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Appendix B.12

LTE Band 25



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1. Effective (Isotropic) Radiated Power Output Data

1.1.1 Test Result

Table with 9 columns: Band, Bandwidth, Modulation, Channel, RB Configuration, Result(dBm), EIRP(dBm), Limit(dBm), Verdict. It contains 28 rows of test data for various bands and configurations, all showing 'PASS' results.



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Table with 9 columns: Band, Frequency, Modulation, ID, Value 1, Value 2, Value 3, Value 4, Result. Contains 30 rows of test data.



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Table with 9 columns: Band, Frequency, Modulation, Power, RB, SNR, C/N, BER, and Result. It contains 30 rows of test data, all showing 'PASS' results.



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Table with 9 columns: Band, Frequency, Modulation, Power, Bandwidth, Power Spectral Density, Interference, Spurious, and Result. Contains 30 rows of test data.



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Table with 9 columns: Band, Frequency, Modulation, Channel, Bandwidth, SNR, BER, Pass/Fail, and Result. It lists 30 test configurations for Band25, 10MHz, QPSK and 16QAM/64QAM modulations, all resulting in PASS.



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Table with 9 columns: Band, Frequency, Modulation, Power, Bandwidth, SNR, BER, Error Rate, and Result. It contains 30 rows of test data for various Band25 configurations.



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Table with 9 columns: Band, Frequency, Modulation, Channel, Modulation Code, SNR, C/N, BER, and Result. It lists 30 test results for Band25 across various frequencies (15MHz, 20MHz) and modulation schemes (64QAM, QPSK, 16QAM).



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Table with 9 columns: Band, Frequency, Modulation, Power, Bandwidth, SNR, BER, Error Rate, and Result. It contains 20 rows of test data, all showing 'PASS' results.



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2. Frequency Stability

2.1 B25_1.4MHz

2.1.1 Test Result

| Band: 25 / Bandwidth: 1.4MHz | | | | | | | | | | |
|------------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|---------|---------|------|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict | |
| | | Size | Offset | | | | Result | Limit | | |
| QPSK | 1850.7 | 6 | 0 | 20 | 3.5 | 0.923 | 0.0005 | / | Pass | |
| | | | | | 3.87 | 4.693 | 0.0025 | / | Pass | |
| | | | | | 4.45 | 2.527 | 0.0014 | / | Pass | |
| | | | | -30 | 3.87 | 2.169 | 0.0012 | / | Pass | |
| | | | | | -20 | 3.87 | 2.932 | 0.0016 | / | Pass |
| | | | | | | -10 | 3.87 | 1.923 | 0.0010 | / |
| | | | | 0 | 3.87 | 0.326 | 0.0002 | / | Pass | |
| | | | | 10 | 3.87 | -0.894 | -0.0005 | / | Pass | |
| | | | | 30 | 3.87 | -0.999 | -0.0005 | / | Pass | |
| | | | | 40 | 3.87 | 1.768 | 0.0010 | / | Pass | |
| | 50 | 3.87 | 2.015 | 0.0011 | / | Pass | | | | |
| | 1882.5 | 6 | 0 | 20 | 3.5 | 0.421 | 0.0002 | / | Pass | |
| | | | | | 3.87 | -0.788 | -0.0004 | / | Pass | |
| | | | | | 4.45 | 2.978 | 0.0016 | / | Pass | |
| | | | | -30 | 3.87 | 2.474 | 0.0013 | / | Pass | |
| | | | | | -20 | 3.87 | 5.347 | 0.0028 | / | Pass |
| | | | | | | -10 | 3.87 | 4.040 | 0.0021 | / |
| | | | | 0 | 3.87 | 3.998 | 0.0021 | / | Pass | |
| | | | | 10 | 3.87 | 5.735 | 0.0030 | / | Pass | |
| | | | | 30 | 3.87 | 4.558 | 0.0024 | / | Pass | |
| | | | | 40 | 3.87 | 0.893 | 0.0005 | / | Pass | |
| | 50 | 3.87 | -1.733 | -0.0009 | / | Pass | | | | |
| | 1914.3 | 6 | 0 | 20 | 3.5 | -5.095 | -0.0027 | / | Pass | |
| | | | | | 3.87 | -12.482 | -0.0065 | / | Pass | |
| | | | | | 4.45 | 2.471 | 0.0013 | / | Pass | |
| | | | | -30 | 3.87 | 3.331 | 0.0017 | / | Pass | |
| | | | | | -20 | 3.87 | -1.858 | -0.0010 | / | Pass |
| | | | | | | -10 | 3.87 | -3.296 | -0.0017 | / |
| | | | | 0 | 3.87 | -6.302 | -0.0033 | / | Pass | |
| | | | | 10 | 3.87 | -1.816 | -0.0009 | / | Pass | |
| 30 | | | | 3.87 | 0.685 | 0.0004 | / | Pass | | |
| 40 | | | | 3.87 | 0.379 | 0.0002 | / | Pass | | |
| 50 | 3.87 | 0.834 | 0.0004 | / | Pass | | | | | |
| 16QAM | 1850.7 | 6 | 0 | 20 | 3.5 | 1.581 | 0.0009 | / | Pass | |
| | | | | | 3.87 | 0.334 | 0.0002 | / | Pass | |
| | | | | | 4.45 | 0.352 | 0.0002 | / | Pass | |
| | | | | -30 | 3.87 | 4.080 | 0.0022 | / | Pass | |
| | | | | | -20 | 3.87 | 3.638 | 0.0020 | / | Pass |
| -10 | 3.87 | 2.221 | 0.0012 | / | Pass | | | | | |



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Table with 10 columns: Item, Unit, Method, Location, Value 1, Value 2, Value 3, Value 4, Value 5, Result. Rows include 1882.5, 1914.3, 1850.7, and 1882.5 with various test values and 'Pass' results.



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| | | | | | | | | | |
|----|--------|--------|---------|-----|------|--------|---------|---|------|
| | 1914.3 | 6 | 0 | 20 | 3.5 | -2.307 | -0.0012 | / | Pass |
| | | | | | 3.87 | -0.891 | -0.0005 | / | Pass |
| | | | | | 4.45 | -5.814 | -0.0030 | / | Pass |
| | | | | -30 | 3.87 | -2.411 | -0.0013 | / | Pass |
| | | | | -20 | 3.87 | -0.049 | 0.0000 | / | Pass |
| | | | | -10 | 3.87 | 0.648 | 0.0003 | / | Pass |
| | | | | 0 | 3.87 | -0.828 | -0.0004 | / | Pass |
| | | | | 10 | 3.87 | -0.274 | -0.0001 | / | Pass |
| | | | | 30 | 3.87 | -0.075 | 0.0000 | / | Pass |
| | | | | 40 | 3.87 | 1.488 | 0.0008 | / | Pass |
| 50 | 3.87 | -5.443 | -0.0028 | / | Pass | | | | |



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2.2 B25_3MHz

2.2.1 Test Result

| Band: 25 / Bandwidth: 3MHz | | | | | | | | | |
|----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|-------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 1851.5 | 15 | 0 | 20 | 3.5 | 7.588 | 0.0041 | / | Pass |
| | | | | | 3.87 | 4.803 | 0.0026 | / | Pass |
| | | | | | 4.45 | 10.399 | 0.0056 | / | Pass |
| | | | | -30 | 3.87 | 8.670 | 0.0047 | / | Pass |
| | | | | -20 | 3.87 | 5.106 | 0.0028 | / | Pass |
| | | | | -10 | 3.87 | 6.477 | 0.0035 | / | Pass |
| | | | | 0 | 3.87 | 5.102 | 0.0028 | / | Pass |
| | | | | 10 | 3.87 | 8.880 | 0.0048 | / | Pass |
| | | | | 30 | 3.87 | 8.065 | 0.0044 | / | Pass |
| | 40 | 3.87 | 8.761 | 0.0047 | / | Pass | | | |
| | 50 | 3.87 | 1.330 | 0.0007 | / | Pass | | | |
| | 1882.5 | 15 | 0 | 20 | 3.5 | -2.485 | -0.0013 | / | Pass |
| | | | | | 3.87 | -0.761 | -0.0004 | / | Pass |
| | | | | | 4.45 | -1.188 | -0.0006 | / | Pass |
| | | | | -30 | 3.87 | 0.620 | 0.0003 | / | Pass |
| | | | | -20 | 3.87 | -0.721 | -0.0004 | / | Pass |
| | | | | -10 | 3.87 | 1.164 | 0.0006 | / | Pass |
| | | | | 0 | 3.87 | 0.813 | 0.0004 | / | Pass |
| | | | | 10 | 3.87 | -4.091 | -0.0022 | / | Pass |
| | | | | 30 | 3.87 | -0.914 | -0.0005 | / | Pass |
| | 40 | 3.87 | -1.242 | -0.0007 | / | Pass | | | |
| | 50 | 3.87 | -2.624 | -0.0014 | / | Pass | | | |
| | 1913.5 | 15 | 0 | 20 | 3.5 | -6.091 | -0.0032 | / | Pass |
| | | | | | 3.87 | -3.801 | -0.0020 | / | Pass |
| | | | | | 4.45 | -2.457 | -0.0013 | / | Pass |
| | | | | -30 | 3.87 | -0.234 | -0.0001 | / | Pass |
| | | | | -20 | 3.87 | -1.149 | -0.0006 | / | Pass |
| -10 | | | | 3.87 | -1.223 | -0.0006 | / | Pass | |
| 0 | | | | 3.87 | -6.233 | -0.0033 | / | Pass | |
| 10 | | | | 3.87 | -1.476 | -0.0008 | / | Pass | |
| 30 | | | | 3.87 | -8.593 | -0.0045 | / | Pass | |
| 40 | 3.87 | 4.535 | 0.0024 | / | Pass | | | | |
| 50 | 3.87 | 4.614 | 0.0024 | / | Pass | | | | |
| 16QAM | 1851.5 | 15 | 0 | 20 | 3.5 | 2.803 | 0.0015 | / | Pass |
| | | | | | 3.87 | 8.649 | 0.0047 | / | Pass |
| | | | | | 4.45 | 2.530 | 0.0014 | / | Pass |
| | | | | -30 | 3.87 | 4.213 | 0.0023 | / | Pass |
| | | | | -20 | 3.87 | 6.962 | 0.0038 | / | Pass |
| | | | | -10 | 3.87 | 5.016 | 0.0027 | / | Pass |
| | | | | 0 | 3.87 | 8.628 | 0.0047 | / | Pass |
| 10 | 3.87 | 6.496 | 0.0035 | / | Pass | | | | |



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| | | | | | | | | | | |
|--------|--------|--------|---------|--------|--------|---------|---------|---------|------|--------|
| | | | | 30 | 3.87 | 8.757 | 0.0047 | / | Pass | |
| | | | | 40 | 3.87 | 9.826 | 0.0053 | / | Pass | |
| | | | | 50 | 3.87 | -10.493 | -0.0057 | / | Pass | |
| 1882.5 | 15 | 0 | | 20 | 3.5 | 1.264 | 0.0007 | / | Pass | |
| | | | | | 3.87 | 0.964 | 0.0005 | / | Pass | |
| | | | | | 4.45 | -0.593 | -0.0003 | / | Pass | |
| | | | | -30 | 3.87 | -5.441 | -0.0029 | / | Pass | |
| | | | | -20 | 3.87 | 1.844 | 0.0010 | / | Pass | |
| | | | | -10 | 3.87 | 0.292 | 0.0002 | / | Pass | |
| | | | | 0 | 3.87 | -2.028 | -0.0011 | / | Pass | |
| | | | | 10 | 3.87 | -2.375 | -0.0013 | / | Pass | |
| | | | | 30 | 3.87 | -3.609 | -0.0019 | / | Pass | |
| | | | | 40 | 3.87 | -2.191 | -0.0012 | / | Pass | |
| | | | | 50 | 3.87 | -3.653 | -0.0019 | / | Pass | |
| | | | | 1913.5 | 15 | 0 | | 20 | 3.5 | 1.924 |
| 3.87 | 5.702 | 0.0030 | / | | | | | | Pass | |
| 4.45 | 10.358 | 0.0054 | / | | | | | | Pass | |
| -30 | 3.87 | 3.637 | 0.0019 | | | | | / | Pass | |
| -20 | 3.87 | 3.272 | 0.0017 | | | | | / | Pass | |
| -10 | 3.87 | -2.266 | -0.0012 | | | | | / | Pass | |
| 0 | 3.87 | 0.315 | 0.0002 | | | | | / | Pass | |
| 10 | 3.87 | -2.765 | -0.0014 | | | | | / | Pass | |
| 30 | 3.87 | 0.521 | 0.0003 | | | | | / | Pass | |
| 40 | 3.87 | 2.379 | 0.0012 | | | | | / | Pass | |
| 50 | 3.87 | 1.123 | 0.0006 | | | | | / | Pass | |
| 64QAM | 1851.5 | 15 | 0 | | | | | 20 | 3.5 | 14.675 |
| | | | | 3.87 | 8.344 | 0.0045 | / | | Pass | |
| | | | | 4.45 | 12.644 | 0.0068 | / | | Pass | |
| | | | | -30 | 3.87 | 4.579 | 0.0025 | / | Pass | |
| | | | | -20 | 3.87 | 4.944 | 0.0027 | / | Pass | |
| | | | | -10 | 3.87 | 3.585 | 0.0019 | / | Pass | |
| | | | | 0 | 3.87 | 4.509 | 0.0024 | / | Pass | |
| | | | | 10 | 3.87 | 6.026 | 0.0033 | / | Pass | |
| | | | | 30 | 3.87 | 3.428 | 0.0019 | / | Pass | |
| | | | | 40 | 3.87 | -0.520 | -0.0003 | / | Pass | |
| | | | | 50 | 3.87 | 2.458 | 0.0013 | / | Pass | |
| | | | | 1882.5 | 15 | 0 | | 20 | 3.5 | -1.470 |
| | 3.87 | -2.023 | -0.0011 | | | | | | / | Pass |
| | 4.45 | 0.469 | 0.0002 | | | | | | / | Pass |
| | -30 | 3.87 | -3.150 | | | | | -0.0017 | / | Pass |
| | -20 | 3.87 | -1.725 | | | | | -0.0009 | / | Pass |
| | -10 | 3.87 | 4.731 | | | | | 0.0025 | / | Pass |
| | 0 | 3.87 | -5.101 | | | | | -0.0027 | / | Pass |
| | 10 | 3.87 | -2.432 | | | | | -0.0013 | / | Pass |
| | 30 | 3.87 | -0.059 | | | | | 0.0000 | / | Pass |
| | 40 | 3.87 | 1.911 | | | | | 0.0010 | / | Pass |
| | 50 | 3.87 | -2.216 | | | | | -0.0012 | / | Pass |
| | 1913.5 | 15 | 0 | | | | | 20 | 3.5 | -1.135 |
| | | | | 3.87 | -1.773 | -0.0009 | / | | Pass | |



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| | | | | | | | | |
|--|--|--|-----|------|--------|---------|---|------|
| | | | | 4.45 | -1.363 | -0.0007 | / | Pass |
| | | | -30 | 3.87 | -1.357 | -0.0007 | / | Pass |
| | | | -20 | 3.87 | 3.176 | 0.0017 | / | Pass |
| | | | -10 | 3.87 | 0.116 | 0.0001 | / | Pass |
| | | | 0 | 3.87 | -3.157 | -0.0016 | / | Pass |
| | | | 10 | 3.87 | 0.394 | 0.0002 | / | Pass |
| | | | 30 | 3.87 | 4.258 | 0.0022 | / | Pass |
| | | | 40 | 3.87 | -2.248 | -0.0012 | / | Pass |
| | | | 50 | 3.87 | -0.768 | -0.0004 | / | Pass |



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2.3 B25_5MHz

2.3.1 Test Result

| Band: 25 / Bandwidth: 5MHz | | | | | | | | | | |
|----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|---------|---------|------|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict | |
| | | Size | Offset | | | | Result | Limit | | |
| QPSK | 1852.5 | 25 | 0 | 20 | 3.5 | 5.255 | 0.0028 | / | Pass | |
| | | | | | 3.87 | 0.143 | 0.0001 | / | Pass | |
| | | | | | 4.45 | 7.806 | 0.0042 | / | Pass | |
| | | | | -30 | 3.87 | 1.860 | 0.0010 | / | Pass | |
| | | | | | -20 | 3.87 | 0.963 | 0.0005 | / | Pass |
| | | | | | | -10 | 3.87 | -0.460 | -0.0002 | / |
| | | | | 0 | 3.87 | 4.658 | 0.0025 | / | Pass | |
| | | | | 10 | 3.87 | 0.953 | 0.0005 | / | Pass | |
| | | | | 30 | 3.87 | 5.869 | 0.0032 | / | Pass | |
| | | | | 40 | 3.87 | 0.903 | 0.0005 | / | Pass | |
| | 50 | 3.87 | 2.420 | 0.0013 | / | Pass | | | | |
| | 1882.5 | 25 | 0 | 20 | 3.5 | 1.313 | 0.0007 | / | Pass | |
| | | | | | 3.87 | 7.168 | 0.0038 | / | Pass | |
| | | | | | 4.45 | 2.588 | 0.0014 | / | Pass | |
| | | | | -30 | 3.87 | 4.134 | 0.0022 | / | Pass | |
| | | | | | -20 | 3.87 | 0.315 | 0.0002 | / | Pass |
| | | | | | | -10 | 3.87 | 4.404 | 0.0023 | / |
| | | | | 0 | 3.87 | 5.312 | 0.0028 | / | Pass | |
| | | | | 10 | 3.87 | 4.362 | 0.0023 | / | Pass | |
| | | | | 30 | 3.87 | 2.813 | 0.0015 | / | Pass | |
| | | | | 40 | 3.87 | 4.374 | 0.0023 | / | Pass | |
| | 50 | 3.87 | 4.227 | 0.0022 | / | Pass | | | | |
| | 1912.5 | 25 | 0 | 20 | 3.5 | -2.170 | -0.0011 | / | Pass | |
| | | | | | 3.87 | 1.088 | 0.0006 | / | Pass | |
| | | | | | 4.45 | 1.525 | 0.0008 | / | Pass | |
| | | | | -30 | 3.87 | 1.102 | 0.0006 | / | Pass | |
| | | | | | -20 | 3.87 | -3.264 | -0.0017 | / | Pass |
| | | | | | | -10 | 3.87 | -2.167 | -0.0011 | / |
| | | | | 0 | 3.87 | -3.024 | -0.0016 | / | Pass | |
| | | | | 10 | 3.87 | 6.647 | 0.0035 | / | Pass | |
| 30 | | | | 3.87 | -0.094 | 0.0000 | / | Pass | | |
| 40 | | | | 3.87 | 1.529 | 0.0008 | / | Pass | | |
| 50 | 3.87 | 4.311 | 0.0023 | / | Pass | | | | | |
| 16QAM | 1852.5 | 25 | 0 | 20 | 3.5 | 6.670 | 0.0036 | / | Pass | |
| | | | | | 3.87 | 4.198 | 0.0023 | / | Pass | |
| | | | | | 4.45 | -1.046 | -0.0006 | / | Pass | |
| | | | | -30 | 3.87 | 3.806 | 0.0021 | / | Pass | |
| | | | | | -20 | 3.87 | 3.221 | 0.0017 | / | Pass |
| | | | | | | -10 | 3.87 | 4.567 | 0.0025 | / |
| | | | | 0 | 3.87 | -2.115 | -0.0011 | / | Pass | |
| | | | | 10 | 3.87 | 6.862 | 0.0037 | / | Pass | |



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| | | | | | | | | | | | | | | |
|--------|--------|---------|---|------|--------|--------|--------|---------|--------|--------|---------|---------|------|------|
| | | | | 30 | 3.87 | 1.421 | 0.0008 | / | Pass | | | | | |
| | | | | 40 | 3.87 | 3.896 | 0.0021 | / | Pass | | | | | |
| | | | | 50 | 3.87 | 5.799 | 0.0031 | / | Pass | | | | | |
| 1882.5 | 25 | 0 | | 20 | 3.5 | 4.162 | 0.0022 | / | Pass | | | | | |
| | | | | | 3.87 | 4.171 | 0.0022 | / | Pass | | | | | |
| | | | | | 4.45 | -0.033 | 0.0000 | / | Pass | | | | | |
| | | | | | | | | -30 | 3.87 | 4.638 | 0.0025 | / | Pass | |
| | | | | | | | | | -20 | 3.87 | 0.673 | 0.0004 | / | Pass |
| | | | | | | | | | -10 | 3.87 | 3.297 | 0.0018 | / | Pass |
| | | | | | | | | 0 | 0 | 3.87 | 1.776 | 0.0009 | / | Pass |
| | | | | | | | | | 10 | 3.87 | 0.595 | 0.0003 | / | Pass |
| | | | | | | | | | 30 | 3.87 | 5.098 | 0.0027 | / | Pass |
| | | | | | | | | | 40 | 3.87 | 5.626 | 0.0030 | / | Pass |
| | | | | | | | | | 50 | 3.87 | 4.088 | 0.0022 | / | Pass |
| | | | | | | | | | 1912.5 | 25 | 0 | | 20 | 3.5 |
| 3.87 | 2.583 | 0.0014 | / | | | | | | | | | | | Pass |
| 4.45 | 4.862 | 0.0025 | / | | | | | | | | | | | Pass |
| | | | | -30 | 3.87 | 3.428 | 0.0018 | / | | | | | Pass | |
| | | | | | -20 | 3.87 | 8.818 | 0.0046 | | | | | / | Pass |
| | | | | | -10 | 3.87 | 7.186 | 0.0038 | | | | | / | Pass |
| | | | | 0 | 0 | 3.87 | 1.769 | 0.0009 | | | | | / | Pass |
| | | | | | 10 | 3.87 | 2.444 | 0.0013 | | | | | / | Pass |
| | | | | | 30 | 3.87 | 2.145 | 0.0011 | | | | | / | Pass |
| | | | | | 40 | 3.87 | 3.705 | 0.0019 | | | | | / | Pass |
| | | | | | 50 | 3.87 | -0.213 | -0.0001 | / | Pass | | | | |
| | | | | | 64QAM | 25 | 0 | | 20 | 3.5 | 4.188 | 0.0023 | / | Pass |
| | | | | | | | | | | 3.87 | 3.814 | 0.0021 | / | Pass |
| 4.45 | -0.476 | -0.0003 | / | Pass | | | | | | | | | | |
| | | | | -30 | | | | | 3.87 | -3.380 | -0.0018 | / | Pass | |
| | | | | | | | | | -20 | 3.87 | 5.974 | 0.0032 | / | Pass |
| | | | | | | | | | -10 | 3.87 | 3.121 | 0.0017 | / | Pass |
| | | | | 0 | | | | | 0 | 3.87 | -7.916 | -0.0043 | / | Pass |
| | | | | | | | | | 10 | 3.87 | 11.613 | 0.0063 | / | Pass |
| | | | | | | | | | 30 | 3.87 | 2.950 | 0.0016 | / | Pass |
| | | | | | | | | | 40 | 3.87 | 5.678 | 0.0031 | / | Pass |
| | | | | | | | | | 50 | 3.87 | 2.570 | 0.0014 | / | Pass |
| | | | | | | | | | 1882.5 | 25 | 0 | | 20 | 3.5 |
| | | | | | 3.87 | 6.788 | 0.0036 | / | | | | | | Pass |
| | | | | | 4.45 | 2.225 | 0.0012 | / | | | | | | Pass |
| | | | | -30 | 3.87 | 3.310 | 0.0018 | / | | | | | Pass | |
| | | | | | -20 | 3.87 | 5.890 | 0.0031 | | | | | / | Pass |
| | | | | | -10 | 3.87 | 1.757 | 0.0009 | | | | | / | Pass |
| | | | | 0 | 0 | 3.87 | 7.753 | 0.0041 | | | | | / | Pass |
| | | | | | 10 | 3.87 | 1.193 | 0.0006 | | | | | / | Pass |
| | | | | | 30 | 3.87 | 6.247 | 0.0033 | | | | | / | Pass |
| | | | | | 40 | 3.87 | 6.620 | 0.0035 | | | | | / | Pass |
| | | | | | 50 | 3.87 | -0.872 | -0.0005 | / | Pass | | | | |
| | | | | | 1912.5 | 25 | 0 | | 20 | 3.5 | 3.834 | 0.0020 | / | Pass |
| | | | | | | | | | | 3.87 | 3.167 | 0.0017 | / | Pass |



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| | | | | | | | | |
|--|--|--|--|------|-------|--------|---------|------|
| | | | | 4.45 | 2.328 | 0.0012 | / | Pass |
| | | | | -30 | 3.87 | 3.576 | 0.0019 | Pass |
| | | | | -20 | 3.87 | 1.430 | 0.0007 | Pass |
| | | | | -10 | 3.87 | 2.783 | 0.0015 | Pass |
| | | | | 0 | 3.87 | 3.545 | 0.0019 | Pass |
| | | | | 10 | 3.87 | 1.695 | 0.0009 | Pass |
| | | | | 30 | 3.87 | -0.780 | -0.0004 | Pass |
| | | | | 40 | 3.87 | 4.134 | 0.0022 | Pass |
| | | | | 50 | 3.87 | -1.318 | -0.0007 | Pass |



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2.4 B25_10MHz

2.4.1 Test Result

| Band: 25 / Bandwidth: 10MHz | | | | | | | | | | |
|-----------------------------|-----------------|---------------|--------|------------|---------------|------------------|-----------------------|---------|---------|------|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict | |
| | | Size | Offset | | | | Result | Limit | | |
| QPSK | 1855 | 50 | 0 | 20 | 3.5 | -0.015 | 0.0000 | / | Pass | |
| | | | | | 3.87 | -1.228 | -0.0007 | / | Pass | |
| | | | | | 4.45 | 0.262 | 0.0001 | / | Pass | |
| | | | | -30 | 3.87 | 0.546 | 0.0003 | / | Pass | |
| | | | | | -20 | 3.87 | 3.623 | 0.0020 | / | Pass |
| | | | | | | 3.87 | 5.467 | 0.0029 | / | Pass |
| | | | | 0 | 3.87 | 2.055 | 0.0011 | / | Pass | |
| | | | | 10 | 3.87 | -0.408 | -0.0002 | / | Pass | |
| | | | | 30 | 3.87 | -3.358 | -0.0018 | / | Pass | |
| | | | | 40 | 3.87 | -2.605 | -0.0014 | / | Pass | |
| | 50 | 3.87 | 0.470 | 0.0003 | / | Pass | | | | |
| | 1882.5 | 50 | 0 | 20 | 3.5 | -3.785 | -0.0020 | / | Pass | |
| | | | | | 3.87 | -1.947 | -0.0010 | / | Pass | |
| | | | | | 4.45 | -2.881 | -0.0015 | / | Pass | |
| | | | | -30 | 3.87 | 1.637 | 0.0009 | / | Pass | |
| | | | | | -20 | 3.87 | -3.947 | -0.0021 | / | Pass |
| | | | | | | 3.87 | -2.651 | -0.0014 | / | Pass |
| | | | | 0 | 3.87 | -0.261 | -0.0001 | / | Pass | |
| | | | | 10 | 3.87 | 1.328 | 0.0007 | / | Pass | |
| | | | | 30 | 3.87 | -2.922 | -0.0016 | / | Pass | |
| | | | | 40 | 3.87 | -4.268 | -0.0023 | / | Pass | |
| | 50 | 3.87 | -4.207 | -0.0022 | / | Pass | | | | |
| | 1910 | 50 | 0 | 20 | 3.5 | 3.334 | 0.0017 | / | Pass | |
| | | | | | 3.87 | 4.281 | 0.0022 | / | Pass | |
| | | | | | 4.45 | 4.615 | 0.0024 | / | Pass | |
| | | | | -30 | 3.87 | 7.031 | 0.0037 | / | Pass | |
| | | | | | -20 | 3.87 | 4.224 | 0.0022 | / | Pass |
| | | | | | | 3.87 | 4.841 | 0.0025 | / | Pass |
| | | | | 0 | 3.87 | 5.163 | 0.0027 | / | Pass | |
| | | | | 10 | 3.87 | 7.461 | 0.0039 | / | Pass | |
| 30 | | | | 3.87 | 2.096 | 0.0011 | / | Pass | | |
| 40 | | | | 3.87 | -1.790 | -0.0009 | / | Pass | | |
| 50 | 3.87 | 1.006 | 0.0005 | / | Pass | | | | | |
| 16QAM | 1855 | 50 | 0 | 20 | 3.5 | 2.930 | 0.0016 | / | Pass | |
| | | | | | 3.87 | -2.832 | -0.0015 | / | Pass | |
| | | | | | 4.45 | 2.093 | 0.0011 | / | Pass | |
| | | | | -30 | 3.87 | 0.708 | 0.0004 | / | Pass | |
| | | | | | -20 | 3.87 | 4.749 | 0.0026 | / | Pass |
| | | | | | | 3.87 | 1.600 | 0.0009 | / | Pass |
| | | | | 0 | 3.87 | 3.647 | 0.0020 | / | Pass | |
| | | | | 10 | 3.87 | -2.396 | -0.0013 | / | Pass | |



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| | | | | | | | | | | | | | | |
|--------|--------|---------|---|------|------|--------|---------|---------|--------|--------|---------|---------|------|--------|
| | | | | 30 | 3.87 | 0.893 | 0.0005 | / | Pass | | | | | |
| | | | | 40 | 3.87 | 5.070 | 0.0027 | / | Pass | | | | | |
| | | | | 50 | 3.87 | -1.286 | -0.0007 | / | Pass | | | | | |
| 1882.5 | 50 | 0 | | 20 | 3.5 | -5.857 | -0.0031 | / | Pass | | | | | |
| | | | | | 3.87 | -1.998 | -0.0011 | / | Pass | | | | | |
| | | | | | 4.45 | -1.472 | -0.0008 | / | Pass | | | | | |
| | | | | | | | | -30 | 3.87 | -0.996 | -0.0005 | / | Pass | |
| | | | | | | | | | -20 | 3.87 | -1.418 | -0.0008 | / | Pass |
| | | | | | | | | | -10 | 3.87 | 0.314 | 0.0002 | / | Pass |
| | | | | | | | | 0 | 3.87 | 0.647 | 0.0003 | / | Pass | |
| | | | | | | | | | 10 | 3.87 | -0.054 | 0.0000 | / | Pass |
| | | | | | | | | | 30 | 3.87 | -5.527 | -0.0029 | / | Pass |
| | | | | | | | | | 40 | 3.87 | -0.735 | -0.0004 | / | Pass |
| | | | | | | | | | 50 | 3.87 | -1.084 | -0.0006 | / | Pass |
| | | | | | | | | | 1910 | 50 | 0 | | 20 | 3.5 |
| 3.87 | 1.646 | 0.0009 | / | Pass | | | | | | | | | | |
| 4.45 | -1.641 | -0.0009 | / | Pass | | | | | | | | | | |
| | | | | -30 | 3.87 | -4.597 | -0.0024 | / | | | | | Pass | |
| | | | | | -20 | 3.87 | 0.334 | 0.0002 | | | | | / | Pass |
| | | | | | -10 | 3.87 | -0.160 | -0.0001 | | | | | / | Pass |
| | | | | 0 | 3.87 | 1.676 | 0.0009 | / | | | | | Pass | |
| | | | | | 10 | 3.87 | 4.251 | 0.0022 | | | | | / | Pass |
| | | | | | 30 | 3.87 | -3.354 | -0.0018 | | | | | / | Pass |
| | | | | | 40 | 3.87 | -2.228 | -0.0012 | | | | | / | Pass |
| | | | | | 50 | 3.87 | -0.757 | -0.0004 | | | | | / | Pass |
| | | | | | 1855 | 50 | 0 | | | | | | 20 | 3.5 |
| 3.87 | -2.557 | -0.0014 | / | Pass | | | | | | | | | | |
| 4.45 | 1.966 | 0.0011 | / | Pass | | | | | | | | | | |
| | | | | -30 | | | | | 3.87 | 3.772 | 0.0020 | / | Pass | |
| | | | | | | | | | -20 | 3.87 | 0.070 | 0.0000 | / | Pass |
| | | | | | | | | | -10 | 3.87 | -3.172 | -0.0017 | / | Pass |
| | | | | 0 | | | | | 3.87 | -4.876 | -0.0026 | / | Pass | |
| | | | | | | | | | 10 | 3.87 | -0.694 | -0.0004 | / | Pass |
| | | | | | | | | | 30 | 3.87 | 0.488 | 0.0003 | / | Pass |
| | | | | | | | | | 40 | 3.87 | -0.786 | -0.0004 | / | Pass |
| | | | | | | | | | 50 | 3.87 | -1.512 | -0.0008 | / | Pass |
| | | | | | | | | | 1882.5 | 50 | 0 | | 20 | 3.5 |
| 3.87 | -3.404 | -0.0018 | / | Pass | | | | | | | | | | |
| 4.45 | -0.862 | -0.0005 | / | Pass | | | | | | | | | | |
| | | | | -30 | 3.87 | -1.694 | -0.0009 | / | | | | | Pass | |
| | | | | | -20 | 3.87 | -3.792 | -0.0020 | | | | | / | Pass |
| | | | | | -10 | 3.87 | -5.063 | -0.0027 | | | | | / | Pass |
| | | | | 0 | 3.87 | 0.239 | 0.0001 | / | | | | | Pass | |
| | | | | | 10 | 3.87 | 1.257 | 0.0007 | | | | | / | Pass |
| | | | | | 30 | 3.87 | -4.457 | -0.0024 | | | | | / | Pass |
| | | | | | 40 | 3.87 | -0.473 | -0.0003 | | | | | / | Pass |
| | | | | | 50 | 3.87 | 0.142 | 0.0001 | | | | | / | Pass |
| | | | | | 1910 | 50 | 0 | 20 | | | | | 3.5 | -2.181 |
| 3.87 | 19.364 | 0.0101 | / | Pass | | | | | | | | | | |



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Rev.: 01

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| | | | | | | | | | |
|--|--|--|--|------|-------|--------|---------|------|------|
| | | | | 4.45 | 7.114 | 0.0037 | / | Pass | |
| | | | | -30 | 3.87 | 0.445 | 0.0002 | / | Pass |
| | | | | -20 | 3.87 | -1.954 | -0.0010 | / | Pass |
| | | | | -10 | 3.87 | 3.708 | 0.0019 | / | Pass |
| | | | | 0 | 3.87 | 1.038 | 0.0005 | / | Pass |
| | | | | 10 | 3.87 | -1.596 | -0.0008 | / | Pass |
| | | | | 30 | 3.87 | -3.573 | -0.0019 | / | Pass |
| | | | | 40 | 3.87 | 2.567 | 0.0013 | / | Pass |
| | | | | 50 | 3.87 | 1.045 | 0.0005 | / | Pass |



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2.5 B25_15MHz

2.5.1 Test Result

| Band: 25 / Bandwidth: 15MHz | | | | | | | | | | |
|-----------------------------|-----------------|---------------|---------|------------|---------------|------------------|-----------------------|---------|---------|------|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict | |
| | | Size | Offset | | | | Result | Limit | | |
| QPSK | 1857.5 | 75 | 0 | 20 | 3.5 | 3.390 | 0.0018 | / | Pass | |
| | | | | | 3.87 | 6.831 | 0.0037 | / | Pass | |
| | | | | | 4.45 | -0.793 | -0.0004 | / | Pass | |
| | | | | -30 | 3.87 | 4.097 | 0.0022 | / | Pass | |
| | | | | | -20 | 3.87 | 3.284 | 0.0018 | / | Pass |
| | | | | | | -10 | 3.87 | 0.809 | 0.0004 | / |
| | | | | 0 | 3.87 | 2.772 | 0.0015 | / | Pass | |
| | | | | 10 | 3.87 | 2.650 | 0.0014 | / | Pass | |
| | | | | 30 | 3.87 | 4.263 | 0.0023 | / | Pass | |
| | 40 | 3.87 | -0.919 | -0.0005 | / | Pass | | | | |
| | 50 | 3.87 | 1.338 | 0.0007 | / | Pass | | | | |
| | 1882.5 | 75 | 0 | 20 | 3.5 | -5.706 | -0.0030 | / | Pass | |
| | | | | | 3.87 | -2.090 | -0.0011 | / | Pass | |
| | | | | | 4.45 | -2.346 | -0.0012 | / | Pass | |
| | | | | -30 | 3.87 | 0.959 | 0.0005 | / | Pass | |
| | | | | | -20 | 3.87 | -2.185 | -0.0012 | / | Pass |
| | | | | | | -10 | 3.87 | 1.517 | 0.0008 | / |
| | | | | 0 | 3.87 | 1.845 | 0.0010 | / | Pass | |
| | | | | 10 | 3.87 | -1.842 | -0.0010 | / | Pass | |
| | | | | 30 | 3.87 | 3.536 | 0.0019 | / | Pass | |
| | 40 | 3.87 | -3.756 | -0.0020 | / | Pass | | | | |
| | 50 | 3.87 | -4.620 | -0.0025 | / | Pass | | | | |
| | 1907.5 | 75 | 0 | 20 | 3.5 | 0.806 | 0.0004 | / | Pass | |
| | | | | | 3.87 | -1.579 | -0.0008 | / | Pass | |
| | | | | | 4.45 | -1.605 | -0.0008 | / | Pass | |
| | | | | -30 | 3.87 | -3.443 | -0.0018 | / | Pass | |
| | | | | | -20 | 3.87 | -2.697 | -0.0014 | / | Pass |
| -10 | | | | | | 3.87 | -0.479 | -0.0003 | / | Pass |
| 0 | | | | 3.87 | 0.203 | 0.0001 | / | Pass | | |
| 10 | | | | 3.87 | -2.678 | -0.0014 | / | Pass | | |
| 30 | | | | 3.87 | -3.357 | -0.0018 | / | Pass | | |
| 40 | 3.87 | -2.426 | -0.0013 | / | Pass | | | | | |
| 50 | 3.87 | 0.614 | 0.0003 | / | Pass | | | | | |
| 16QAM | 1857.5 | 75 | 0 | 20 | 3.5 | -0.722 | -0.0004 | / | Pass | |
| | | | | | 3.87 | 2.590 | 0.0014 | / | Pass | |
| | | | | | 4.45 | 1.412 | 0.0008 | / | Pass | |
| | | | | -30 | 3.87 | 4.394 | 0.0024 | / | Pass | |
| | | | | | -20 | 3.87 | 5.392 | 0.0029 | / | Pass |
| | | | | -10 | 3.87 | 3.752 | 0.0020 | / | Pass | |
| | | | | 0 | 3.87 | 5.732 | 0.0031 | / | Pass | |
| 10 | 3.87 | 4.005 | 0.0022 | / | Pass | | | | | |



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| | | | | | | | | | | | |
|--------|--------|--------|---------|---------|--------|---------|---------|--------|---------|--------|------|
| 64QAM | 1882.5 | 75 | 0 | 30 | 3.87 | 2.307 | 0.0012 | / | Pass | | |
| | | | | 40 | 3.87 | -1.411 | -0.0008 | / | Pass | | |
| | | | | 50 | 3.87 | 0.917 | 0.0005 | / | Pass | | |
| | | | | 20 | 3.5 | -1.079 | -0.0006 | / | Pass | | |
| | | | | | 3.87 | 0.056 | 0.0000 | / | Pass | | |
| | | | | | 4.45 | -2.770 | -0.0015 | / | Pass | | |
| | | | | -30 | 3.87 | -1.250 | -0.0007 | / | Pass | | |
| | | | | -20 | 3.87 | 3.732 | 0.0020 | / | Pass | | |
| | | | | -10 | 3.87 | -3.938 | -0.0021 | / | Pass | | |
| | | | | 0 | 3.87 | -0.912 | -0.0005 | / | Pass | | |
| | | | | 10 | 3.87 | -2.942 | -0.0016 | / | Pass | | |
| | | | | 30 | 3.87 | 0.752 | 0.0004 | / | Pass | | |
| | 40 | 3.87 | -2.320 | -0.0012 | / | Pass | | | | | |
| | 50 | 3.87 | -4.809 | -0.0026 | / | Pass | | | | | |
| | 1907.5 | 75 | 0 | 20 | 3.5 | -3.586 | -0.0019 | / | Pass | | |
| | | | | | 3.87 | 1.191 | 0.0006 | / | Pass | | |
| | | | | | 4.45 | -0.358 | -0.0002 | / | Pass | | |
| | | | | -30 | 3.87 | 3.307 | 0.0017 | / | Pass | | |
| | | | | -20 | 3.87 | -2.648 | -0.0014 | / | Pass | | |
| | | | | -10 | 3.87 | 5.883 | 0.0031 | / | Pass | | |
| | | | | 0 | 3.87 | 1.827 | 0.0010 | / | Pass | | |
| | | | | 10 | 3.87 | 4.092 | 0.0021 | / | Pass | | |
| | | | | 30 | 3.87 | -0.312 | -0.0002 | / | Pass | | |
| | | | | 40 | 3.87 | 1.140 | 0.0006 | / | Pass | | |
| | | | | 50 | 3.87 | 0.923 | 0.0005 | / | Pass | | |
| | | | | 1857.5 | 75 | 0 | 20 | 3.5 | 4.060 | 0.0022 | / |
| | 3.87 | 4.254 | 0.0023 | | | | | / | Pass | | |
| | 4.45 | 3.734 | 0.0020 | | | | | / | Pass | | |
| | -30 | 3.87 | 4.971 | | | | 0.0027 | / | Pass | | |
| | -20 | 3.87 | 0.295 | | | | 0.0002 | / | Pass | | |
| -10 | 3.87 | 0.724 | 0.0004 | | | | / | Pass | | | |
| 0 | 3.87 | 5.697 | 0.0031 | | | | / | Pass | | | |
| 10 | 3.87 | 2.532 | 0.0014 | | | | / | Pass | | | |
| 30 | 3.87 | -0.110 | -0.0001 | | | | / | Pass | | | |
| 40 | 3.87 | 1.898 | 0.0010 | | | | / | Pass | | | |
| 50 | 3.87 | -3.257 | -0.0018 | | | | / | Pass | | | |
| 1882.5 | 75 | 0 | 20 | | | | 3.5 | -1.106 | -0.0006 | / | Pass |
| | | | | | | | 3.87 | -4.802 | -0.0026 | / | Pass |
| | | | | | | | 4.45 | -4.101 | -0.0022 | / | Pass |
| | | | -30 | | | | 3.87 | -0.609 | -0.0003 | / | Pass |
| | | | -20 | | | | 3.87 | -2.028 | -0.0011 | / | Pass |
| | | | -10 | | | | 3.87 | -3.707 | -0.0020 | / | Pass |
| | | | 0 | | | | 3.87 | -0.949 | -0.0005 | / | Pass |
| | | | 10 | 3.87 | -0.632 | -0.0003 | / | Pass | | | |
| | | | 30 | 3.87 | 0.923 | 0.0005 | / | Pass | | | |
| 40 | 3.87 | -2.551 | -0.0014 | / | Pass | | | | | | |
| 50 | 3.87 | 2.035 | 0.0011 | / | Pass | | | | | | |
| 1907.5 | 75 | 0 | 20 | 3.5 | 2.399 | 0.0013 | / | Pass | | | |
| | | | | 3.87 | -0.587 | -0.0003 | / | Pass | | | |



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| | | | | | | | | |
|--|--|--|-----|------|--------|---------|---|------|
| | | | | 4.45 | 0.138 | 0.0001 | / | Pass |
| | | | -30 | 3.87 | 1.825 | 0.0010 | / | Pass |
| | | | -20 | 3.87 | 3.802 | 0.0020 | / | Pass |
| | | | -10 | 3.87 | 4.643 | 0.0024 | / | Pass |
| | | | 0 | 3.87 | 1.325 | 0.0007 | / | Pass |
| | | | 10 | 3.87 | -0.168 | -0.0001 | / | Pass |
| | | | 30 | 3.87 | 1.947 | 0.0010 | / | Pass |
| | | | 40 | 3.87 | -6.636 | -0.0035 | / | Pass |
| | | | 50 | 3.87 | 8.243 | 0.0043 | / | Pass |



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2.6 B25_20MHz

2.6.1 Test Result

| Band: 25 / Bandwidth: 20MHz | | | | | | | | | | |
|-----------------------------|-----------------|---------------|---------|------------|---------------|------------------|-----------------------|---------|---------|------|
| Modulation | Frequency (MHz) | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | Verdict | |
| | | Size | Offset | | | | Result | Limit | | |
| QPSK | 1860 | 100 | 0 | 20 | 3.5 | -4.680 | -0.0025 | / | Pass | |
| | | | | | 3.87 | 0.649 | 0.0003 | / | Pass | |
| | | | | | 4.45 | -1.993 | -0.0011 | / | Pass | |
| | | | | -30 | 3.87 | -3.537 | -0.0019 | / | Pass | |
| | | | | | -20 | 3.87 | 4.902 | 0.0026 | / | Pass |
| | | | | | | 3.87 | -0.053 | 0.0000 | / | Pass |
| | | | | 0 | 3.87 | -3.146 | -0.0017 | / | Pass | |
| | | | | | 3.87 | -4.733 | -0.0025 | / | Pass | |
| | | | | 3.87 | 3.478 | 0.0019 | / | Pass | | |
| | | | | 3.87 | 2.320 | 0.0012 | / | Pass | | |
| | 3.87 | -4.835 | -0.0026 | / | Pass | | | | | |
| | 1882.5 | 100 | 0 | 20 | 3.5 | -1.393 | -0.0007 | / | Pass | |
| | | | | | 3.87 | 2.564 | 0.0014 | / | Pass | |
| | | | | | 4.45 | 0.108 | 0.0001 | / | Pass | |
| | | | | -30 | 3.87 | 1.847 | 0.0010 | / | Pass | |
| | | | | | -20 | 3.87 | -3.111 | -0.0017 | / | Pass |
| | | | | | | 3.87 | -2.037 | -0.0011 | / | Pass |
| | | | | 0 | 3.87 | -4.434 | -0.0024 | / | Pass | |
| | | | | | 3.87 | -0.213 | -0.0001 | / | Pass | |
| | | | | 3.87 | -0.935 | -0.0005 | / | Pass | | |
| | | | | 3.87 | -2.305 | -0.0012 | / | Pass | | |
| | 3.87 | -2.516 | -0.0013 | / | Pass | | | | | |
| | 1905 | 100 | 0 | 20 | 3.5 | 1.268 | 0.0007 | / | Pass | |
| | | | | | 3.87 | -0.867 | -0.0005 | / | Pass | |
| | | | | | 4.45 | 4.778 | 0.0025 | / | Pass | |
| | | | | -30 | 3.87 | 3.090 | 0.0016 | / | Pass | |
| | | | | | -20 | 3.87 | 1.307 | 0.0007 | / | Pass |
| | | | | | | 3.87 | 2.873 | 0.0015 | / | Pass |
| | | | | 0 | 3.87 | 5.561 | 0.0029 | / | Pass | |
| | | | | | 3.87 | 0.329 | 0.0002 | / | Pass | |
| 3.87 | | | | 5.219 | 0.0027 | / | Pass | | | |
| 3.87 | | | | 3.814 | 0.0020 | / | Pass | | | |
| 3.87 | 1.674 | 0.0009 | / | Pass | | | | | | |
| 16QAM | 1860 | 100 | 0 | 20 | 3.5 | 0.813 | 0.0004 | / | Pass | |
| | | | | | 3.87 | -2.553 | -0.0014 | / | Pass | |
| | | | | | 4.45 | -1.685 | -0.0009 | / | Pass | |
| | | | | -30 | 3.87 | -2.362 | -0.0013 | / | Pass | |
| | | | | | -20 | 3.87 | -2.095 | -0.0011 | / | Pass |
| | | | | | | 3.87 | 2.952 | 0.0016 | / | Pass |
| | | | | 0 | 3.87 | -4.336 | -0.0023 | / | Pass | |
| | | | | | 3.87 | -0.032 | 0.0000 | / | Pass | |



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| | | | | | | | | | |
|--------|--------|--------|---------|---------|------|--------|---------|--------|---------|
| 64QAM | 1882.5 | 100 | 0 | 30 | 3.87 | -3.216 | -0.0017 | / | Pass |
| | | | | 40 | 3.87 | 3.788 | 0.0020 | / | Pass |
| | | | | 50 | 3.87 | -1.280 | -0.0007 | / | Pass |
| | | | | 20 | 3.5 | -3.663 | -0.0019 | / | Pass |
| | | | | | 3.87 | -3.922 | -0.0021 | / | Pass |
| | | | | | 4.45 | -3.353 | -0.0018 | / | Pass |
| | | | | -30 | 3.87 | 0.333 | 0.0002 | / | Pass |
| | | | | -20 | 3.87 | -3.479 | -0.0018 | / | Pass |
| | | | | -10 | 3.87 | -4.351 | -0.0023 | / | Pass |
| | | | | 0 | 3.87 | -2.023 | -0.0011 | / | Pass |
| | | | | 10 | 3.87 | 2.220 | 0.0012 | / | Pass |
| | | | | 30 | 3.87 | -4.208 | -0.0022 | / | Pass |
| | 40 | 3.87 | -3.459 | -0.0018 | / | Pass | | | |
| | 50 | 3.87 | 1.896 | 0.0010 | / | Pass | | | |
| | 1905 | 100 | 0 | 20 | 3.5 | 4.435 | 0.0023 | / | Pass |
| | | | | | 3.87 | 4.610 | 0.0024 | / | Pass |
| | | | | | 4.45 | 6.595 | 0.0035 | / | Pass |
| | | | | -30 | 3.87 | 3.395 | 0.0018 | / | Pass |
| | | | | -20 | 3.87 | 5.158 | 0.0027 | / | Pass |
| | | | | -10 | 3.87 | 6.471 | 0.0034 | / | Pass |
| | | | | 0 | 3.87 | 4.020 | 0.0021 | / | Pass |
| | | | | 10 | 3.87 | 8.035 | 0.0042 | / | Pass |
| | | | | 30 | 3.87 | 6.580 | 0.0035 | / | Pass |
| | | | | 40 | 3.87 | 4.520 | 0.0024 | / | Pass |
| | | | | 50 | 3.87 | 8.127 | 0.0043 | / | Pass |
| | | | | 1860 | 100 | 0 | 20 | 3.5 | -2.587 |
| | 3.87 | -1.050 | -0.0006 | | | | | / | Pass |
| | 4.45 | -0.474 | -0.0003 | | | | | / | Pass |
| | -30 | 3.87 | 0.669 | | | | 0.0004 | / | Pass |
| | -20 | 3.87 | 2.843 | | | | 0.0015 | / | Pass |
| -10 | 3.87 | 0.189 | 0.0001 | | | | / | Pass | |
| 0 | 3.87 | 0.736 | 0.0004 | | | | / | Pass | |
| 10 | 3.87 | 2.288 | 0.0012 | | | | / | Pass | |
| 30 | 3.87 | -1.840 | -0.0010 | | | | / | Pass | |
| 40 | 3.87 | -1.472 | -0.0008 | | | | / | Pass | |
| 50 | 3.87 | 1.416 | 0.0008 | | | | / | Pass | |
| 1882.5 | 100 | 0 | 20 | | | | 3.5 | -0.891 | -0.0005 |
| | | | | | 3.87 | 2.655 | 0.0014 | / | Pass |
| | | | | | 4.45 | 0.461 | 0.0002 | / | Pass |
| | | | -30 | | 3.87 | 0.453 | 0.0002 | / | Pass |
| | | | -20 | | 3.87 | -4.932 | -0.0026 | / | Pass |
| | | | -10 | | 3.87 | -2.432 | -0.0013 | / | Pass |
| | | | 0 | | 3.87 | 2.043 | 0.0011 | / | Pass |
| | | | 10 | | 3.87 | -4.307 | -0.0023 | / | Pass |
| | | | 30 | | 3.87 | -1.095 | -0.0006 | / | Pass |
| | | | 40 | | 3.87 | 1.865 | 0.0010 | / | Pass |
| | | | 50 | | 3.87 | -6.262 | -0.0033 | / | Pass |
| | | | 1905 | | 100 | 0 | 20 | 3.5 | 4.575 |
| 3.87 | 6.968 | 0.0037 | | | | | | / | Pass |



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| | | | | | | | | |
|--|--|--|-----|------|-------|--------|---|------|
| | | | | 4.45 | 2.377 | 0.0012 | / | Pass |
| | | | -30 | 3.87 | 7.010 | 0.0037 | / | Pass |
| | | | -20 | 3.87 | 2.286 | 0.0012 | / | Pass |
| | | | -10 | 3.87 | 3.531 | 0.0019 | / | Pass |
| | | | 0 | 3.87 | 2.810 | 0.0015 | / | Pass |
| | | | 10 | 3.87 | 4.145 | 0.0022 | / | Pass |
| | | | 30 | 3.87 | 2.303 | 0.0012 | / | Pass |
| | | | 40 | 3.87 | 6.589 | 0.0035 | / | Pass |
| | | | 50 | 3.87 | 7.960 | 0.0042 | / | Pass |



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3. 99% & 26dB Bandwidth

3.1 Band25_OBW

3.1.1 Test Result

| Band: 25 / NTNV | | | | | | | |
|-----------------|------------|-----------------|---------------|--------|------------------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation | | 99% Occupied Bandwidth (MHz) | | Verdict |
| | | | Size | Offset | Result | Limit | |
| 1.4 | QPSK | 1850.7 | 6 | 0 | 1.109 | / | Pass |
| | | 1882.5 | 6 | 0 | 1.109 | / | Pass |
| | | 1914.3 | 6 | 0 | 1.117 | / | Pass |
| | 16QAM | 1850.7 | 6 | 0 | 1.118 | / | Pass |
| | | 1882.5 | 6 | 0 | 1.106 | / | Pass |
| | | 1914.3 | 6 | 0 | 1.113 | / | Pass |
| | 64QAM | 1850.7 | 6 | 0 | 1.111 | / | Pass |
| | | 1882.5 | 6 | 0 | 1.118 | / | Pass |
| | | 1914.3 | 6 | 0 | 1.109 | / | Pass |
| 3 | QPSK | 1851.5 | 15 | 0 | 2.737 | / | Pass |
| | | 1882.5 | 15 | 0 | 2.745 | / | Pass |
| | | 1913.5 | 15 | 0 | 2.743 | / | Pass |
| | 16QAM | 1851.5 | 15 | 0 | 2.753 | / | Pass |
| | | 1882.5 | 15 | 0 | 2.733 | / | Pass |
| | | 1913.5 | 15 | 0 | 2.742 | / | Pass |
| | 64QAM | 1851.5 | 15 | 0 | 2.753 | / | Pass |
| | | 1882.5 | 15 | 0 | 2.729 | / | Pass |
| | | 1913.5 | 15 | 0 | 2.741 | / | Pass |
| 5 | QPSK | 1852.5 | 25 | 0 | 4.553 | / | Pass |
| | | 1882.5 | 25 | 0 | 4.555 | / | Pass |
| | | 1912.5 | 25 | 0 | 4.557 | / | Pass |
| | 16QAM | 1852.5 | 25 | 0 | 4.543 | / | Pass |
| | | 1882.5 | 25 | 0 | 4.580 | / | Pass |
| | | 1912.5 | 25 | 0 | 4.582 | / | Pass |
| | 64QAM | 1852.5 | 25 | 0 | 4.545 | / | Pass |
| | | 1882.5 | 25 | 0 | 4.544 | / | Pass |
| | | 1912.5 | 25 | 0 | 4.557 | / | Pass |
| 10 | QPSK | 1855 | 50 | 0 | 9.063 | / | Pass |
| | | 1882.5 | 50 | 0 | 9.035 | / | Pass |
| | | 1910 | 50 | 0 | 9.103 | / | Pass |
| | 16QAM | 1855 | 50 | 0 | 9.039 | / | Pass |
| | | 1882.5 | 50 | 0 | 9.046 | / | Pass |
| | | 1910 | 50 | 0 | 9.051 | / | Pass |
| | 64QAM | 1855 | 50 | 0 | 9.054 | / | Pass |
| | | 1882.5 | 50 | 0 | 9.041 | / | Pass |
| | | 1910 | 50 | 0 | 9.080 | / | Pass |
| 15 | QPSK | 1857.5 | 75 | 0 | 13.579 | / | Pass |
| | | 1882.5 | 75 | 0 | 13.563 | / | Pass |
| | | 1907.5 | 75 | 0 | 13.547 | / | Pass |



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| | | | | | | | |
|----|-------|--------|-----|---|--------|---|------|
| | 16QAM | 1857.5 | 75 | 0 | 13.539 | / | Pass |
| | | 1882.5 | 75 | 0 | 13.593 | / | Pass |
| | | 1907.5 | 75 | 0 | 13.568 | / | Pass |
| | 64QAM | 1857.5 | 75 | 0 | 13.547 | / | Pass |
| | | 1882.5 | 75 | 0 | 13.558 | / | Pass |
| | | 1907.5 | 75 | 0 | 13.596 | / | Pass |
| 20 | QPSK | 1860 | 100 | 0 | 18.136 | / | Pass |
| | | 1882.5 | 100 | 0 | 18.058 | / | Pass |
| | | 1905 | 100 | 0 | 18.031 | / | Pass |
| | 16QAM | 1860 | 100 | 0 | 18.087 | / | Pass |
| | | 1882.5 | 100 | 0 | 18.045 | / | Pass |
| | | 1905 | 100 | 0 | 18.006 | / | Pass |
| | 64QAM | 1860 | 100 | 0 | 18.076 | / | Pass |
| | | 1882.5 | 100 | 0 | 18.100 | / | Pass |
| | | 1905 | 100 | 0 | 18.038 | / | Pass |



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3.2 Band25_XDB

3.2.1 Test Result

| Band: 25 / NTNV | | | | | | | |
|-----------------|------------|-----------------|---------------|--------|----------------------|-------|---------|
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation | | 26dB Bandwidth (MHz) | | Verdict |
| | | | Size | Offset | Result | Limit | |
| 1.4 | QPSK | 1850.7 | 6 | 0 | 1.334 | / | Pass |
| | | 1882.5 | 6 | 0 | 1.336 | / | Pass |
| | | 1914.3 | 6 | 0 | 1.337 | / | Pass |
| | 16QAM | 1850.7 | 6 | 0 | 1.344 | / | Pass |
| | | 1882.5 | 6 | 0 | 1.310 | / | Pass |
| | | 1914.3 | 6 | 0 | 1.354 | / | Pass |
| | 64QAM | 1850.7 | 6 | 0 | 1.337 | / | Pass |
| | | 1882.5 | 6 | 0 | 1.351 | / | Pass |
| | | 1914.3 | 6 | 0 | 1.330 | / | Pass |
| 3 | QPSK | 1851.5 | 15 | 0 | 3.018 | / | Pass |
| | | 1882.5 | 15 | 0 | 3.031 | / | Pass |
| | | 1913.5 | 15 | 0 | 3.027 | / | Pass |
| | 16QAM | 1851.5 | 15 | 0 | 3.003 | / | Pass |
| | | 1882.5 | 15 | 0 | 3.015 | / | Pass |
| | | 1913.5 | 15 | 0 | 3.037 | / | Pass |
| | 64QAM | 1851.5 | 15 | 0 | 3.029 | / | Pass |
| | | 1882.5 | 15 | 0 | 3.025 | / | Pass |
| | | 1913.5 | 15 | 0 | 3.011 | / | Pass |
| 5 | QPSK | 1852.5 | 25 | 0 | 5.091 | / | Pass |
| | | 1882.5 | 25 | 0 | 5.083 | / | Pass |
| | | 1912.5 | 25 | 0 | 5.095 | / | Pass |
| | 16QAM | 1852.5 | 25 | 0 | 5.086 | / | Pass |
| | | 1882.5 | 25 | 0 | 5.045 | / | Pass |
| | | 1912.5 | 25 | 0 | 5.094 | / | Pass |
| | 64QAM | 1852.5 | 25 | 0 | 5.054 | / | Pass |
| | | 1882.5 | 25 | 0 | 5.077 | / | Pass |
| | | 1912.5 | 25 | 0 | 5.079 | / | Pass |
| 10 | QPSK | 1855 | 50 | 0 | 10.065 | / | Pass |
| | | 1882.5 | 50 | 0 | 9.940 | / | Pass |
| | | 1910 | 50 | 0 | 10.073 | / | Pass |
| | 16QAM | 1855 | 50 | 0 | 9.940 | / | Pass |
| | | 1882.5 | 50 | 0 | 9.923 | / | Pass |
| | | 1910 | 50 | 0 | 10.015 | / | Pass |
| | 64QAM | 1855 | 50 | 0 | 9.932 | / | Pass |
| | | 1882.5 | 50 | 0 | 10.004 | / | Pass |
| | | 1910 | 50 | 0 | 9.935 | / | Pass |
| 15 | QPSK | 1857.5 | 75 | 0 | 15.012 | / | Pass |
| | | 1882.5 | 75 | 0 | 14.998 | / | Pass |
| | | 1907.5 | 75 | 0 | 14.973 | / | Pass |
| | 16QAM | 1857.5 | 75 | 0 | 14.891 | / | Pass |
| | | 1882.5 | 75 | 0 | 14.904 | / | Pass |



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| | | | | | | | |
|----|-------|--------|-----|---|--------|---|------|
| | | 1907.5 | 75 | 0 | 14.834 | / | Pass |
| | 64QAM | 1857.5 | 75 | 0 | 14.859 | / | Pass |
| | | 1882.5 | 75 | 0 | 14.909 | / | Pass |
| | | 1907.5 | 75 | 0 | 14.980 | / | Pass |
| | | 1860 | 100 | 0 | 19.794 | / | Pass |
| 20 | QPSK | 1882.5 | 100 | 0 | 19.722 | / | Pass |
| | | 1905 | 100 | 0 | 19.795 | / | Pass |
| | | 1860 | 100 | 0 | 19.860 | / | Pass |
| | 16QAM | 1882.5 | 100 | 0 | 19.751 | / | Pass |
| | | 1905 | 100 | 0 | 19.691 | / | Pass |
| | | 1860 | 100 | 0 | 19.778 | / | Pass |
| | 64QAM | 1882.5 | 100 | 0 | 19.807 | / | Pass |
| | | 1905 | 100 | 0 | 19.701 | / | Pass |



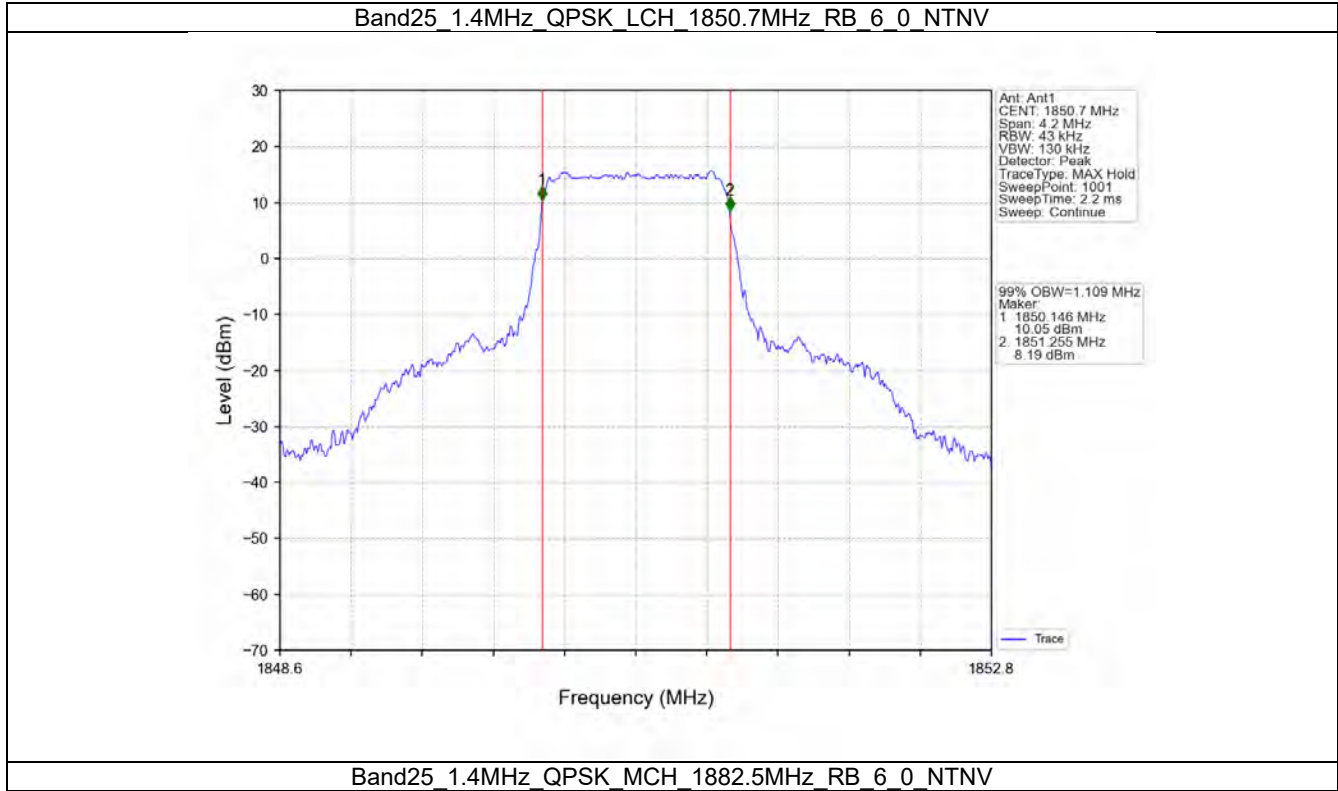
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3.1 Band25_OBW

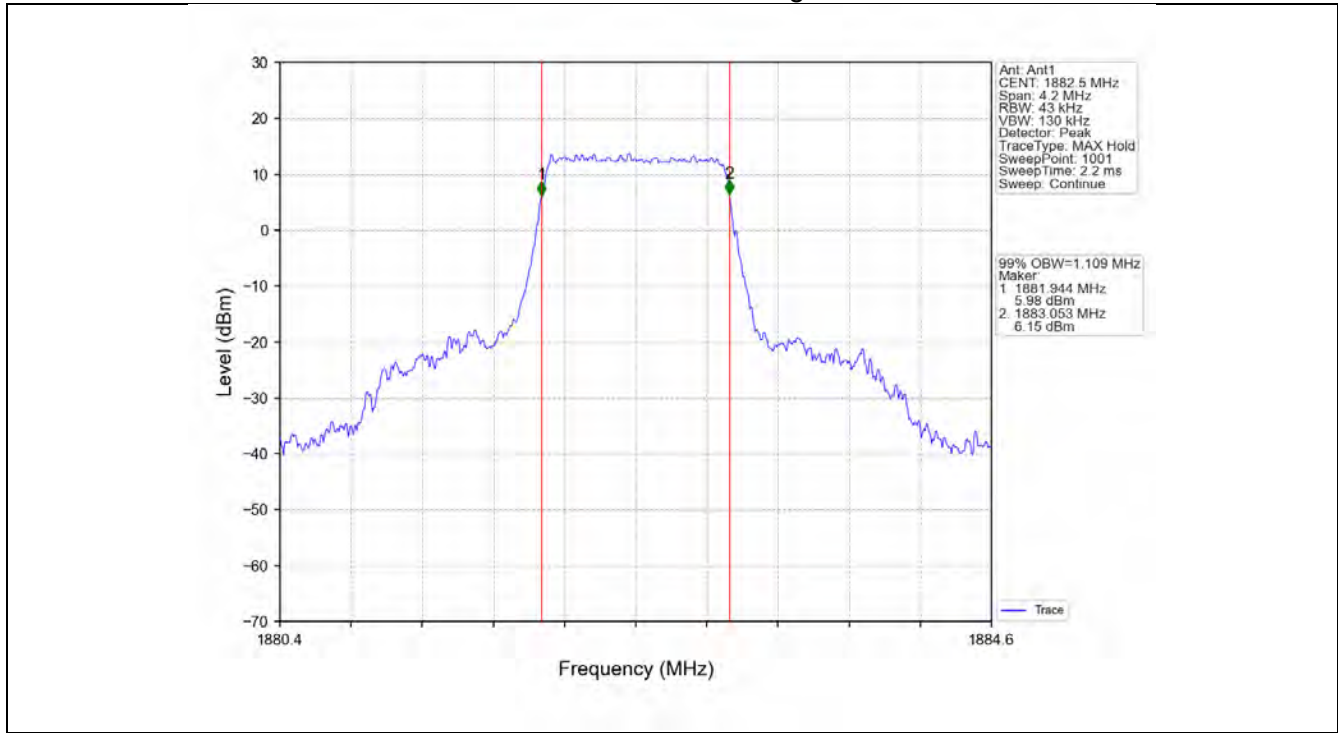
3.1.2 Test Graph



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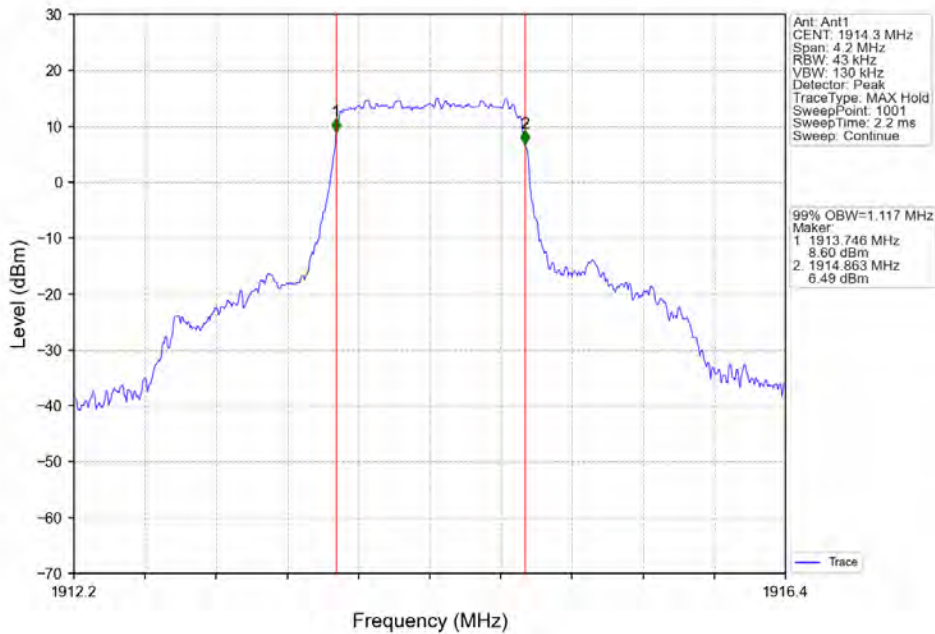


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Band25 1.4MHz QPSK HCH 1914.3MHz RB 6 0 NTN



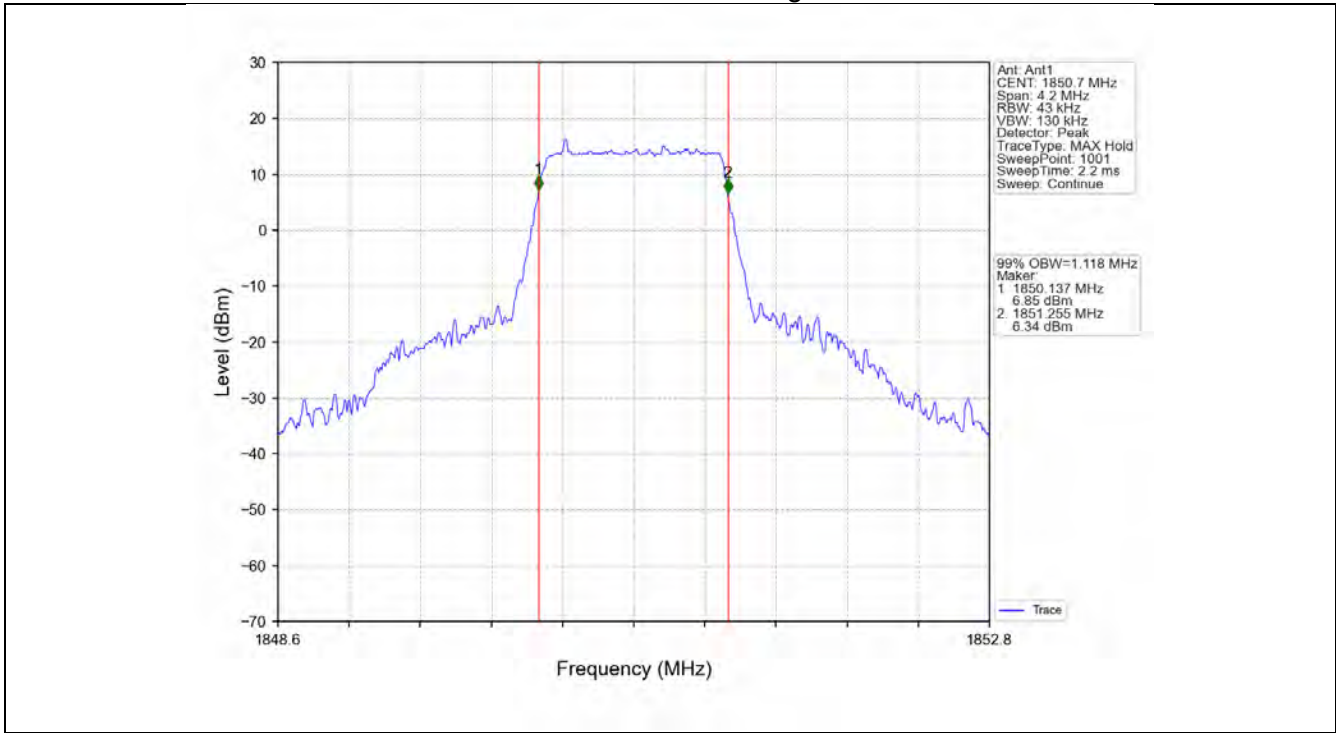
Band25 1.4MHz 16QAM LCH 1850.7MHz RB 6 0 NTN



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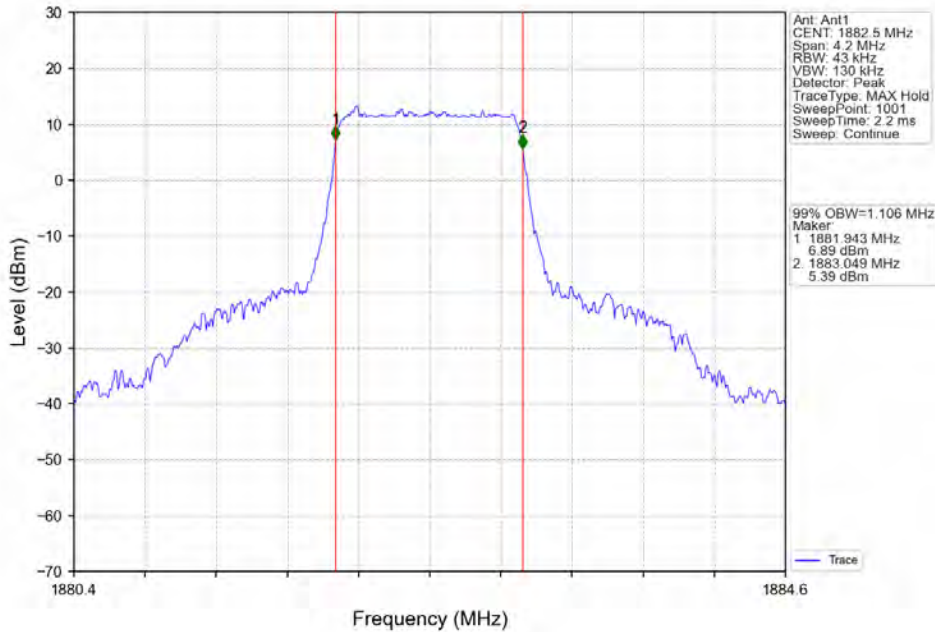


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Band25_1.4MHz_16QAM_MCH_1882.5MHz_RB_6_0_NTNV



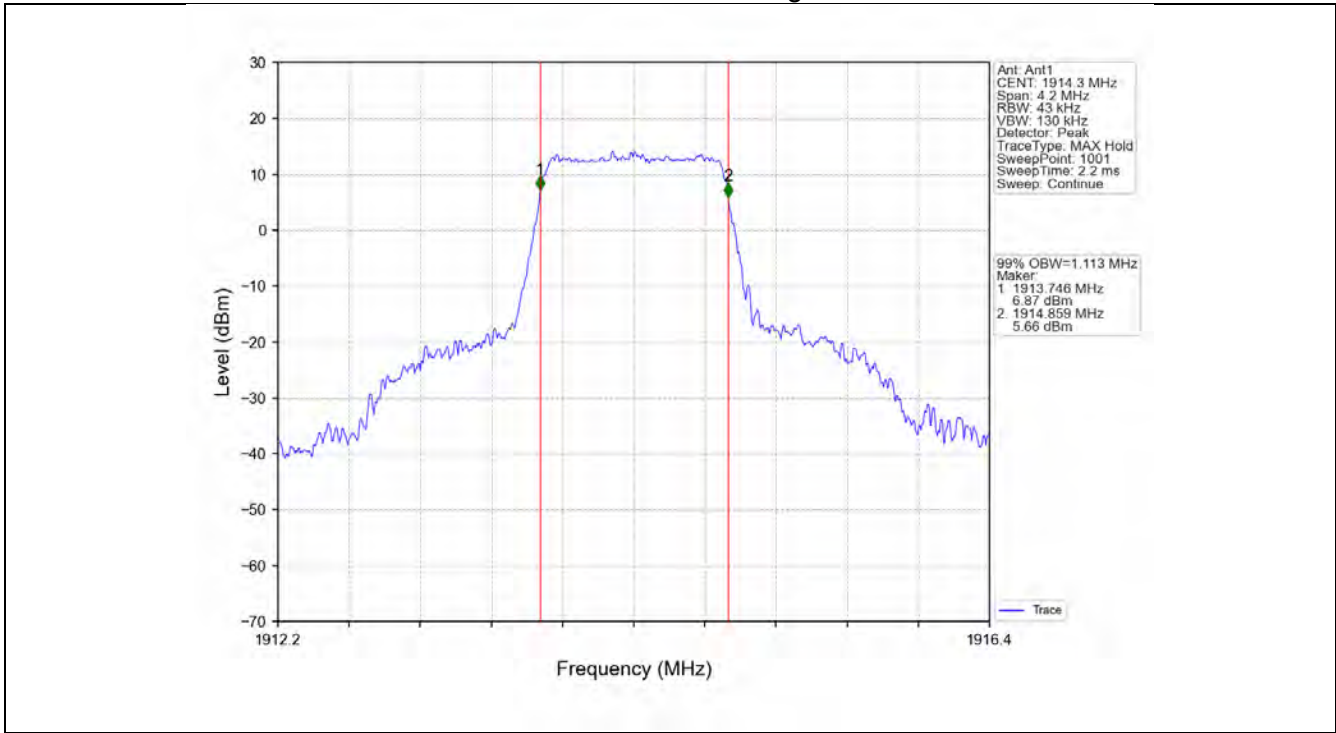
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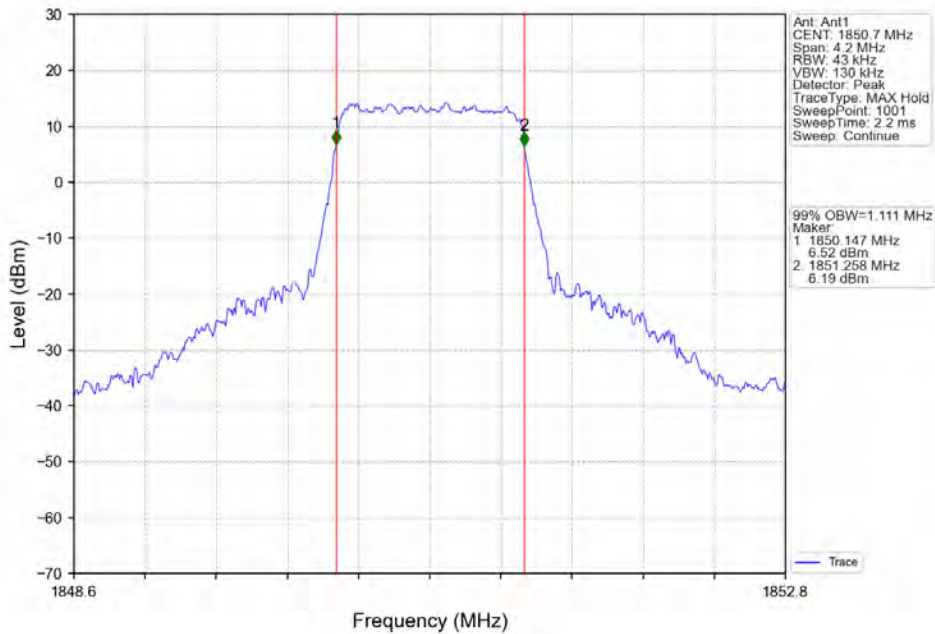


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Band25_1.4MHz_64QAM_LCH_1850.7MHz_RB_6_0_NTNV



