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3. Peak-Average Ratio

3.1 B5\_1.4MHz

3.1.1 Test Result

| Band: 5 / Bandwidth: 1.4MHz / NTNV |                    |               |        |                         |       |         |
|------------------------------------|--------------------|---------------|--------|-------------------------|-------|---------|
| Modulation                         | Frequency<br>(MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                    |                    | Size          | Offset | Result                  | Limit |         |
| QPSK                               | 824.7              | 6             | 0      | 5.42                    | <=13  | Pass    |
|                                    | 836.5              | 6             | 0      | 5.33                    | <=13  | Pass    |
|                                    | 848.3              | 6             | 0      | 5.33                    | <=13  | Pass    |
| 16QAM                              | 824.7              | 6             | 0      | 6.18                    | <=13  | Pass    |
|                                    | 836.5              | 6             | 0      | 6.18                    | <=13  | Pass    |
|                                    | 848.3              | 6             | 0      | 6.19                    | <=13  | Pass    |
| 64QAM                              | 824.7              | 6             | 0      | 6.79                    | <=13  | Pass    |
|                                    | 836.5              | 6             | 0      | 6.44                    | <=13  | Pass    |
|                                    | 848.3              | 6             | 0      | 6.43                    | <=13  | Pass    |

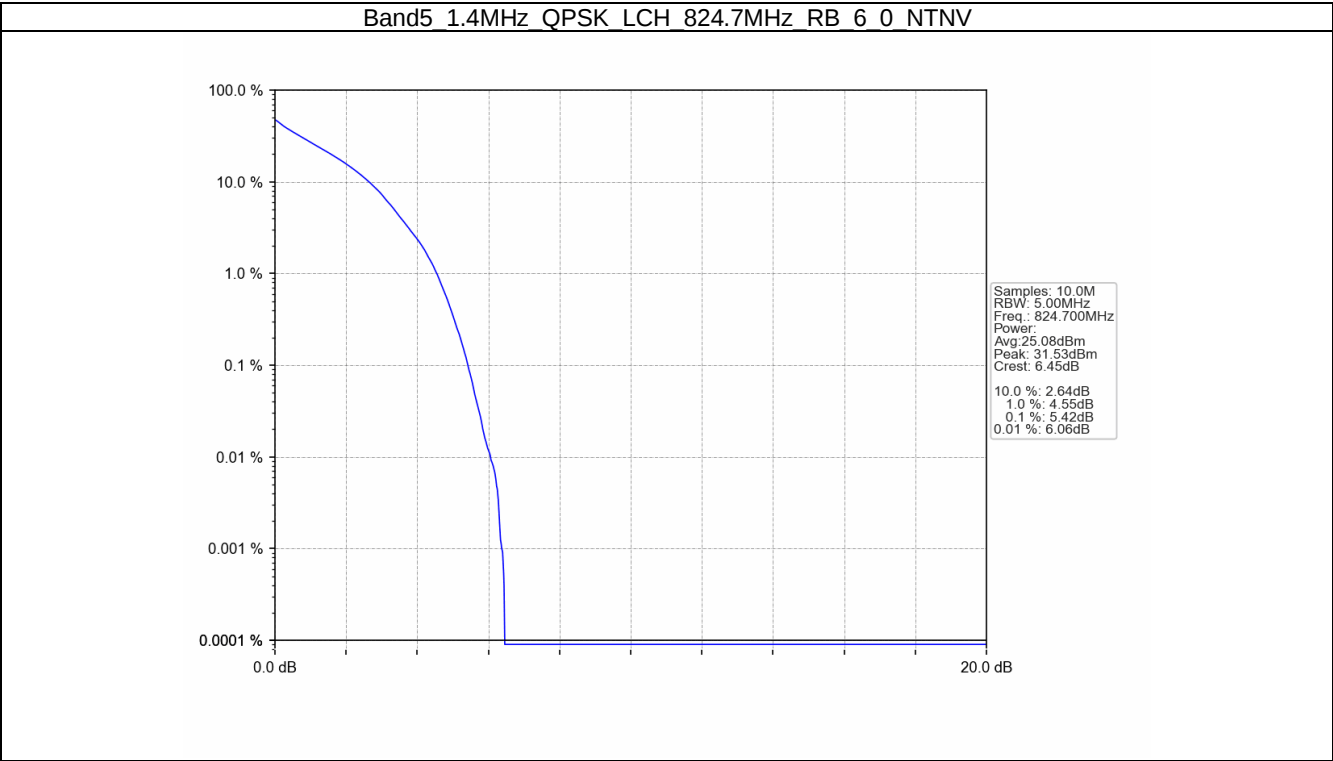


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3.1.2 Test Graph

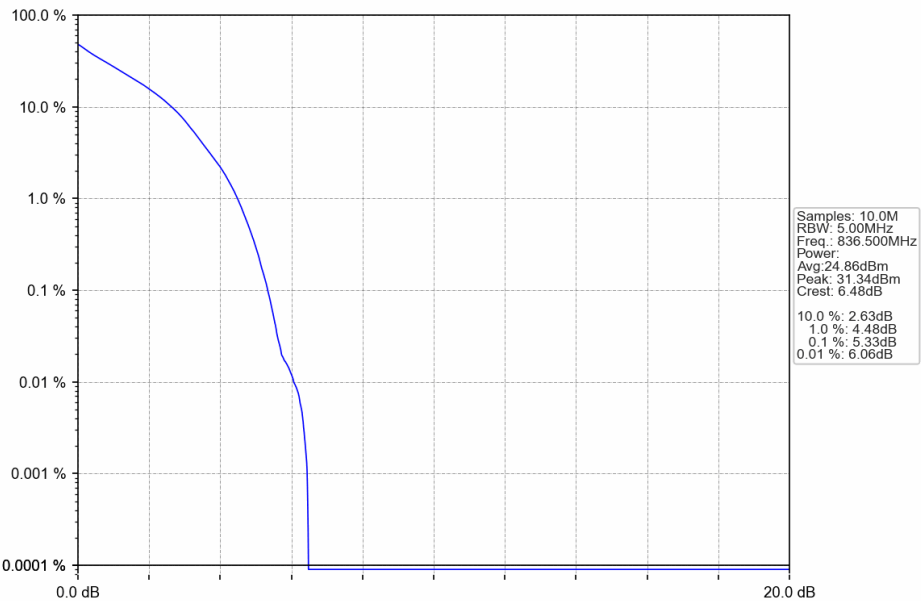




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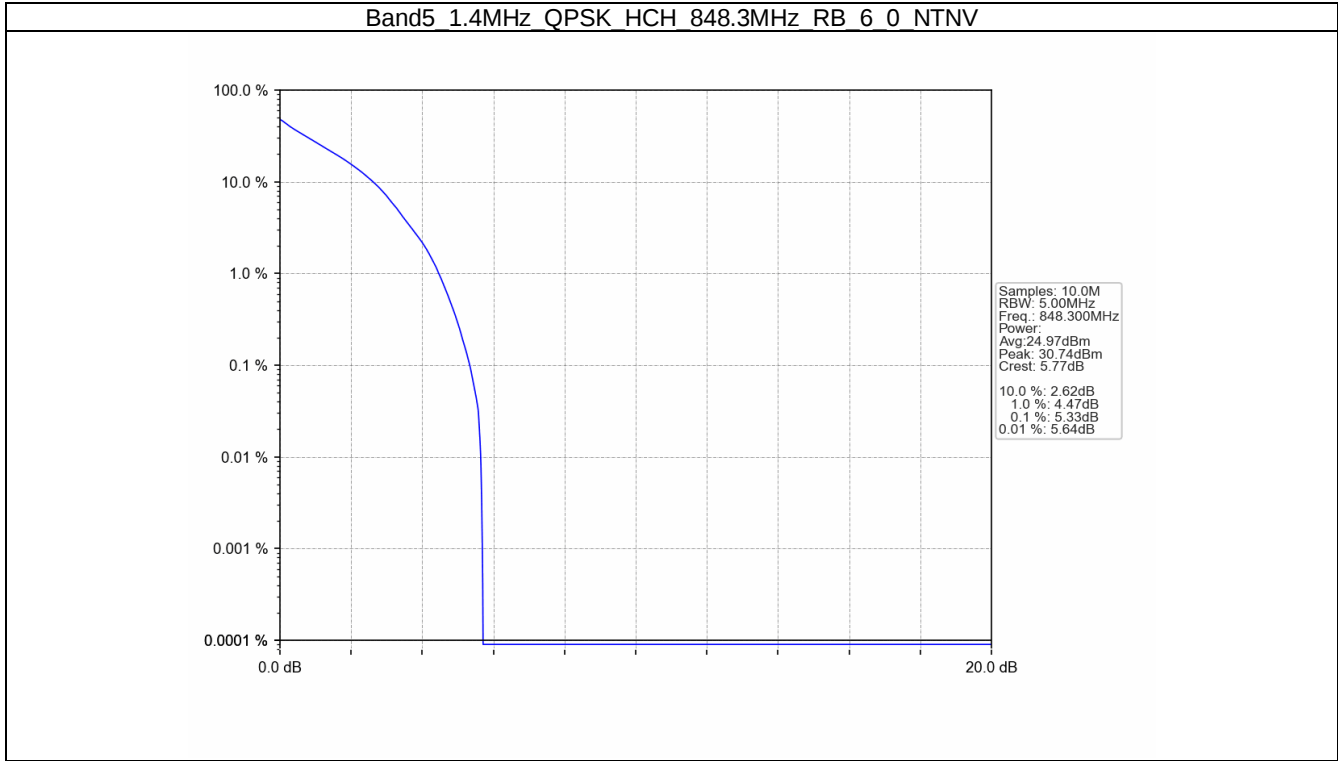
Band5 1.4MHz QPSK MCH 836.5MHz RB 6.0 NTNV





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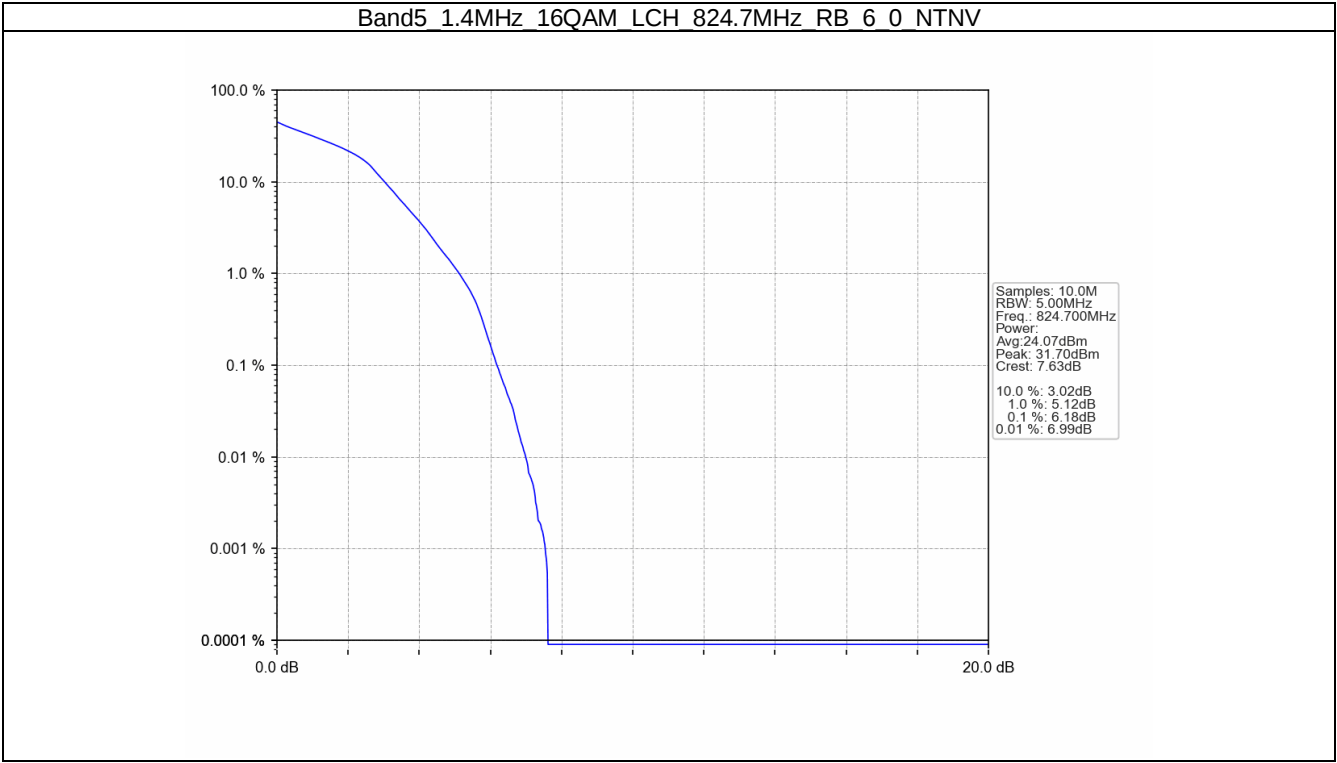
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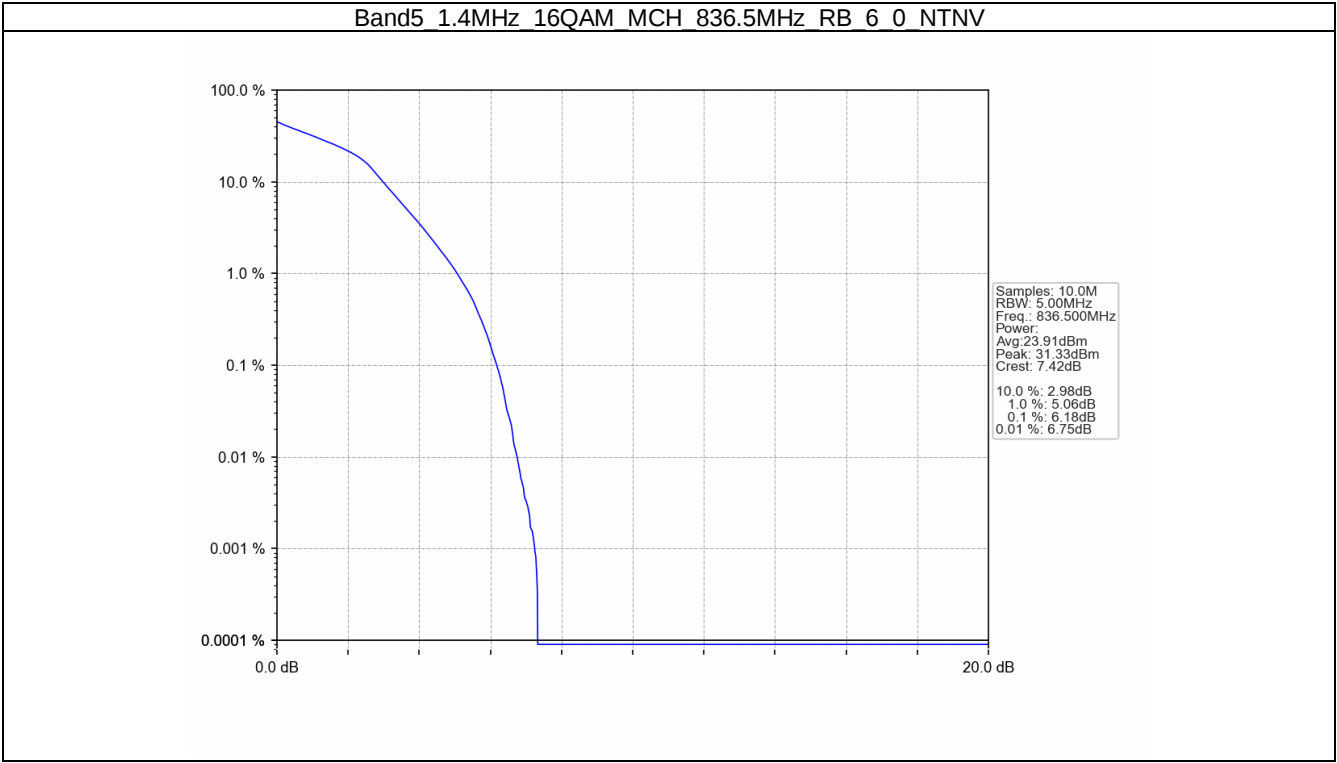




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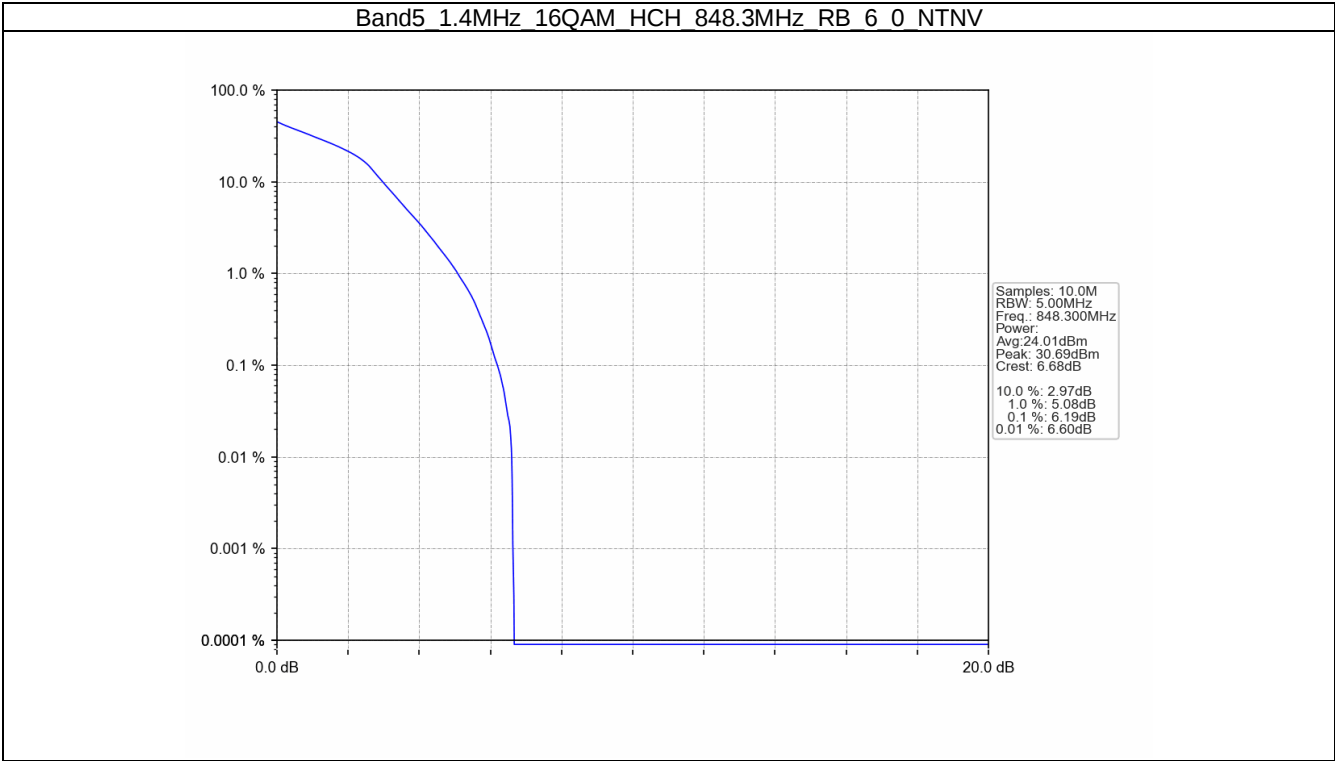




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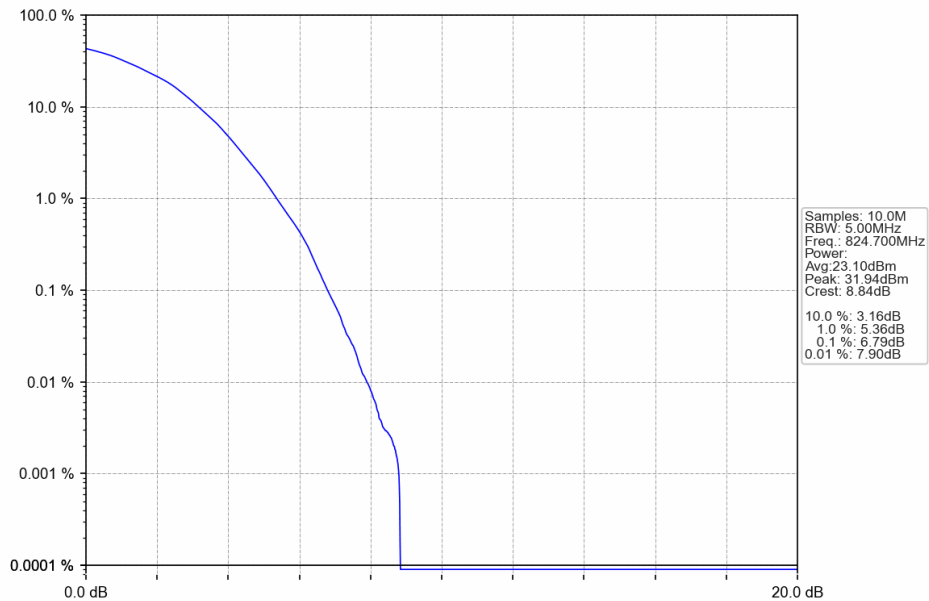


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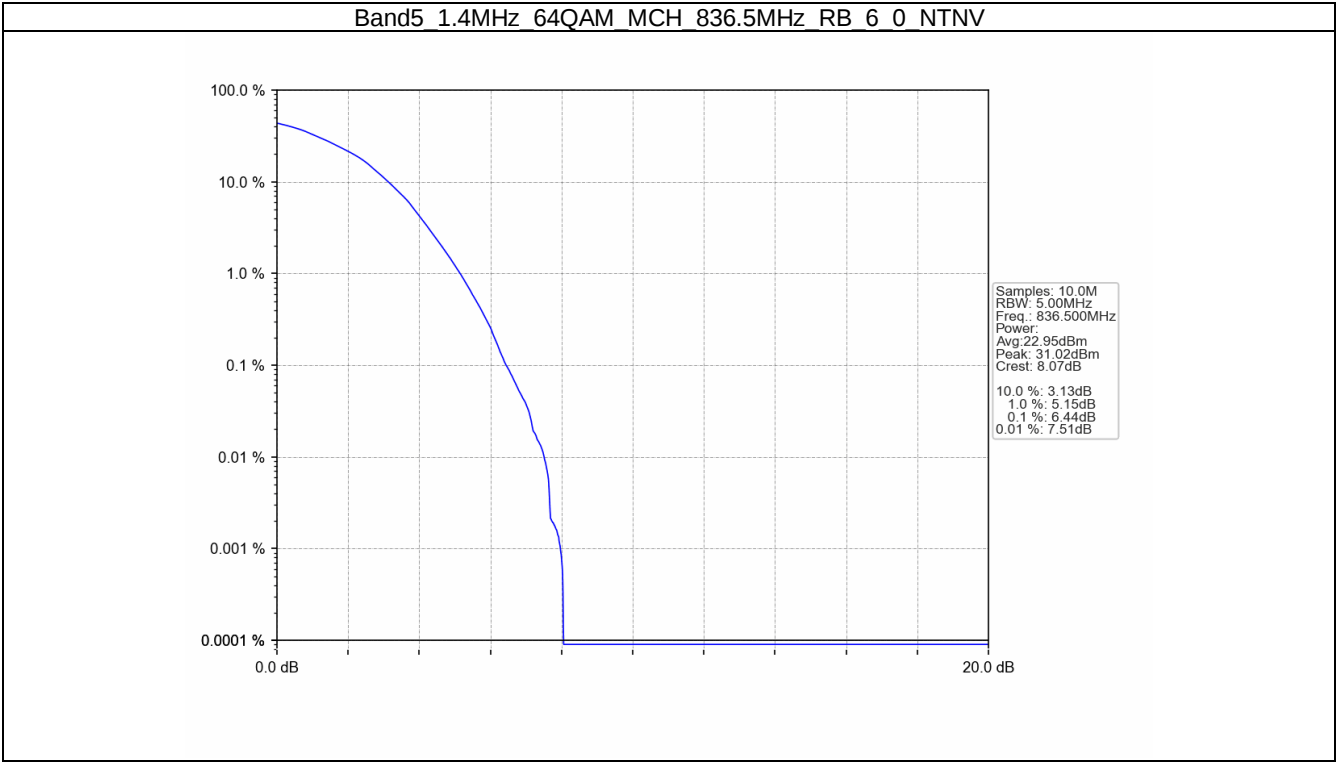
Band5 1.4MHz 64QAM LCH 824.7MHz RB 6 0 NTNV





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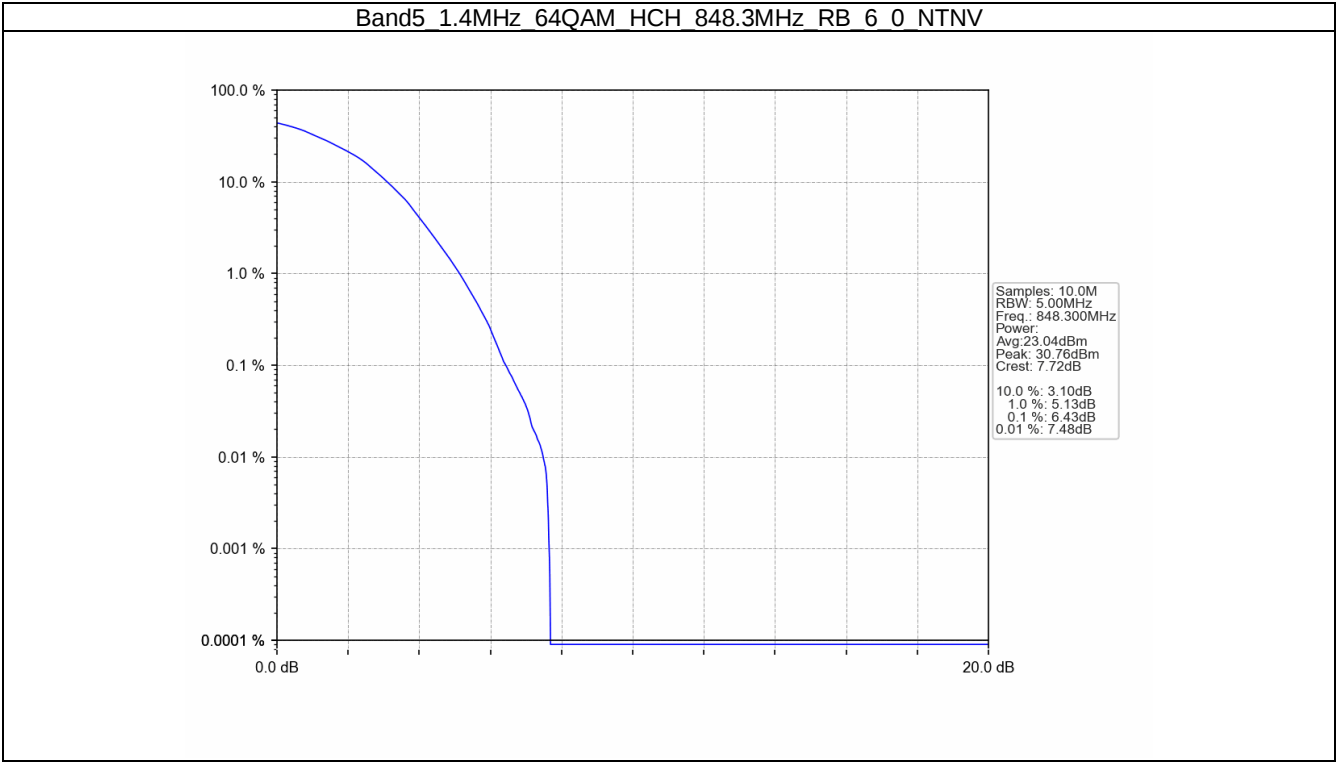
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**3.2 B5\_3MHz**

**3.2.1 Test Result**

| Band: 5 / Bandwidth: 3MHz / NTN |                 |               |        |                         |       |         |
|---------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                      | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                 |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                            | 825.5           | 15            | 0      | 5.30                    | <=13  | Pass    |
|                                 | 836.5           | 15            | 0      | 5.25                    | <=13  | Pass    |
|                                 | 847.5           | 15            | 0      | 5.22                    | <=13  | Pass    |
| 16QAM                           | 825.5           | 15            | 0      | 6.13                    | <=13  | Pass    |
|                                 | 836.5           | 15            | 0      | 6.10                    | <=13  | Pass    |
|                                 | 847.5           | 15            | 0      | 5.97                    | <=13  | Pass    |
| 64QAM                           | 825.5           | 15            | 0      | 6.76                    | <=13  | Pass    |
|                                 | 836.5           | 15            | 0      | 6.64                    | <=13  | Pass    |
|                                 | 847.5           | 15            | 0      | 6.67                    | <=13  | Pass    |