Band25_1.4MHz_64QAM_MCH_1882.5MHz_RB_6_0_NTNV

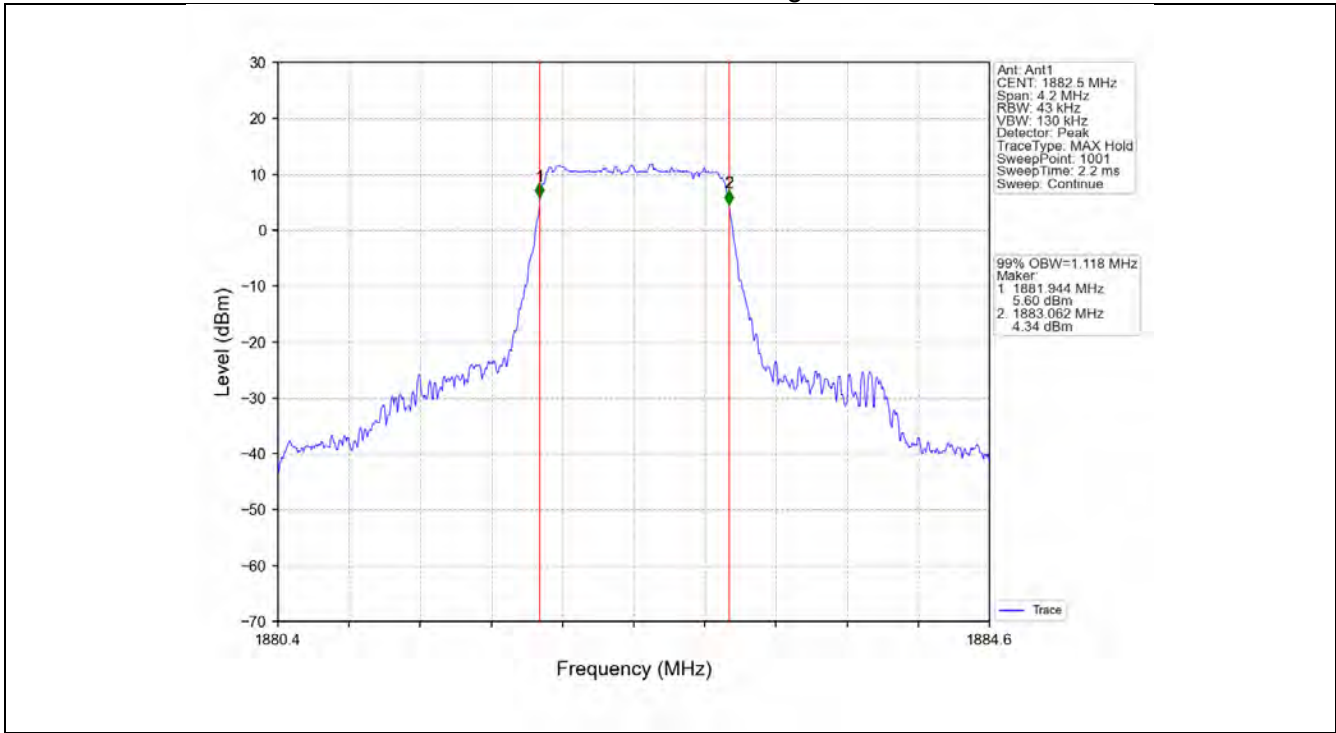


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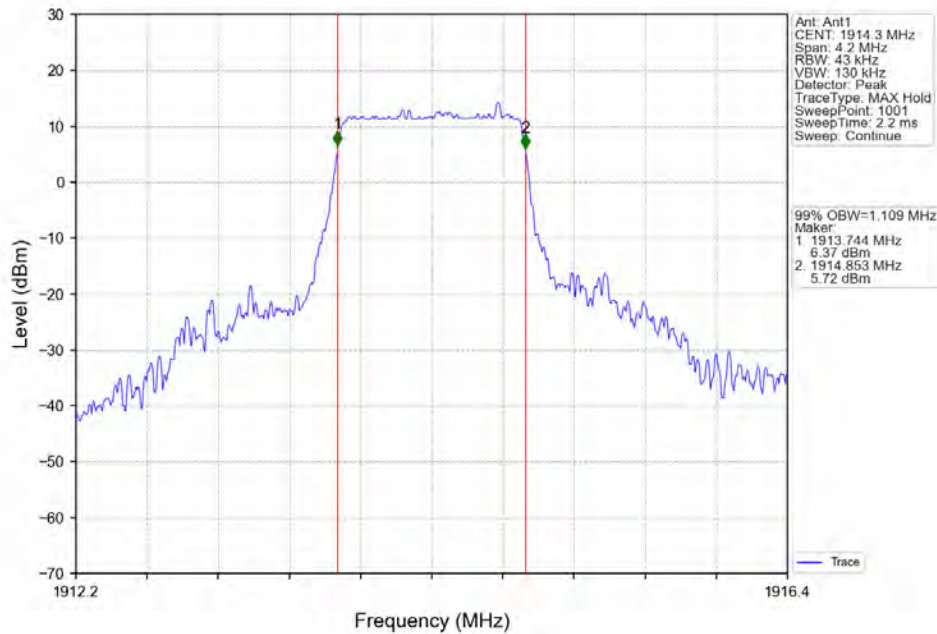


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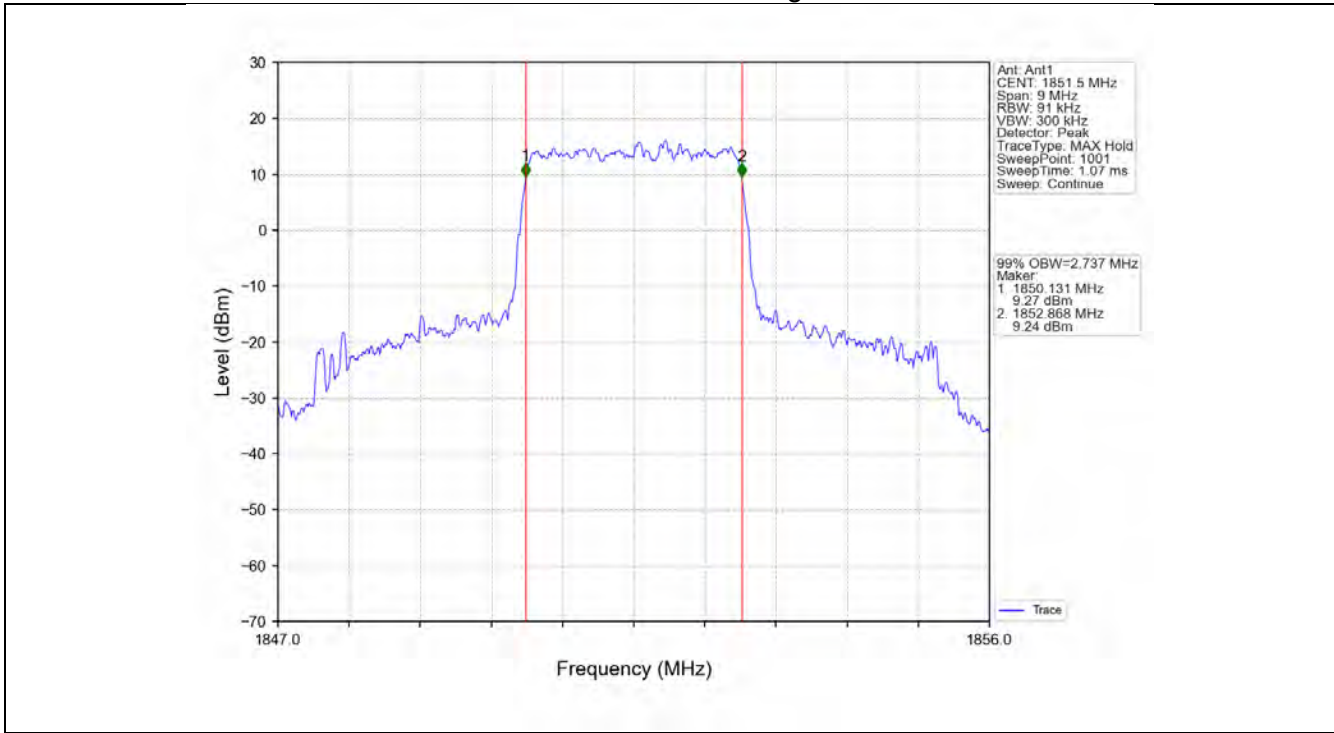
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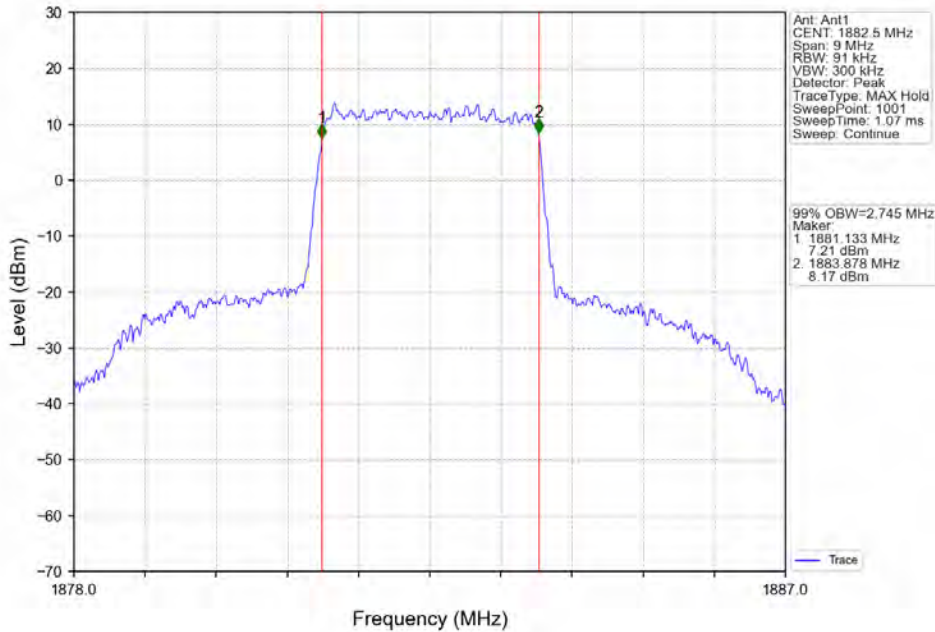


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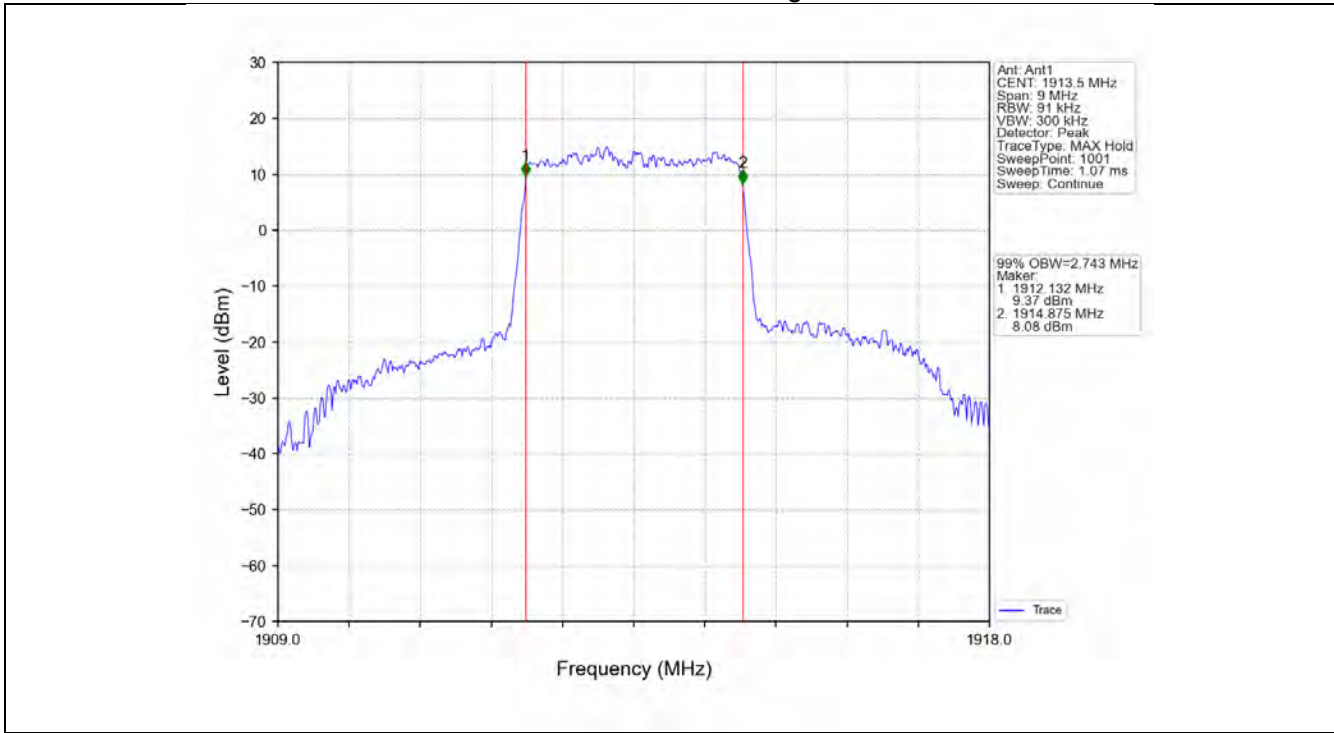
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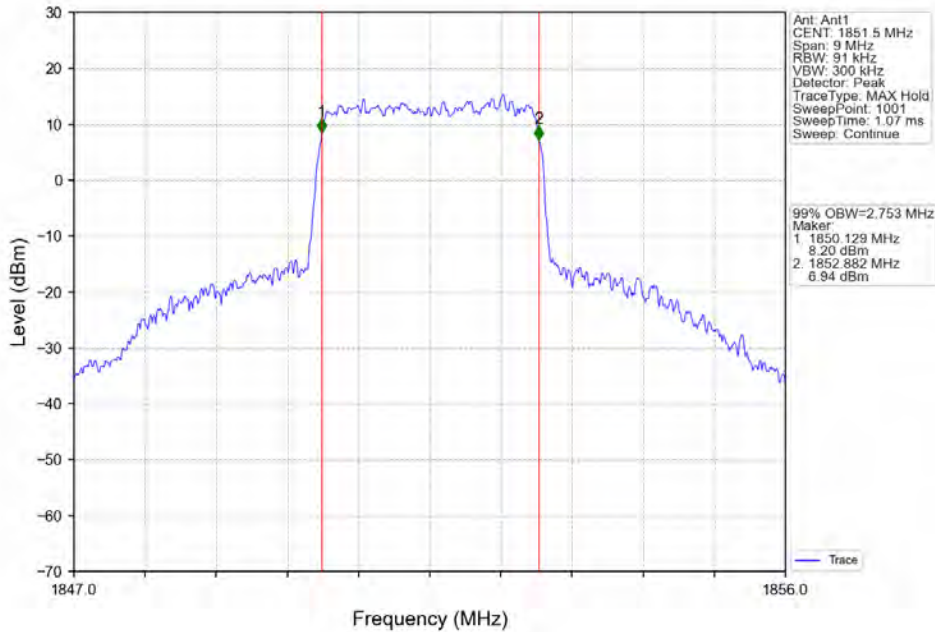


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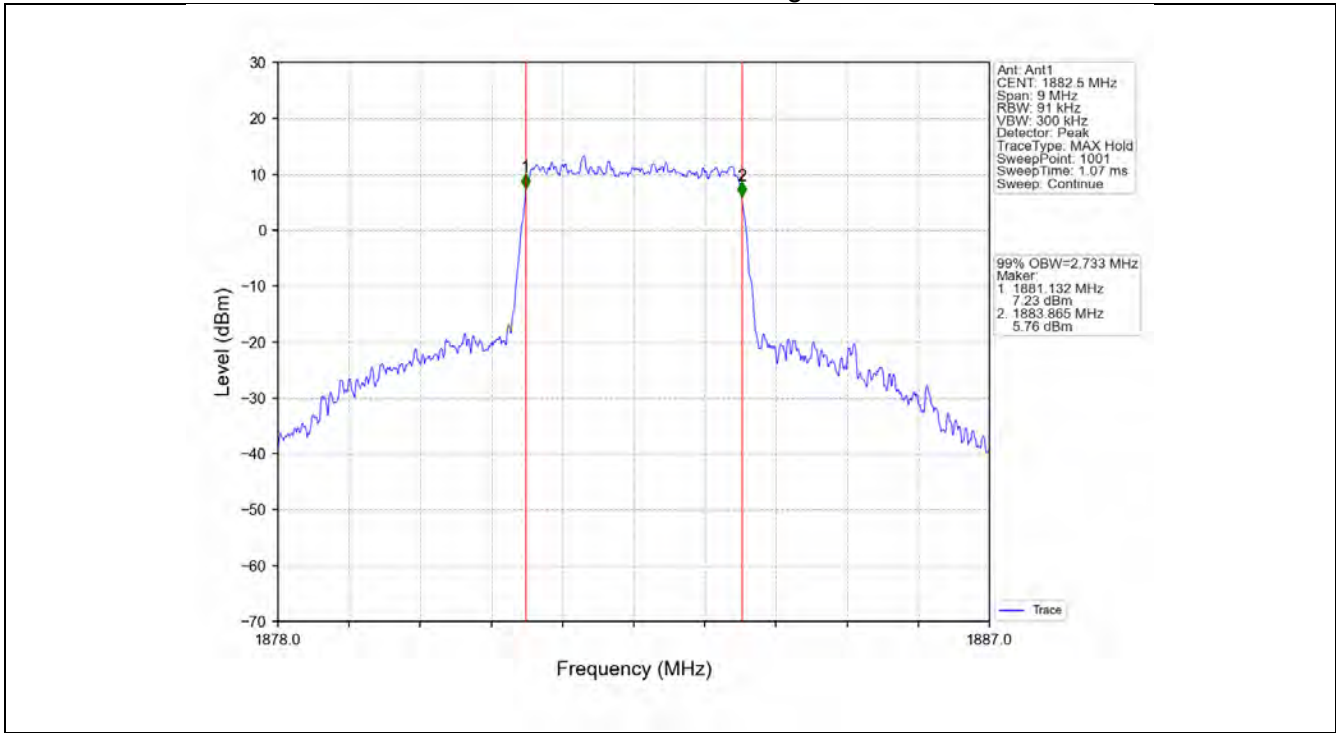


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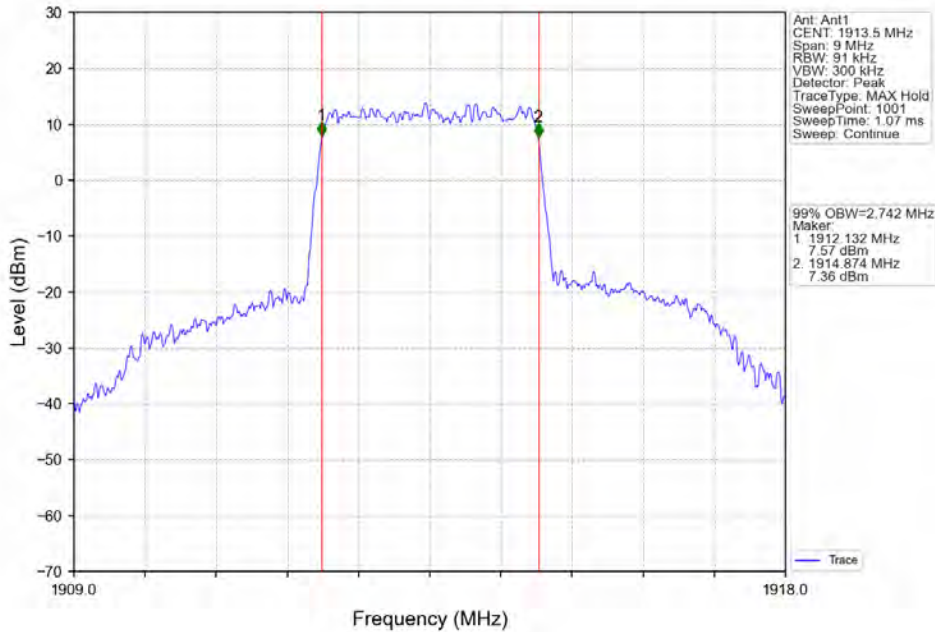


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Band25_3MHz_16QAM_HCH_1913.5MHz_RB_15_0_NTNV



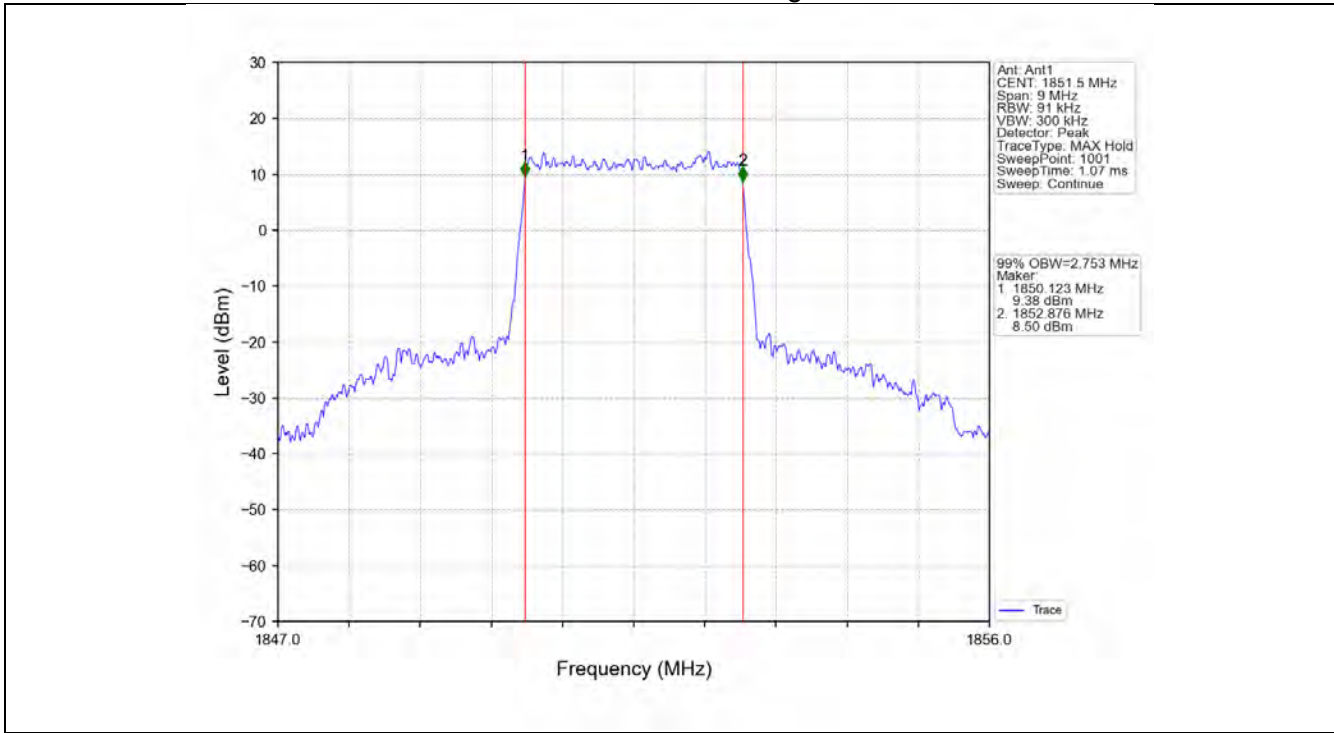
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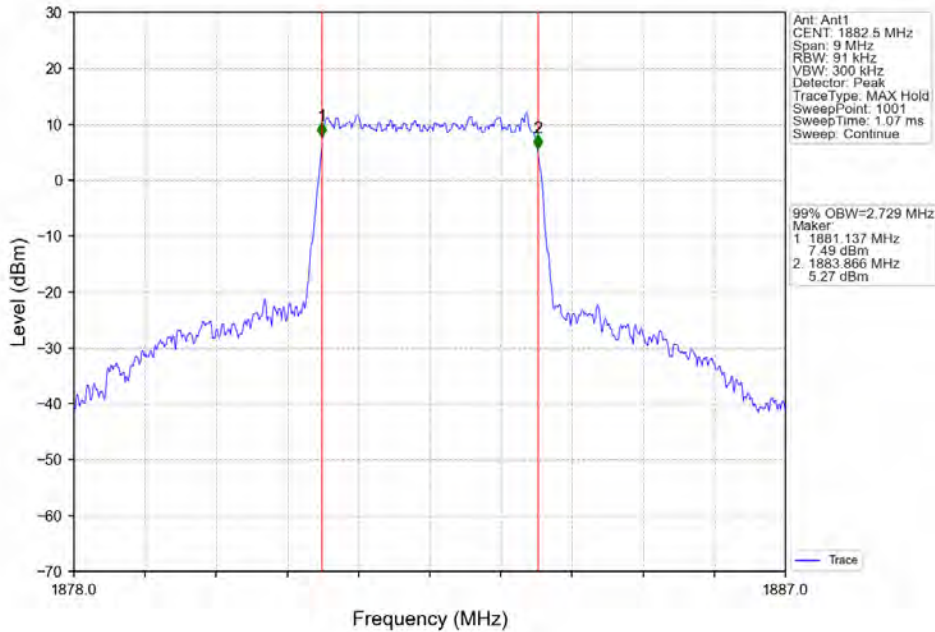


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Band25_3MHz_64QAM_MCH_1882.5MHz_RB_15_0_NTNV



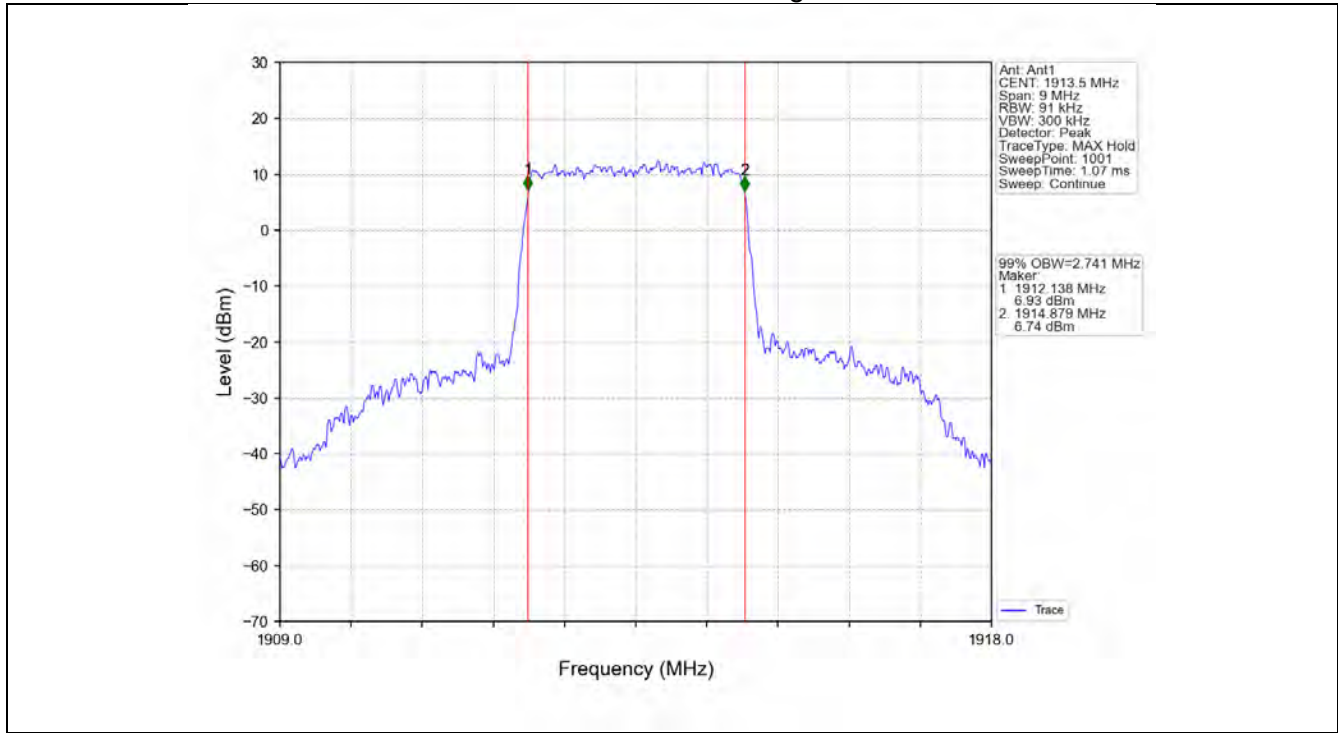
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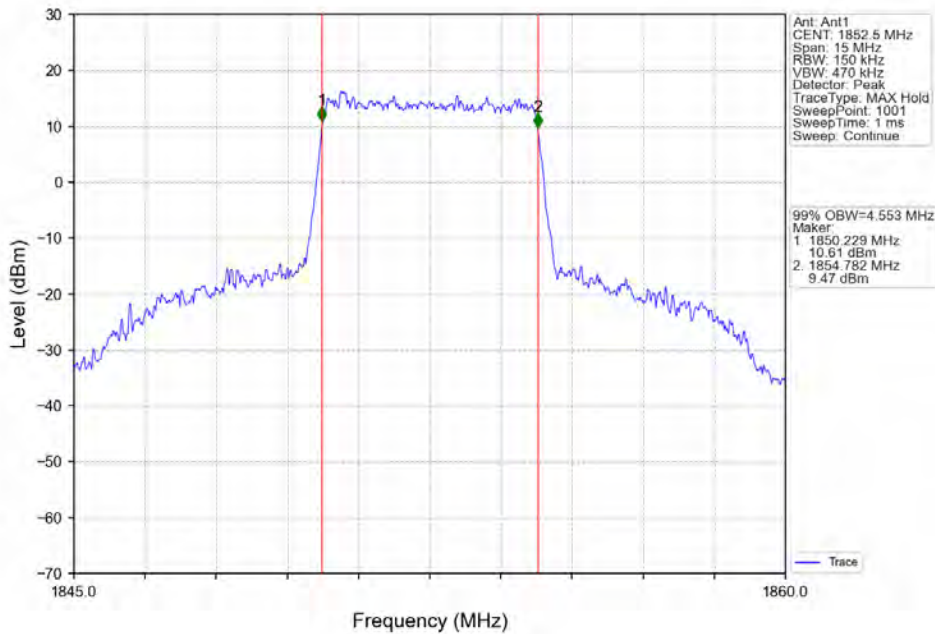


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Band25_5MHz_QPSK_MCH_1882.5MHz_RB_25_0_NTNV



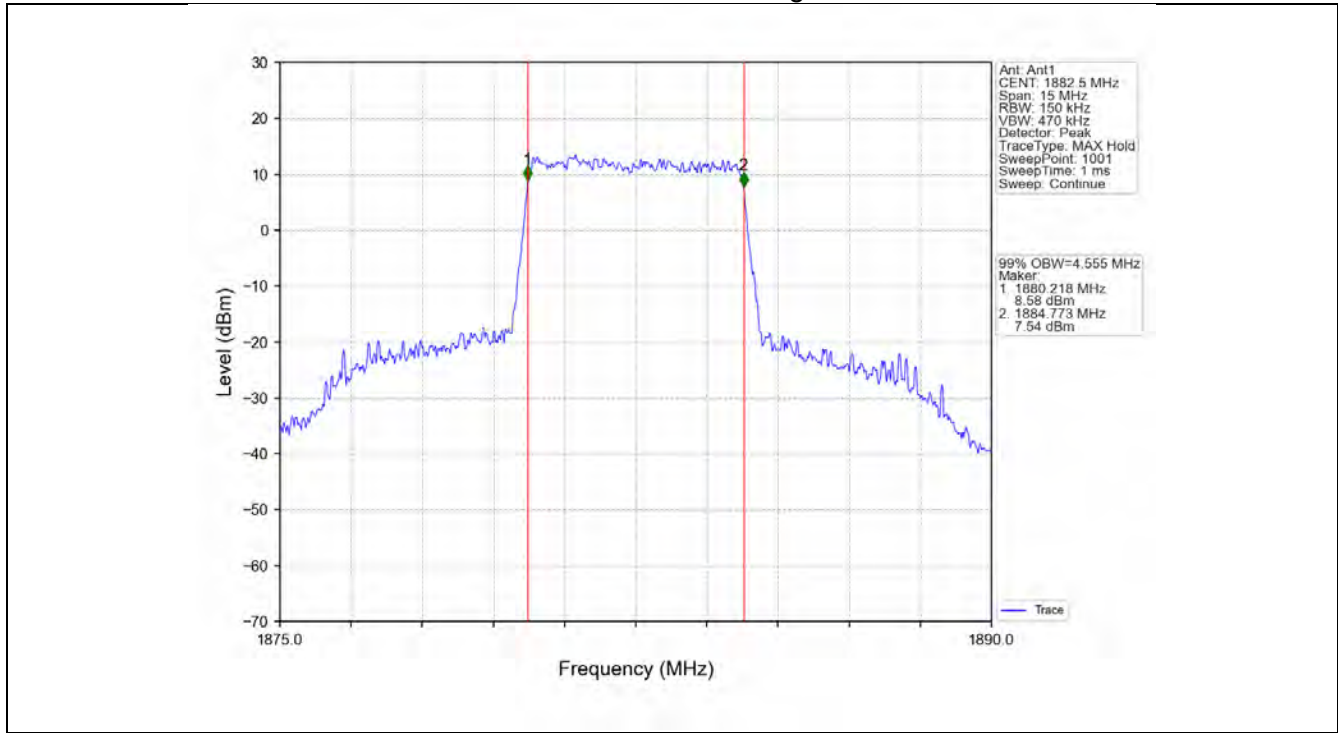
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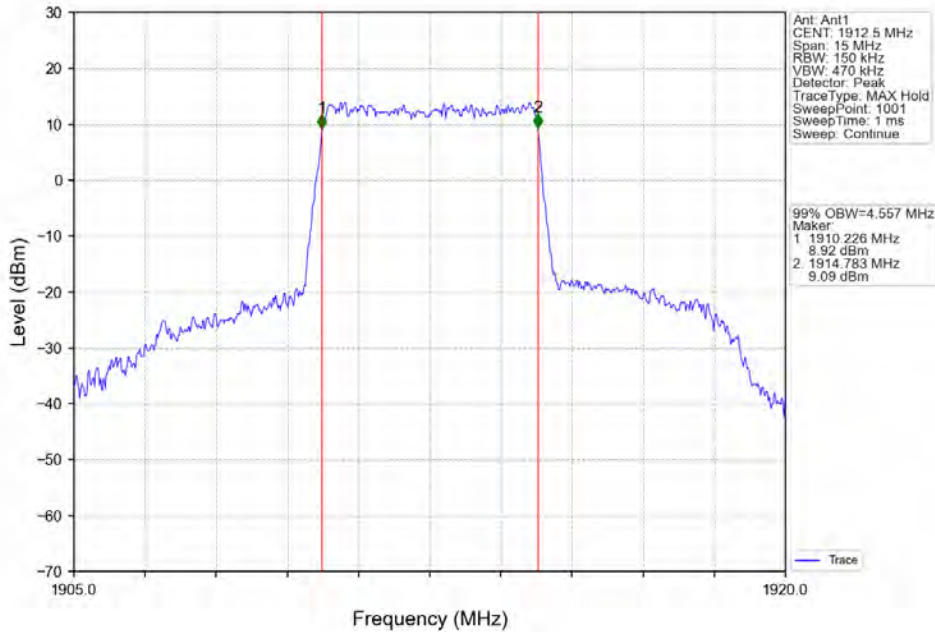


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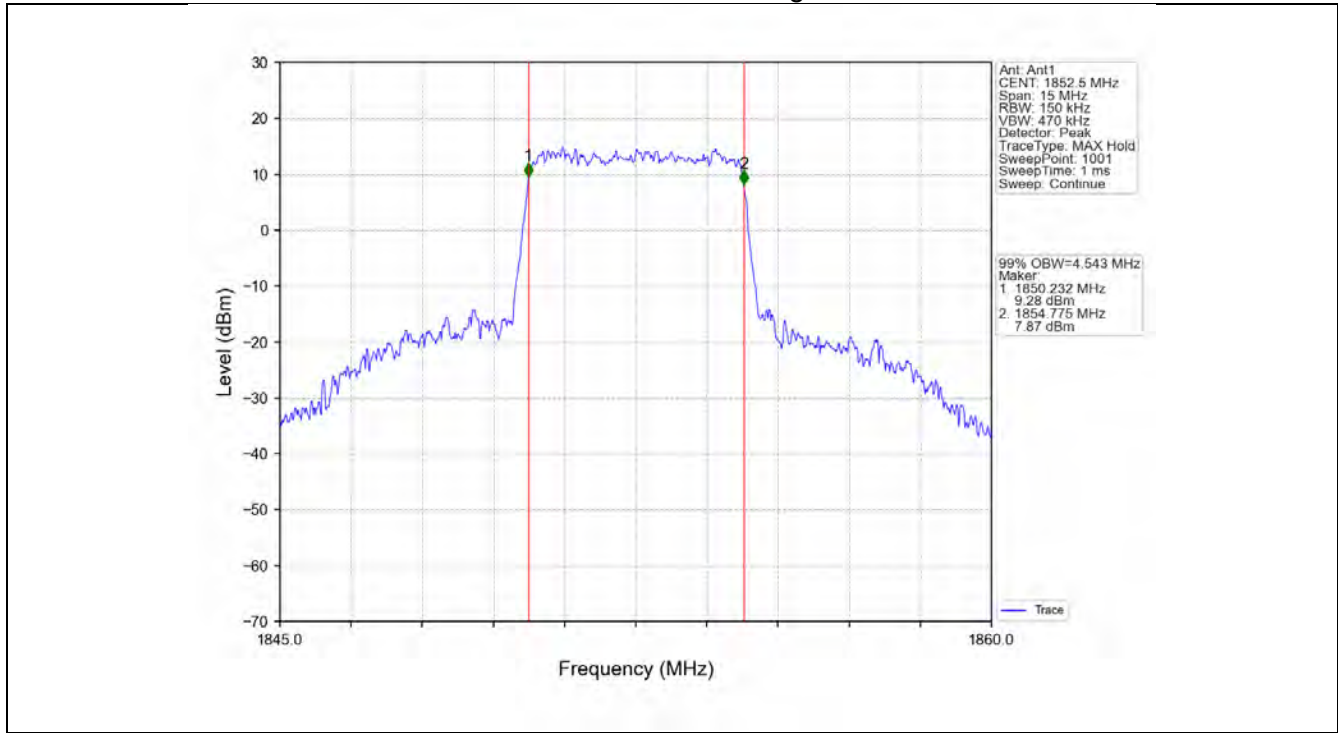
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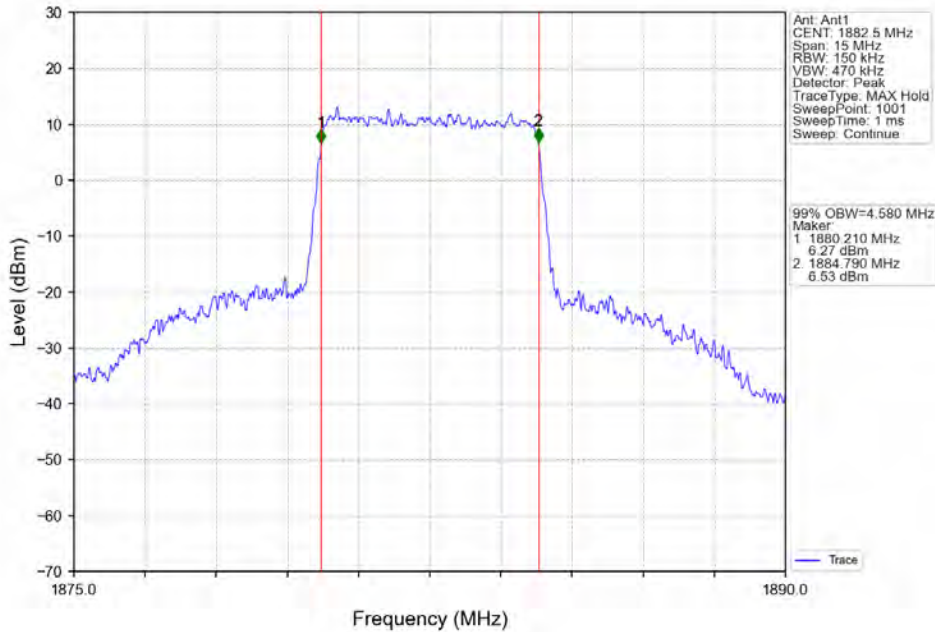


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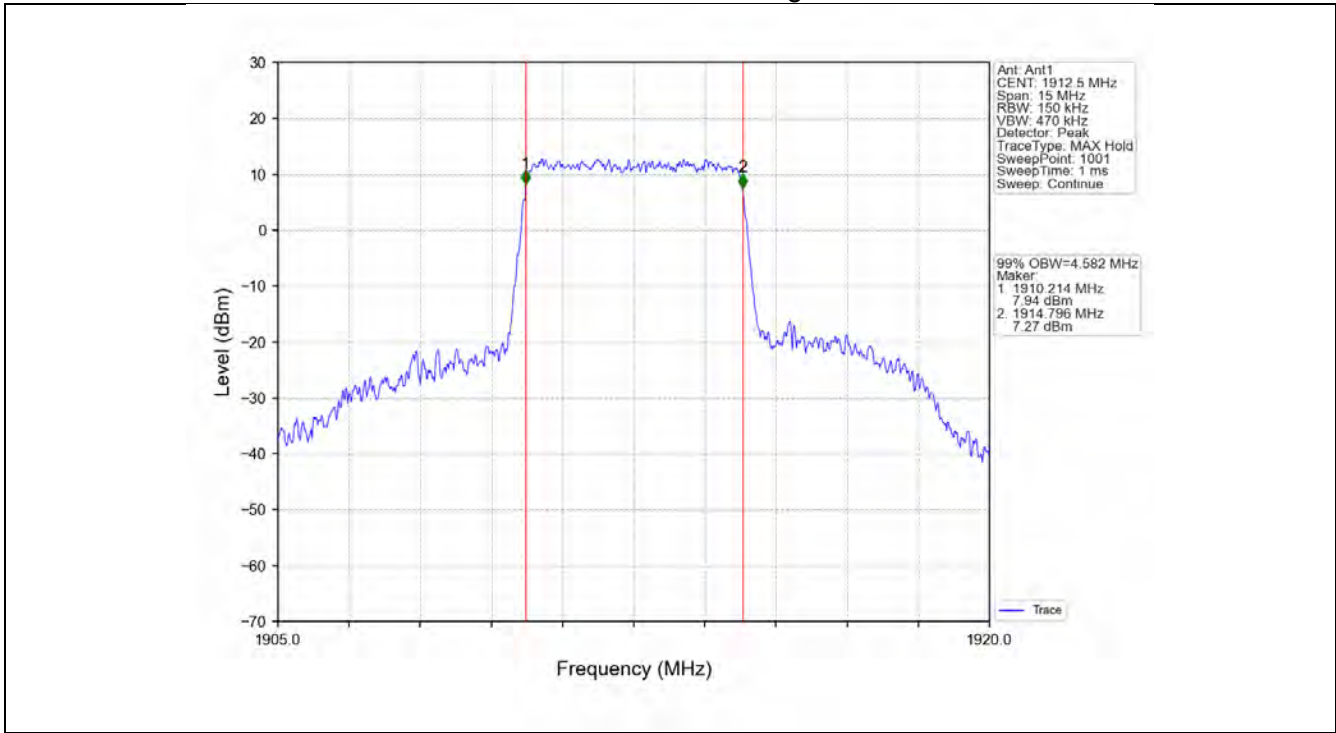
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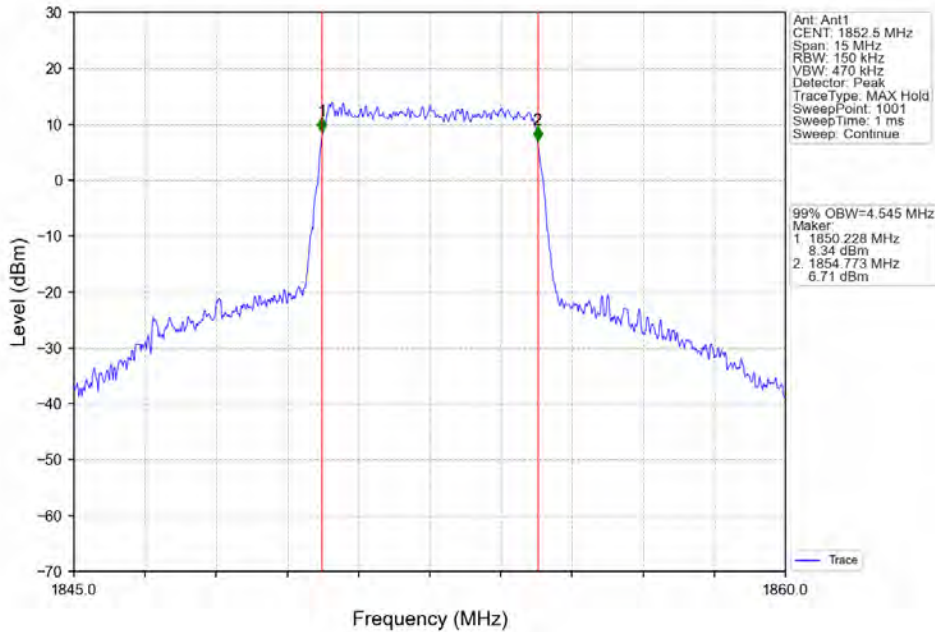


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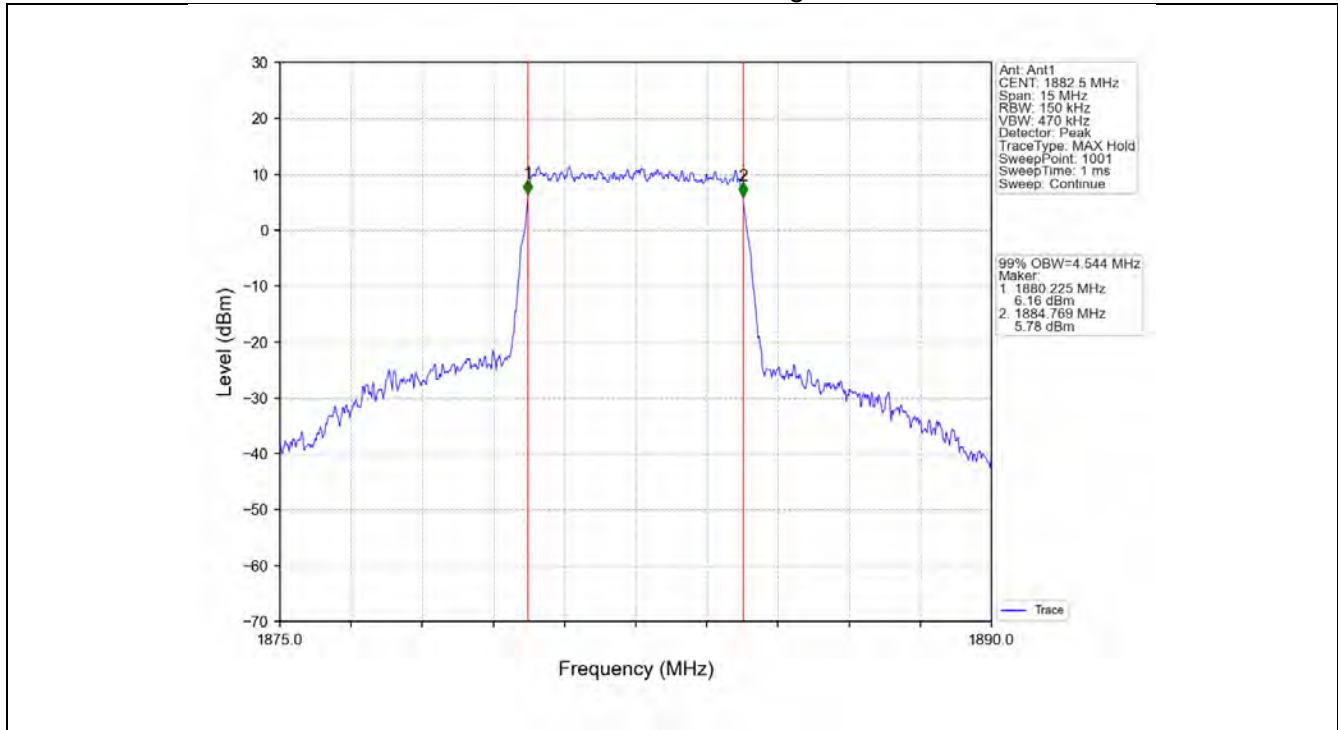
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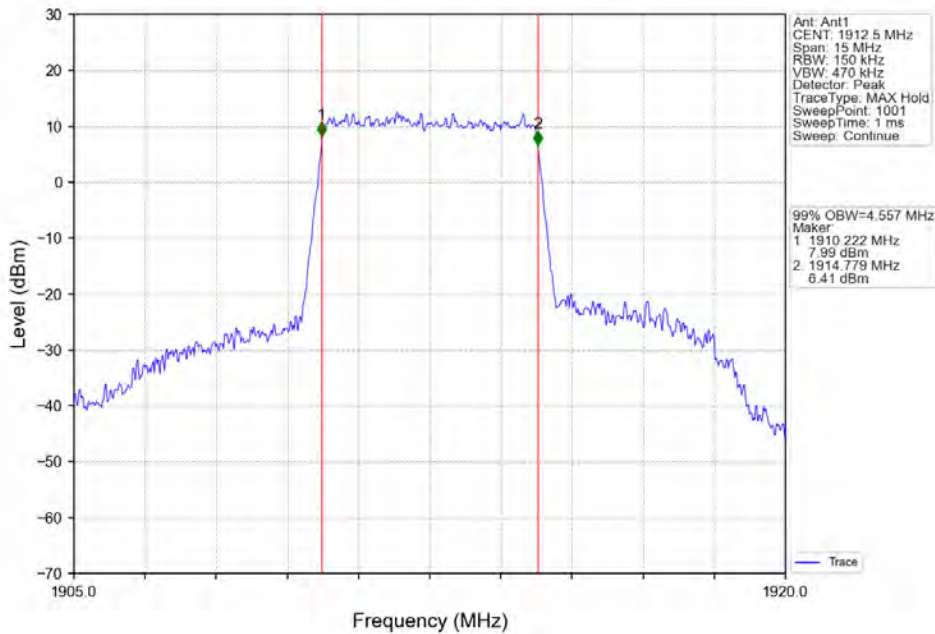
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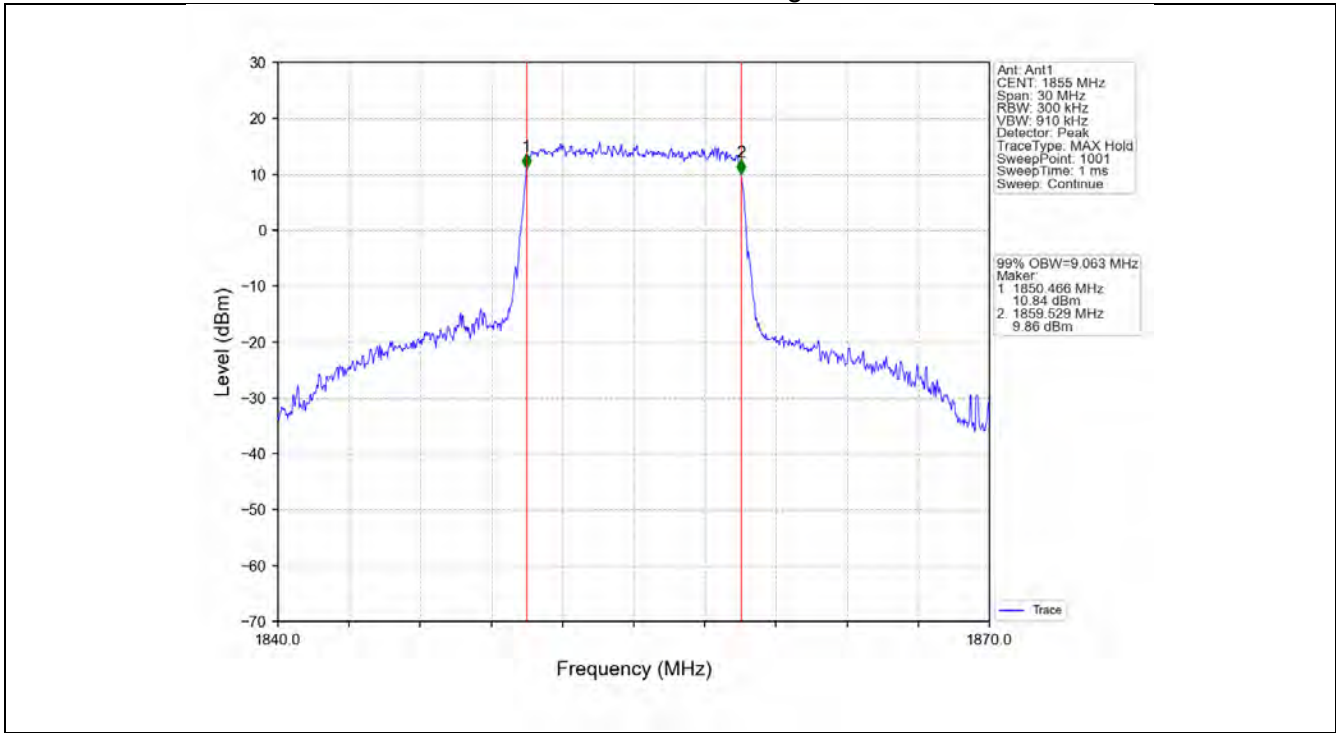
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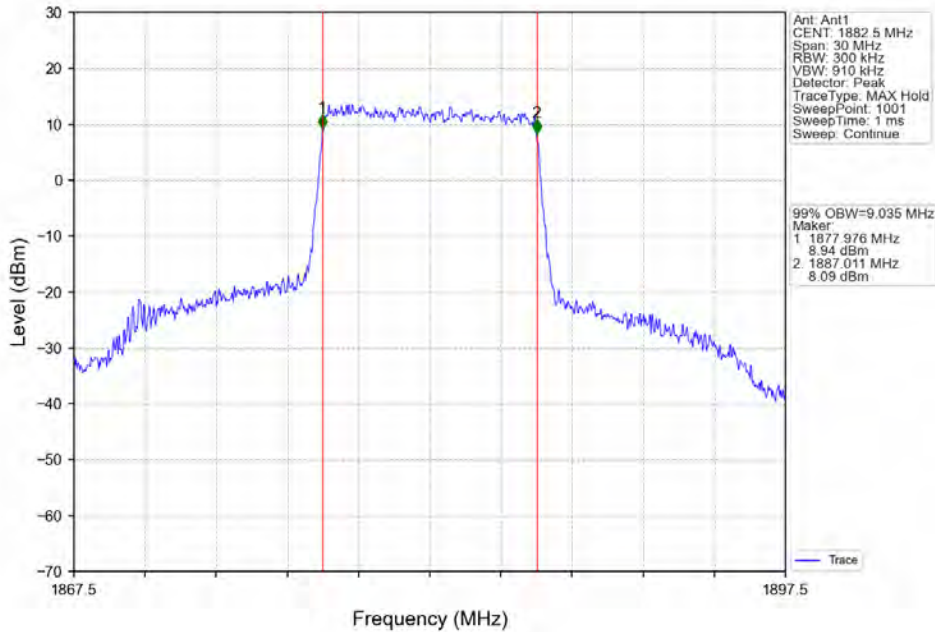


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Band25_10MHz_QPSK_MCH_1882.5MHz_RB_50_0_NTNV



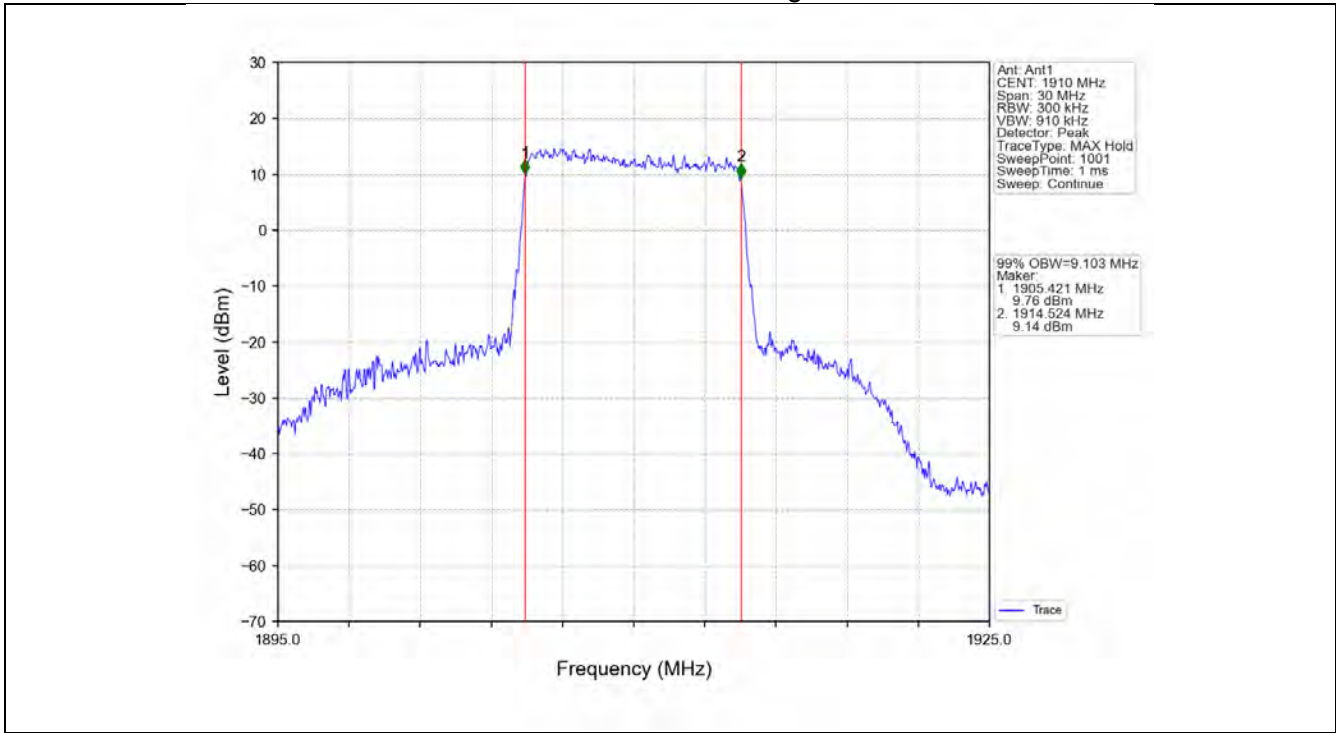
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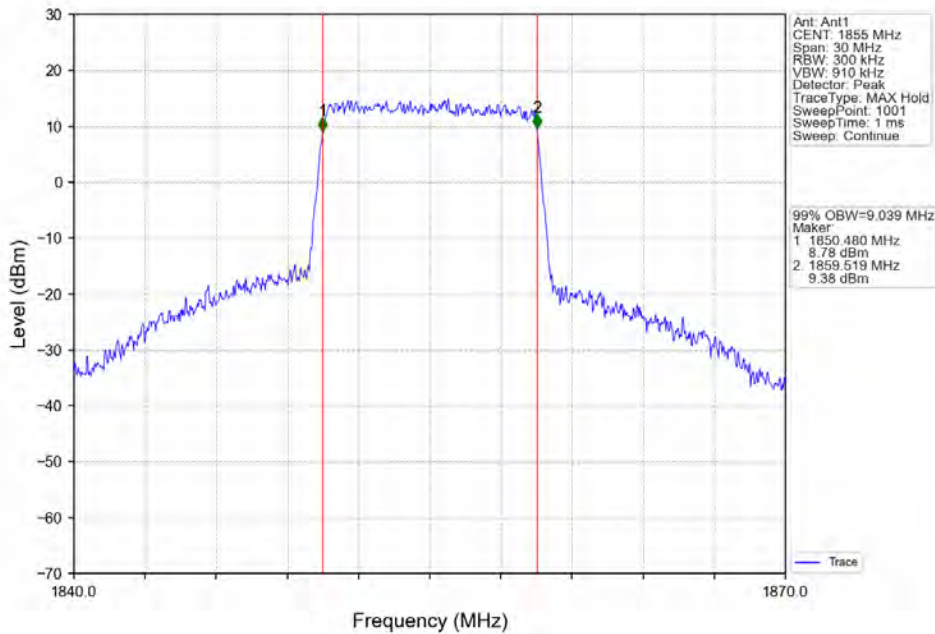


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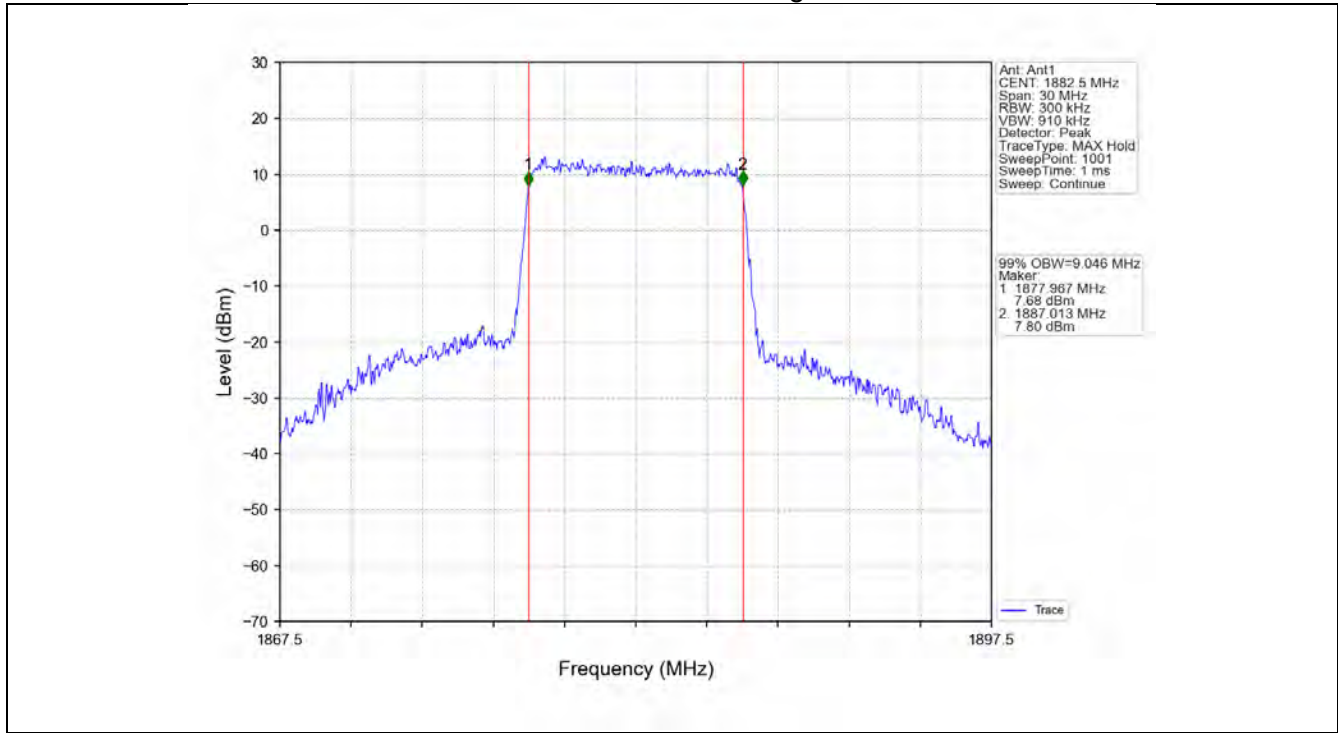
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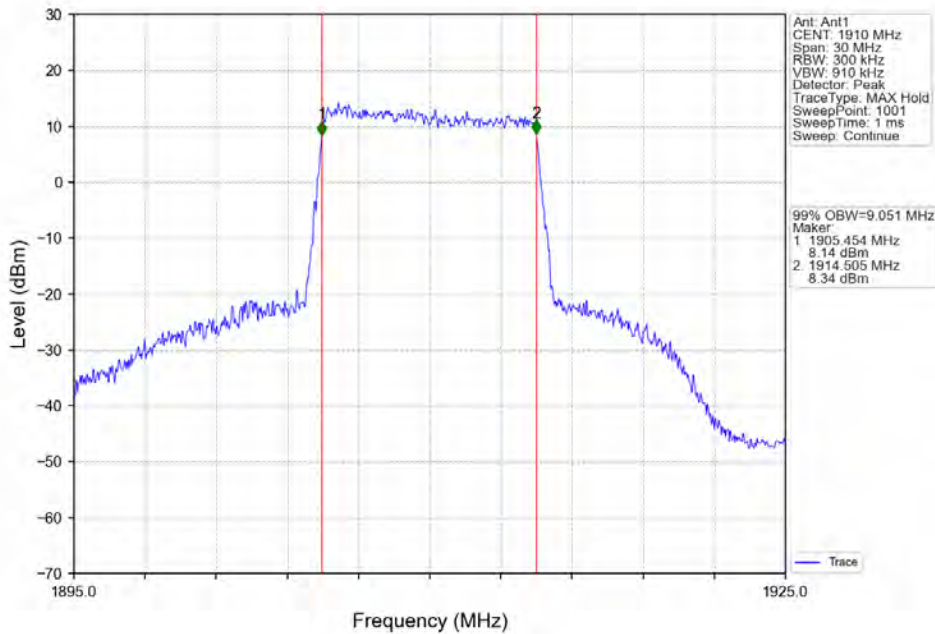


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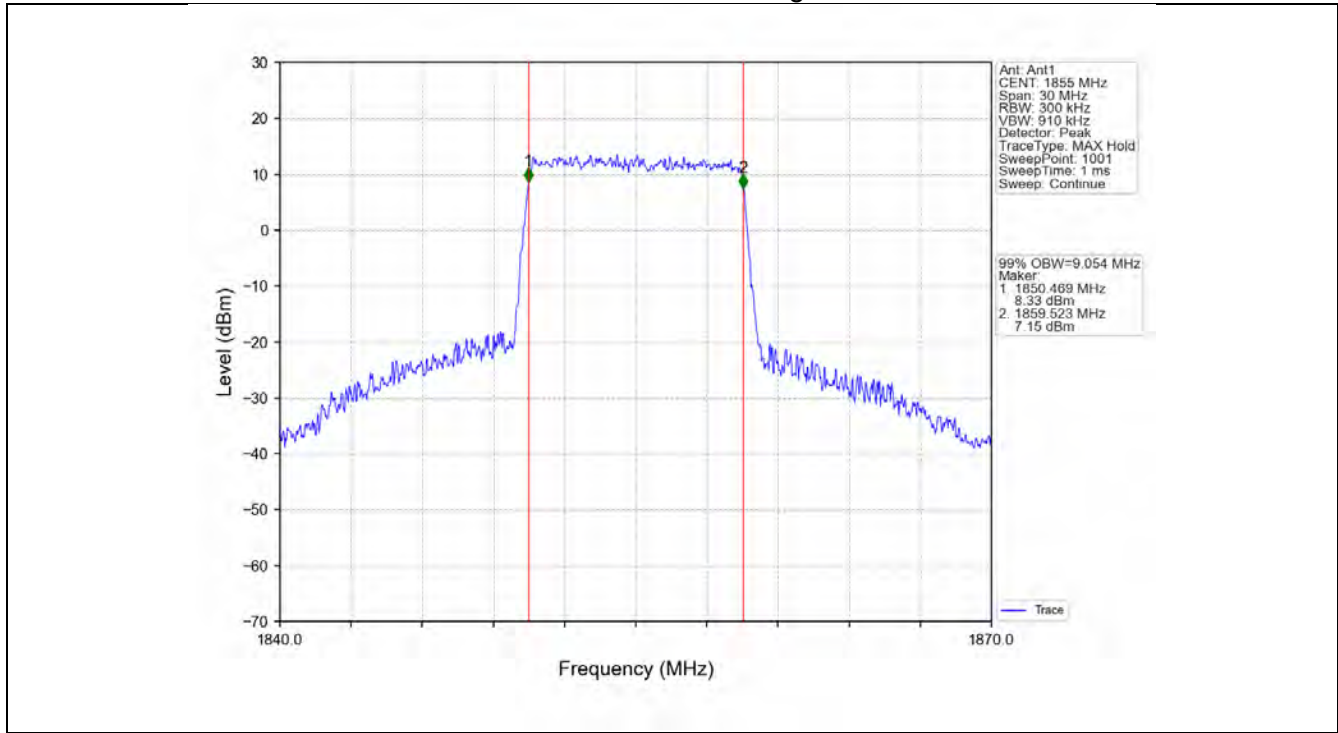


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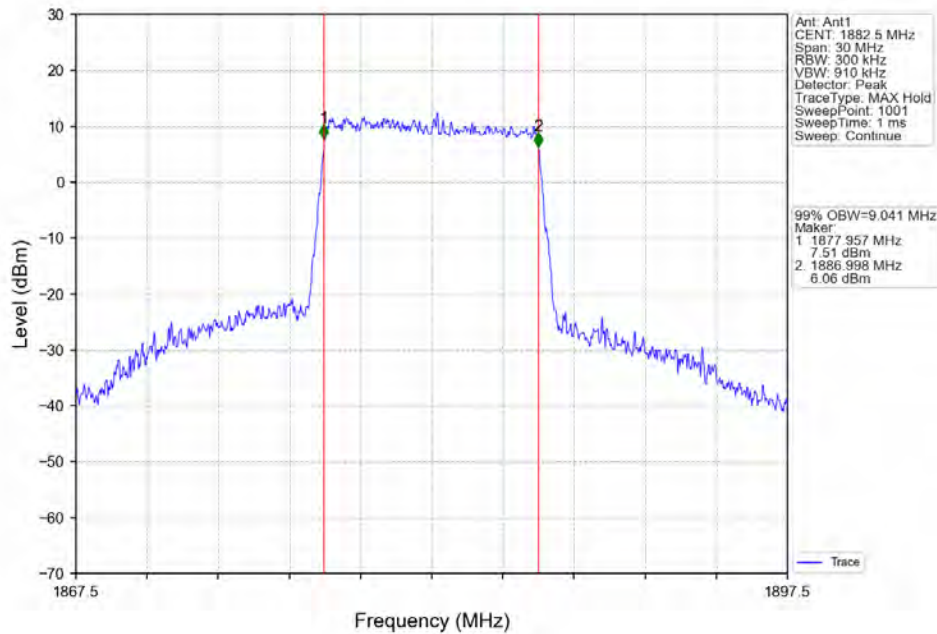


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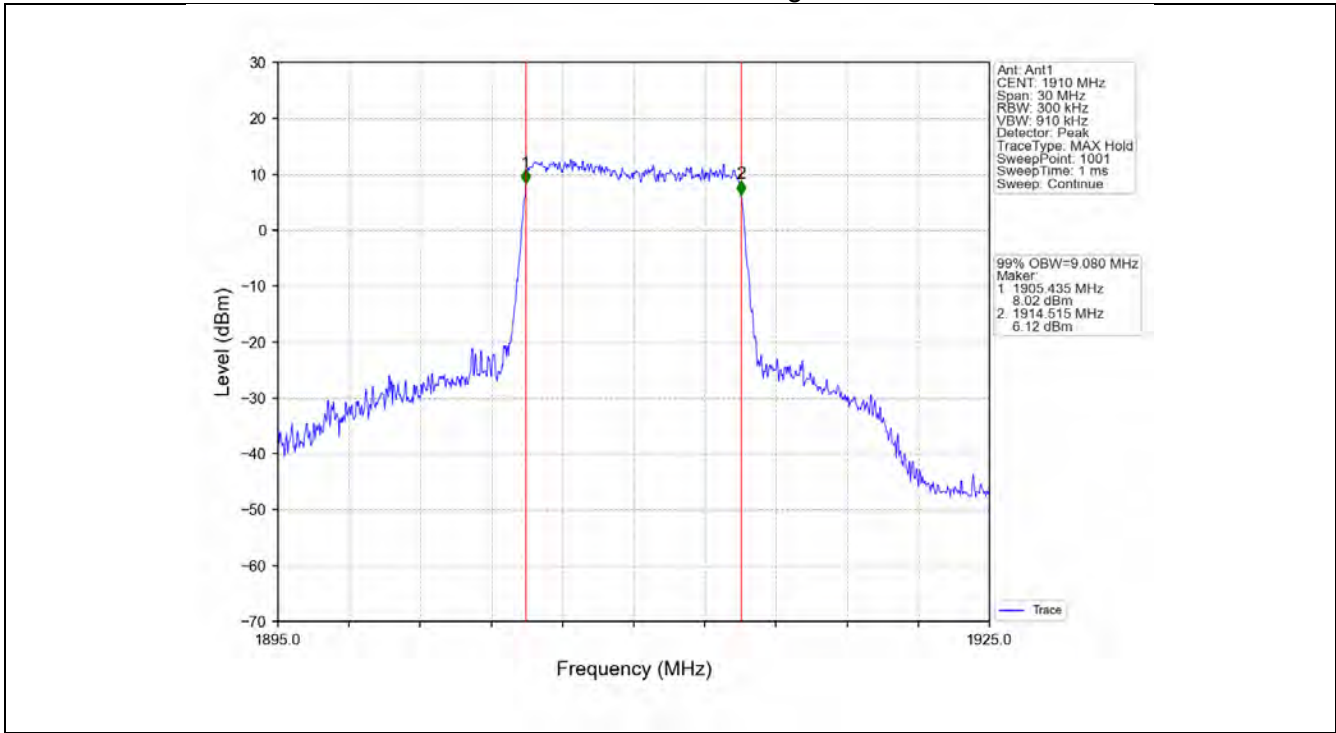


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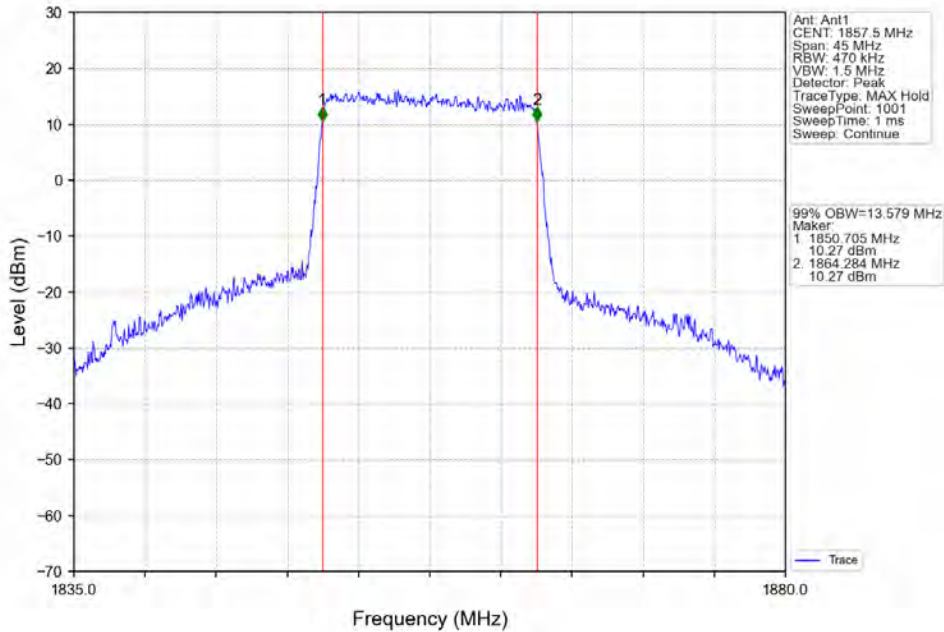


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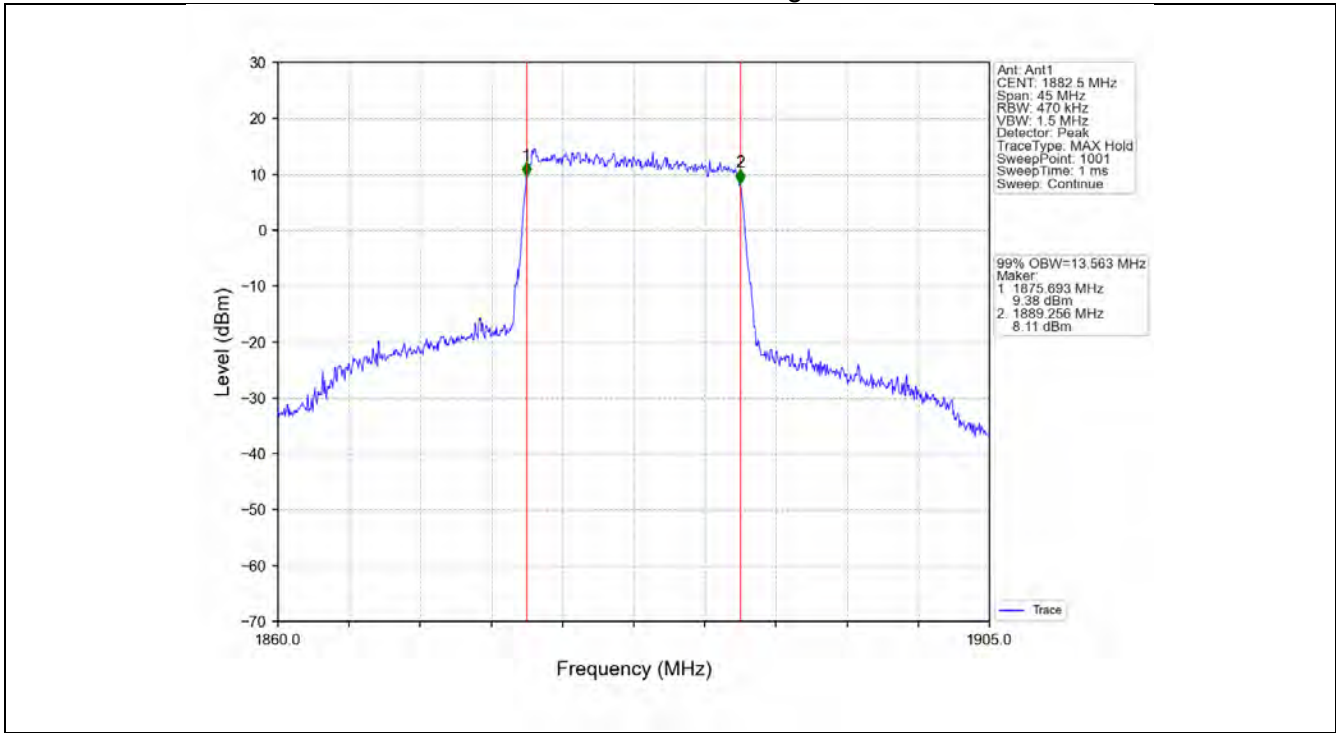


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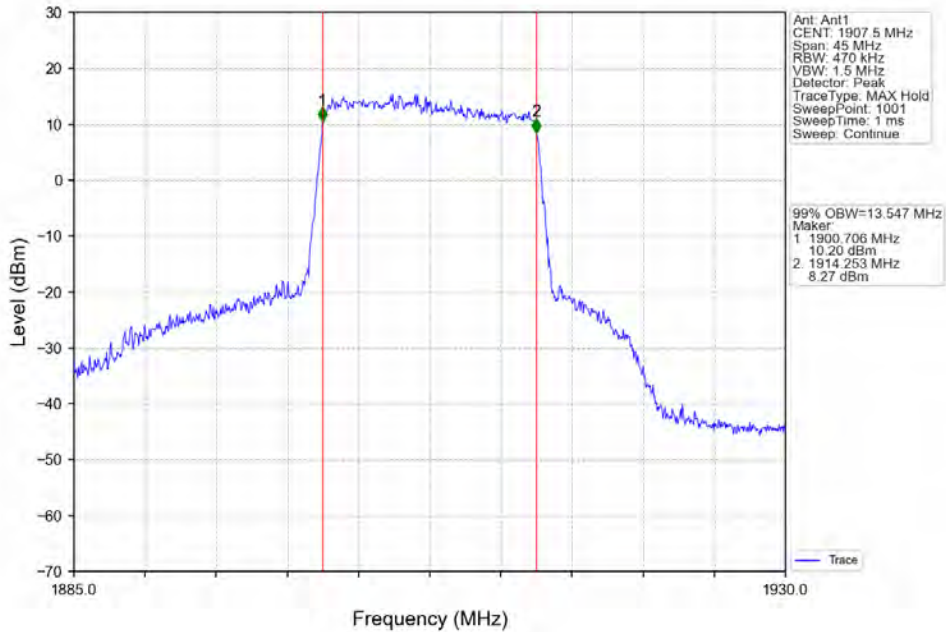


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Band25_15MHz_QPSK_HCH_1907.5MHz_RB_75_0_NTNV



Band25_15MHz_16QAM_LCH_1857.5MHz_RB_75_0_NTNV



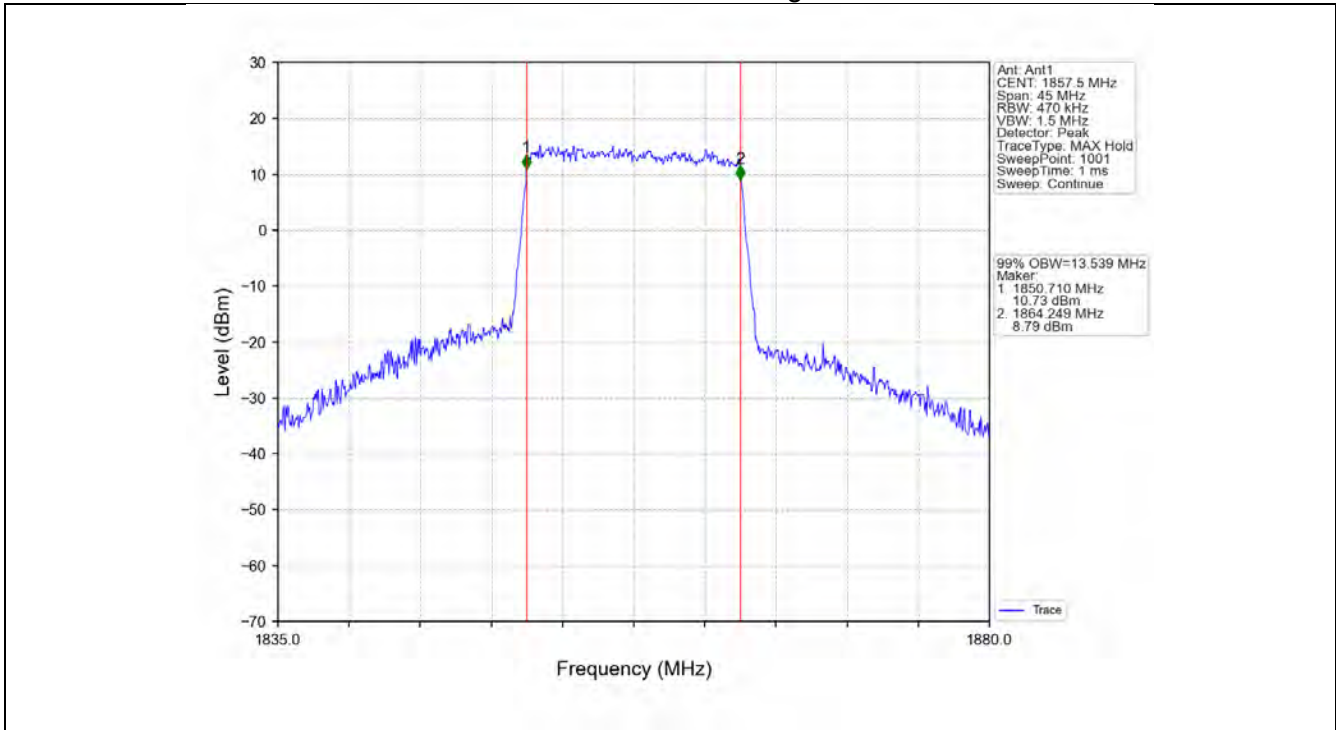
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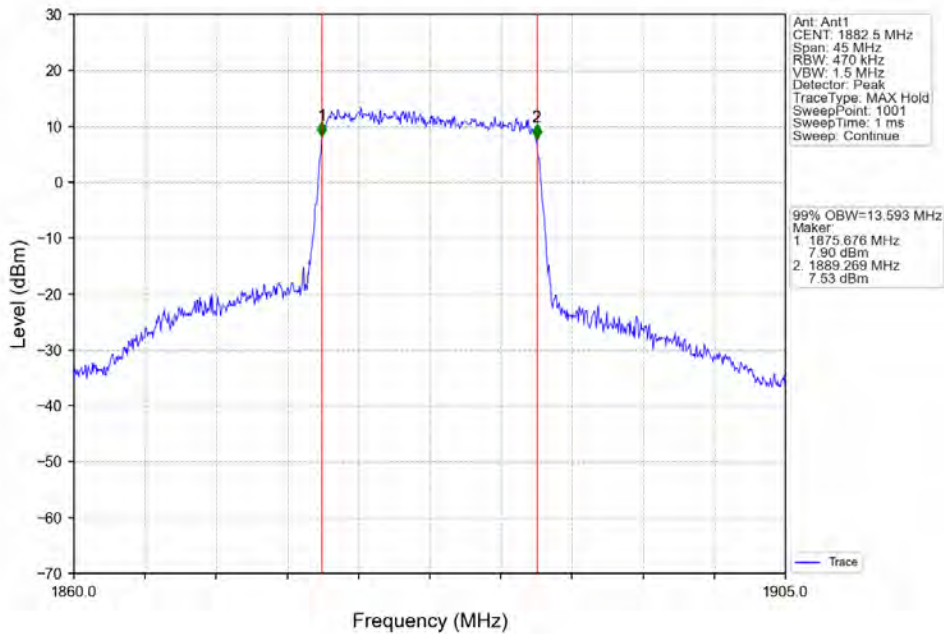


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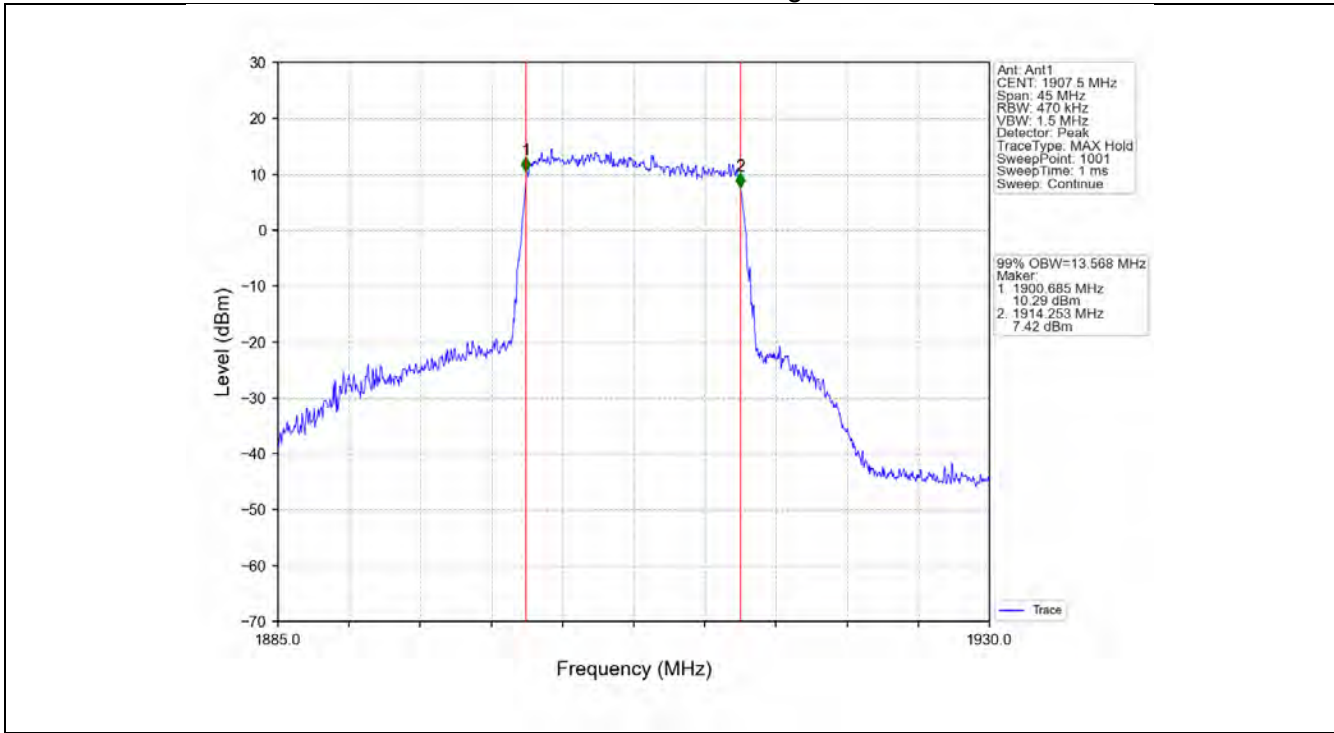
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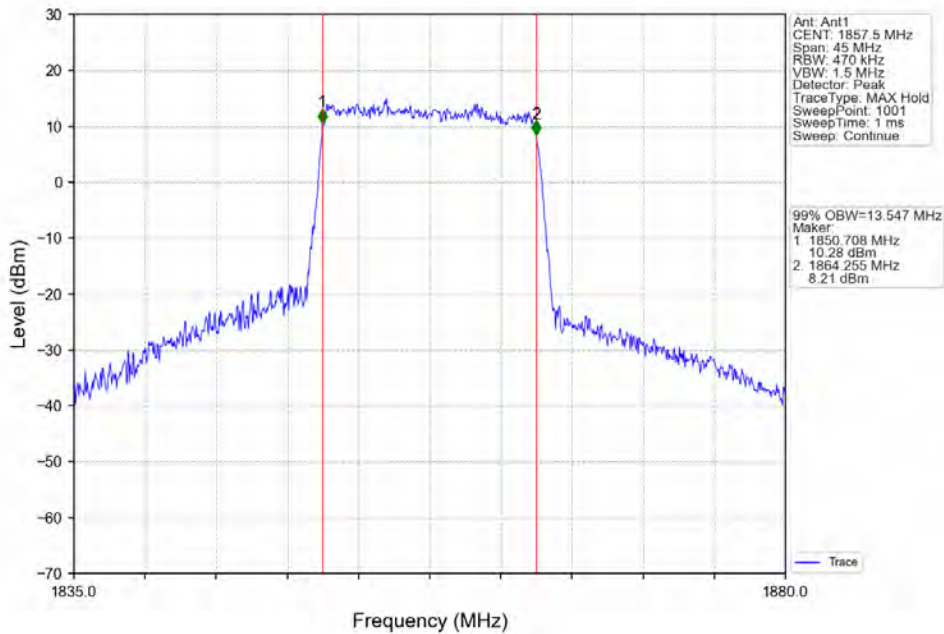


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Band25_15MHz_64QAM_LCH_1857.5MHz_RB_75_0_NTNV



Band25_15MHz_64QAM_MCH_1882.5MHz_RB_75_0_NTNV

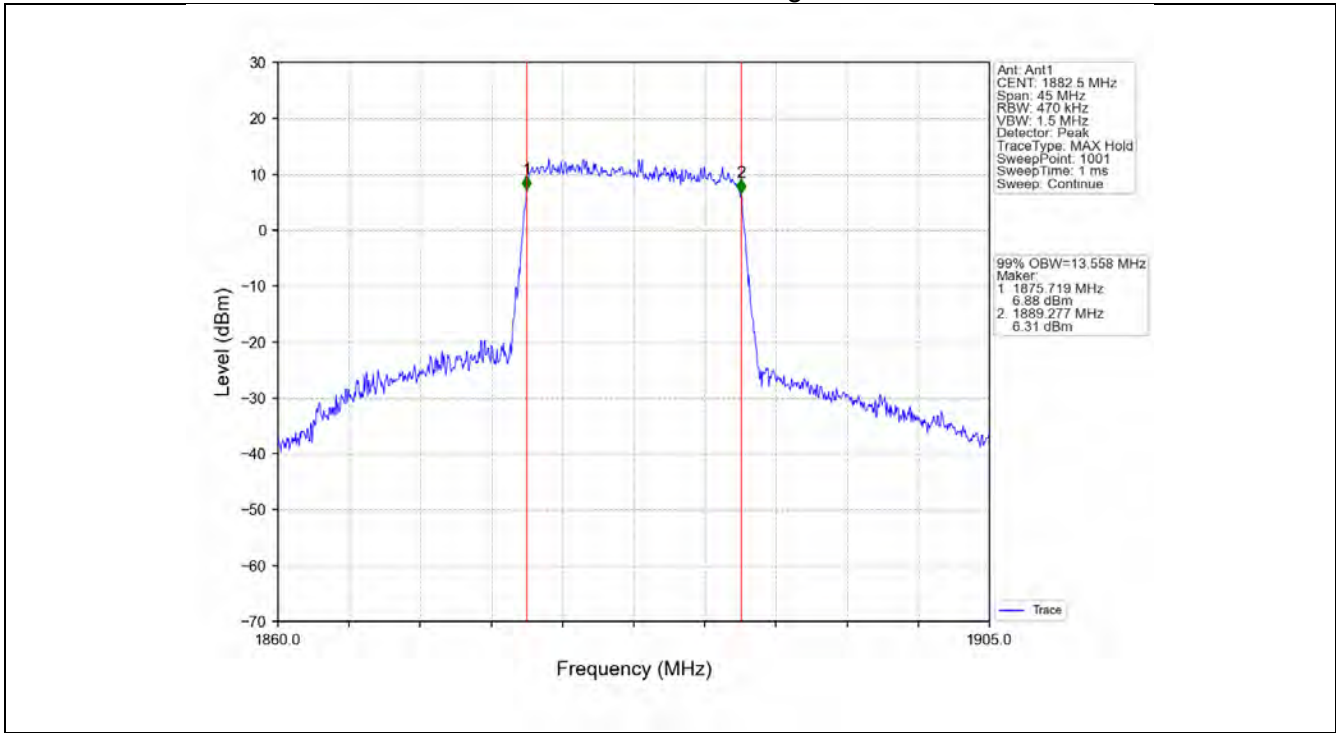


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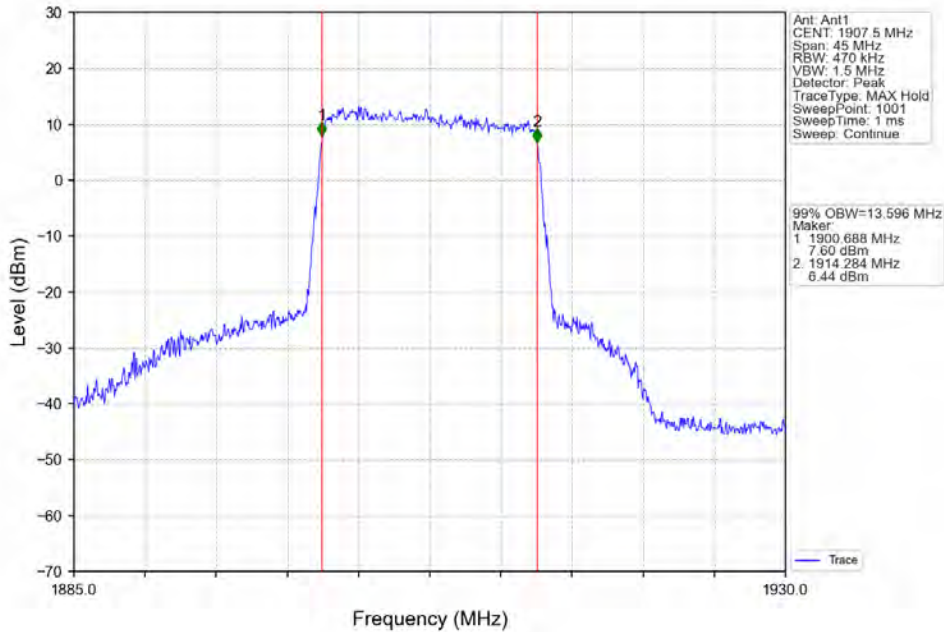


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Band25_20MHz_QPSK_LCH_1860MHz_RB_100_0_NTNV

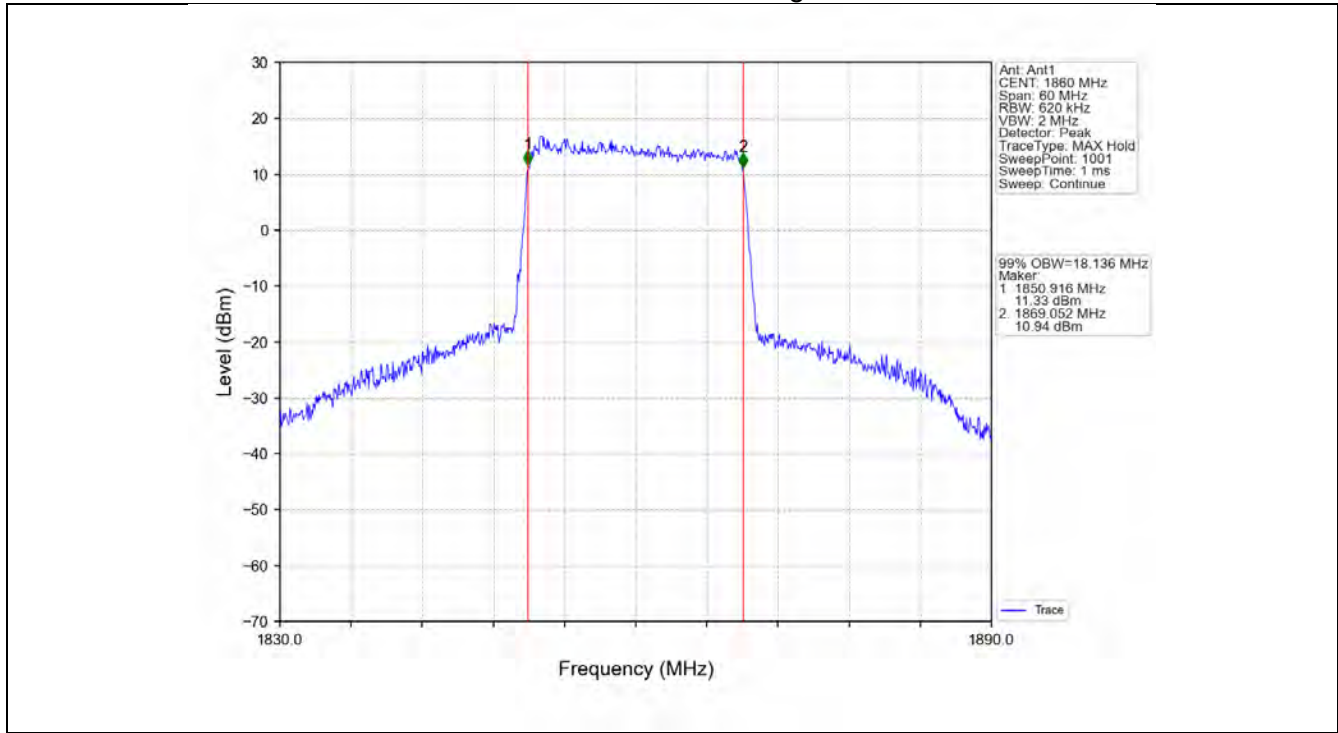


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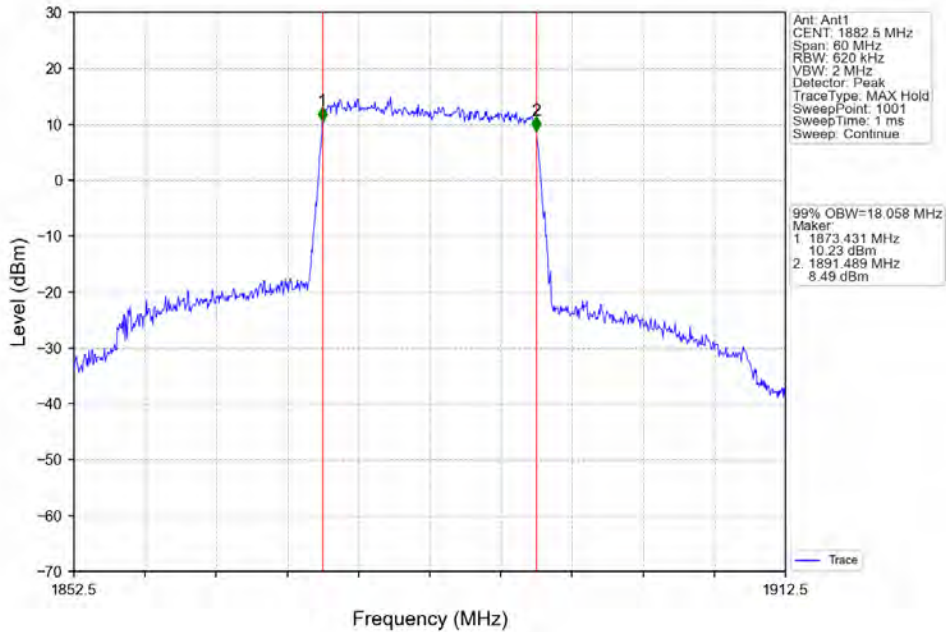


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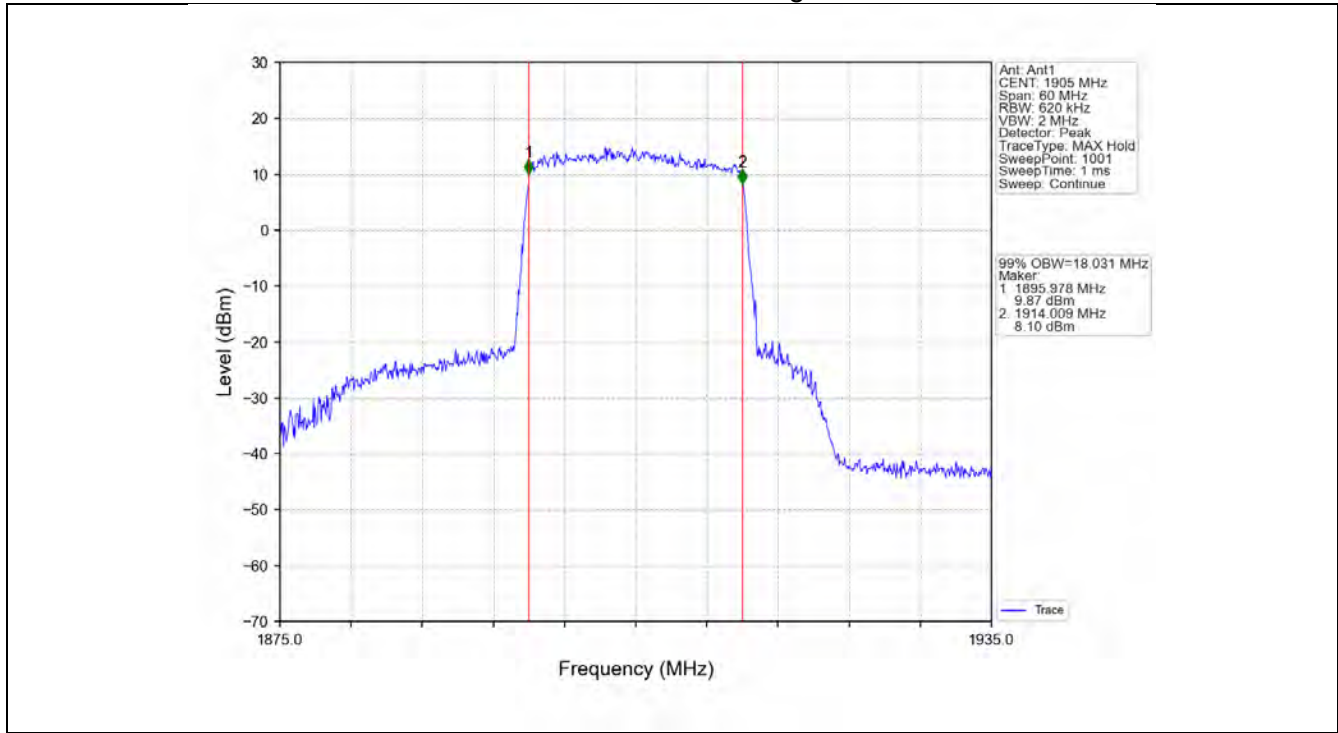
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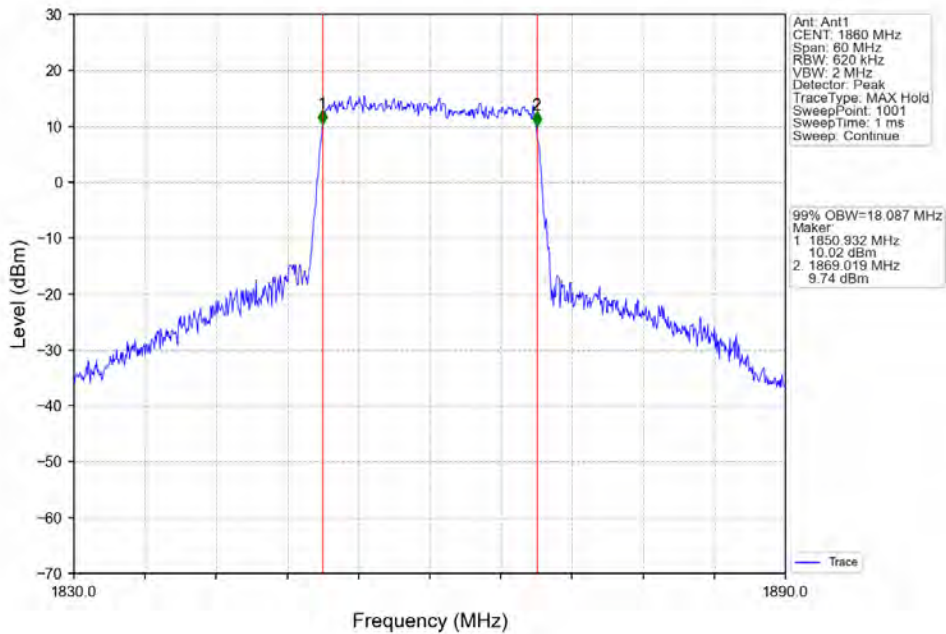


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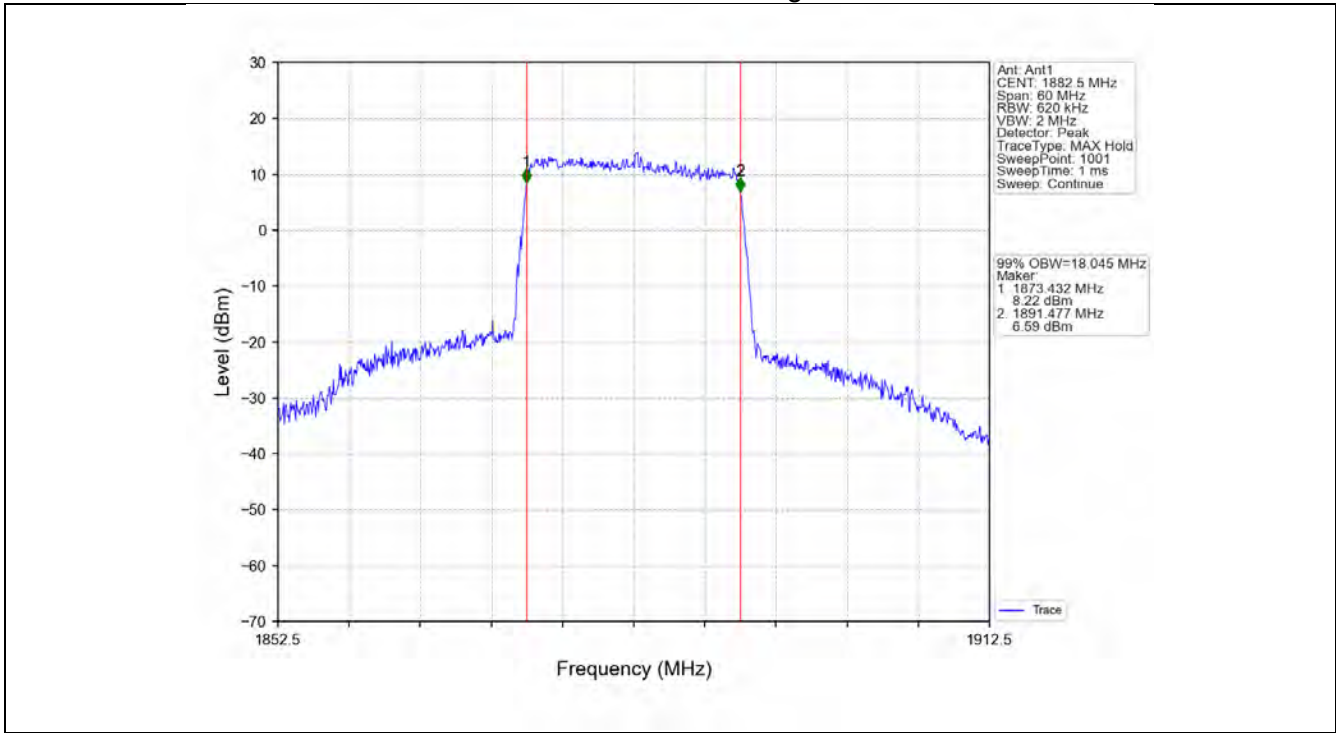
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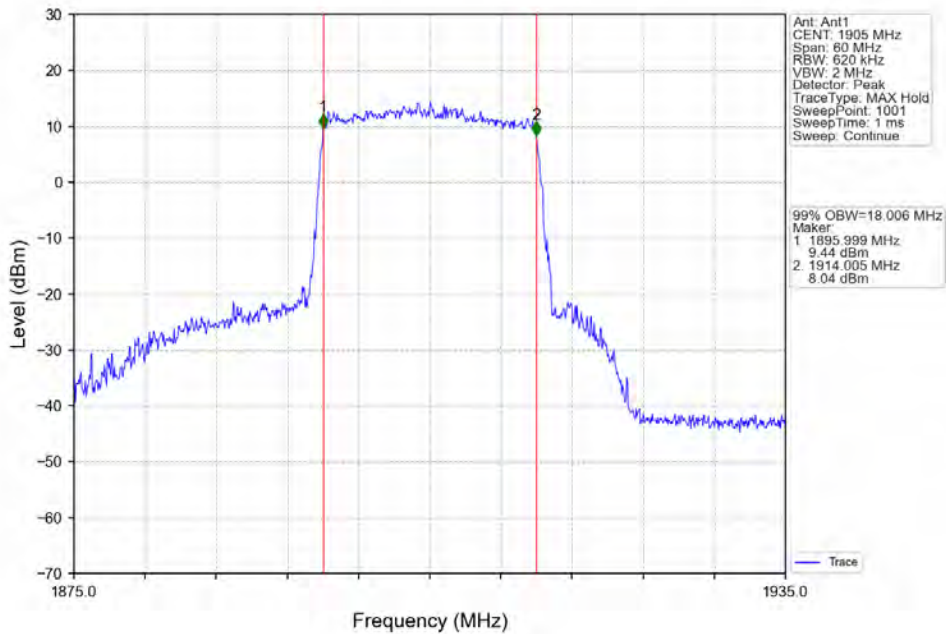


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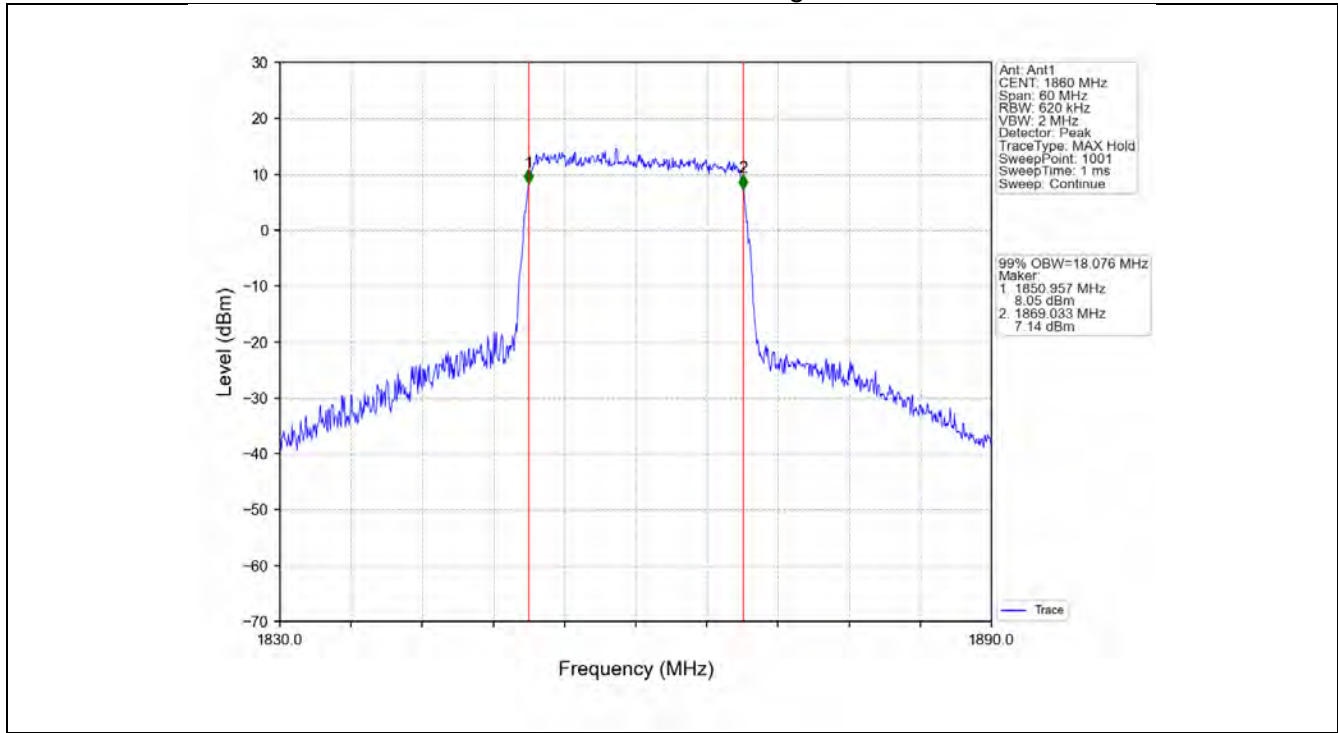
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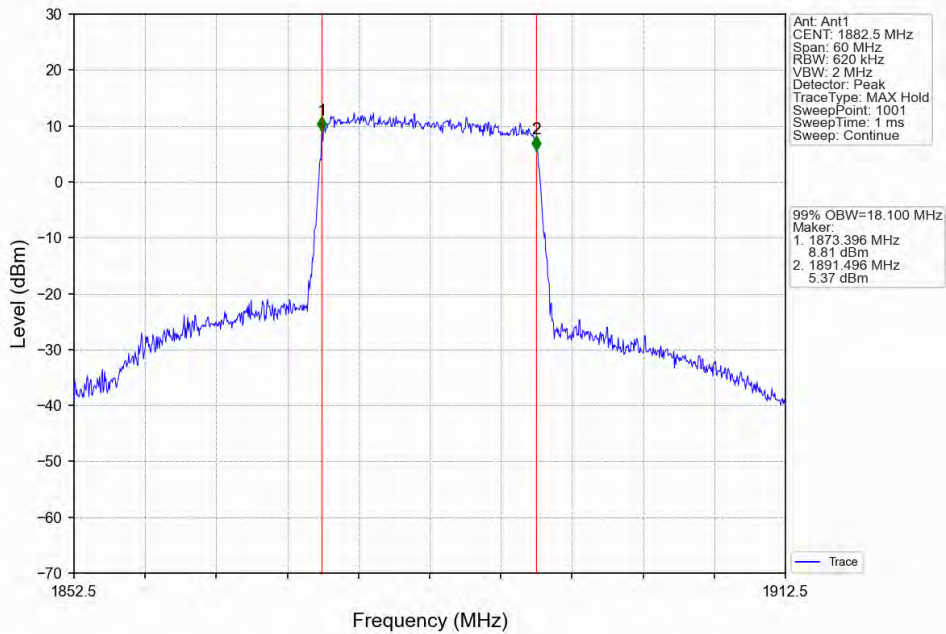


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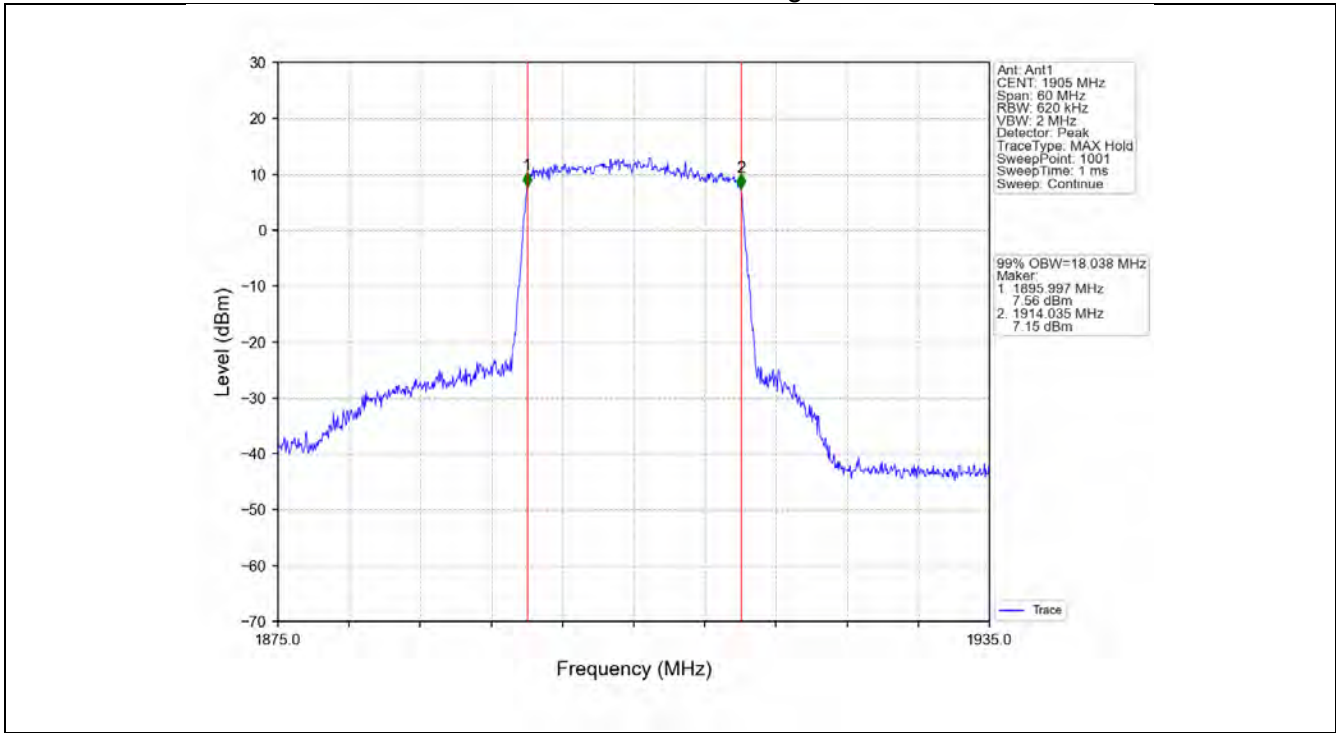
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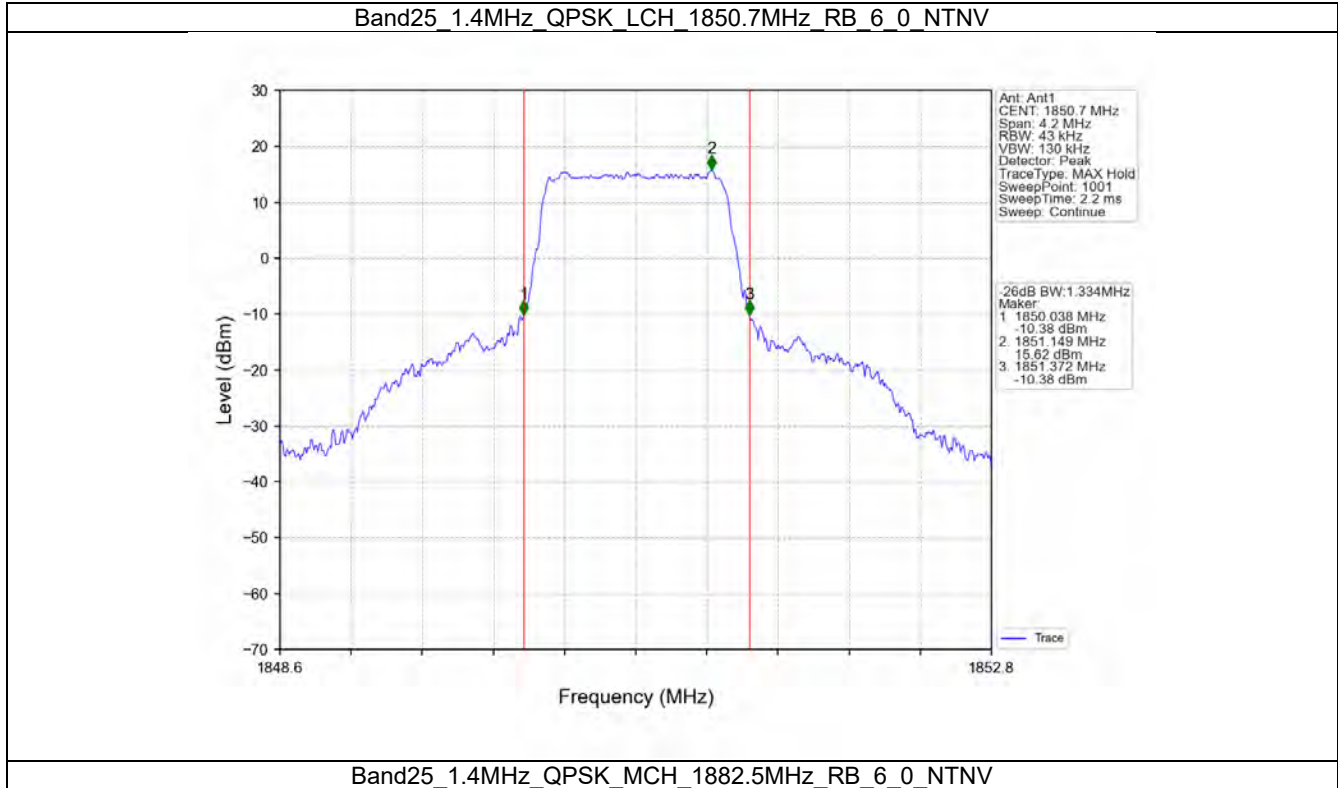
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3.2 Band25_XDB

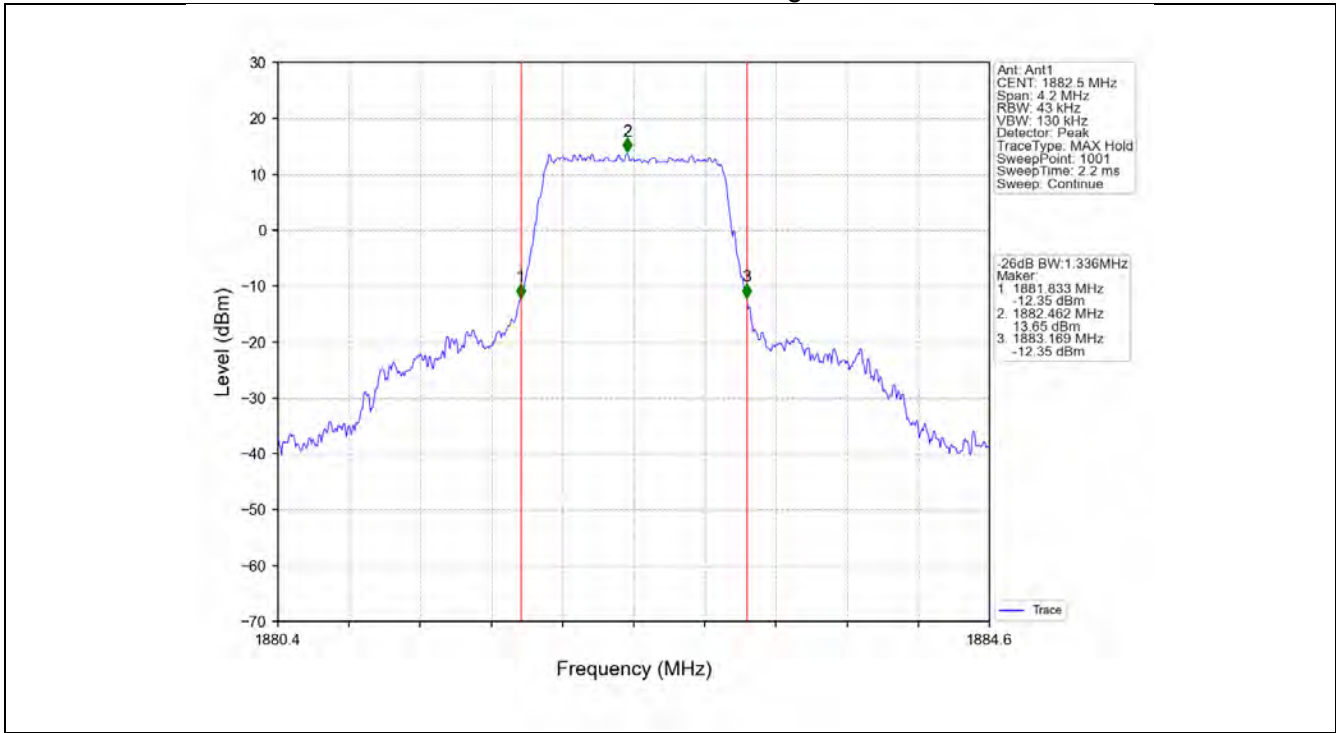
3.2.2 Test Graph



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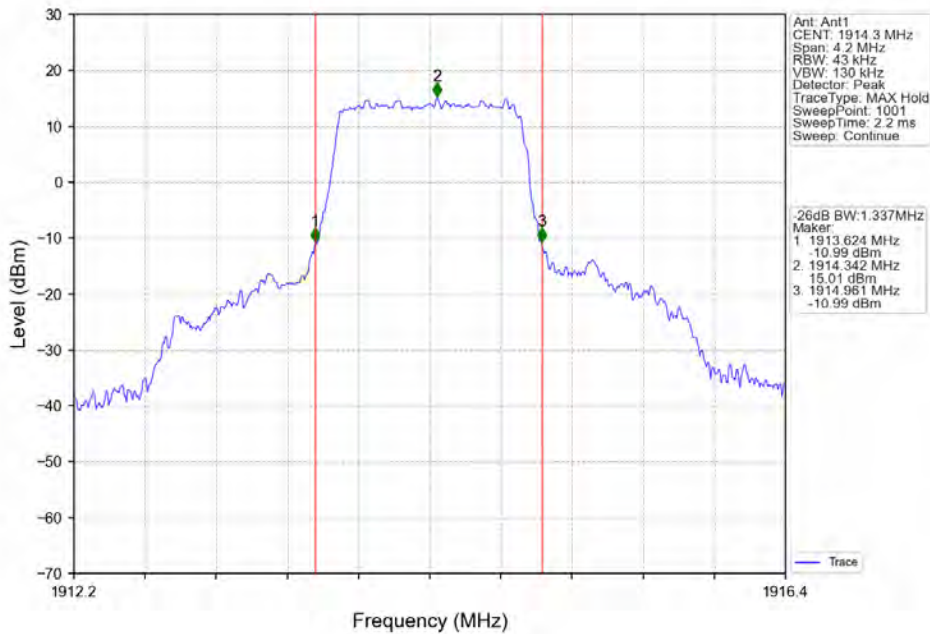


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Band25 1.4MHz QPSK HCH 1914.3MHz RB 6 0 NTN



Band25 1.4MHz 16QAM LCH 1850.7MHz RB 6 0 NTN

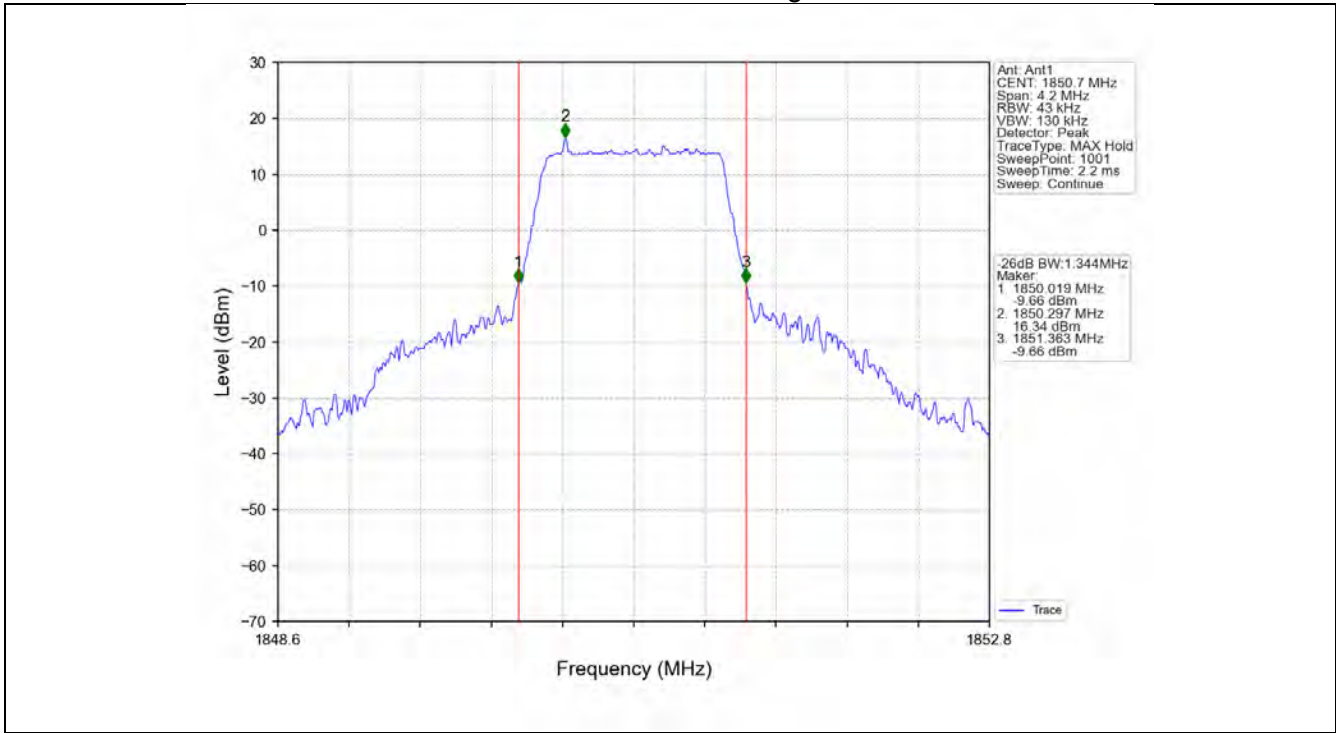


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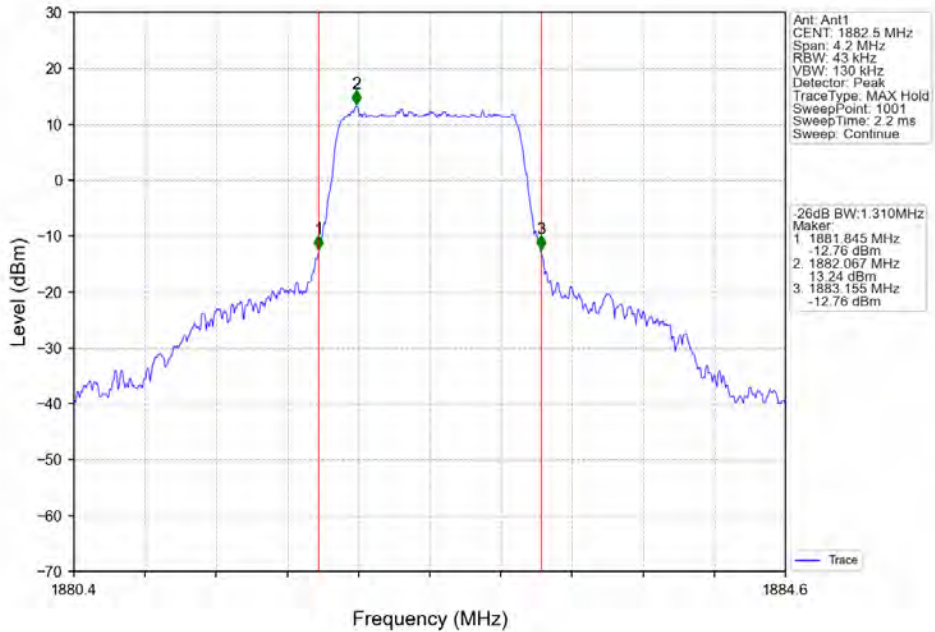


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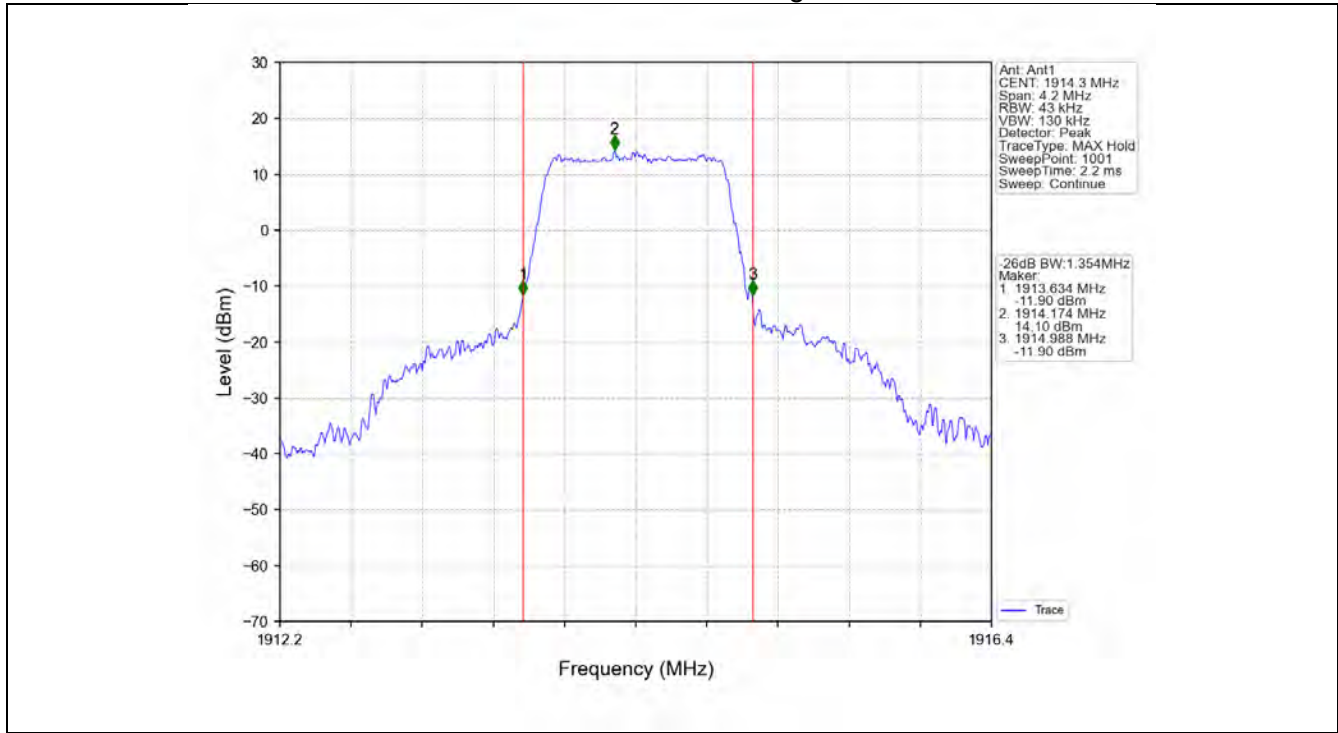


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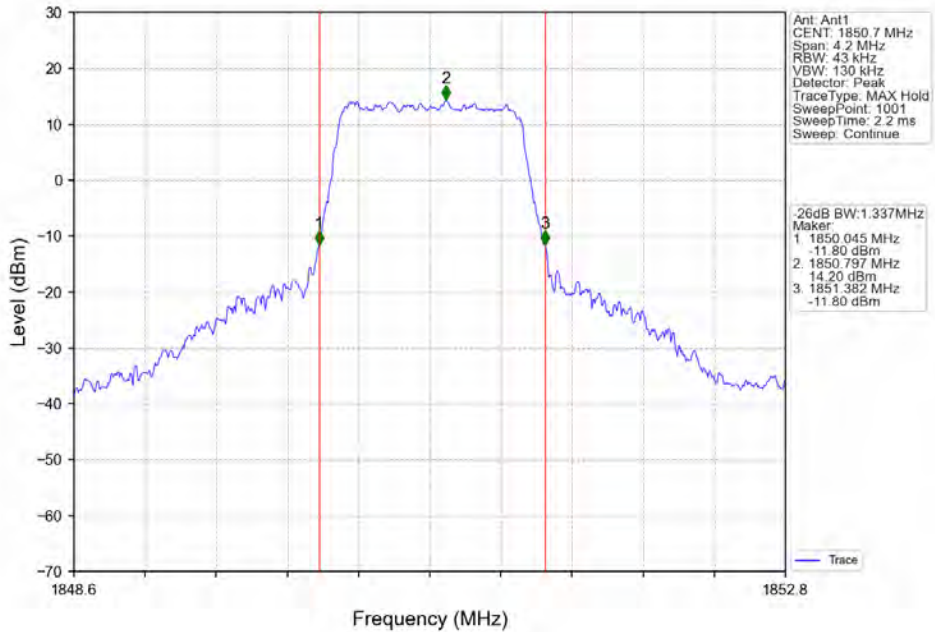


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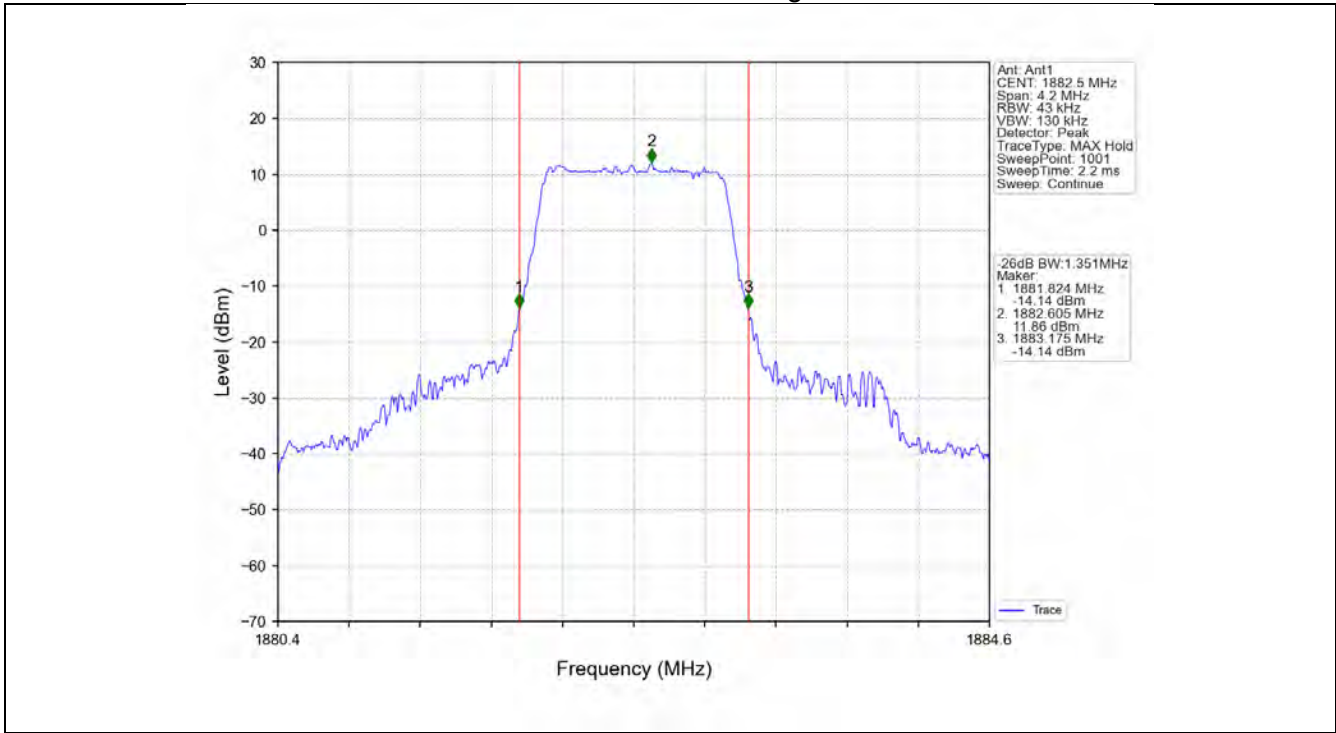
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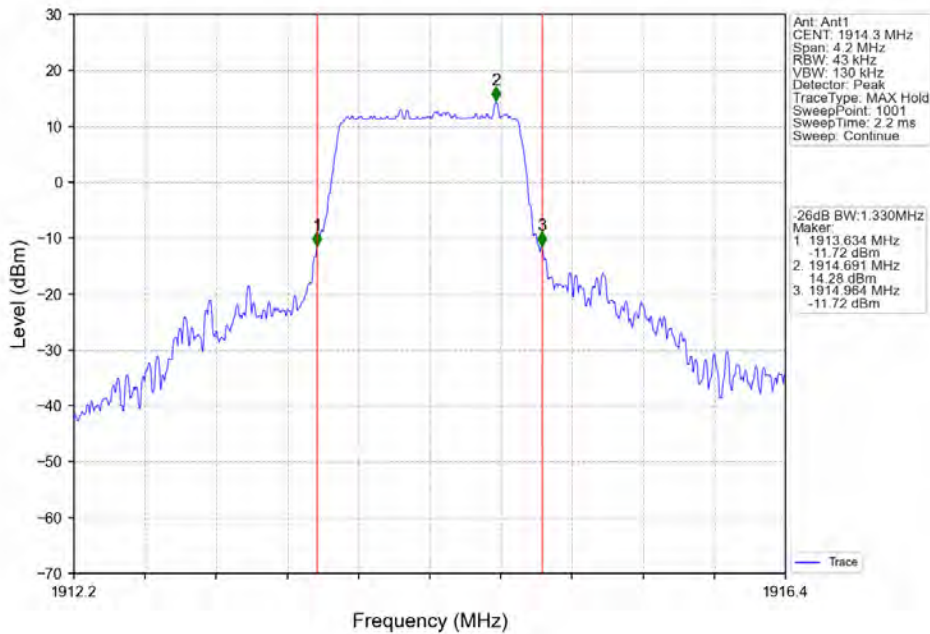


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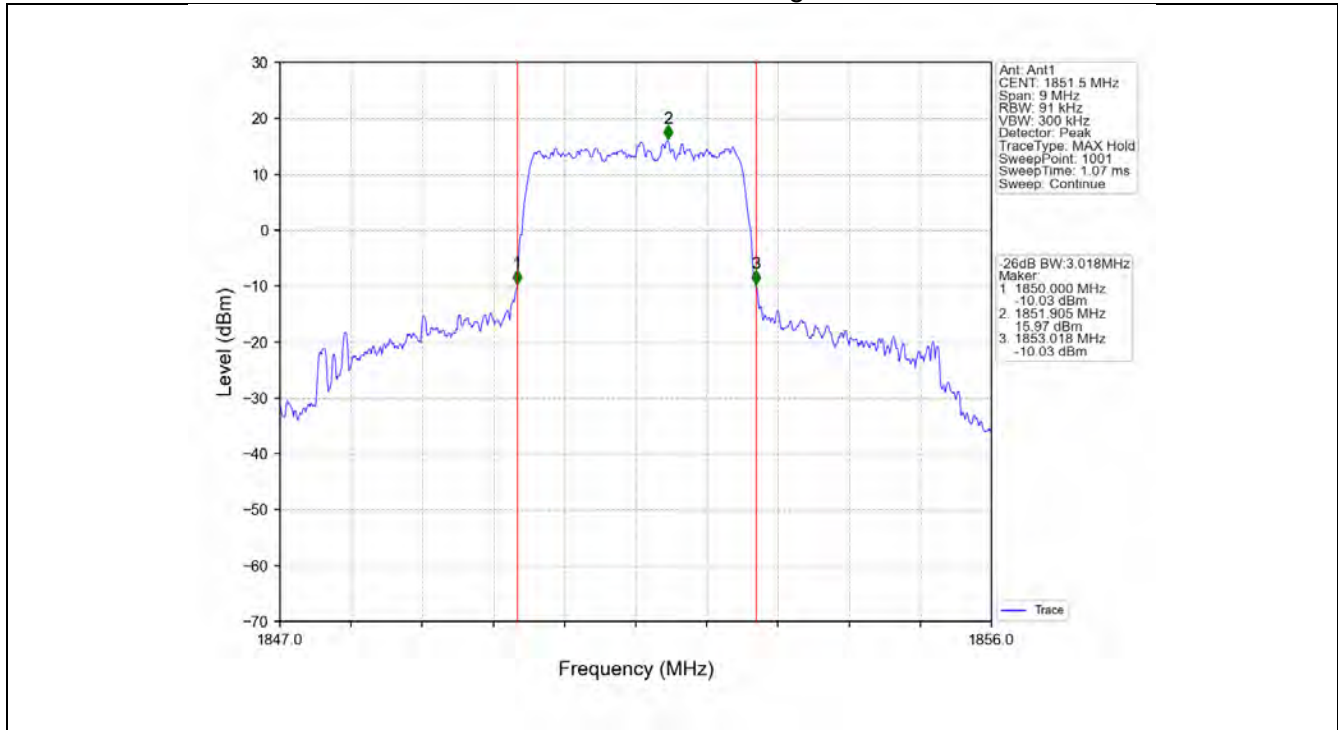
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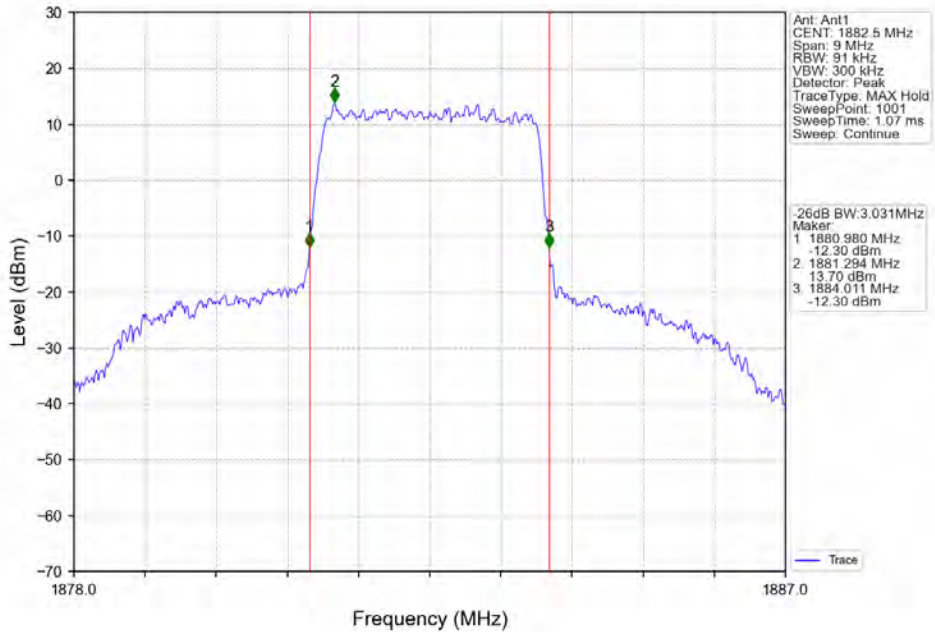


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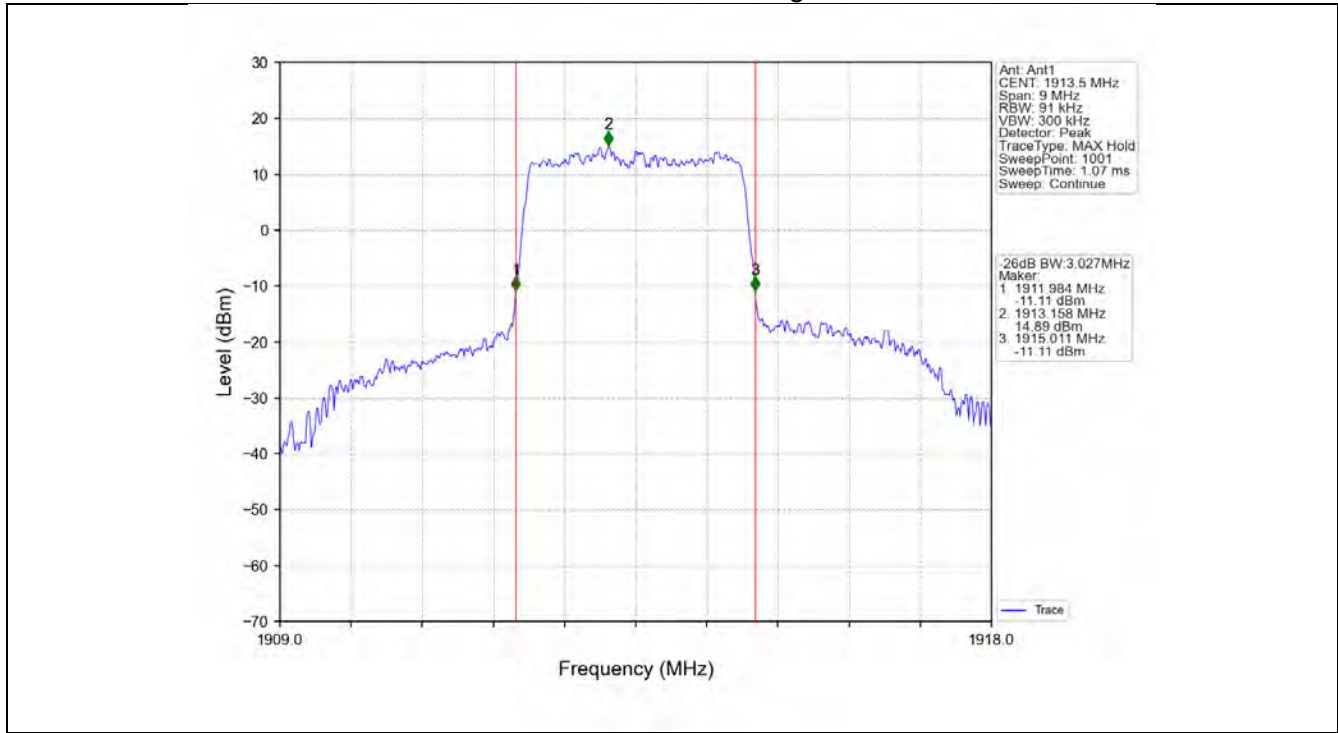
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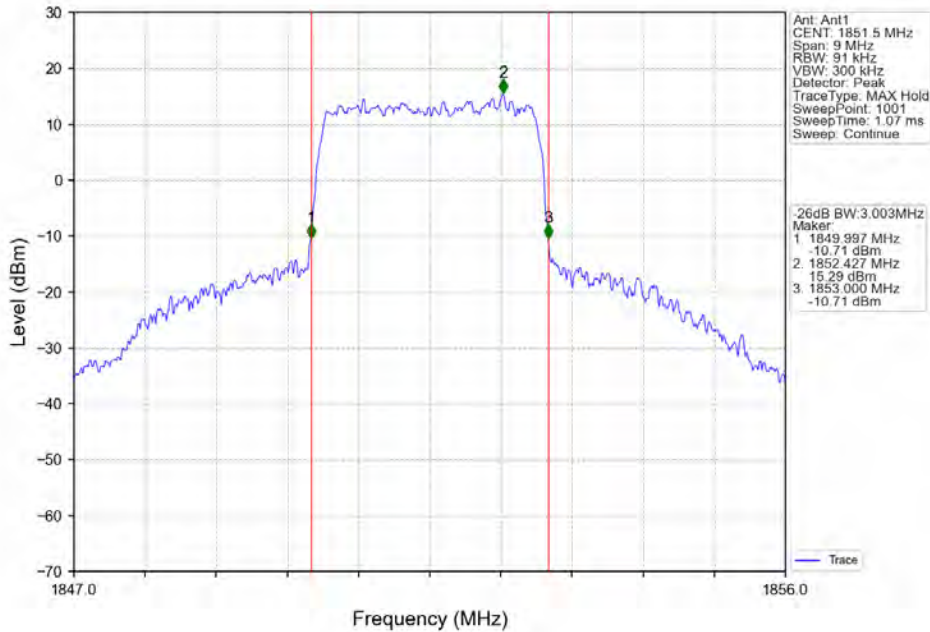


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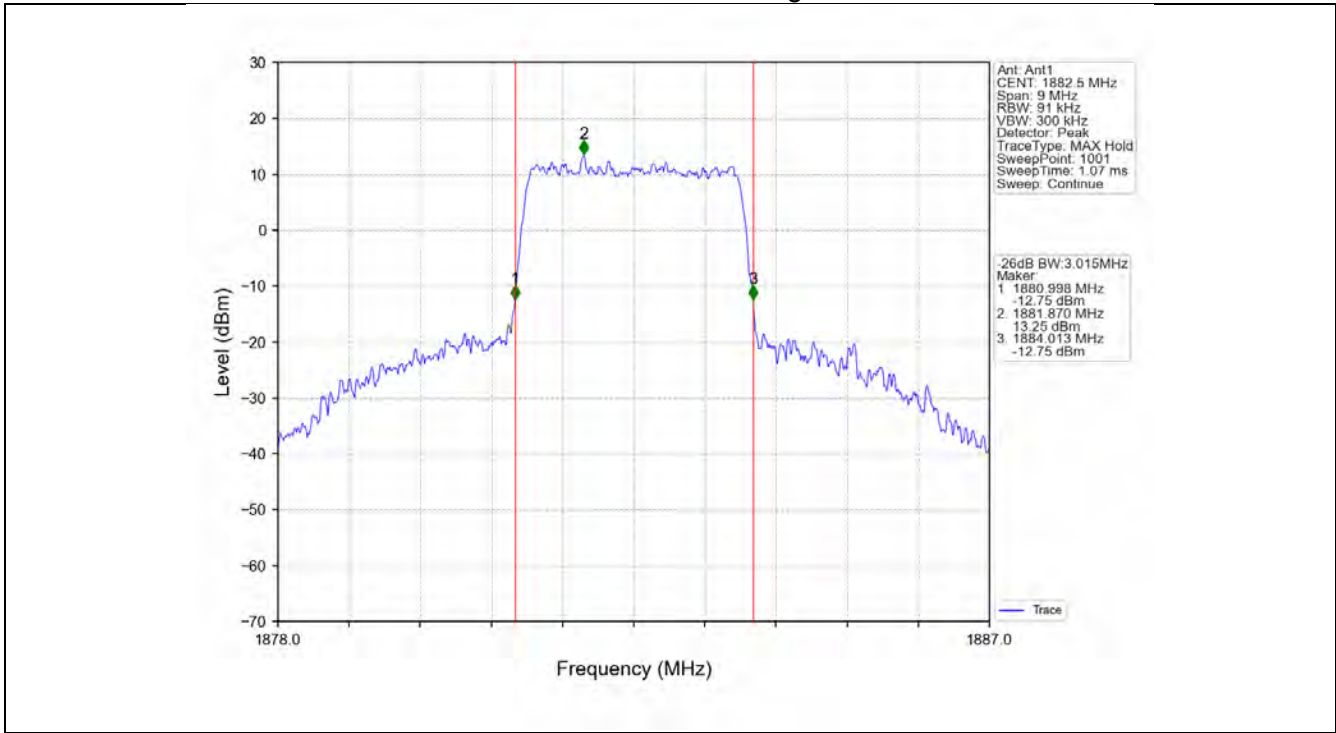
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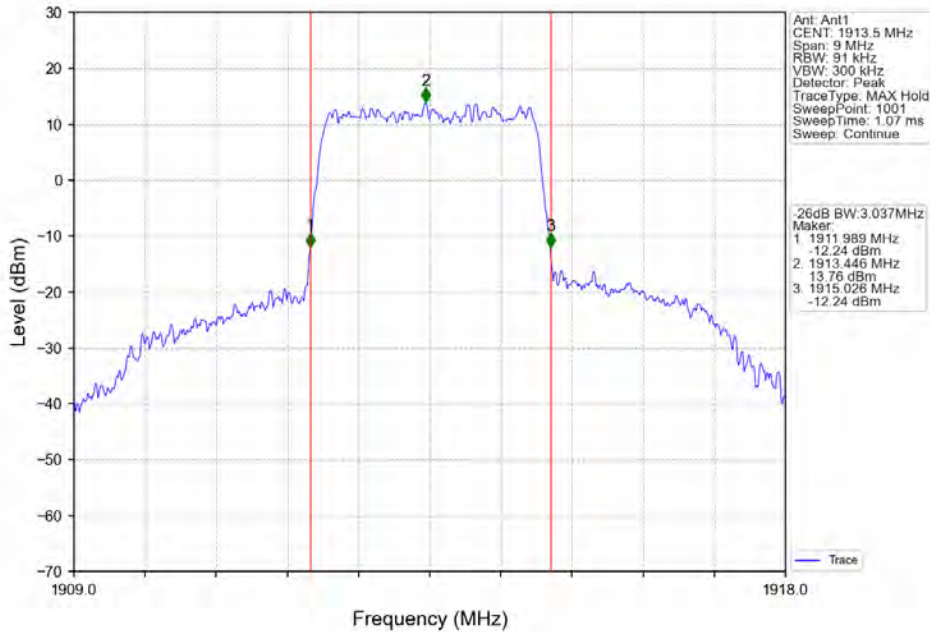


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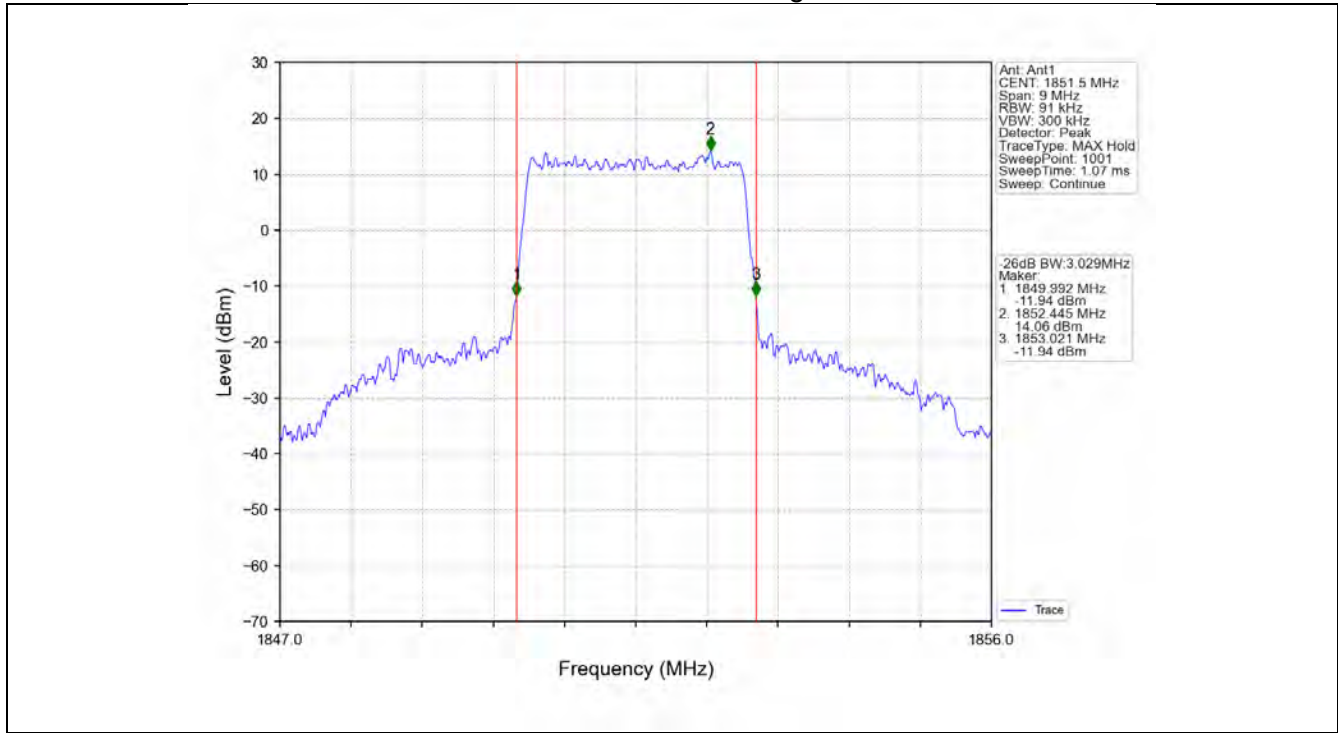
Band25_3MHz_64QAM_LCH_1851.5MHz_RB_15_0_NTNV



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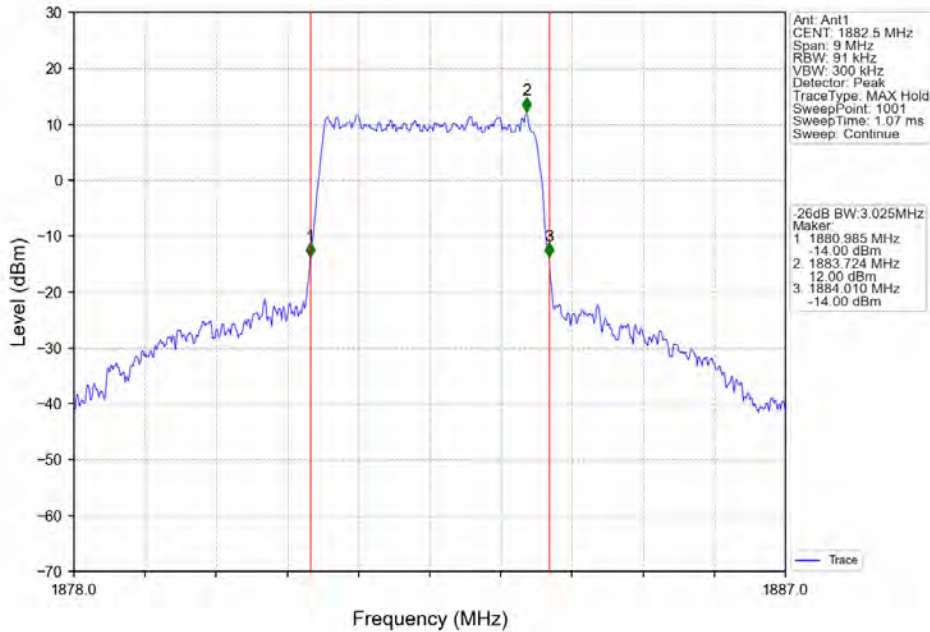