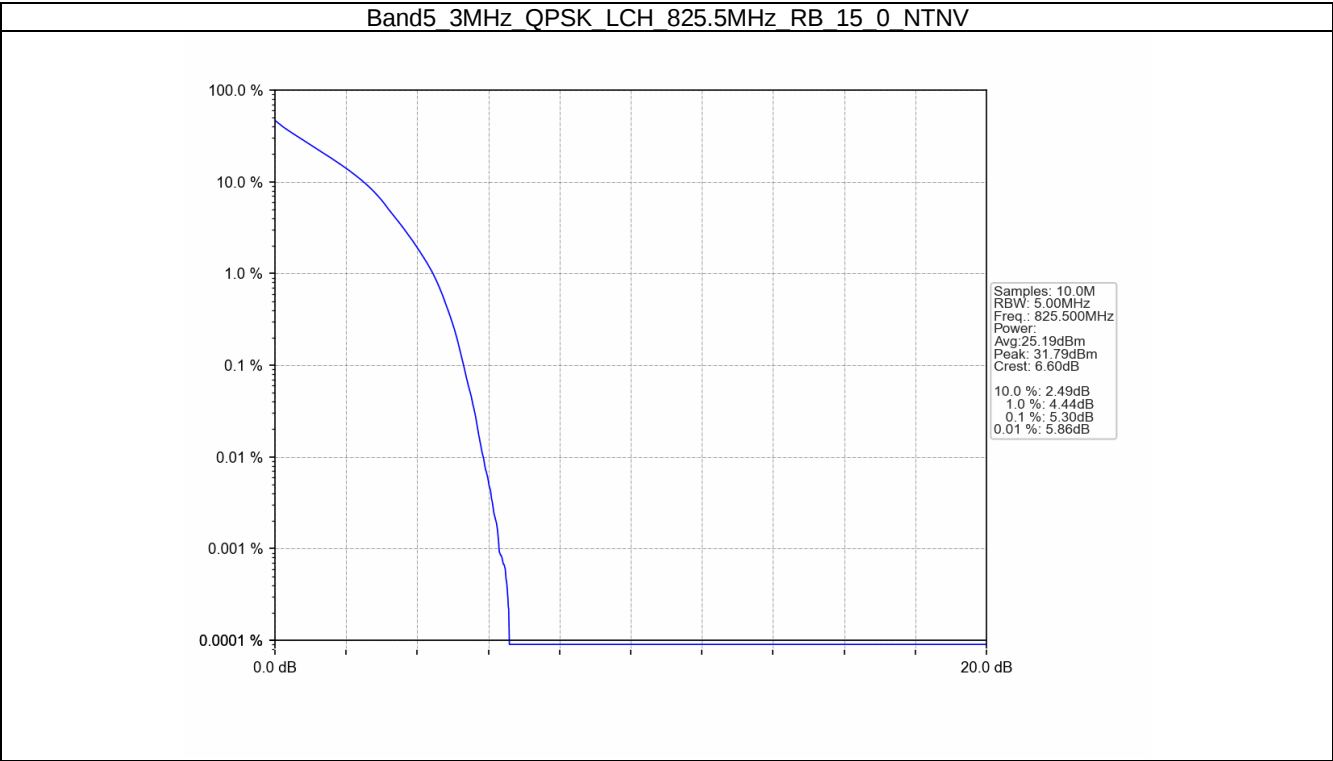


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3.2.2 Test Graph

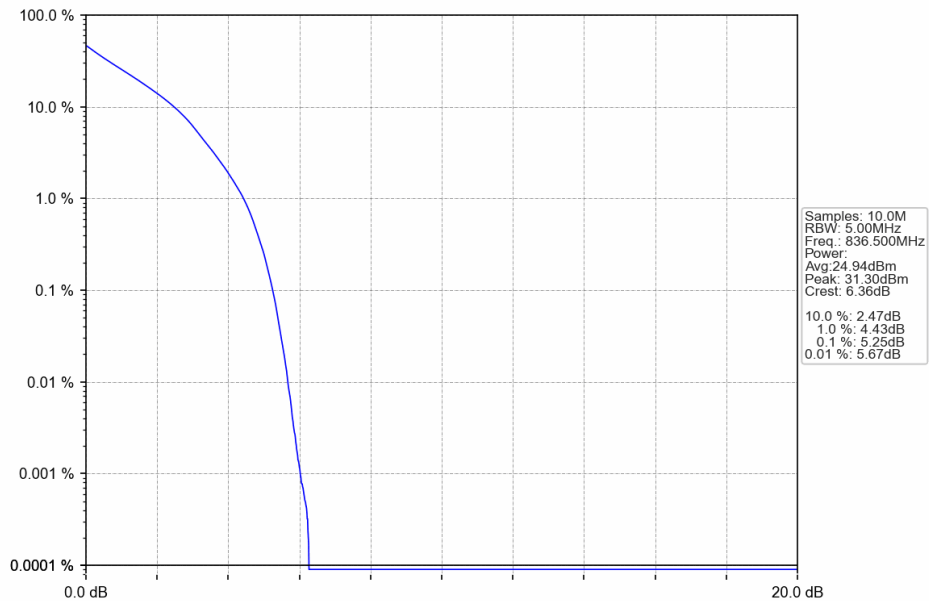




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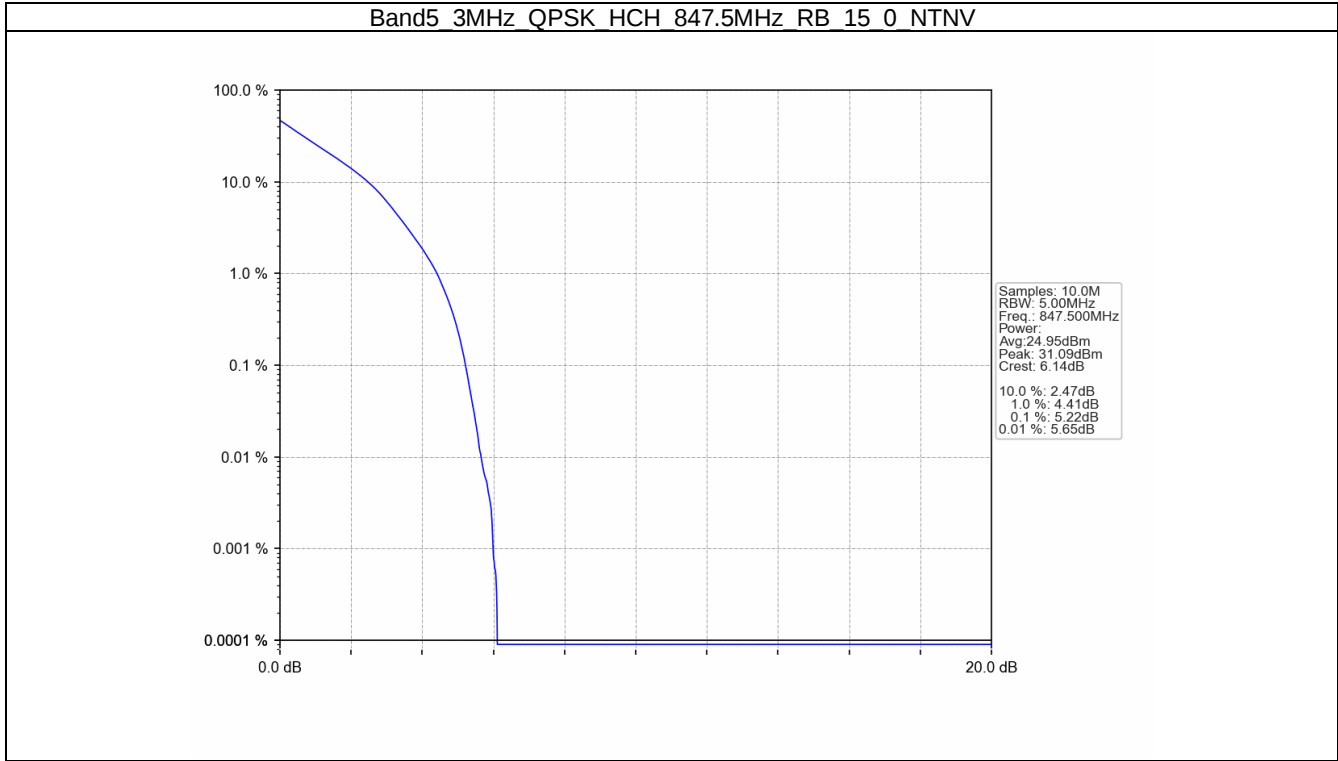
Band5 3MHz QPSK MCH 836.5MHz RB 15 0 NTNV





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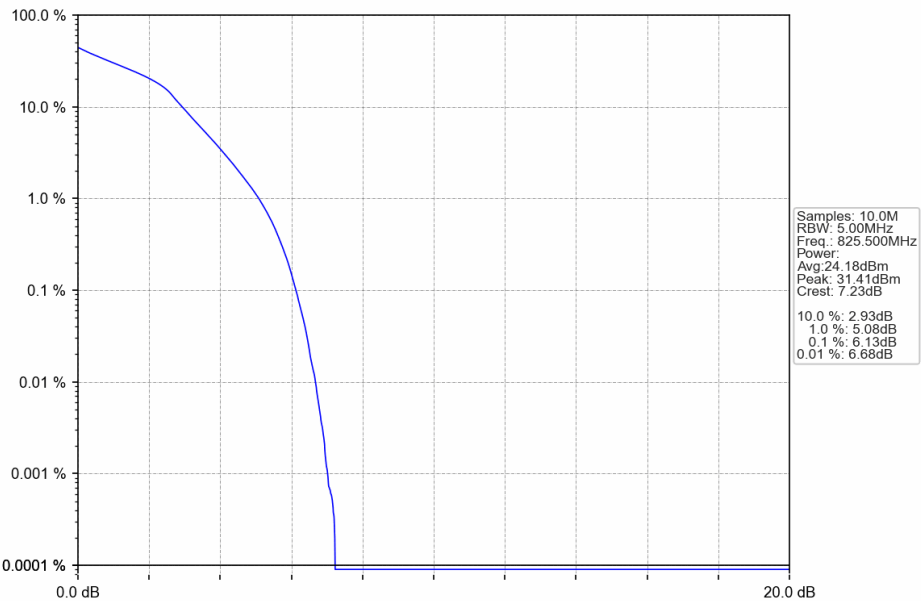


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Band5 3MHz 16QAM LCH 825.5MHz RB 15 0 NTNV

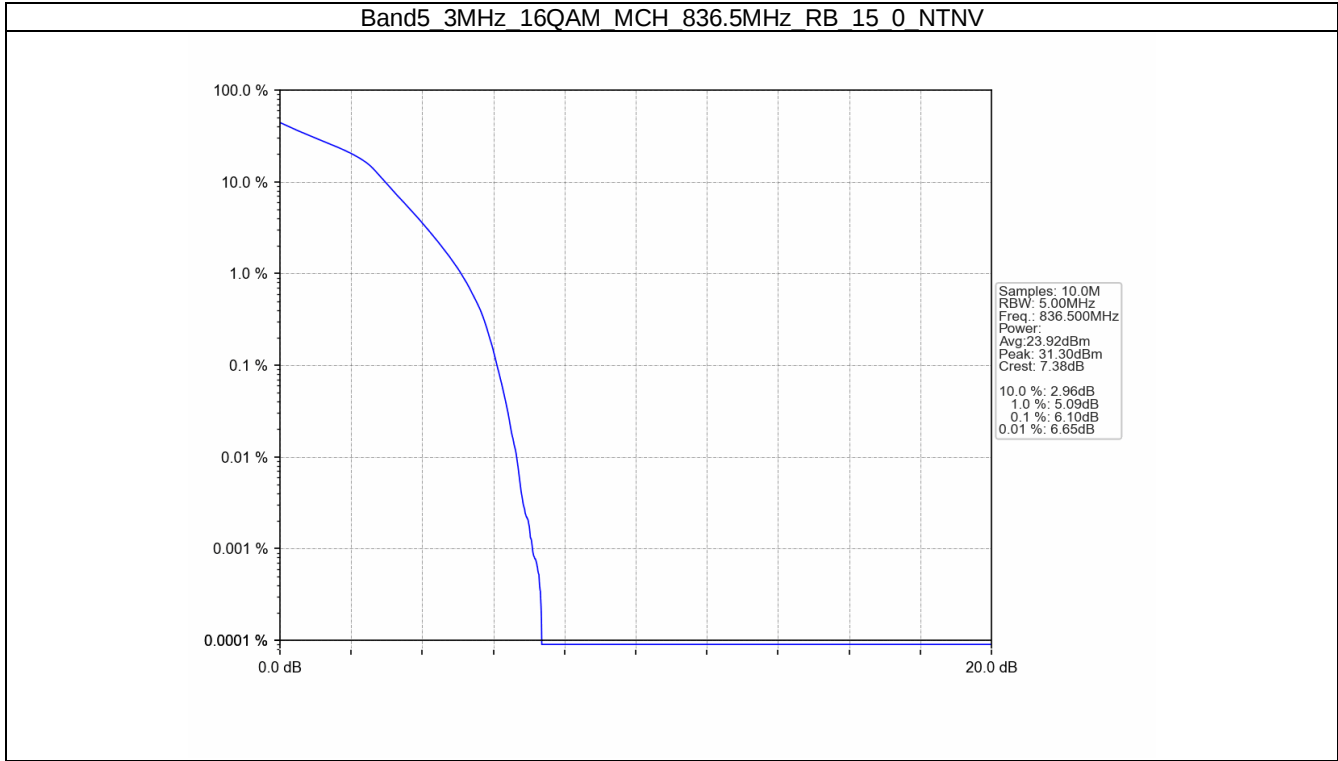




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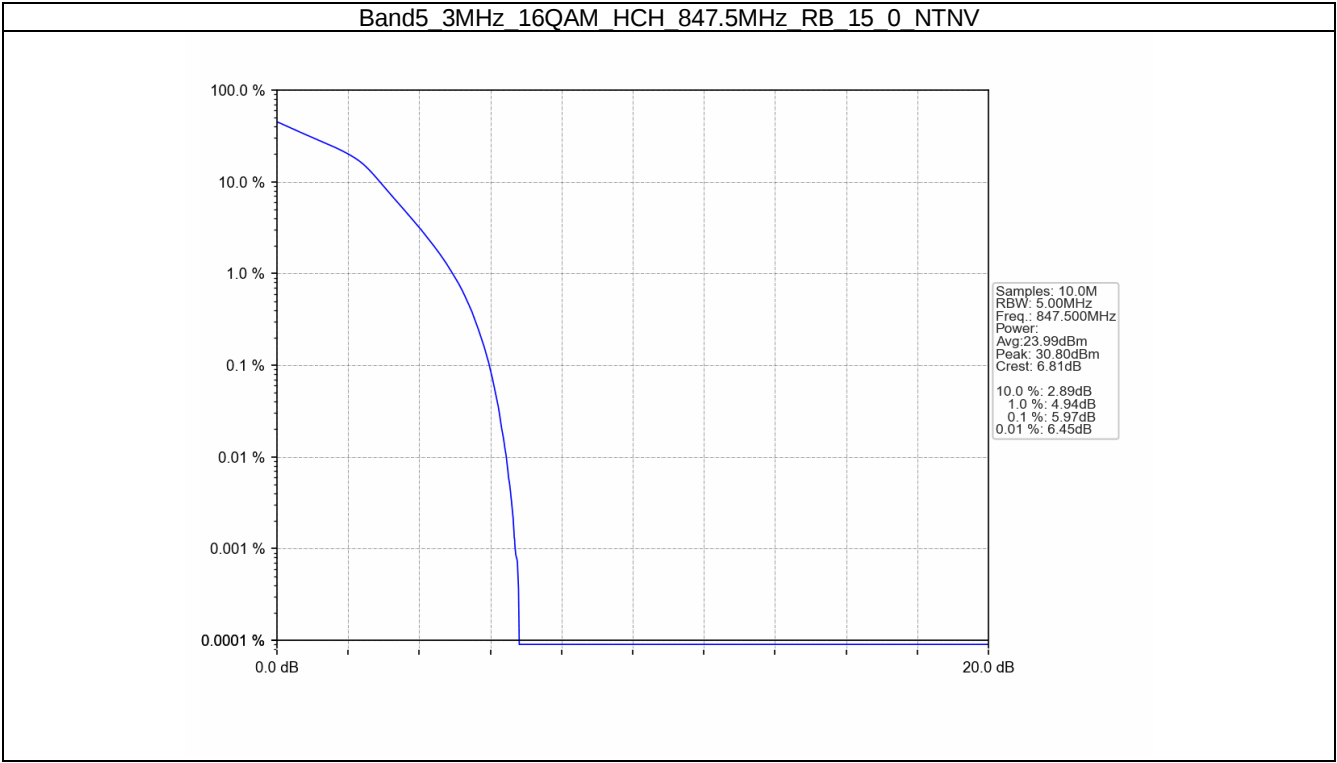




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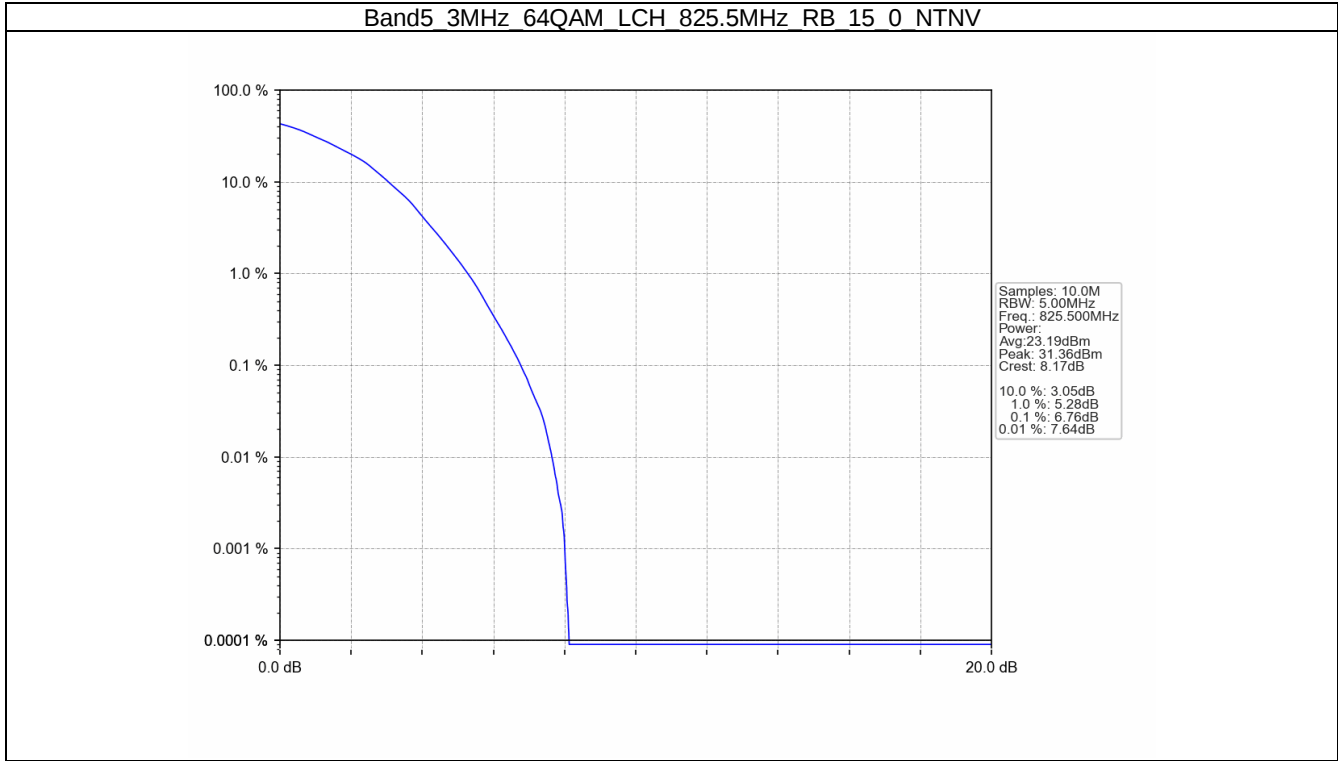




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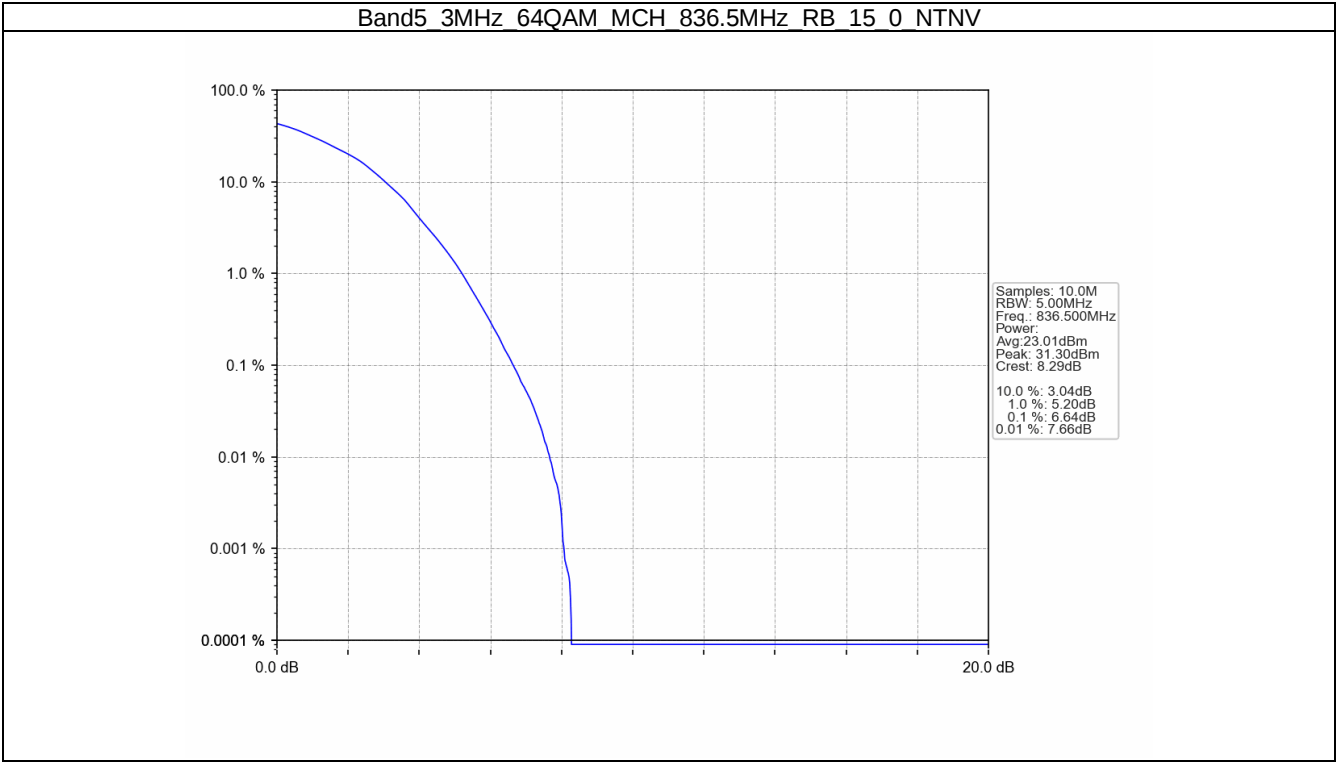
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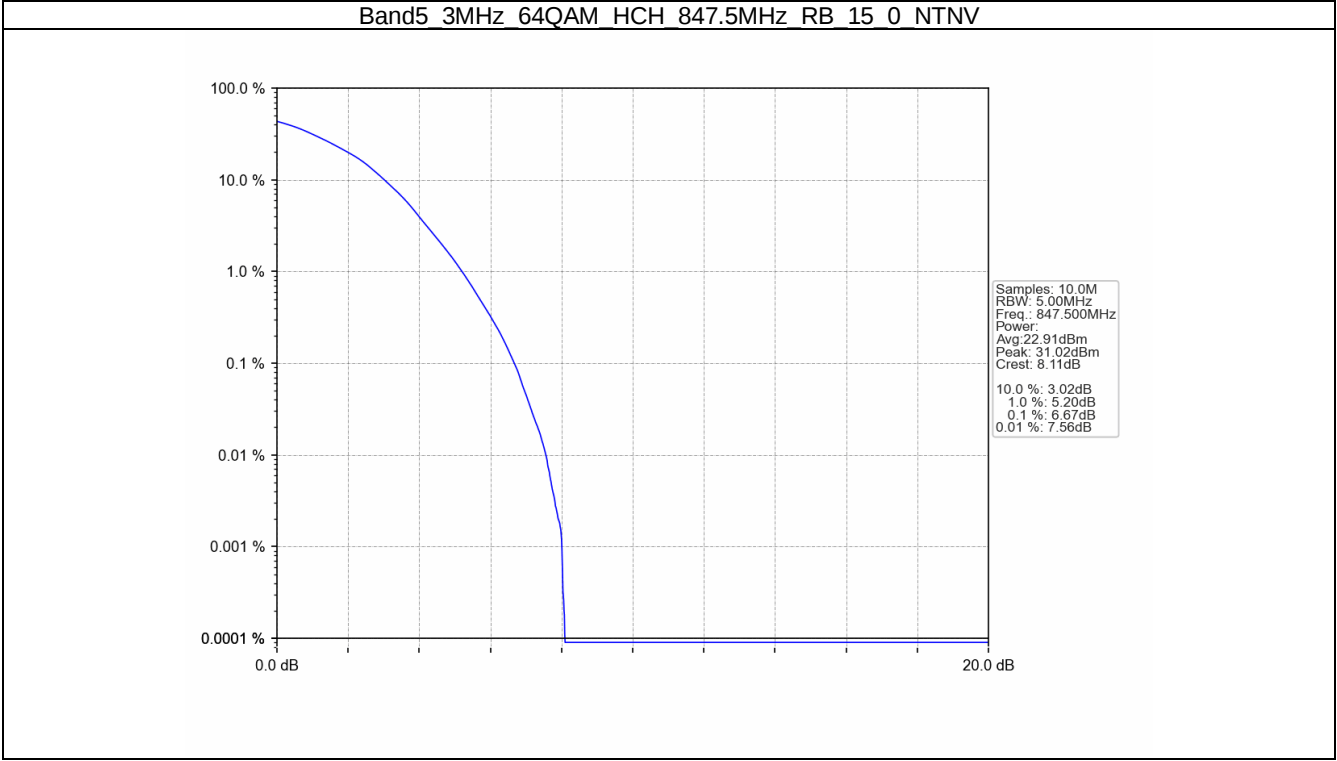




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3.3 B5\_5MHz

3.3.1 Test Result

| Band: 5 / Bandwidth: 5MHz / NTN |                 |               |        |                         |       |         |
|---------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                      | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                 |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                            | 826.5           | 25            | 0      | 5.37                    | <=13  | Pass    |
|                                 | 836.5           | 25            | 0      | 5.32                    | <=13  | Pass    |
|                                 | 846.5           | 25            | 0      | 5.24                    | <=13  | Pass    |
| 16QAM                           | 826.5           | 25            | 0      | 6.11                    | <=13  | Pass    |
|                                 | 836.5           | 25            | 0      | 6.09                    | <=13  | Pass    |
|                                 | 846.5           | 25            | 0      | 5.99                    | <=13  | Pass    |
| 64QAM                           | 826.5           | 25            | 0      | 6.65                    | <=13  | Pass    |
|                                 | 836.5           | 25            | 0      | 6.62                    | <=13  | Pass    |
|                                 | 846.5           | 25            | 0      | 6.54                    | <=13  | Pass    |

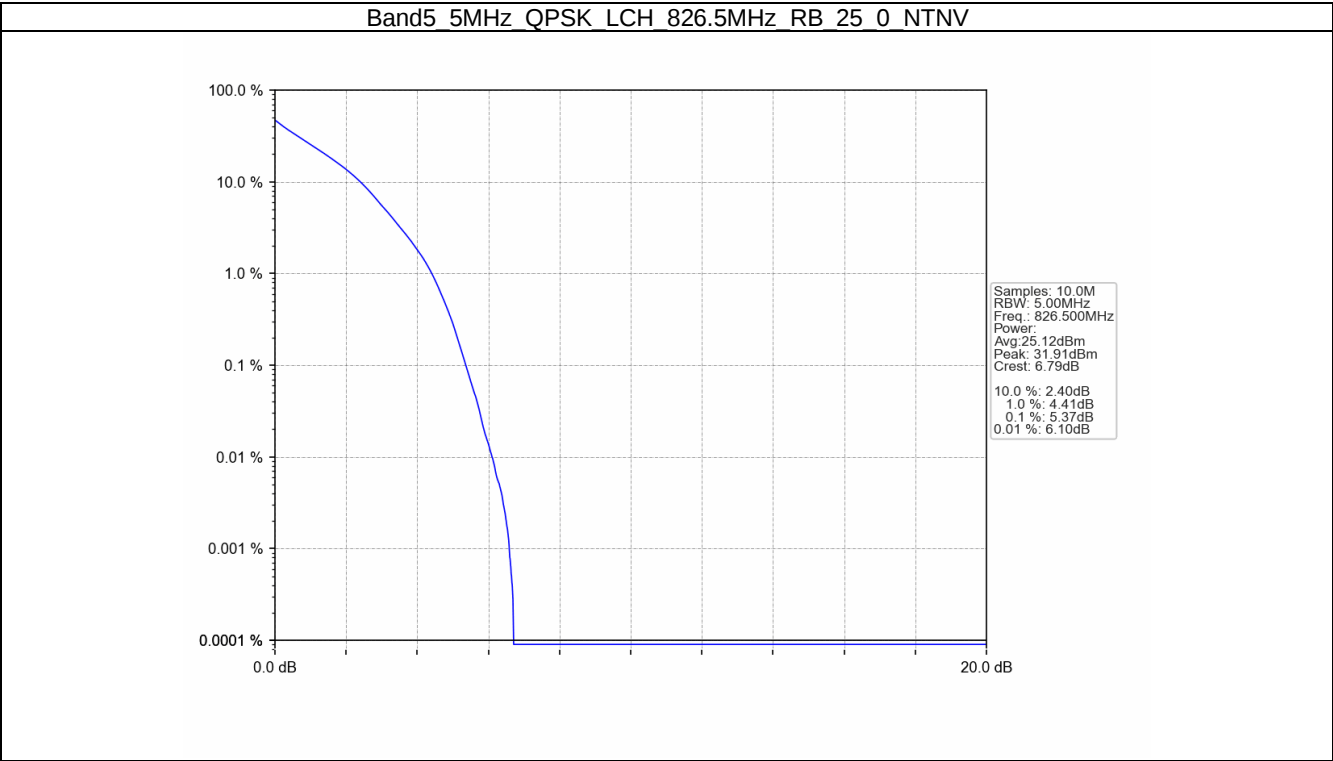


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3.3.2 Test Graph



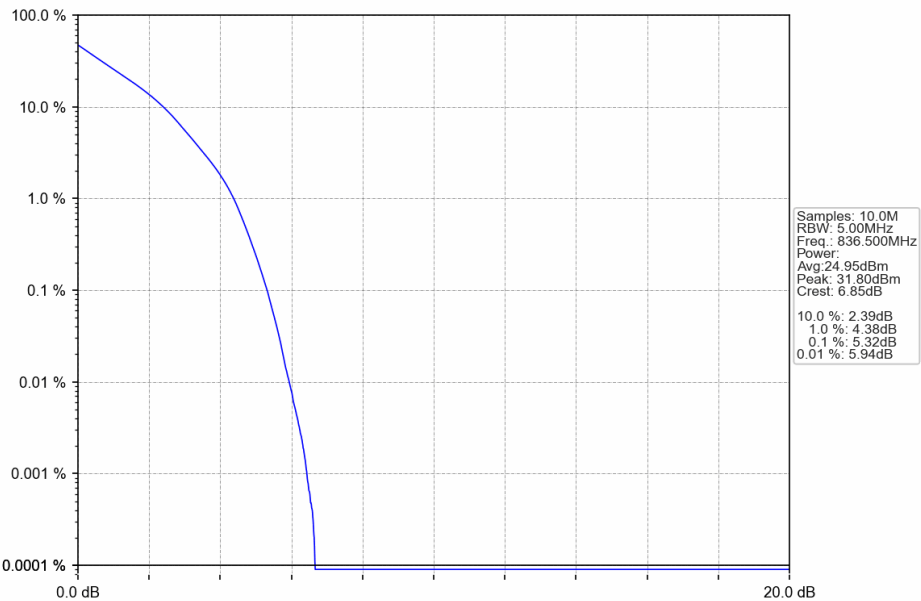


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Band5 5MHz QPSK MCH 836.5MHz RB 25 0 NTN

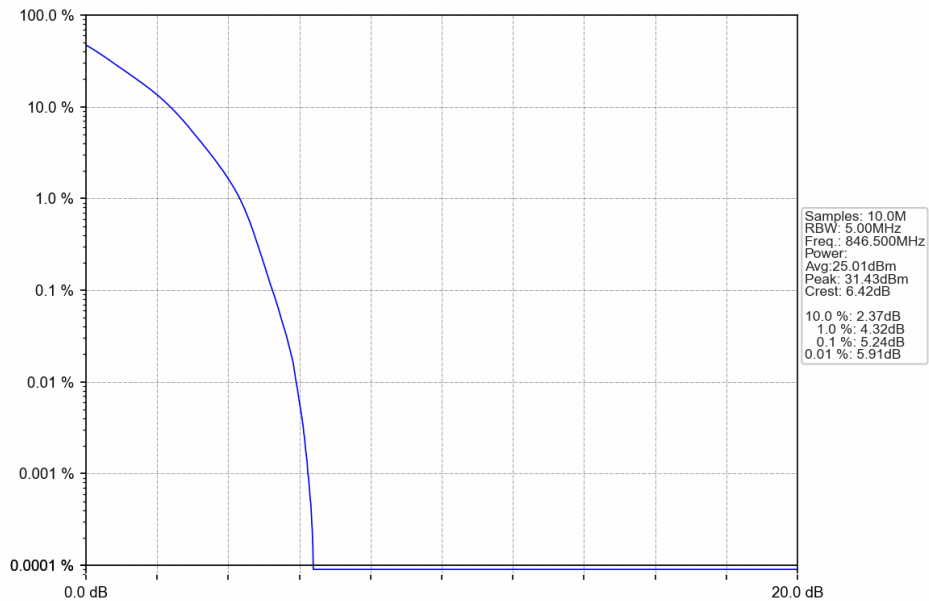




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Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTN



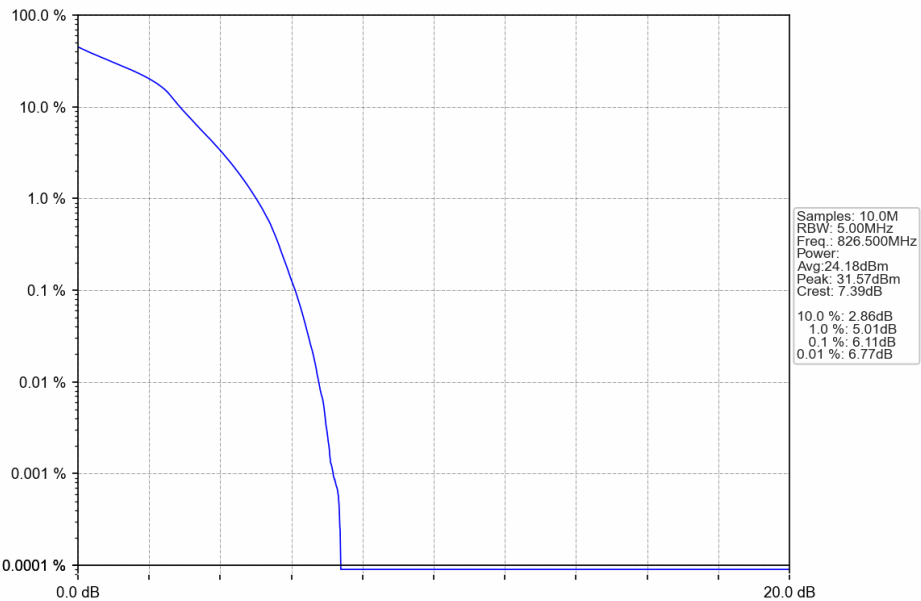


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Band5 5MHz 16QAM LCH 826.5MHz RB 25 0 NTNV

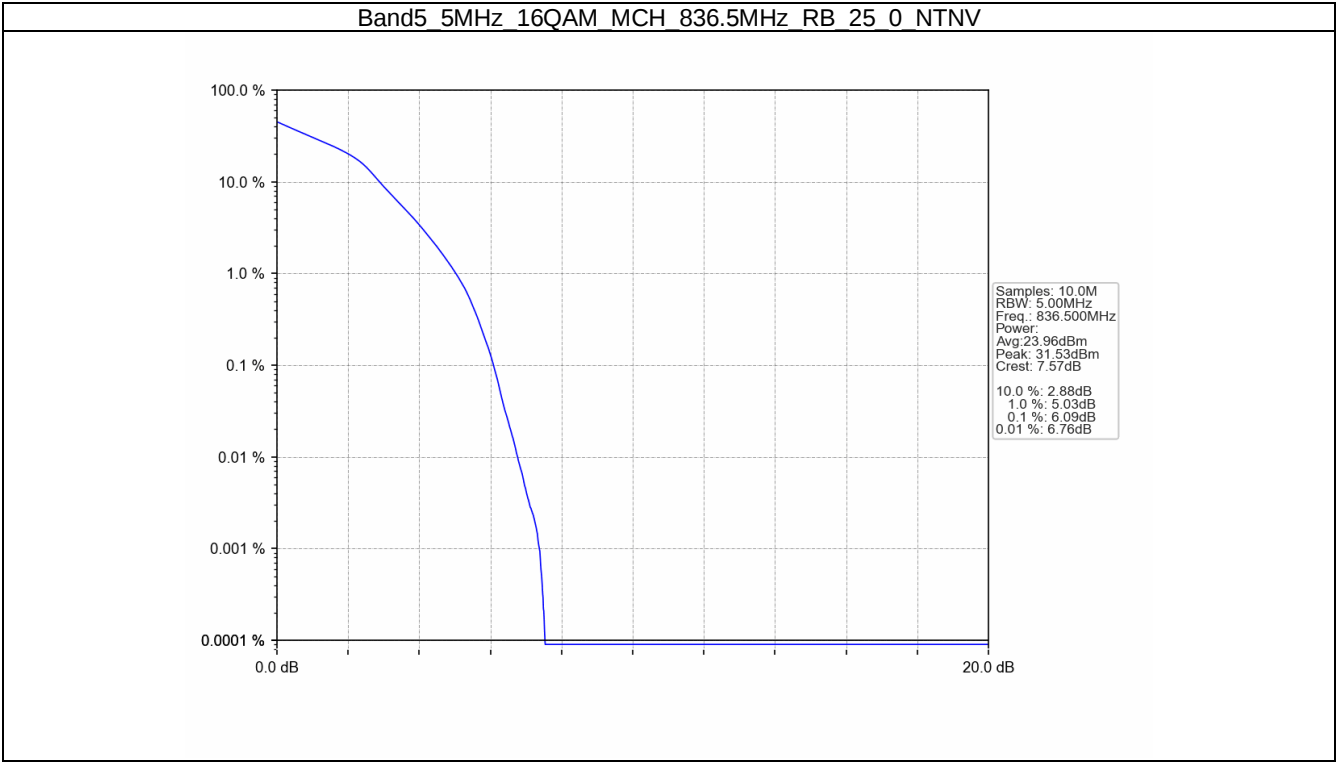




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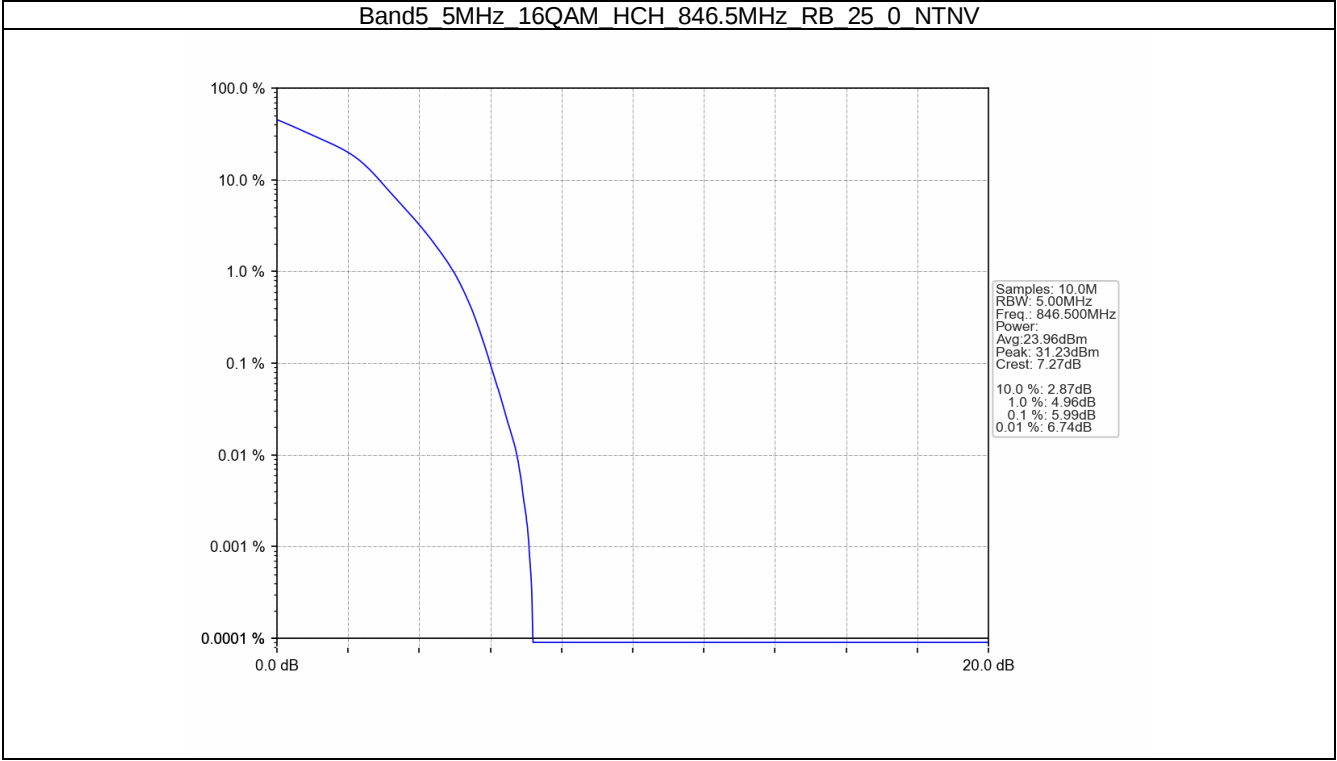




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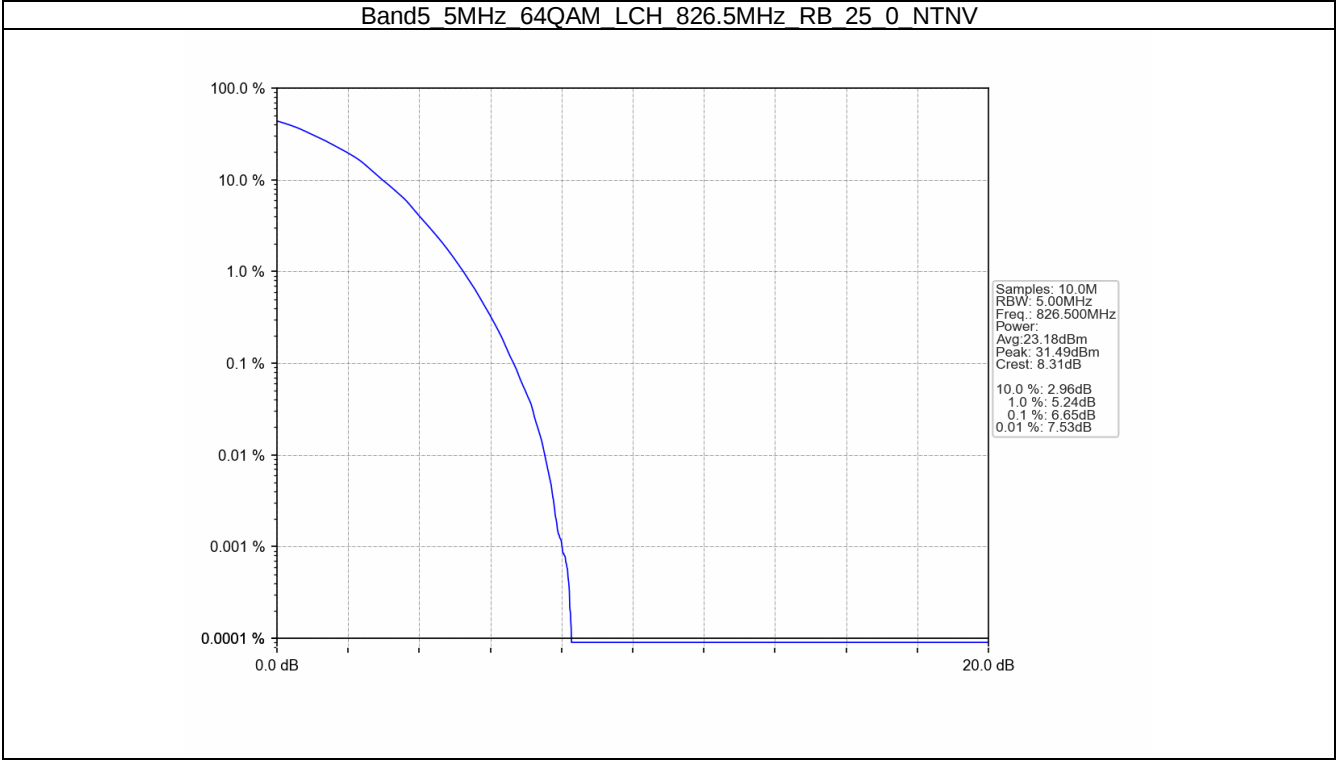




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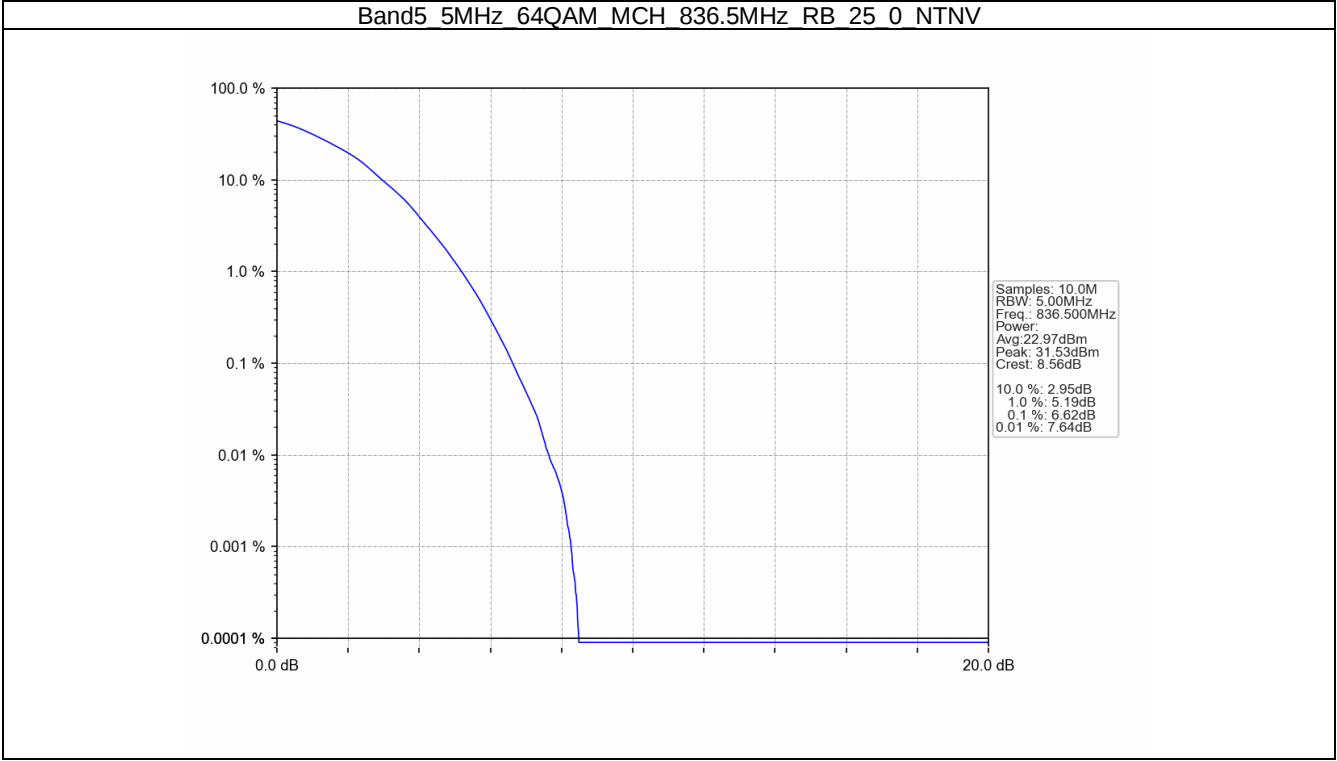
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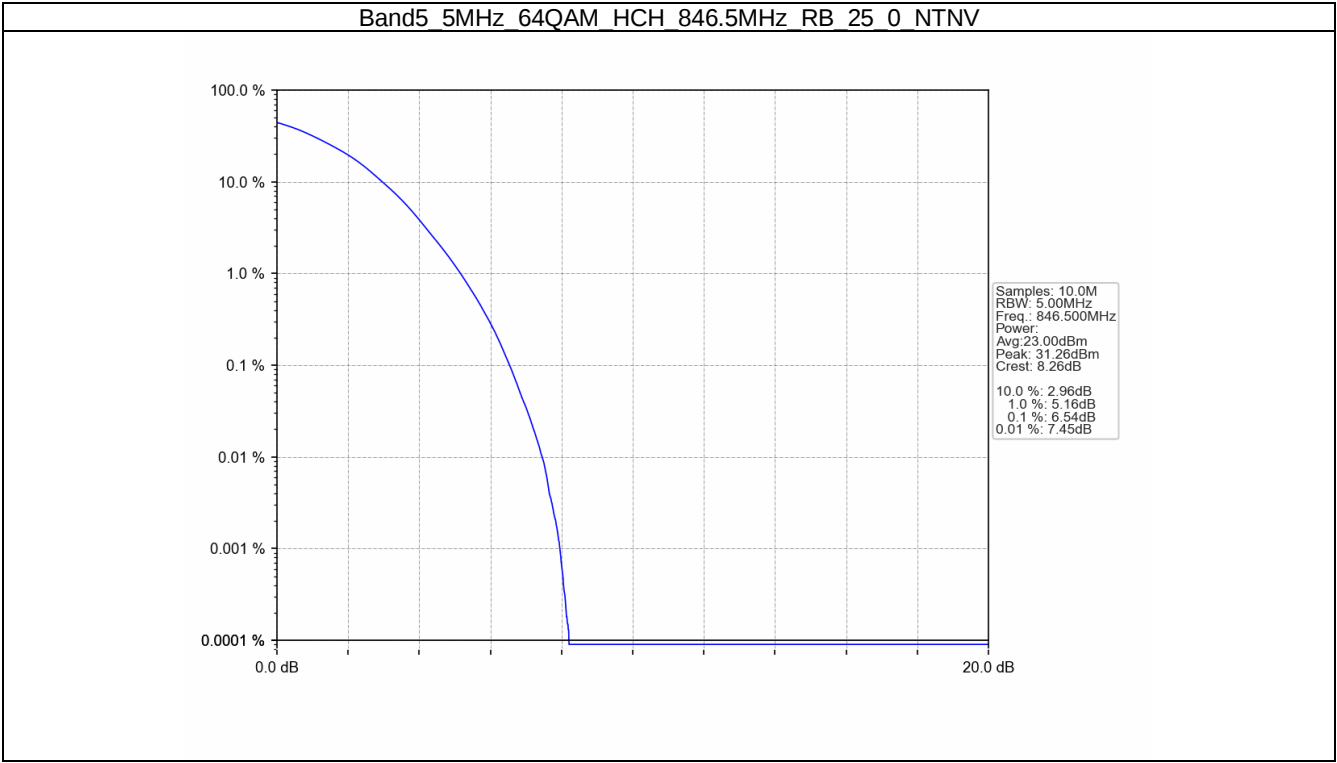




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3.4 B5\_10MHz

3.4.1 Test Result

| Band: 5 / Bandwidth: 10MHz / NTNV |                 |               |        |                         |       |         |
|-----------------------------------|-----------------|---------------|--------|-------------------------|-------|---------|
| Modulation                        | Frequency (MHz) | RB Allocation |        | Peak-Average Ratio (dB) |       | Verdict |
|                                   |                 | Size          | Offset | Result                  | Limit |         |
| QPSK                              | 829             | 50            | 0      | 5.27                    | <=13  | Pass    |
|                                   | 836.5           | 50            | 0      | 5.27                    | <=13  | Pass    |
|                                   | 844             | 50            | 0      | 5.14                    | <=13  | Pass    |
| 16QAM                             | 829             | 50            | 0      | 6.06                    | <=13  | Pass    |
|                                   | 836.5           | 50            | 0      | 6.04                    | <=13  | Pass    |
|                                   | 844             | 50            | 0      | 5.96                    | <=13  | Pass    |
| 64QAM                             | 829             | 50            | 0      | 6.62                    | <=13  | Pass    |
|                                   | 836.5           | 50            | 0      | 6.63                    | <=13  | Pass    |
|                                   | 844             | 50            | 0      | 6.61                    | <=13  | Pass    |

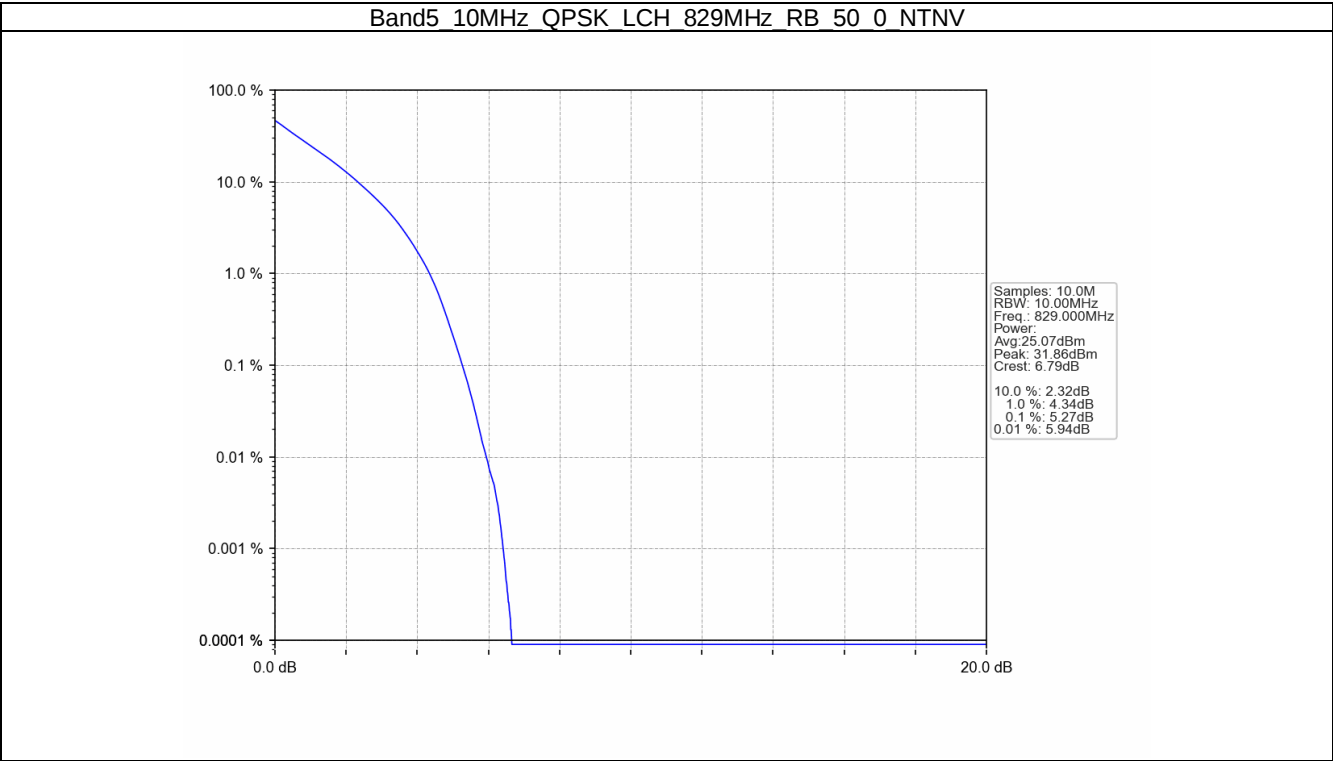


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3.4.2 Test Graph

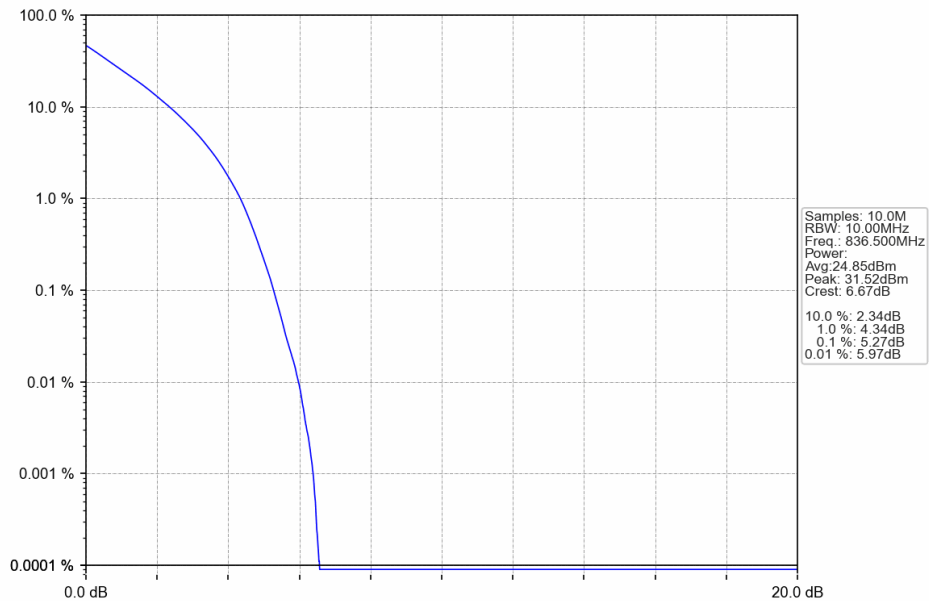




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Band5 10MHz QPSK MCH 836.5MHz RB 50 0 NTNV