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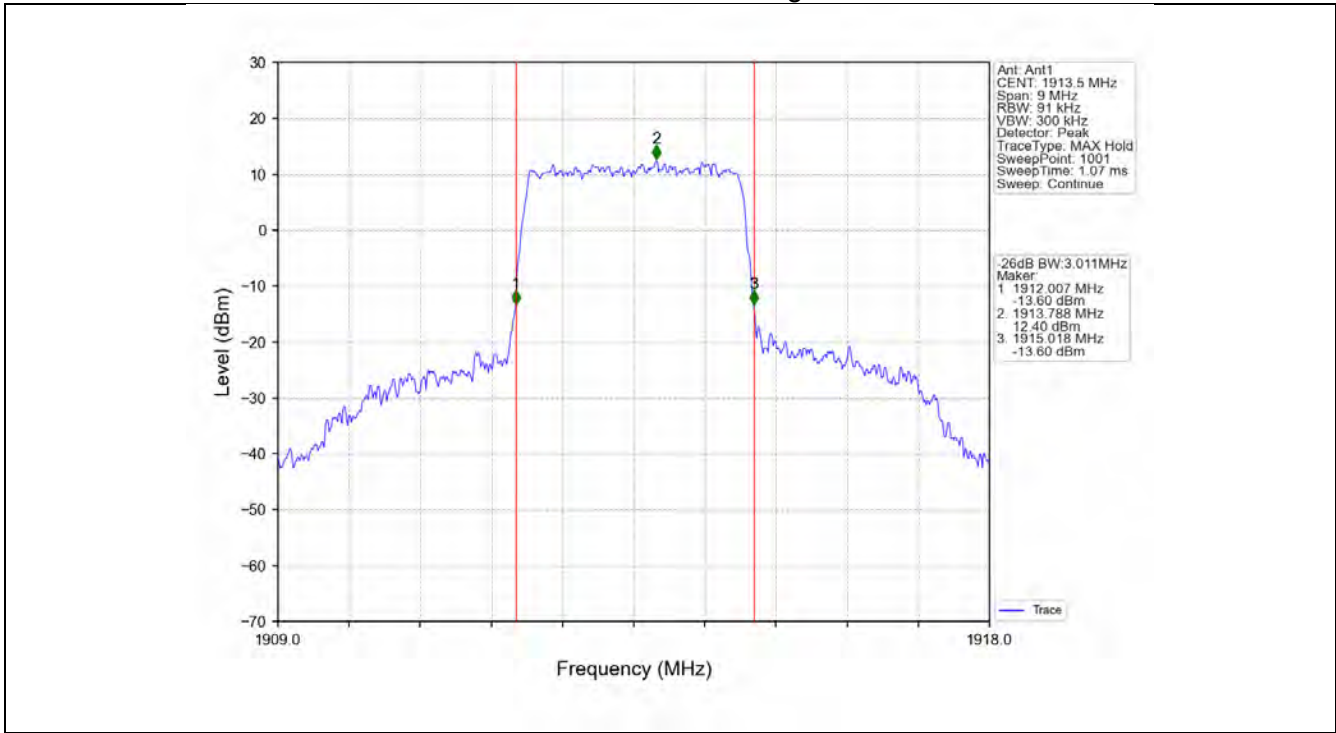


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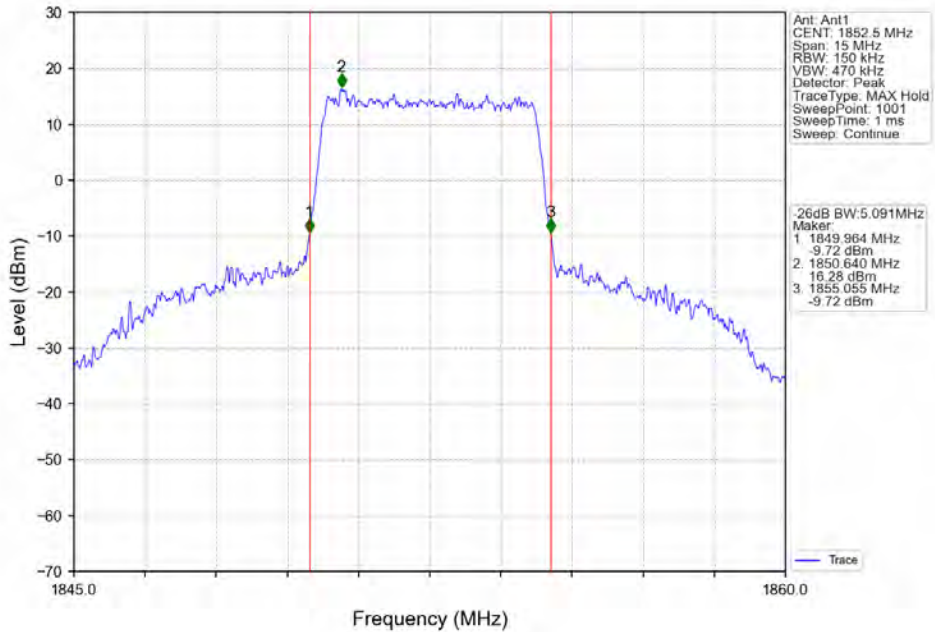


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Band25_5MHz_QPSK_LCH_1852.5MHz_RB_25_0_NTNV



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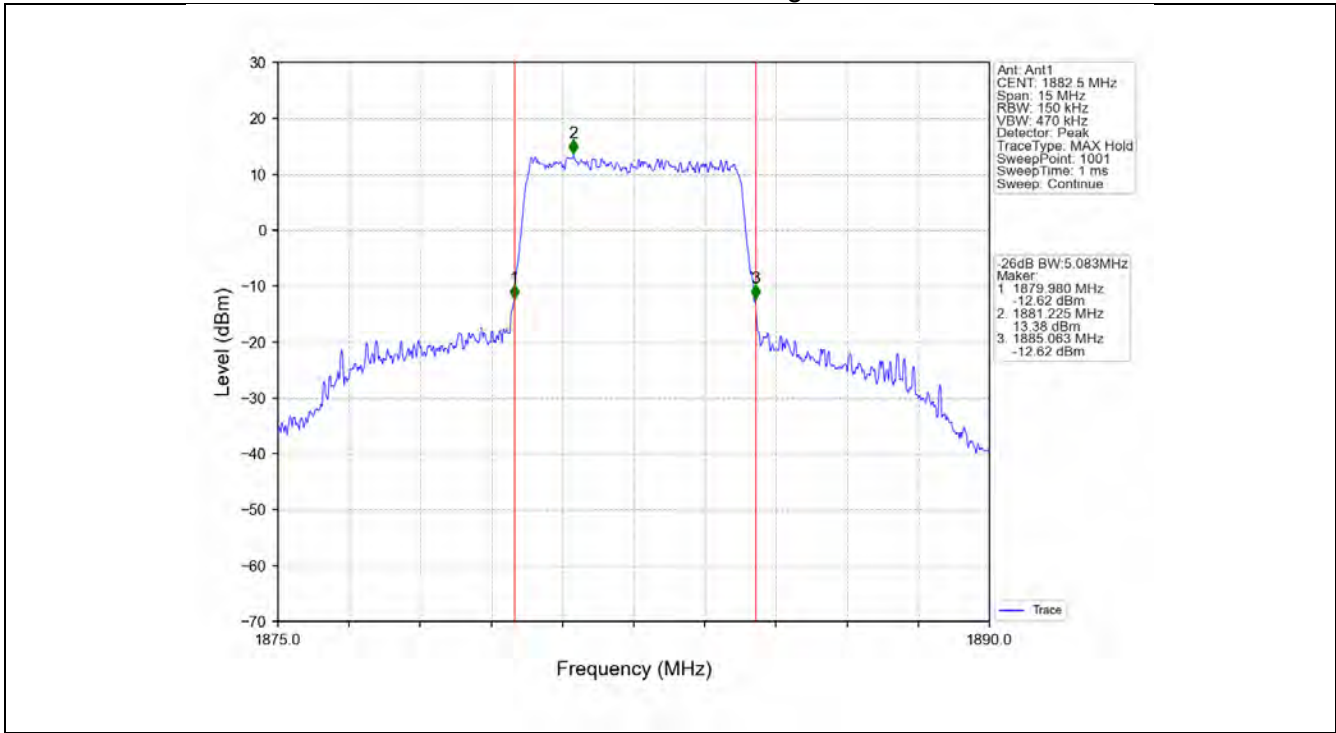


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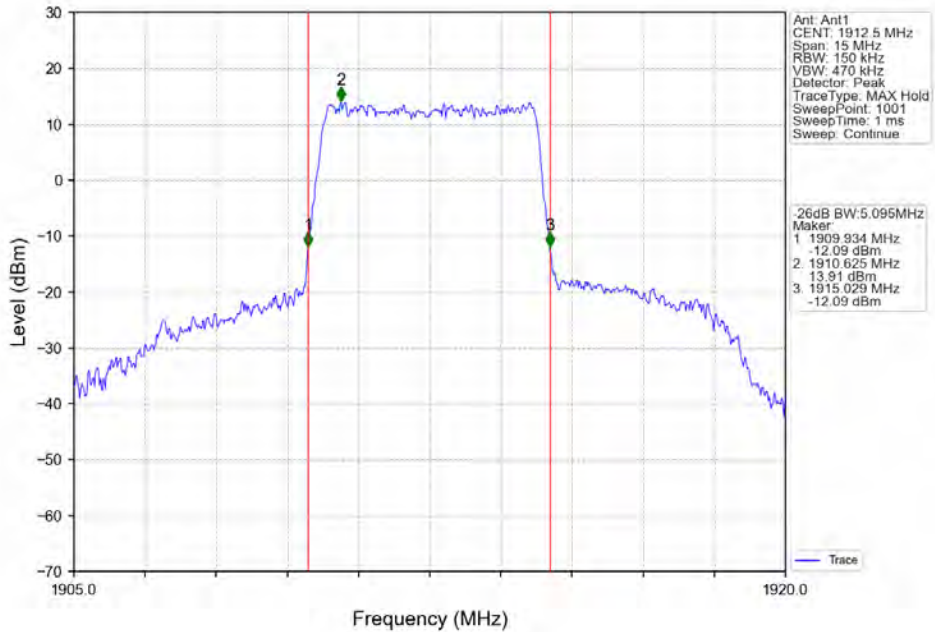


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Band25_5MHz_16QAM_LCH_1852.5MHz_RB_25_0_NTNV



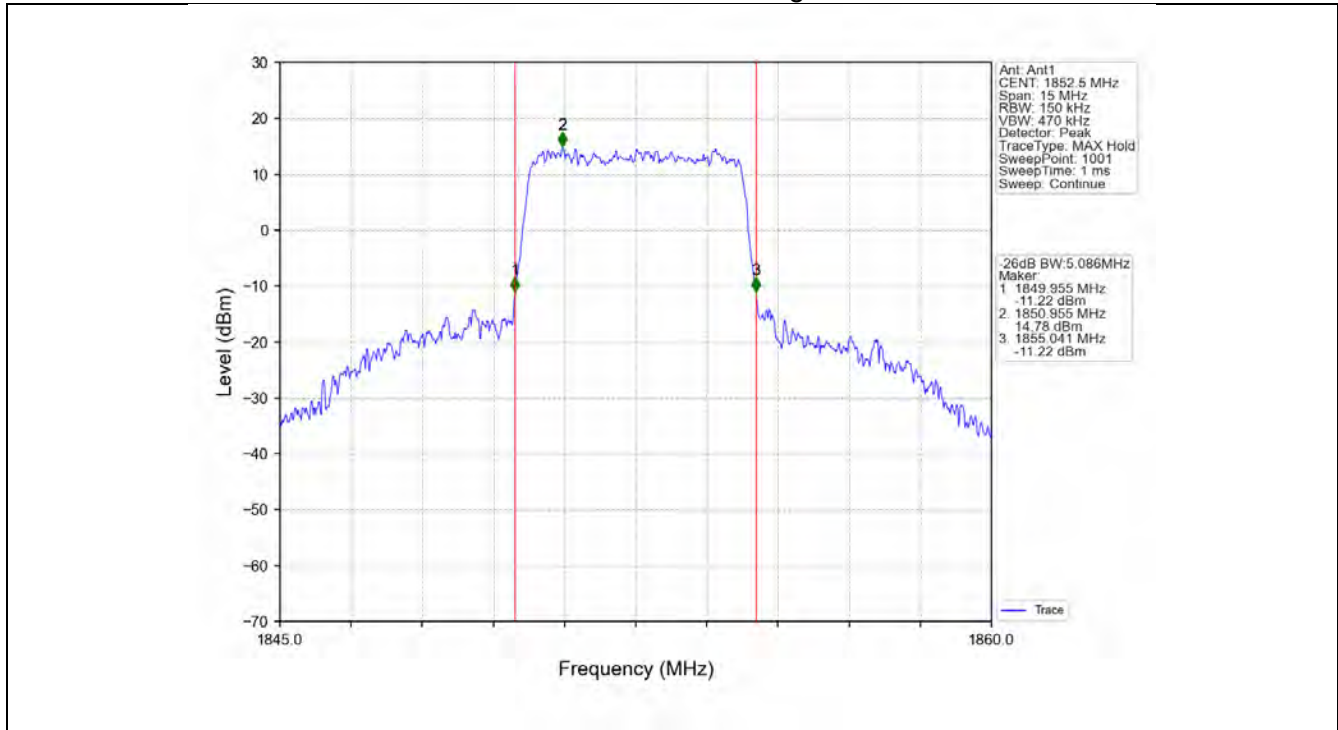
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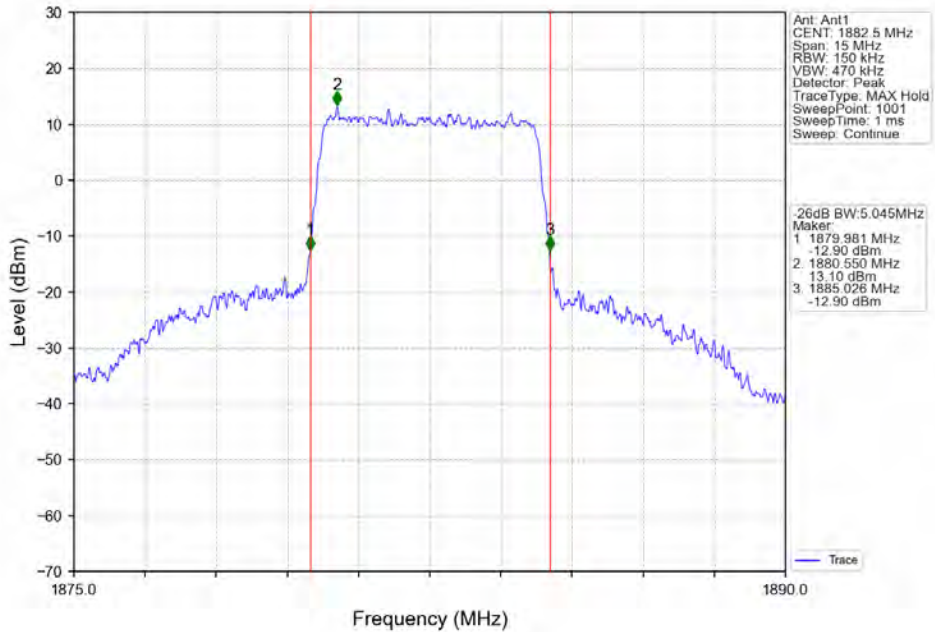


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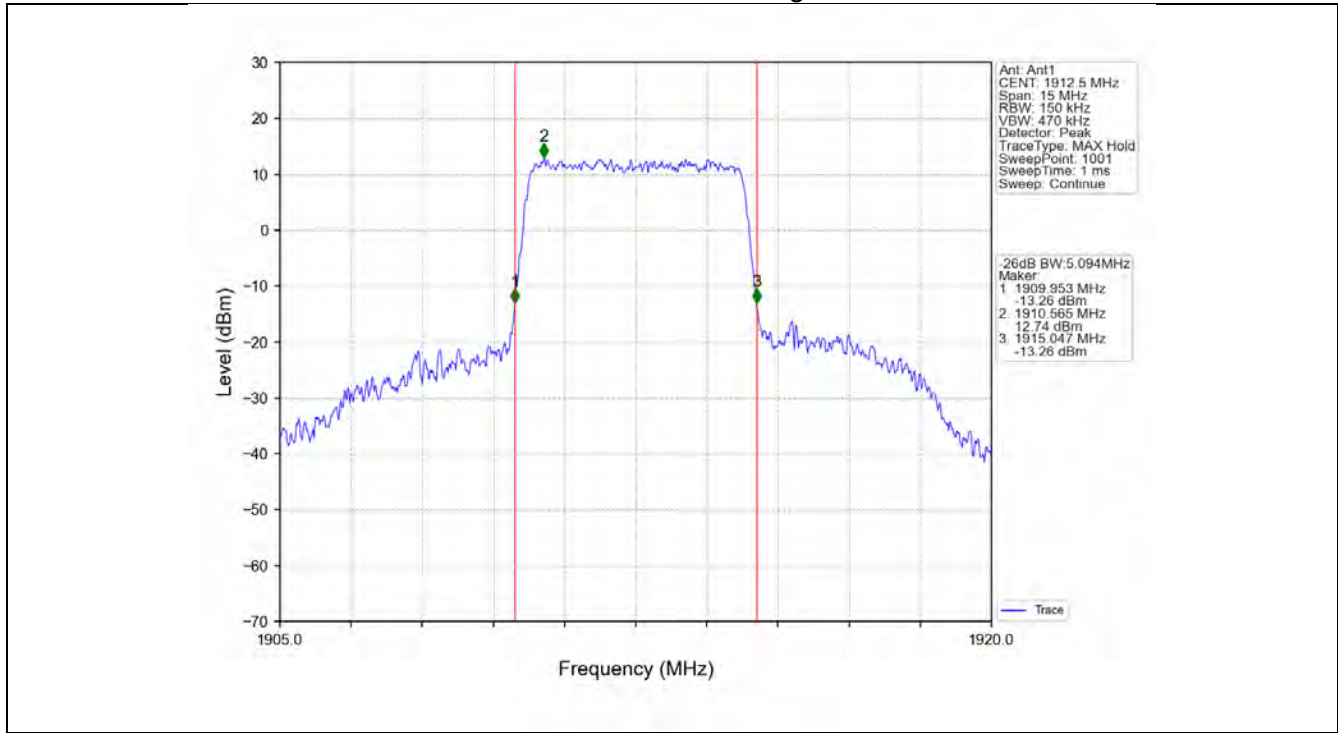
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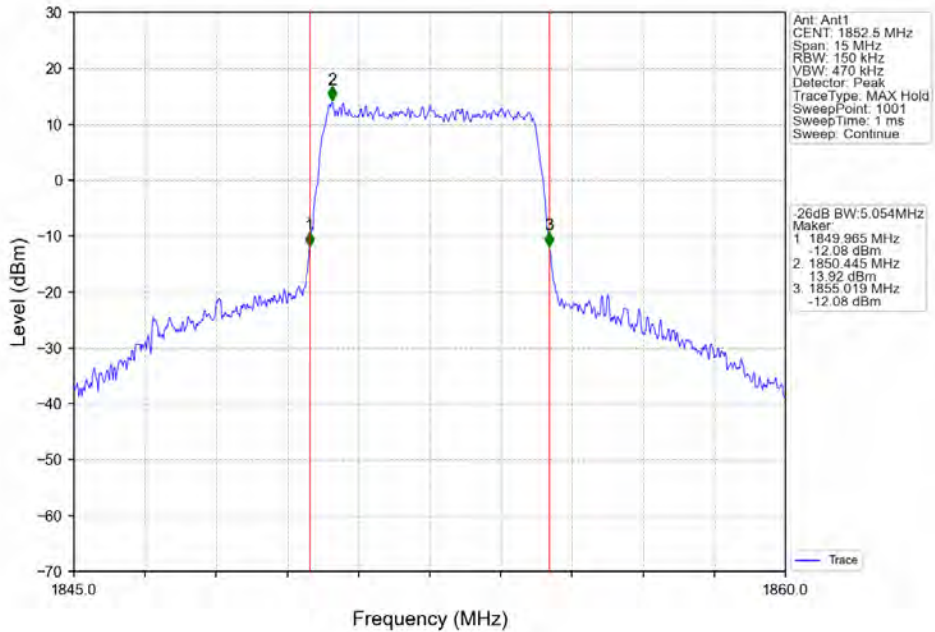


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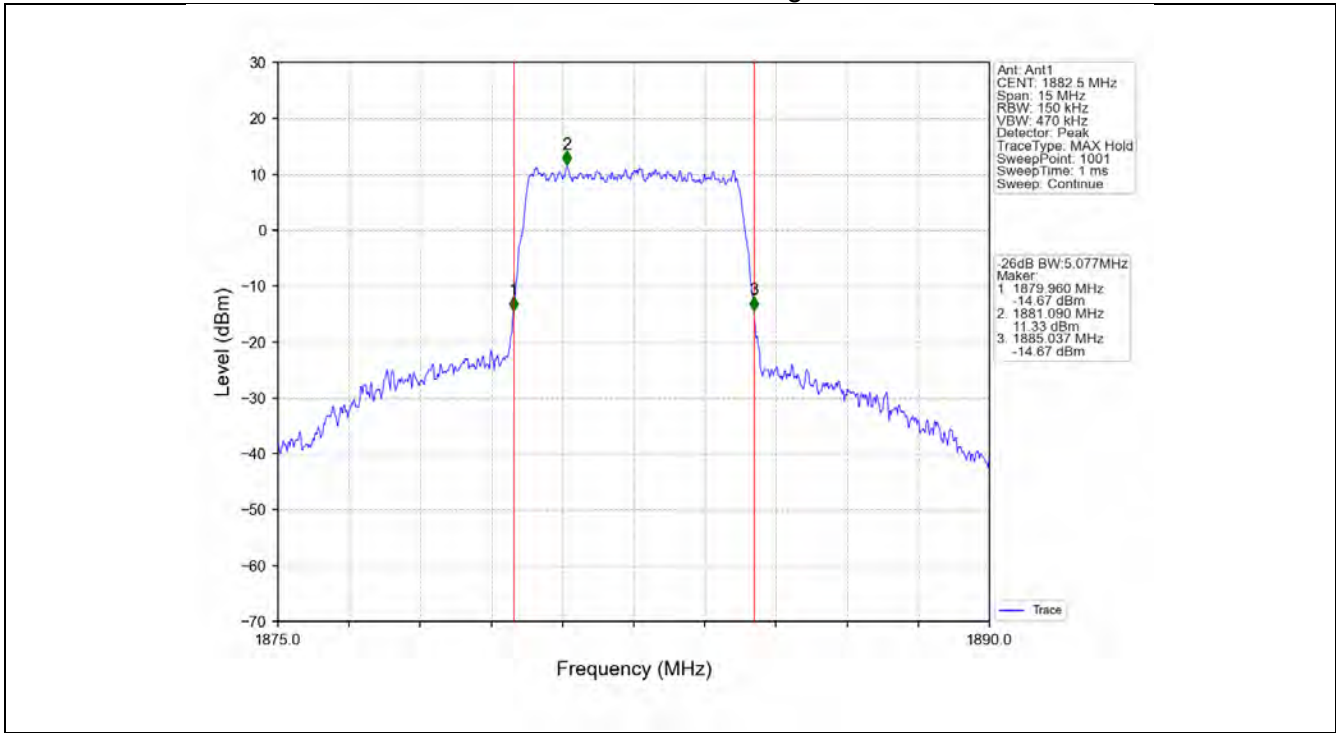
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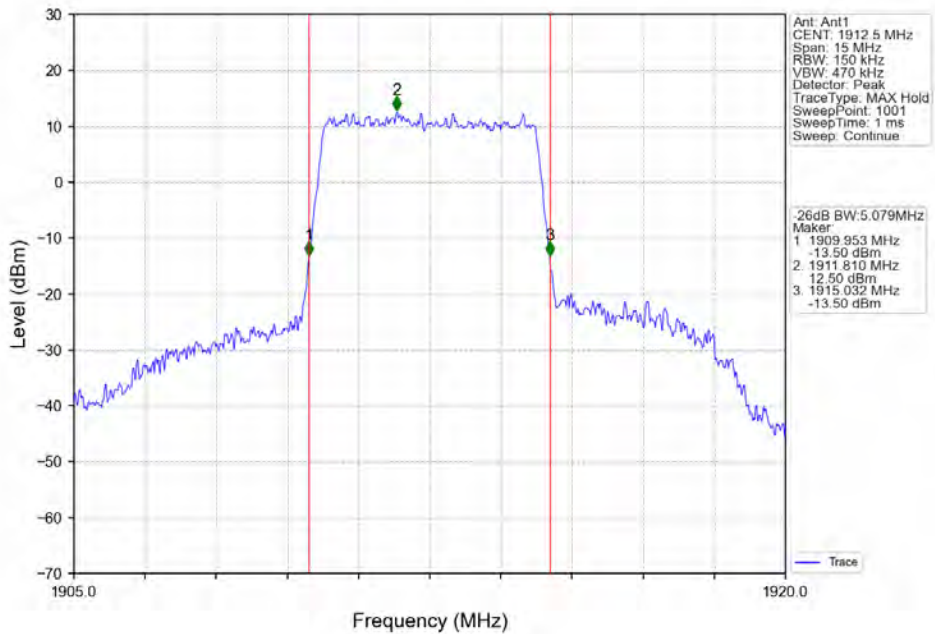


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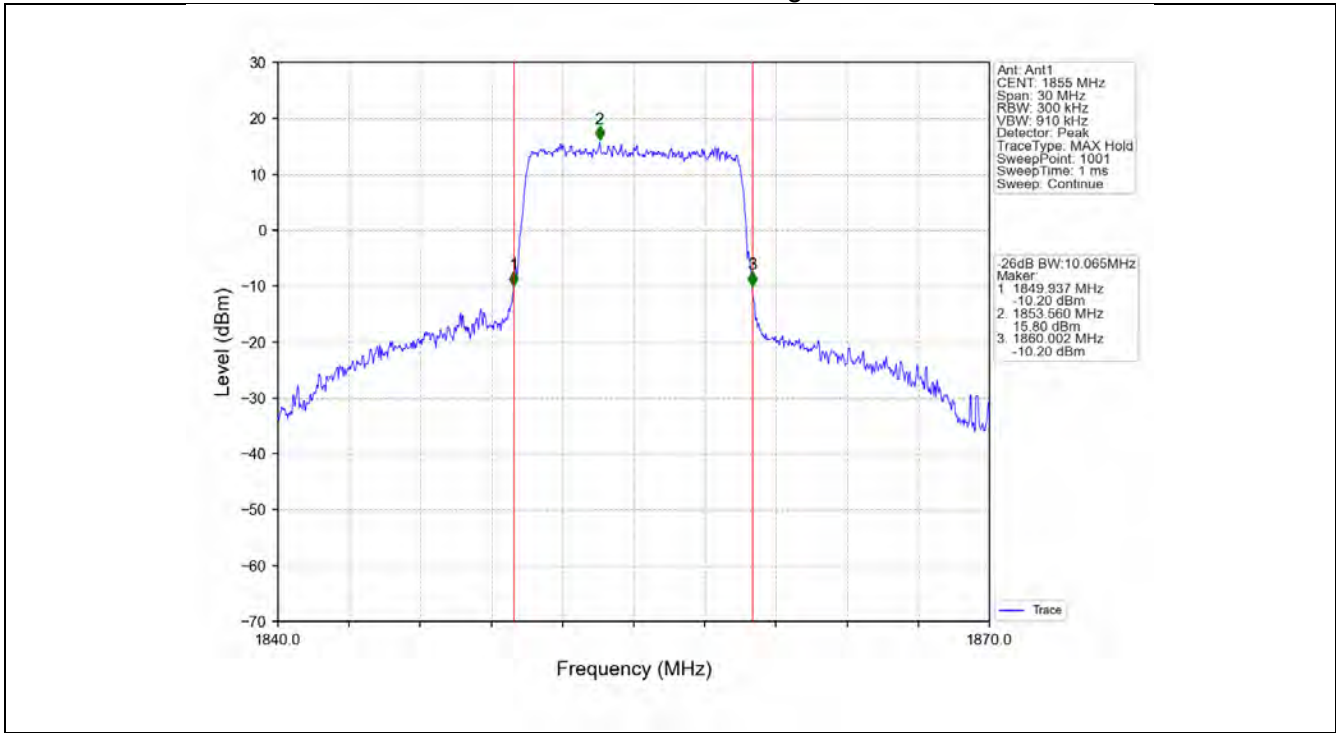
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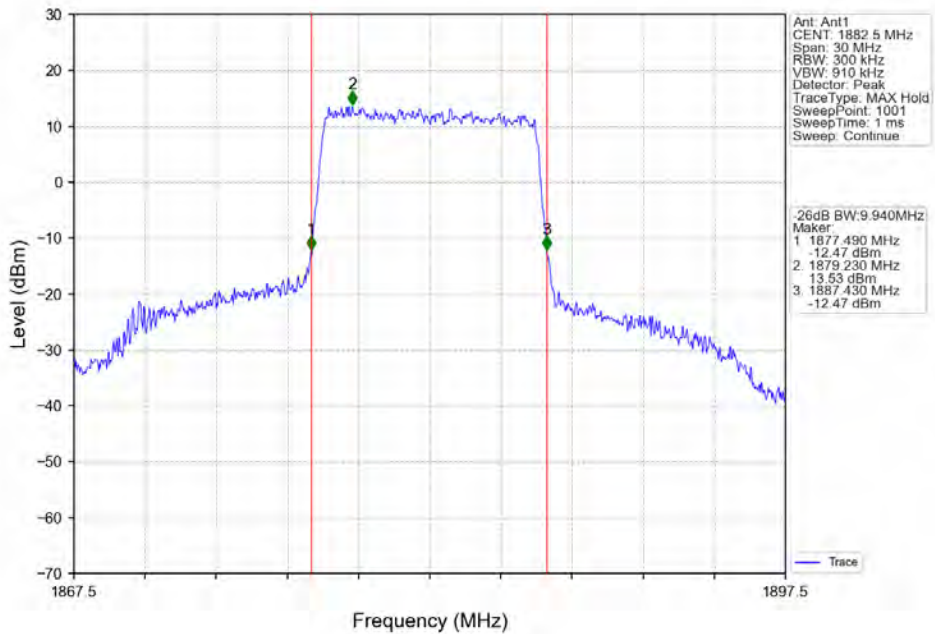


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Band25_10MHz_QPSK_MCH_1882.5MHz_RB_50_0_NTNV



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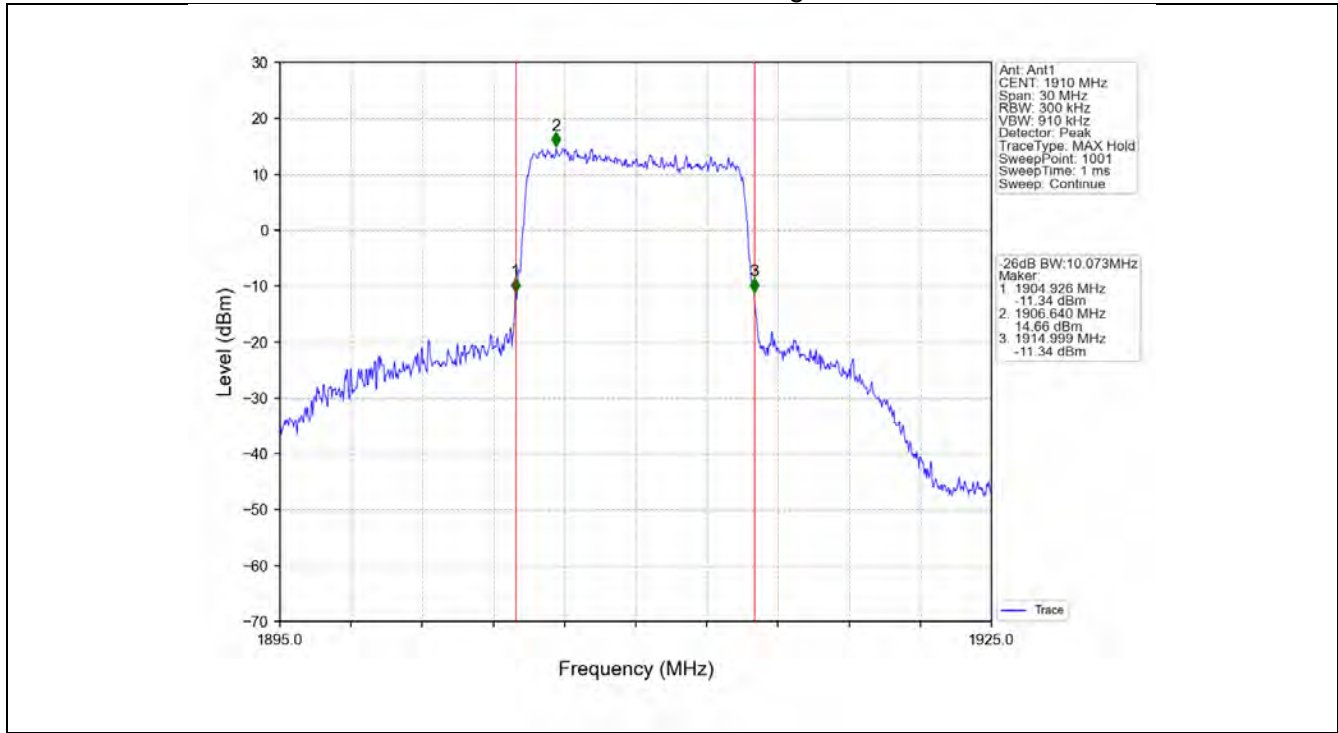
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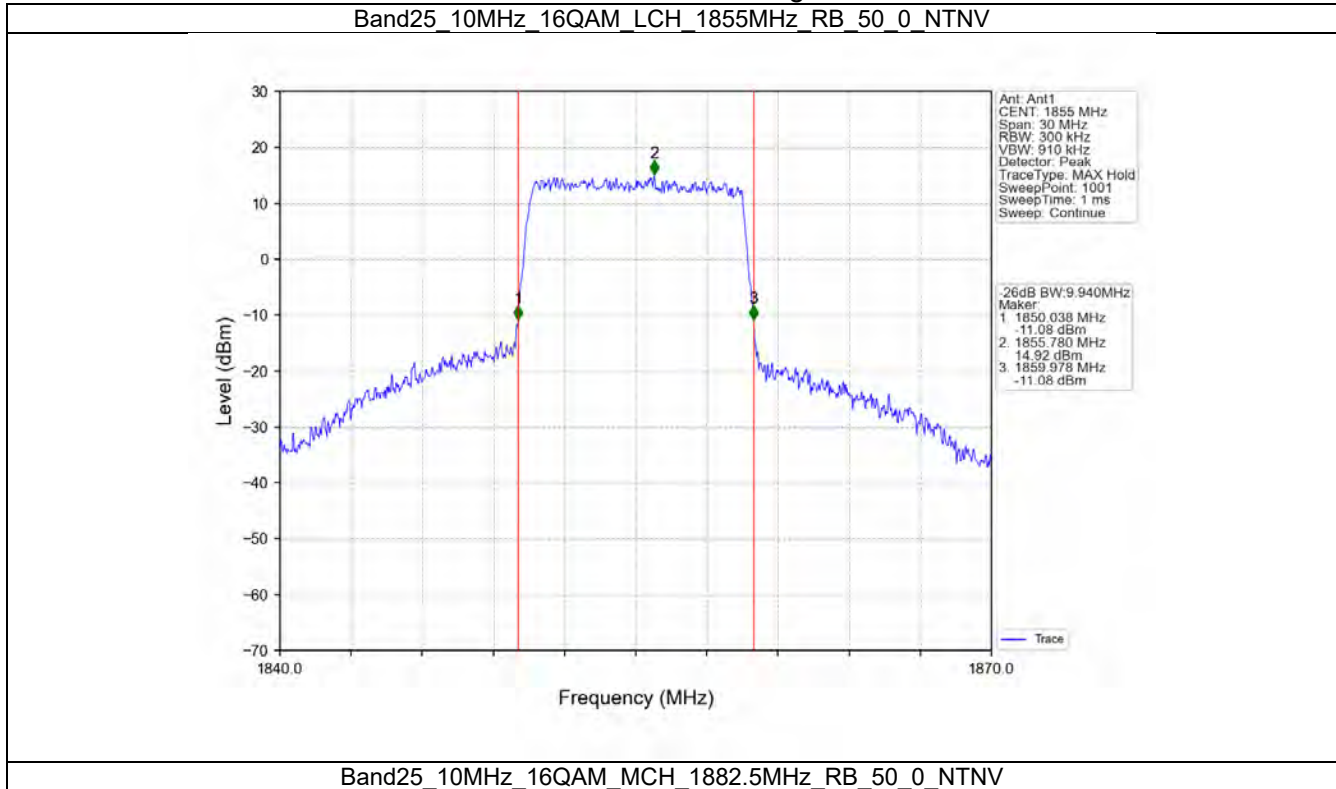
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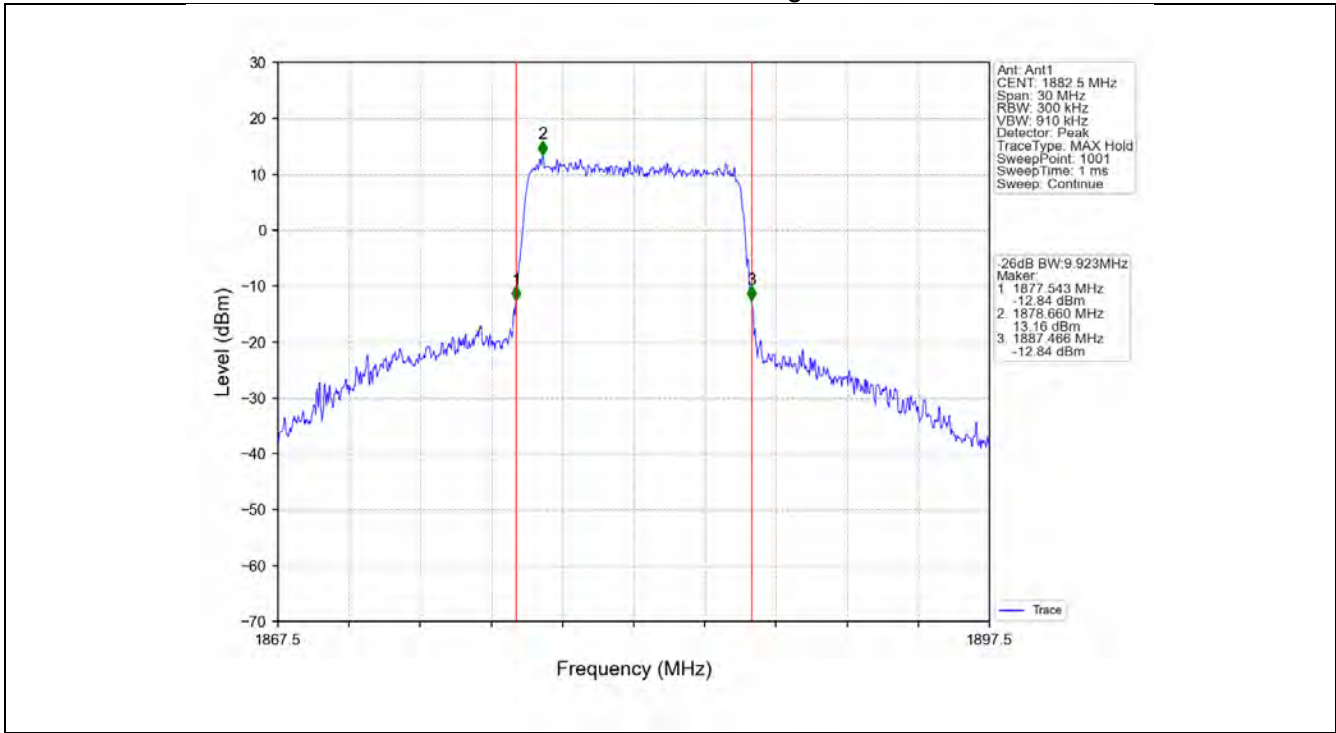
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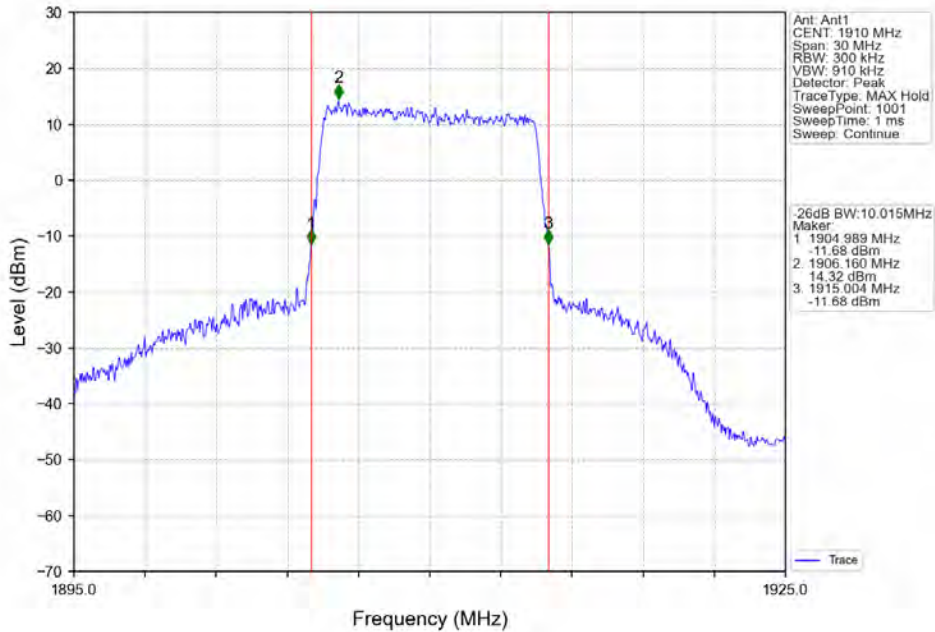


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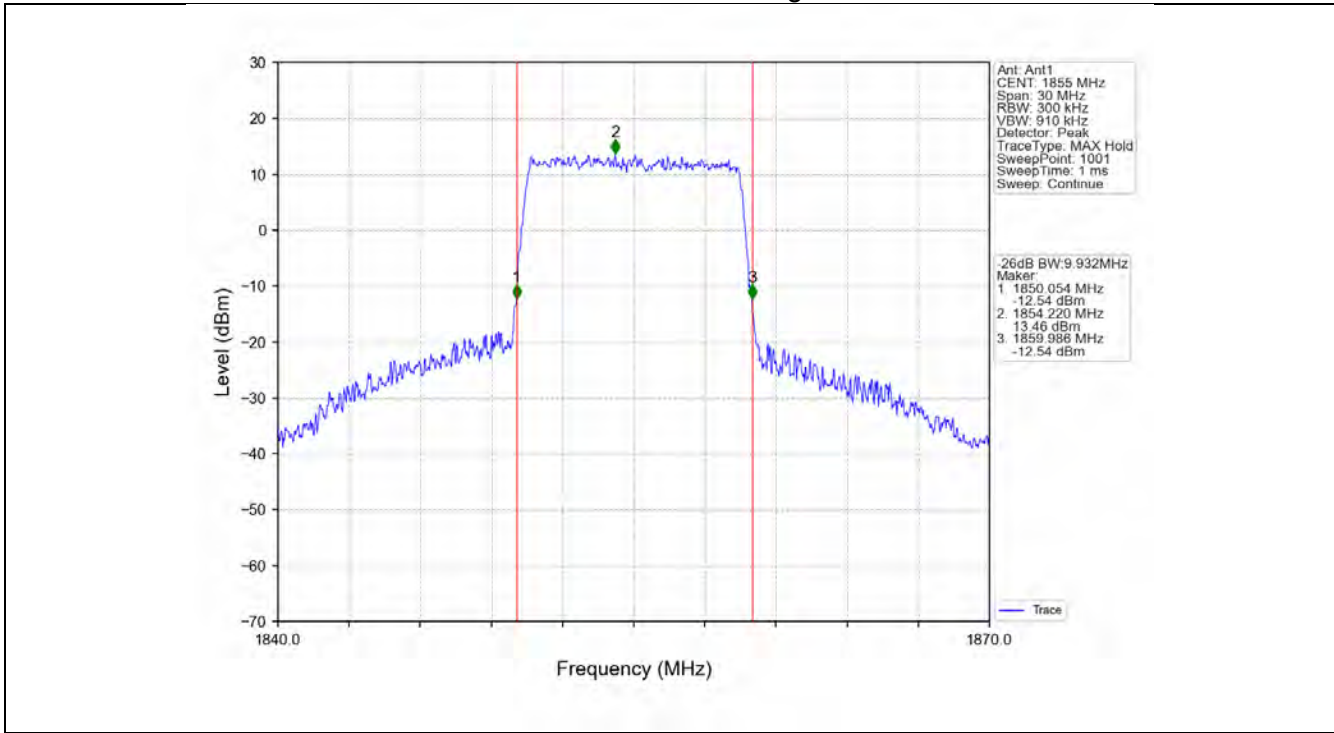
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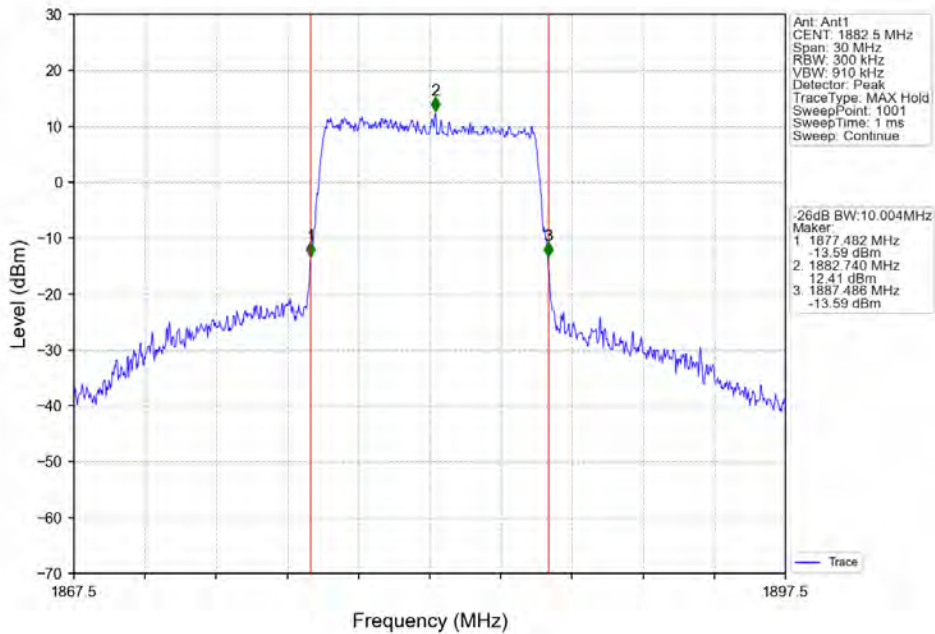


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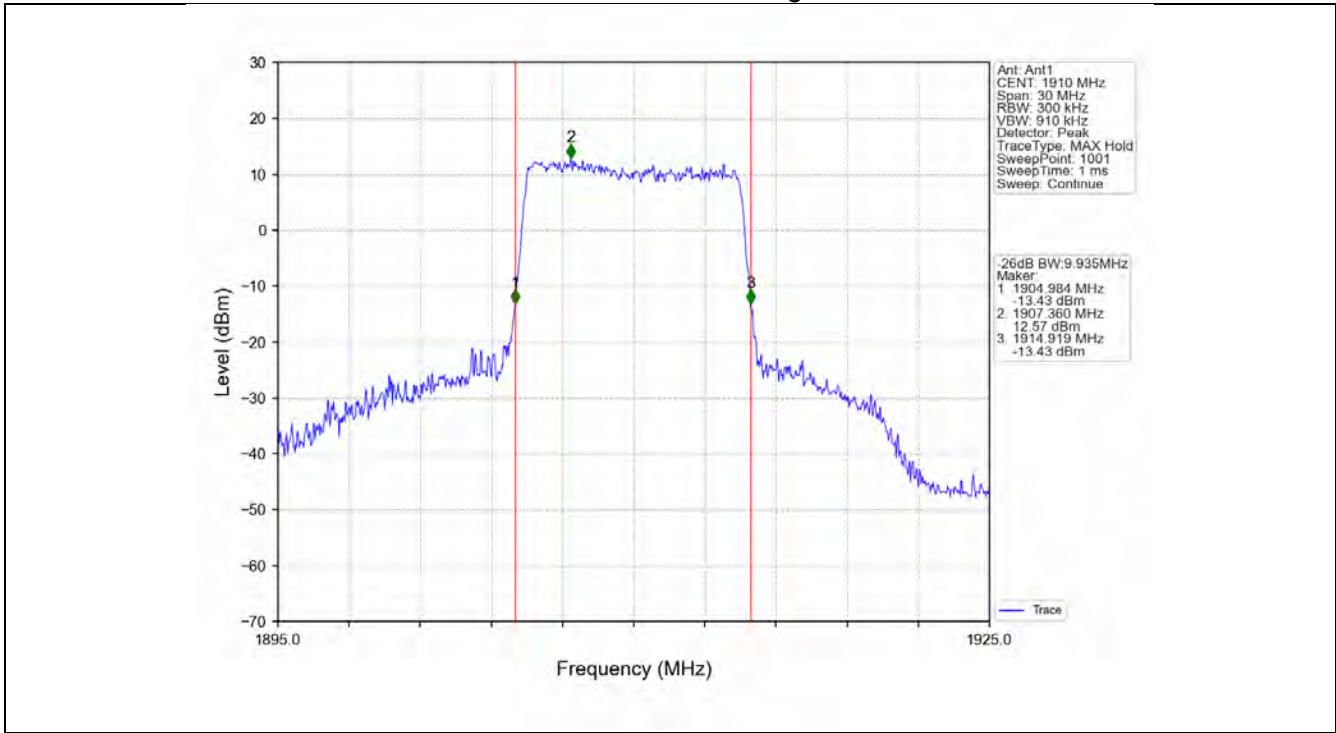
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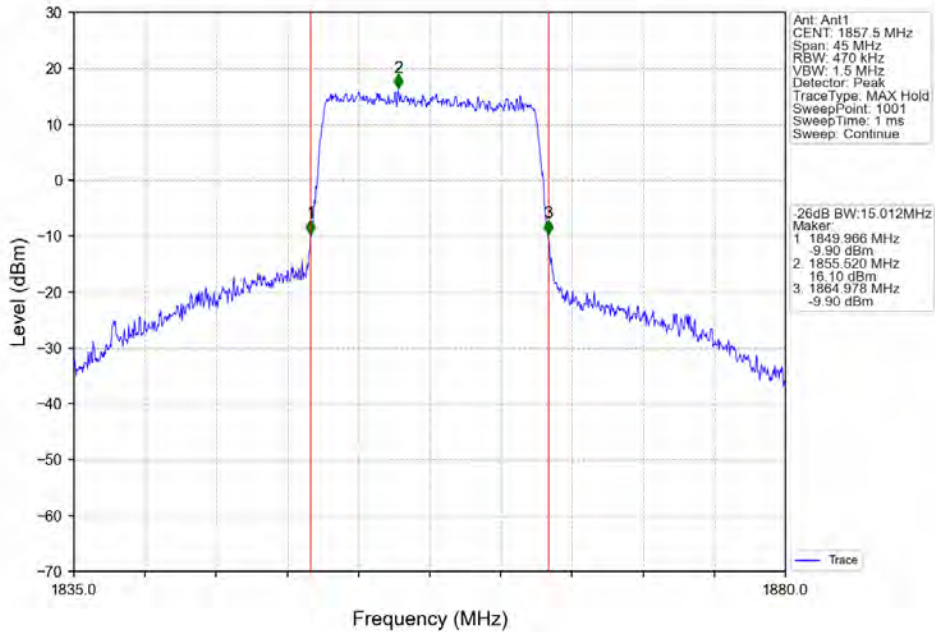


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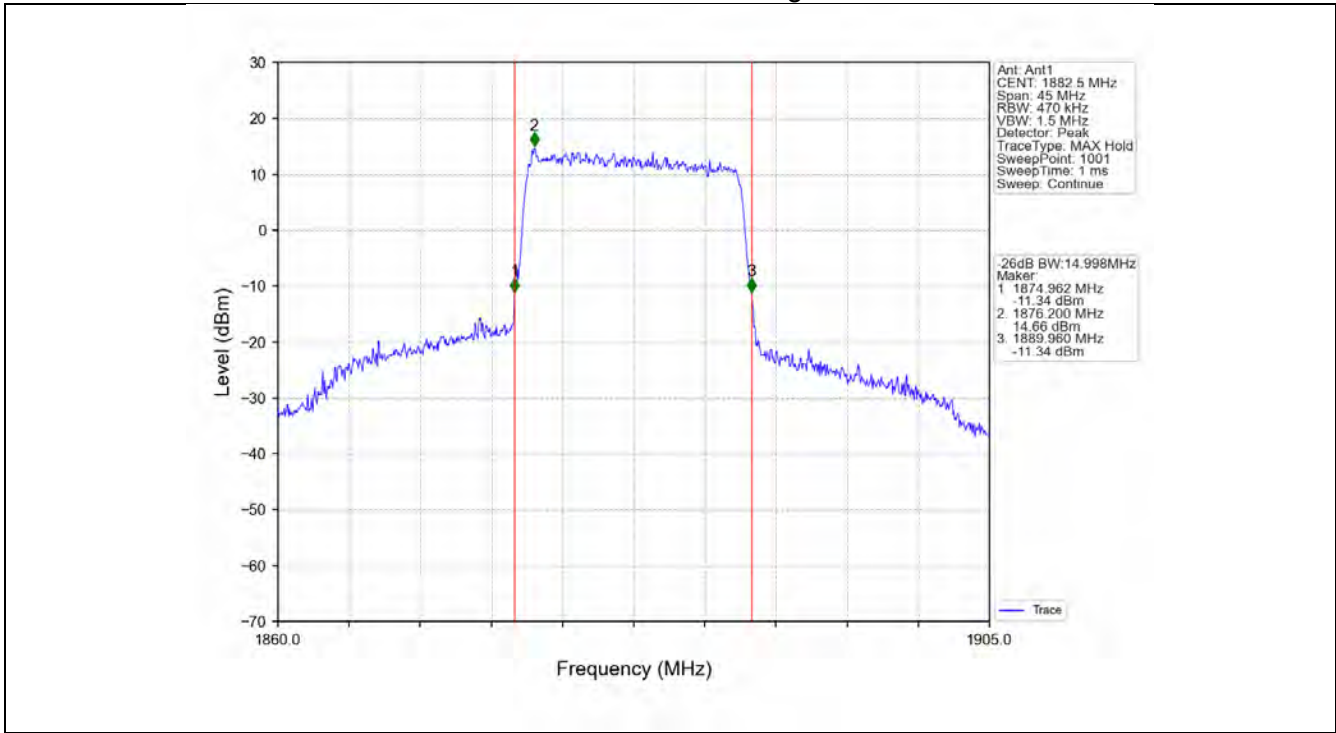
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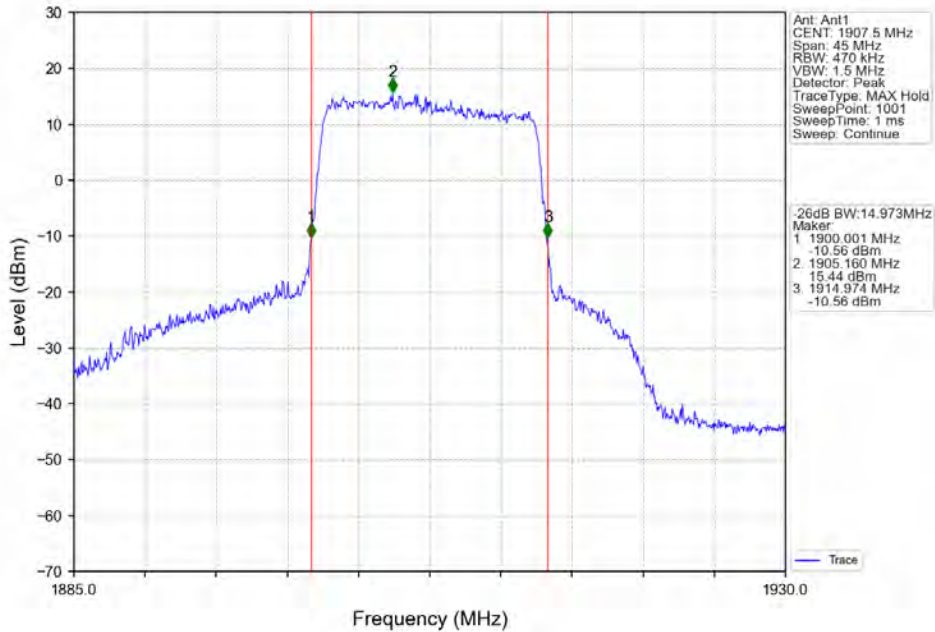


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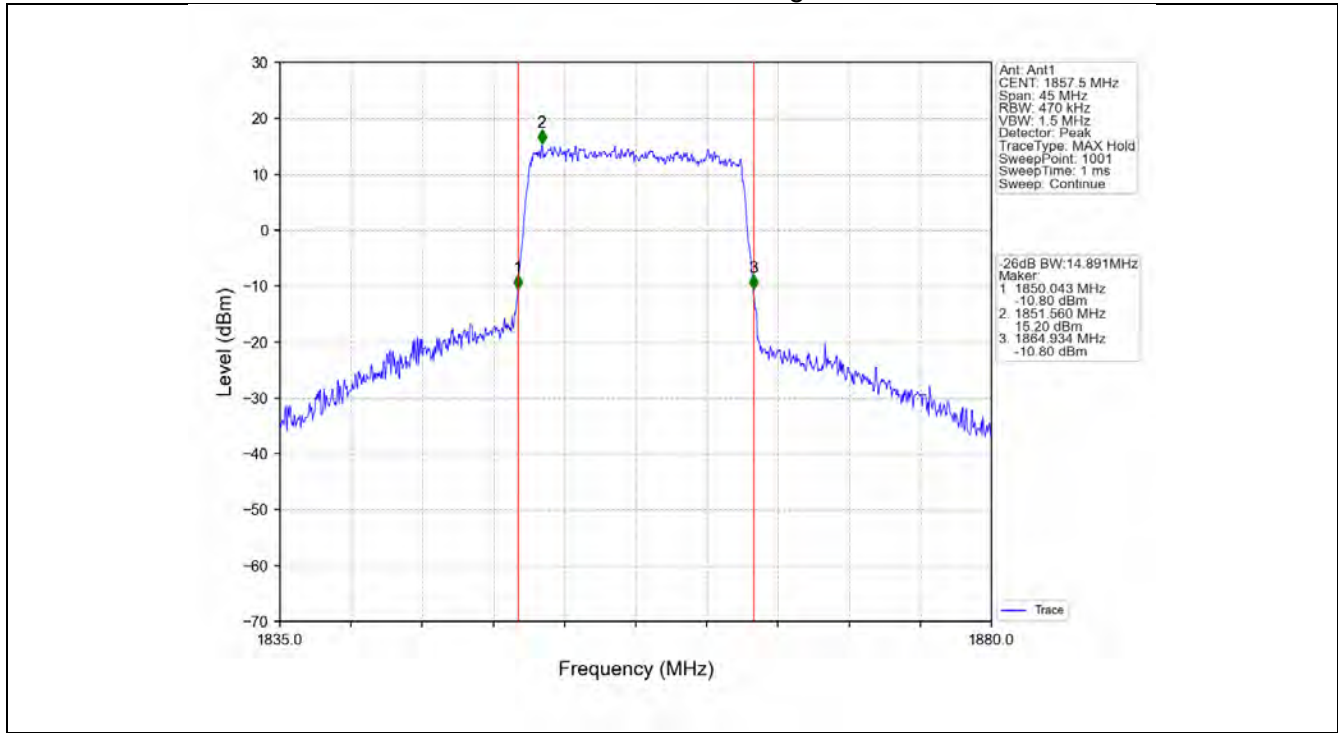
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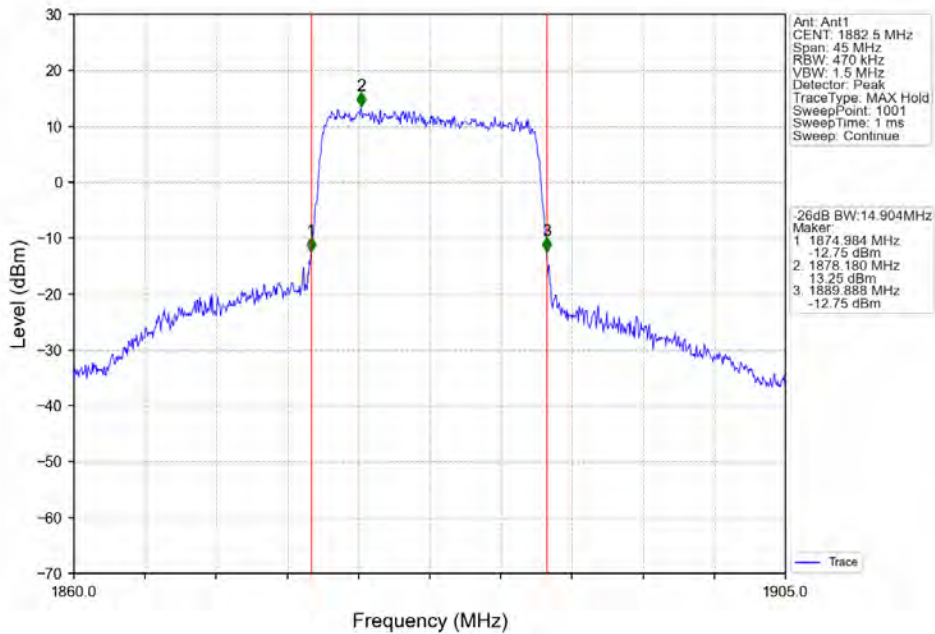


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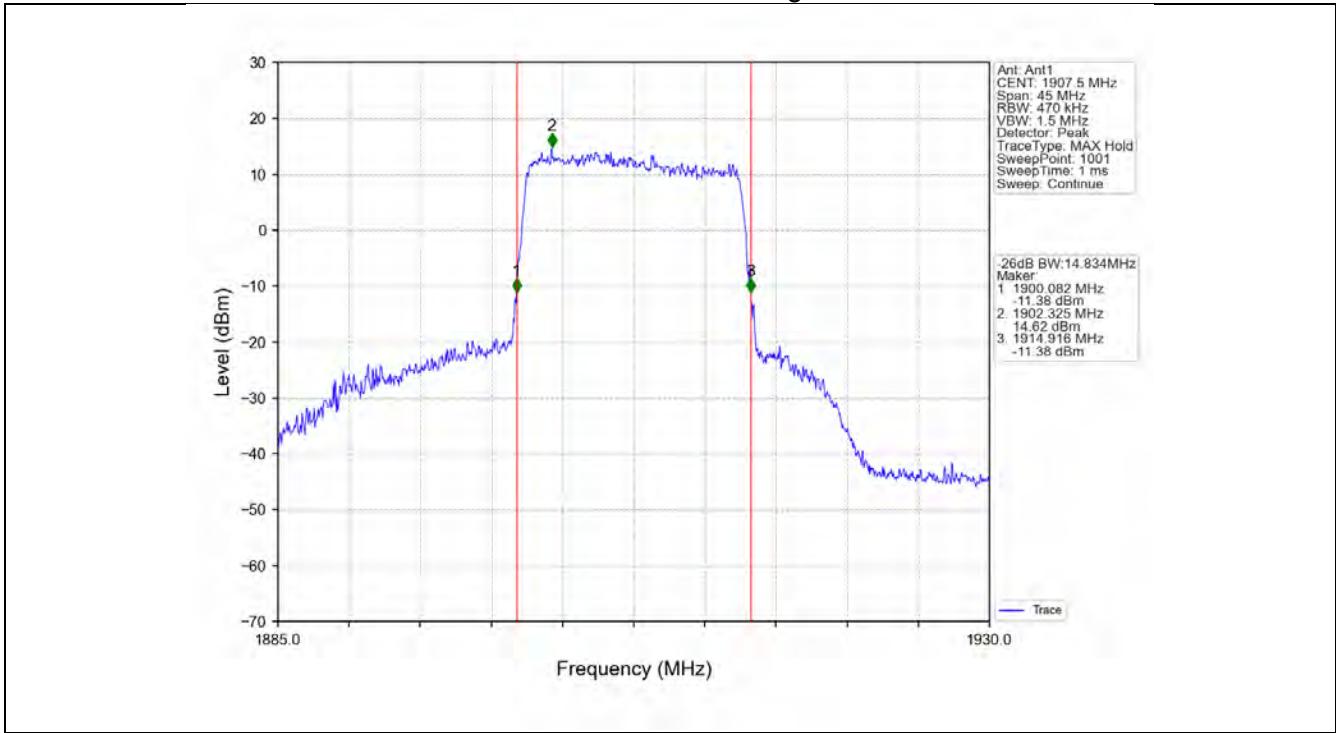
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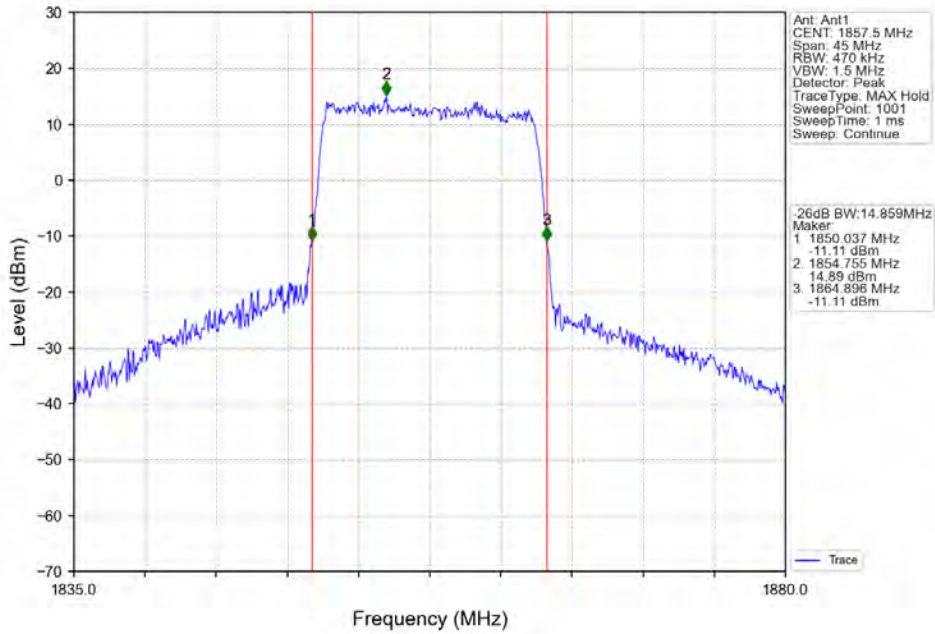


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Band25_15MHz_64QAM_LCH_1857.5MHz_RB_75_0_NTNV



Band25_15MHz_64QAM_MCH_1882.5MHz_RB_75_0_NTNV

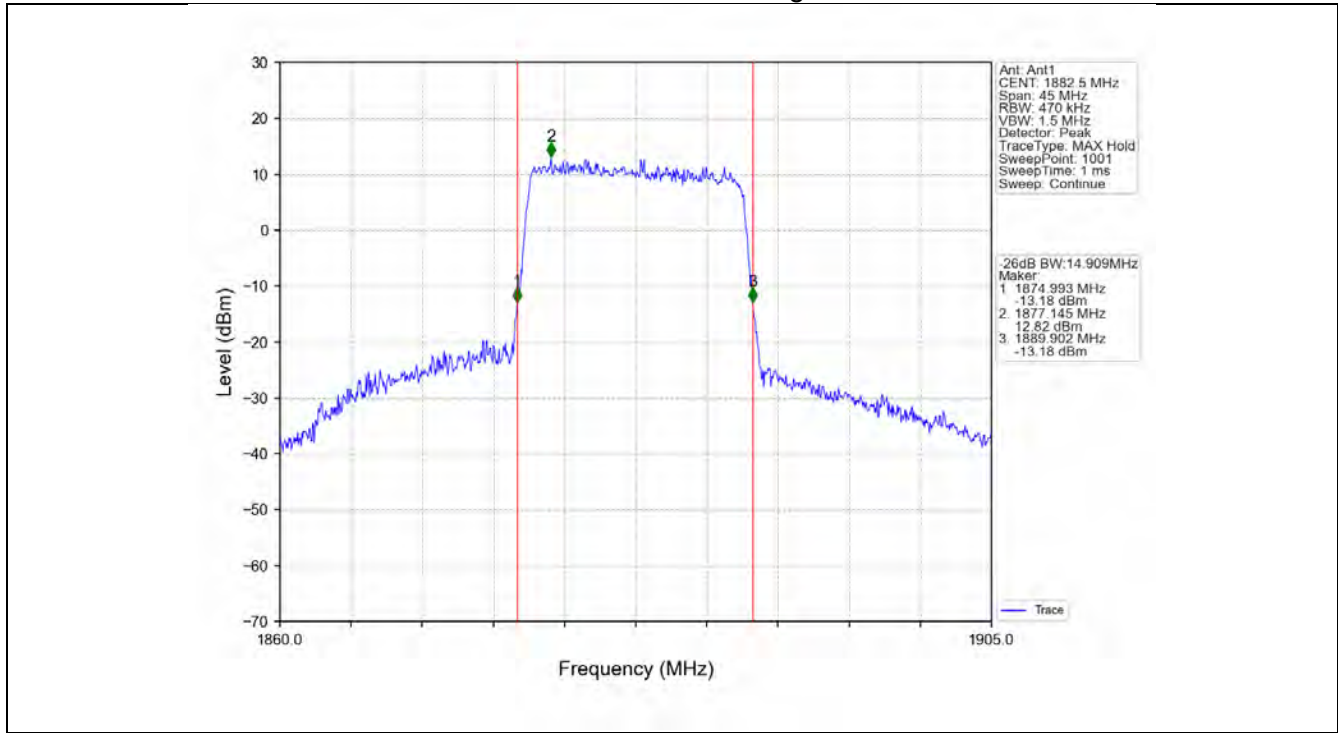


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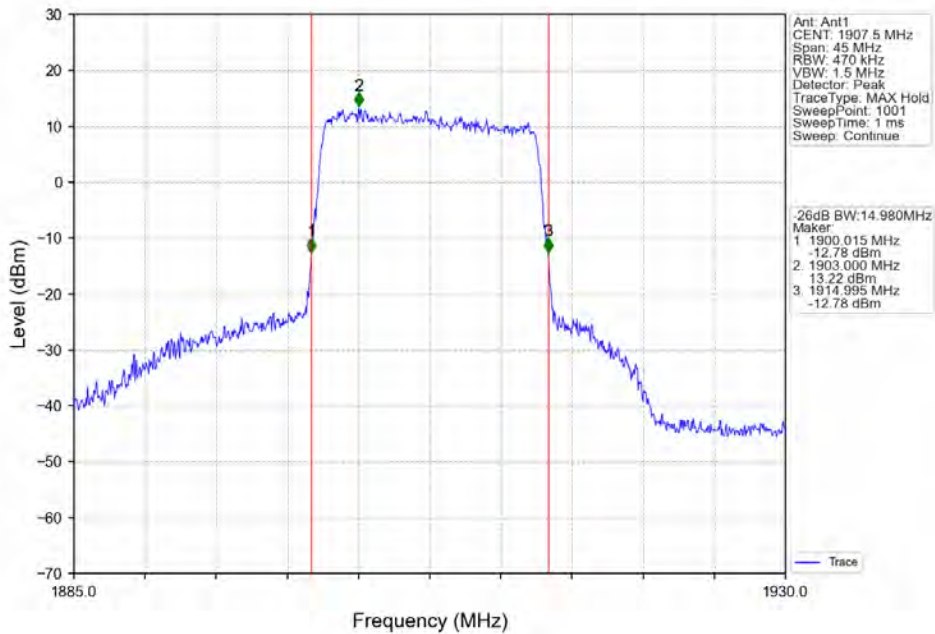


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Band25_20MHz_QPSK_LCH_1860MHz_RB_100_0_NTNV



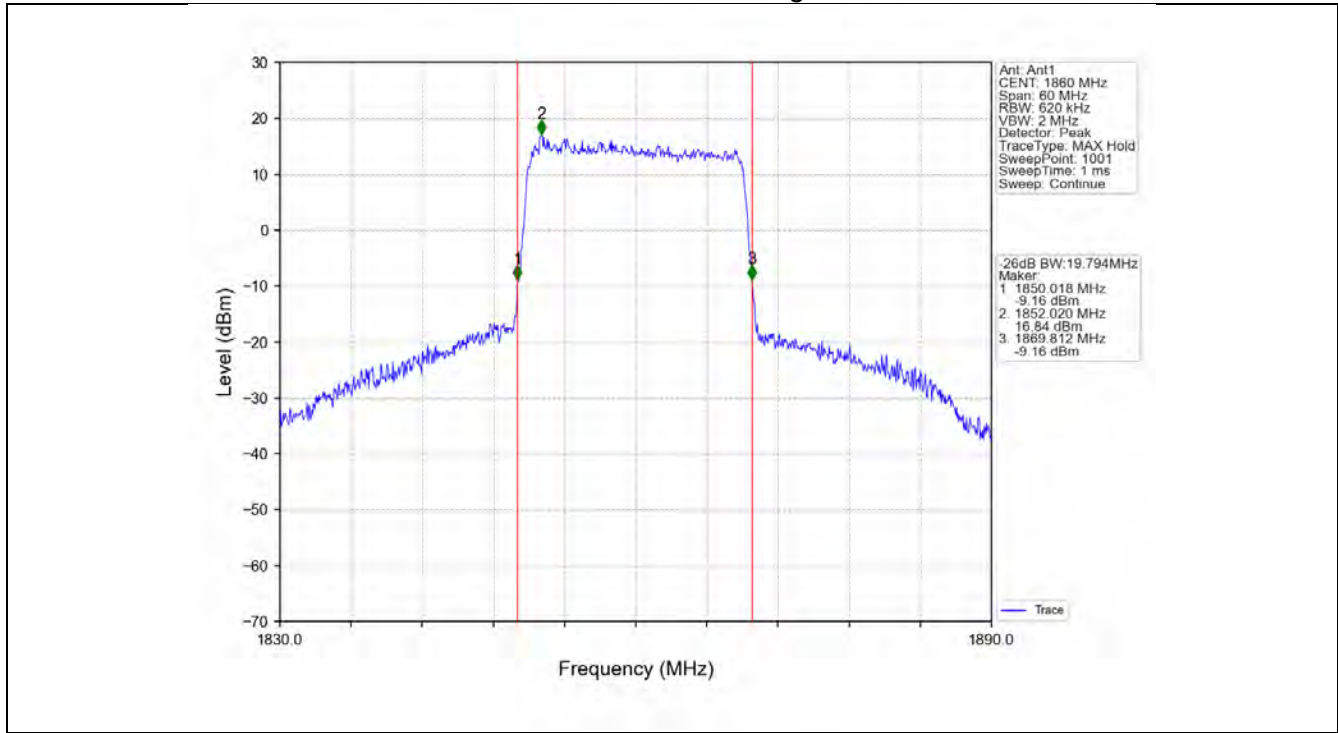
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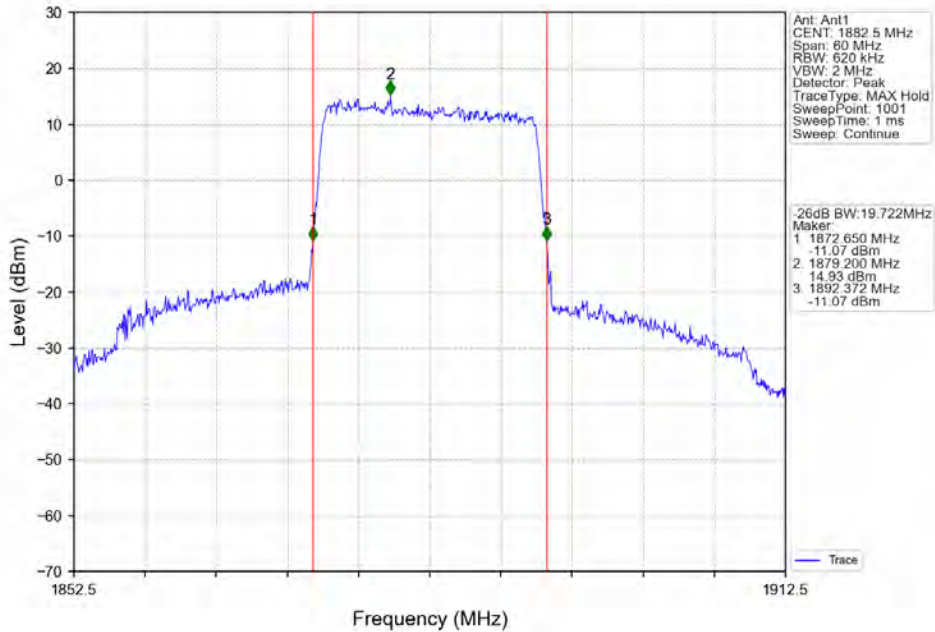


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Band25_20MHz_QPSK_HCH_1905MHz_RB_100_0_NTNV



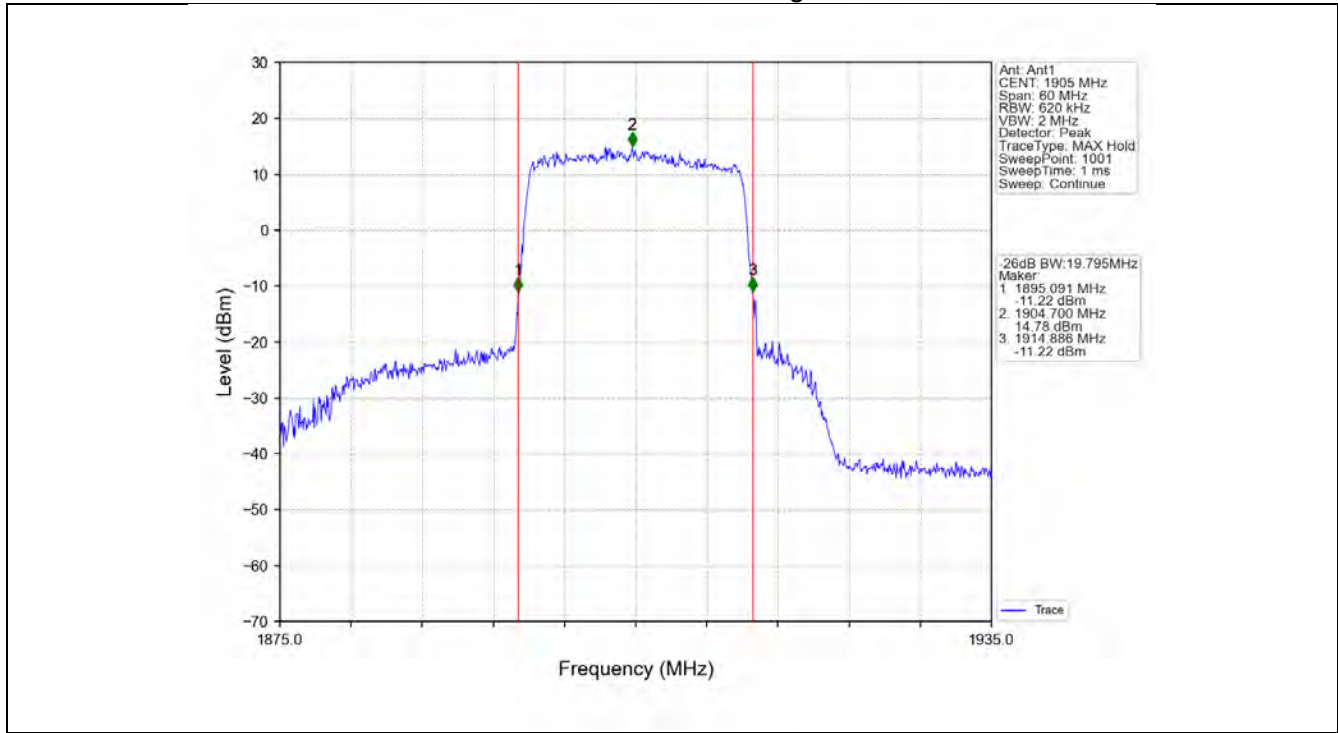
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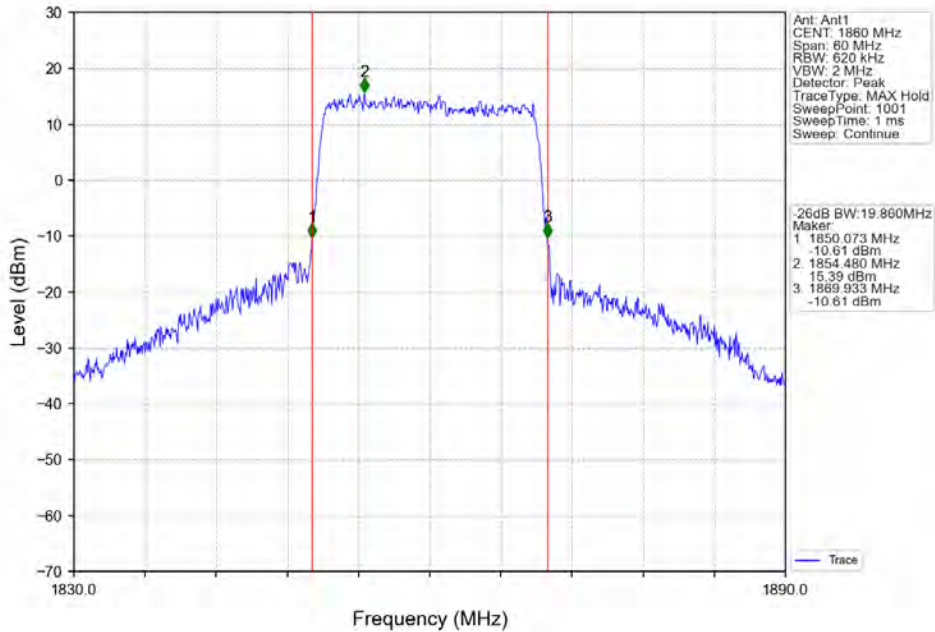


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Band25_20MHz_16QAM_LCH_1860MHz_RB_100_0_NTNV



Band25_20MHz_16QAM_MCH_1882.5MHz_RB_100_0_NTNV

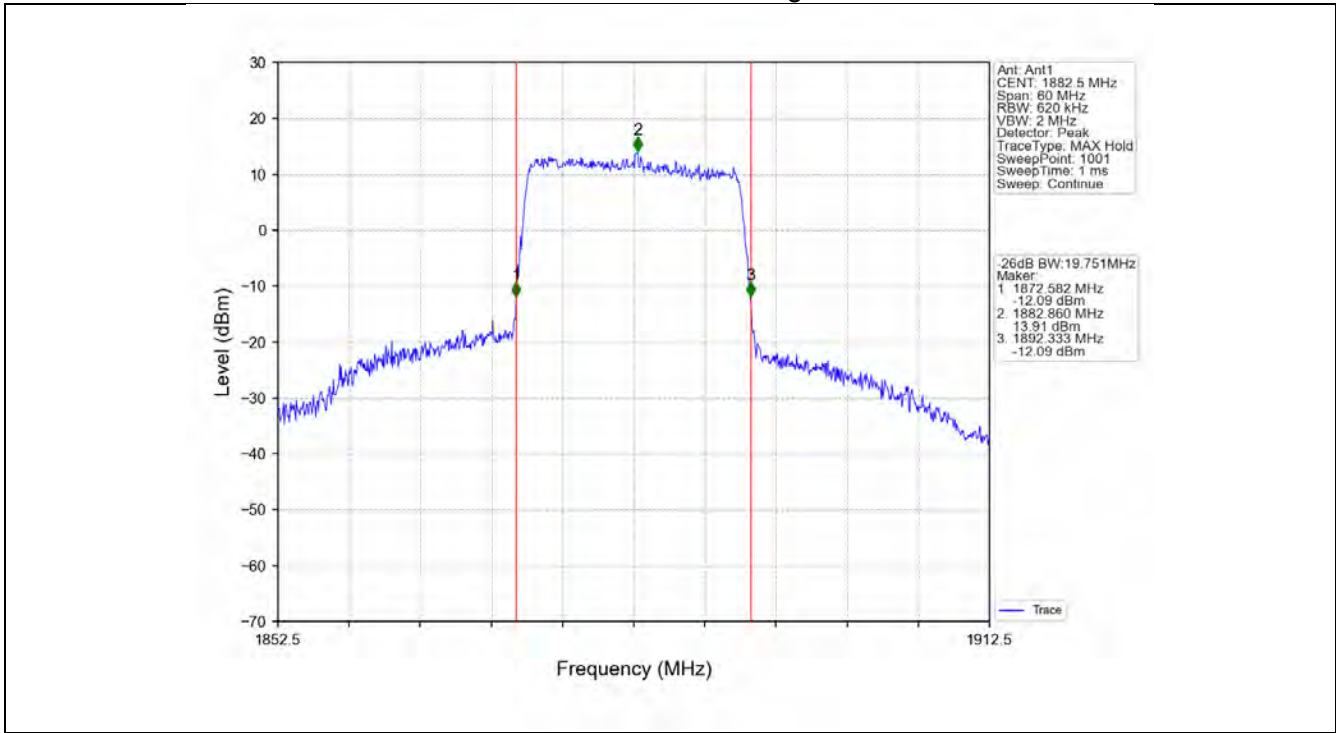


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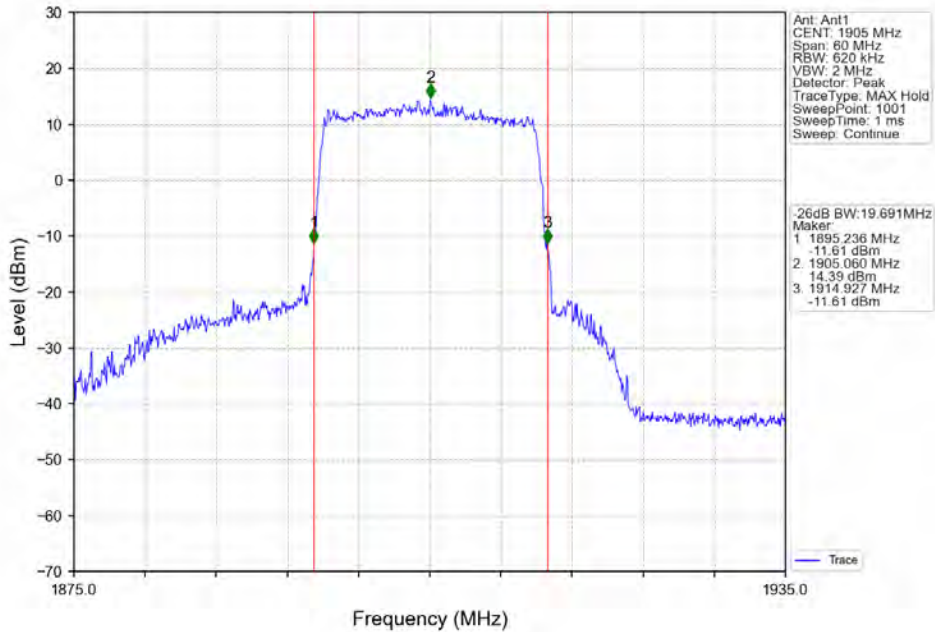


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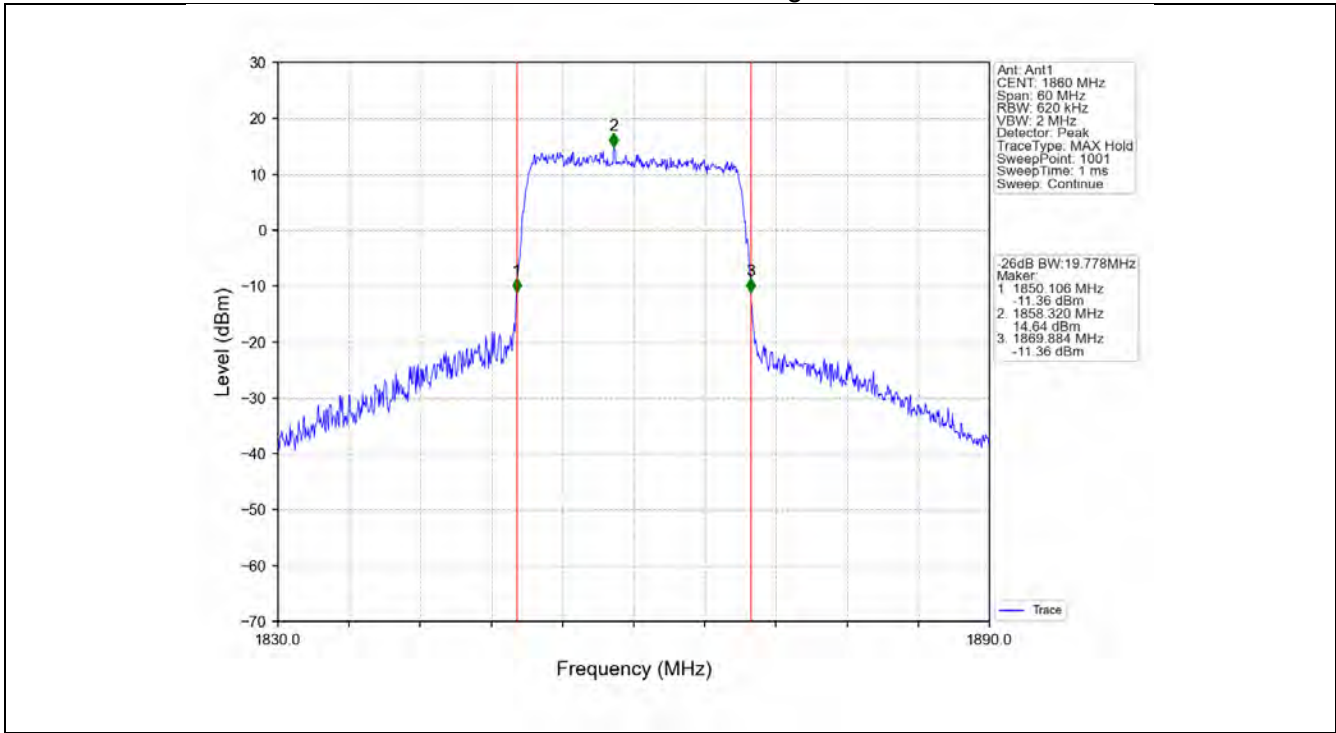
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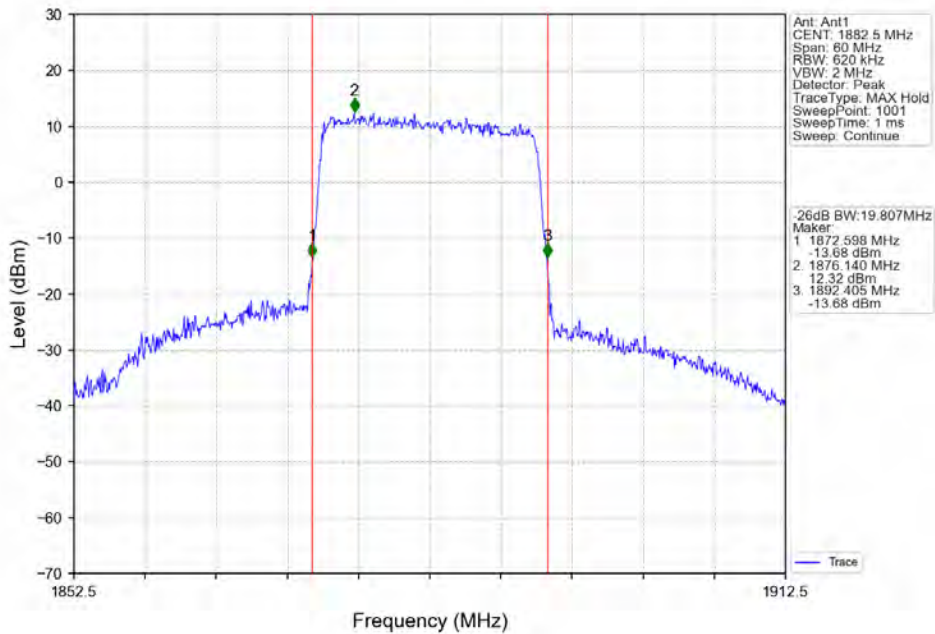


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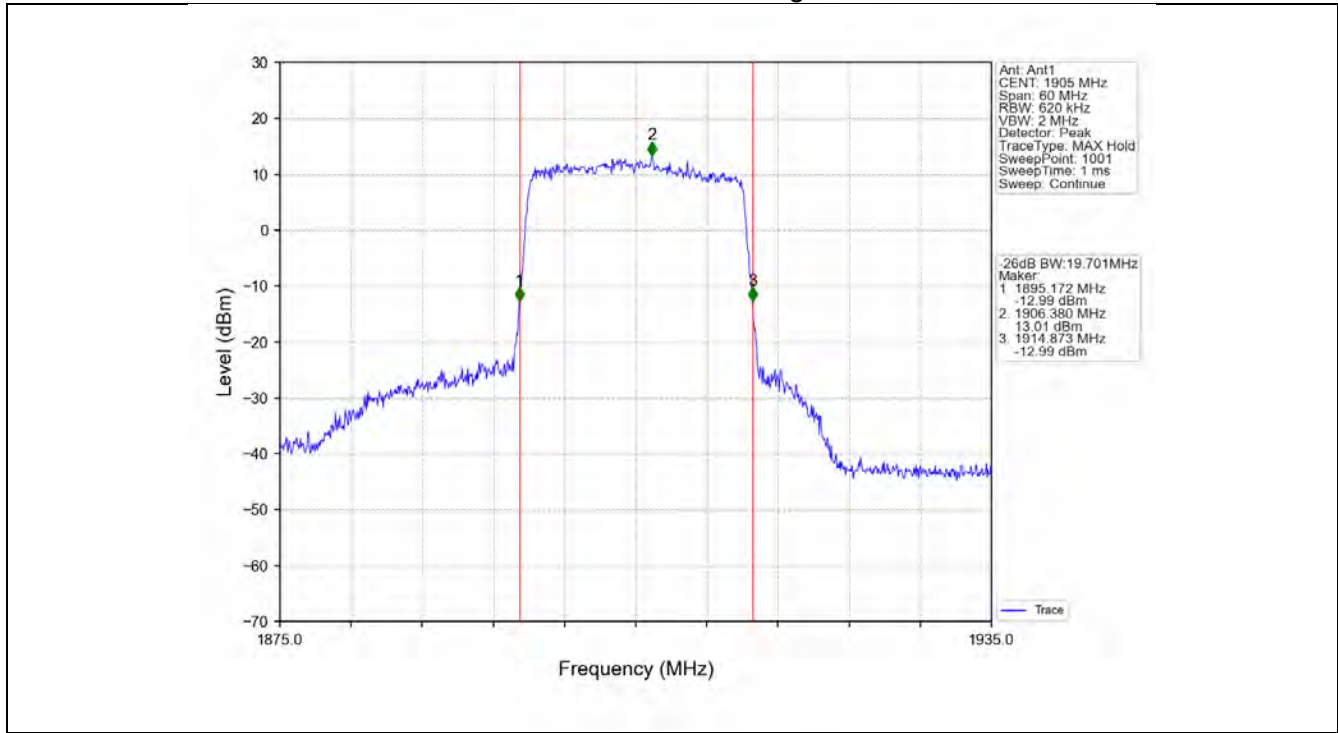
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4. Peak-Average Ratio

4.1 B25_1.4MHz

4.1.1 Test Result

| Band: 25 / Bandwidth: 1.4MHz / NTV | | | | | | |
|------------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1850.7 | 6 | 0 | 4.24 | <=13 | Pass |
| | 1882.5 | 6 | 0 | 4.44 | <=13 | Pass |
| | 1914.3 | 6 | 0 | 5.26 | <=13 | Pass |
| 16QAM | 1850.7 | 6 | 0 | 5.03 | <=13 | Pass |
| | 1882.5 | 6 | 0 | 5.28 | <=13 | Pass |
| | 1914.3 | 6 | 0 | 6.00 | <=13 | Pass |
| 64QAM | 1850.7 | 6 | 0 | 5.63 | <=13 | Pass |
| | 1882.5 | 6 | 0 | 5.60 | <=13 | Pass |
| | 1914.3 | 6 | 0 | 6.48 | <=13 | Pass |

4.2 B25_3MHz

4.2.1 Test Result

| Band: 25 / Bandwidth: 3MHz / NTV | | | | | | |
|----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1851.5 | 15 | 0 | 4.37 | <=13 | Pass |
| | 1882.5 | 15 | 0 | 4.61 | <=13 | Pass |
| | 1913.5 | 15 | 0 | 5.40 | <=13 | Pass |
| 16QAM | 1851.5 | 15 | 0 | 5.20 | <=13 | Pass |
| | 1882.5 | 15 | 0 | 5.41 | <=13 | Pass |
| | 1913.5 | 15 | 0 | 6.16 | <=13 | Pass |
| 64QAM | 1851.5 | 15 | 0 | 5.69 | <=13 | Pass |
| | 1882.5 | 15 | 0 | 5.94 | <=13 | Pass |
| | 1913.5 | 15 | 0 | 6.39 | <=13 | Pass |



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4.3 B25_5MHz

4.3.1 Test Result

| Band: 25 / Bandwidth: 5MHz / NTNV | | | | | | |
|-----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1852.5 | 25 | 0 | 4.74 | <=13 | Pass |
| | 1882.5 | 25 | 0 | 4.96 | <=13 | Pass |
| | 1912.5 | 25 | 0 | 5.48 | <=13 | Pass |
| 16QAM | 1852.5 | 25 | 0 | 5.43 | <=13 | Pass |
| | 1882.5 | 25 | 0 | 5.64 | <=13 | Pass |
| | 1912.5 | 25 | 0 | 6.18 | <=13 | Pass |
| 64QAM | 1852.5 | 25 | 0 | 5.86 | <=13 | Pass |
| | 1882.5 | 25 | 0 | 6.01 | <=13 | Pass |
| | 1912.5 | 25 | 0 | 6.42 | <=13 | Pass |

4.4 B25_10MHz

4.4.1 Test Result

| Band: 25 / Bandwidth: 10MHz / NTNV | | | | | | |
|------------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1855 | 50 | 0 | 4.88 | <=13 | Pass |
| | 1882.5 | 50 | 0 | 5.03 | <=13 | Pass |
| | 1910 | 50 | 0 | 5.35 | <=13 | Pass |
| 16QAM | 1855 | 50 | 0 | 5.61 | <=13 | Pass |
| | 1882.5 | 50 | 0 | 5.77 | <=13 | Pass |
| | 1910 | 50 | 0 | 6.07 | <=13 | Pass |
| 64QAM | 1855 | 50 | 0 | 6.01 | <=13 | Pass |
| | 1882.5 | 50 | 0 | 6.12 | <=13 | Pass |
| | 1910 | 50 | 0 | 6.36 | <=13 | Pass |



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4.5 B25_15MHz

4.5.1 Test Result

| Band: 25 / Bandwidth: 15MHz / NTNV | | | | | | |
|------------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1857.5 | 75 | 0 | 5.11 | <=13 | Pass |
| | 1882.5 | 75 | 0 | 5.13 | <=13 | Pass |
| | 1907.5 | 75 | 0 | 5.34 | <=13 | Pass |
| 16QAM | 1857.5 | 75 | 0 | 5.74 | <=13 | Pass |
| | 1882.5 | 75 | 0 | 5.74 | <=13 | Pass |
| | 1907.5 | 75 | 0 | 5.87 | <=13 | Pass |
| 64QAM | 1857.5 | 75 | 0 | 6.10 | <=13 | Pass |
| | 1882.5 | 75 | 0 | 6.08 | <=13 | Pass |
| | 1907.5 | 75 | 0 | 6.15 | <=13 | Pass |

4.6 B25_20MHz

4.6.1 Test Result

| Band: 25 / Bandwidth: 20MHz / NTNV | | | | | | |
|------------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1860 | 100 | 0 | 5.16 | <=13 | Pass |
| | 1882.5 | 100 | 0 | 5.13 | <=13 | Pass |
| | 1905 | 100 | 0 | 5.13 | <=13 | Pass |
| 16QAM | 1860 | 100 | 0 | 5.90 | <=13 | Pass |
| | 1882.5 | 100 | 0 | 5.84 | <=13 | Pass |
| | 1905 | 100 | 0 | 5.88 | <=13 | Pass |
| 64QAM | 1860 | 100 | 0 | 6.29 | <=13 | Pass |
| | 1882.5 | 100 | 0 | 6.17 | <=13 | Pass |
| | 1905 | 100 | 0 | 6.17 | <=13 | Pass |



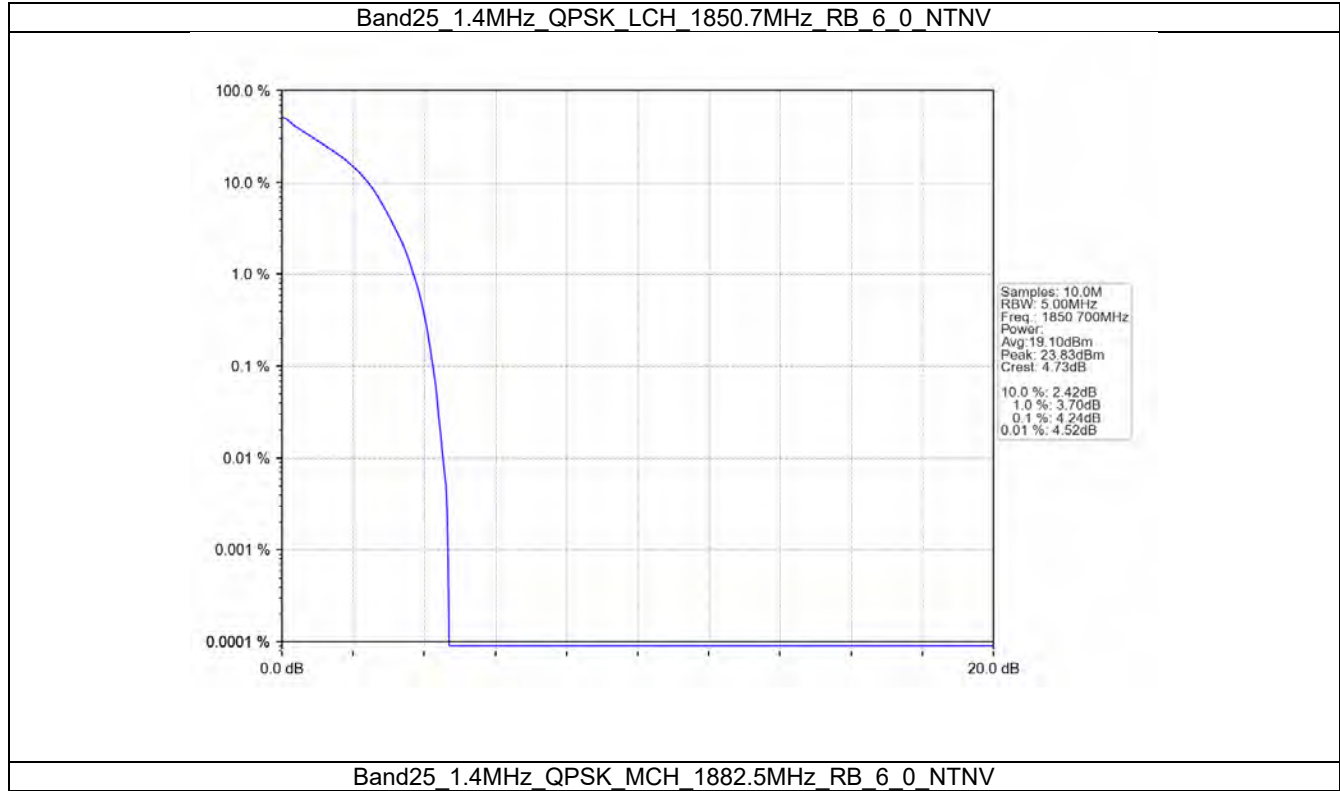
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4.1 B25_1.4MHz

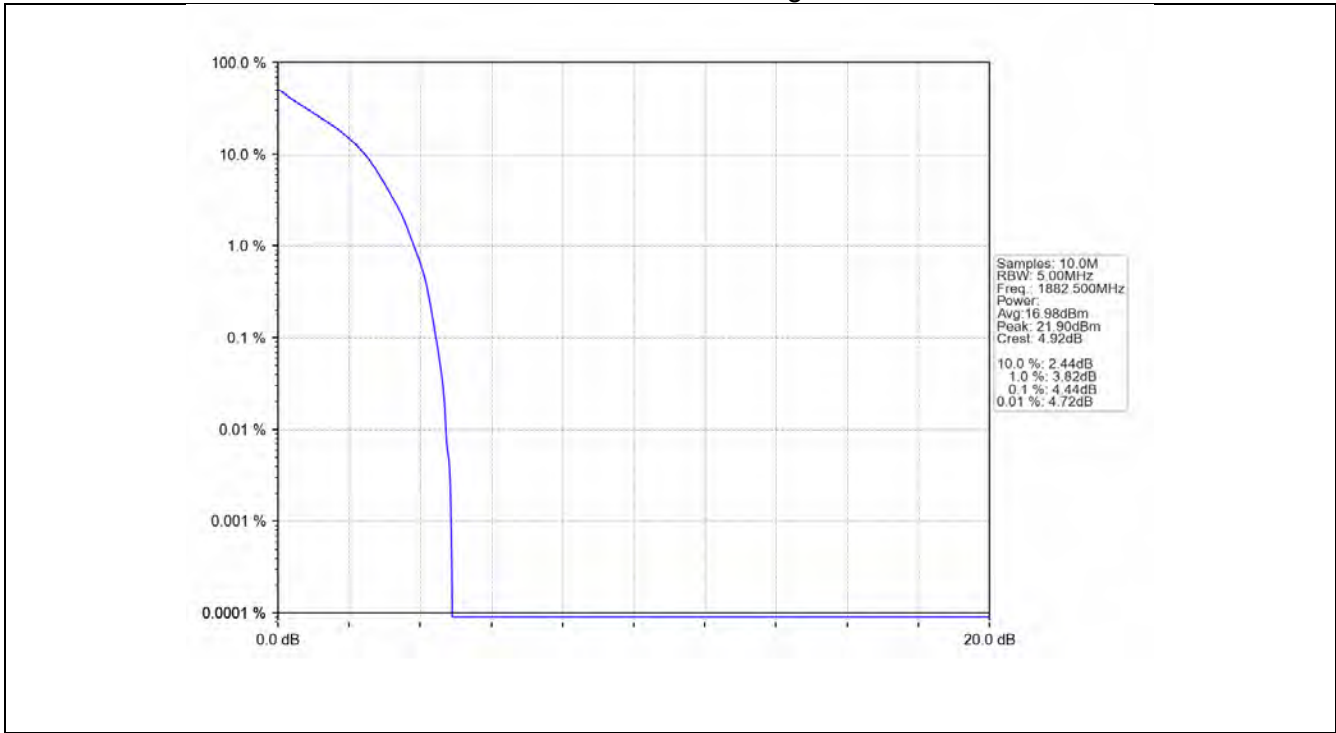
4.1.2 Test Graph



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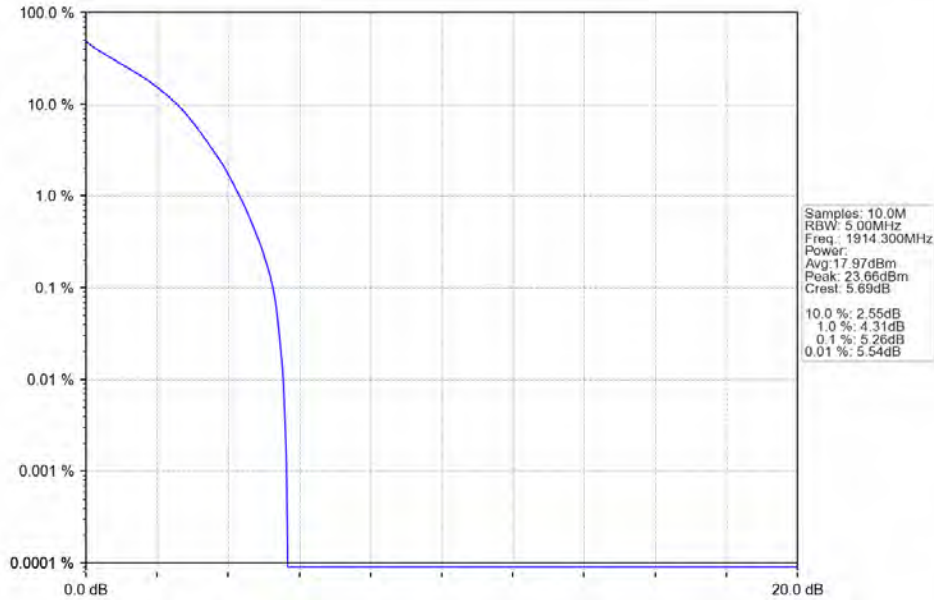


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Band25 1.4MHz QPSK HCH 1914.3MHz_RB_6_0_NTNV



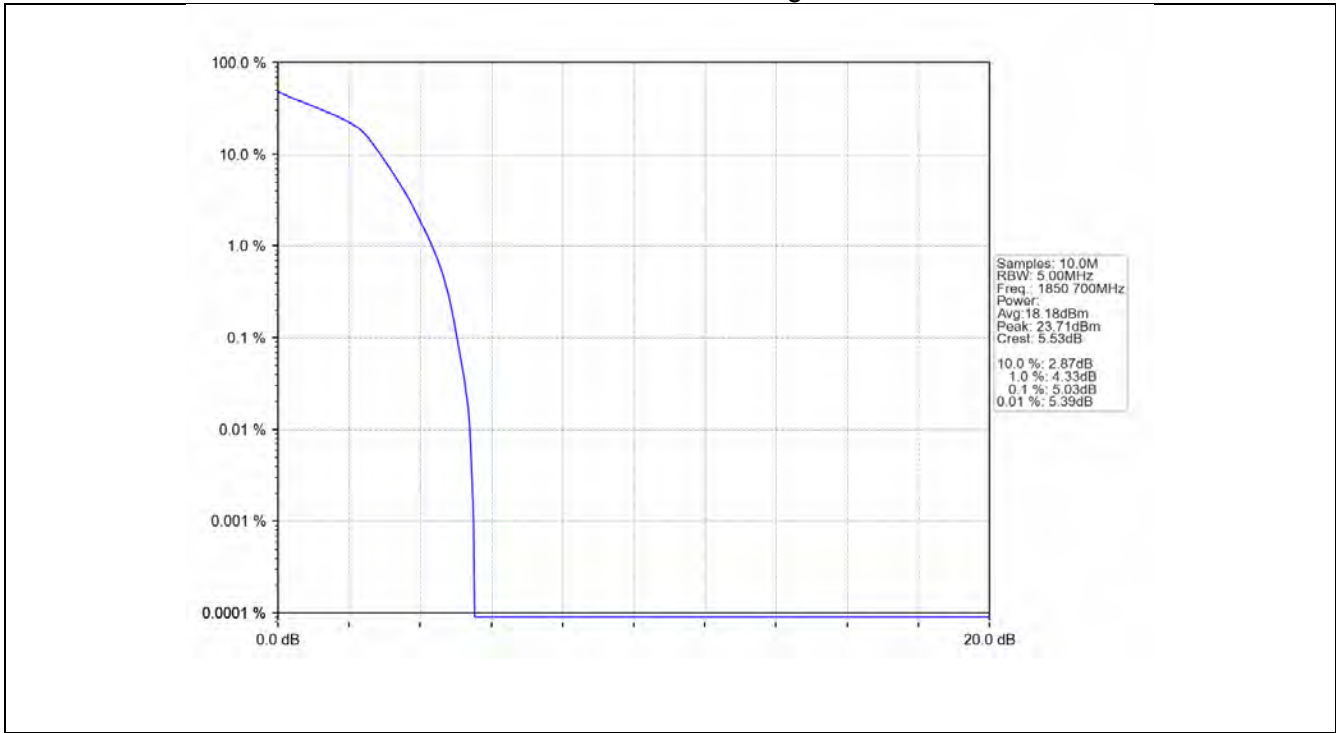
Band25 1.4MHz 16QAM LCH 1850.7MHz_RB_6_0_NTNV



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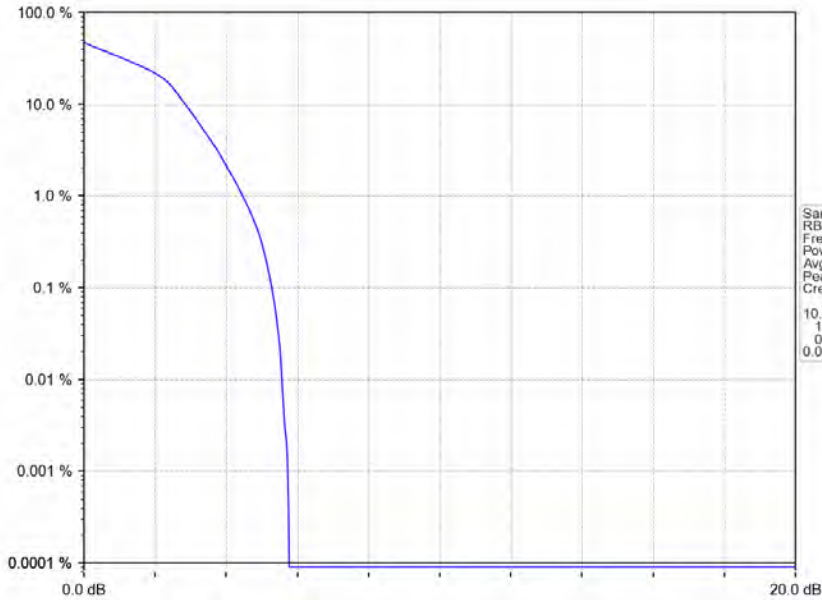


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Rev.: 01

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Band25_1.4MHz_16QAM_MCH_1882.5MHz_RB_6_0_NTNV



Band25_1.4MHz_16QAM_HCH_1914.3MHz_RB_6_0_NTNV



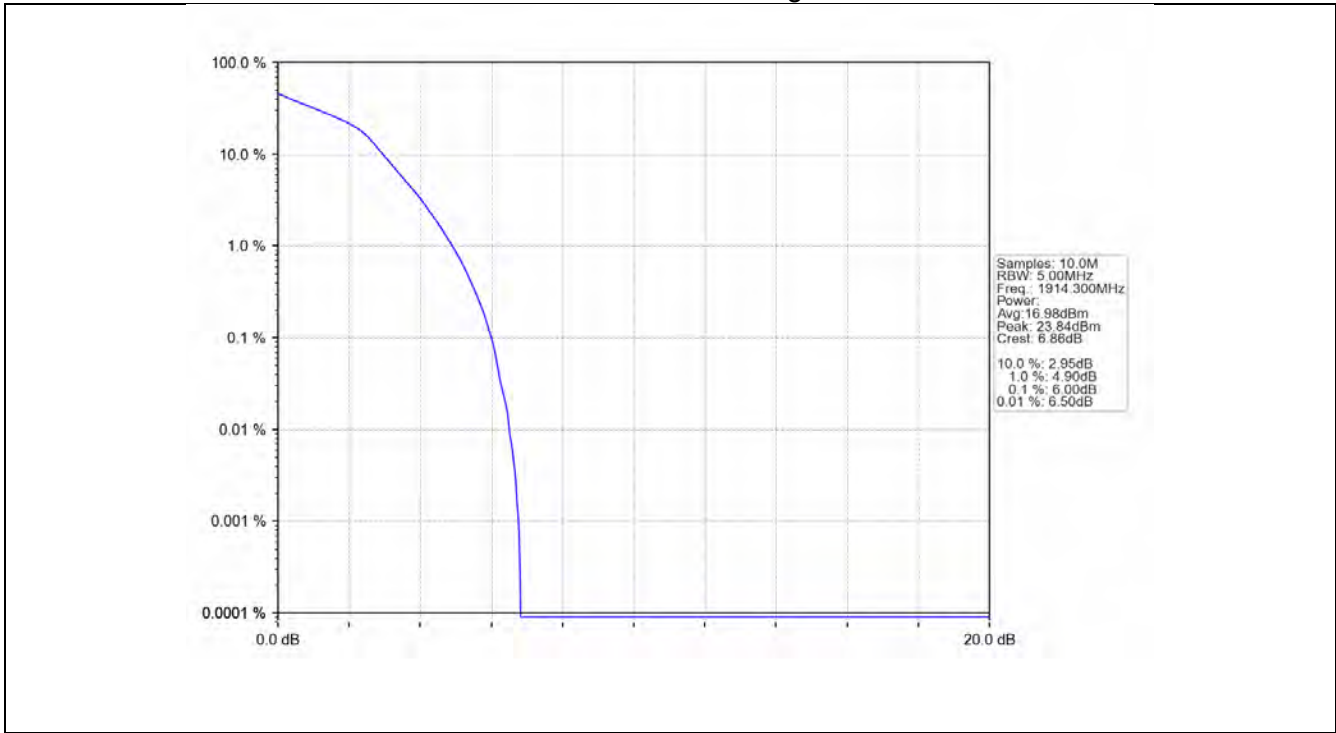
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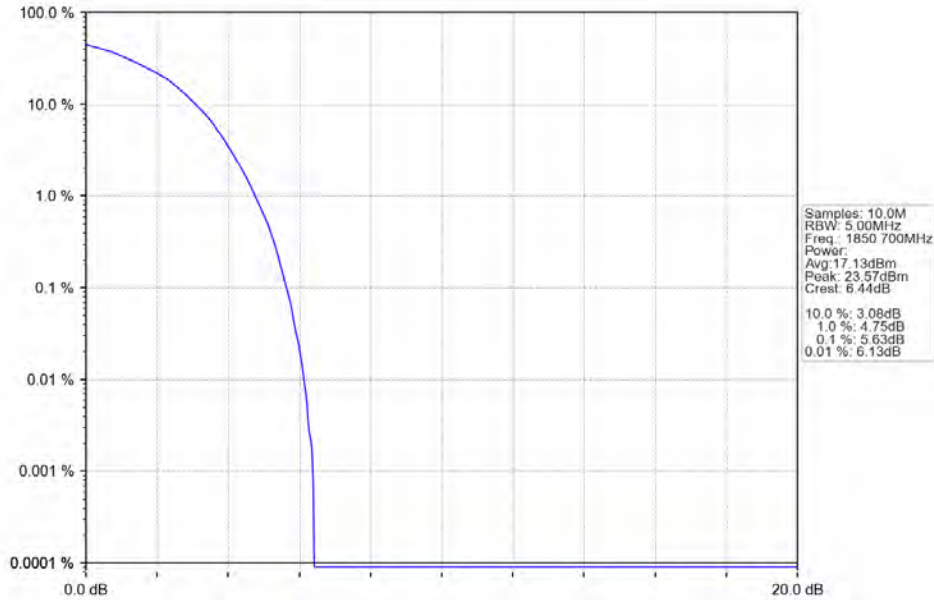


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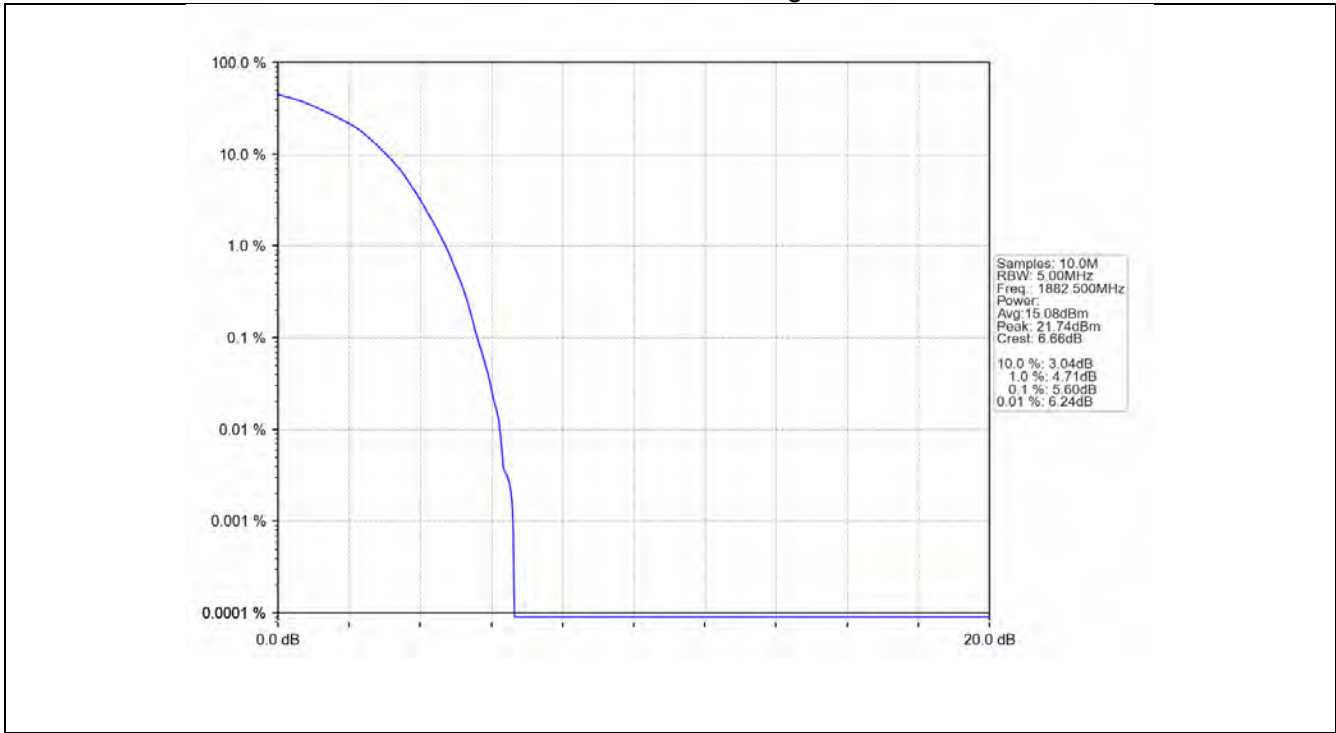
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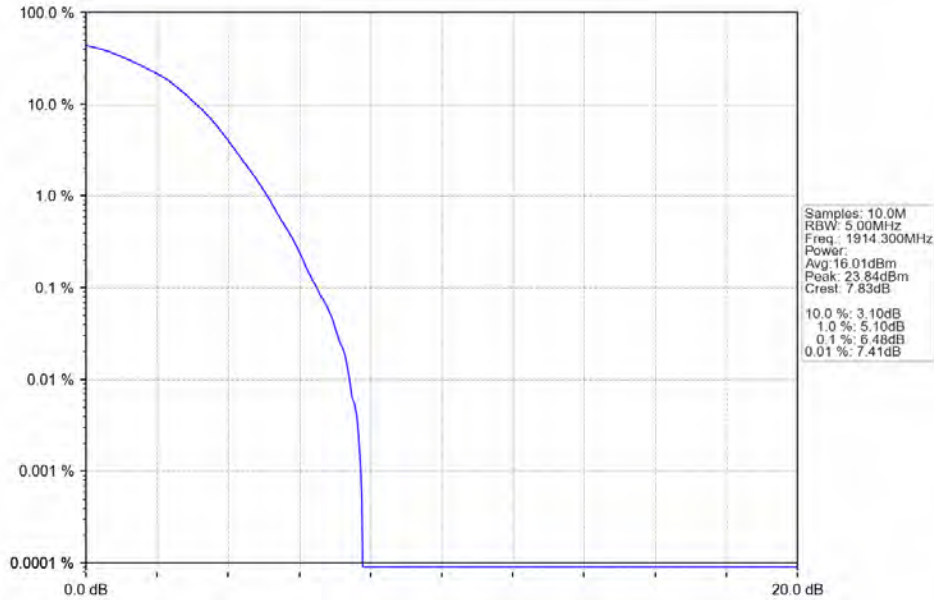
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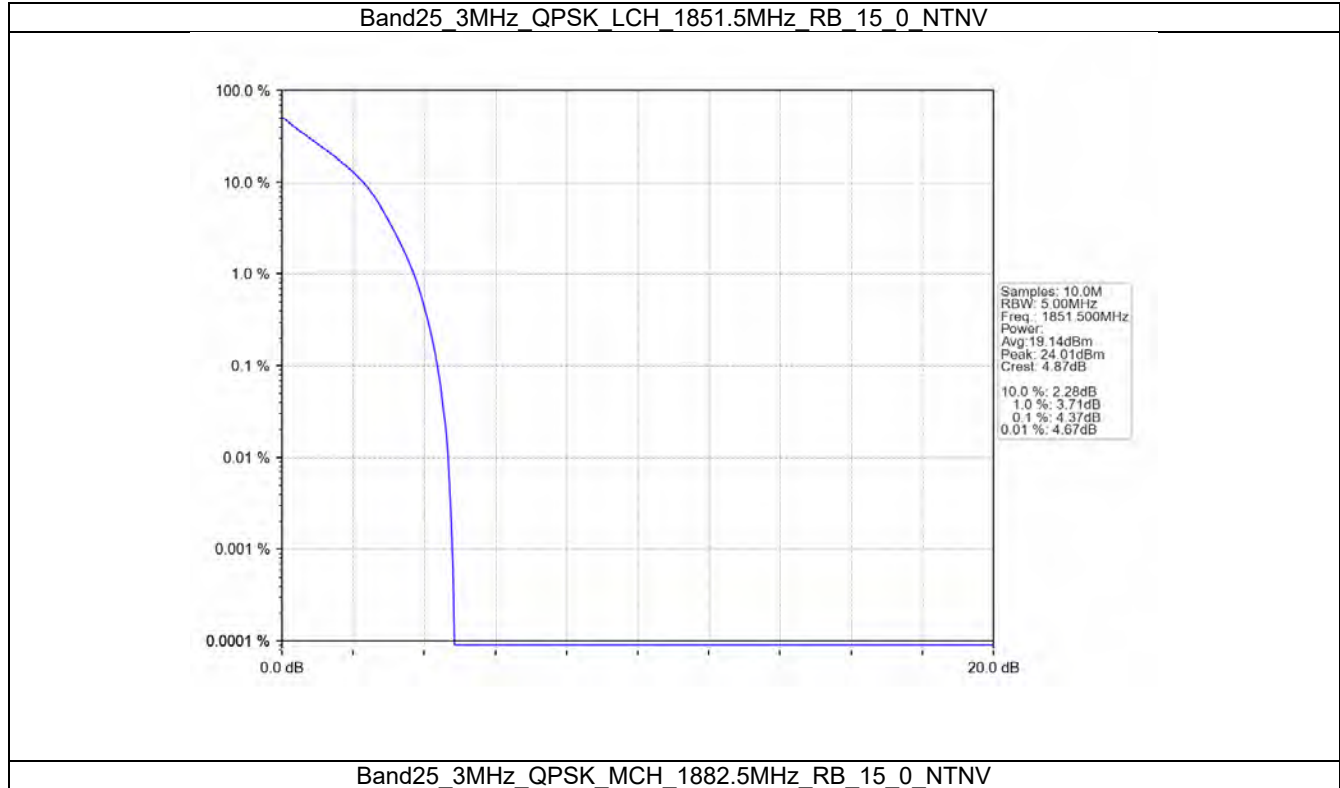
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4.2 B25_3MHz

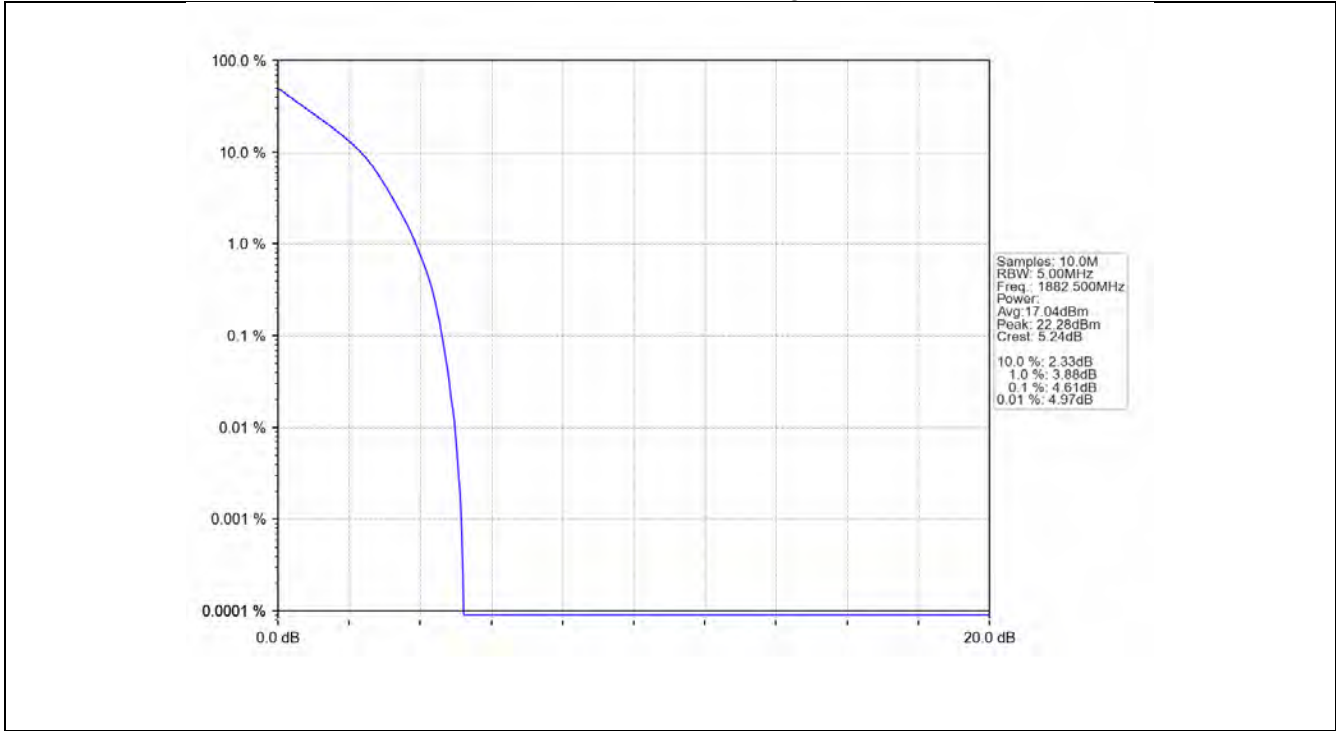
4.2.2 Test Graph



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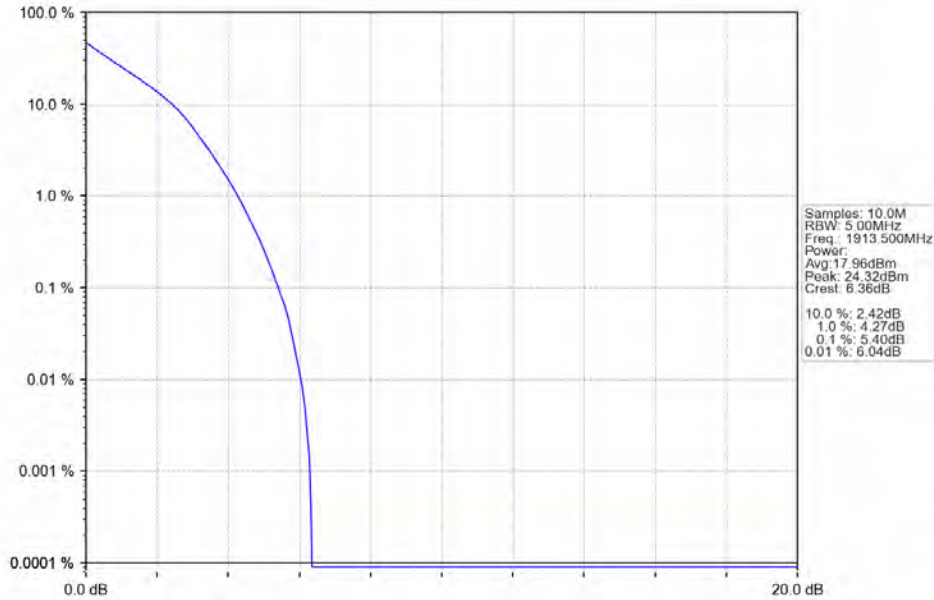


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Band25_3MHz_QPSK_HCH_1913.5MHz_RB_15_0_NTNV



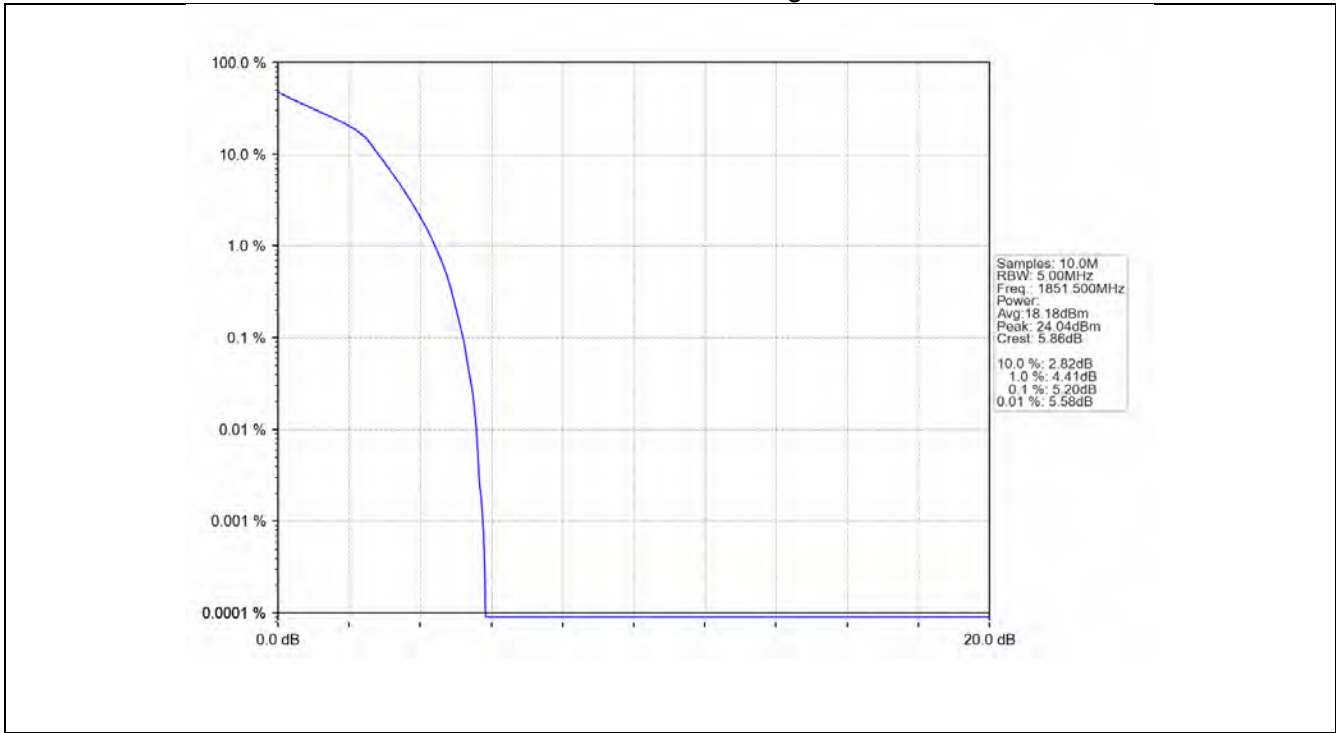
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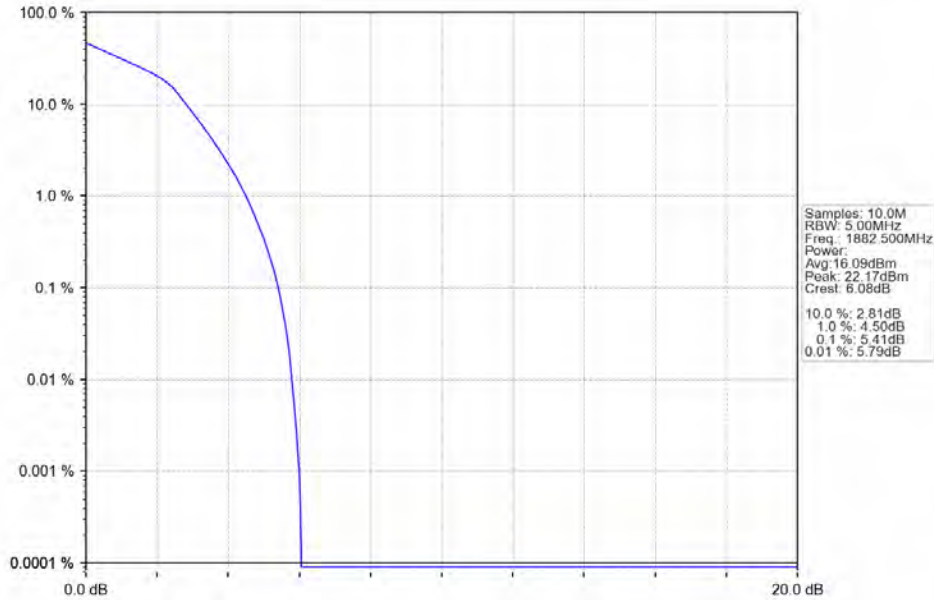


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Band25_3MHz_16QAM_MCH_1882.5MHz_RB_15_0_NTNV



Band25_3MHz_16QAM_HCH_1913.5MHz_RB_15_0_NTNV



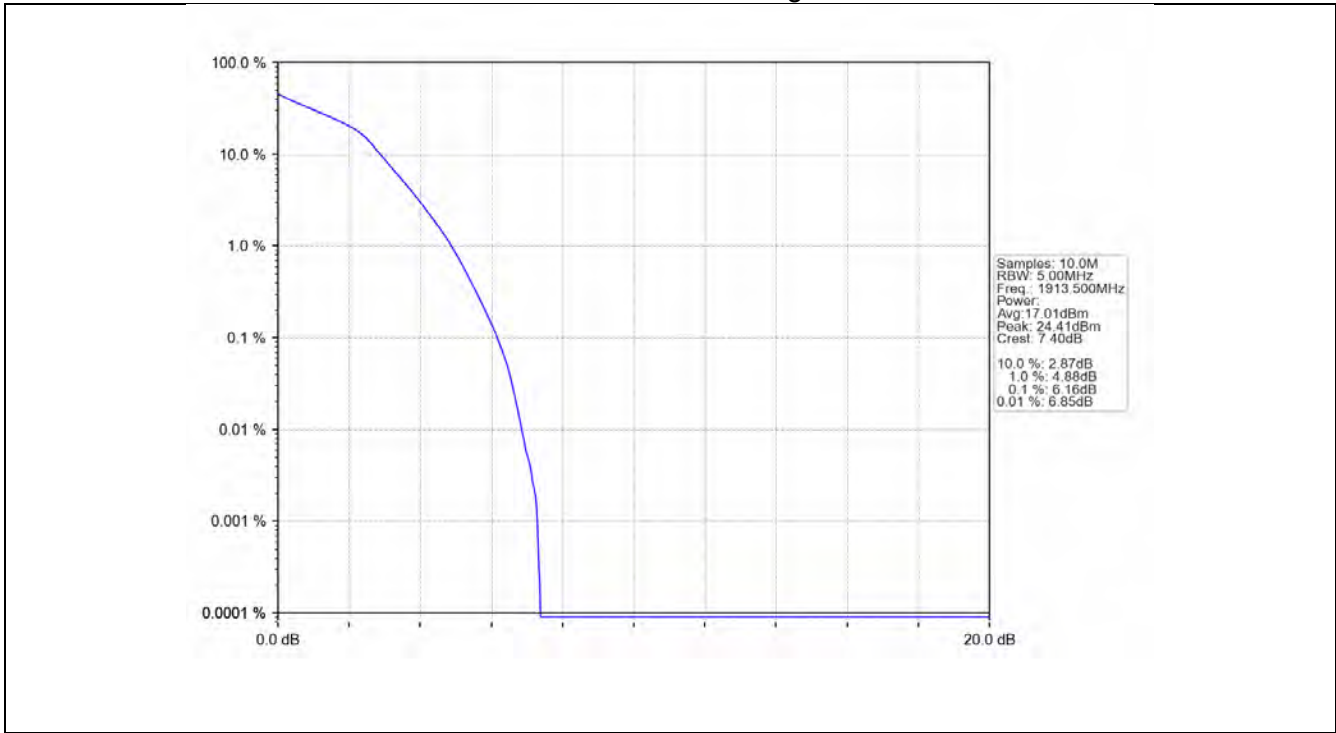
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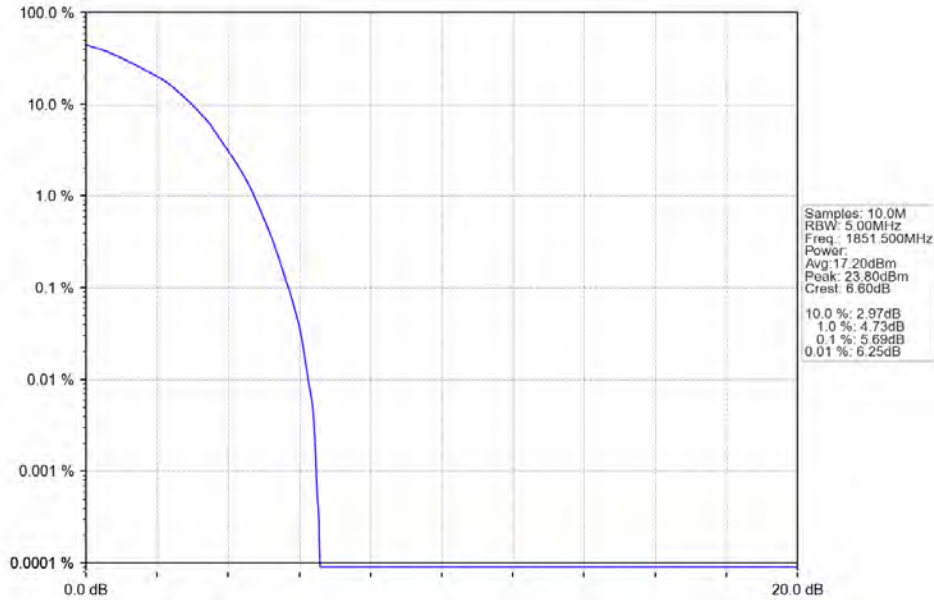


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Band25_3MHz_64QAM_LCH_1851.5MHz_RB_15_0_NTNV



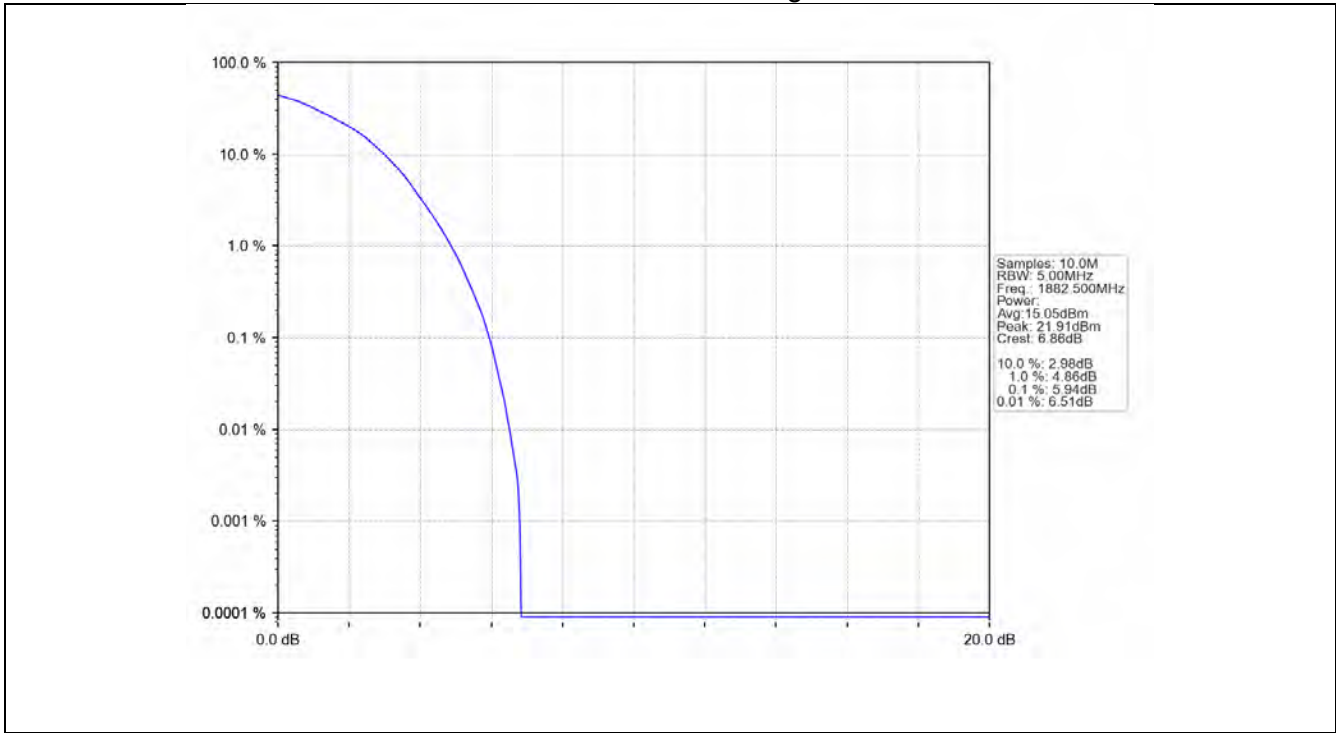
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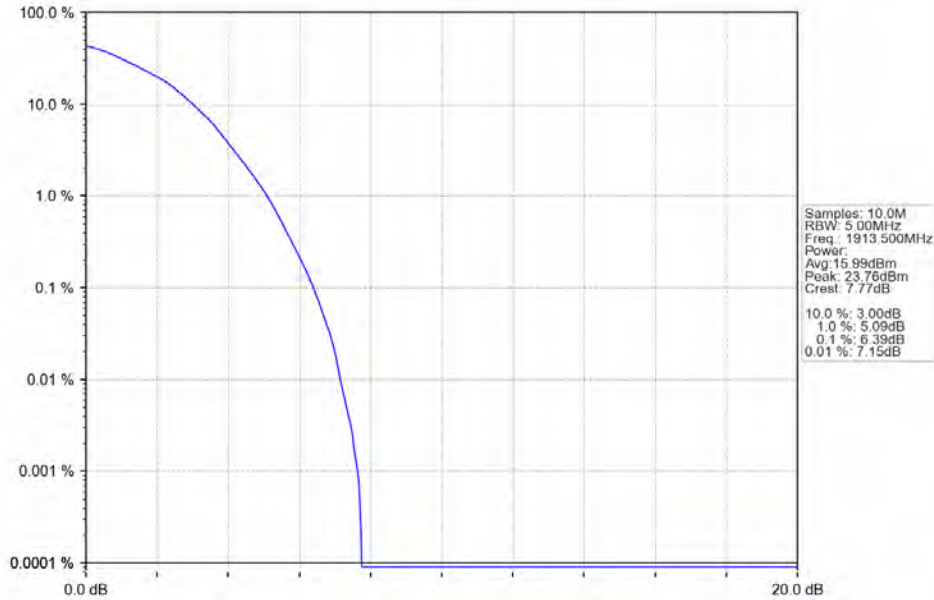


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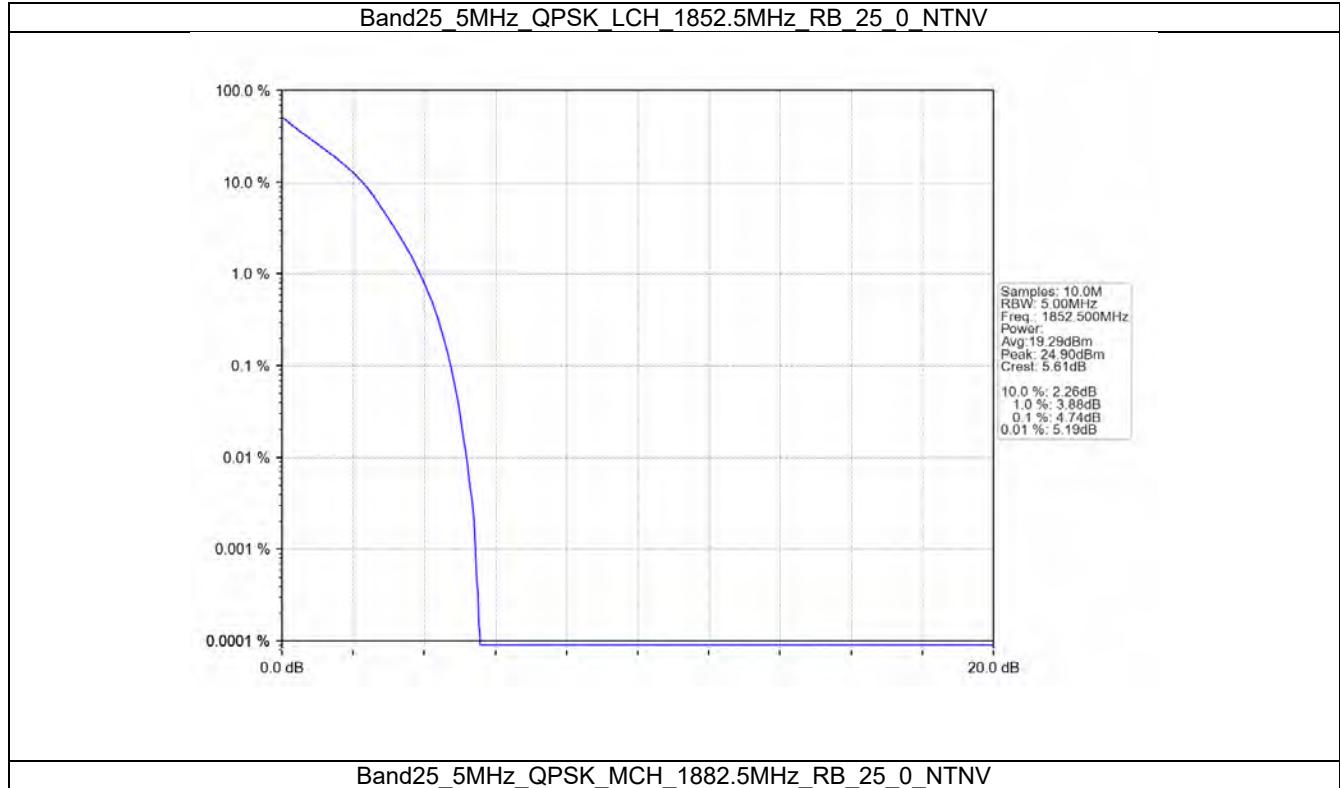
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4.3 B25_5MHz

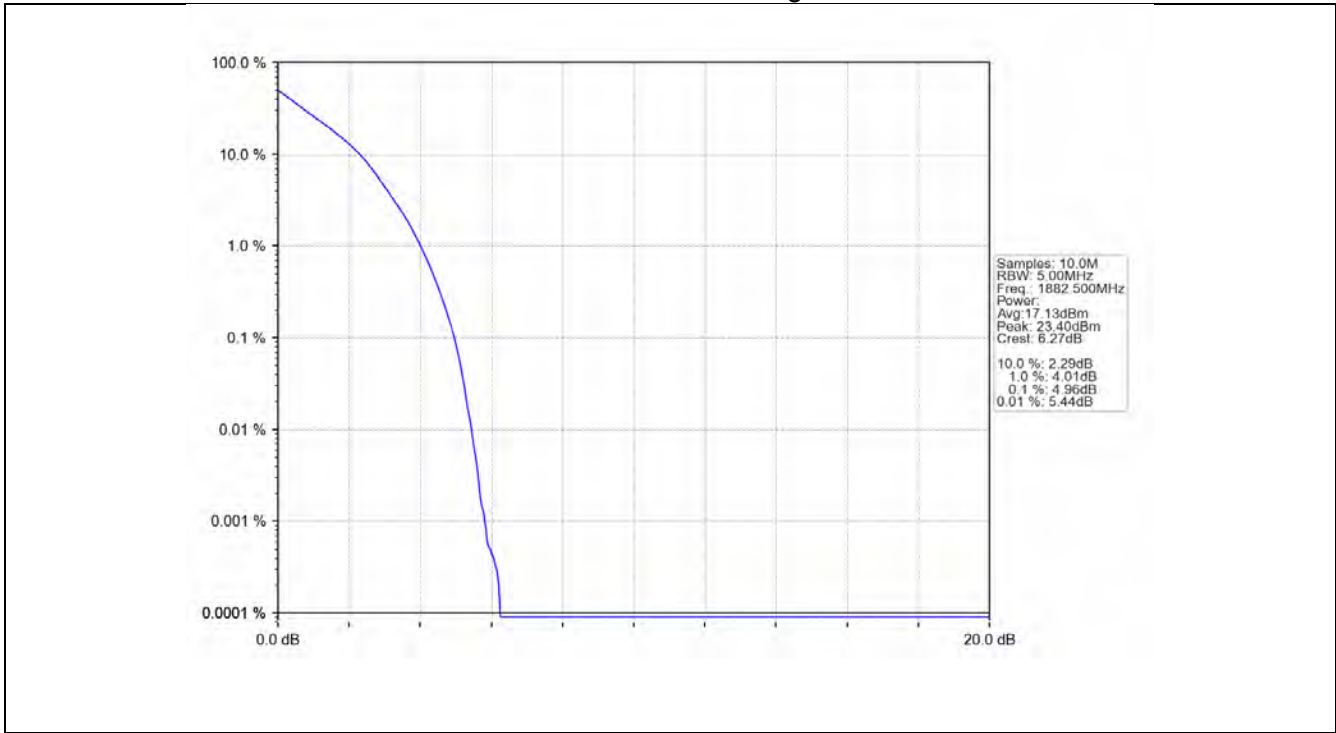
4.3.2 Test Graph



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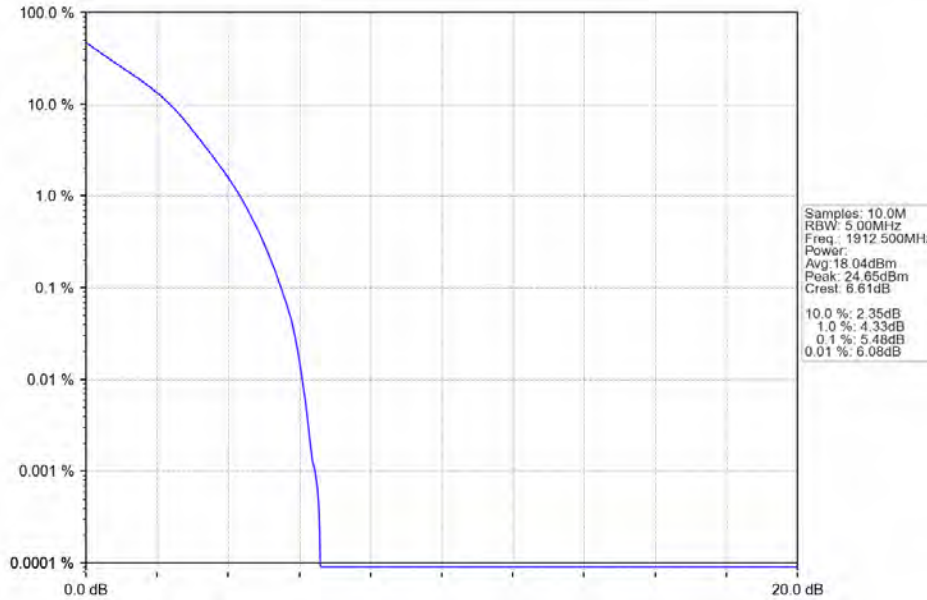


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Band25_5MHz_QPSK_HCH_1912.5MHz_RB_25_0_NTNV



Band25_5MHz_16QAM_LCH_1852.5MHz_RB_25_0_NTNV

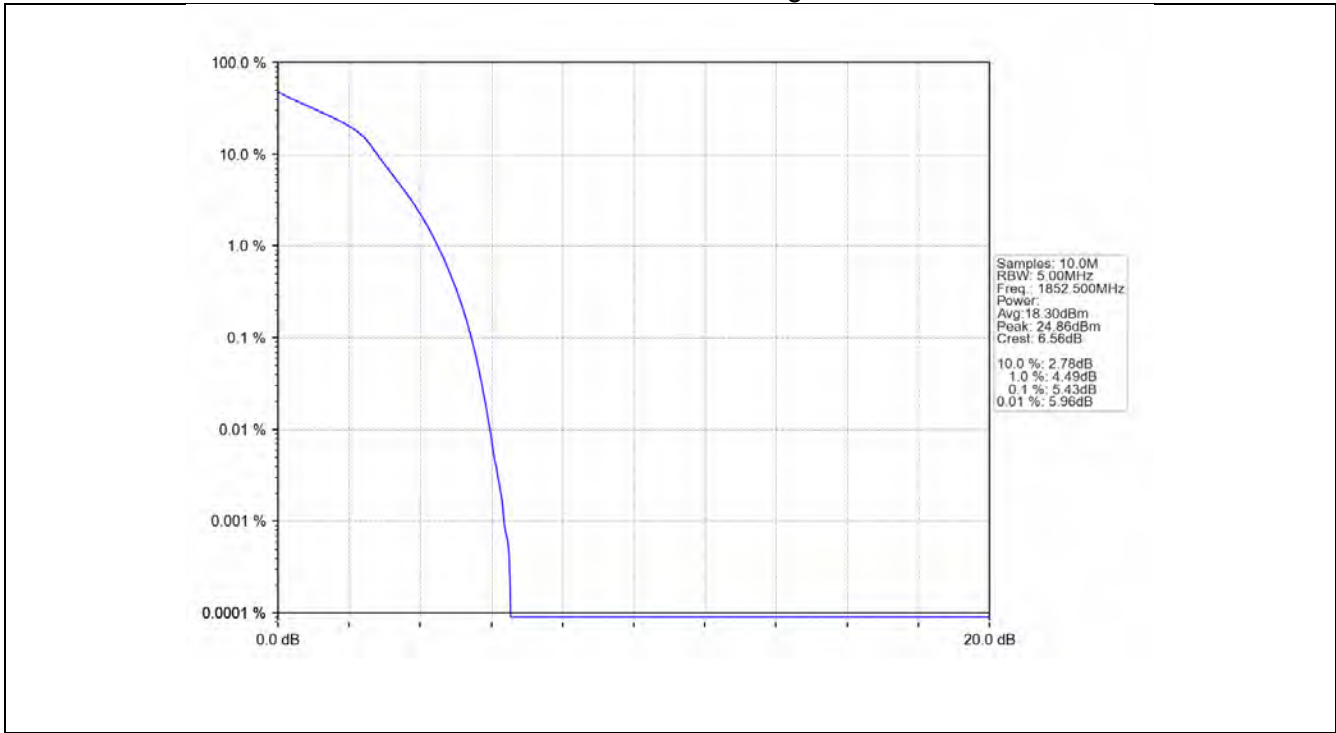


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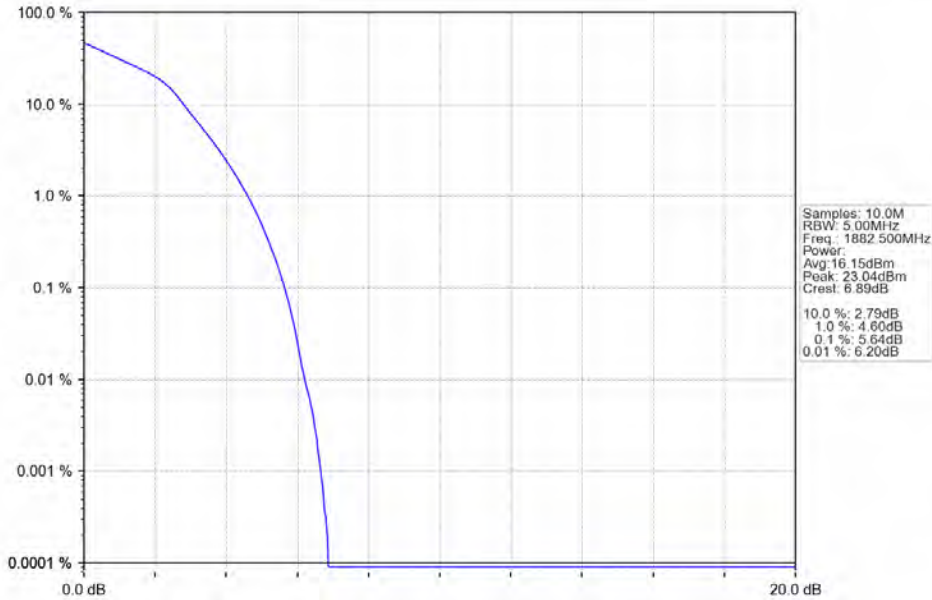


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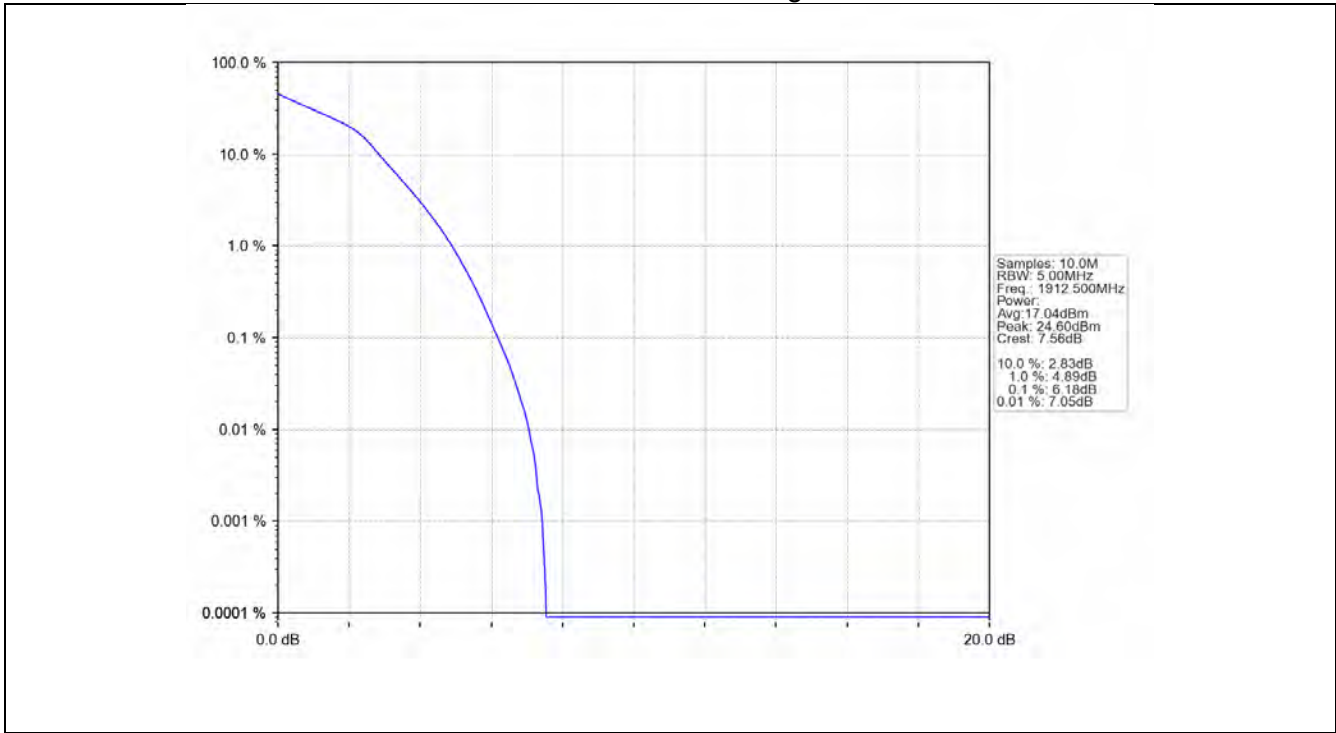
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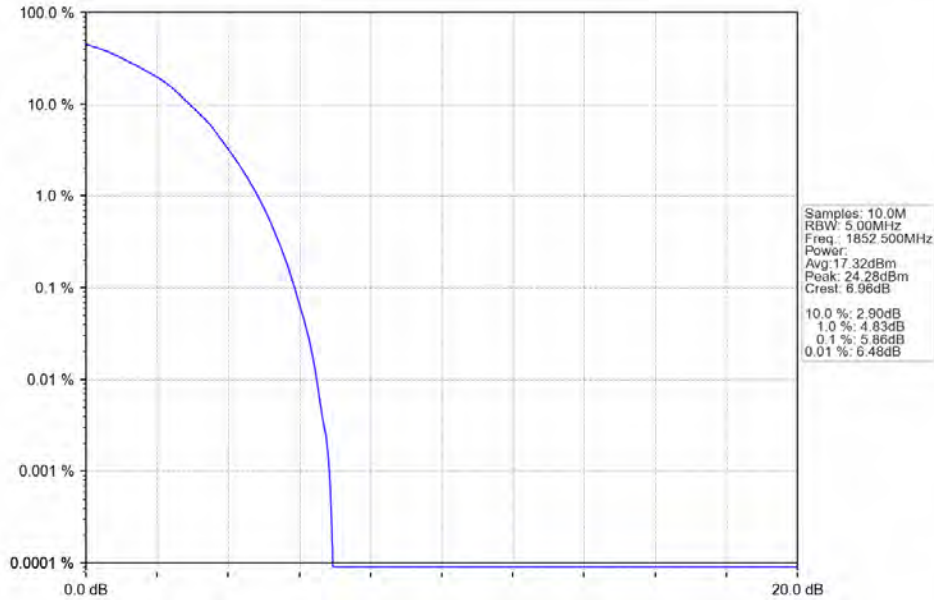