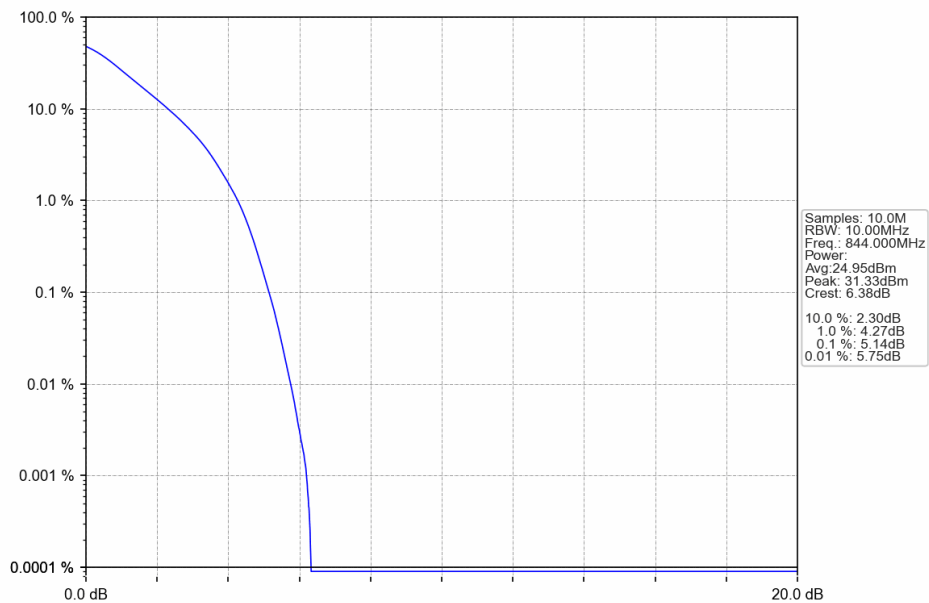




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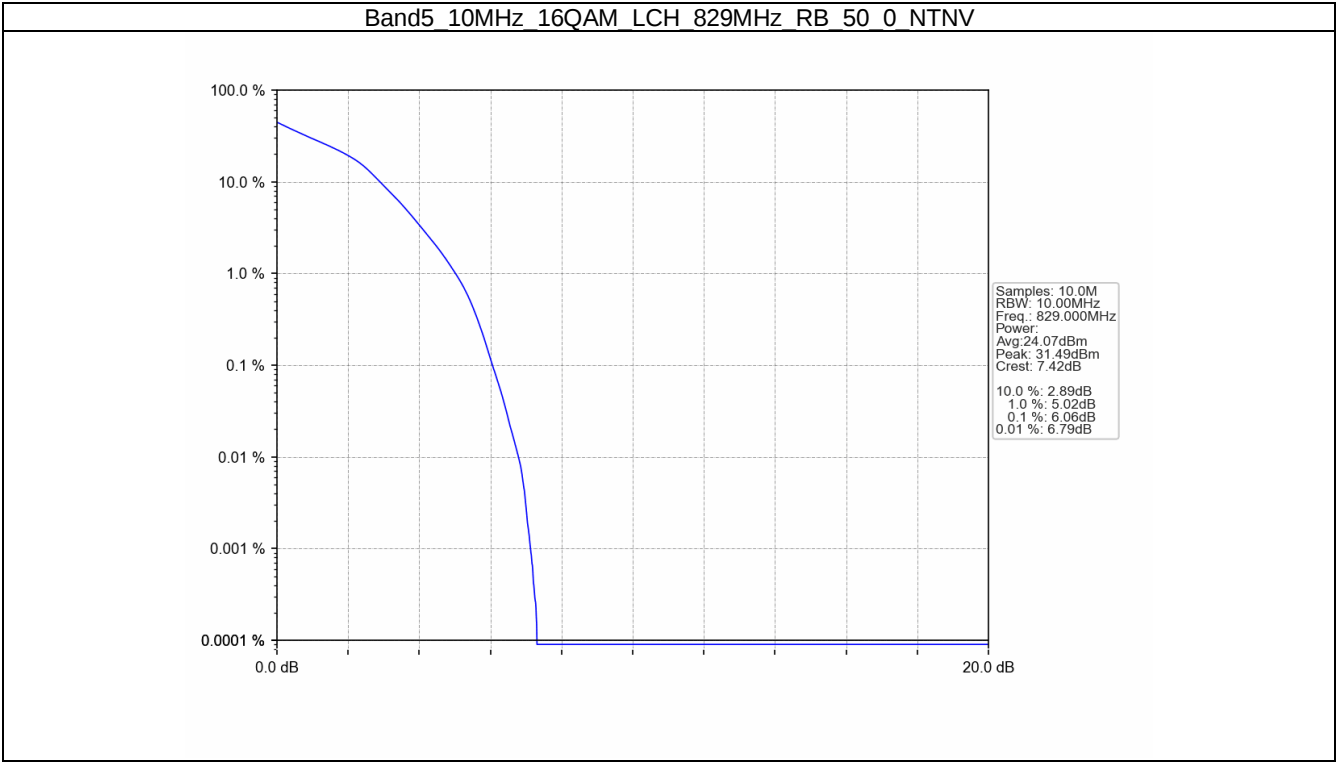
Band5 10MHz QPSK HCH 844MHz RB 50 0 NTNV





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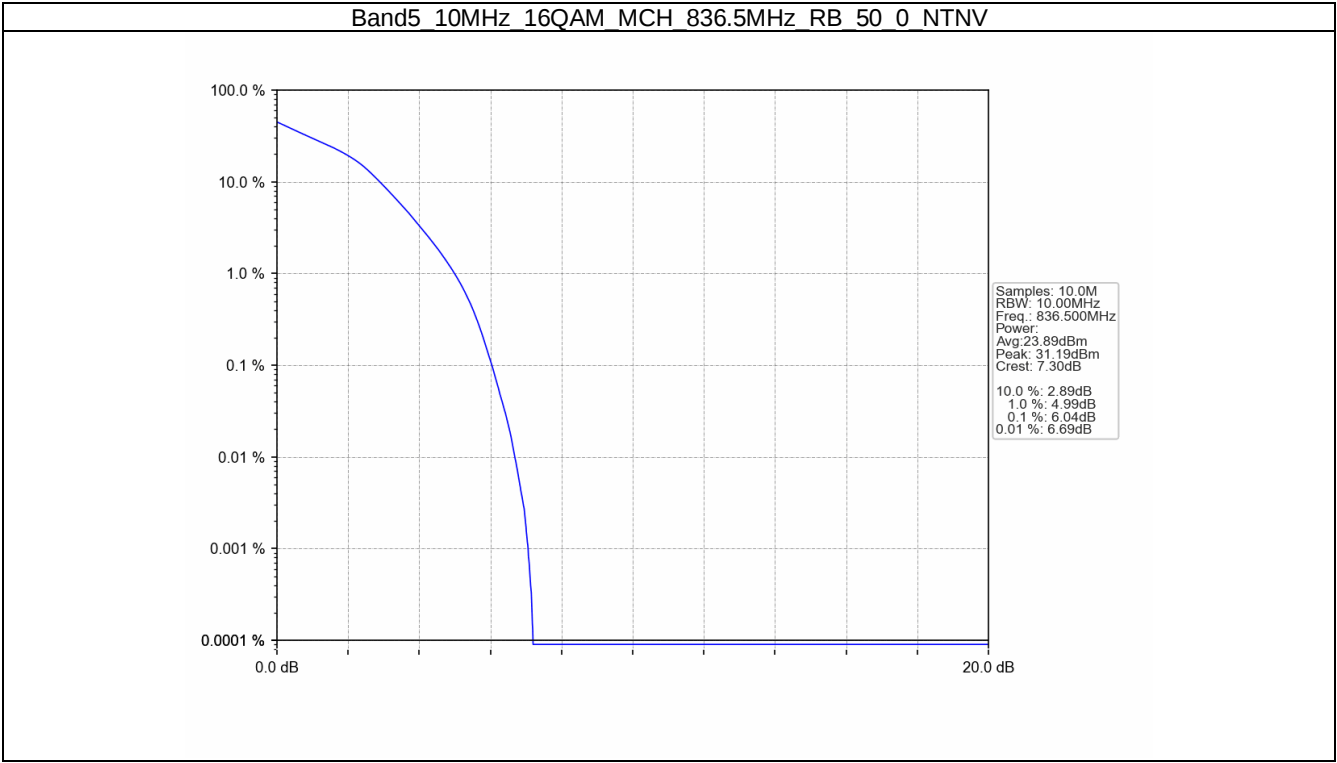
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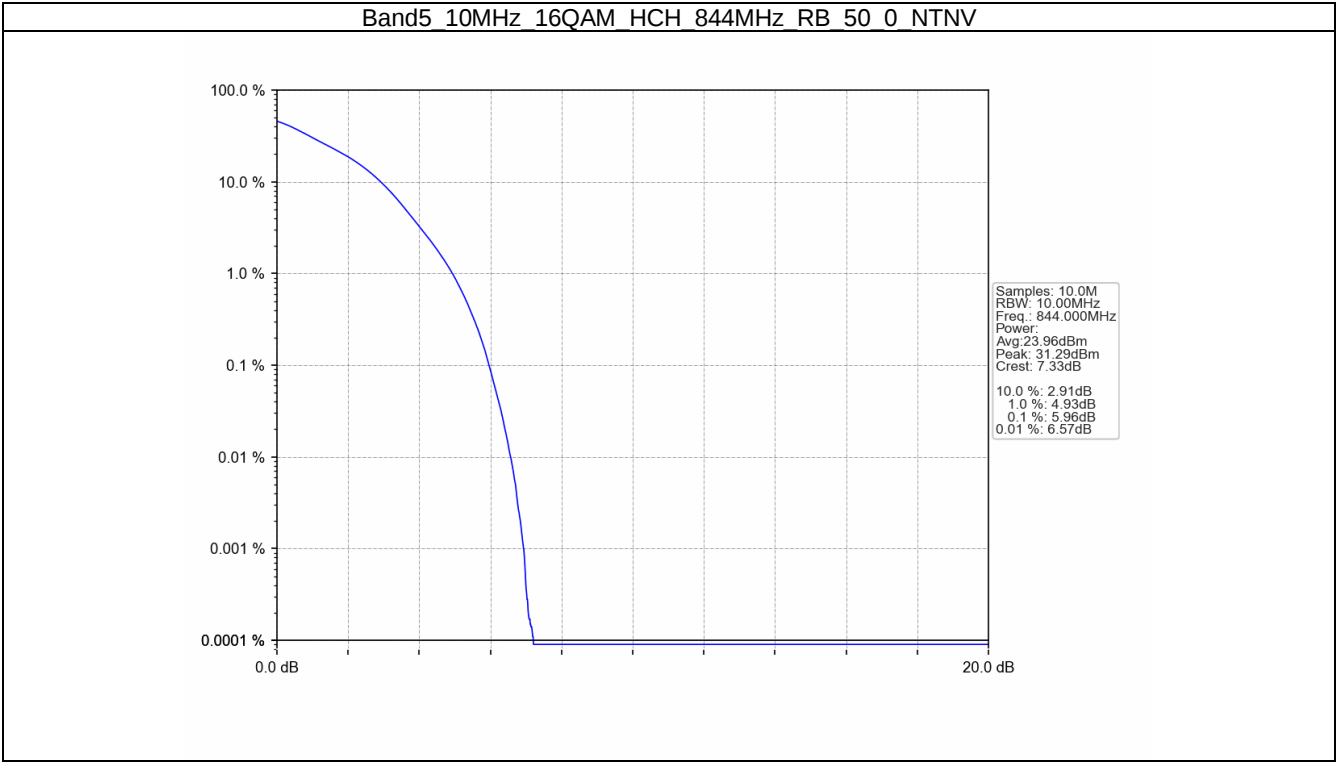
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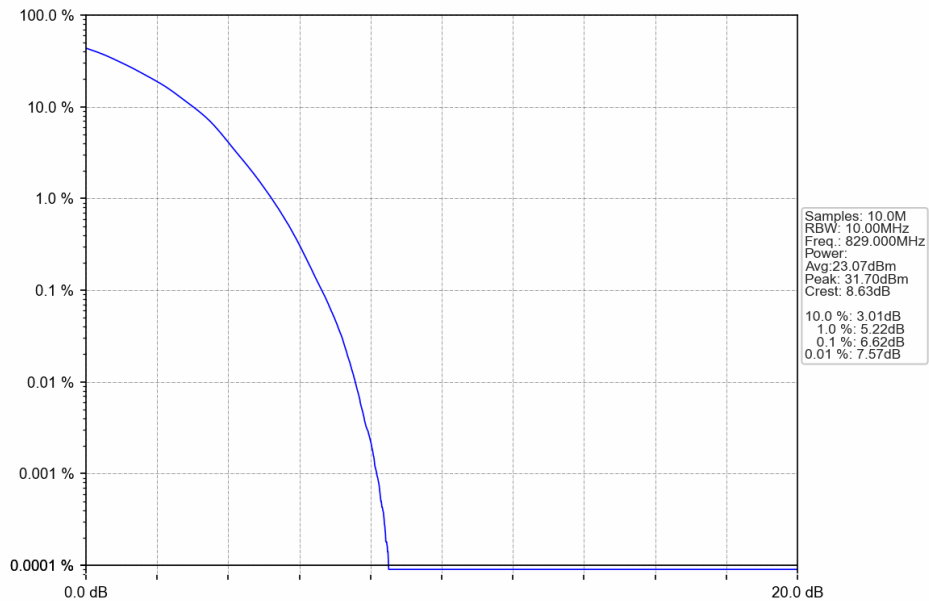


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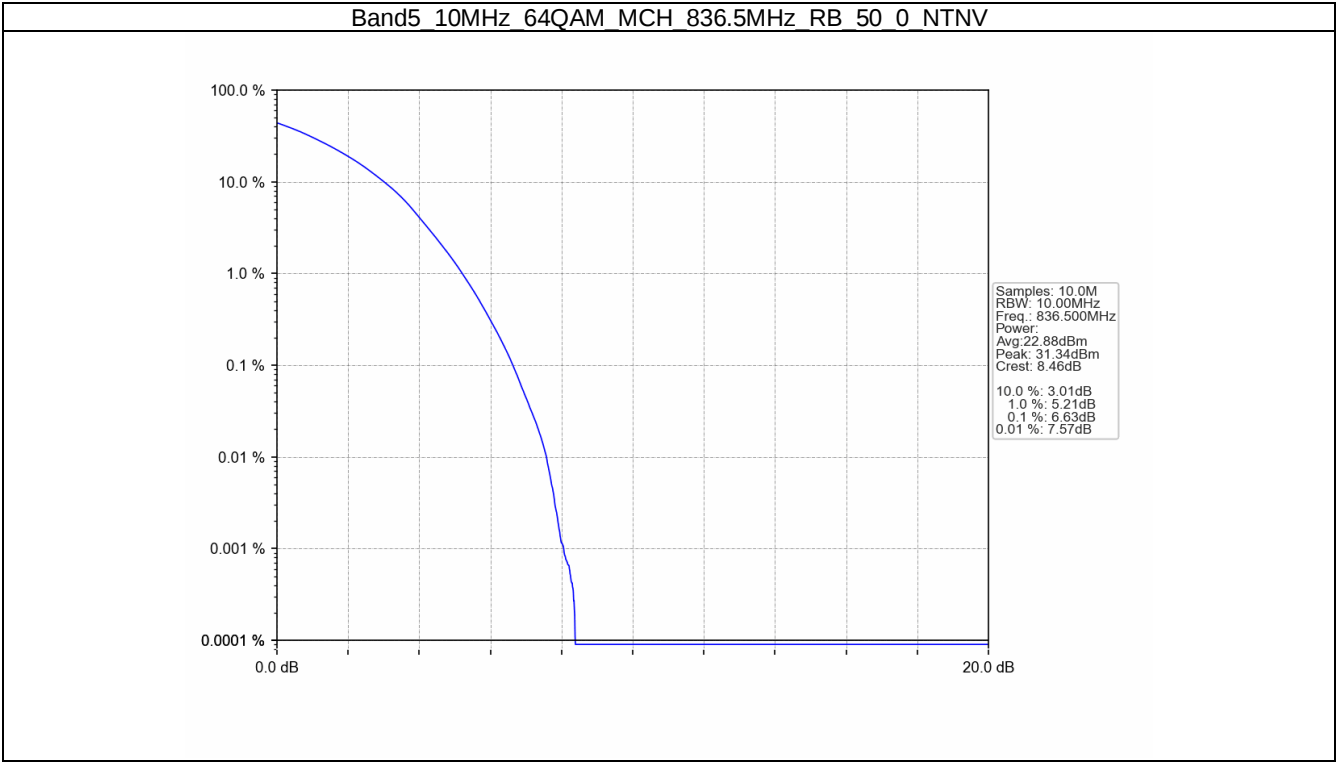
Band5 10MHz 64QAM LCH 829MHz RB 50 0 NTN





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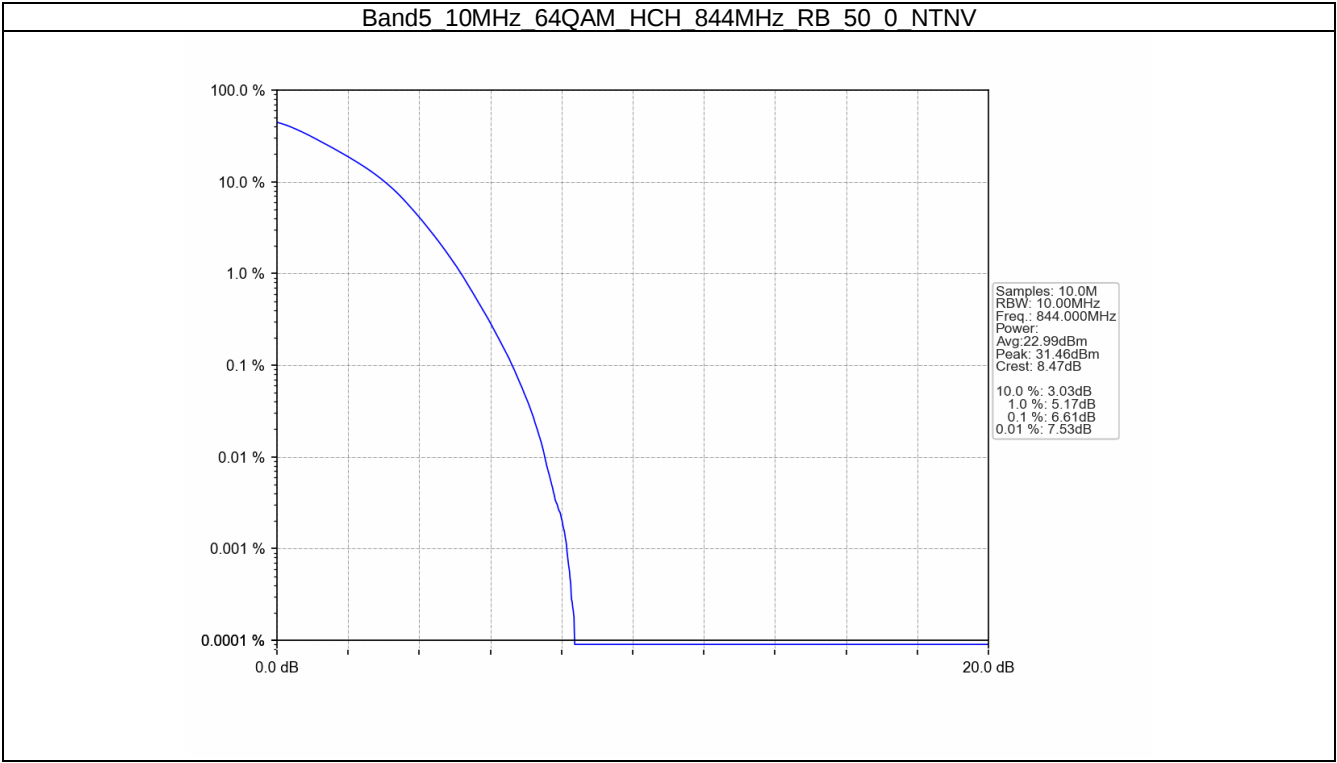
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### 4. Spurious Emission & Band Edges

#### 4.1 B5\_1.4MHz

##### 4.1.1 Test Result

| Band: 5 / Bandwidth: 1.4MHz / NTNV |                 |               |        |                     |       |
|------------------------------------|-----------------|---------------|--------|---------------------|-------|
| Modulation                         | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       |
|                                    |                 | Size          | Offset | Result              | Limit |
| QPSK                               | 824.7           | 1             | 0      | Refer To Test Graph | Pass  |
|                                    |                 | 6             | 0      | Refer To Test Graph | Pass  |
|                                    | 836.5           | 1             | 0      | Refer To Test Graph | Pass  |
|                                    | 848.3           | 1             | 0      | Refer To Test Graph | Pass  |
|                                    |                 |               | 5      | Refer To Test Graph | Pass  |
|                                    |                 | 6             | 0      | Refer To Test Graph | Pass  |
| 16QAM                              | 824.7           | 1             | 0      | Refer To Test Graph | Pass  |
|                                    |                 | 6             | 0      | Refer To Test Graph | Pass  |
|                                    | 836.5           | 1             | 0      | Refer To Test Graph | Pass  |
|                                    | 848.3           | 1             | 0      | Refer To Test Graph | Pass  |
|                                    |                 |               | 5      | Refer To Test Graph | Pass  |
|                                    |                 | 6             | 0      | Refer To Test Graph | Pass  |
| 64QAM                              | 824.7           | 1             | 0      | Refer To Test Graph | Pass  |
|                                    |                 | 6             | 0      | Refer To Test Graph | Pass  |
|                                    | 836.5           | 1             | 0      | Refer To Test Graph | Pass  |
|                                    | 848.3           | 1             | 0      | Refer To Test Graph | Pass  |
|                                    |                 |               | 5      | Refer To Test Graph | Pass  |
|                                    |                 | 6             | 0      | Refer To Test Graph | Pass  |

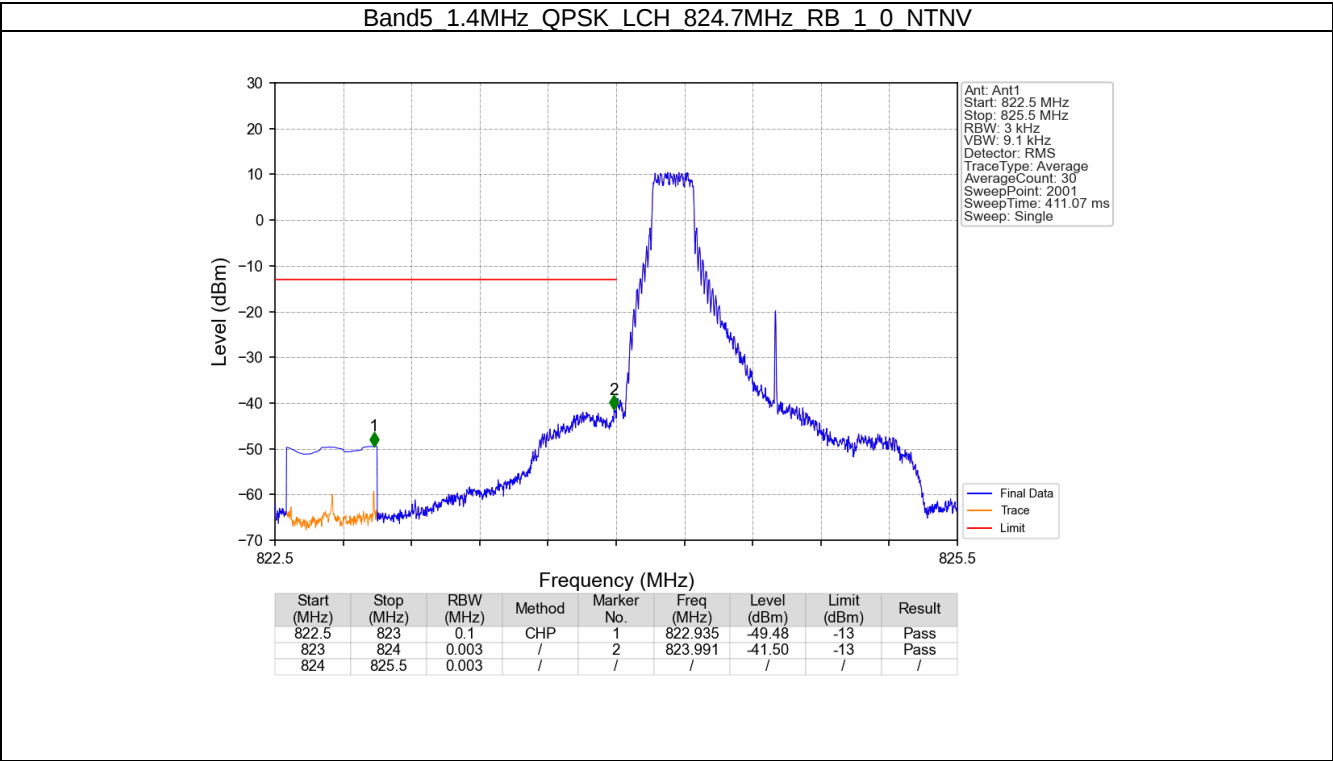


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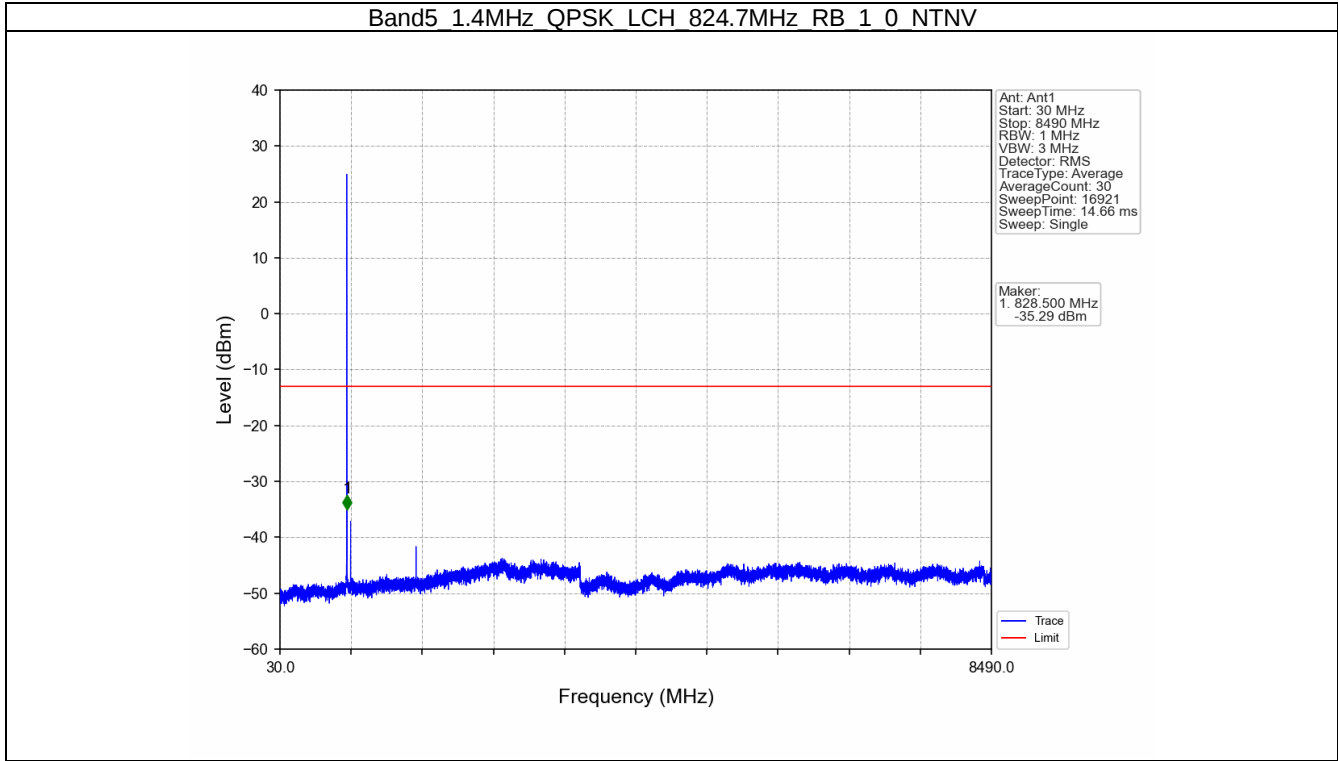
4.1.2 Test Graph





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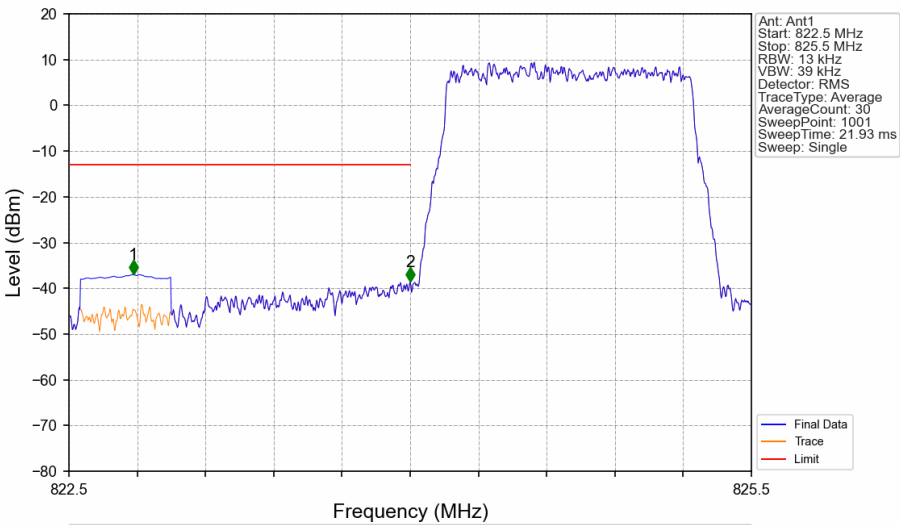