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Band25_5MHz_64QAM_LCH_1852.5MHz_RB_25_0_NTNV



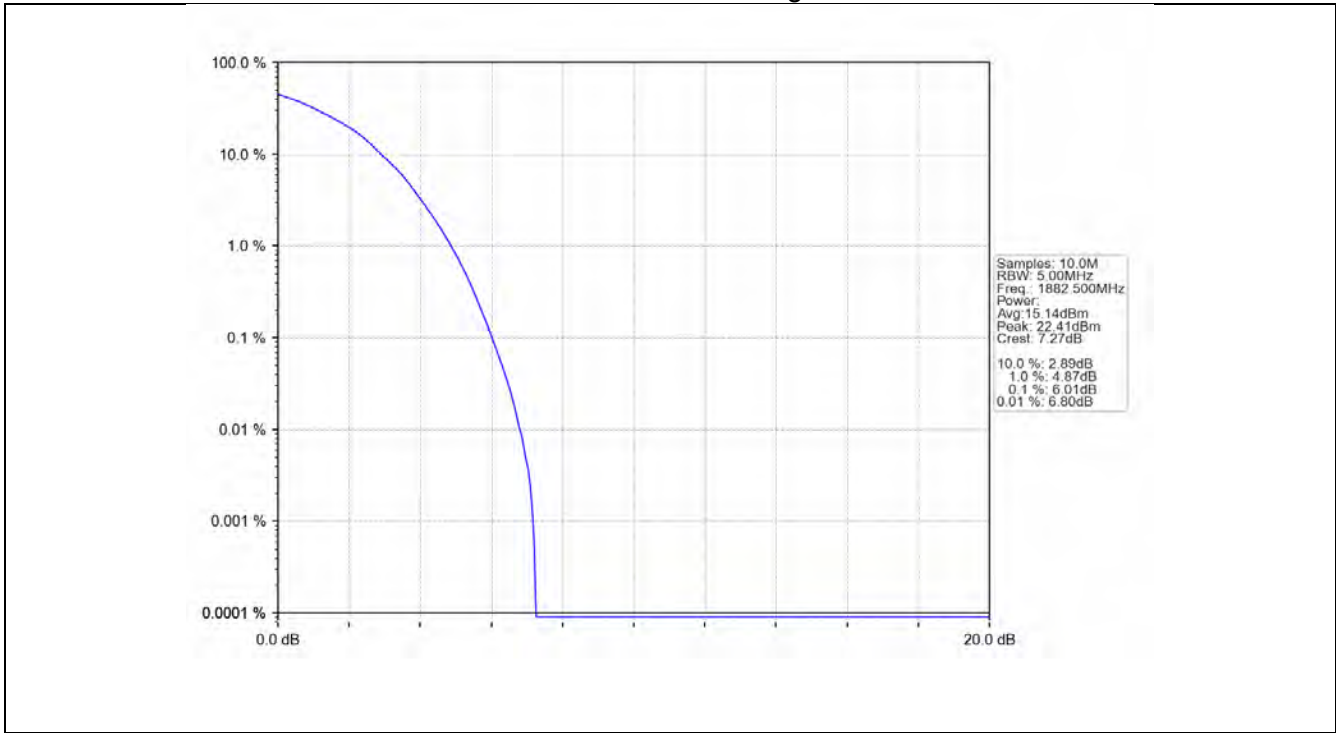
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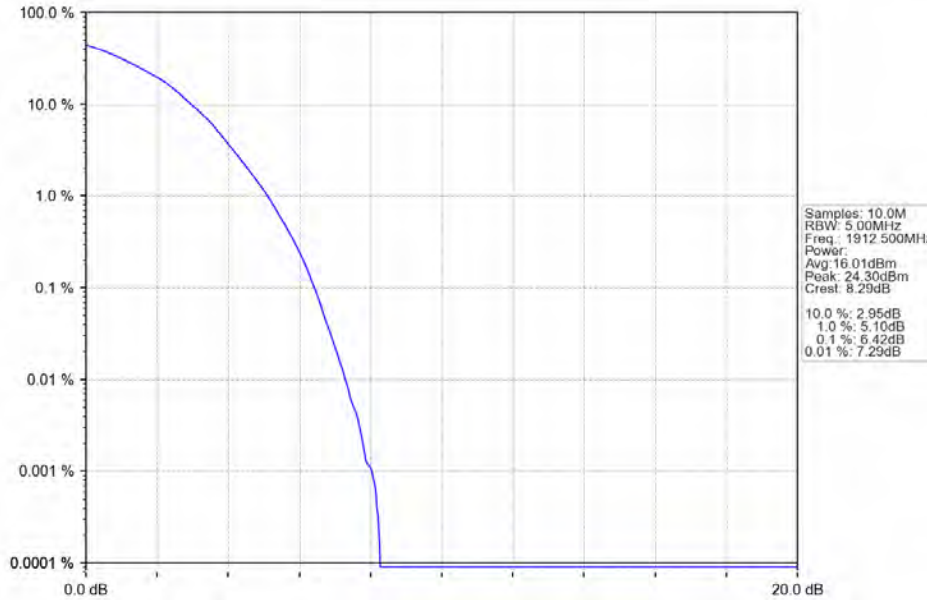


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Band25_5MHz_64QAM_HCH_1912.5MHz_RB_25_0_NTNV



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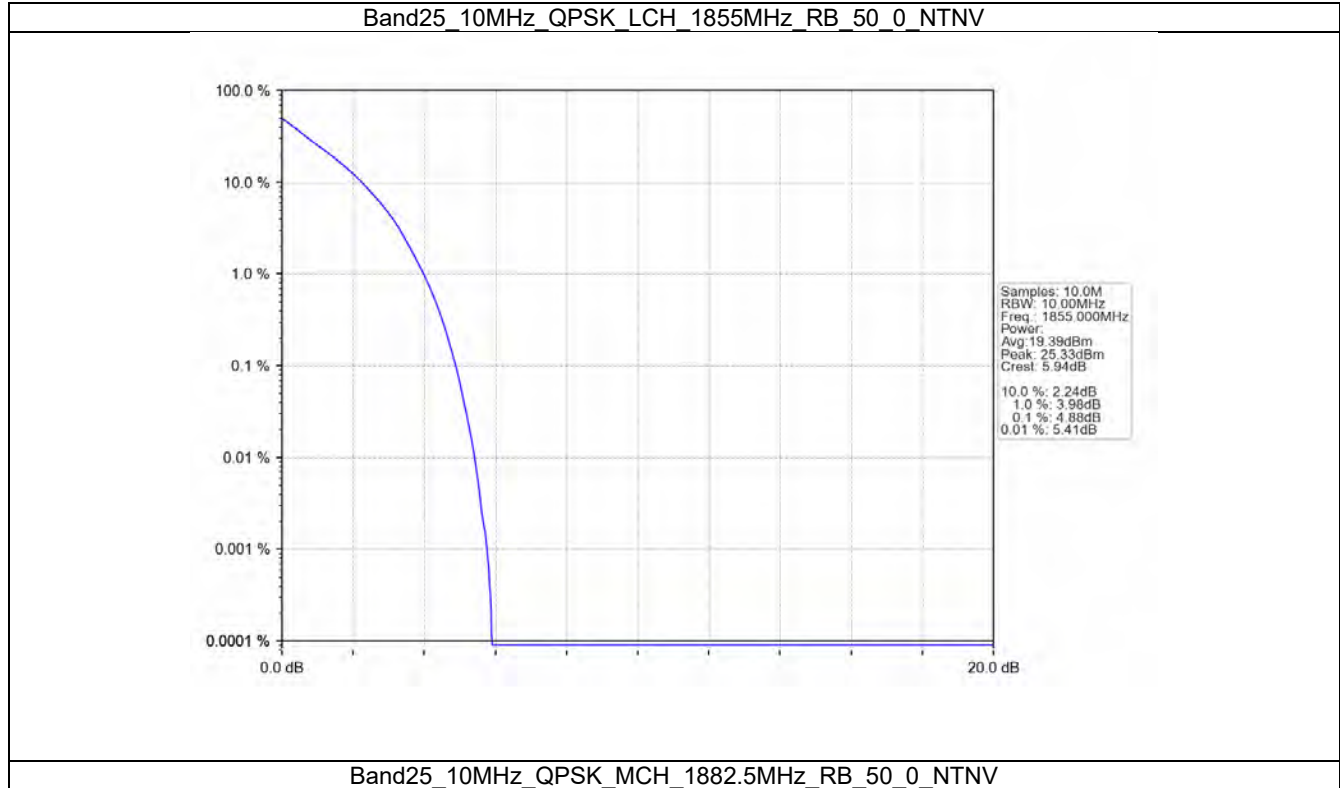
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4.4 B25_10MHz

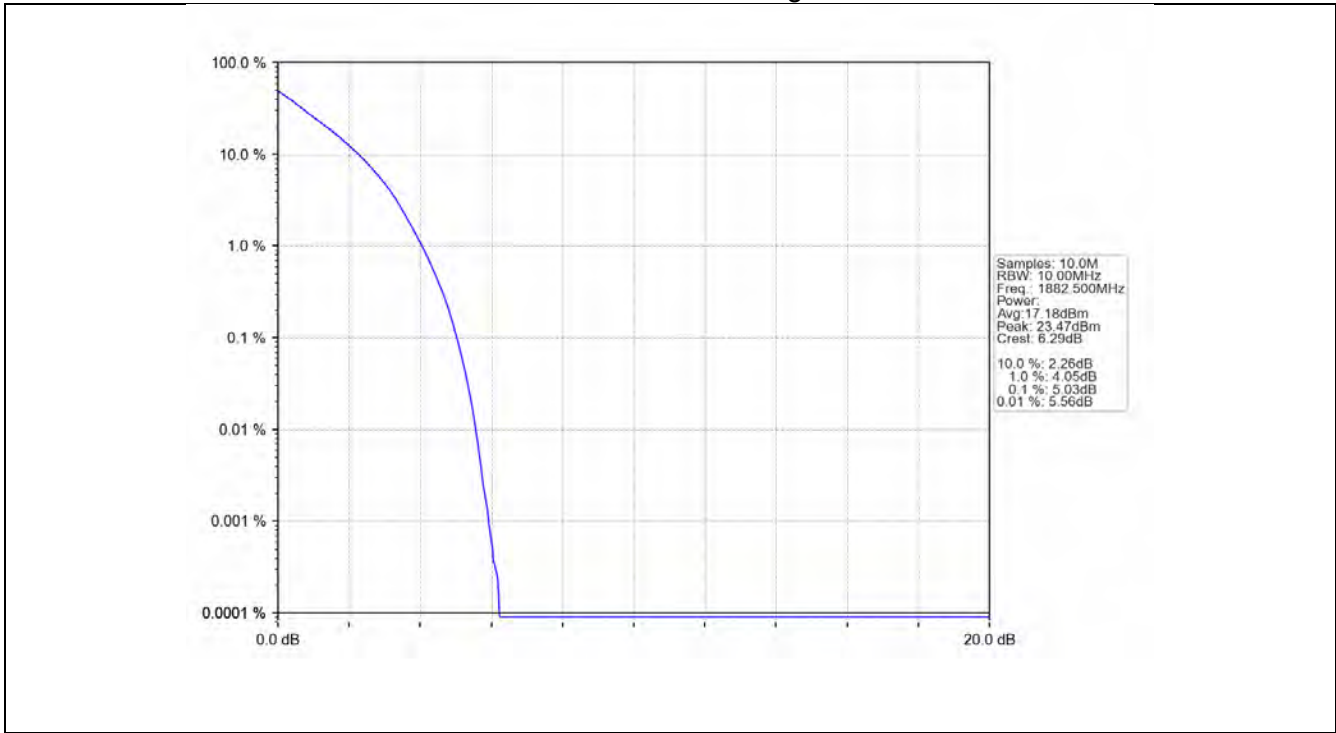
4.4.2 Test Graph



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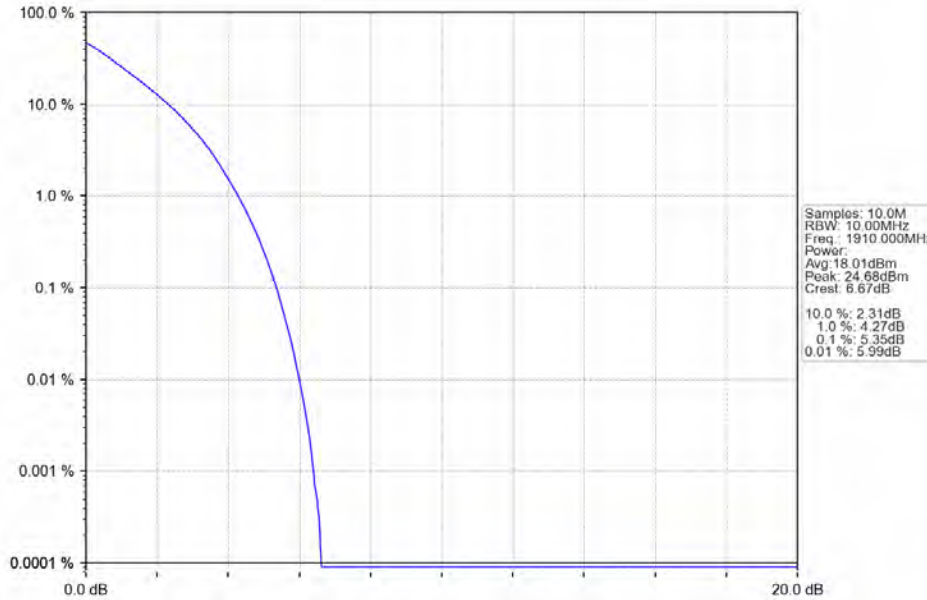


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Rev.: 01

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Band25_10MHz_QPSK_HCH_1910MHz_RB_50_0_NTNV



Band25_10MHz_16QAM_LCH_1855MHz_RB_50_0_NTNV



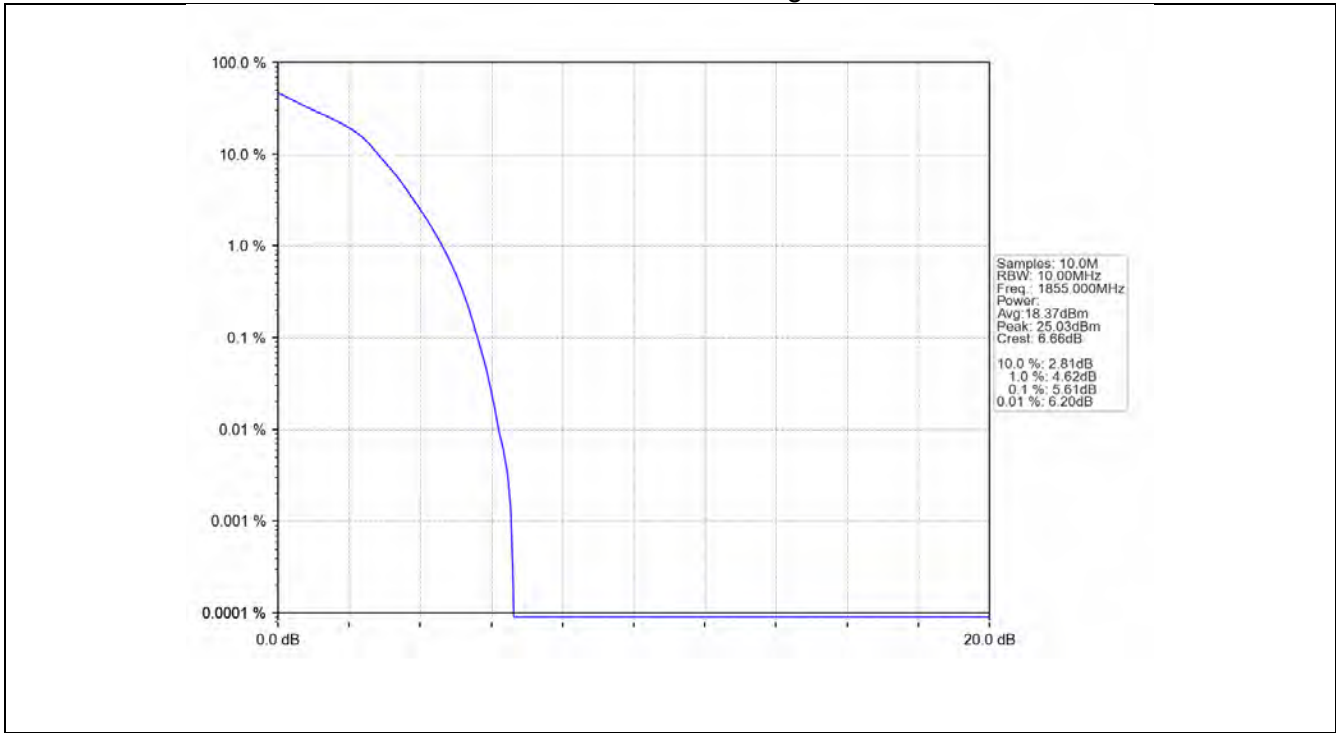
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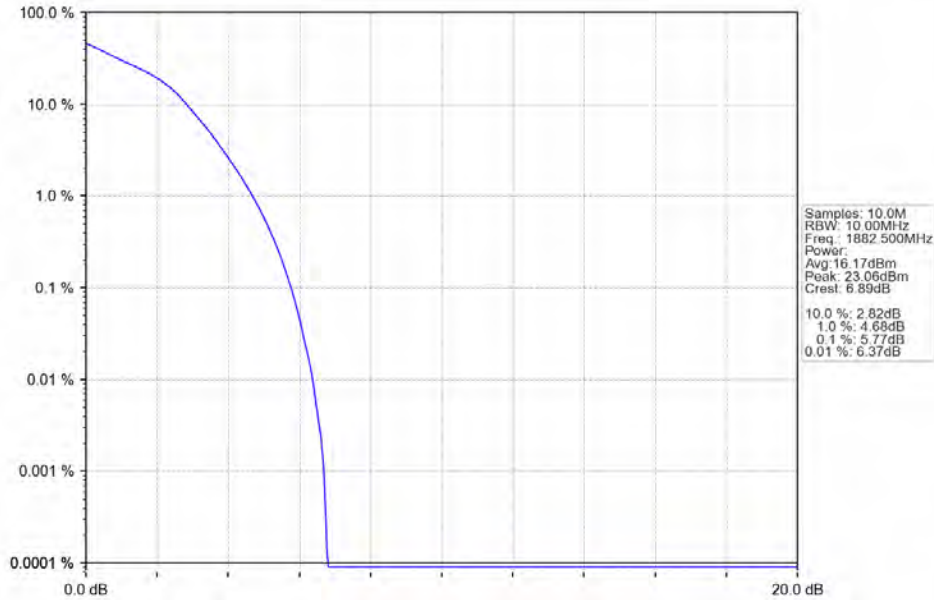


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Band25_10MHz_16QAM_MCH_1882.5MHz_RB_50_0_NTNV



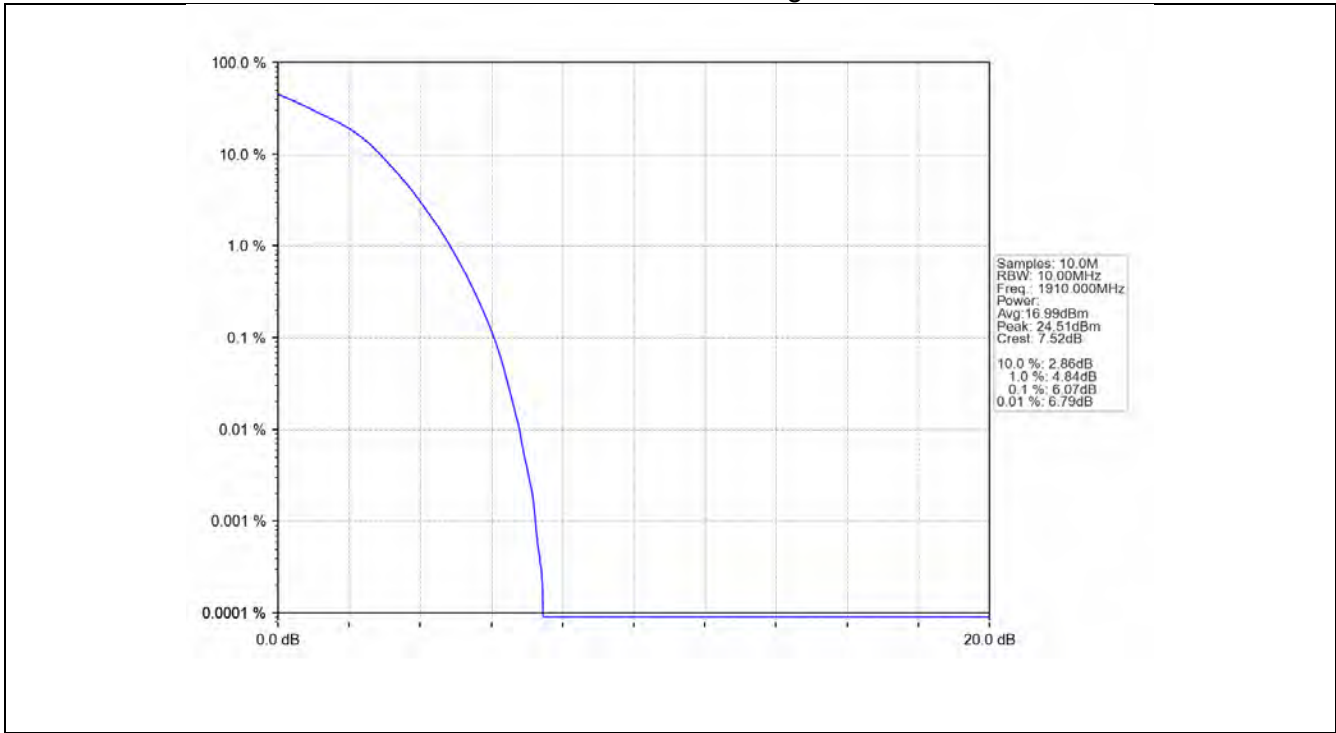
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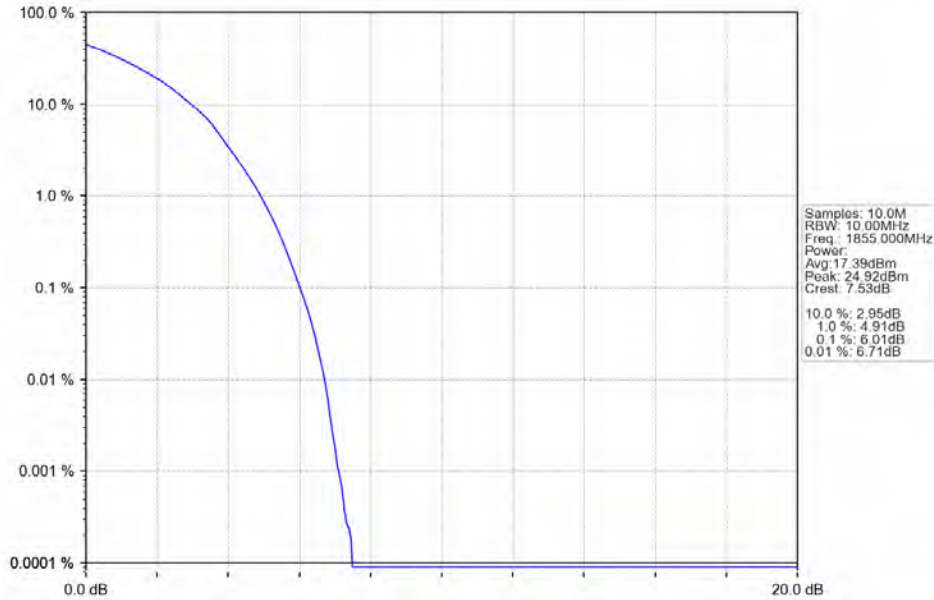


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Band25_10MHz_64QAM_LCH_1855MHz_RB_50_0_NTNV



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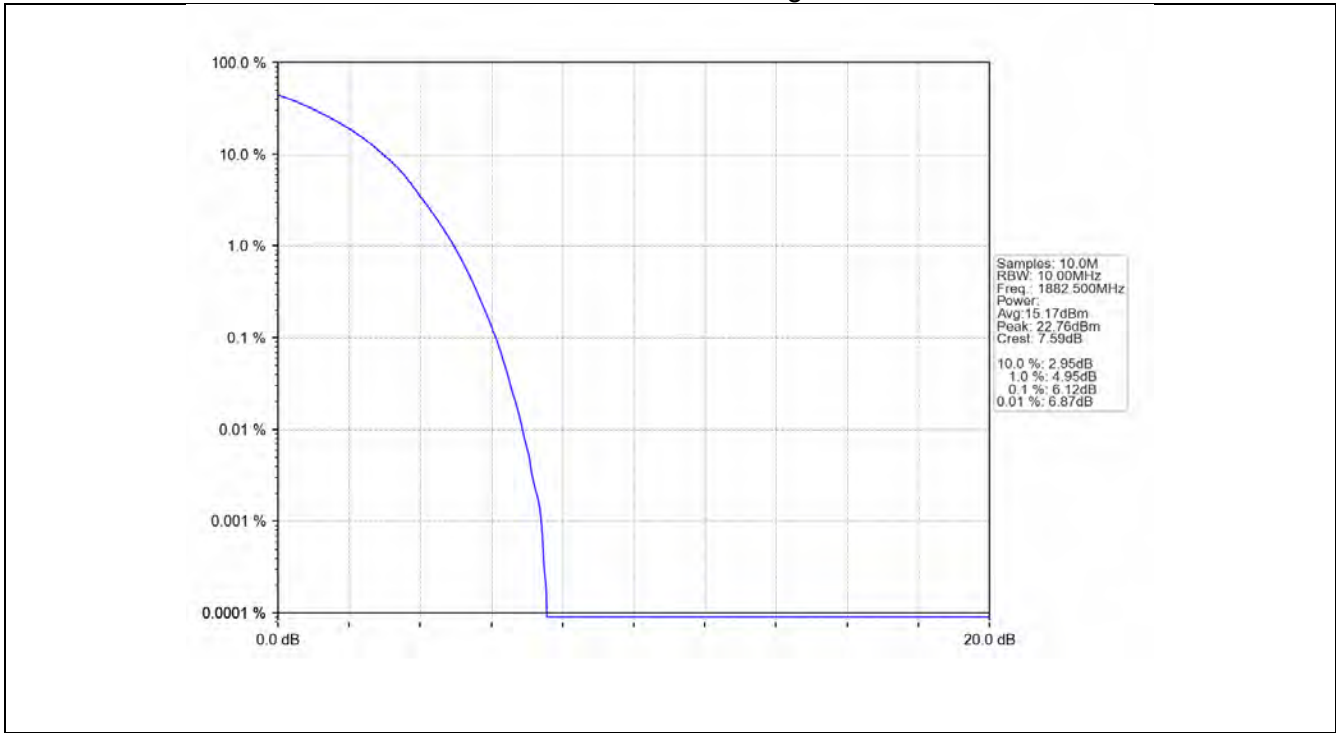


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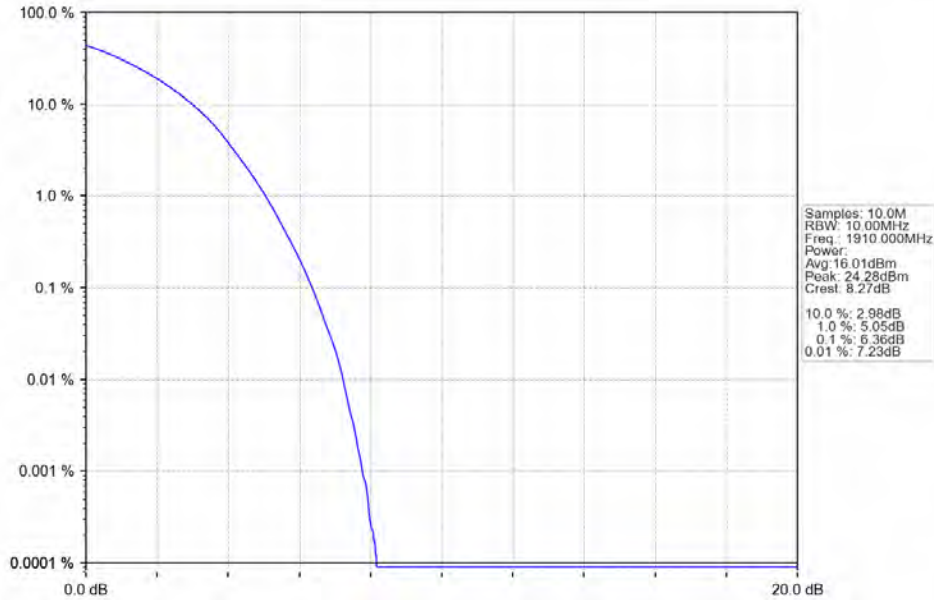


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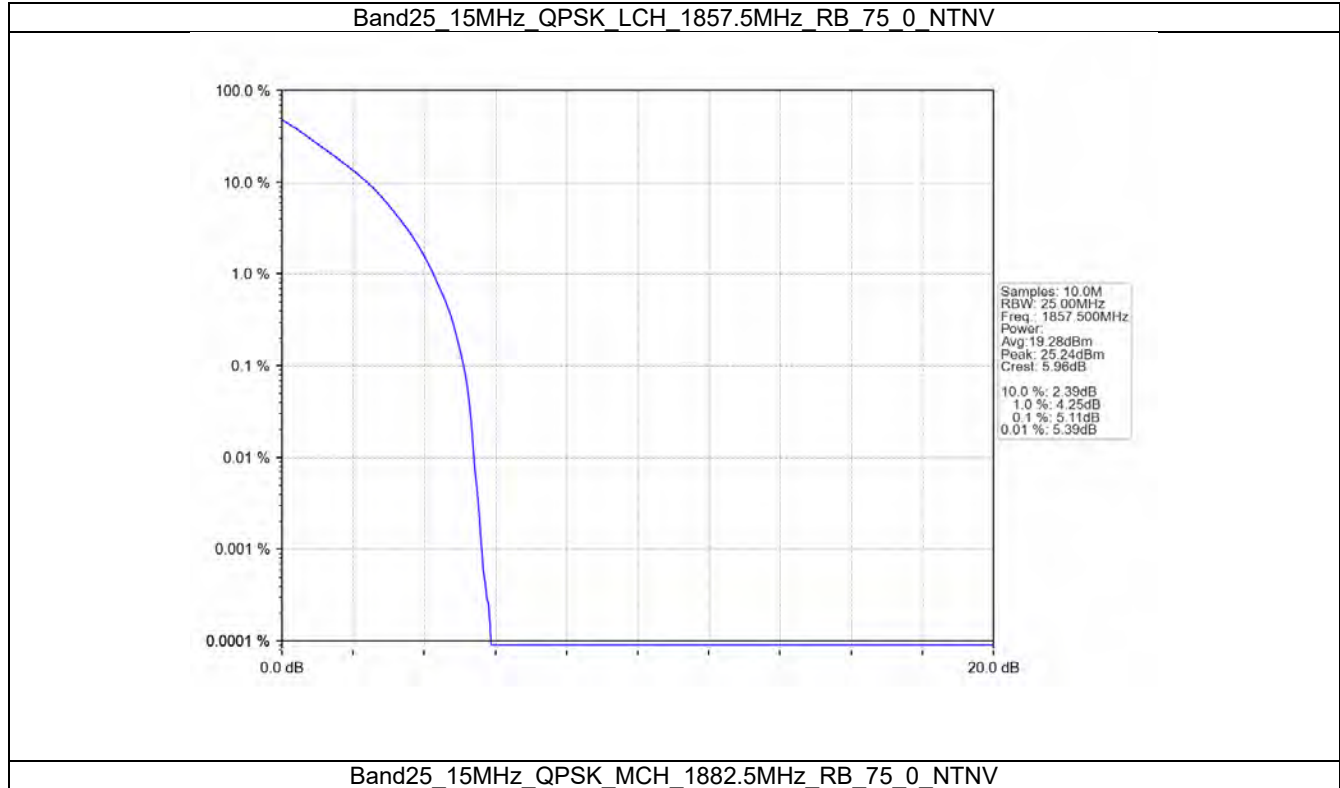
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4.5 B25_15MHz

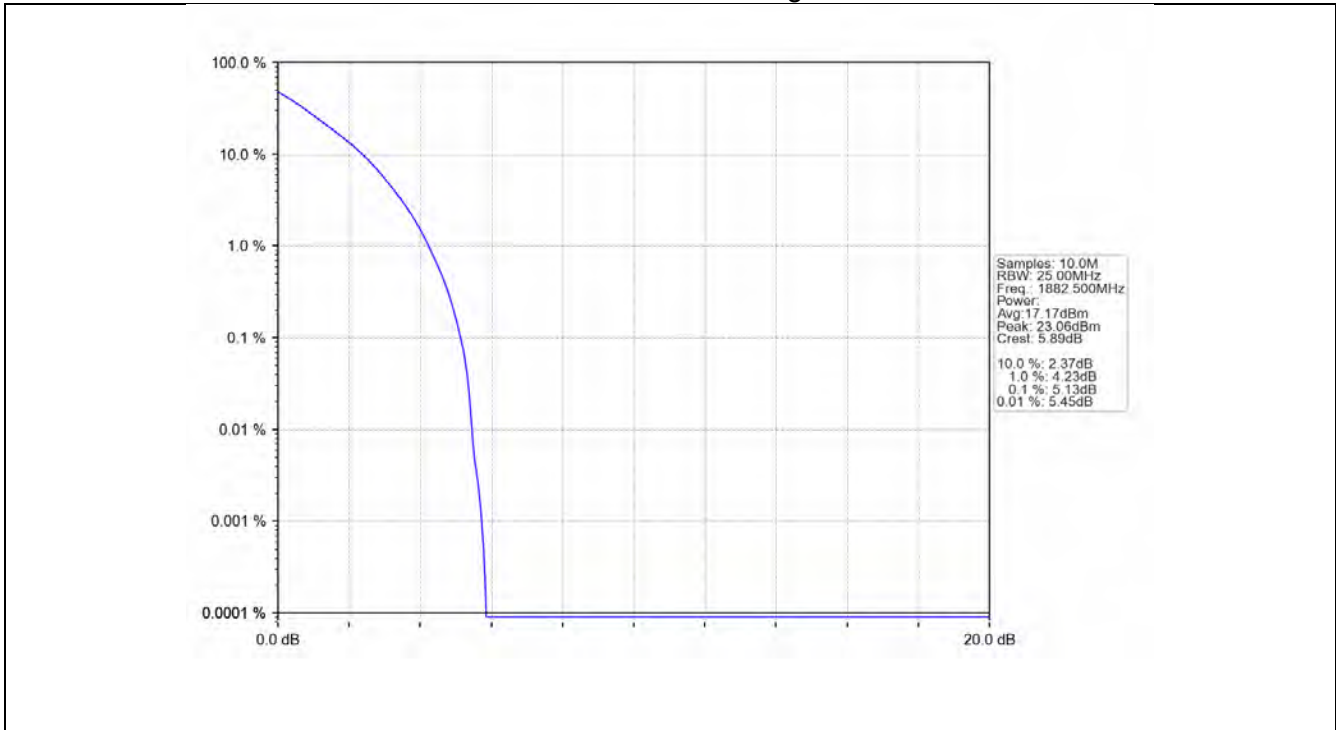
4.5.2 Test Graph



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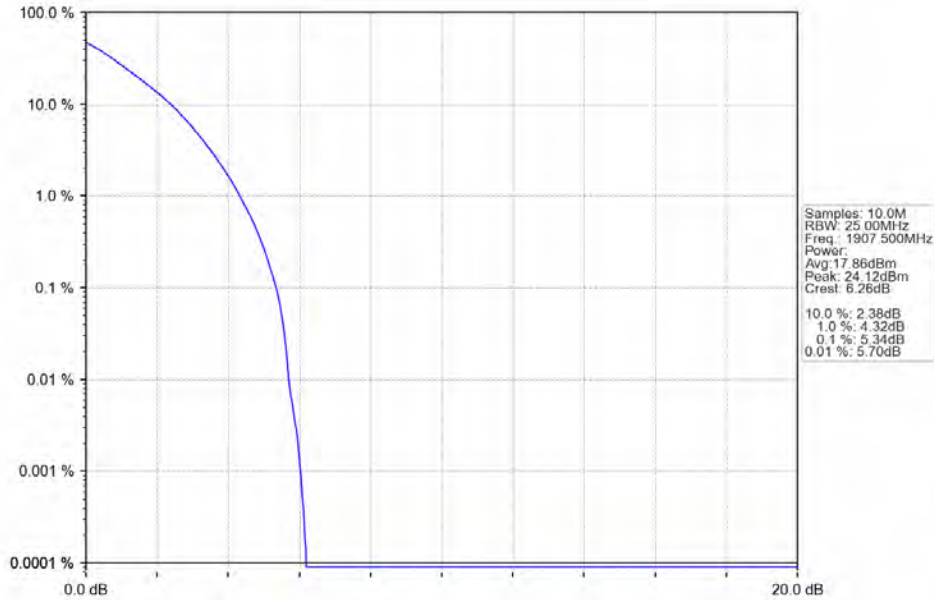


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Band25_15MHz_QPSK_HCH_1907.5MHz_RB_75_0_NTNV



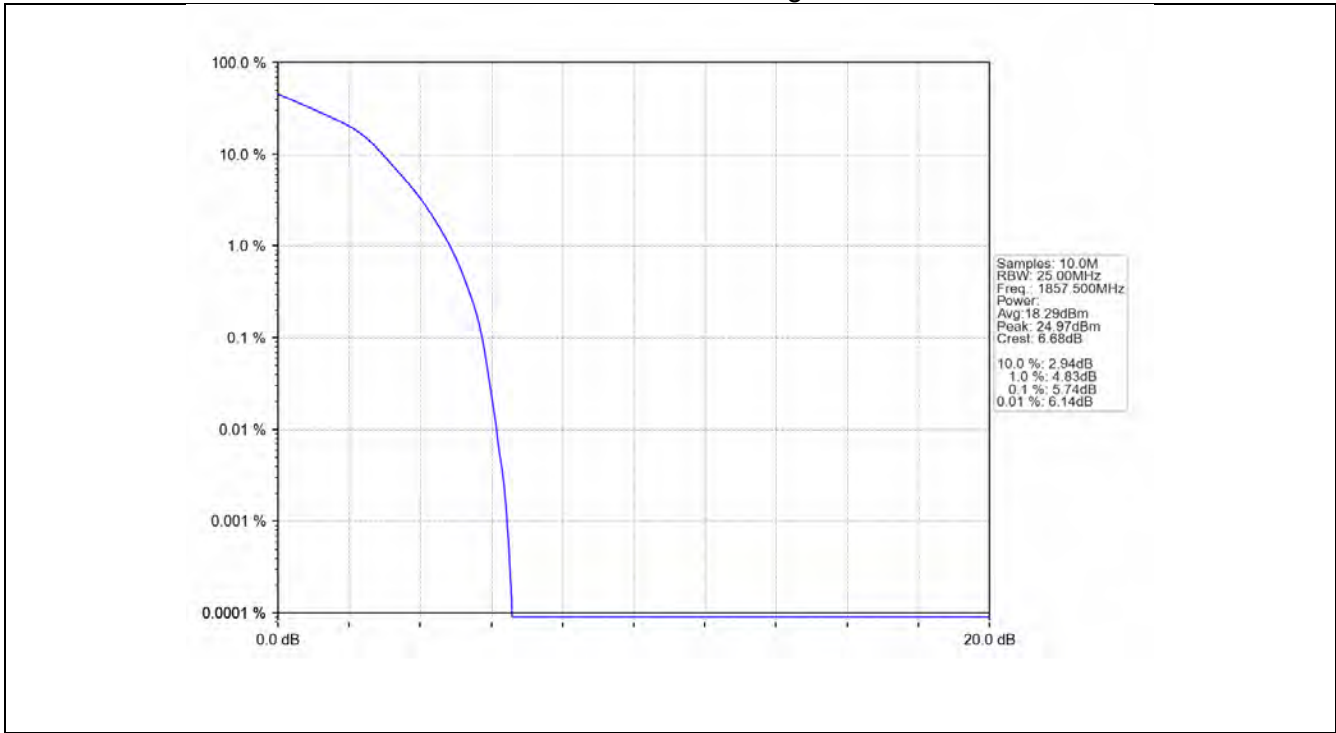
Band25_15MHz_16QAM_LCH_1857.5MHz_RB_75_0_NTNV



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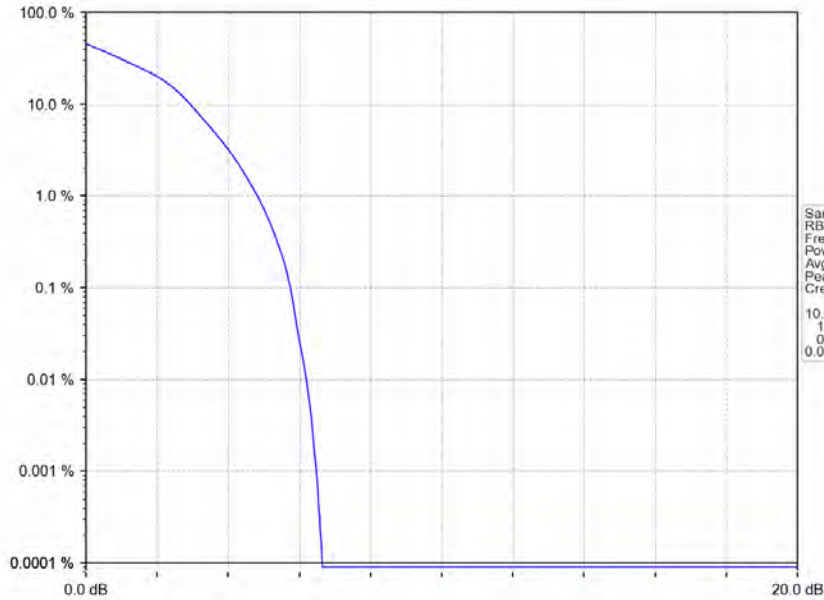


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Band25_15MHz_16QAM_MCH_1882.5MHz_RB_75_0_NTNV



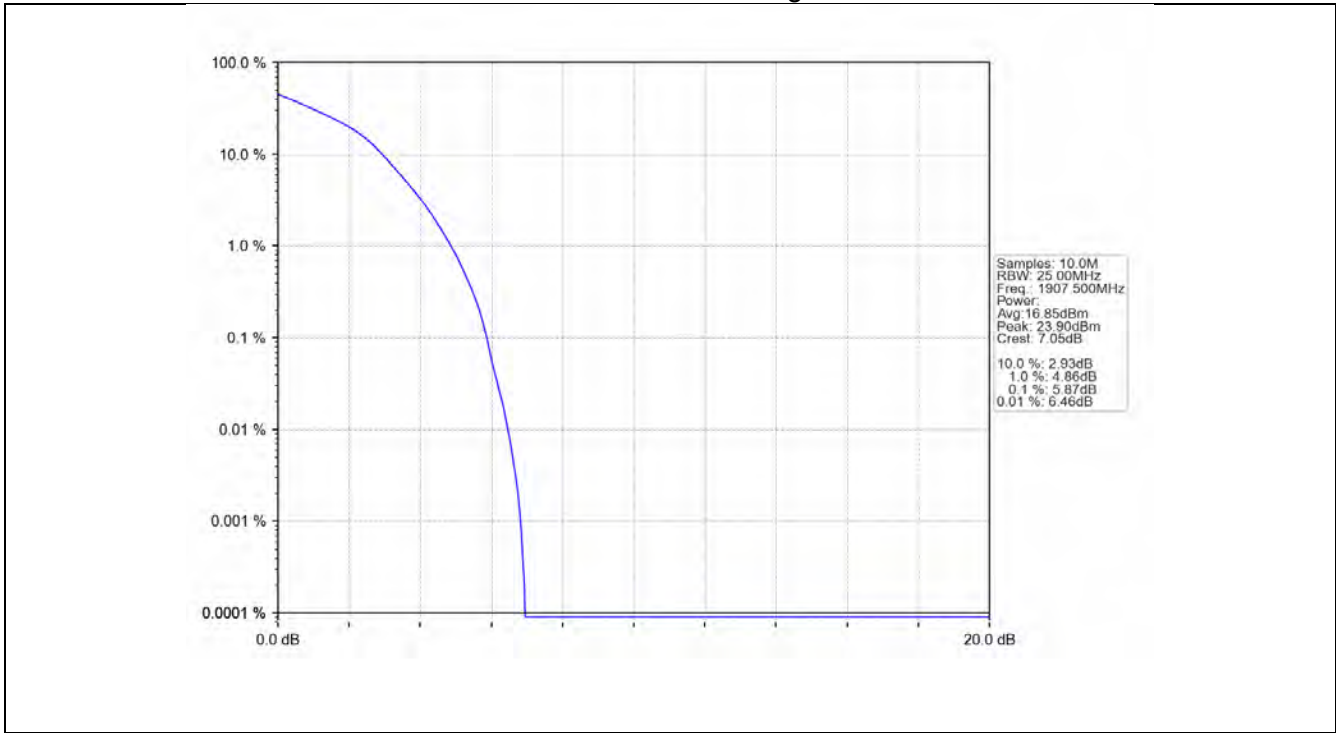
Samples: 10.0M
 RBW: 25.00MHz
 Freq: 1882.500MHz
 Power:
 Avg: 16.20dBm
 Peak: 22.89dBm
 Crest: 6.69dB
 10.0%: 2.93dB
 1.0%: 4.82dB
 0.1%: 5.74dB
 0.01%: 6.19dB

Band25_15MHz_16QAM_HCH_1907.5MHz_RB_75_0_NTNV



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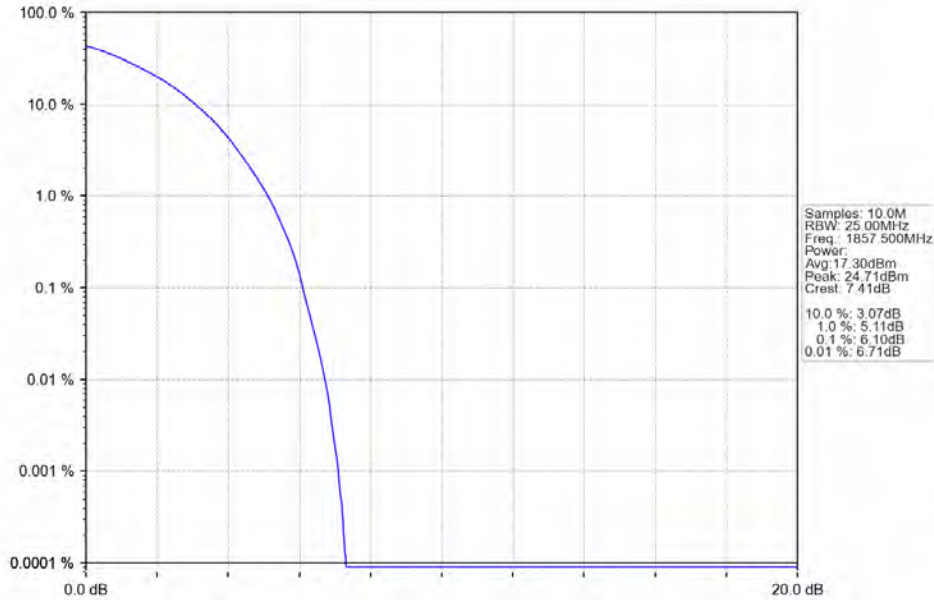


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Band25_15MHz_64QAM_LCH_1857.5MHz_RB_75_0_NTNV



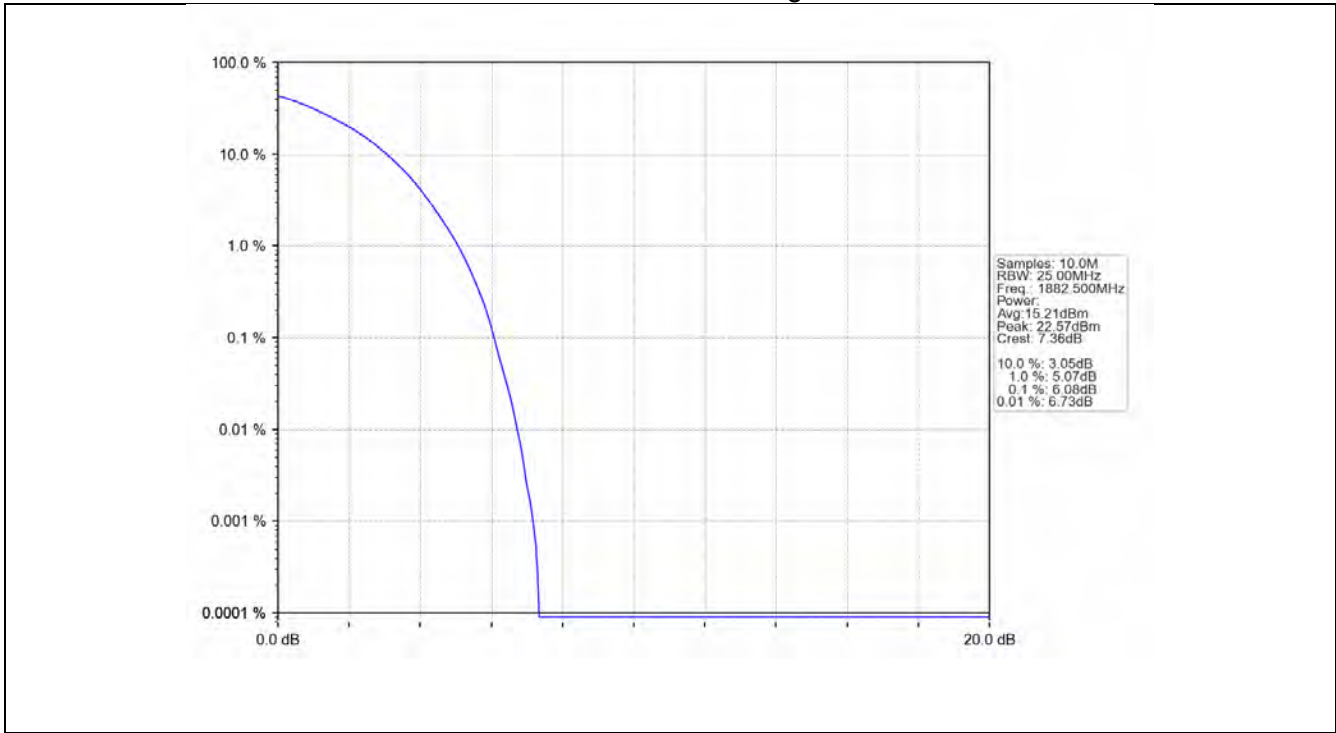
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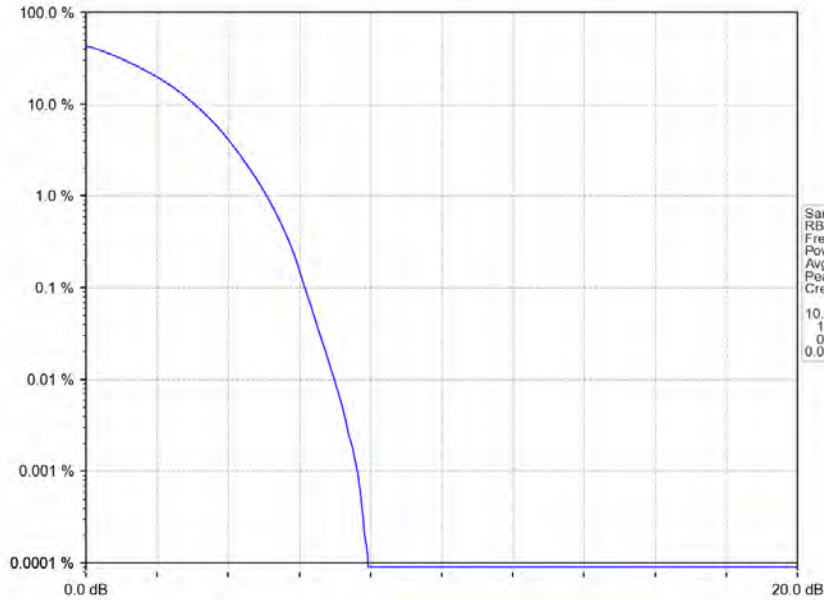


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Band25_15MHz_64QAM_HCH_1907.5MHz_RB_75_0_NTNV



Samples: 10.0M
 RBW: 25.00MHz
 Freq.: 1907.500MHz
 Power:
 Avg: 15.85dBm
 Peak: 23.89dBm
 Crest: 8.04dB
 10.0%: 3.04dB
 1.0%: 5.08dB
 0.1%: 6.15dB
 0.01%: 6.98dB



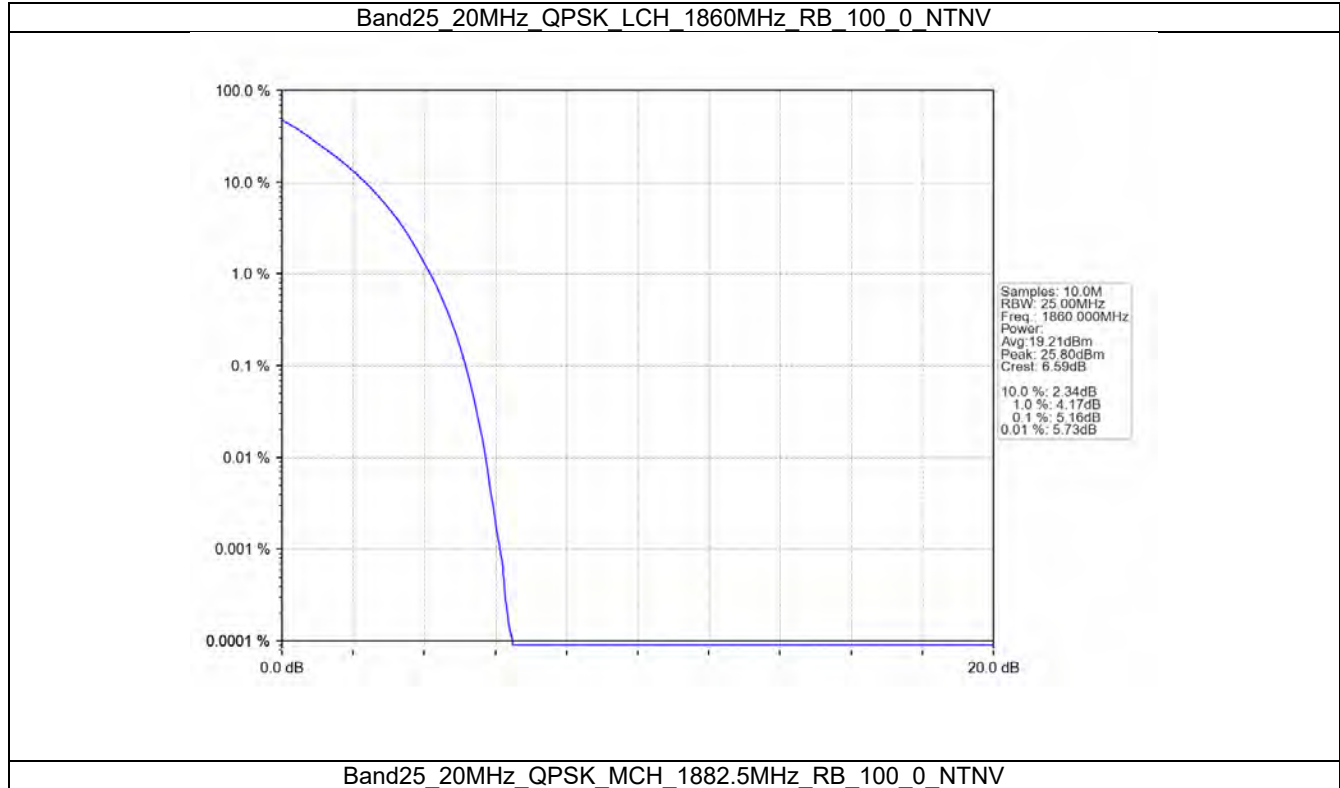
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4.6 B25_20MHz

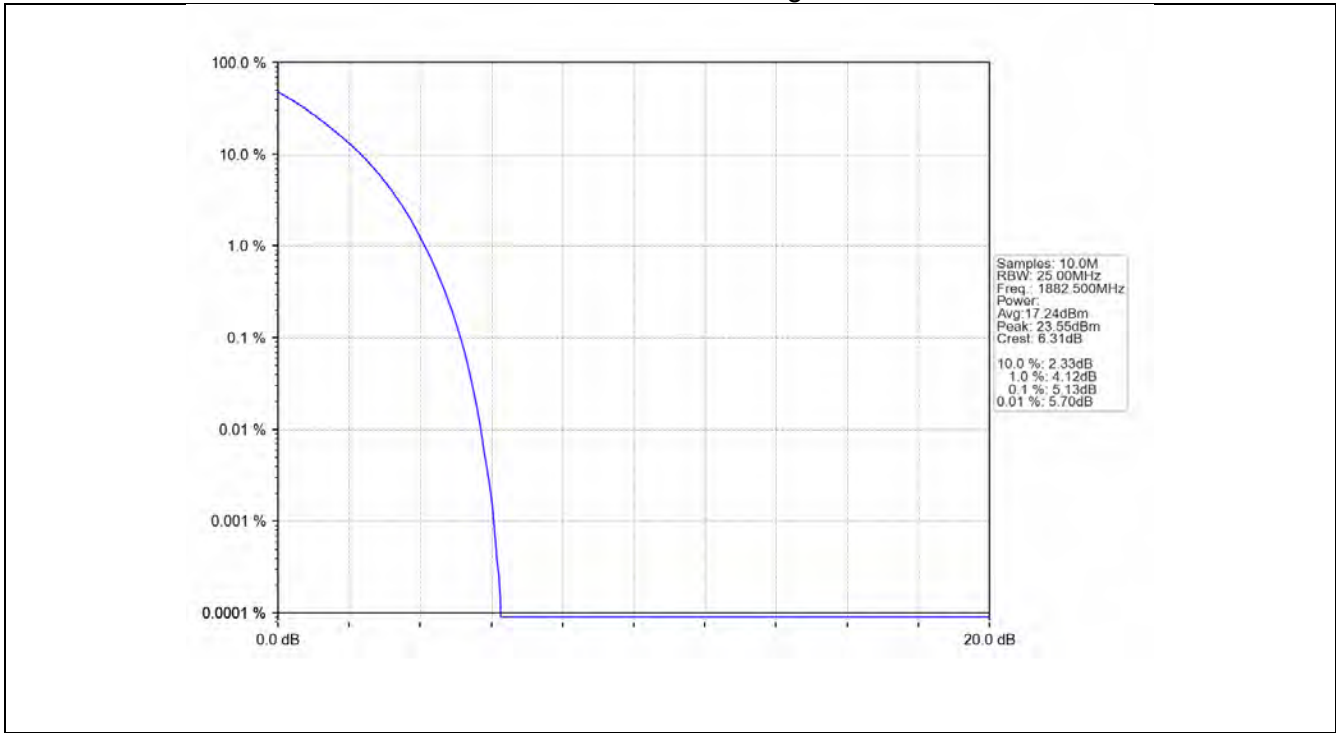
4.6.2 Test Graph



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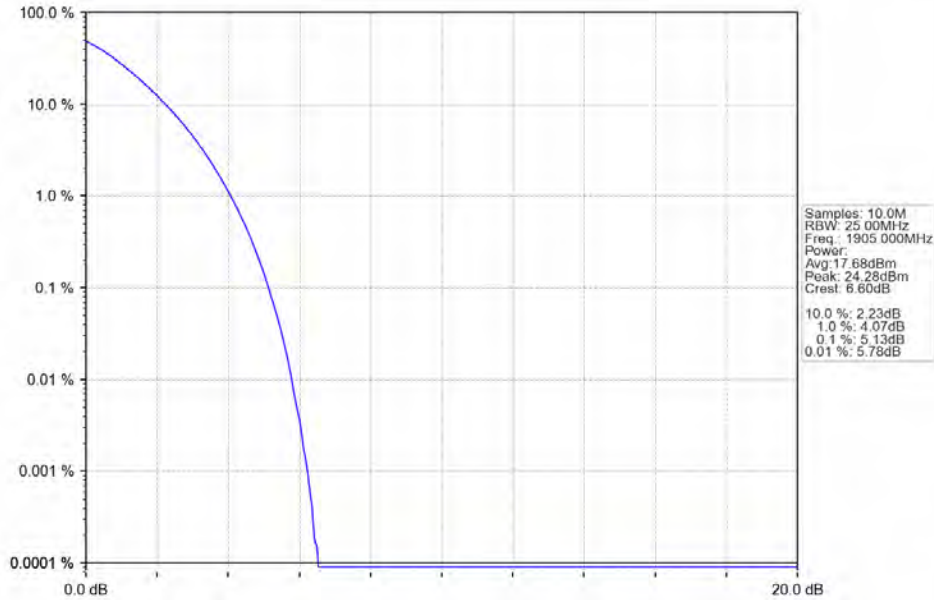


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Band25_20MHz_QPSK_HCH_1905MHz_RB_100_0_NTNV



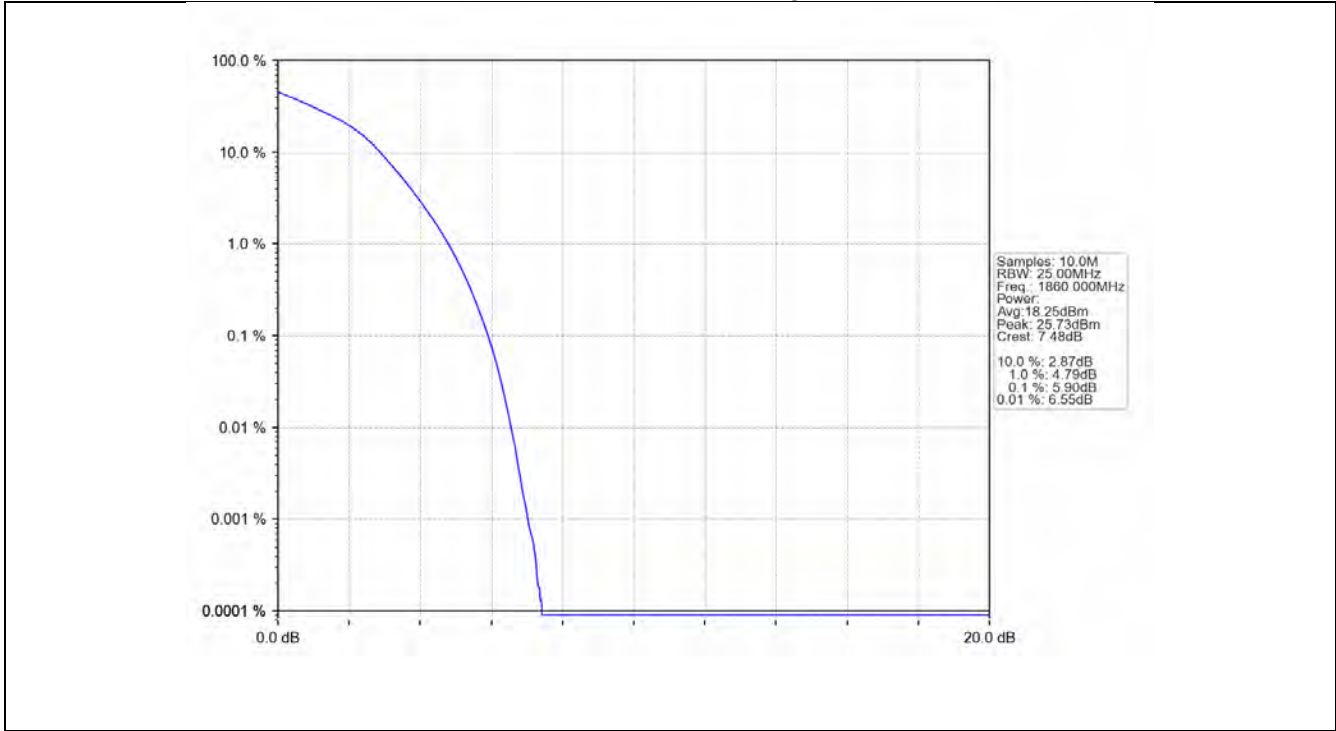
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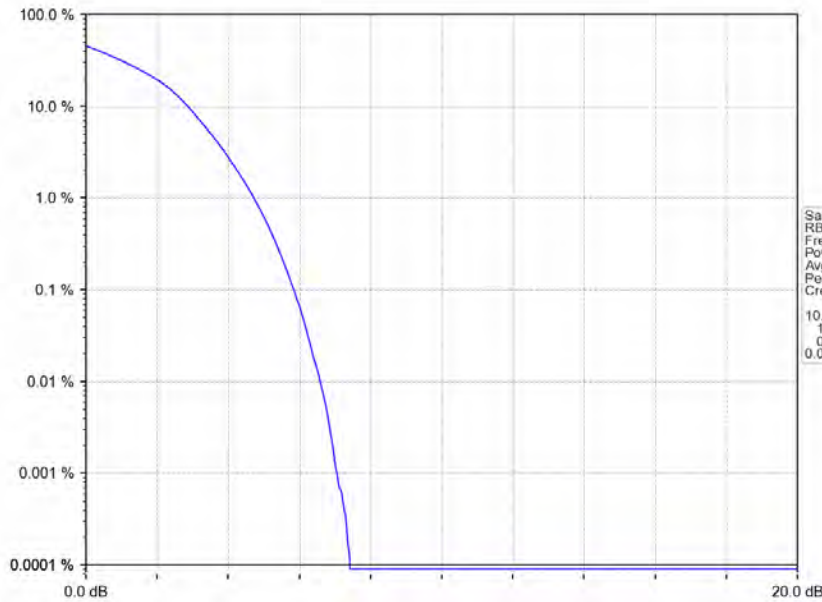


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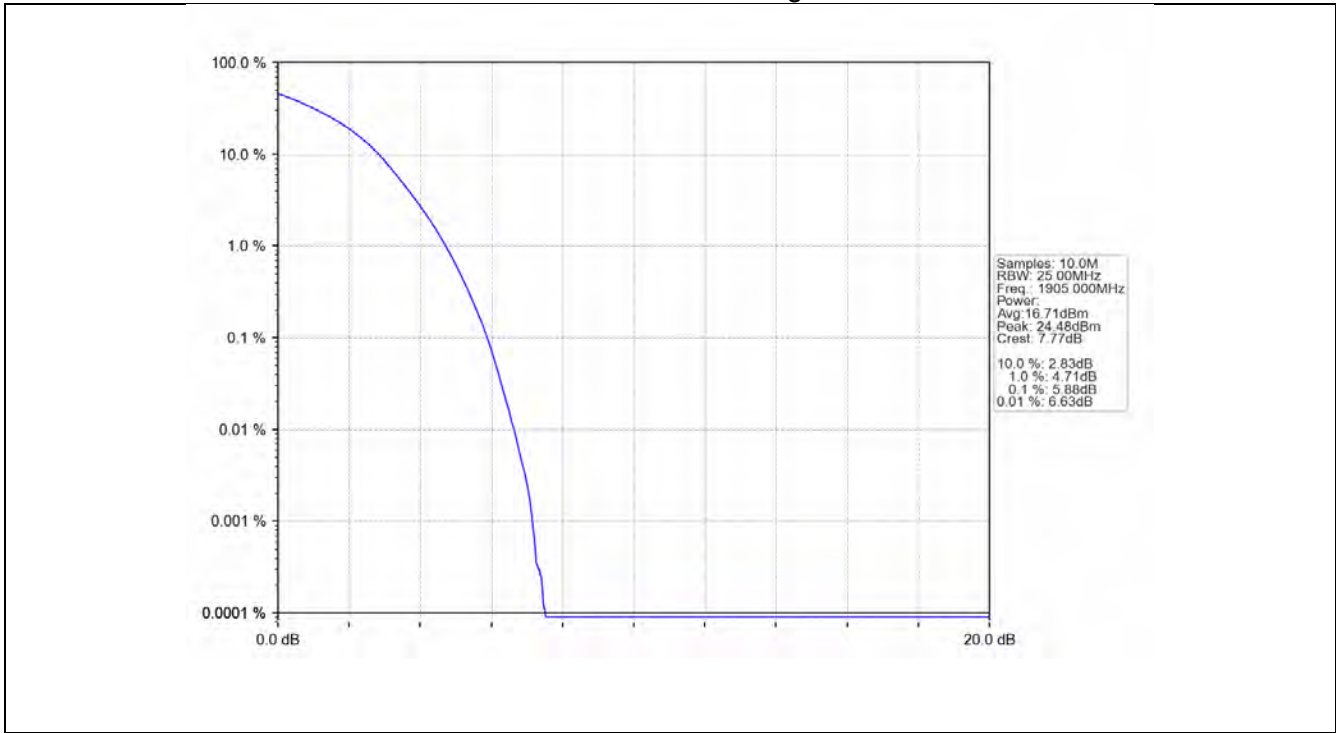
Band25_20MHz_16QAM_HCH_1905MHz_RB_100_0_NTNV



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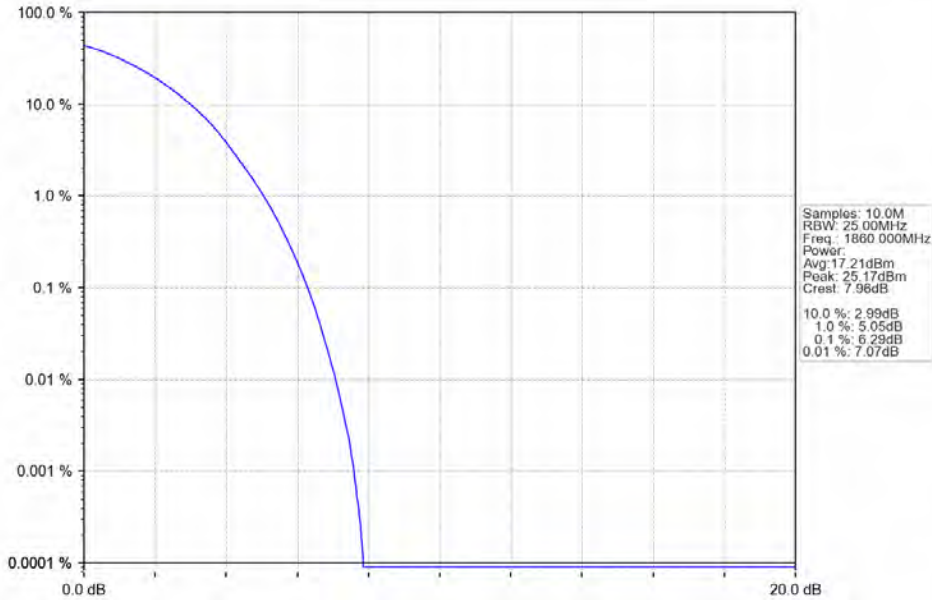


Report No.: SUCR240200003402

Rev.: 01

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Band25_20MHz_64QAM_LCH_1860MHz_RB_100_0_NTNV



Band25_20MHz_64QAM_MCH_1882.5MHz_RB_100_0_NTNV



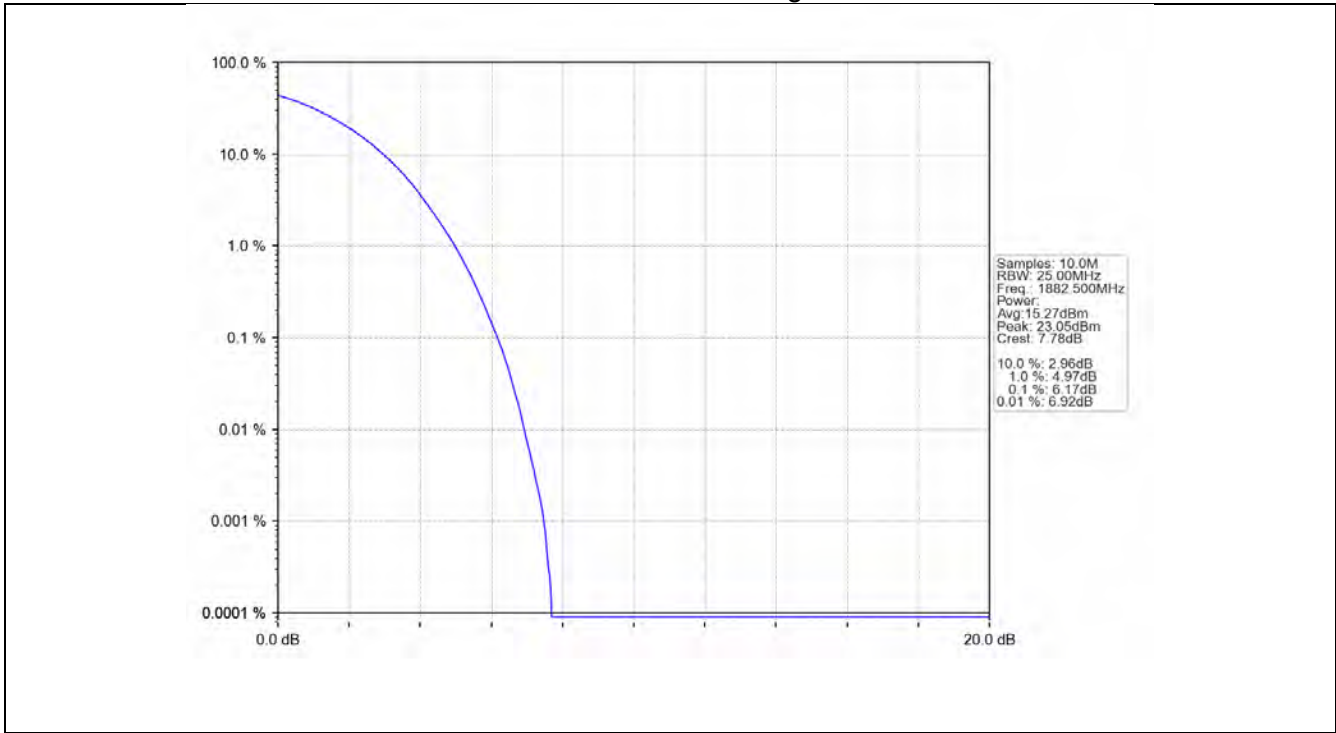
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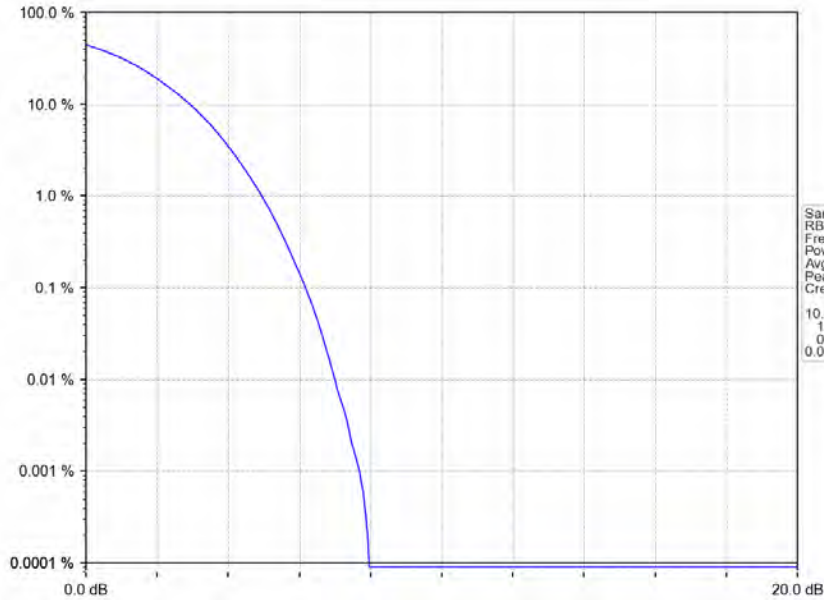


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Band25_20MHz_64QAM_HCH_1905MHz_RB_100_0_NTNV



Samples: 10.0M
 RBW: 25.00MHz
 Freq: 1905.000MHz
 Power:
 Avg: 15.72dBm
 Peak: 23.76dBm
 Crest: 8.04dB
 10.0%: 2.92dB
 1.0%: 4.94dB
 0.1%: 6.17dB
 0.01%: 7.00dB



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5. Spurious Emission & Band Edges

5.1 B25_1.4MHz

5.1.1 Test Result

| Band: 25 / Bandwidth: 1.4MHz / NTV | | | | | | | |
|------------------------------------|-----------------|---------------|--------|---------------------|---------------------|---------|------|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict | |
| | | Size | Offset | Result | Limit | | |
| QPSK | 1850.7 | 1 | 0 | Refer To Test Graph | | Pass | |
| | | 6 | 0 | Refer To Test Graph | | Pass | |
| | 1882.5 | 1 | 0 | Refer To Test Graph | | Pass | |
| | | 1914.3 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | | 5 | Refer To Test Graph | | Pass |
| | | 6 | 0 | Refer To Test Graph | | Pass | |

5.2 B25_3MHz

5.2.1 Test Result

| Band: 25 / Bandwidth: 3MHz / NTV | | | | | | | |
|----------------------------------|-----------------|---------------|--------|---------------------|---------------------|---------|------|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict | |
| | | Size | Offset | Result | Limit | | |
| QPSK | 1851.5 | 1 | 0 | Refer To Test Graph | | Pass | |
| | | 15 | 0 | Refer To Test Graph | | Pass | |
| | 1882.5 | 1 | 0 | Refer To Test Graph | | Pass | |
| | | 1913.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | | 14 | Refer To Test Graph | | Pass |
| | | 15 | 0 | Refer To Test Graph | | Pass | |



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5.3 B25_5MHz

5.3.1 Test Result

| Band: 25 / Bandwidth: 5MHz / NTNV | | | | | | |
|-----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1852.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 25 | 0 | Refer To Test Graph | | Pass |
| | 1882.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | 1912.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 24 | Refer To Test Graph | | Pass |
| | | 25 | 0 | Refer To Test Graph | | Pass |

5.4 B25_10MHz

5.4.1 Test Result

| Band: 25 / Bandwidth: 10MHz / NTNV | | | | | | |
|------------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1855 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 50 | 0 | Refer To Test Graph | | Pass |
| | 1882.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | 1910 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 49 | Refer To Test Graph | | Pass |
| | | 50 | 0 | Refer To Test Graph | | Pass |

5.5 B25_15MHz

5.5.1 Test Result

| Band: 25 / Bandwidth: 15MHz / NTNV | | | | | | |
|------------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1857.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 75 | 0 | Refer To Test Graph | | Pass |
| | 1882.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | 1907.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 74 | Refer To Test Graph | | Pass |
| | | 75 | 0 | Refer To Test Graph | | Pass |



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5.6 B25_20MHz

5.6.1 Test Result

| Band: 25 / Bandwidth: 20MHz / NTV | | | | | | |
|-----------------------------------|-----------------|---------------------|--------|---------------------|-------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 1860 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 100 | 0 | Refer To Test Graph | | Pass |
| | 1882.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 1 | 0 | Refer To Test Graph | | Pass |
| | 1905 | 1 | 0 | Refer To Test Graph | | Pass |
| | | | 99 | Refer To Test Graph | | Pass |
| 100 | 0 | Refer To Test Graph | | Pass | | |