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Band5 1.4MHz QPSK LCH 824.7MHz RB 6 0 NTNV



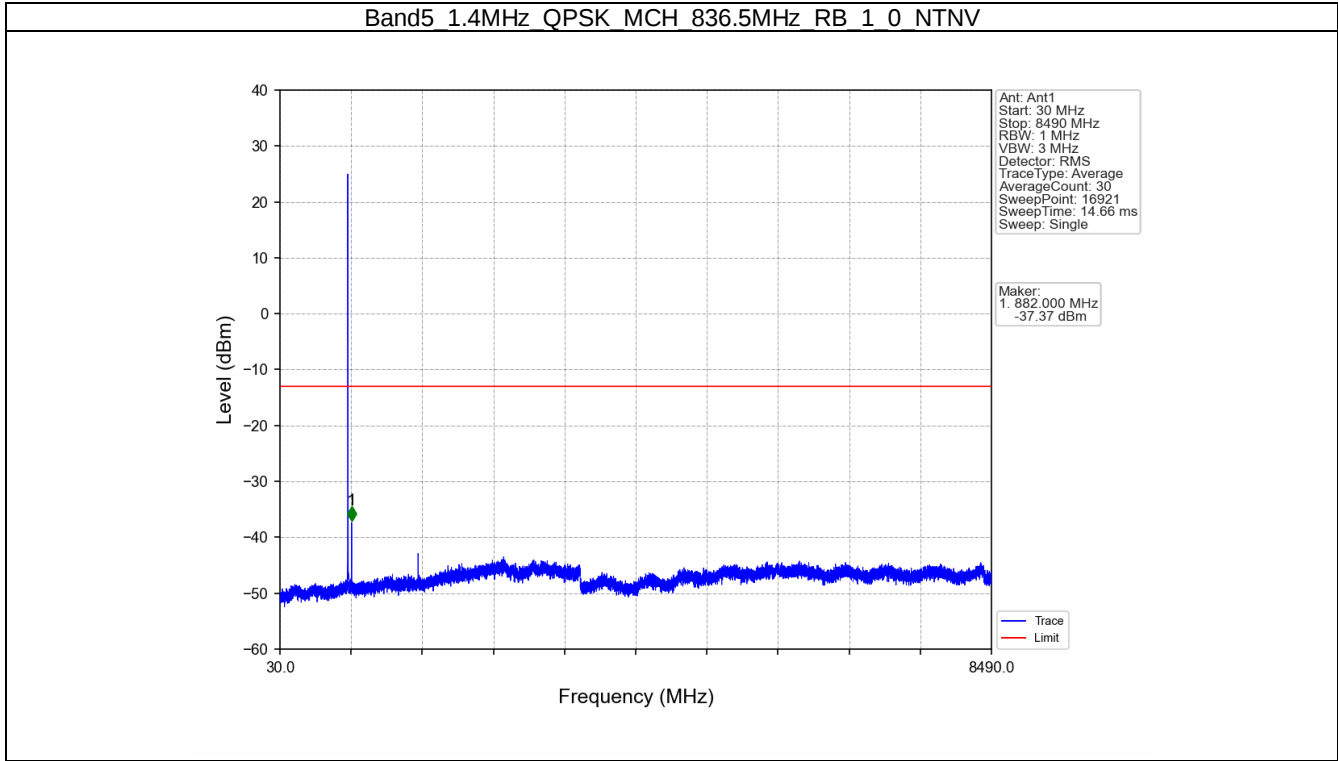
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 822.5       | 823        | 0.1       | CHP    | 1          | 822.782    | -37.03      | -13         | Pass   |
| 823         | 824        | 0.013     | /      | 2          | 824.000    | -38.63      | -13         | Pass   |
| 824         | 825.5      | 0.013     | /      | /          | /          | /           | /           | /      |



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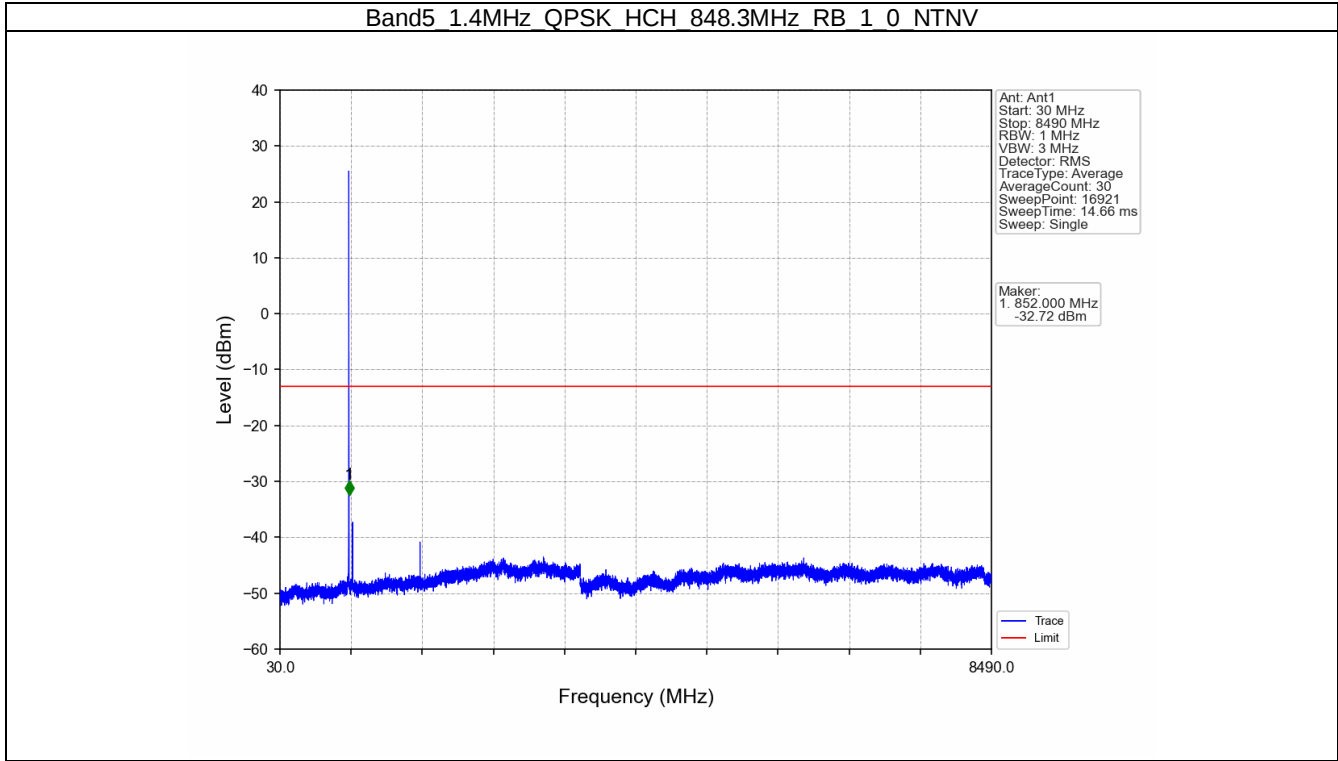
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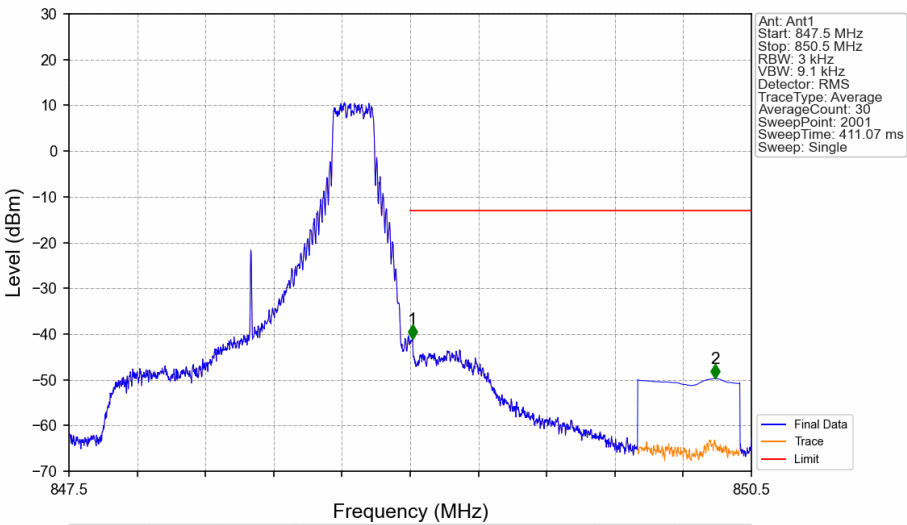


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Band5 1.4MHz QPSK HCH 848.3MHz RB 1 5 NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 847.5       | 849        | 0.003     | /      | /          | /          | /           | /           | /      |
| 849         | 850        | 0.003     | /      | 1          | 849.010    | -41.10      | -13         | Pass   |
| 850         | 850.5      | 0.1       | CHP    | 2          | 850.340    | -49.70      | -13         | Pass   |

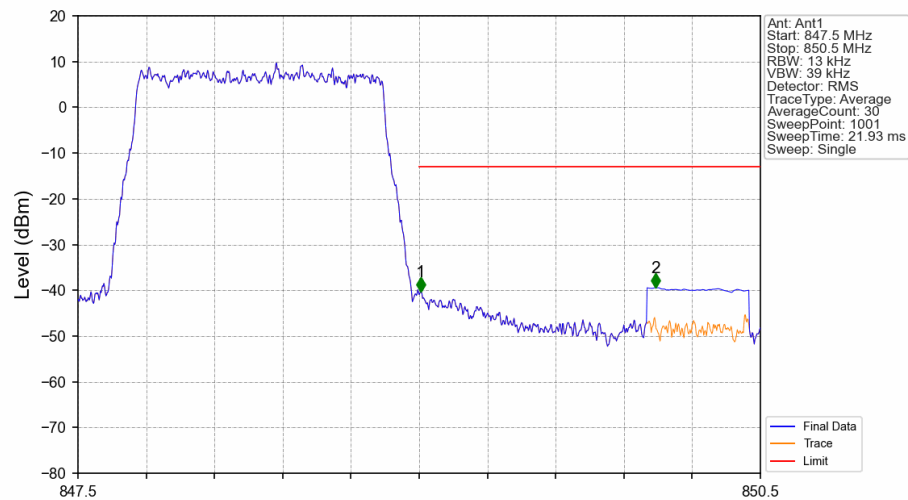


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Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 847.5       | 849        | 0.013     | /      | /          | /          | /           | /           | /      |
| 849         | 850        | 0.013     | /      | 1          | 849.006    | -40.38      | -13         | Pass   |
| 850         | 850.5      | 0.1       | CHP    | 2          | 850.038    | -39.43      | -13         | Pass   |

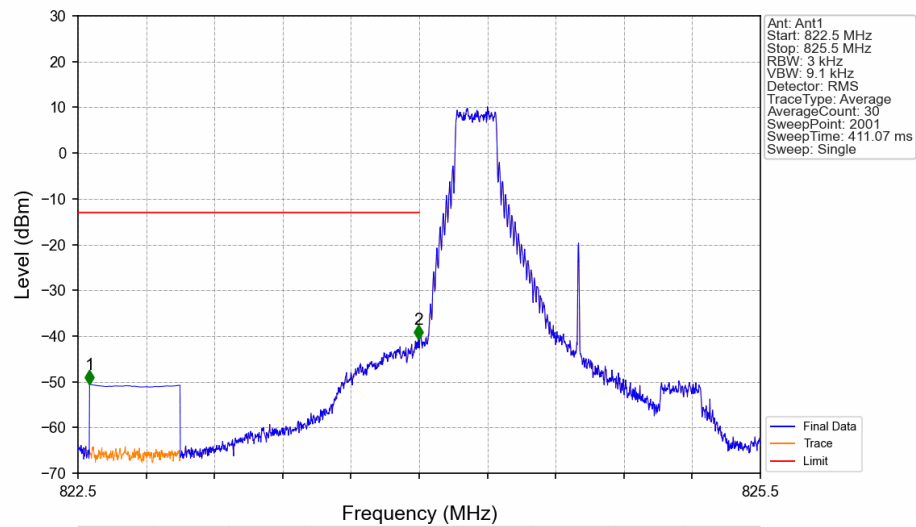


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Band5 1.4MHz 16QAM LCH 824.7MHz RB 1 0 NTNV

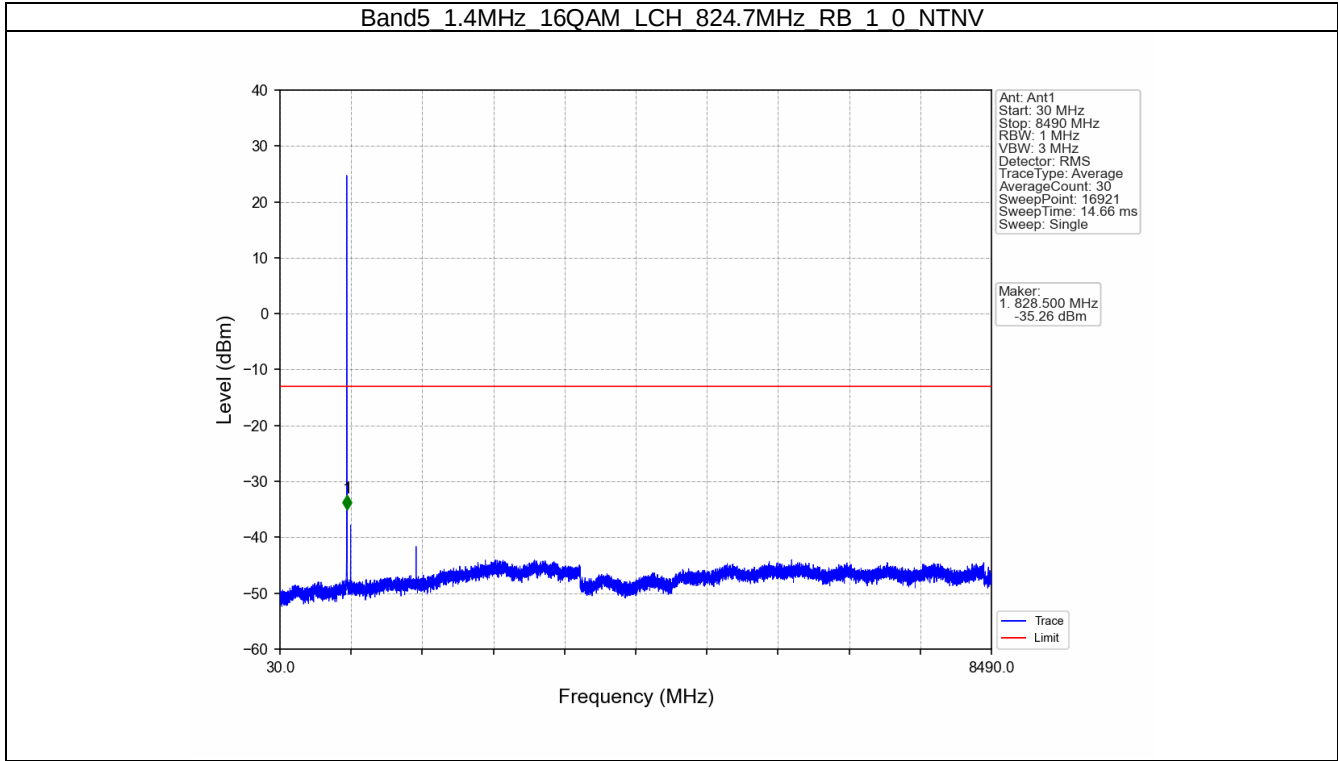


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 822.5       | 823        | 0.1       | CHP    | 1          | 822.551    | -50.57      | -13         | Pass   |
| 823         | 824        | 0.003     | /      | 2          | 823.997    | -40.77      | -13         | Pass   |
| 824         | 825.5      | 0.003     | /      | /          | /          | /           | /           | /      |



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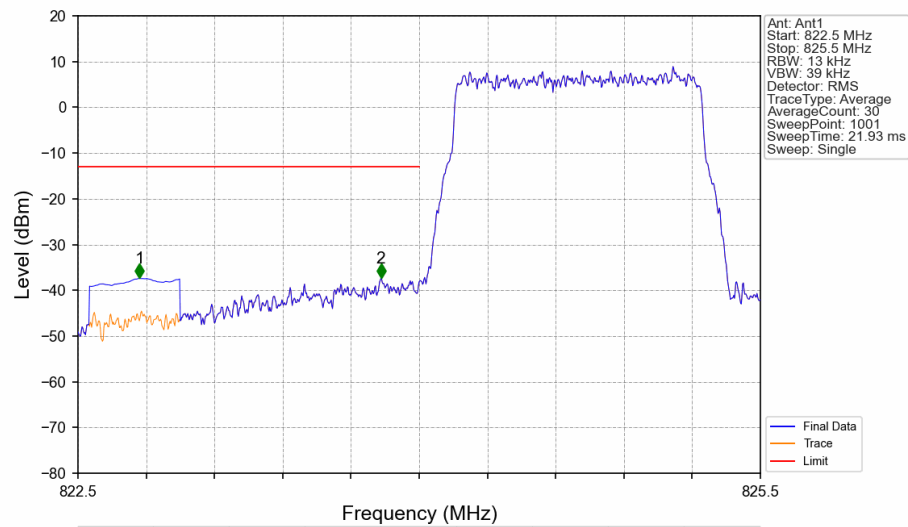


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Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTNV

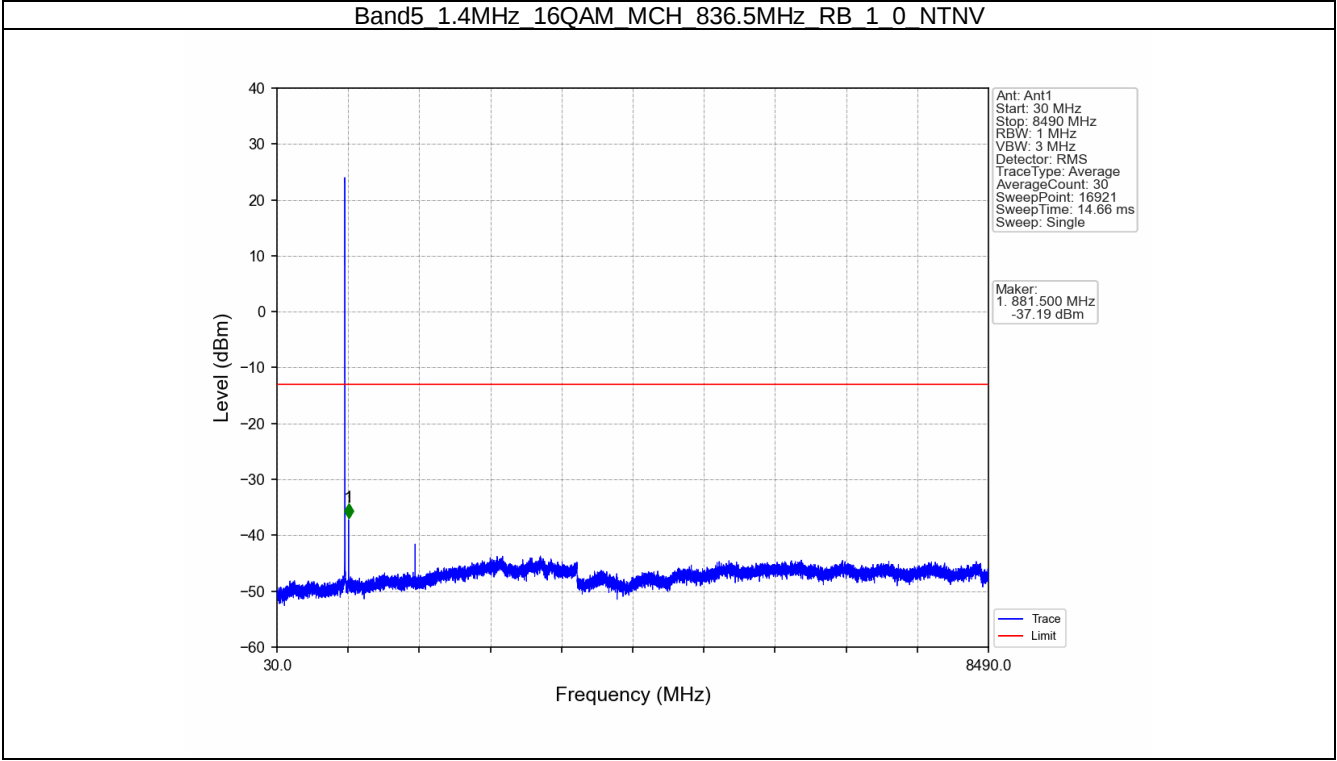


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 822.5       | 823        | 0.1       | CHP    | 1          | 822.770    | -37.40      | -13         | Pass   |
| 823         | 824        | 0.013     | /      | 2          | 823.832    | -37.38      | -13         | Pass   |
| 824         | 825.5      | 0.013     | /      | /          | /          | /           | /           | /      |



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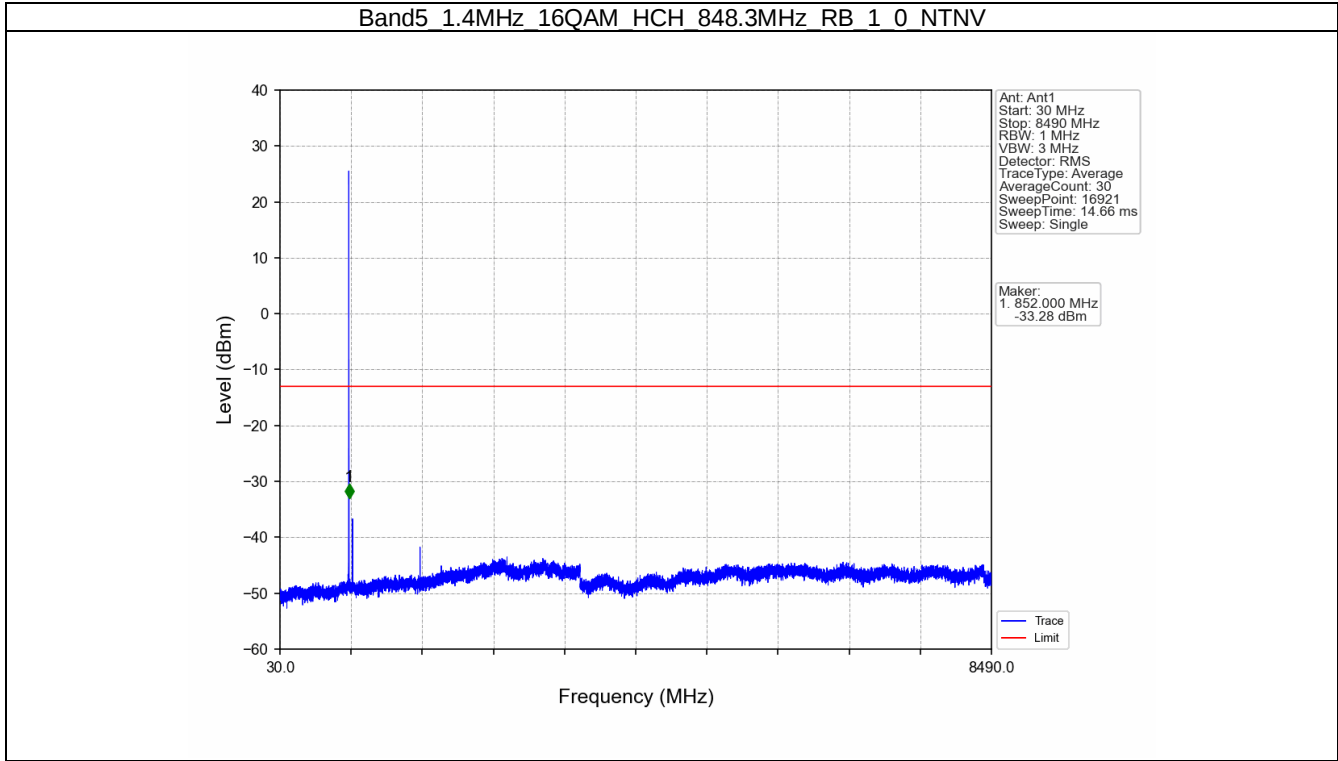
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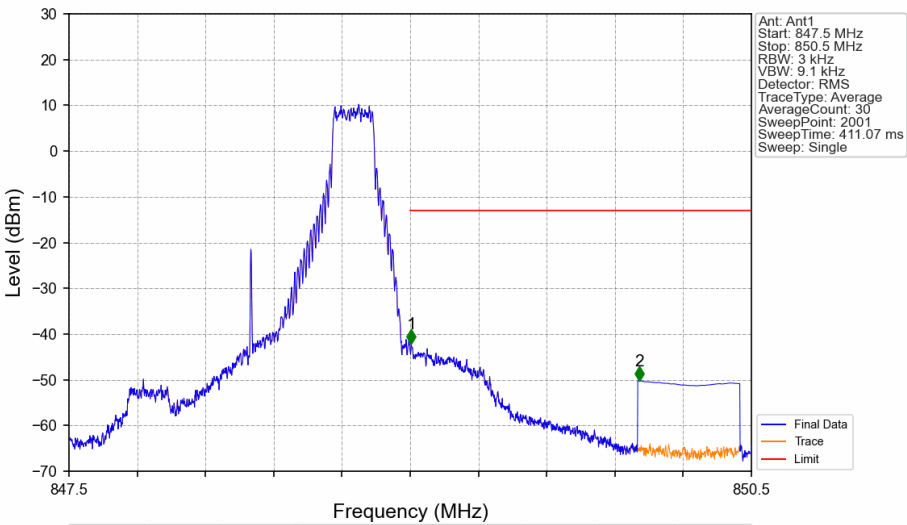


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Band5 1.4MHz 16QAM HCH 848.3MHz RB 1 5 NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 847.5       | 849        | 0.003     | /      | /          | /          | /           | /           | /      |
| 849         | 850        | 0.003     | /      | 1          | 849.005    | -42.08      | -13         | Pass   |
| 850         | 850.5      | 0.1       | CHP    | 2          | 850.008    | -50.24      | -13         | Pass   |

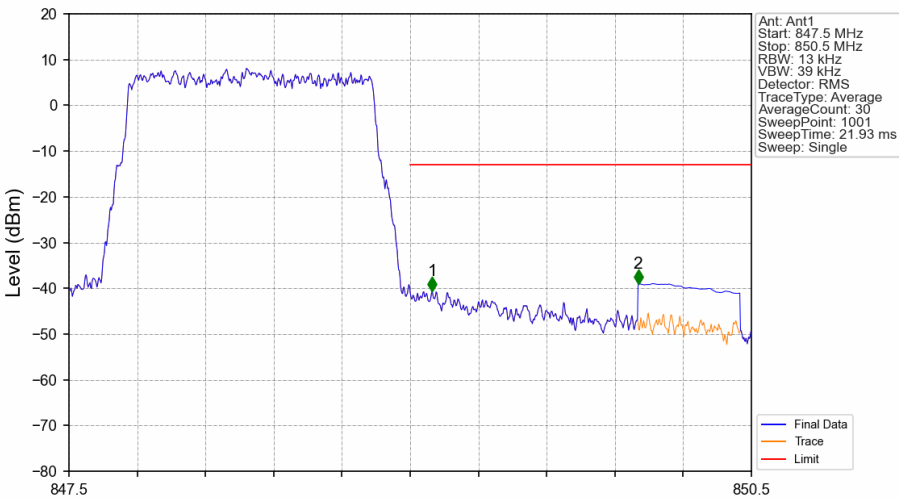


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Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 847.5       | 849        | 0.013     | /      | /          | /          | /           | /           | /      |
| 849         | 850        | 0.013     | /      | 1          | 849.096    | -40.58      | -13         | Pass   |
| 850         | 850.5      | 0.1       | CHP    | 2          | 850.002    | -38.99      | -13         | Pass   |

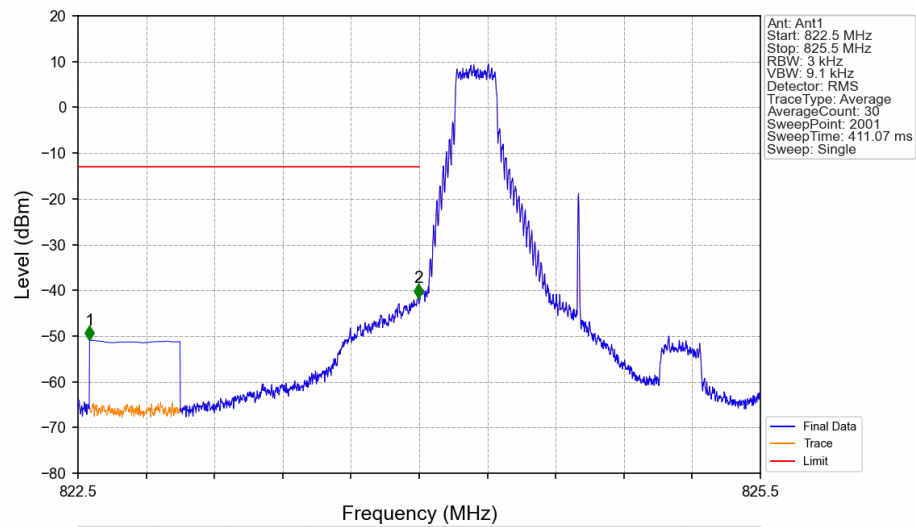


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Band5 1.4MHz 64QAM LCH 824.7MHz RB 1 0 NTNV

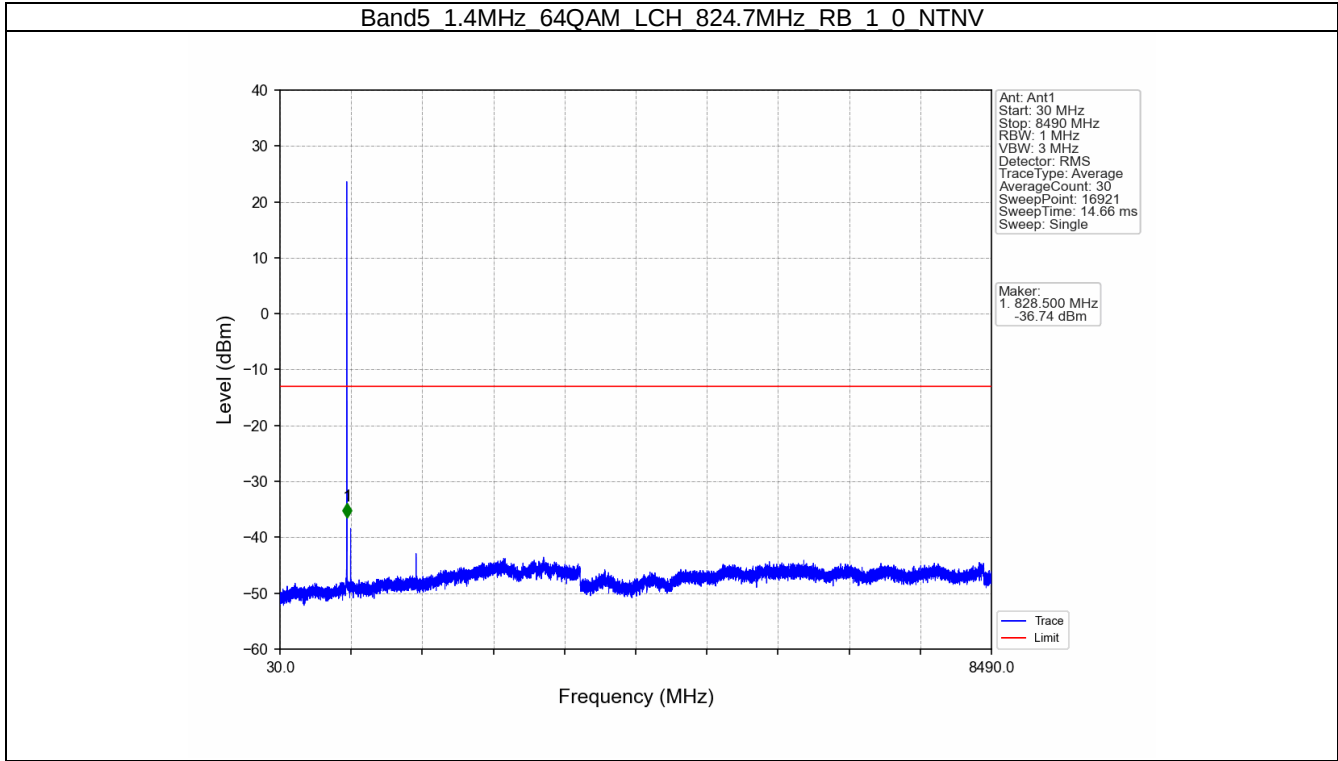


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 822.5       | 823        | 0.1       | CHP    | 1          | 822.551    | -50.92      | -13         | Pass   |
| 823         | 824        | 0.003     | /      | 2          | 823.997    | -41.64      | -13         | Pass   |
| 824         | 825.5      | 0.003     | /      | /          | /          | /           | /           | /      |



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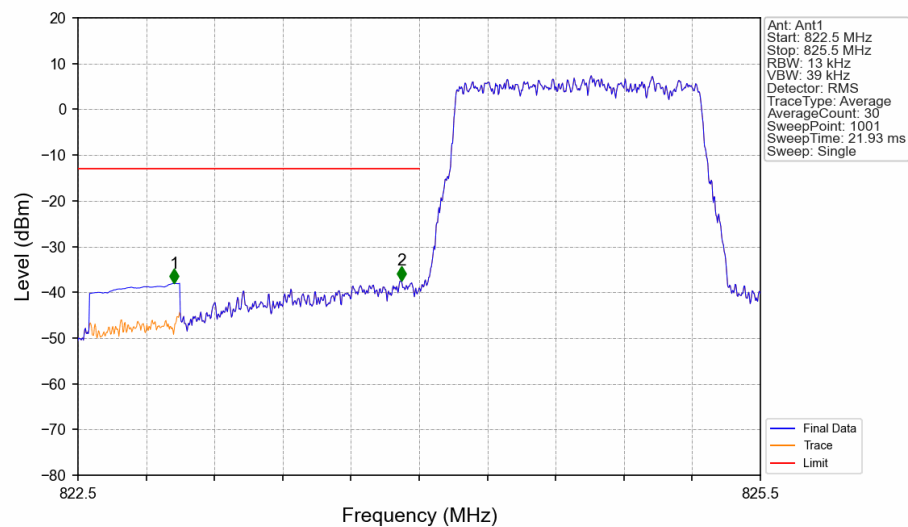


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Band5 1.4MHz 64QAM LCH 824.7MHz RB 6 0 NTNV

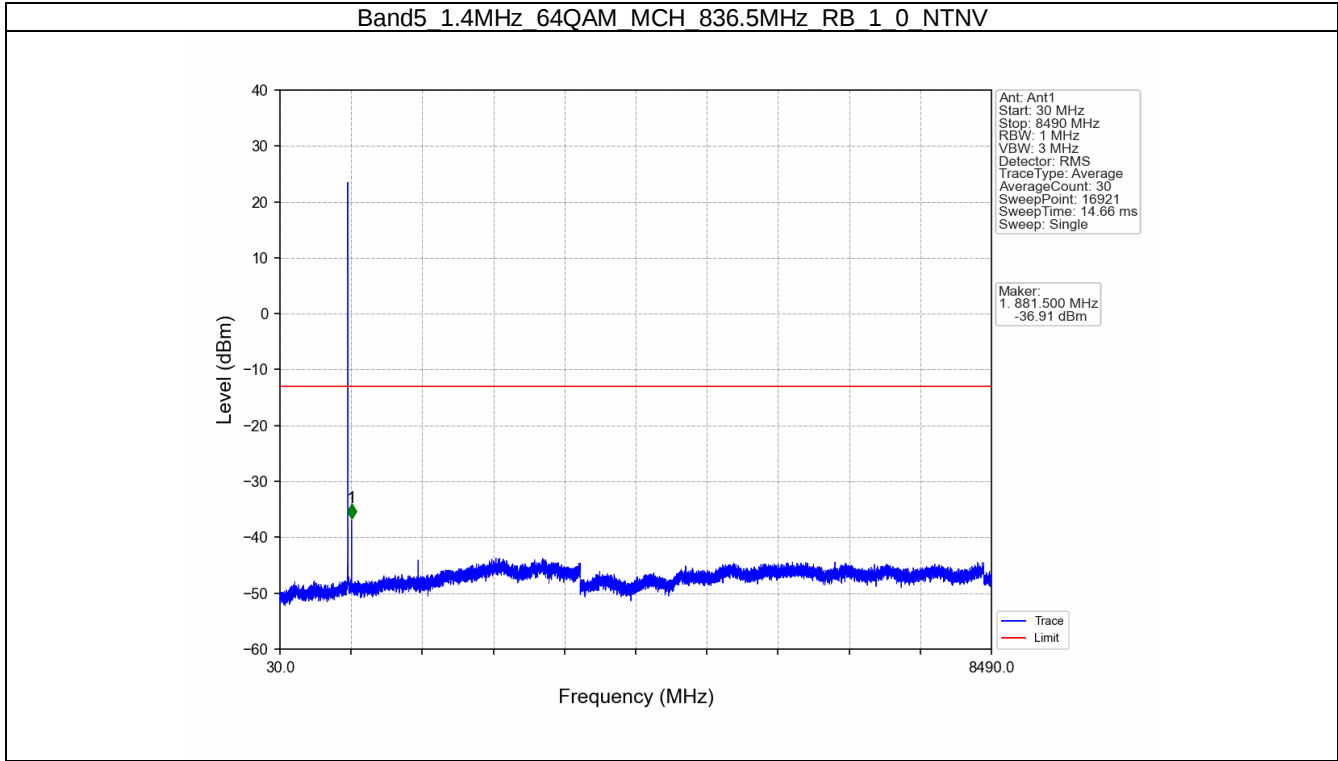


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 822.5       | 823        | 0.1       | CHP    | 1          | 822.923    | -38.05      | -13         | Pass   |
| 823         | 824        | 0.013     | /      | 2          | 823.922    | -37.43      | -13         | Pass   |
| 824         | 825.5      | 0.013     | /      | /          | /          | /           | /           | /      |



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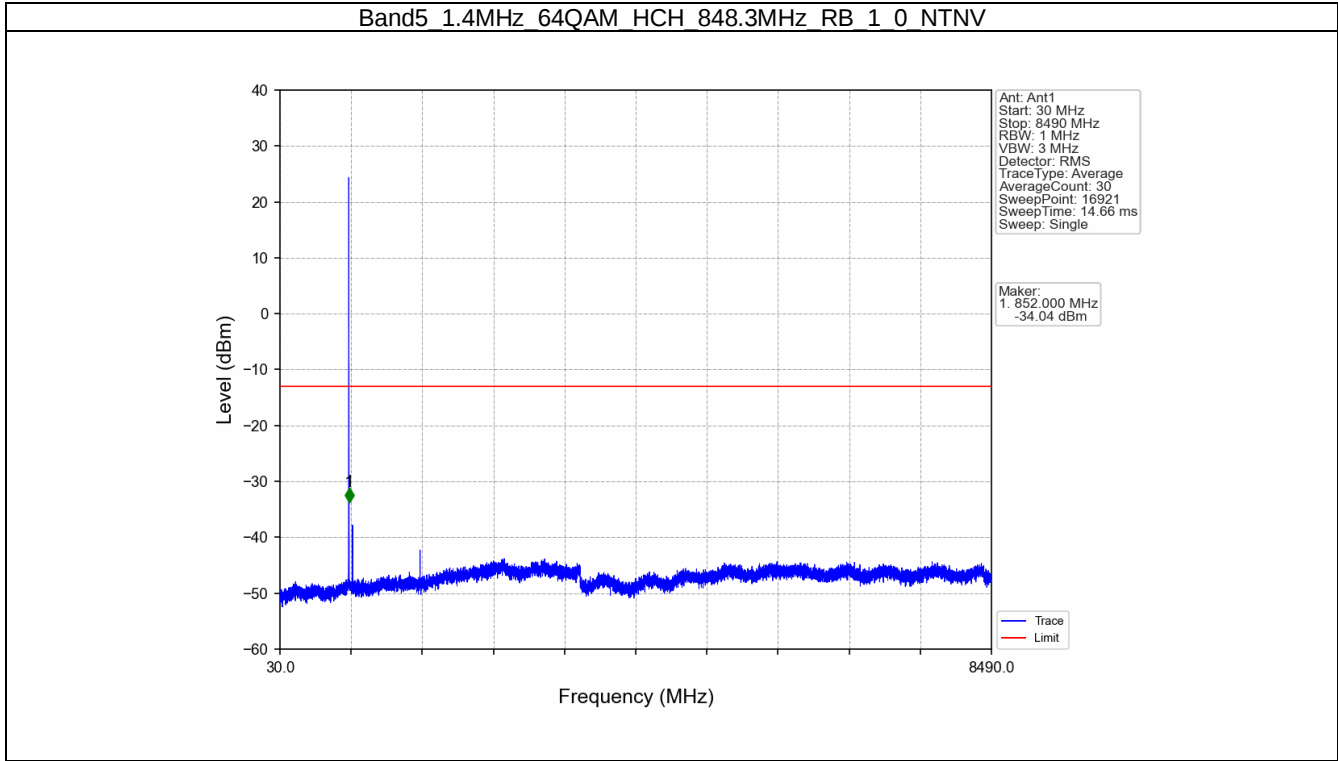
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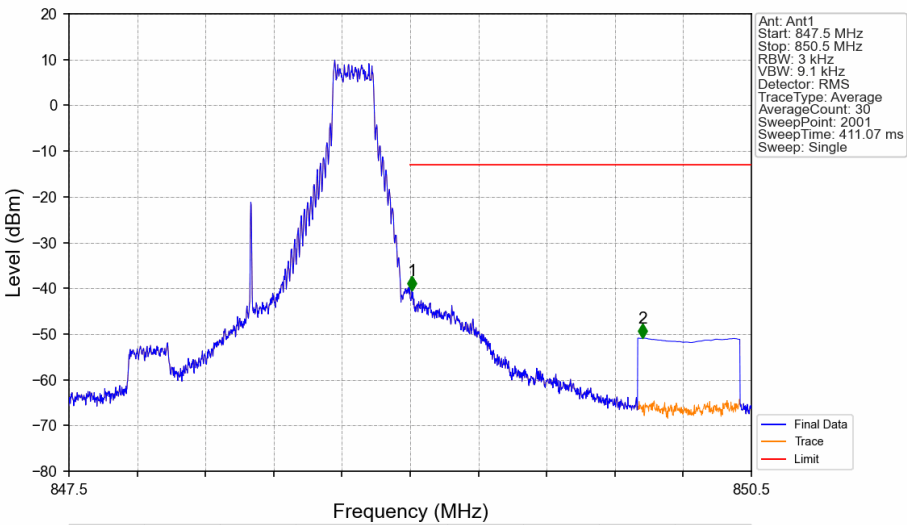


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Band5 1.4MHz 64QAM HCH 848.3MHz RB 1 5 NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 847.5       | 849        | 0.003     | /      | /          | /          | /           | /           | /      |
| 849         | 850        | 0.003     | /      | 1          | 849.008    | -40.52      | -13         | Pass   |
| 850         | 850.5      | 0.1       | CHP    | 2          | 850.023    | -50.89      | -13         | Pass   |

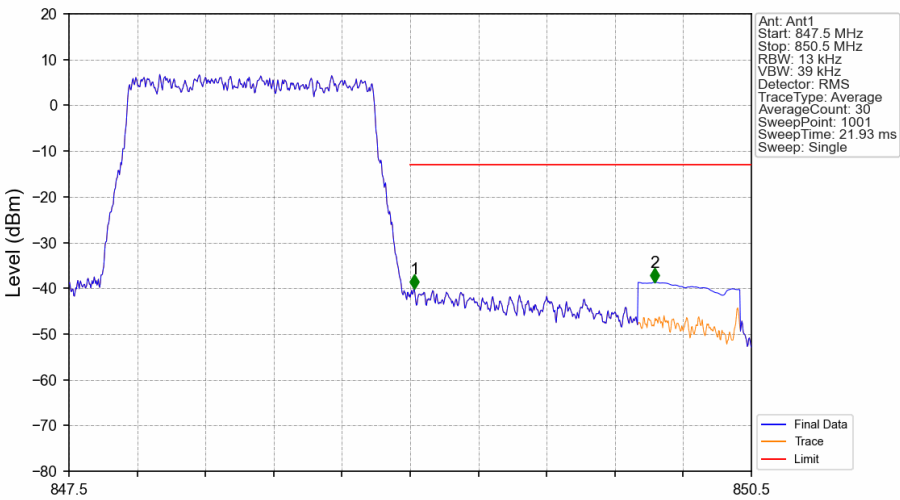


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Band5 1.4MHz 64QAM HCH 848.3MHz RB 6 0 NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 847.5       | 849        | 0.013     | /      | /          | /          | /           | /           | /      |
| 849         | 850        | 0.013     | /      | 1          | 849.018    | -40.20      | -13         | Pass   |
| 850         | 850.5      | 0.1       | CHP    | 2          | 850.074    | -38.71      | -13         | Pass   |



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## 4.2 B5\_3MHz

### 4.2.1 Test Result

| Band: 5 / Bandwidth: 3MHz / NTNV |                 |               |        |                     |       |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       |
|                                  |                 | Size          | Offset | Result              | Limit |
| QPSK                             | 825.5           | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                 | 15            | 0      | Refer To Test Graph | Pass  |
|                                  | 847.5           | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                 | 1             | 14     | Refer To Test Graph | Pass  |
|                                  |                 | 15            | 0      | Refer To Test Graph | Pass  |
| 16QAM                            | 825.5           | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                 | 15            | 0      | Refer To Test Graph | Pass  |
|                                  | 847.5           | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                 | 1             | 14     | Refer To Test Graph | Pass  |
|                                  |                 | 15            | 0      | Refer To Test Graph | Pass  |
| 64QAM                            | 825.5           | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                 | 15            | 0      | Refer To Test Graph | Pass  |
|                                  | 847.5           | 1             | 0      | Refer To Test Graph | Pass  |
|                                  |                 | 1             | 14     | Refer To Test Graph | Pass  |
|                                  |                 | 15            | 0      | Refer To Test Graph | Pass  |

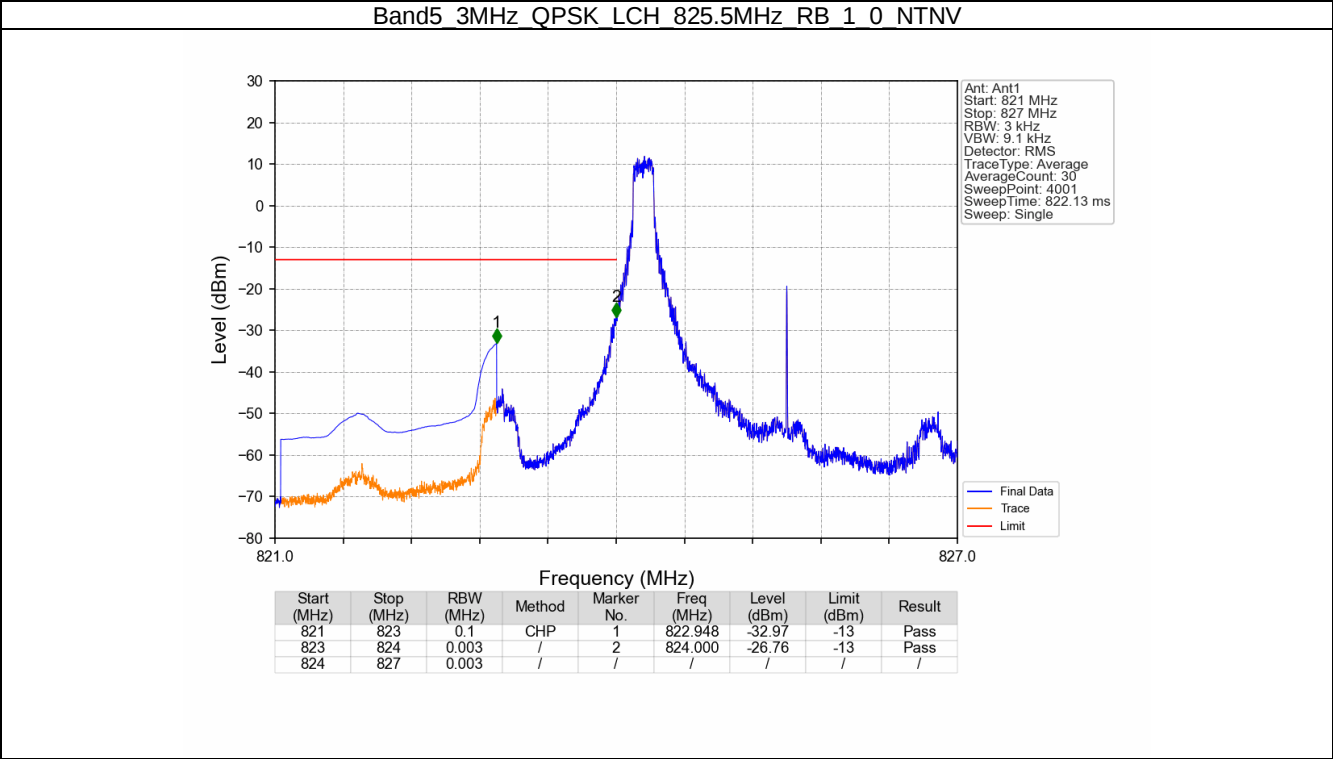


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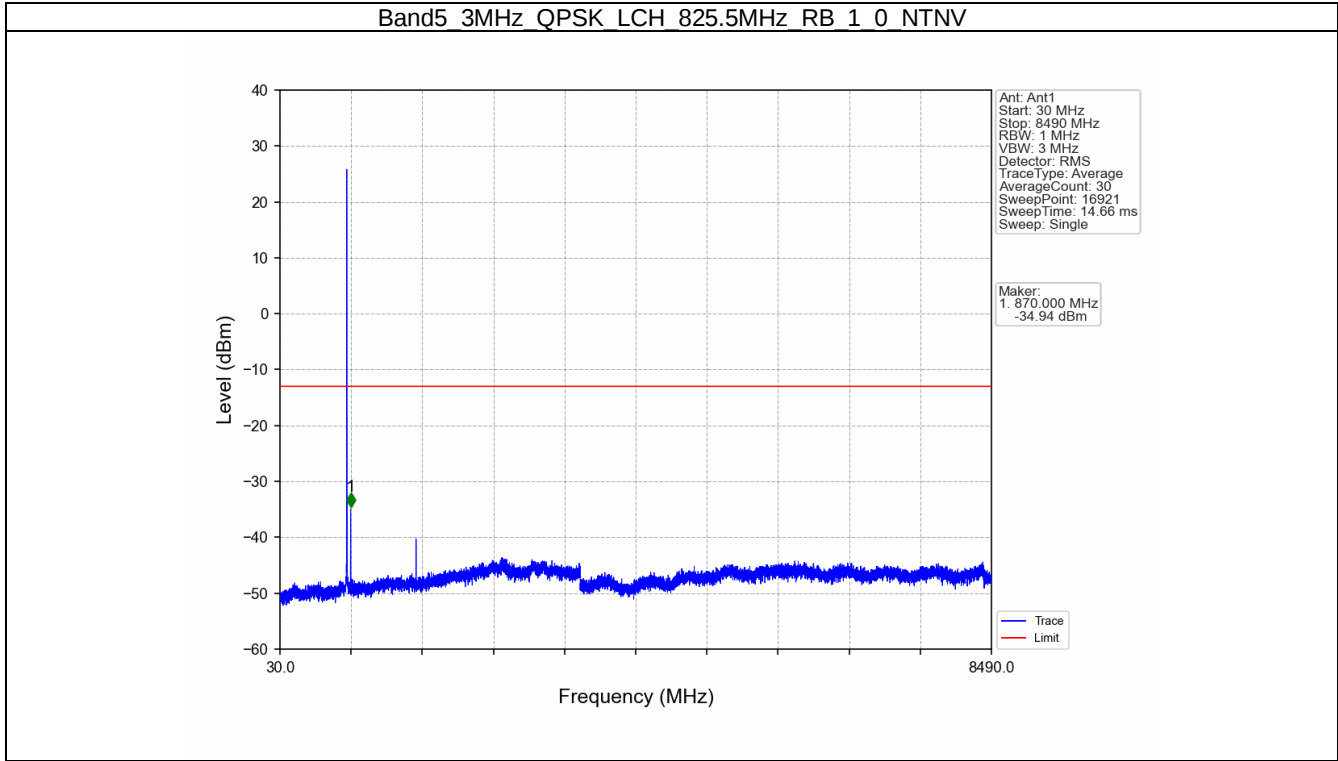
4.2.2 Test Graph





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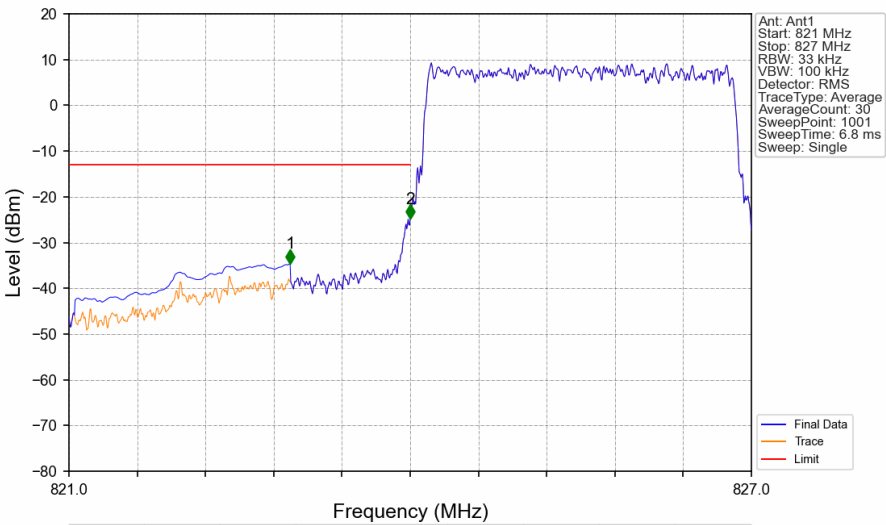


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Band5 3MHz QPSK LCH 825.5MHz RB 15 0 NTN

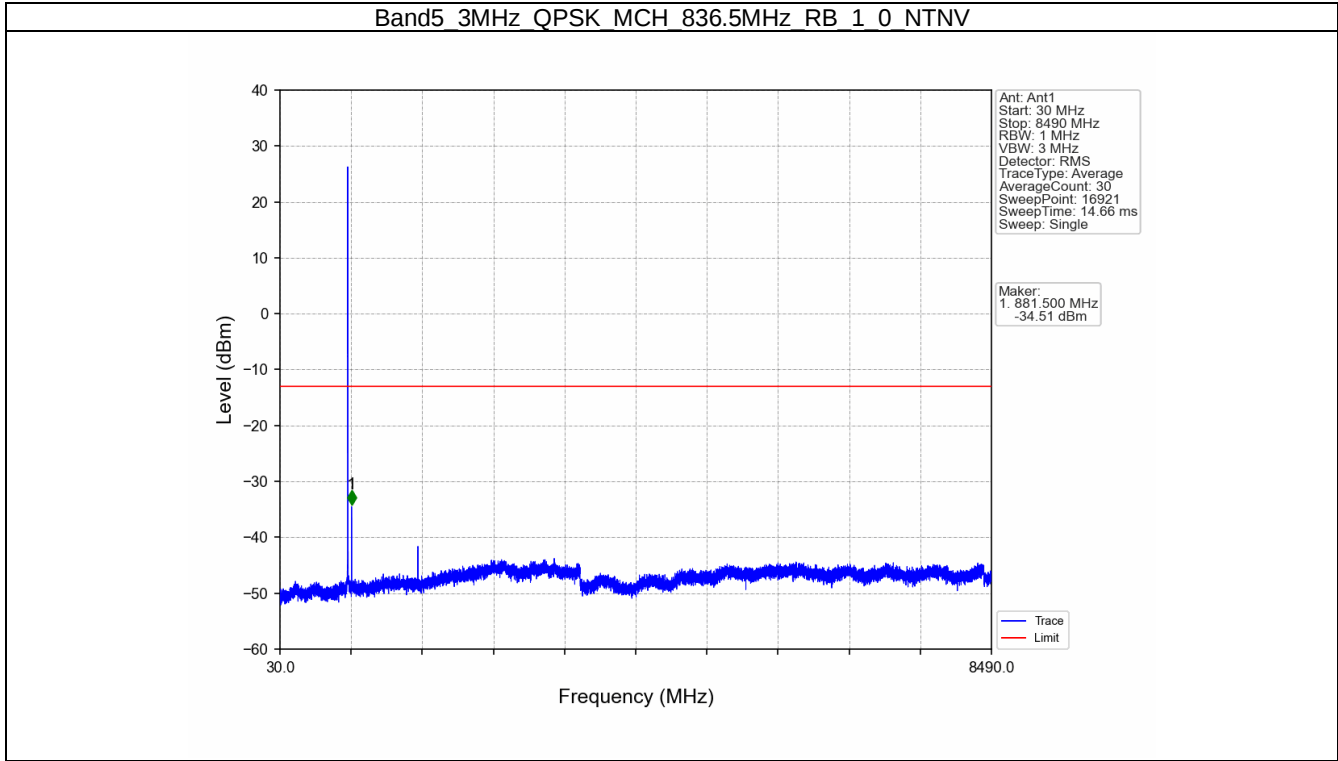


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 821         | 823        | 0.1       | CHP    | 1          | 822.944    | -34.61      | -13         | Pass   |
| 823         | 824        | 0.033     | /      | 2          | 824.000    | -24.75      | -13         | Pass   |
| 824         | 827        | 0.033     | /      | /          | /          | /           | /           | /      |