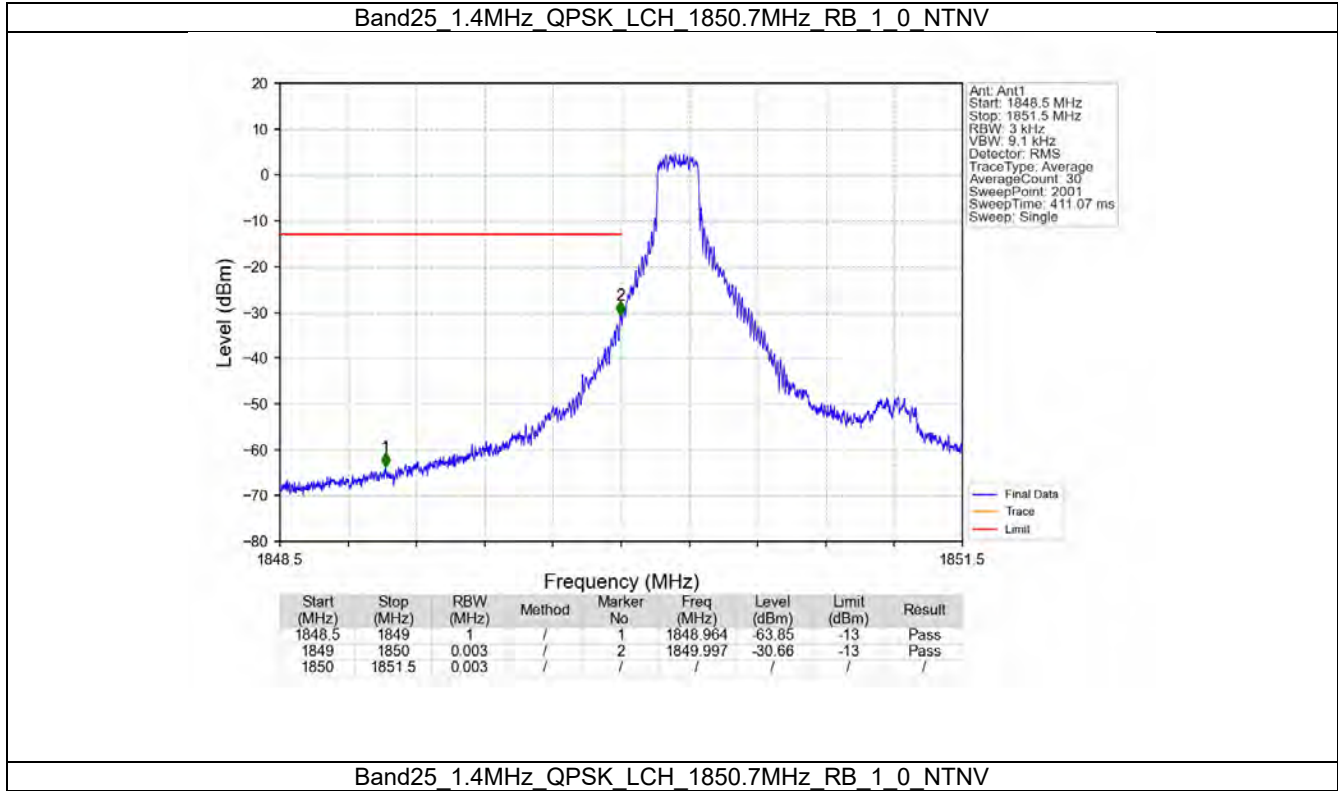
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5.1 B25_1.4MHz

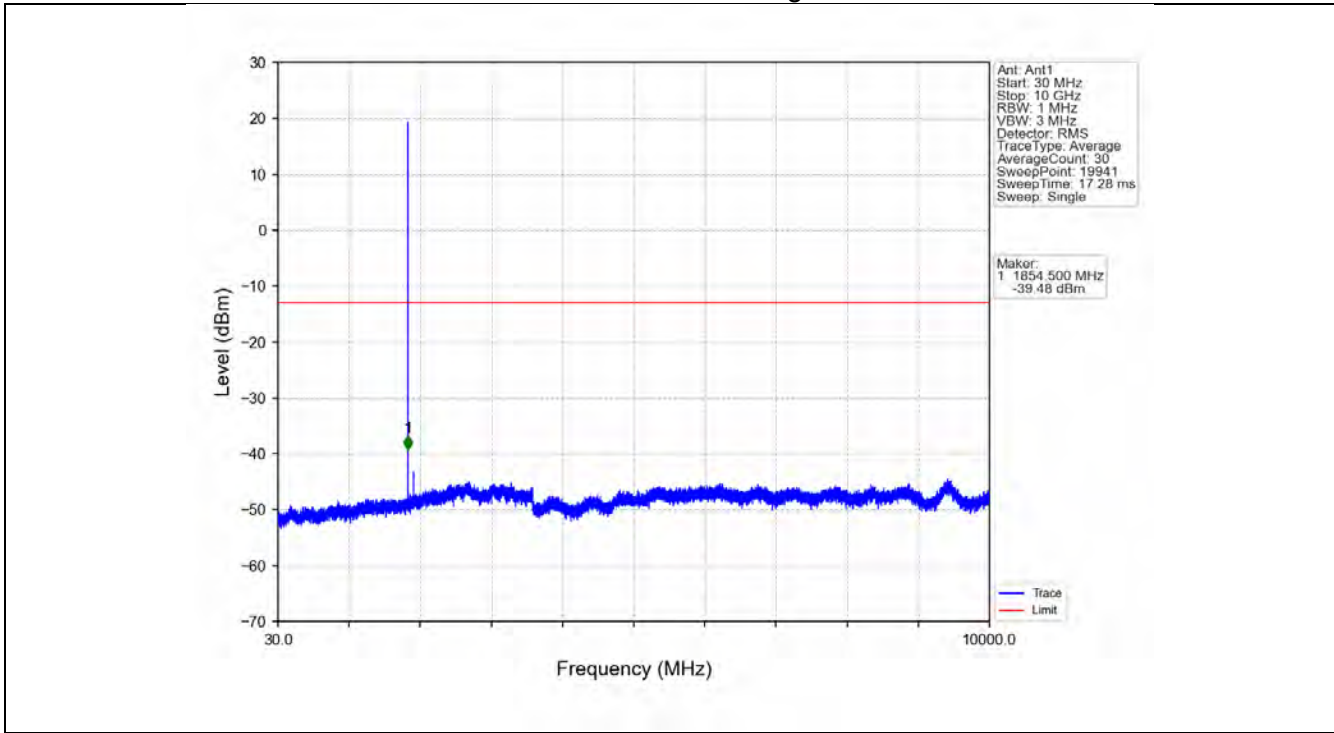
5.1.2 Test Graph



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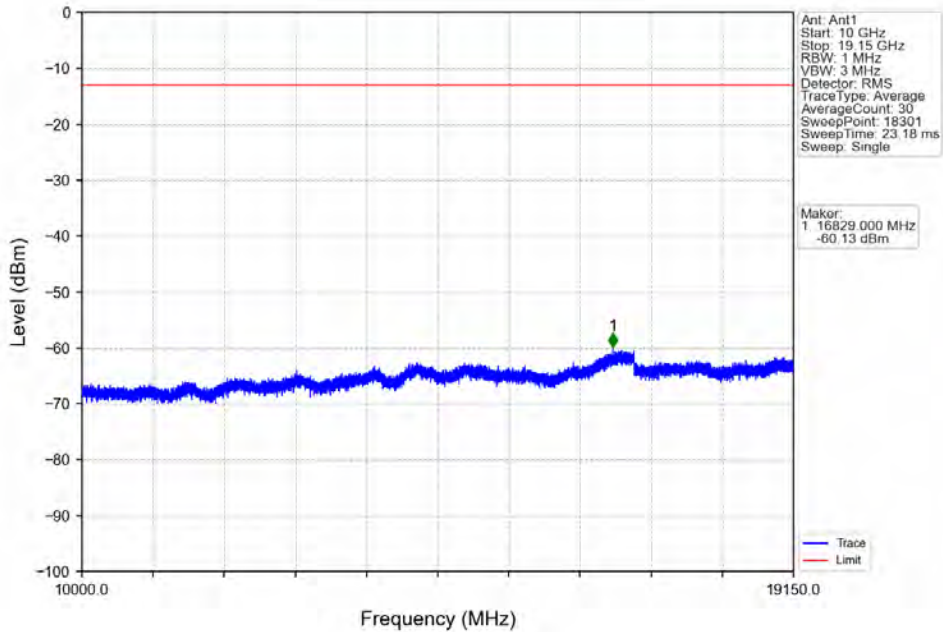


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Band25_1.4MHz_QPSK_LCH_1850.7MHz_RB_1_0_NTNV

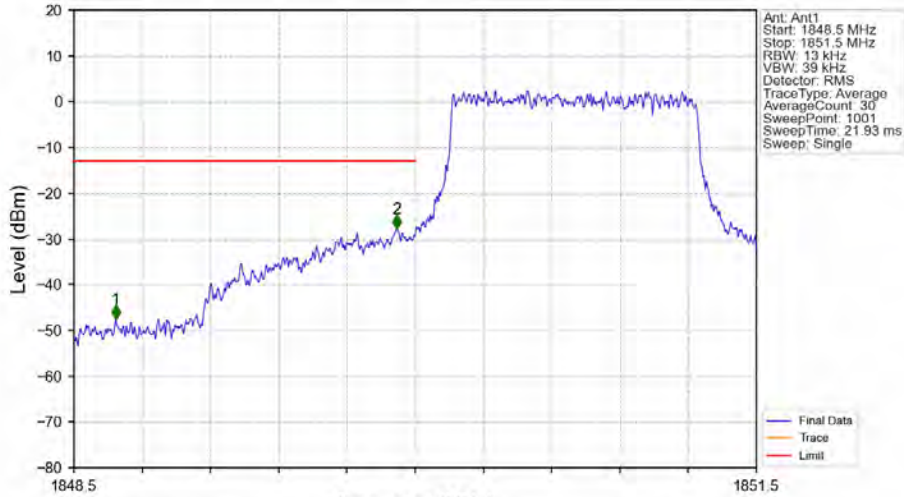


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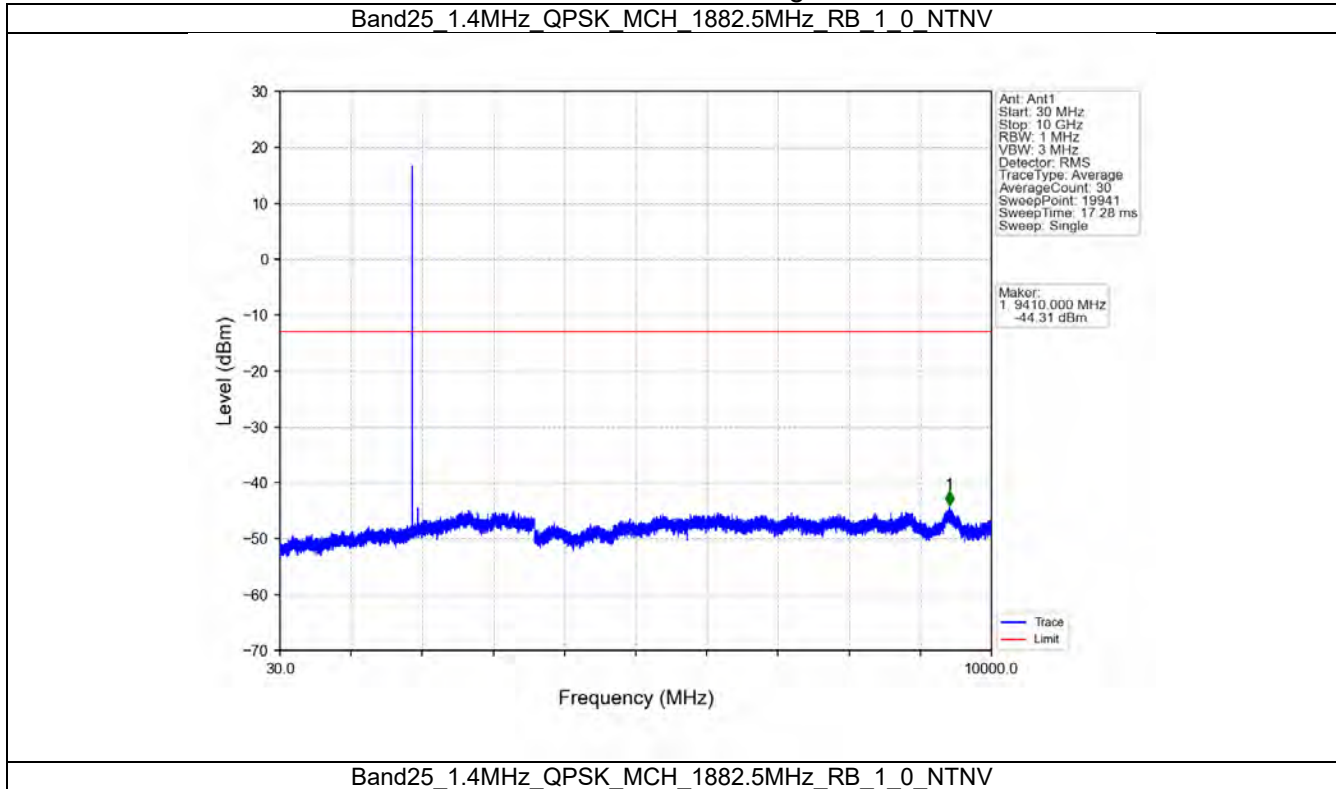
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|-----------|------------|-------------|-------------|--------|
| 1848.5 | 1849 | 1 | / | 1 | 1848.683 | -47.61 | -13 | Pass |
| 1849 | 1850 | 0.013 | / | 2 | 1849.919 | -27.82 | -13 | Pass |
| 1850 | 1851.5 | 0.013 | / | / | / | / | / | / |



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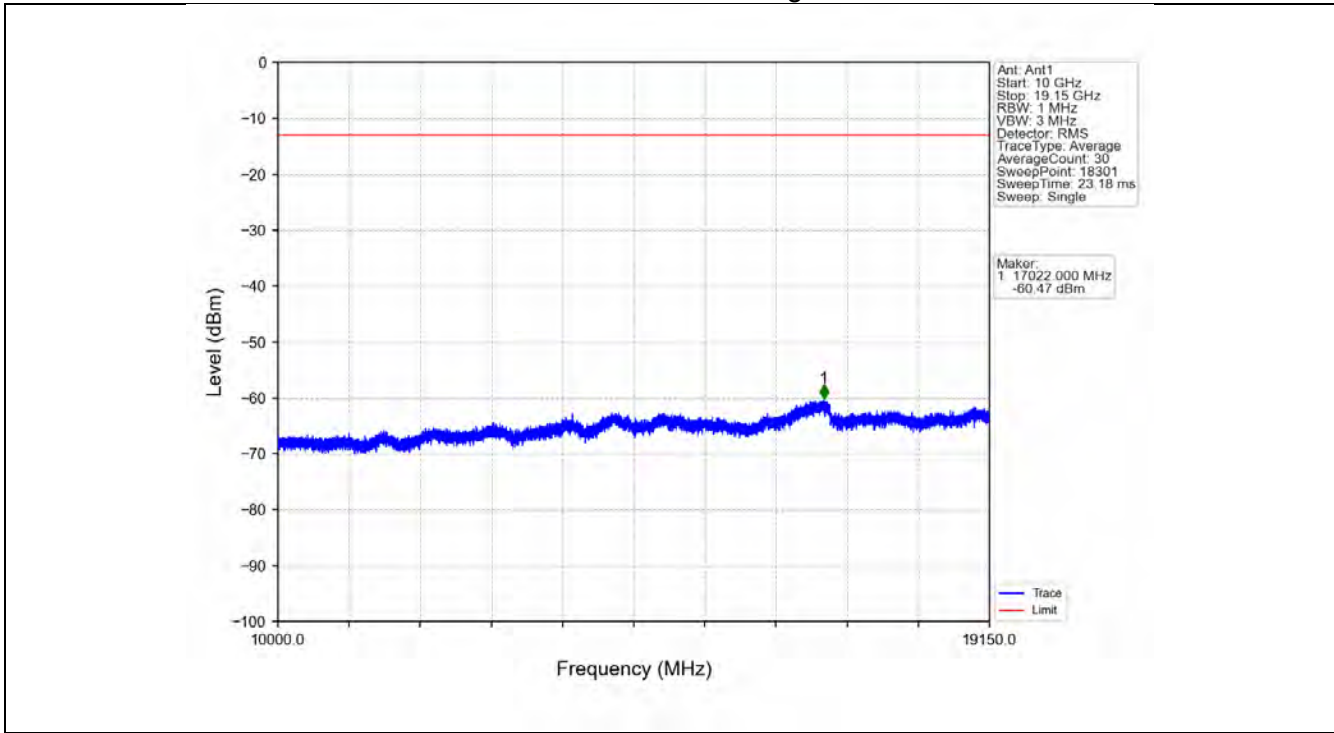
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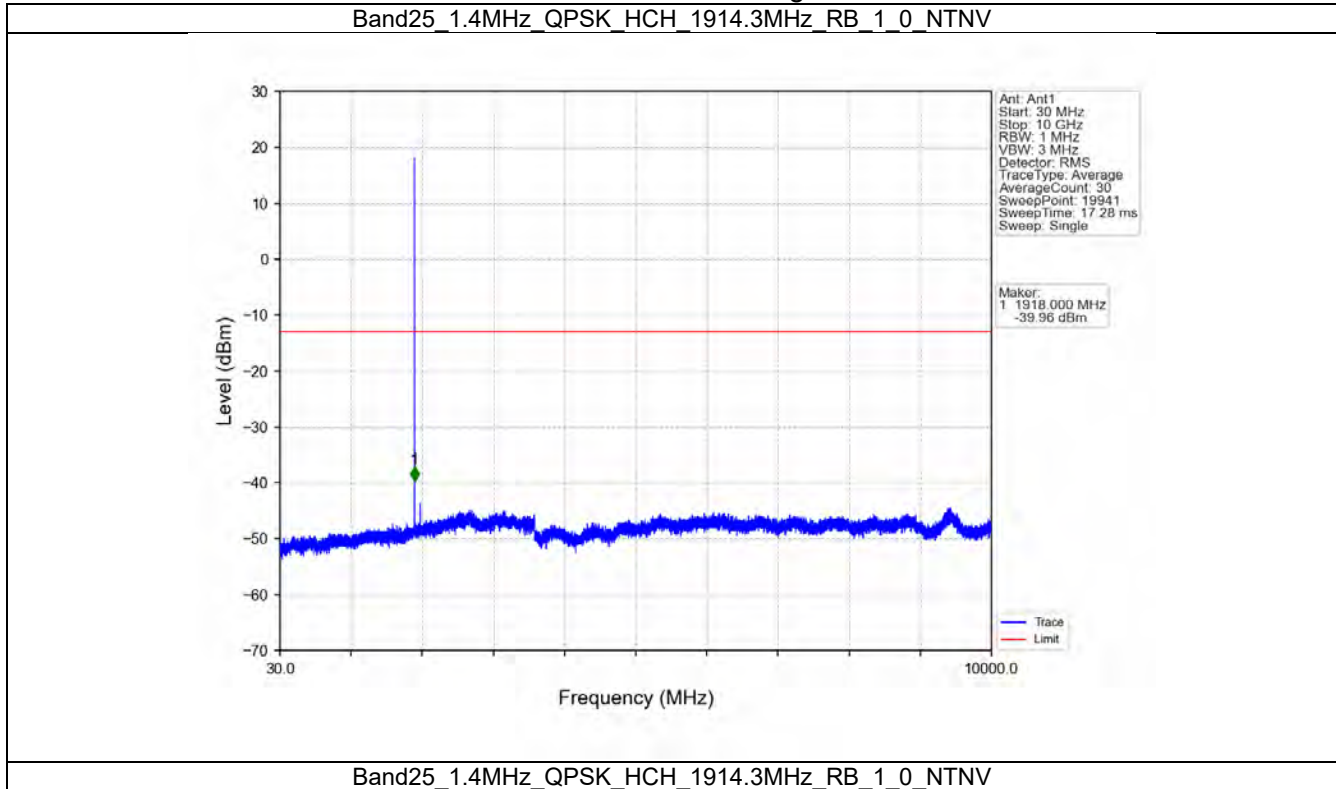
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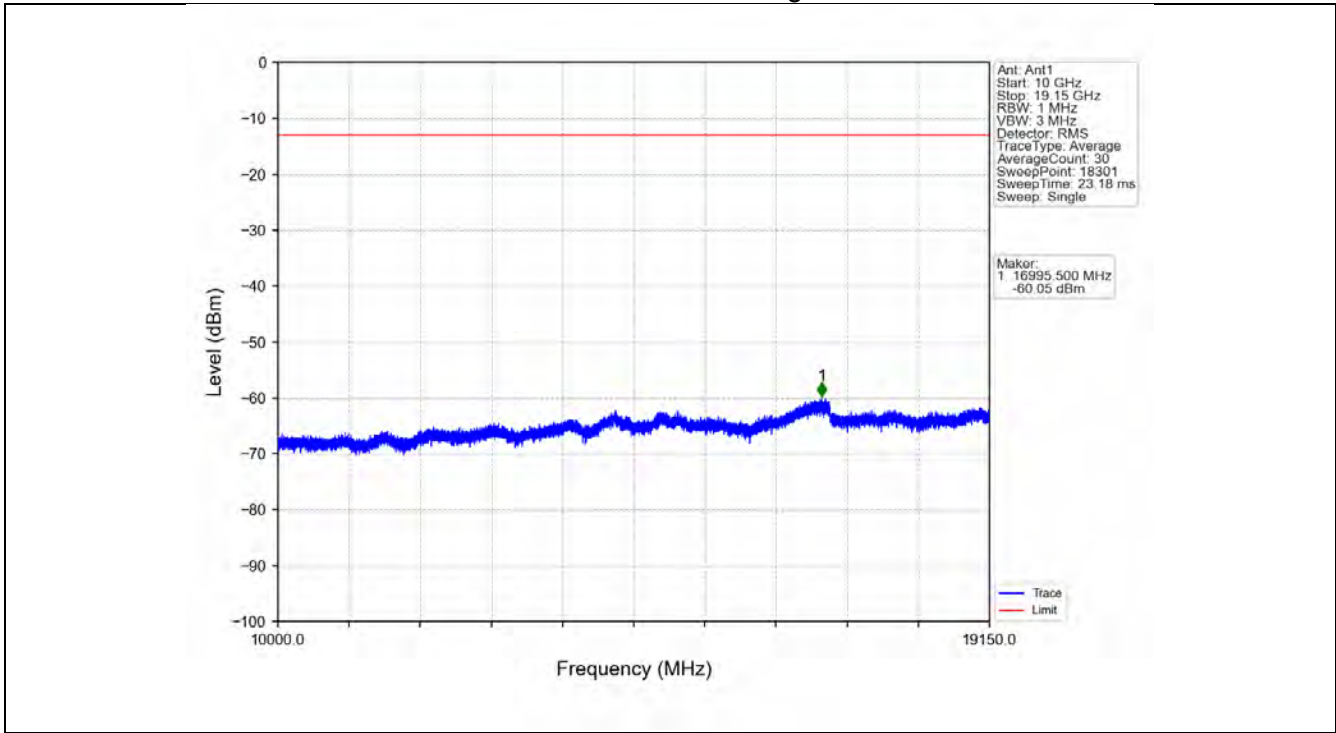
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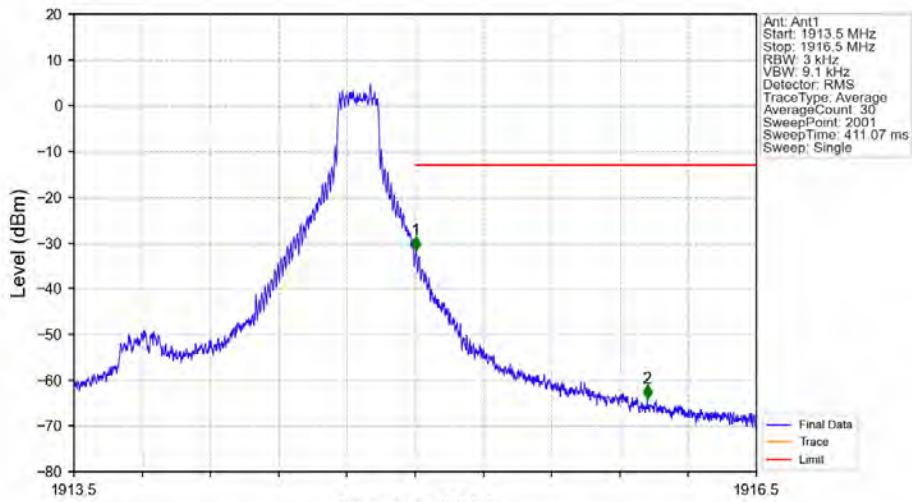


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Band25 1.4MHz QPSK HCH 1914.3MHz_RB_1_5 NTN



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|-----------|------------|-------------|-------------|--------|
| 1913.5 | 1915 | 0.003 | / | / | / | / | / | / |
| 1915 | 1916 | 0.003 | / | 1 | 1915.003 | -31.59 | -13 | Pass |
| 1916 | 1916.5 | 1 | / | 2 | 1916.020 | -64.04 | -13 | Pass |

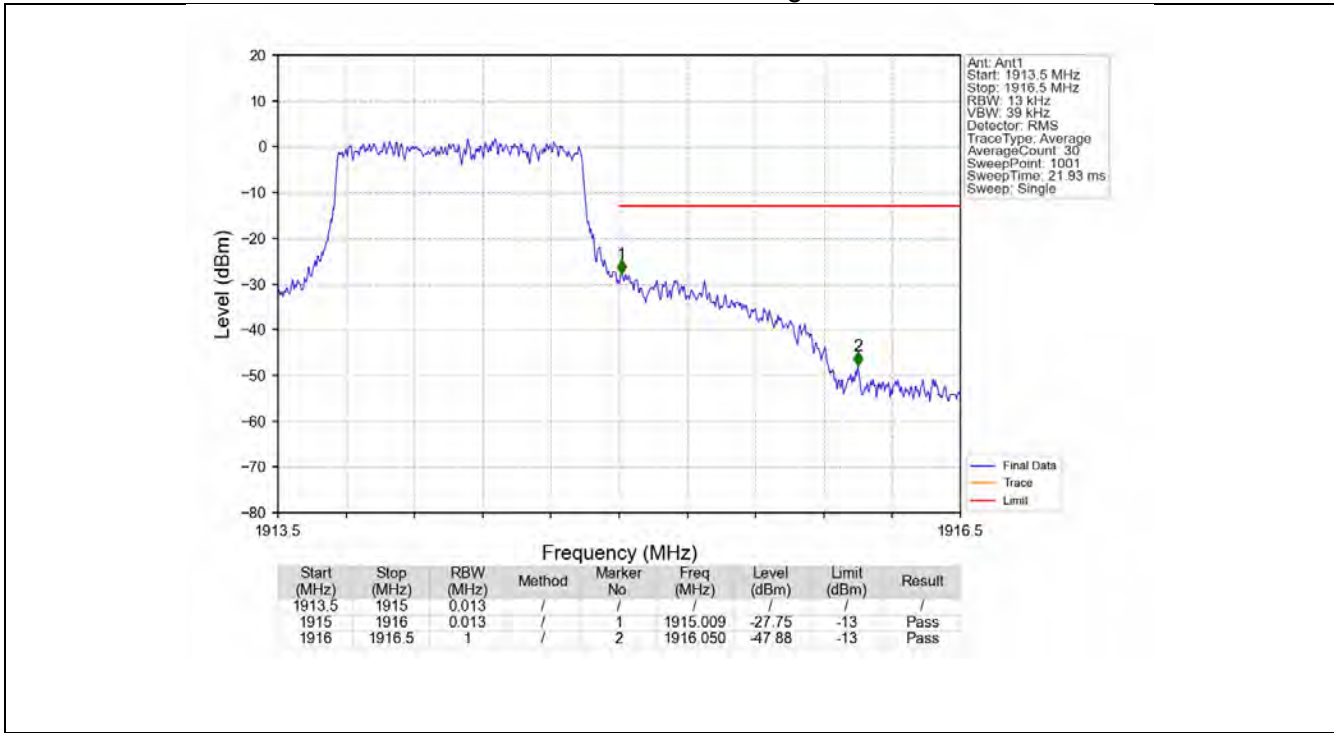
Band25 1.4MHz QPSK HCH 1914.3MHz_RB_6_0 NTN



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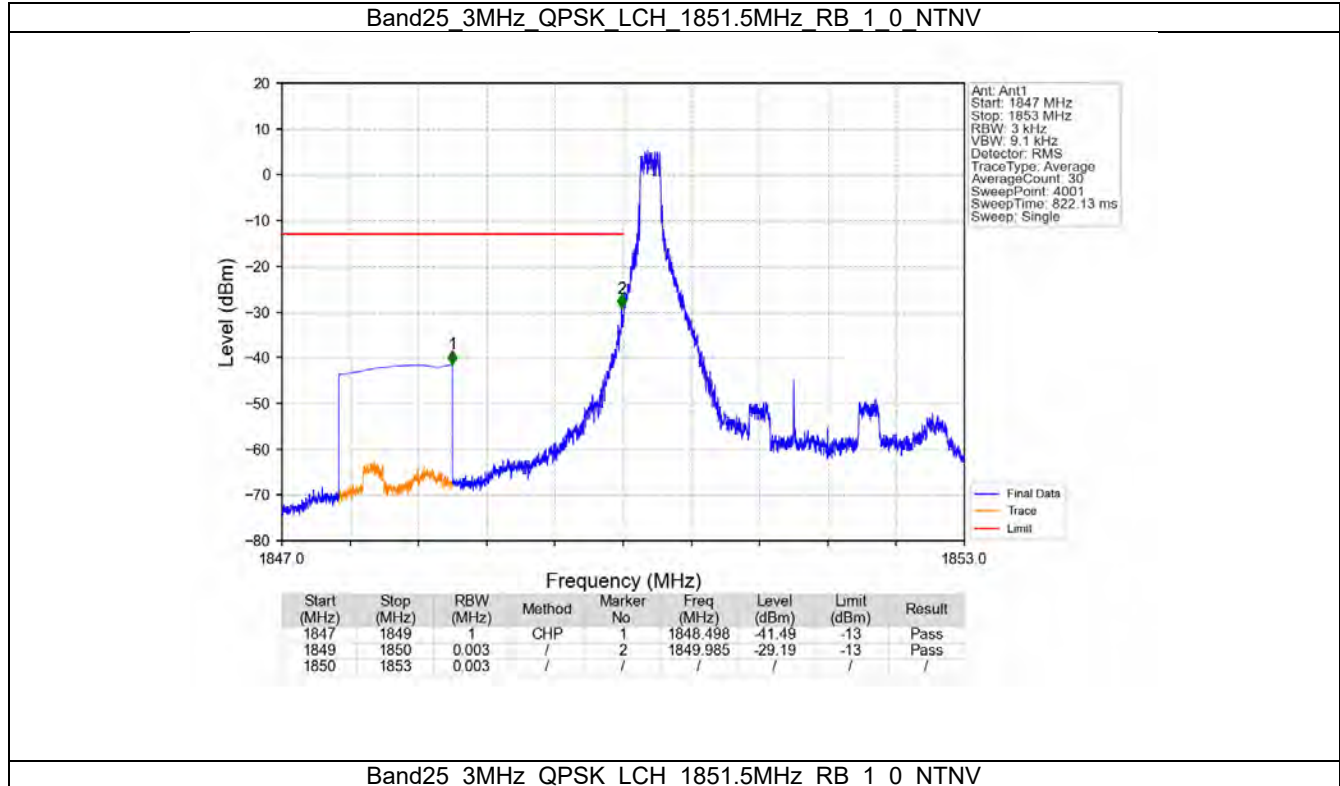
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5.2 B25_3MHz

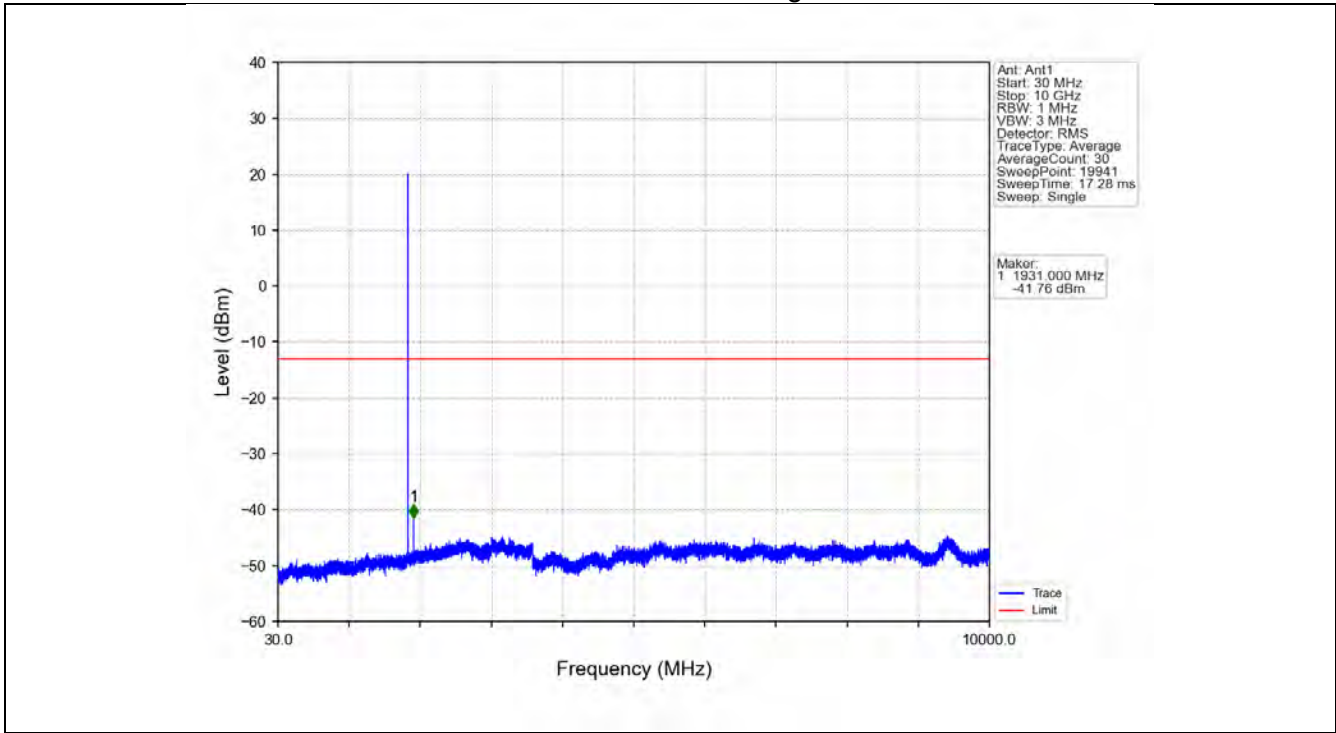
5.2.2 Test Graph



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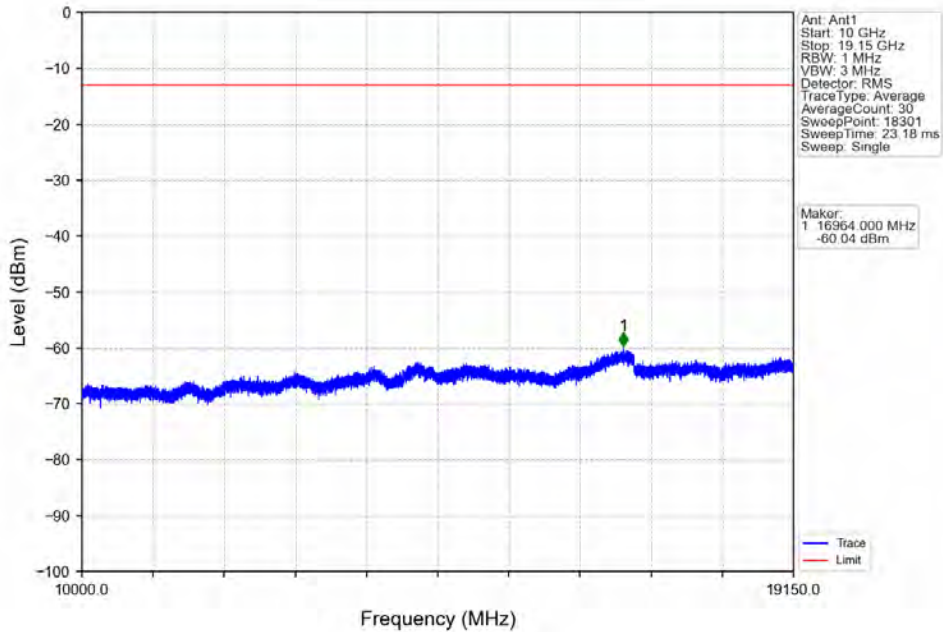


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Band25_3MHz_QPSK_LCH_1851.5MHz_RB_1_0_NTNV



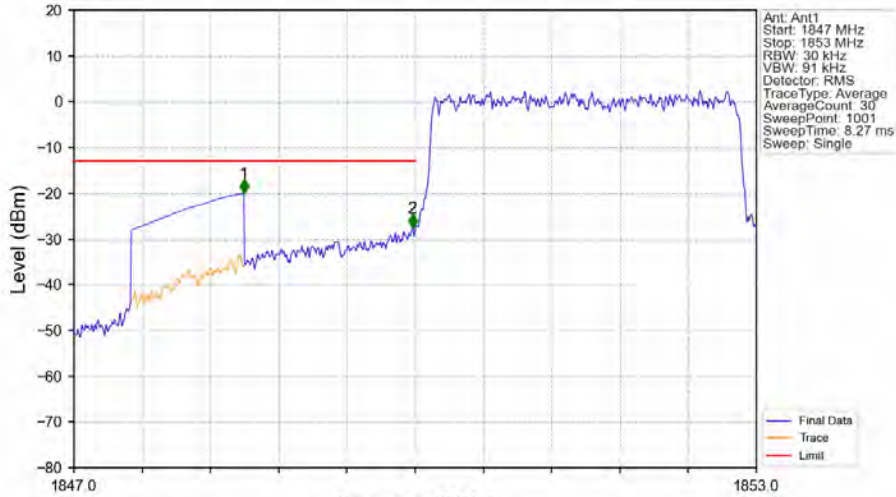
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| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|-----------|------------|-------------|-------------|--------|
| 1847 | 1849 | 1 | CHP | 1 | 1848.494 | -20.02 | -13 | Pass |
| 1849 | 1850 | 0.03 | / | 2 | 1849.976 | -27.62 | -13 | Pass |
| 1850 | 1853 | 0.03 | / | / | / | / | / | / |

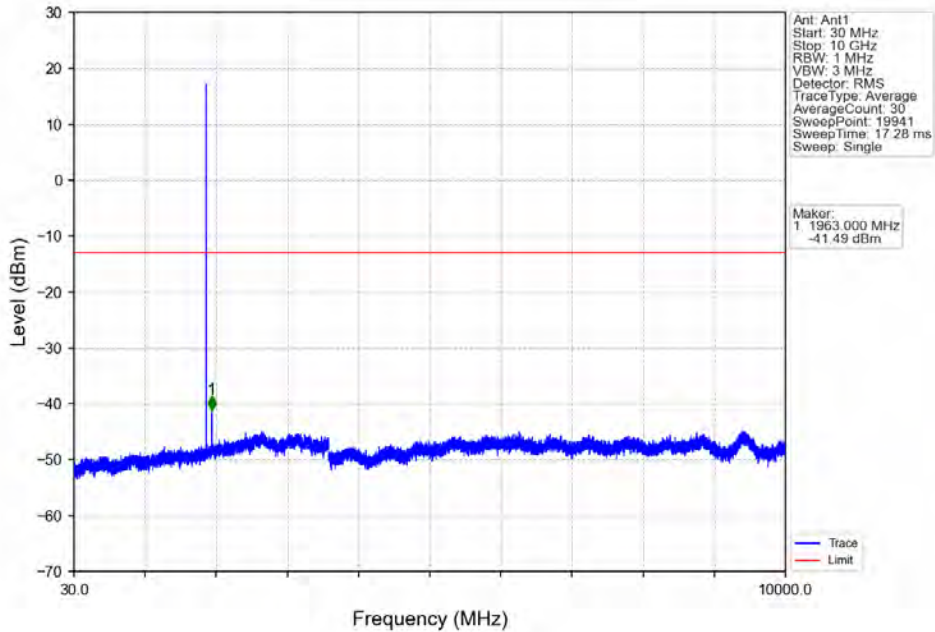


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Band25_3MHz_QPSK_MCH_1882.5MHz_RB_1_0_NTNV



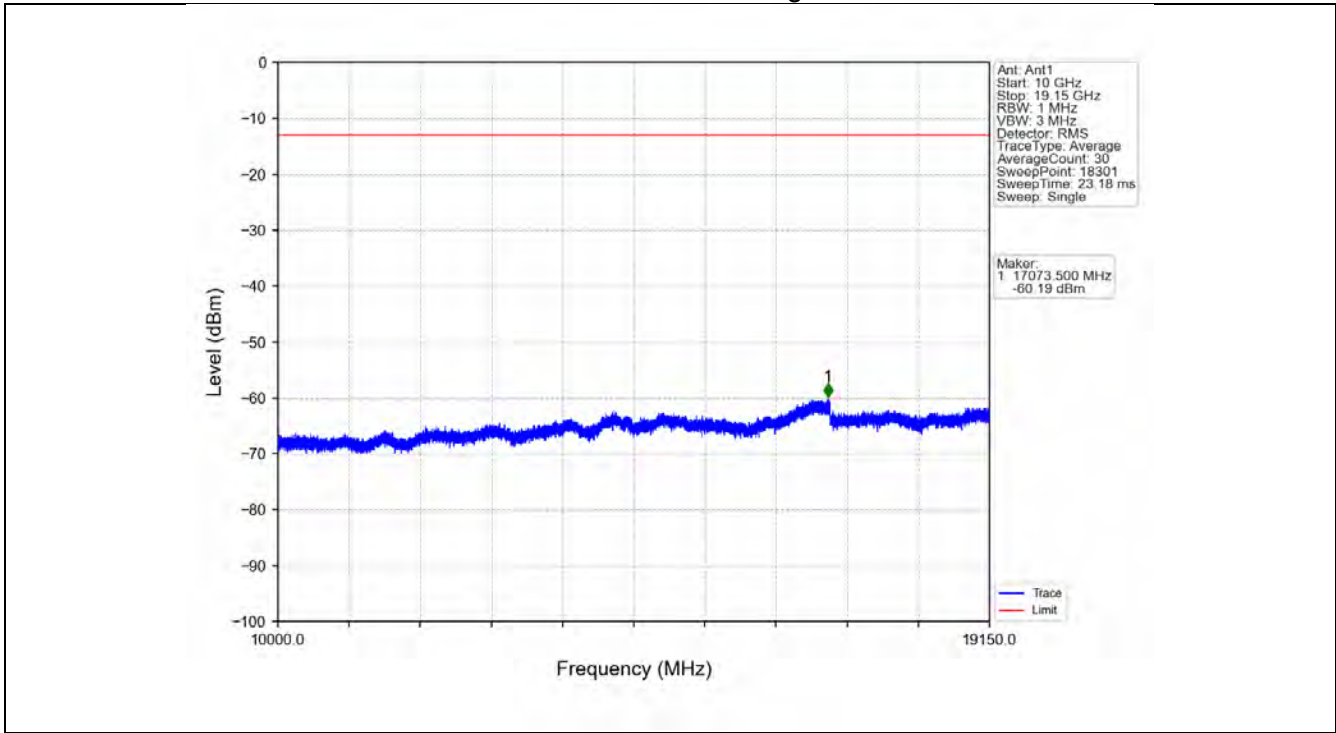
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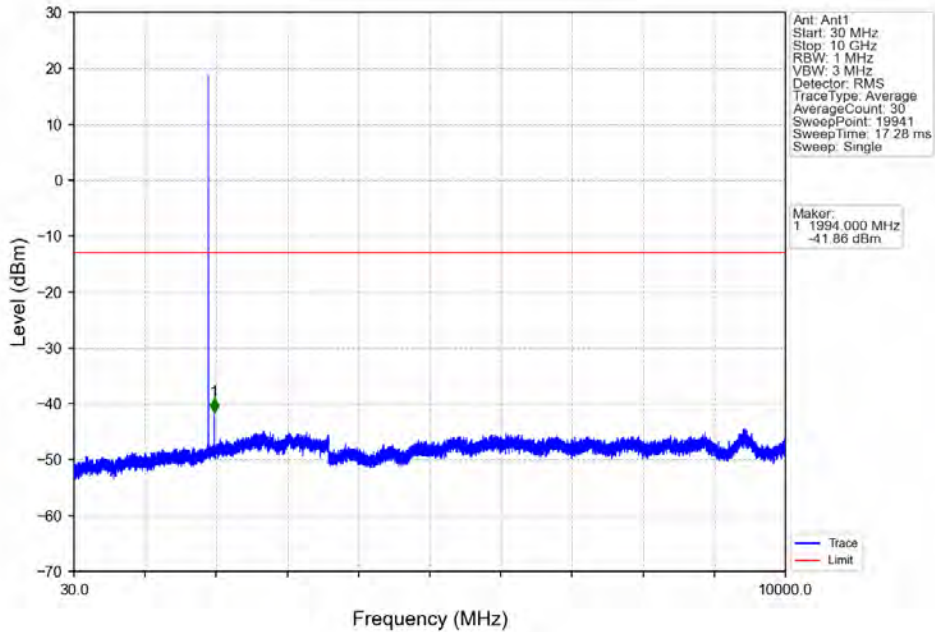


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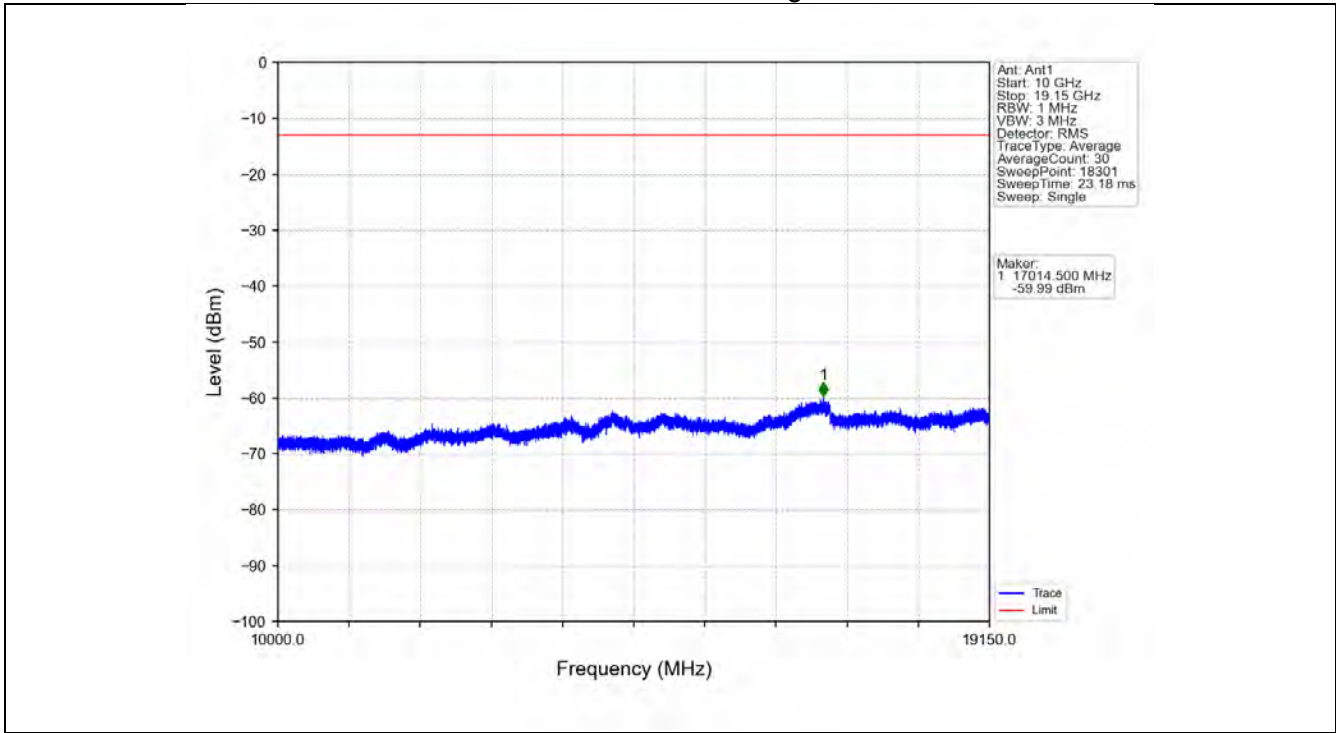
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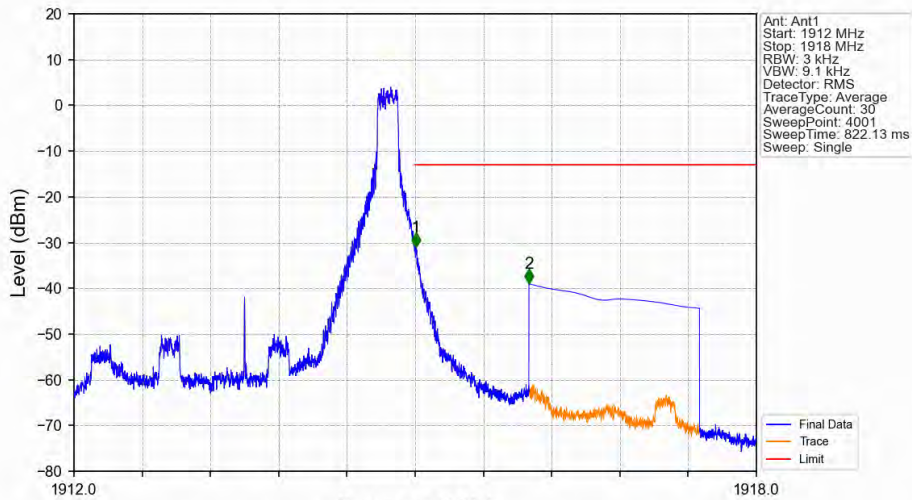


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Band25_3MHz_QPSK_HCH_1913.5MHz_RB_1_14_NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1912 | 1915 | 0.003 | / | 1 | 1915.007 | -30.99 | -13 | Pass |
| 1915 | 1916 | 0.003 | / | 1 | 1915.007 | -30.99 | -13 | Pass |
| 1916 | 1918 | 1 | CHP | 2 | 1916.001 | -38.95 | -13 | Pass |

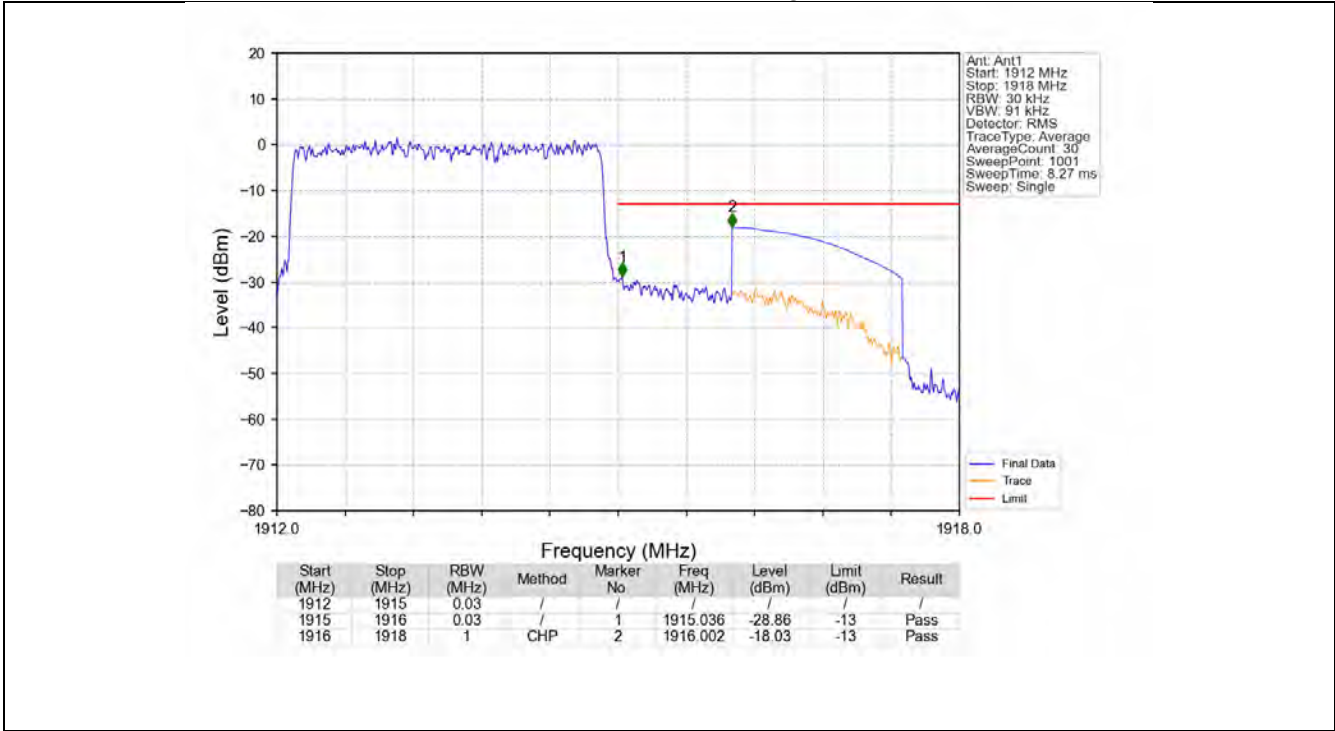
Band25_3MHz_QPSK_HCH_1913.5MHz_RB_15_0_NTNV



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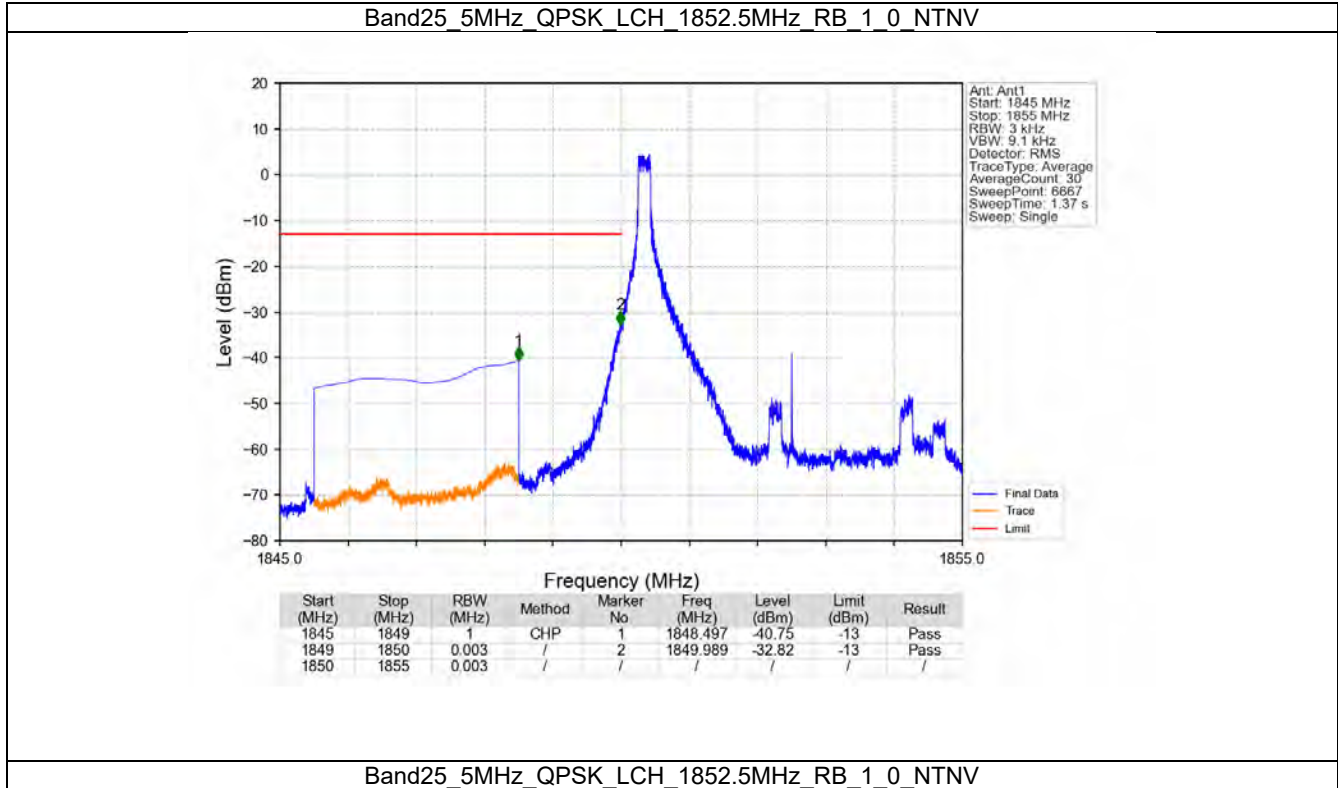


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5.3 B25_5MHz

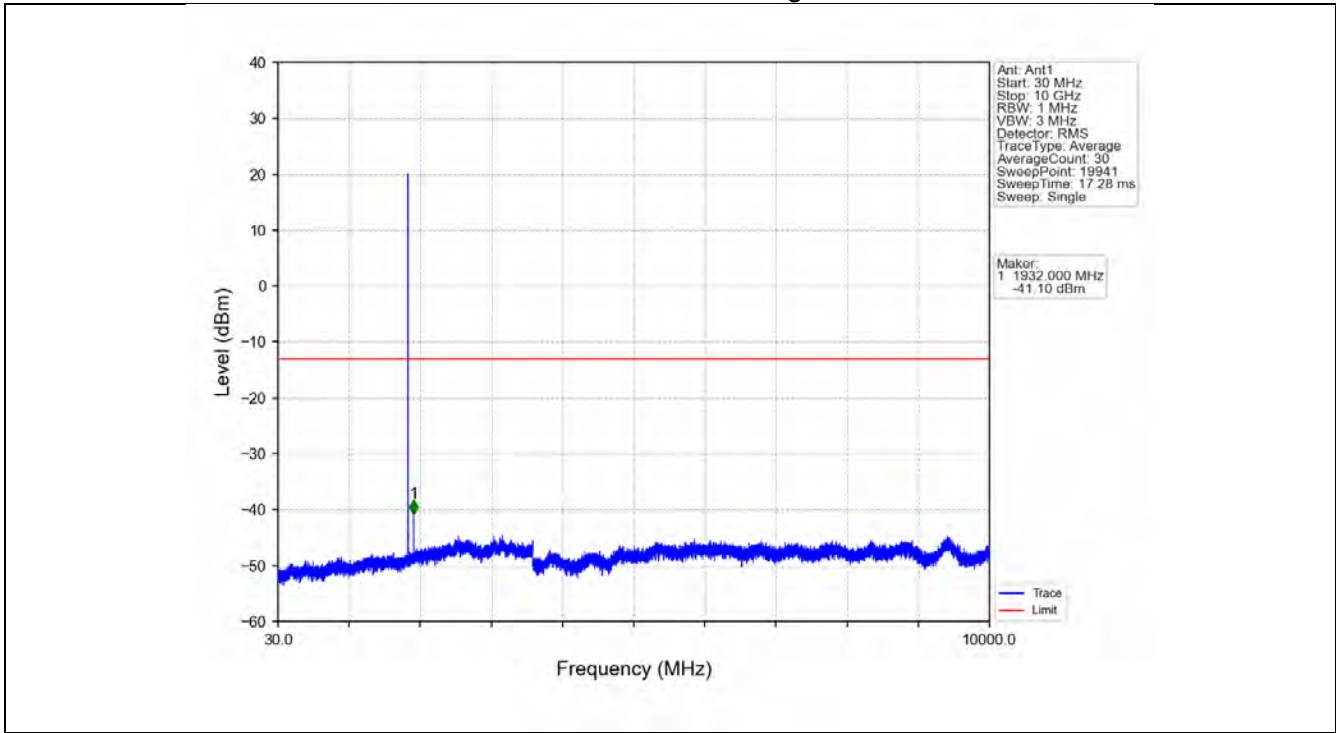
5.3.2 Test Graph



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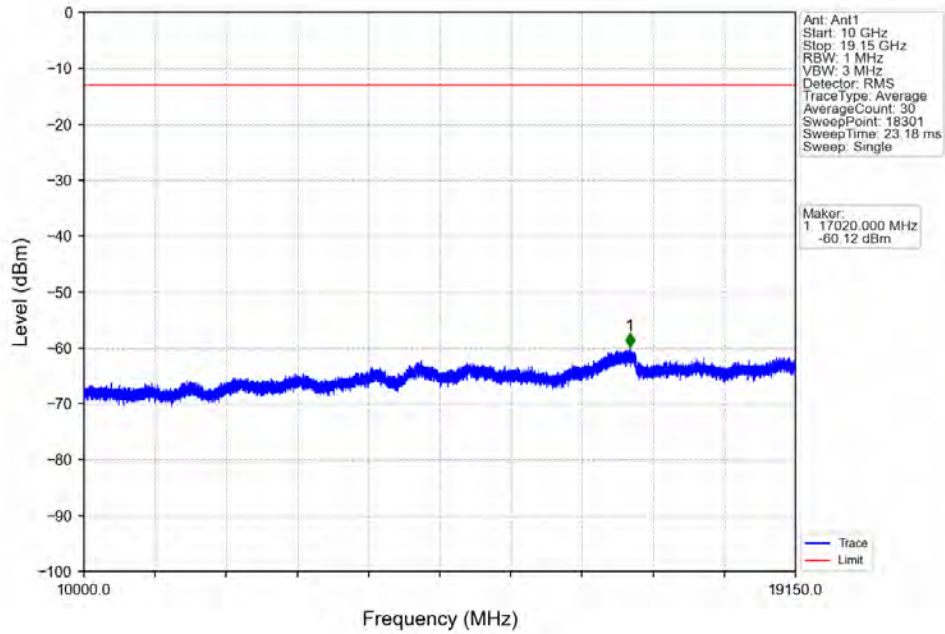


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Band25_5MHz_QPSK_LCH_1852.5MHz_RB_1_0_NTNV



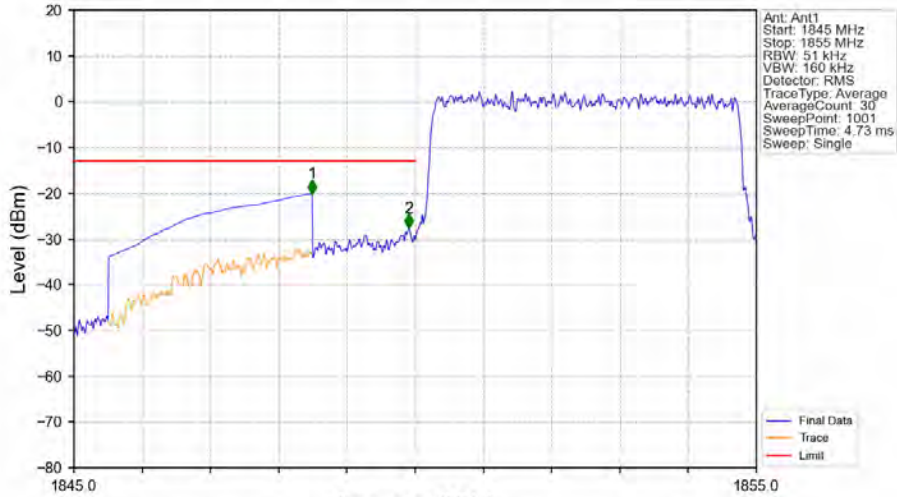
Band25_5MHz_QPSK_LCH_1852.5MHz_RB_25_0_NTNV



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| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|-----------|------------|-------------|-------------|--------|
| 1845 | 1849 | 1 | CHP | 1 | 1848.490 | -20.12 | -13 | Pass |
| 1849 | 1850 | 0.051 | / | 2 | 1849.910 | -27.66 | -13 | Pass |
| 1850 | 1855 | 0.051 | / | / | / | / | / | / |

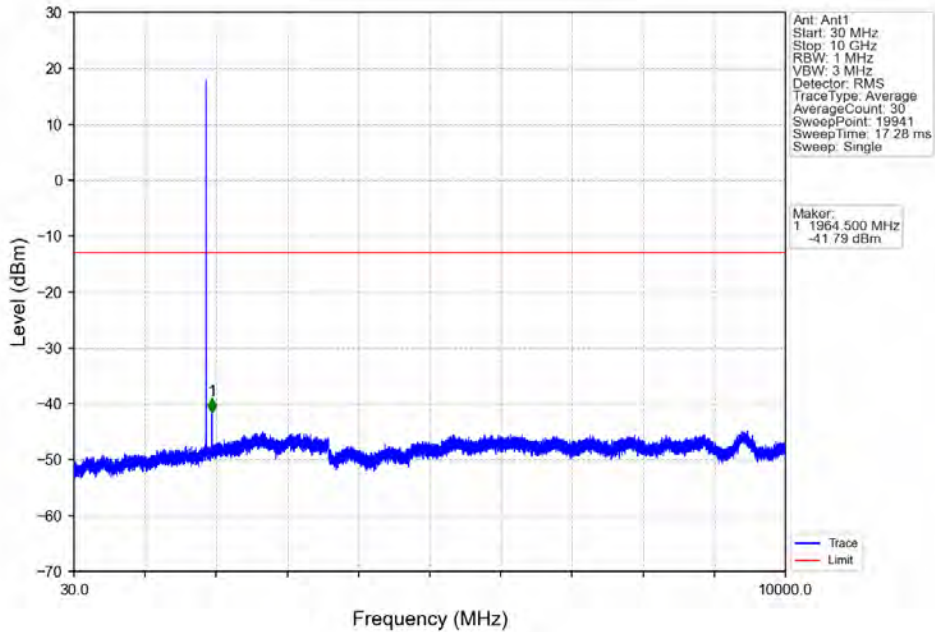


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Band25_5MHz_QPSK_MCH_1882.5MHz_RB_1_0_NTNV



Band25_5MHz_QPSK_MCH_1882.5MHz_RB_1_0_NTNV

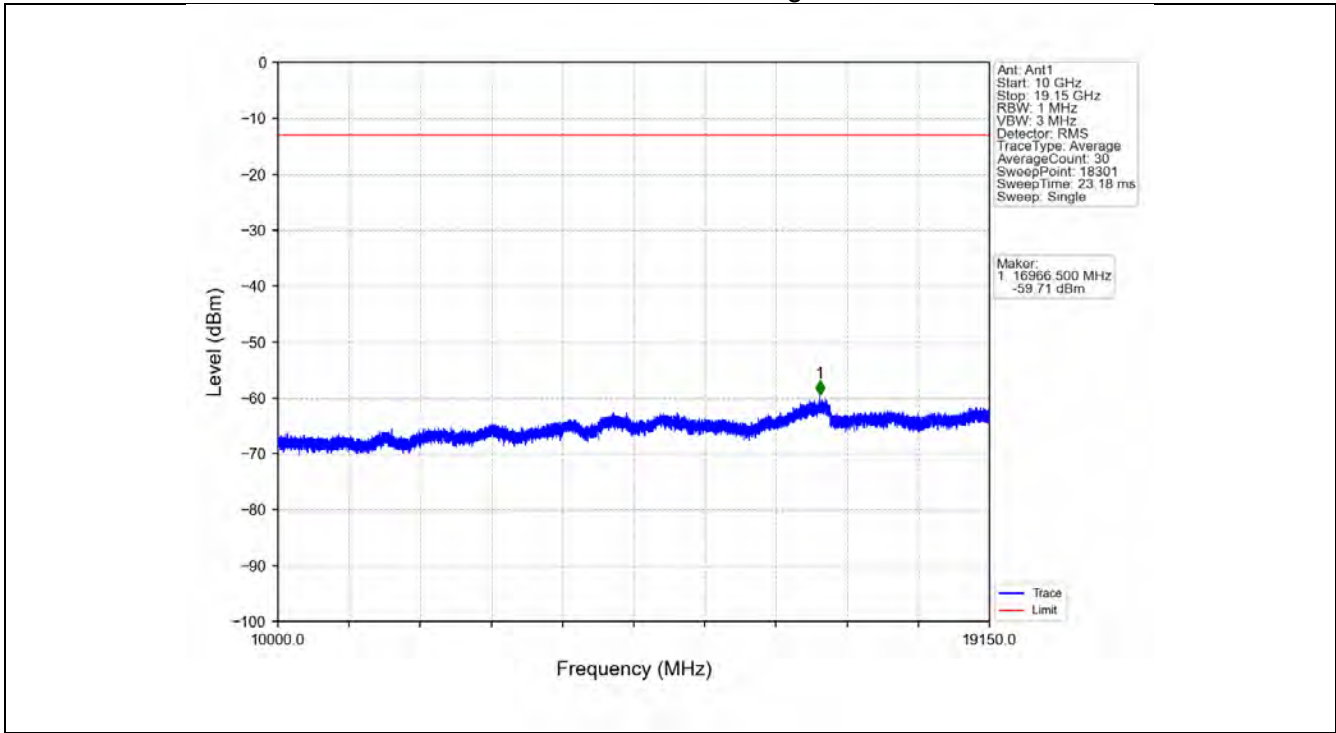


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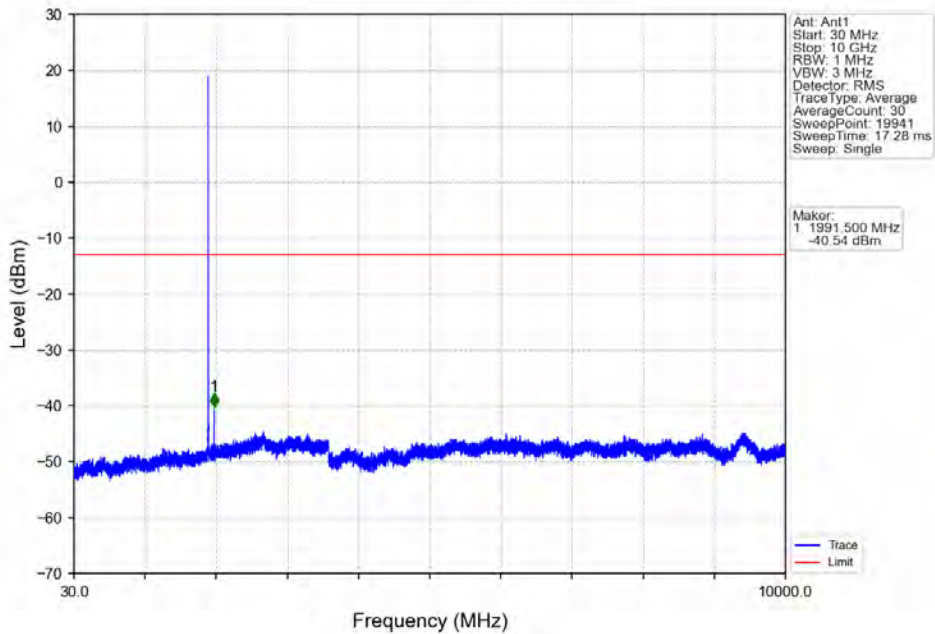


Report No.: SUCR240200003402

Rev.: 01

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Band25_5MHz_QPSK_HCH_1912.5MHz_RB_1_0_NTNV



Band25_5MHz_QPSK_HCH_1912.5MHz_RB_1_0_NTNV



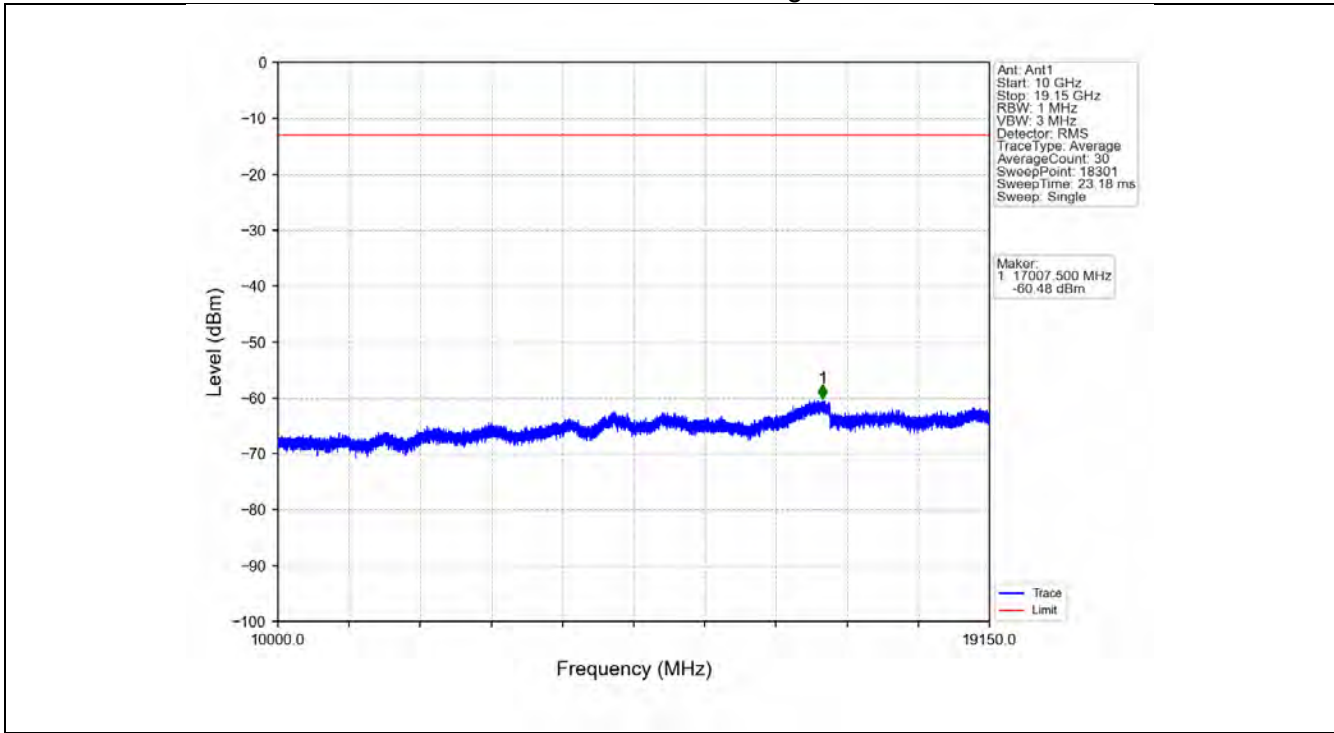
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 t (86-512) 62992980 sgs.china@sgs.com

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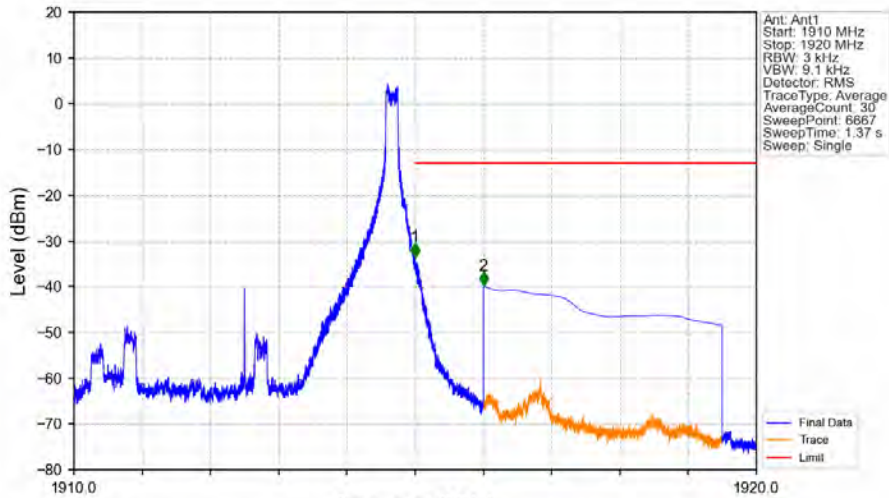


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Band25_5MHz_QPSK_HCH_1912.5MHz_RB_1_24_NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|-----------|------------|-------------|-------------|--------|
| 1910 | 1915 | 0.003 | / | / | / | / | / | / |
| 1915 | 1916 | 0.003 | / | 1 | 1915.000 | -33.53 | -13 | Pass |
| 1916 | 1920 | 1 | CHP | 2 | 1916.001 | -39.74 | -13 | Pass |

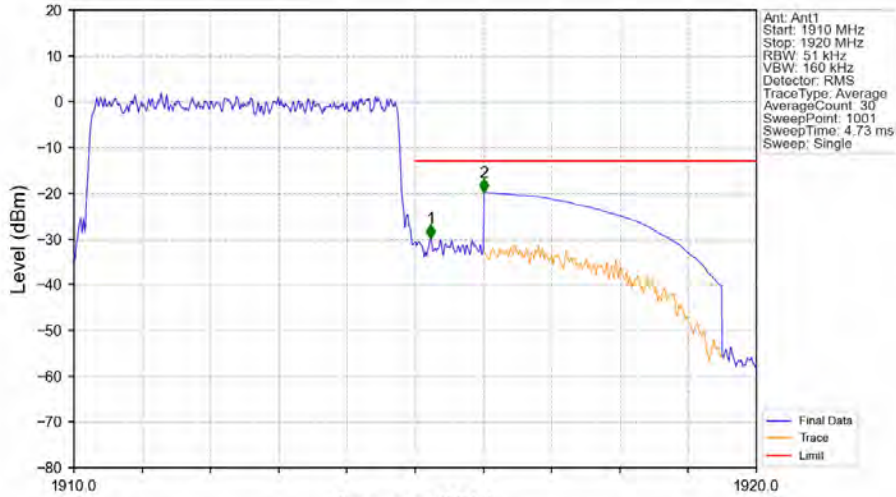
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| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|-----------|------------|-------------|-------------|--------|
| 1910 | 1915 | 0.051 | / | 1 | 1915.230 | -29.88 | -13 | Pass |
| 1915 | 1916 | 0.051 | / | 2 | 1916.010 | -19.81 | -13 | Pass |
| 1916 | 1920 | 1 | CHP | | | | | |



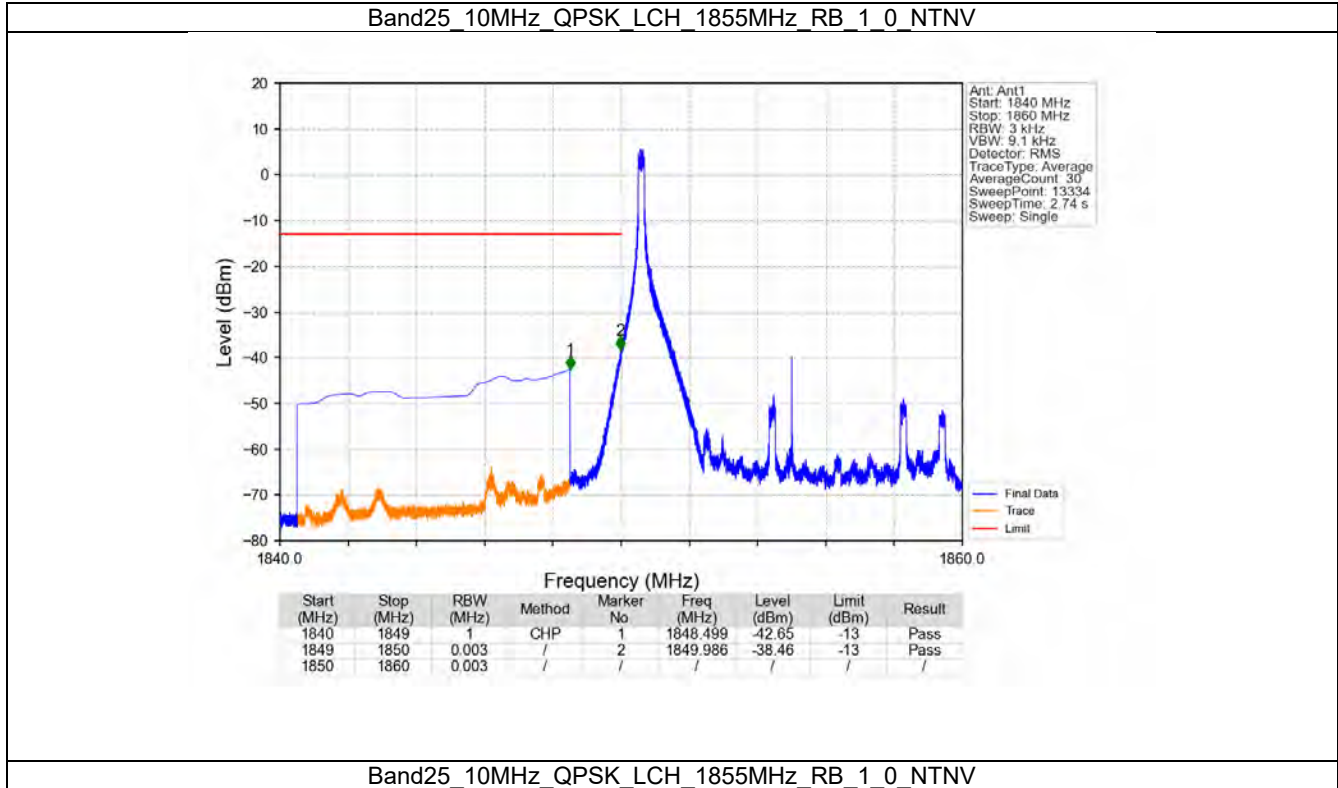
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5.4 B25_10MHz