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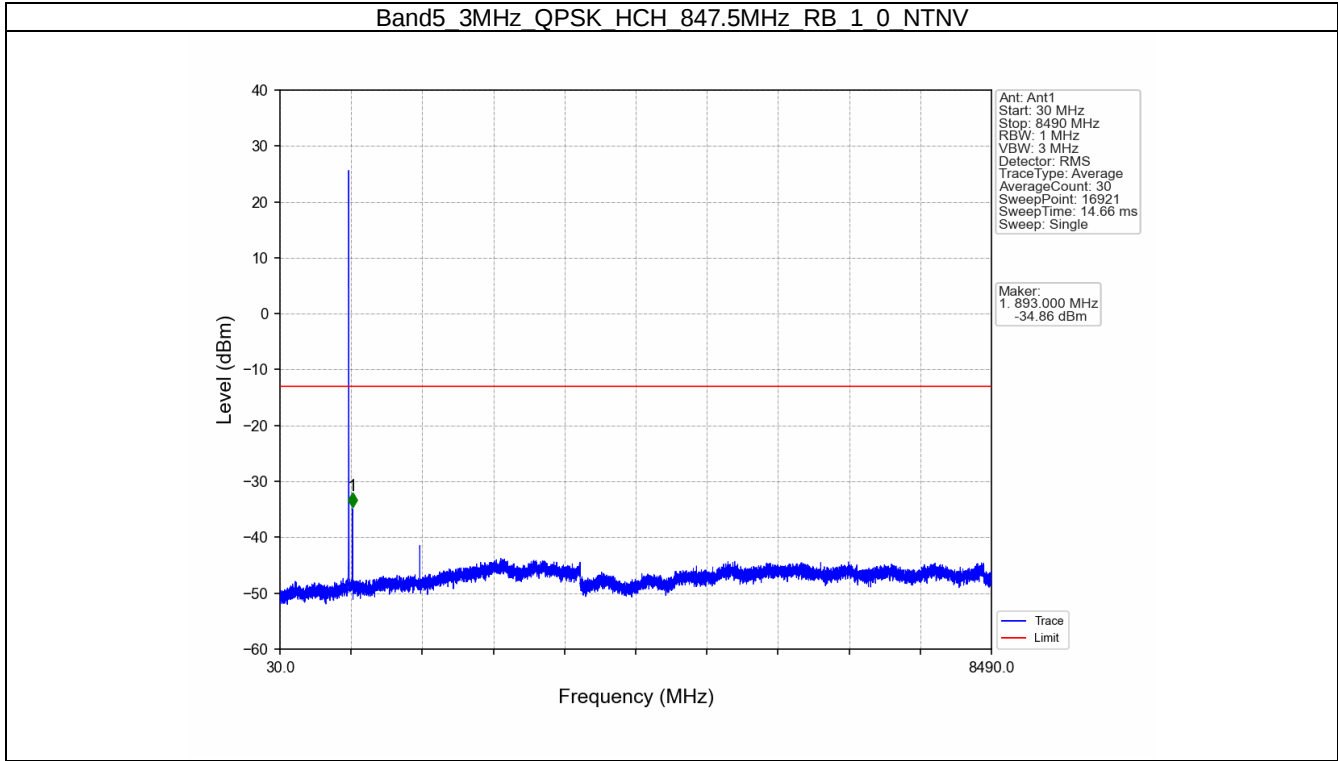
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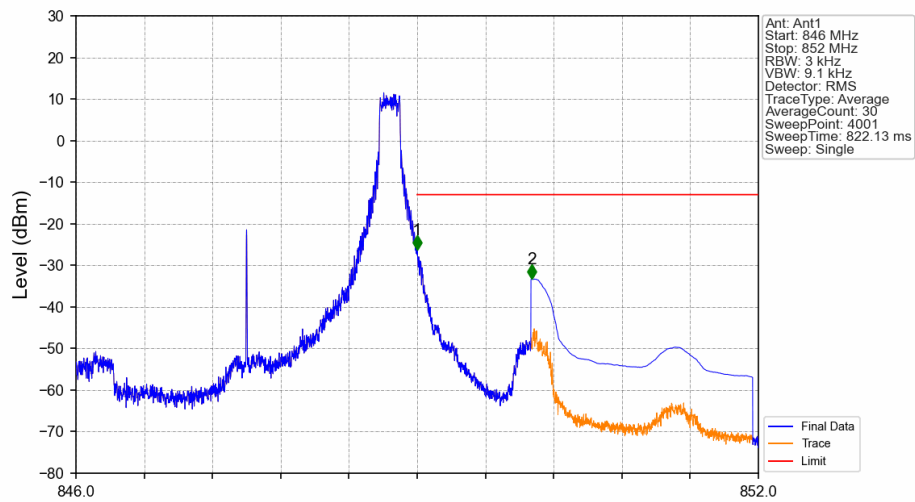


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Band5 3MHz QPSK HCH 847.5MHz RB 1 14 NTN



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 846         | 849        | 0.003     | /      | /          | /          | /           | /           | /      |
| 849         | 850        | 0.003     | /      | 1          | 849.000    | -26.29      | -13         | Pass   |
| 850         | 852        | 0.1       | CHP    | 2          | 850.006    | -33.29      | -13         | Pass   |

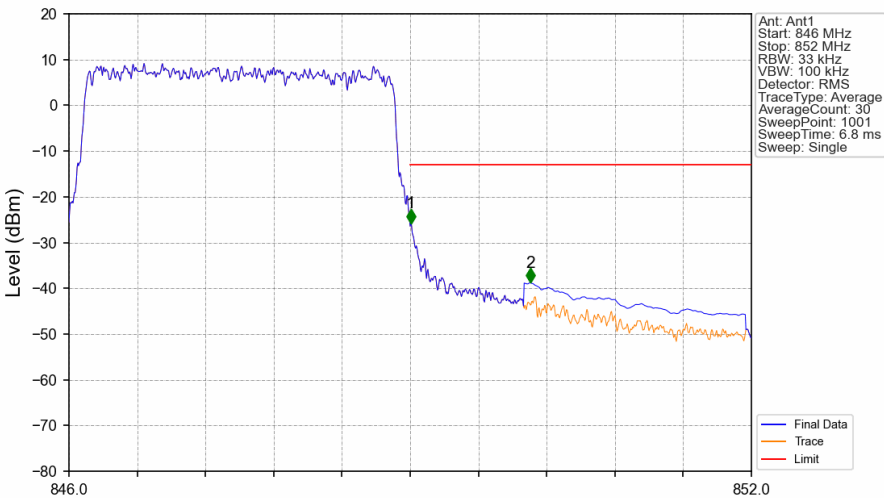


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Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTN



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 846         | 849        | 0.033     | /      | /          | /          | /           | /           | /      |
| 849         | 850        | 0.033     | /      | 1          | 849.006    | -25.79      | -13         | Pass   |
| 850         | 852        | 0.1       | CHP    | 2          | 850.056    | -38.78      | -13         | Pass   |

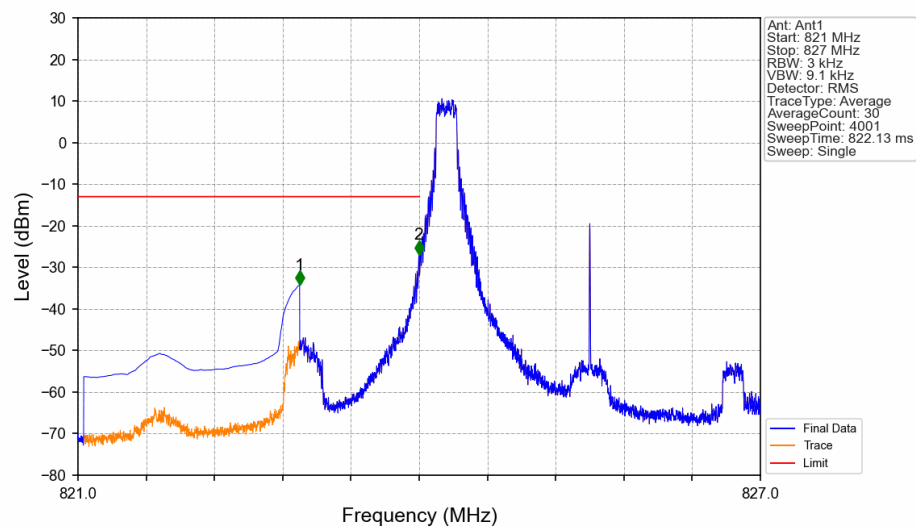


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Band5 3MHz 16QAM LCH 825.5MHz RB 1 0 NTN

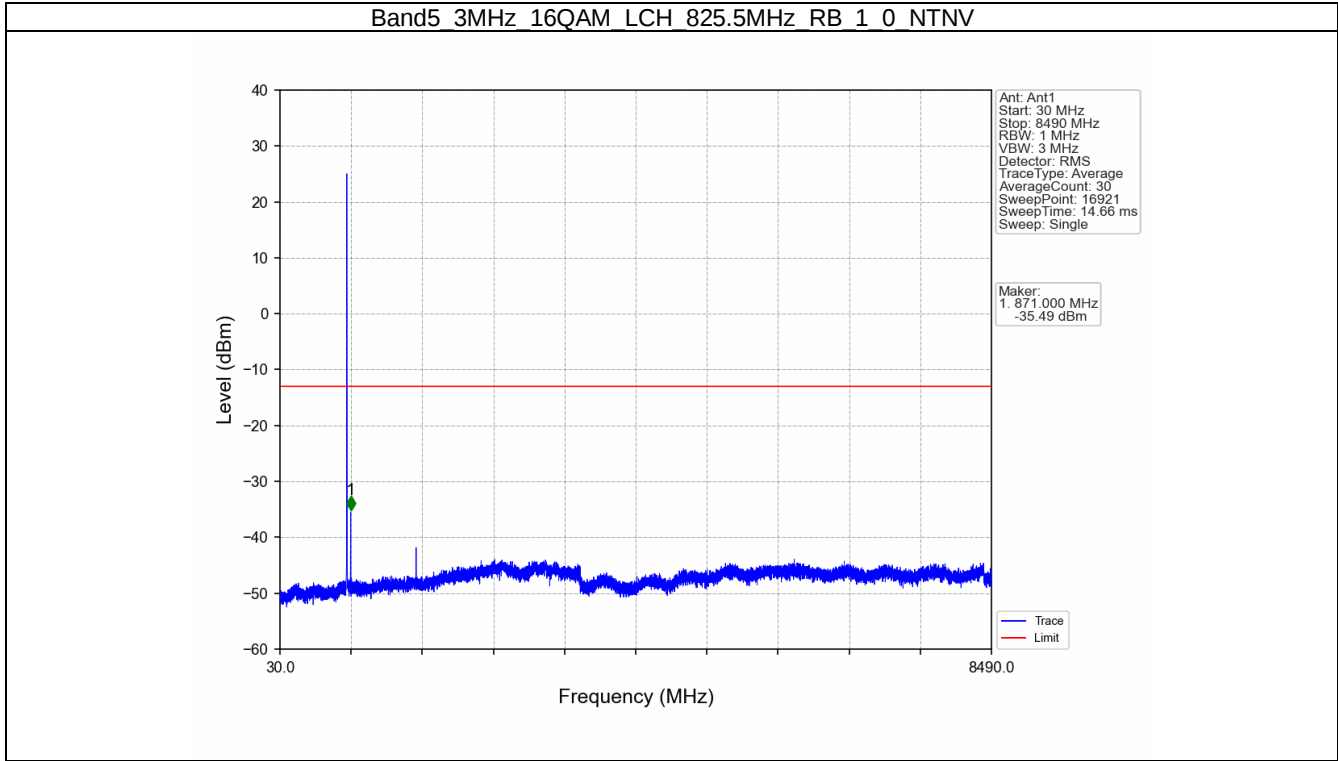


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 821         | 823        | 0.1       | CHP    | 1          | 822.948    | -34.18      | -13         | Pass   |
| 823         | 824        | 0.003     | /      | 2          | 823.997    | -26.97      | -13         | Pass   |
| 824         | 827        | 0.003     | /      | /          | /          | /           | /           | /      |



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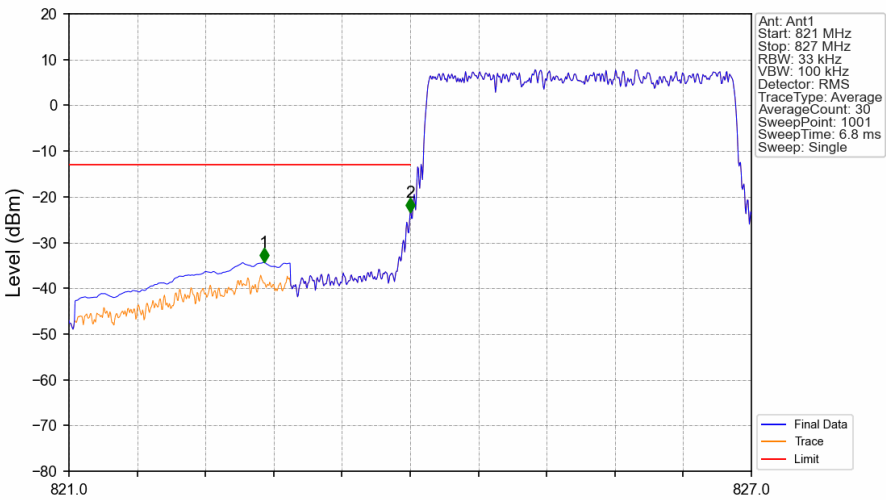


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Band5 3MHz 16QAM LCH 825.5MHz RB 15 0 NTV



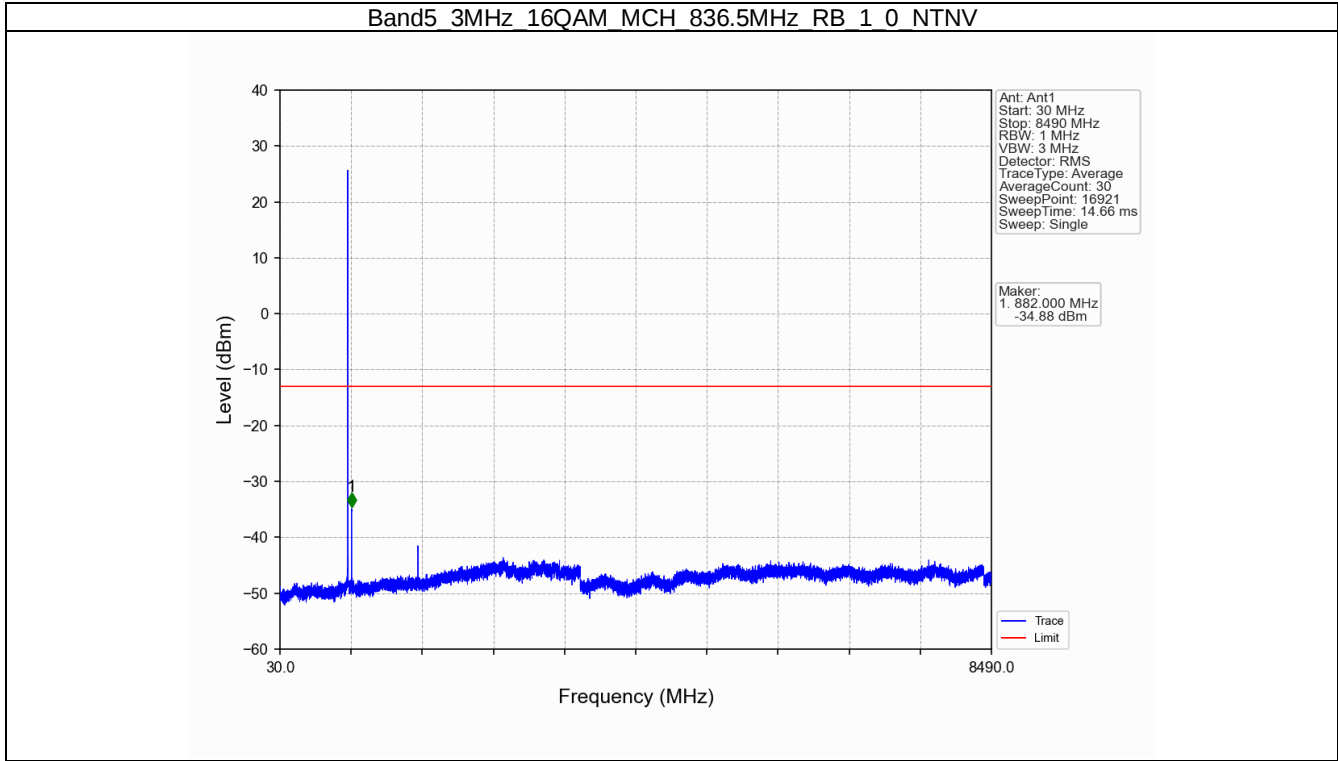
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 821         | 823        | 0.1       | CHP    | 1          | 822.716    | -34.32      | -13         | Pass   |
| 823         | 824        | 0.033     | /      | 2          | 824.000    | -23.46      | -13         | Pass   |
| 824         | 827        | 0.033     | /      | /          | /          | /           | /           | /      |



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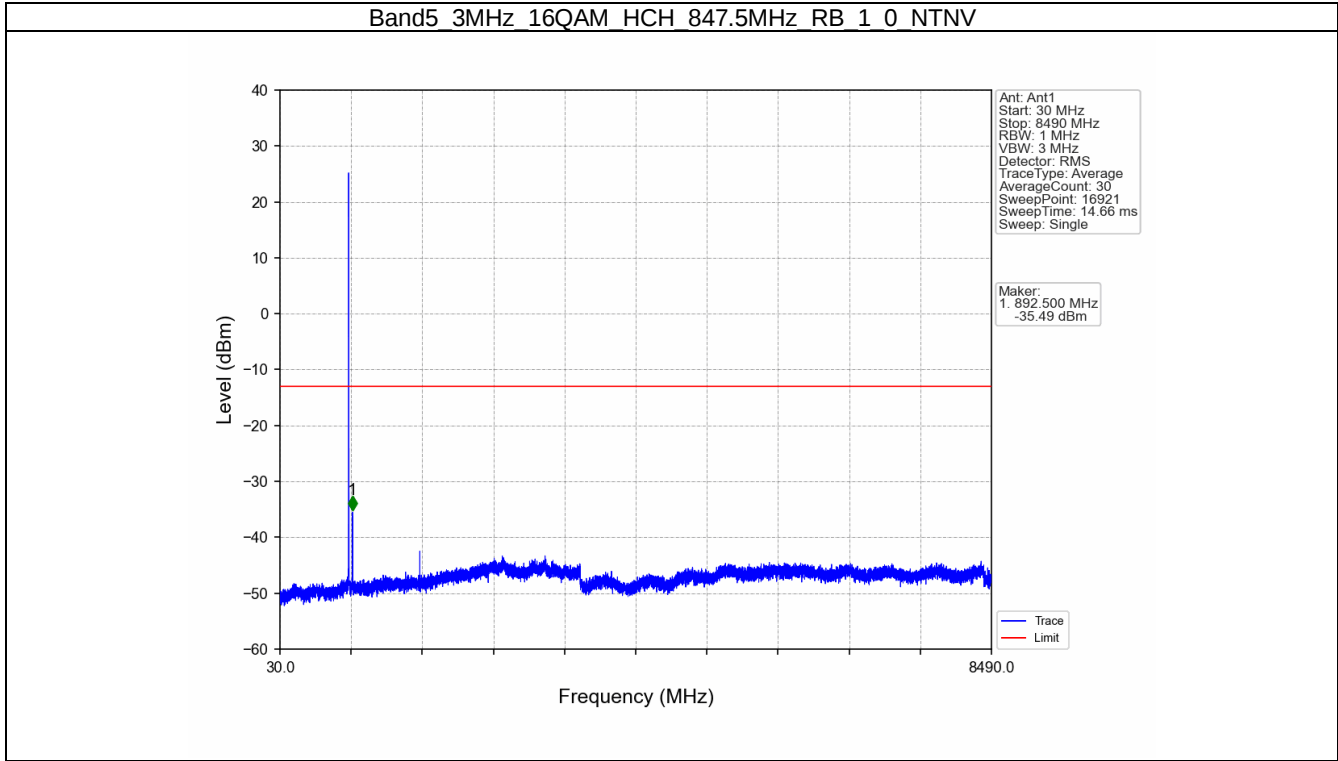
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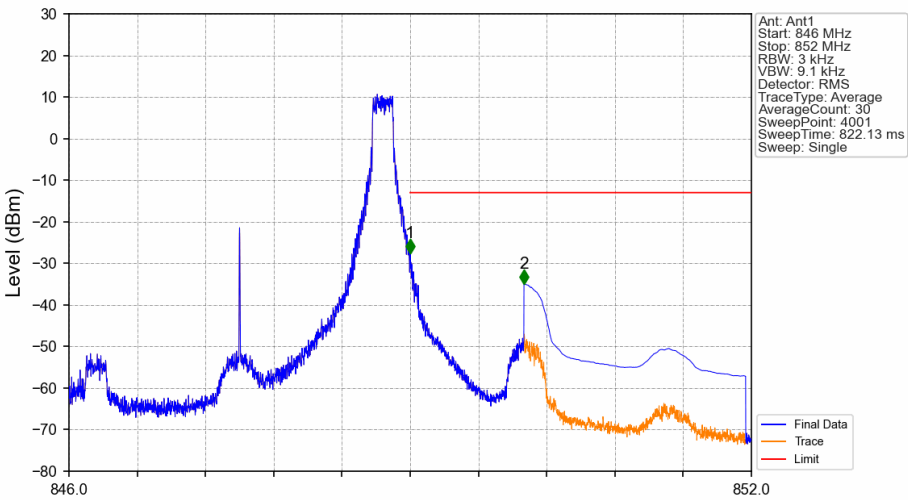


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Band5 3MHz 16QAM HCH 847.5MHz RB 1 14 NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 846         | 849        | 0.003     | /      | /          | /          | /           | /           | /      |
| 849         | 850        | 0.003     | /      | 1          | 849.000    | -27.54      | -13         | Pass   |
| 850         | 852        | 0.1       | CHP    | 2          | 850.000    | -34.89      | -13         | Pass   |

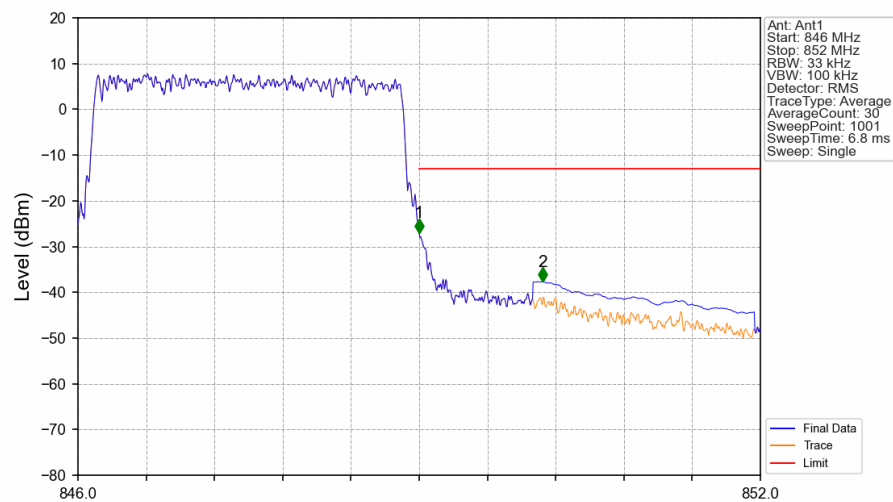


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Band5 3MHz 16QAM HCH 847.5MHz RB 15 0 NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 846         | 849        | 0.033     | /      | /          | /          | /           | /           | /      |
| 849         | 850        | 0.033     | /      | 1          | 849.000    | -27.01      | -13         | Pass   |
| 850         | 852        | 0.1       | CHP    | 2          | 850.086    | -37.66      | -13         | Pass   |

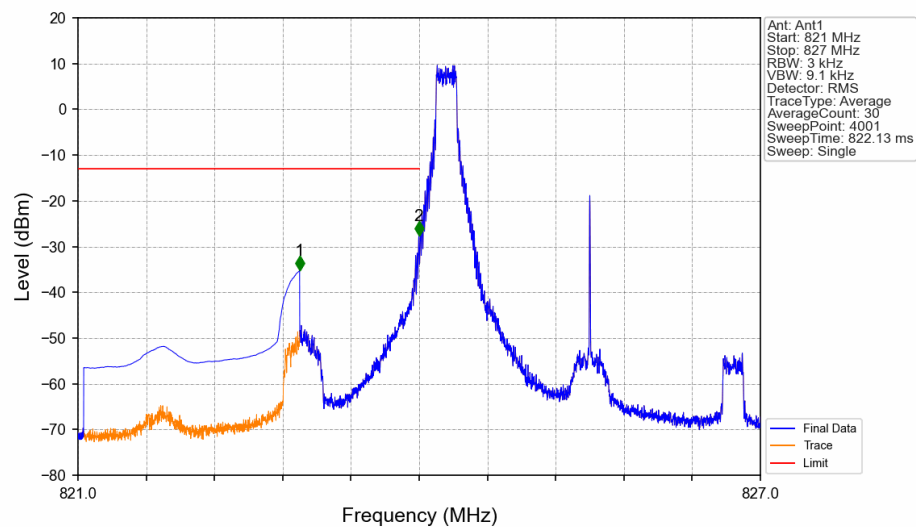


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Band5 3MHz 64QAM LCH 825.5MHz RB 1 0 NTN



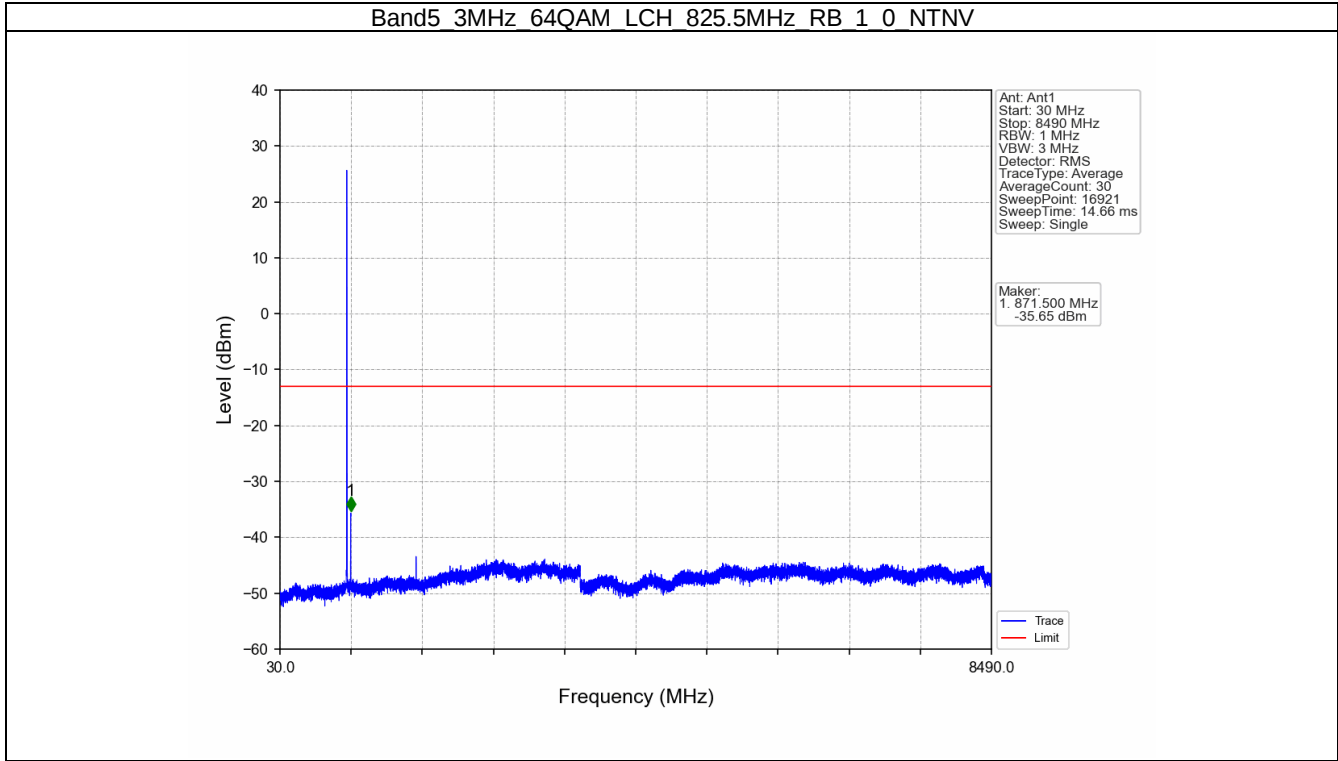
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 821         | 823        | 0.1       | CHP    | 1          | 822.948    | -35.22      | -13         | Pass   |
| 823         | 824        | 0.003     | /      | 2          | 823.997    | -27.58      | -13         | Pass   |
| 824         | 827        | 0.003     | /      | /          | /          | /           | /           | /      |