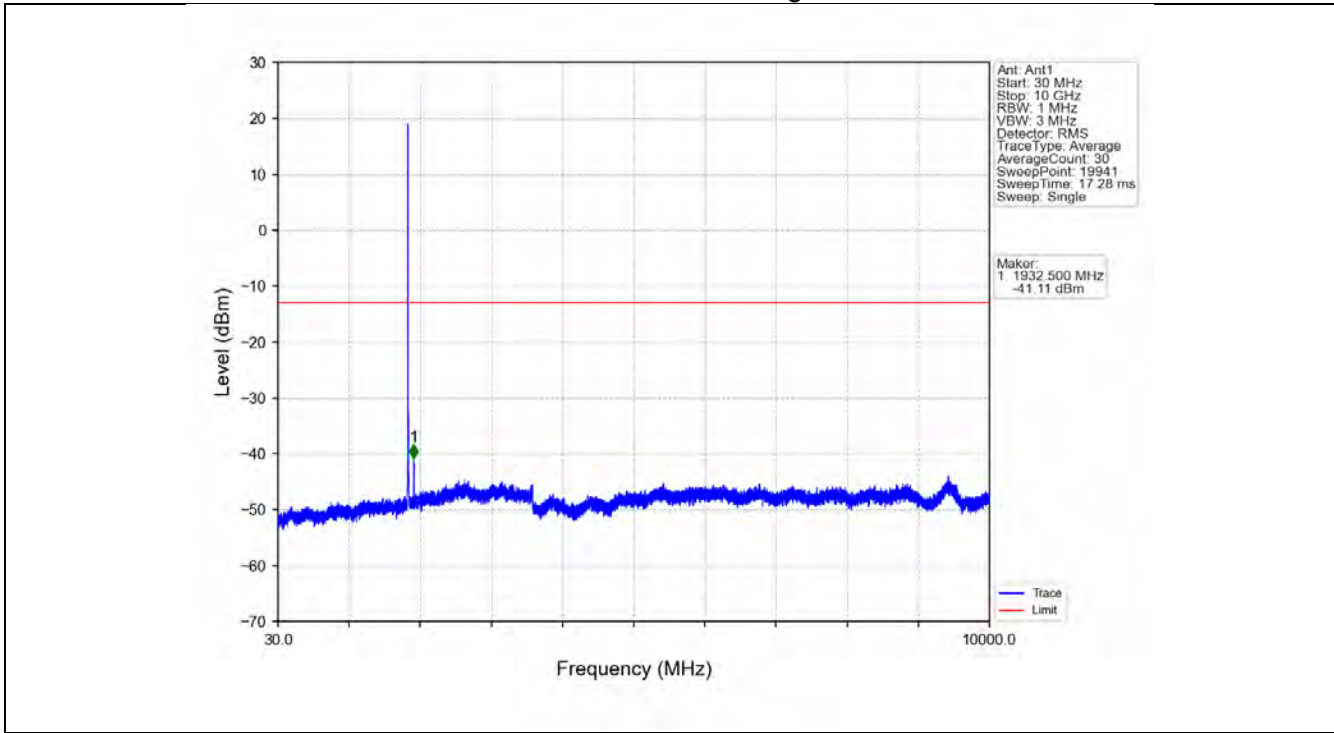
5.4.2 Test Graph



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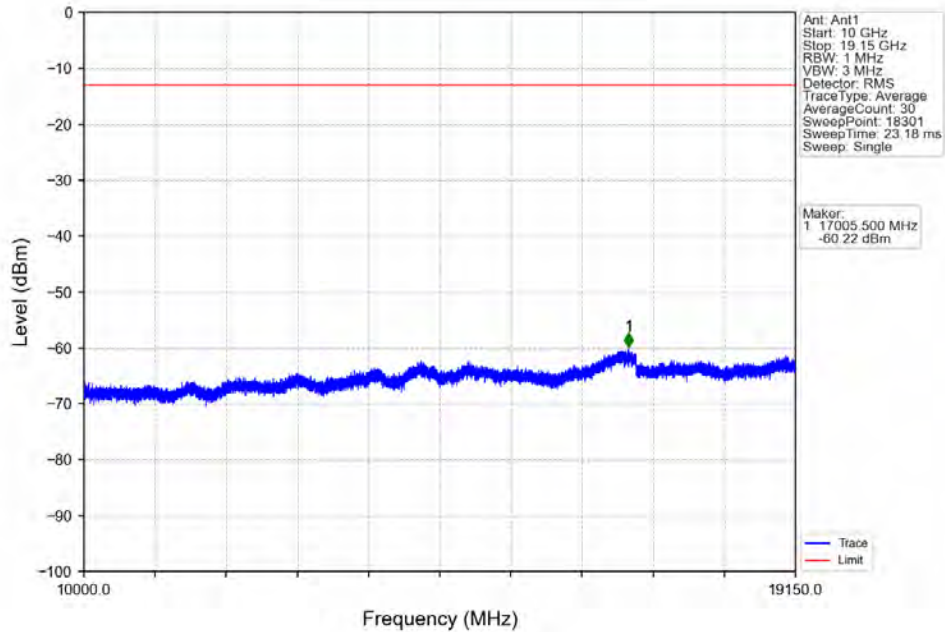


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Band25_10MHz_QPSK_LCH_1855MHz_RB_1_0_NTNV



Band25_10MHz_QPSK_LCH_1855MHz_RB_50_0_NTNV



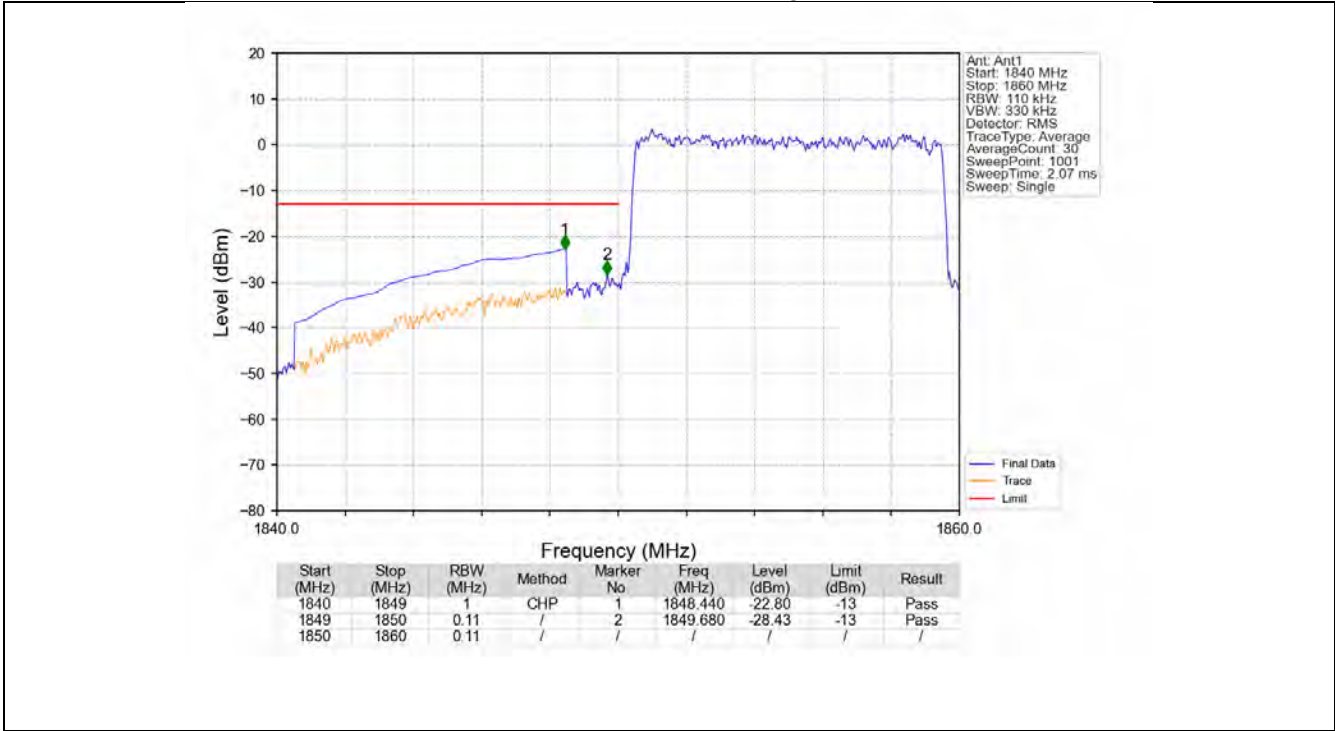
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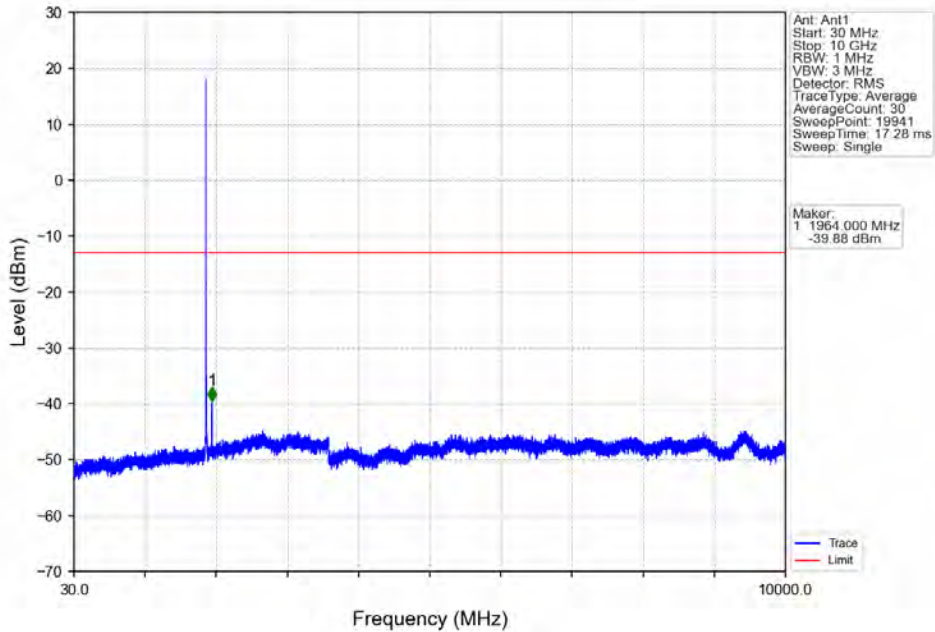


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Band25_10MHz_QPSK_MCH_1882.5MHz_RB_1_0_NTNV



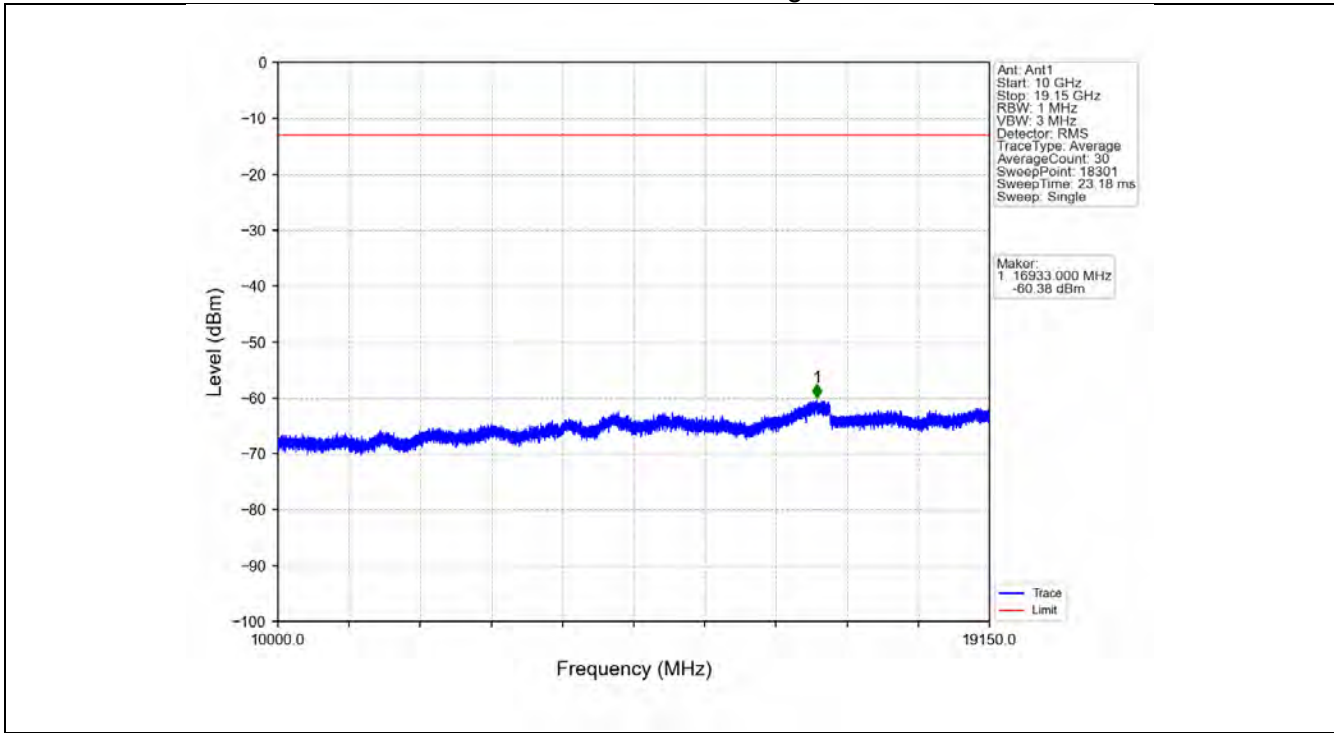
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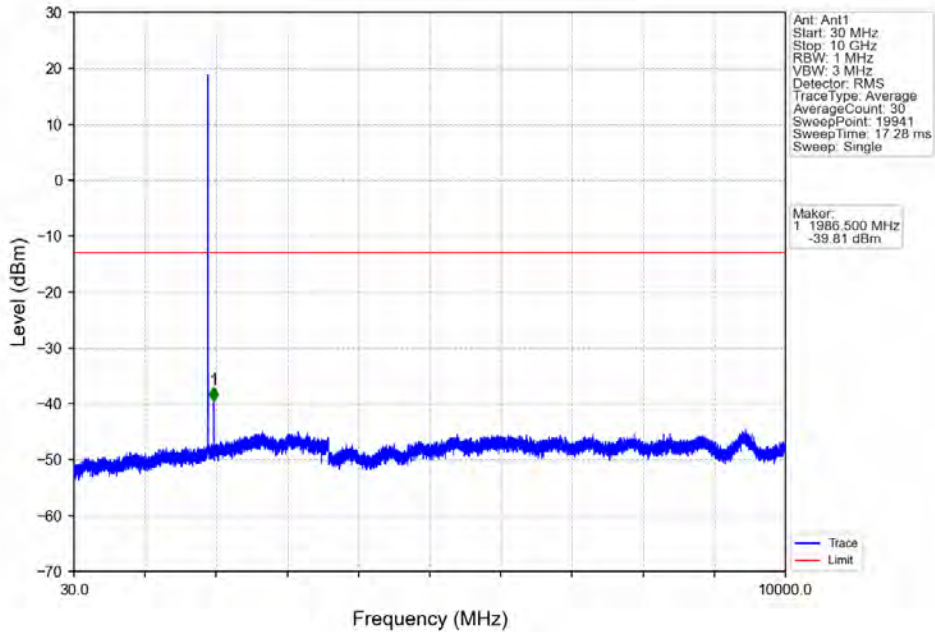


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Band25 10MHz_QPSK_HCH_1910MHz_RB_1_0_NTNV



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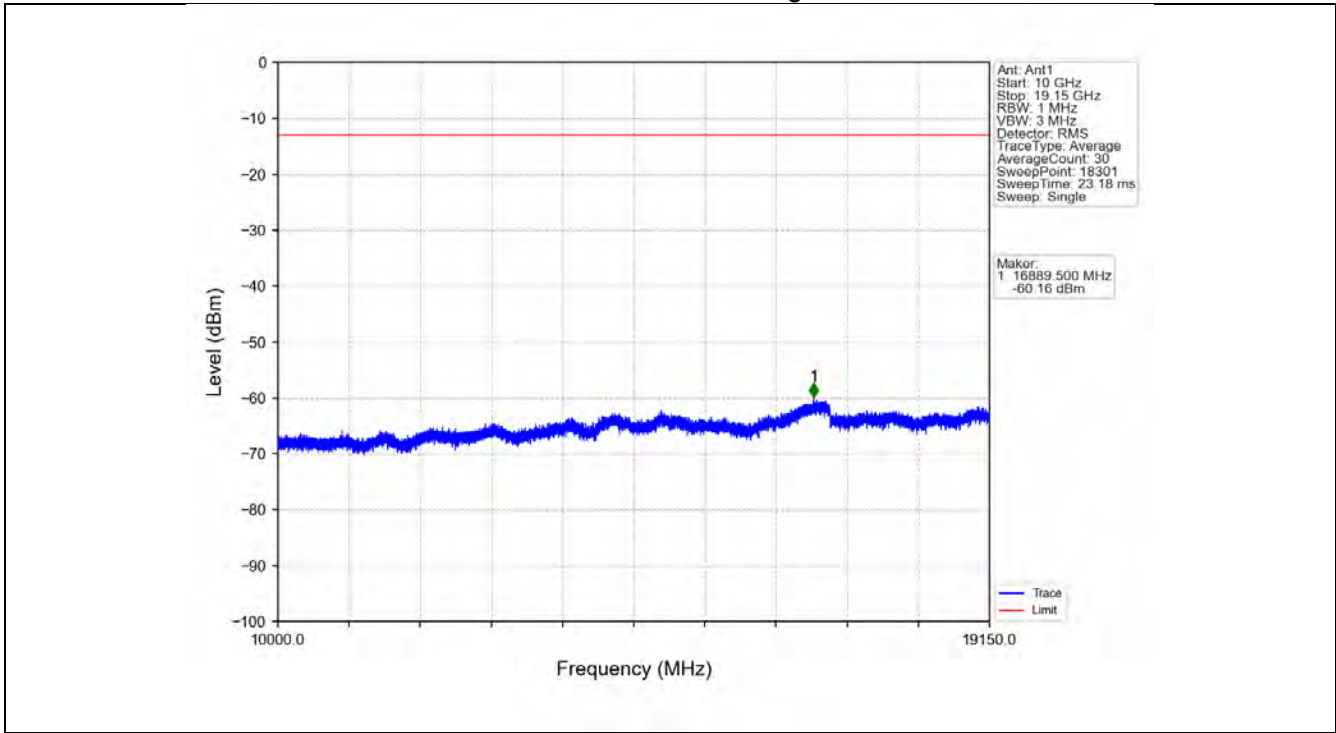


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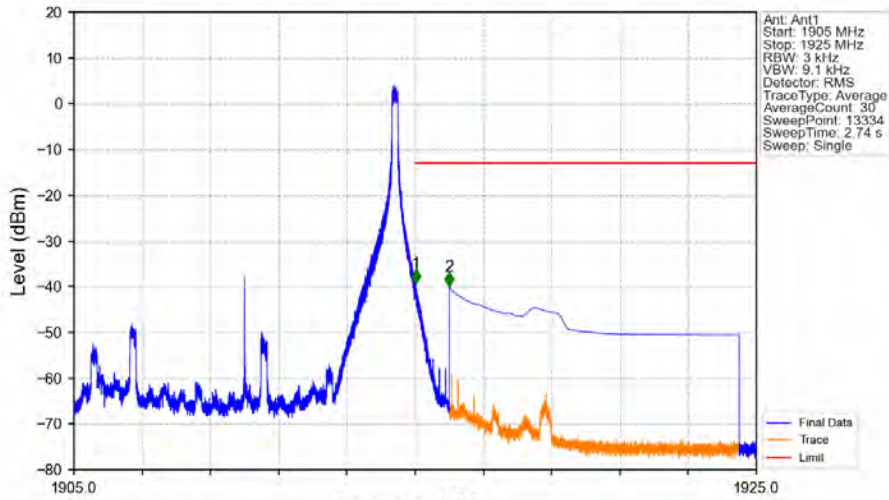


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Band25_10MHz_QPSK_HCH_1910MHz_RB_1_49_NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|-----------|------------|-------------|-------------|--------|
| 1905 | 1915 | 0.003 | / | 1 | 1915.017 | -39.26 | -13 | Pass |
| 1915 | 1916 | 0.003 | / | 1 | 1915.017 | -39.26 | -13 | Pass |
| 1916 | 1925 | 1 | CHP | 2 | 1916.001 | -40.04 | -13 | Pass |

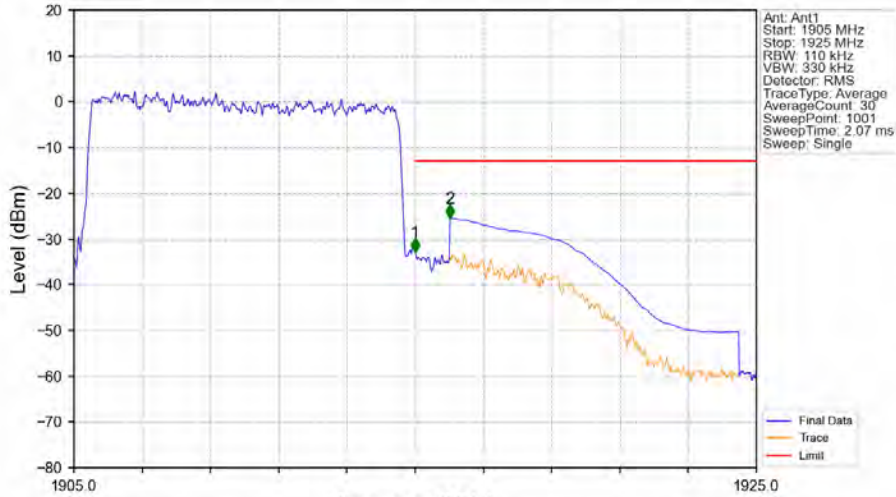
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| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|-----------|------------|-------------|-------------|--------|
| 1905 | 1915 | 0.11 | / | 1 | 1915.000 | -32.86 | -13 | Pass |
| 1915 | 1916 | 0.11 | / | 2 | 1916.020 | -25.47 | -13 | Pass |
| 1916 | 1925 | 1 | CHP | | | | | |



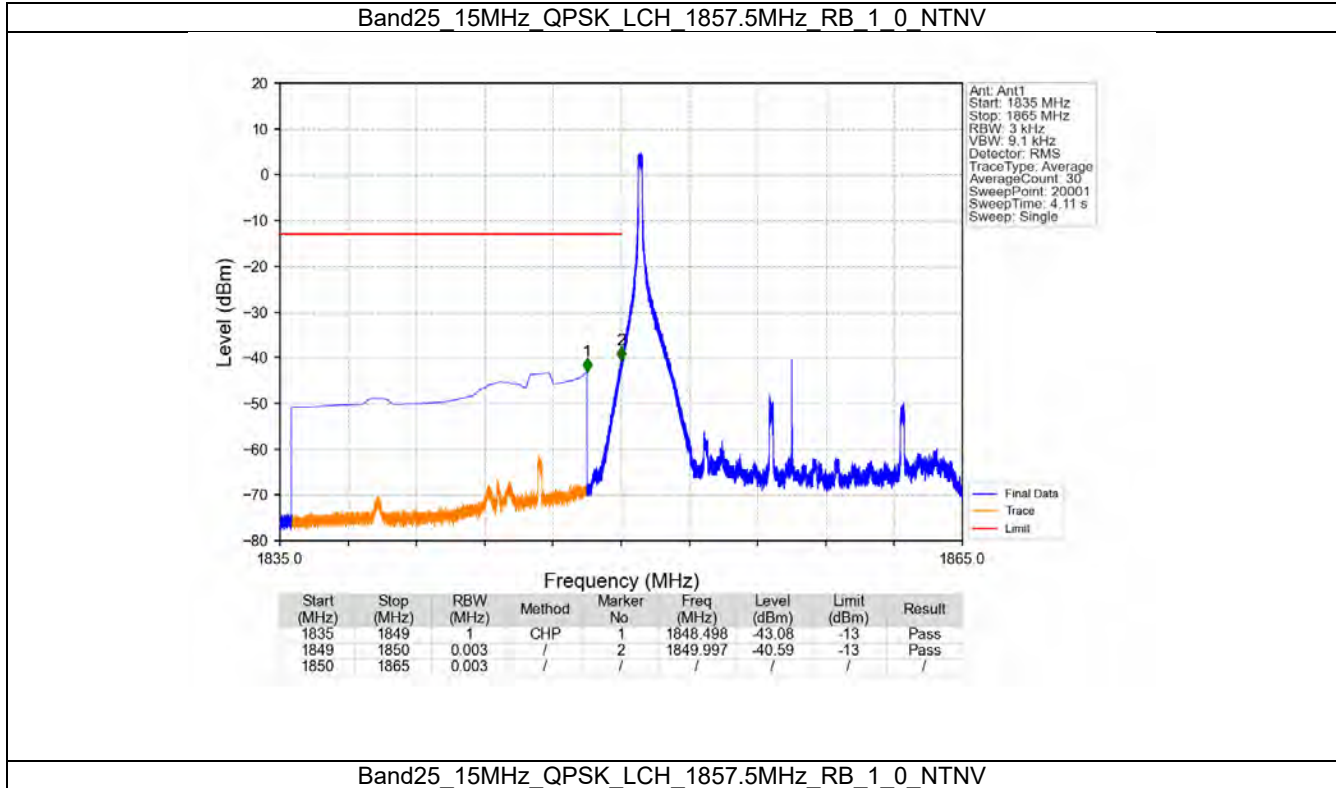
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5.5 B25_15MHz

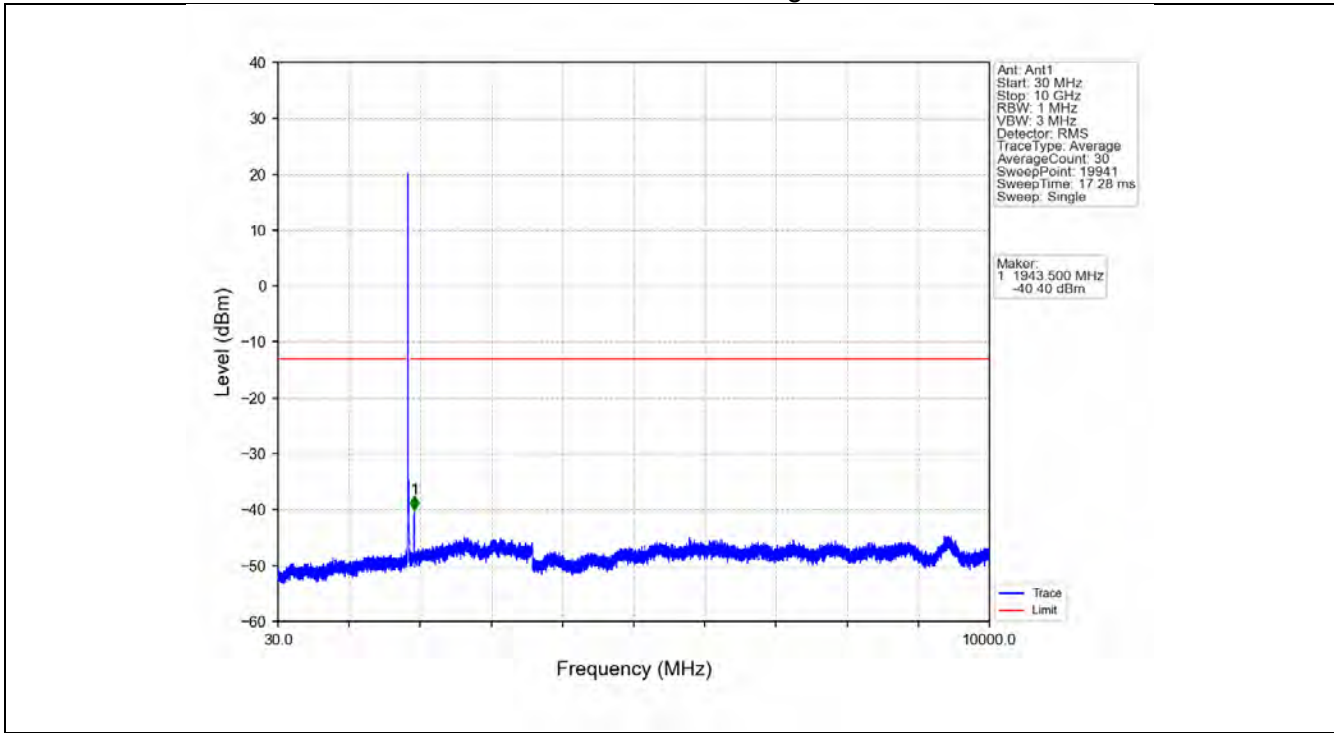
5.5.2 Test Graph



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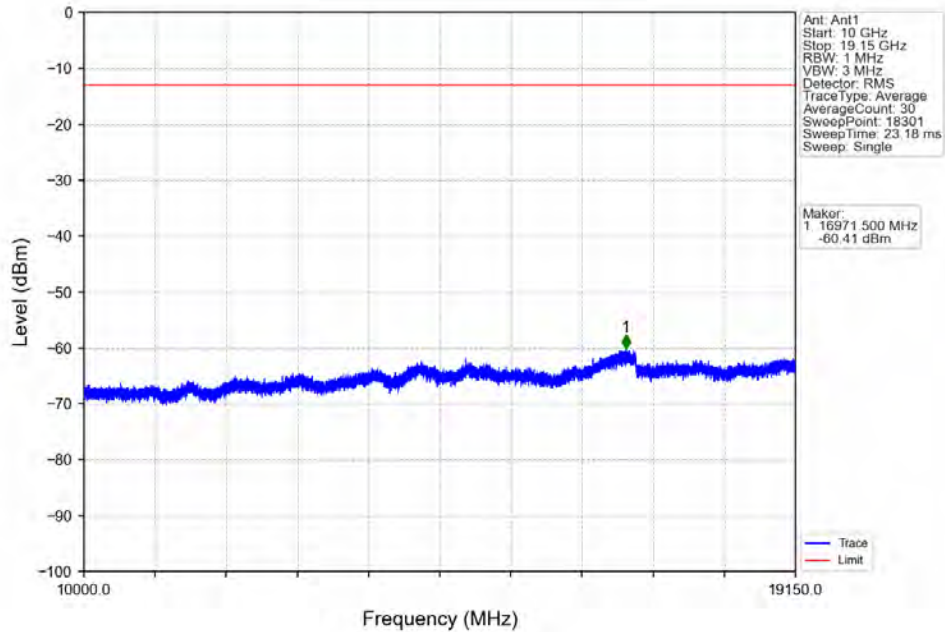


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Band25_15MHz_QPSK_LCH_1857.5MHz_RB_1_0_NTNV



Band25_15MHz_QPSK_LCH_1857.5MHz_RB_75_0_NTNV



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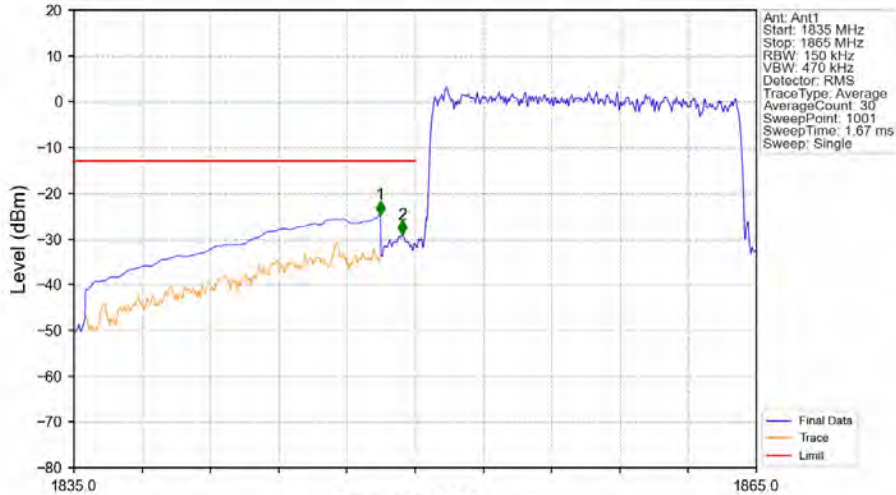
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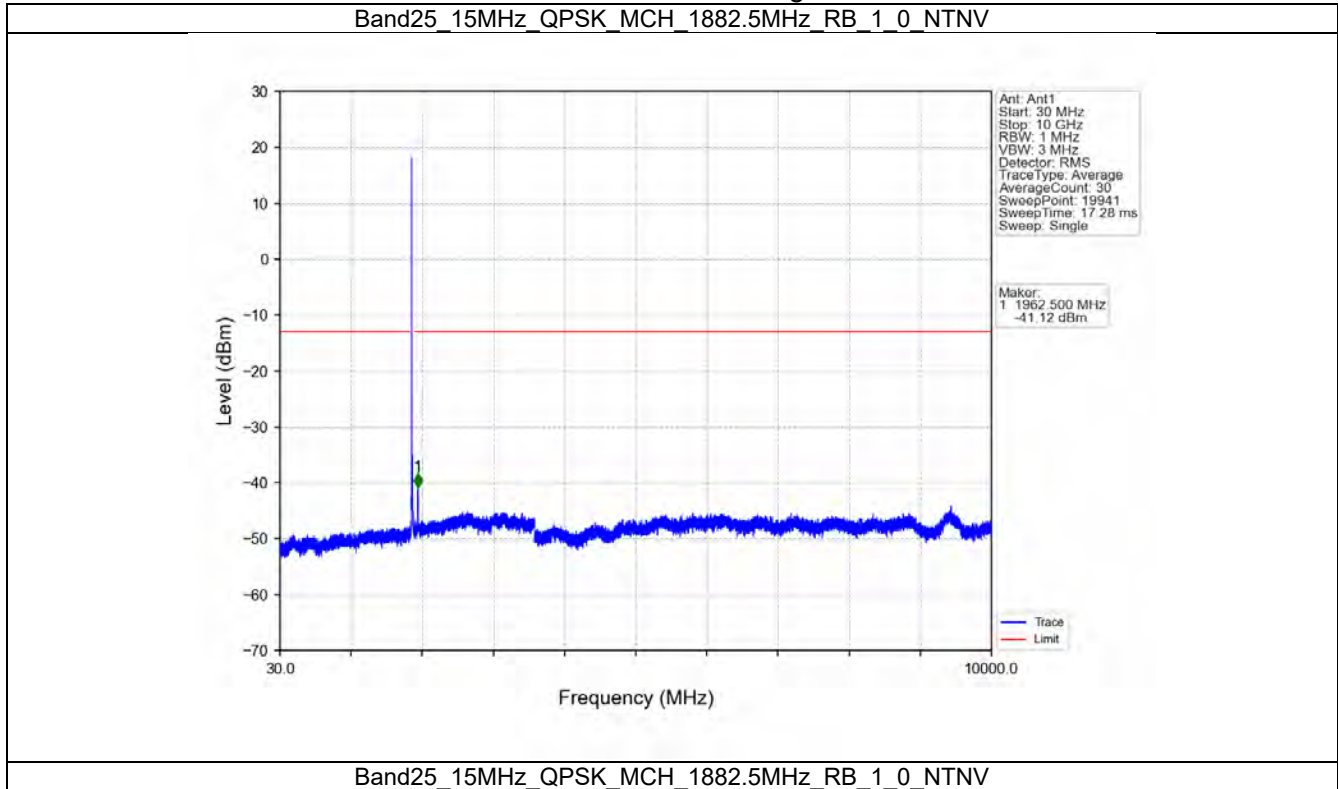
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|-----------|------------|-------------|-------------|--------|
| 1835 | 1849 | 1 | CHP | 1 | 1848.470 | -24.72 | -13 | Pass |
| 1849 | 1850 | 0.15 | / | 2 | 1849.430 | -29.03 | -13 | Pass |
| 1850 | 1865 | 0.15 | / | / | / | / | / | / |



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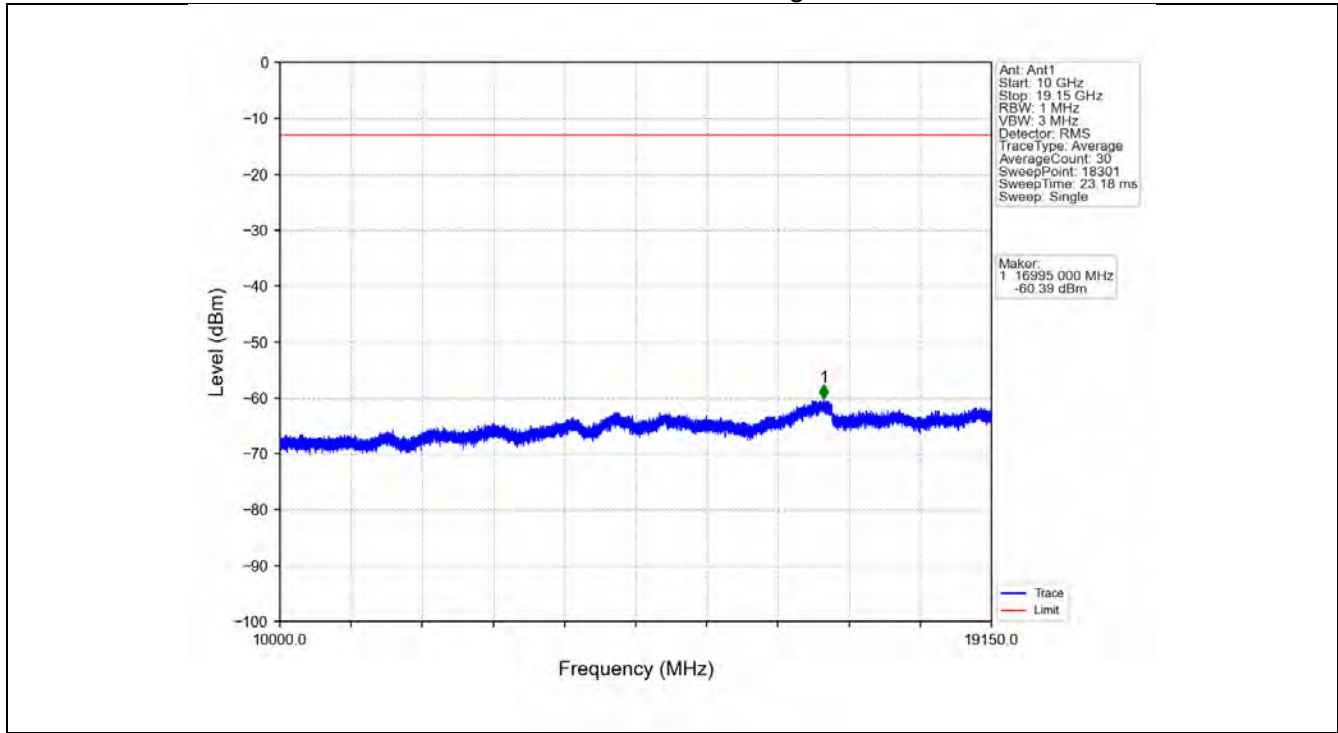


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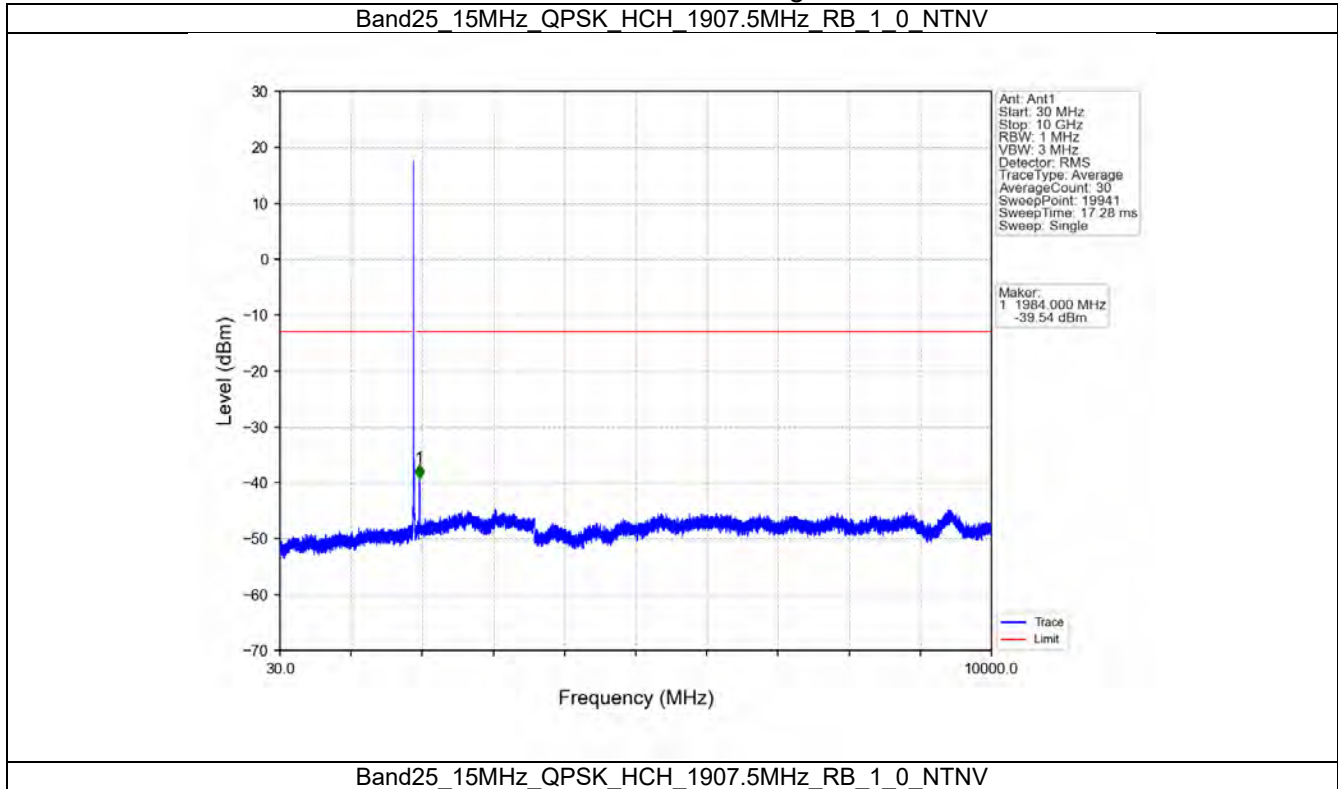
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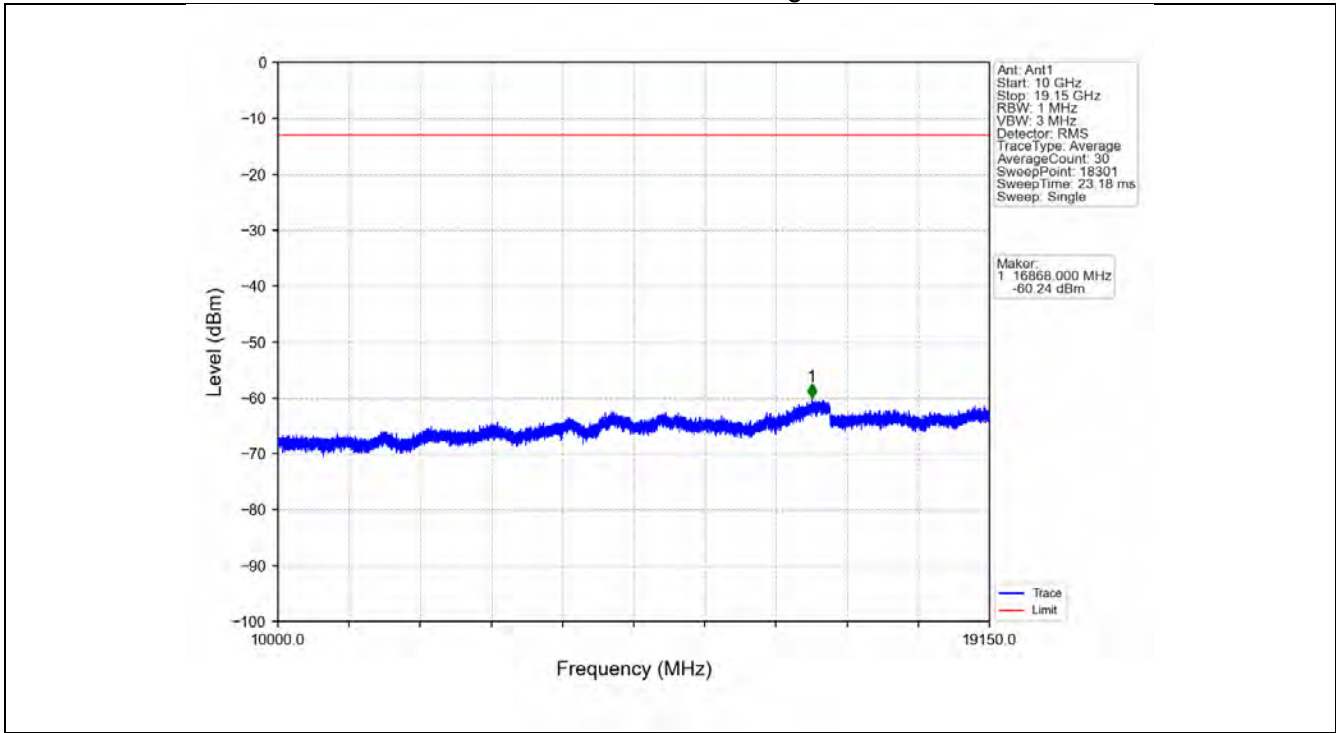
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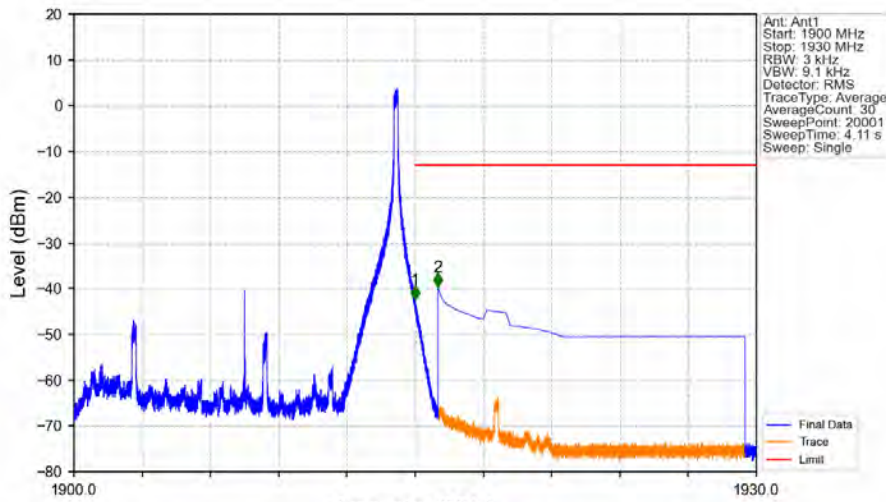


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Band25_15MHz_QPSK_HCH_1907.5MHz_RB_1_74_NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 1900 | 1915 | 0.003 | / | 1 | 1915.000 | -42.44 | -13 | Pass |
| 1915 | 1916 | 0.003 | / | 1 | 1915.000 | -42.44 | -13 | Pass |
| 1916 | 1930 | 1 | CHP | 2 | 1916.001 | -39.56 | -13 | Pass |

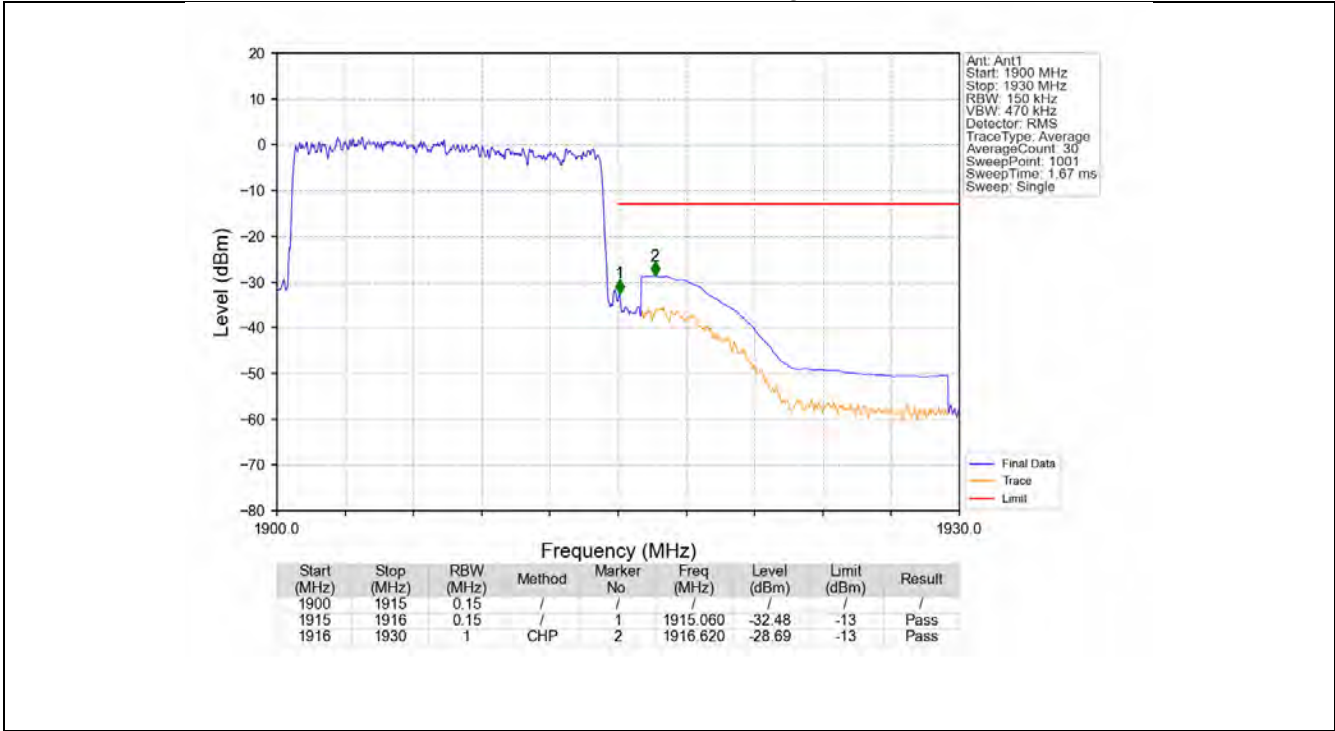
Band25_15MHz_QPSK_HCH_1907.5MHz_RB_75_0_NTNV



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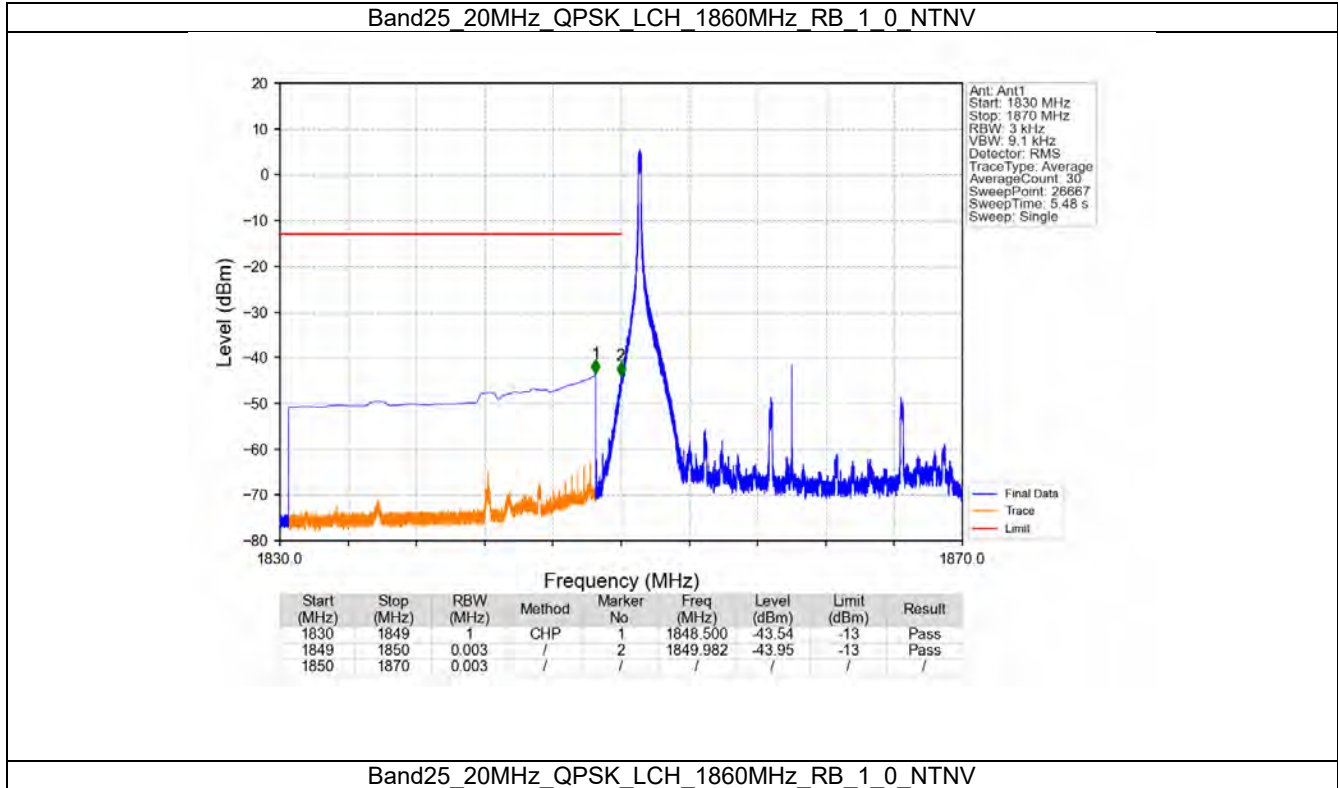
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5.6 B25_20MHz

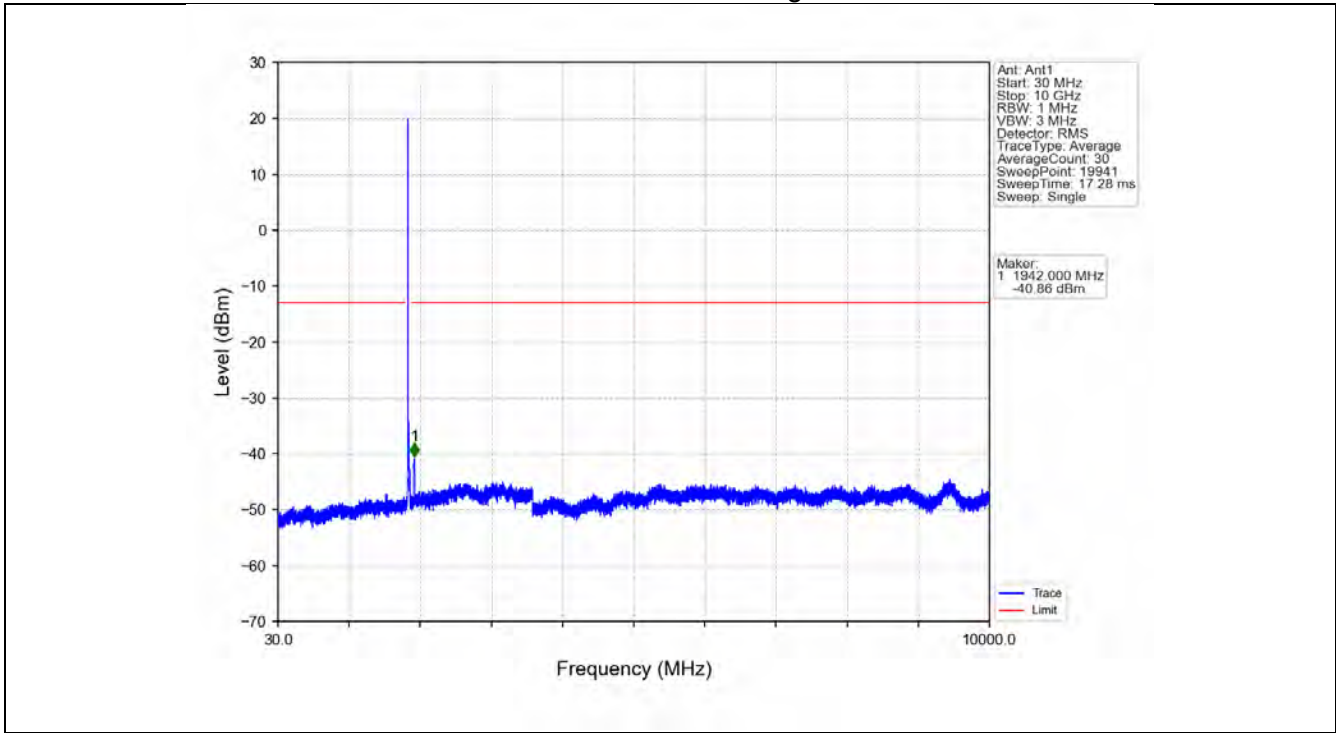
5.6.2 Test Graph



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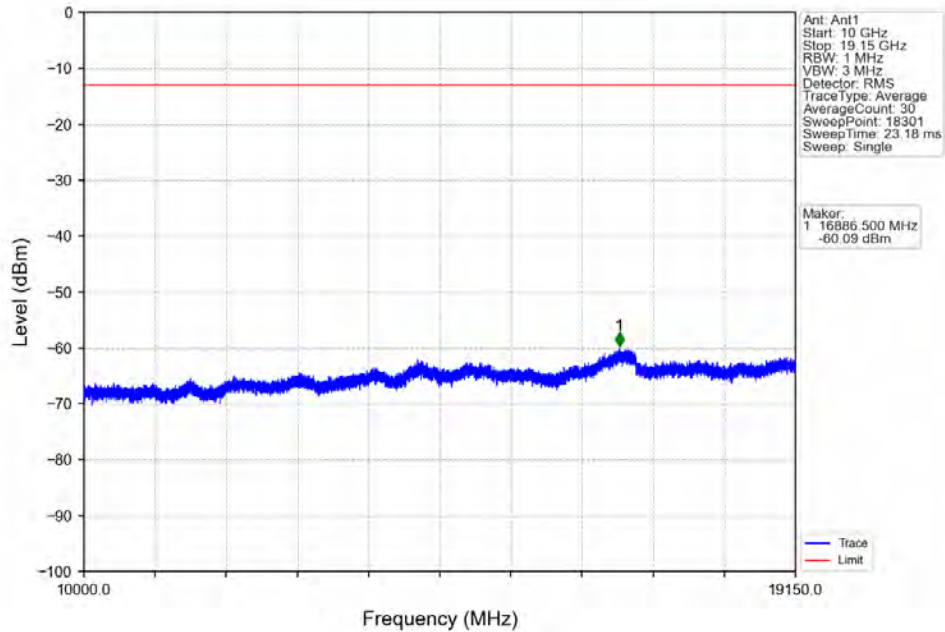


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Band25_20MHz_QPSK_LCH_1860MHz_RB_1_0_NTNV



Band25_20MHz_QPSK_LCH_1860MHz_RB_100_0_NTNV

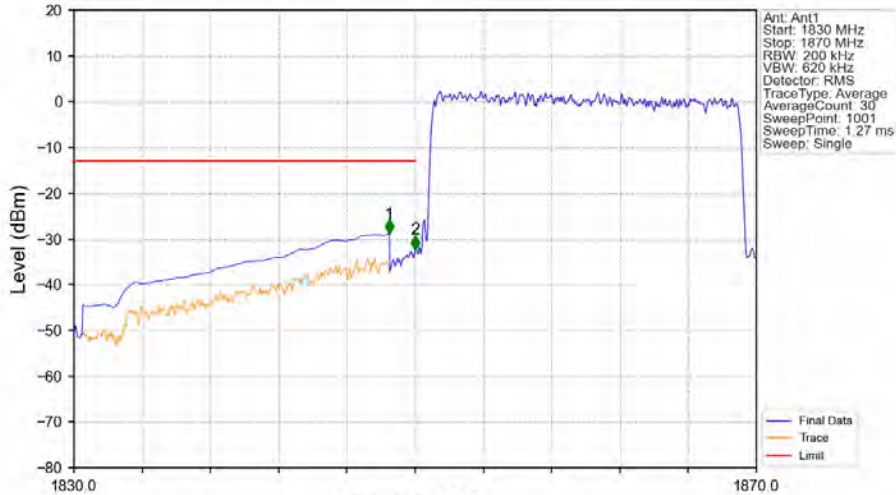


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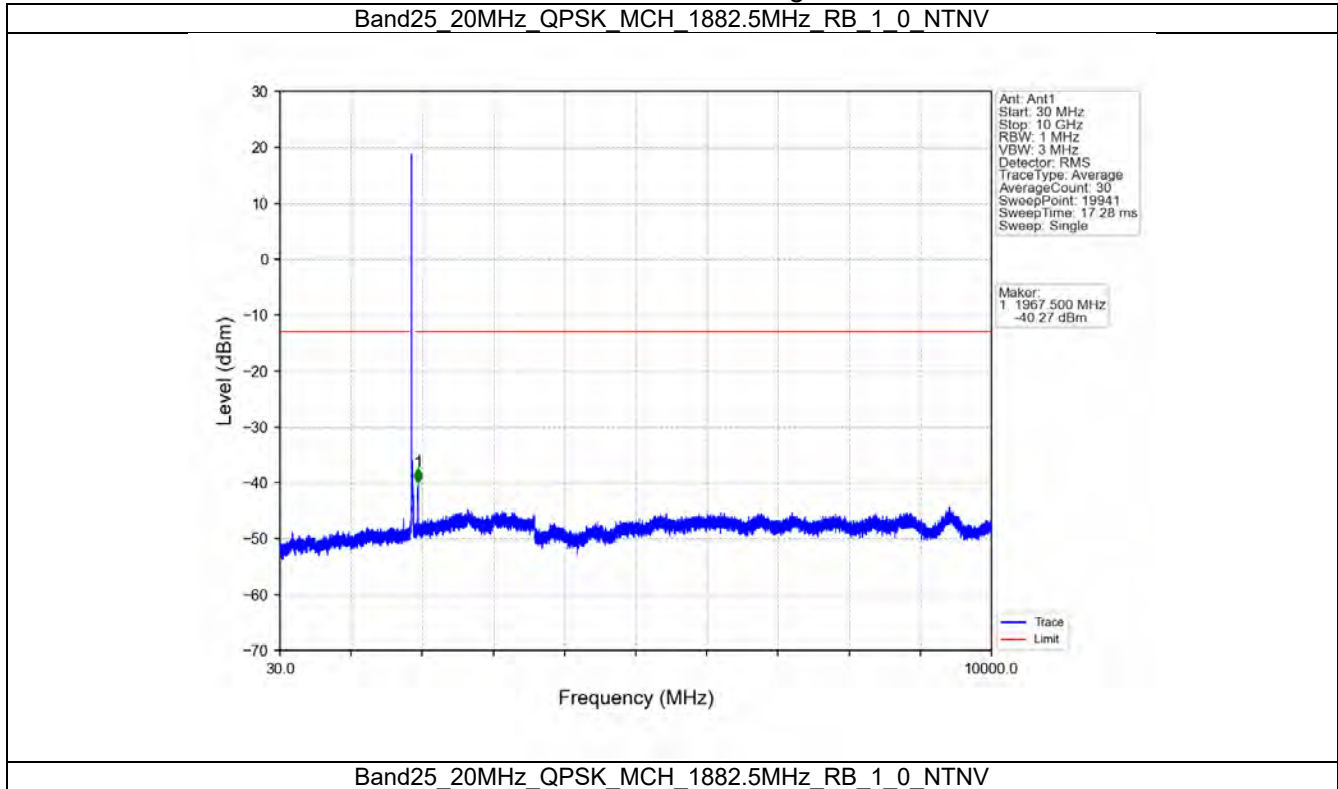
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|-----------|------------|-------------|-------------|--------|
| 1830 | 1849 | 1 | CHP | 1 | 1848.480 | -28.82 | -13 | Pass |
| 1849 | 1850 | 0.2 | / | 2 | 1850.000 | -32.30 | -13 | Pass |
| 1850 | 1870 | 0.2 | / | / | / | / | / | / |



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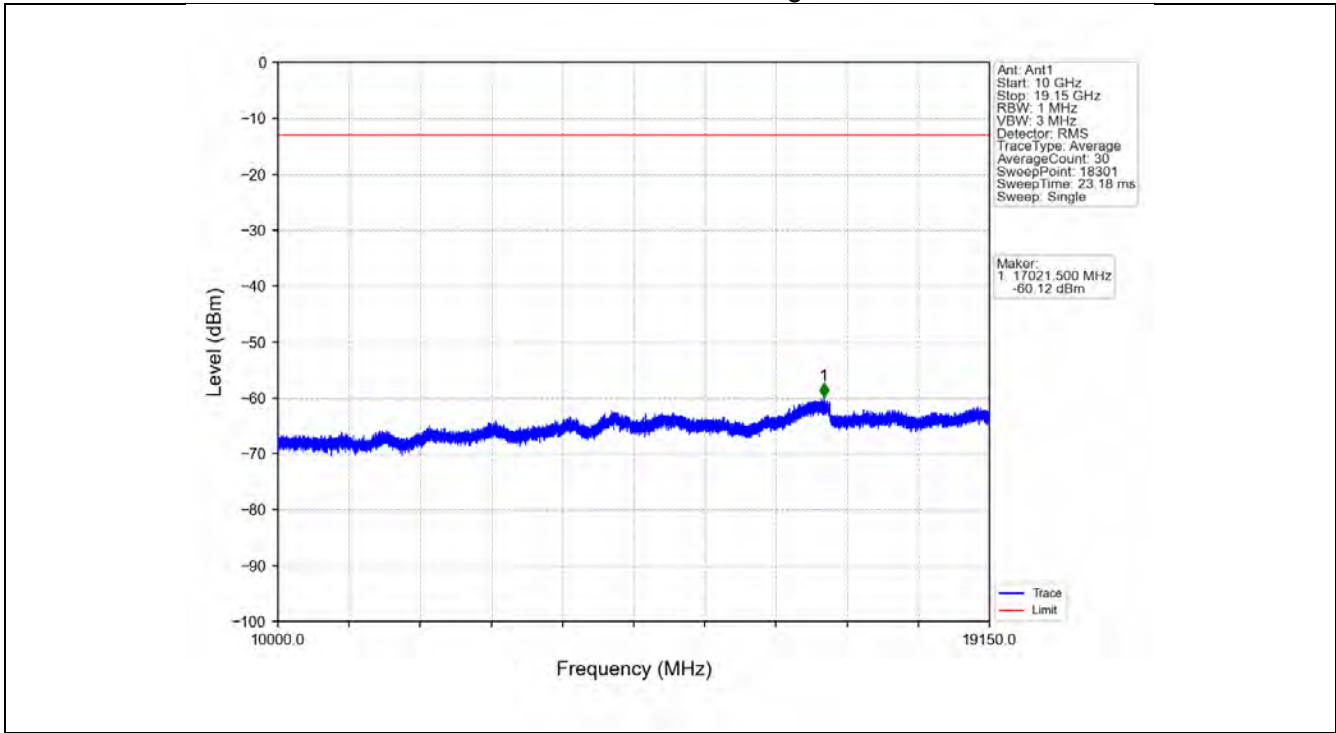
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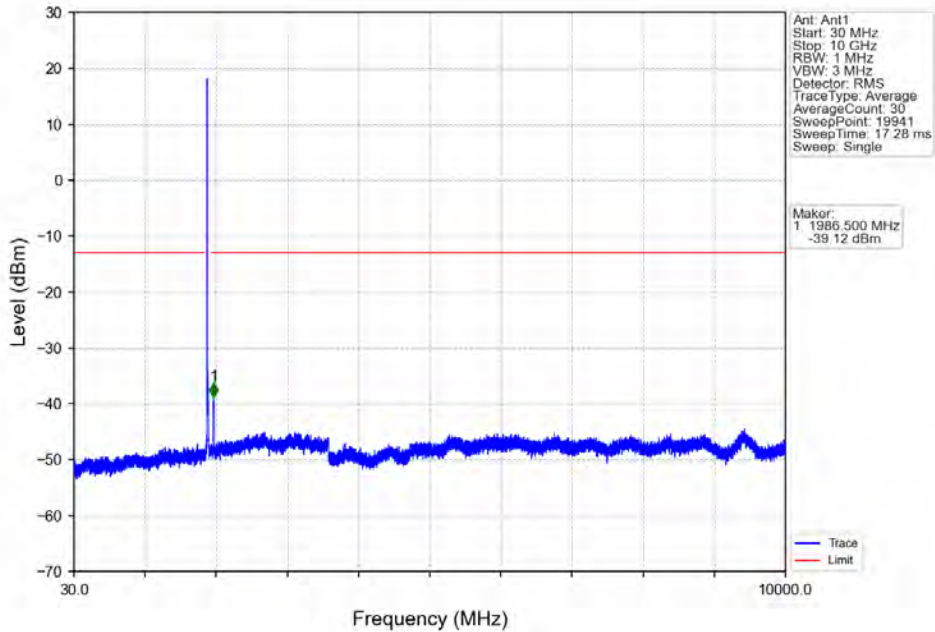


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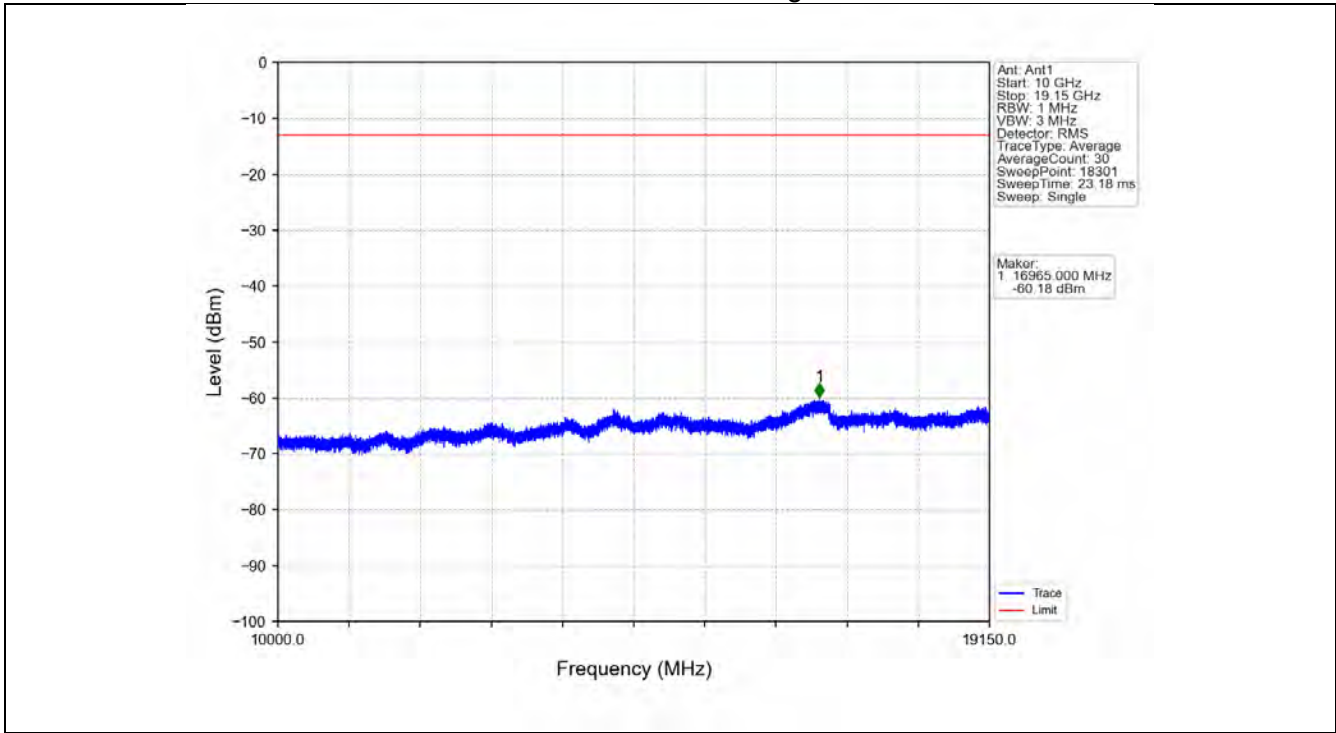
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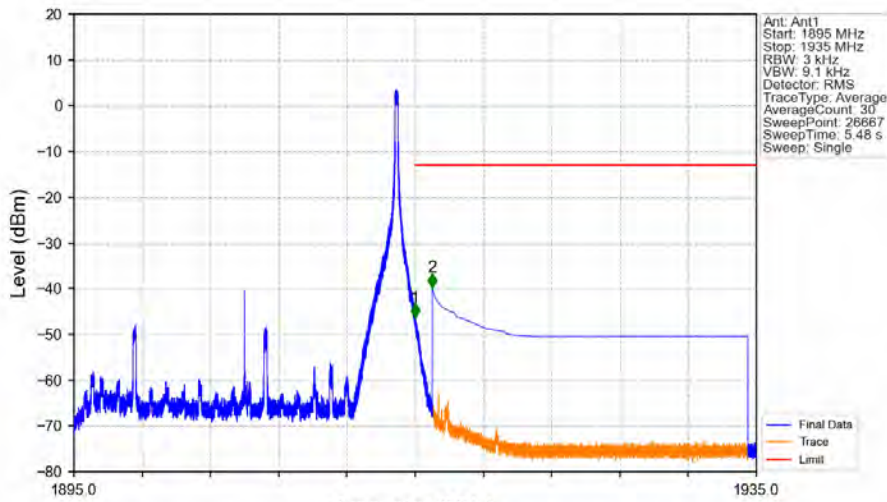


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Band25_20MHz QPSK HCH_1905MHz_RB_1_99_NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|-----------|------------|-------------|-------------|--------|
| 1895 | 1915 | 0.003 | / | 1 | 1915.002 | -46.29 | -13 | Pass |
| 1915 | 1916 | 0.003 | / | 1 | 1915.002 | -46.29 | -13 | Pass |
| 1916 | 1935 | 1 | CHP | 2 | 1916.001 | -39.73 | -13 | Pass |

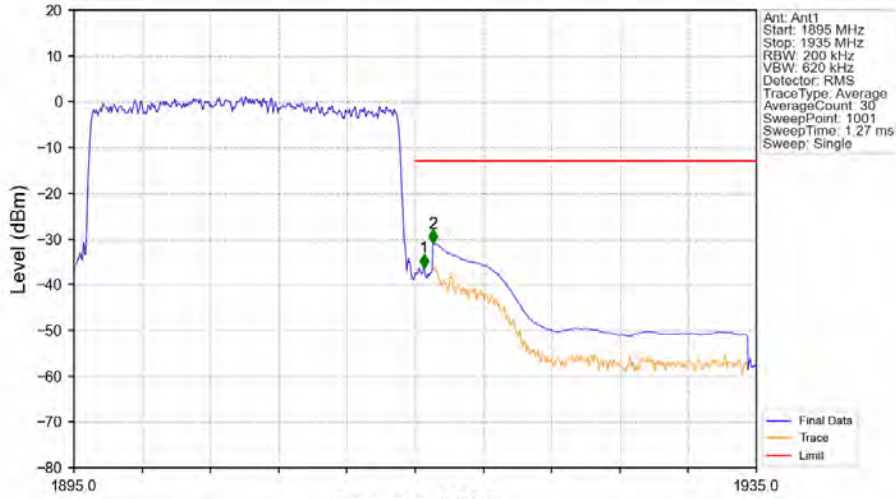
Band25 20MHz QPSK HCH_1905MHz_RB_100_0_NTNV



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| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|-----------|------------|-------------|-------------|--------|
| 1895 | 1915 | 0.2 | / | / | / | / | / | / |
| 1915 | 1916 | 0.2 | / | 1 | 1915.520 | -36.36 | -13 | Pass |
| 1916 | 1935 | 1 | CHP | 2 | 1916.040 | -31.03 | -13 | Pass |



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6. Field Strength of Spurious Radiation

Test Band = LTE_25
 Test Channel = LCH

| Final Data List | | | | | | | | |
|-----------------|-------------|----------------|-------------|----------|-------------|-------------|-------------|------------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1 | 3702.0351 | 66.54 | -50.00 | 30.31 | -48.41 | -13.00 | 35.41 | Horizontal |
| 2 | 5553.1277 | 73.72 | -45.47 | 33.21 | -33.80 | -13.00 | 20.80 | Horizontal |
| 3 | 7473.9737 | 51.00 | -43.36 | 36.65 | -50.97 | -13.00 | 37.97 | Horizontal |
| 4 | 9471.3236 | 50.11 | -41.41 | 39.09 | -47.47 | -13.00 | 34.47 | Horizontal |
| 5 | 11906.6953 | 47.51 | -37.81 | 39.49 | -46.07 | -13.00 | 33.07 | Horizontal |
| 6 | 15017.8509 | 49.13 | -38.90 | 39.88 | -45.15 | -13.00 | 32.15 | Horizontal |

| Final Data List | | | | | | | | |
|-----------------|-------------|----------------|-------------|----------|-------------|-------------|-------------|----------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1 | 3702.0351 | 63.70 | -50.00 | 30.31 | -51.25 | -13.00 | 38.25 | Vertical |
| 2 | 5553.1277 | 67.55 | -45.47 | 33.21 | -39.97 | -13.00 | 26.97 | Vertical |
| 3 | 7458.9729 | 50.84 | -43.47 | 36.68 | -51.21 | -13.00 | 38.21 | Vertical |
| 4 | 9496.8248 | 50.17 | -41.50 | 39.19 | -47.40 | -13.00 | 34.40 | Vertical |
| 5 | 11901.4451 | 47.42 | -37.73 | 39.50 | -46.07 | -13.00 | 33.07 | Vertical |
| 6 | 14278.3139 | 48.71 | -39.73 | 40.72 | -45.56 | -13.00 | 32.56 | Vertical |



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Test Band = LTE_25
 Test Channel = MCH

| Final Data List | | | | | | | | |
|-----------------|-------------|----------------|-------------|----------|-------------|-------------|-------------|------------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1 | 3747.0374 | 68.94 | -49.40 | 30.49 | -45.23 | -13.00 | 32.23 | Horizontal |
| 2 | 5621.3811 | 73.25 | -45.46 | 33.36 | -34.11 | -13.00 | 21.11 | Horizontal |
| 3 | 7123.7062 | 50.84 | -43.93 | 36.99 | -51.36 | -13.00 | 38.36 | Horizontal |
| 4 | 9499.825 | 50.23 | -41.51 | 39.20 | -47.34 | -13.00 | 34.34 | Horizontal |
| 5 | 11881.9441 | 47.90 | -38.08 | 39.57 | -45.87 | -13.00 | 32.87 | Horizontal |
| 6 | 15034.3517 | 49.09 | -39.03 | 39.87 | -45.33 | -13.00 | 32.33 | Horizontal |

| Final Data List | | | | | | | | |
|-----------------|-------------|----------------|-------------|----------|-------------|-------------|-------------|----------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1 | 3747.0374 | 62.27 | -49.40 | 30.49 | -51.90 | -13.00 | 38.90 | Vertical |
| 2 | 5620.631 | 73.27 | -45.46 | 33.36 | -34.09 | -13.00 | 21.09 | Vertical |
| 3 | 7463.4732 | 50.65 | -43.44 | 36.67 | -51.38 | -13.00 | 38.38 | Vertical |
| 4 | 9481.8241 | 50.23 | -41.45 | 39.13 | -47.35 | -13.00 | 34.35 | Vertical |
| 5 | 14275.3138 | 48.81 | -39.73 | 40.72 | -45.46 | -13.00 | 32.46 | Vertical |
| 6 | 17978.2489 | 50.11 | -43.66 | 42.67 | -46.14 | -13.00 | 33.14 | Vertical |



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Test Band = LTE_25
 Test Channel = HCH

| Final Data List | | | | | | | | |
|-----------------|-------------|----------------|-------------|----------|-------------|-------------|-------------|------------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1 | 3792.0396 | 65.85 | -49.53 | 30.50 | -48.44 | -13.00 | 35.44 | Horizontal |
| 2 | 5688.1344 | 73.33 | -44.84 | 33.45 | -33.32 | -13.00 | 20.32 | Horizontal |
| 3 | 7462.7231 | 50.85 | -43.45 | 36.67 | -51.19 | -13.00 | 38.19 | Horizontal |
| 4 | 9498.3249 | 50.16 | -41.50 | 39.19 | -47.41 | -13.00 | 34.41 | Horizontal |
| 5 | 12217.2109 | 47.71 | -37.97 | 39.53 | -45.99 | -13.00 | 32.99 | Horizontal |
| 6 | 17897.9949 | 49.92 | -43.02 | 42.18 | -46.18 | -13.00 | 33.18 | Horizontal |

| Final Data List | | | | | | | | |
|-----------------|-------------|----------------|-------------|----------|-------------|-------------|-------------|----------|
| NO. | Freq. [MHz] | Reading [dBμV] | Factor [dB] | AF[dB/m] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1 | 3792.0396 | 60.26 | -49.53 | 30.50 | -54.03 | -13.00 | 41.03 | Vertical |
| 2 | 5688.1344 | 74.43 | -44.84 | 33.45 | -32.22 | -13.00 | 19.22 | Vertical |
| 3 | 7466.4733 | 50.95 | -43.42 | 36.67 | -51.06 | -13.00 | 38.06 | Vertical |
| 4 | 9480.324 | 51.23 | -41.44 | 39.12 | -46.35 | -13.00 | 33.35 | Vertical |
| 5 | 11876.6938 | 47.77 | -38.19 | 39.59 | -46.09 | -13.00 | 33.09 | Vertical |
| 6 | 17993.9997 | 50.04 | -44.04 | 42.76 | -46.50 | -13.00 | 33.50 | Vertical |

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

---End of Attachment---



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