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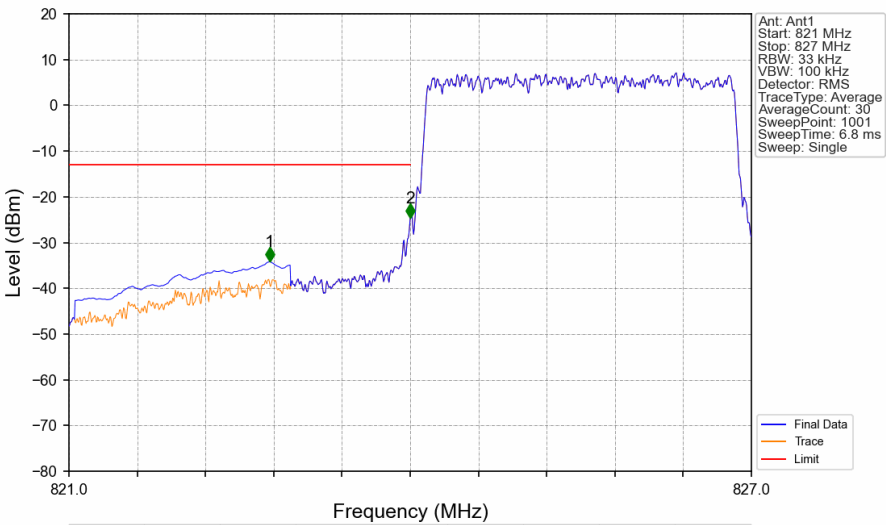


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Band5 3MHz 64QAM LCH 825.5MHz RB 15 0 NTV

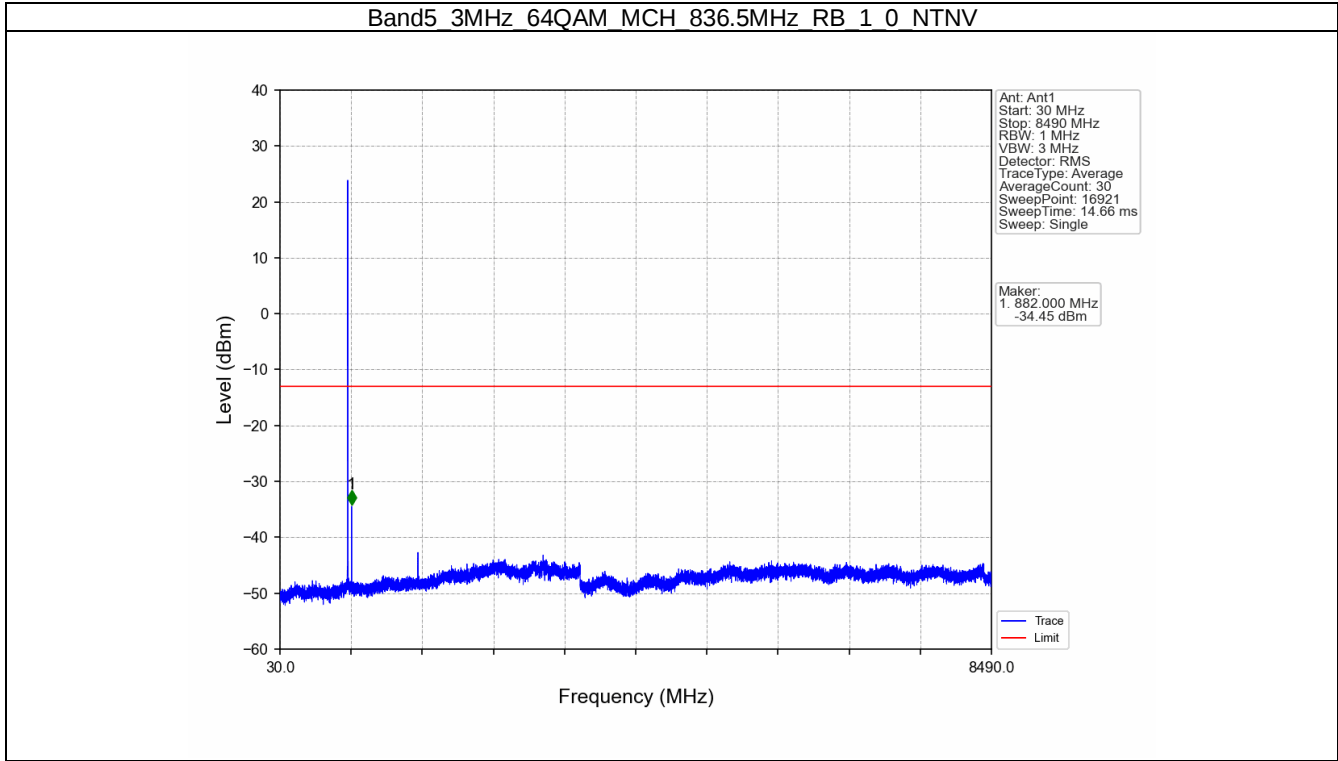


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 821         | 823        | 0.1       | CHP    | 1          | 822.764    | -34.20      | -13         | Pass   |
| 823         | 824        | 0.033     | /      | 2          | 824.000    | -24.67      | -13         | Pass   |
| 824         | 827        | 0.033     | /      | /          | /          | /           | /           | /      |



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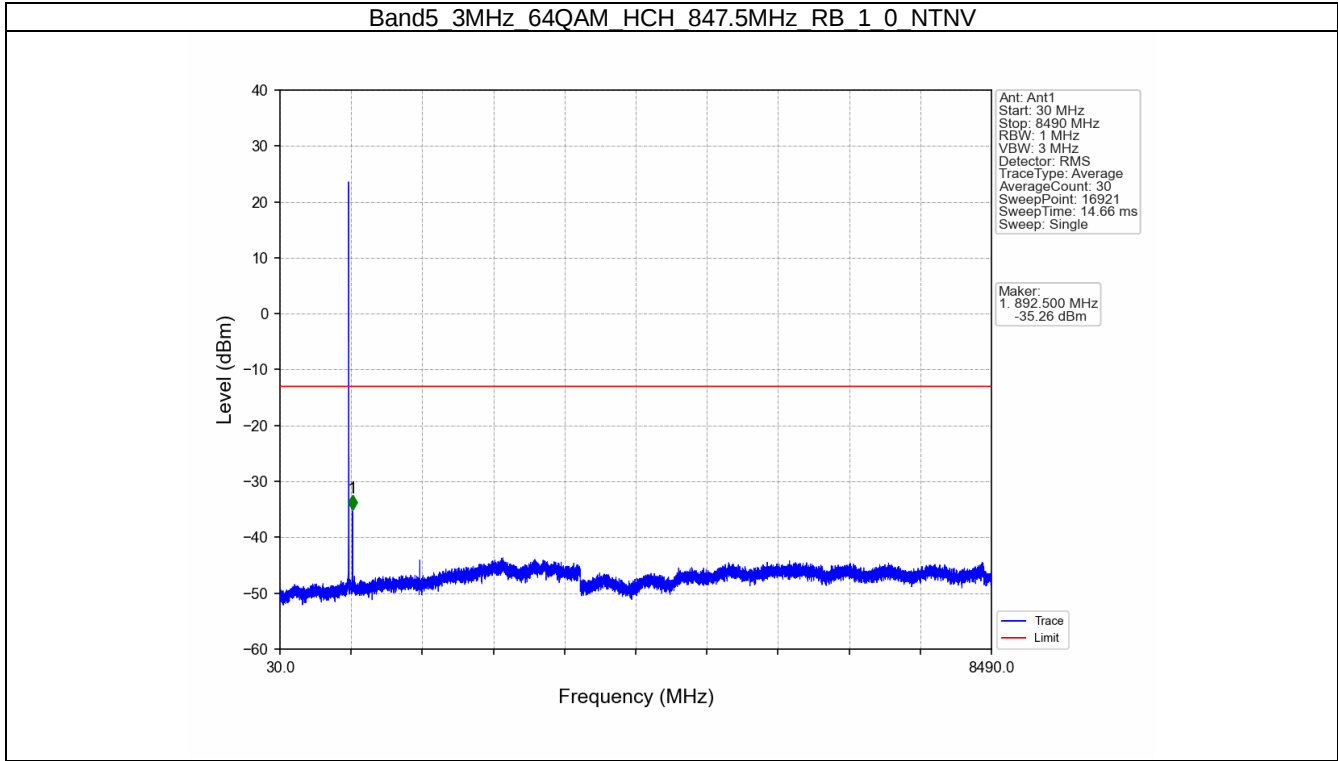
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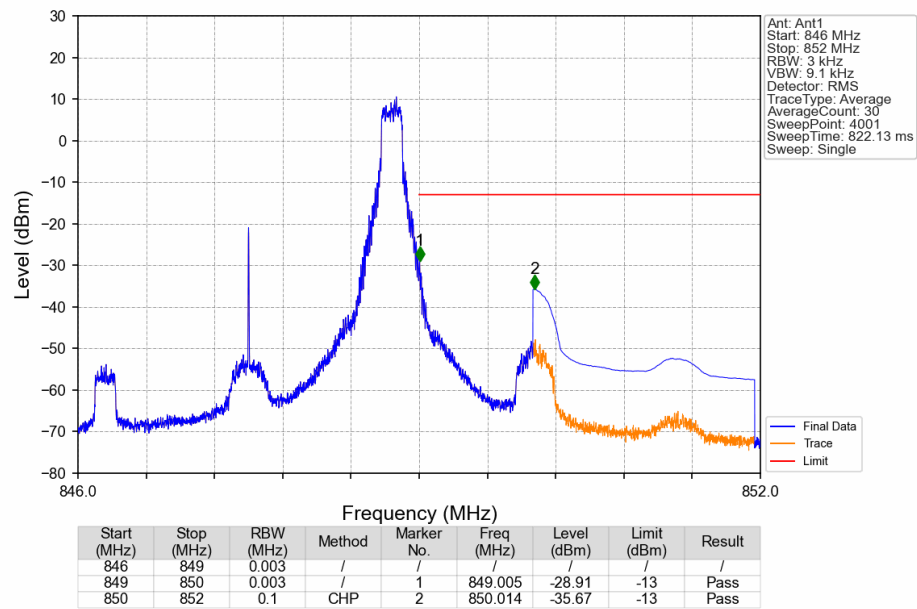


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Band5 3MHz 64QAM HCH 847.5MHz RB 1 14 NTV



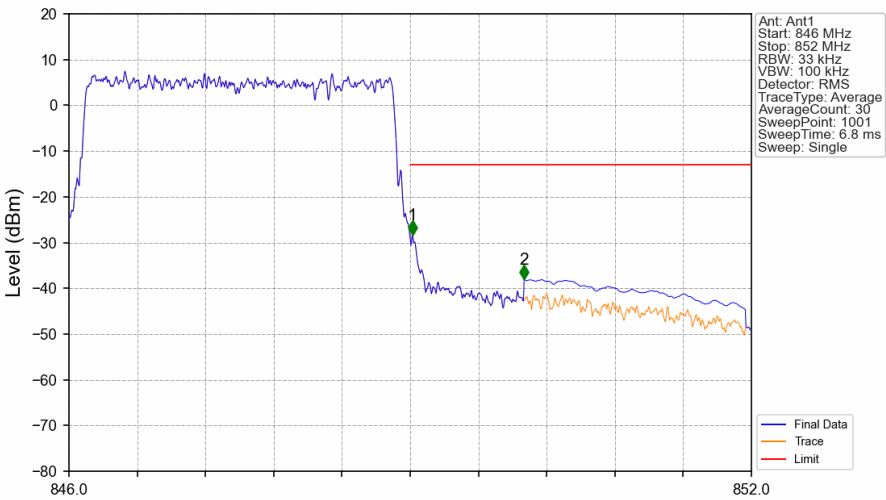


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Band5 3MHz 64QAM HCH 847.5MHz RB 15 0 NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 846         | 849        | 0.033     | /      | /          | /          | /           | /           | /      |
| 849         | 850        | 0.033     | /      | 1          | 849.018    | -28.35      | -13         | Pass   |
| 850         | 852        | 0.1       | CHP    | 2          | 850.002    | -38.02      | -13         | Pass   |



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### 4.3 B5\_5MHz

#### 4.3.1 Test Result

| Band: 5 / Bandwidth: 5MHz / NTNV |                 |               |        |                     |       |         |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                  |                 | Size          | Offset | Result              | Limit |         |
| QPSK                             | 826.5           | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 | 25            | 0      | Refer To Test Graph |       | Pass    |
|                                  | 836.5           | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  | 846.5           | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 |               | 24     | Refer To Test Graph |       | Pass    |
|                                  |                 | 25            | 0      | Refer To Test Graph |       | Pass    |
| 16QAM                            | 826.5           | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 | 25            | 0      | Refer To Test Graph |       | Pass    |
|                                  | 836.5           | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  | 846.5           | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 |               | 24     | Refer To Test Graph |       | Pass    |
|                                  |                 | 25            | 0      | Refer To Test Graph |       | Pass    |
| 64QAM                            | 826.5           | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 | 25            | 0      | Refer To Test Graph |       | Pass    |
|                                  | 836.5           | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  | 846.5           | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 |               | 24     | Refer To Test Graph |       | Pass    |
|                                  |                 | 25            | 0      | Refer To Test Graph |       | Pass    |

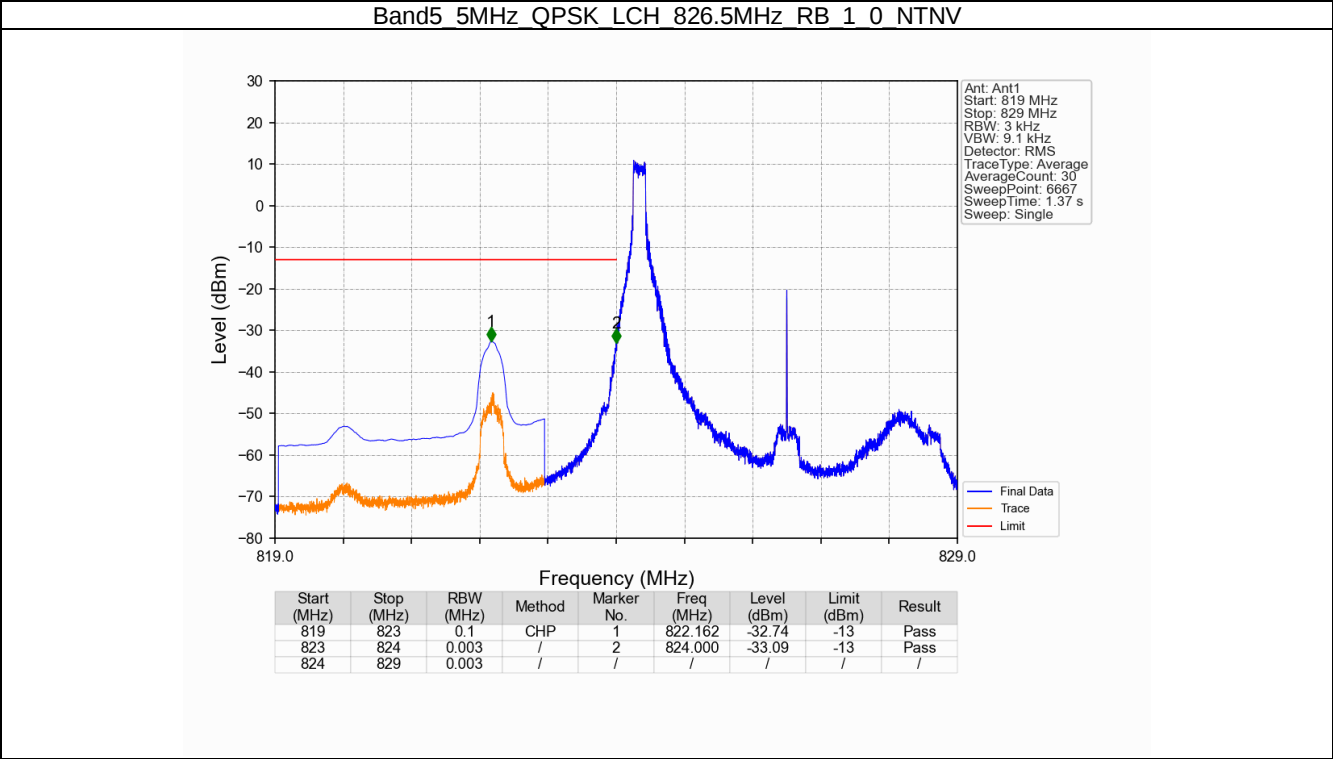


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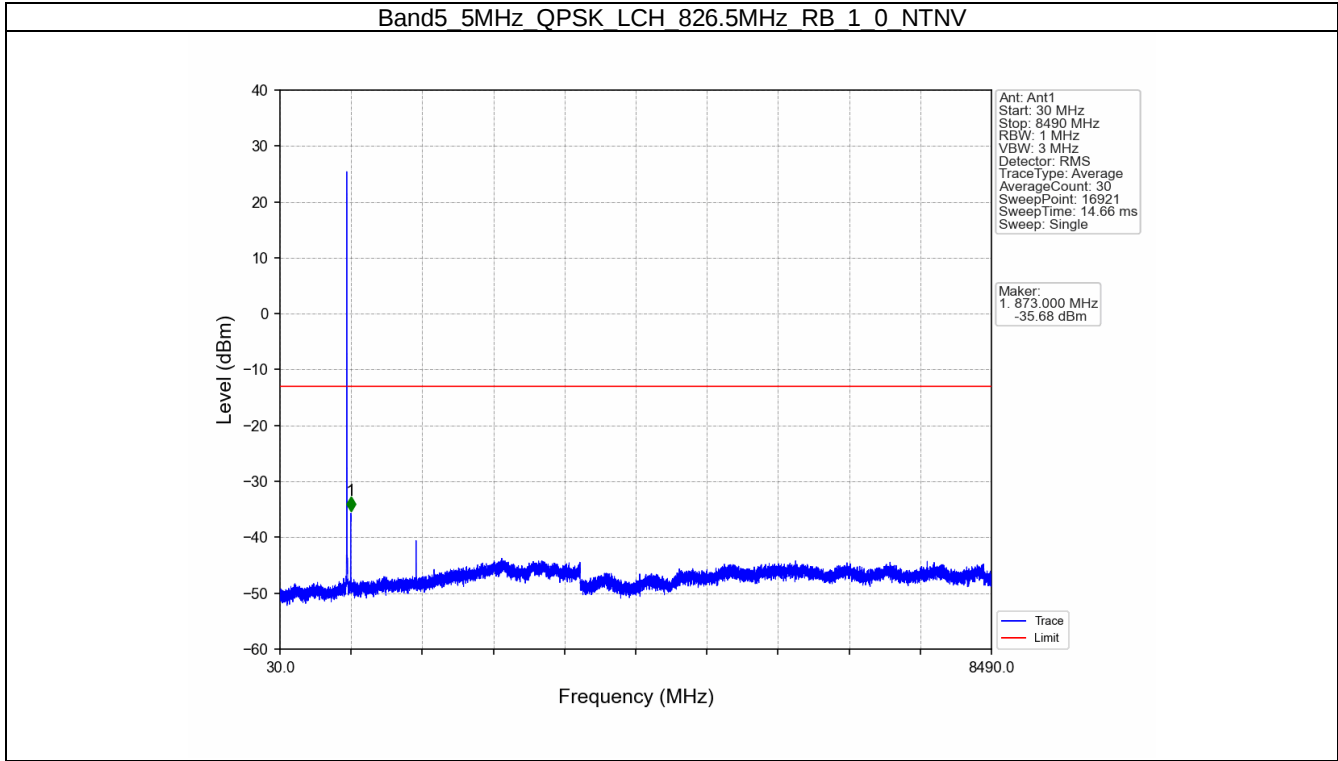
4.3.2 Test Graph





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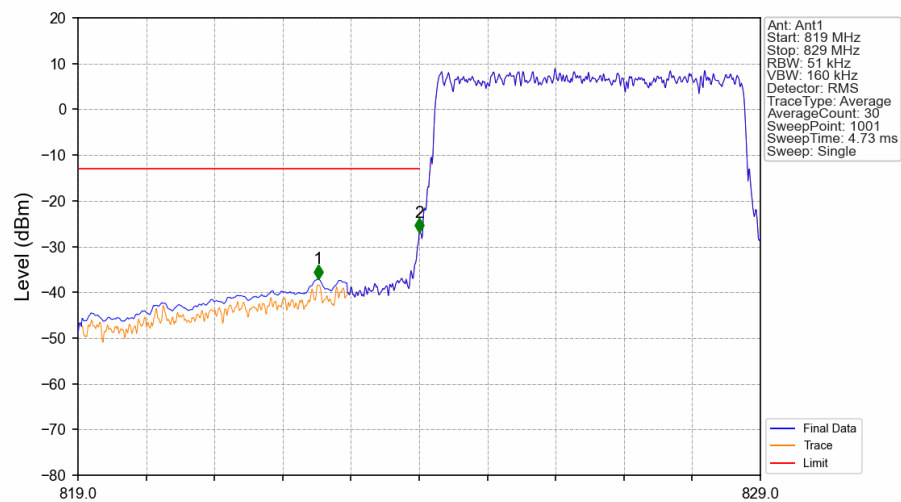


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Band5 5MHz QPSK LCH 826.5MHz RB 25 0 NTN



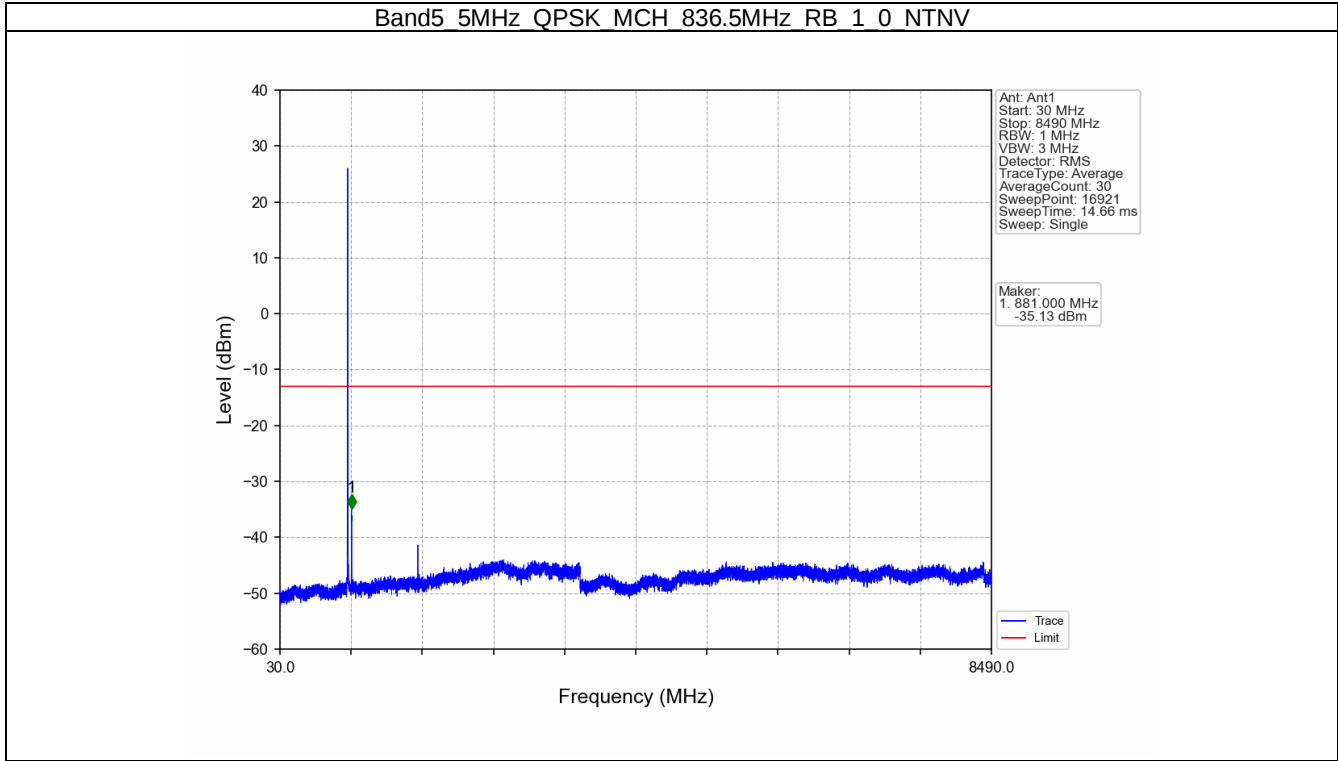
| Frequency (MHz) |            |           |        |            |            |             |             |        |
|-----------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| Start (MHz)     | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
| 819             | 823        | 0.1       | CHP    | 1          | 822.520    | -37.08      | -13         | Pass   |
| 823             | 824        | 0.051     | /      | 2          | 824.000    | -26.92      | -13         | Pass   |
| 824             | 829        | 0.051     | /      | /          | /          | /           | /           | /      |



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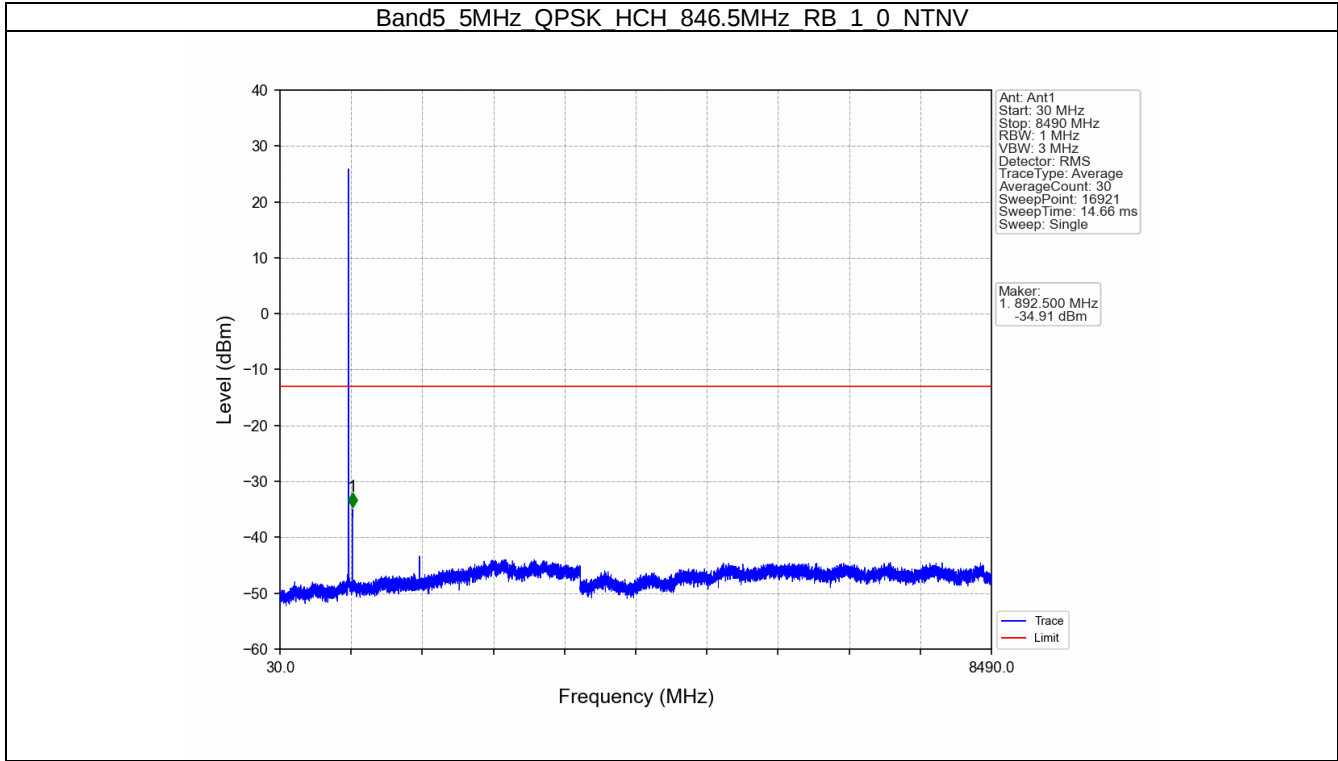
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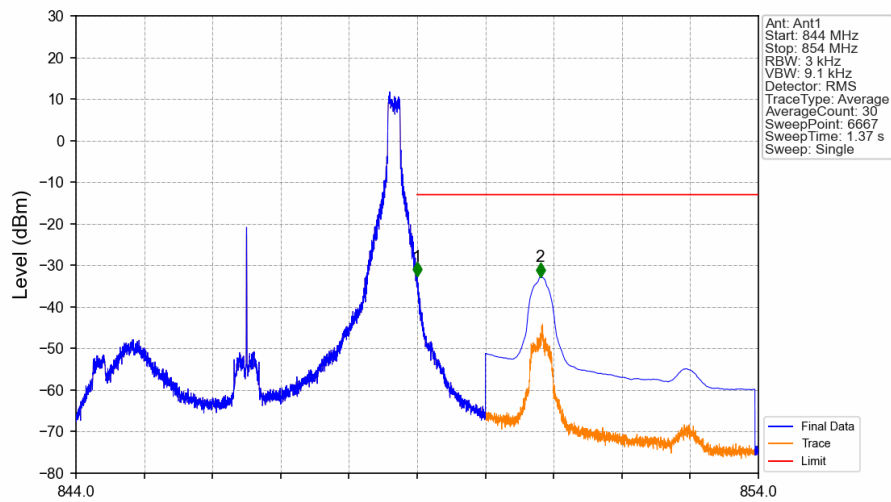


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Band5 5MHz QPSK HCH 846.5MHz RB 1 24 NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 844         | 849        | 0.003     | /      | /          | /          | /           | /           | /      |
| 849         | 850        | 0.003     | /      | 1          | 849.000    | -32.68      | -13         | Pass   |
| 850         | 854        | 0.1       | CHP    | 2          | 850.803    | -32.79      | -13         | Pass   |

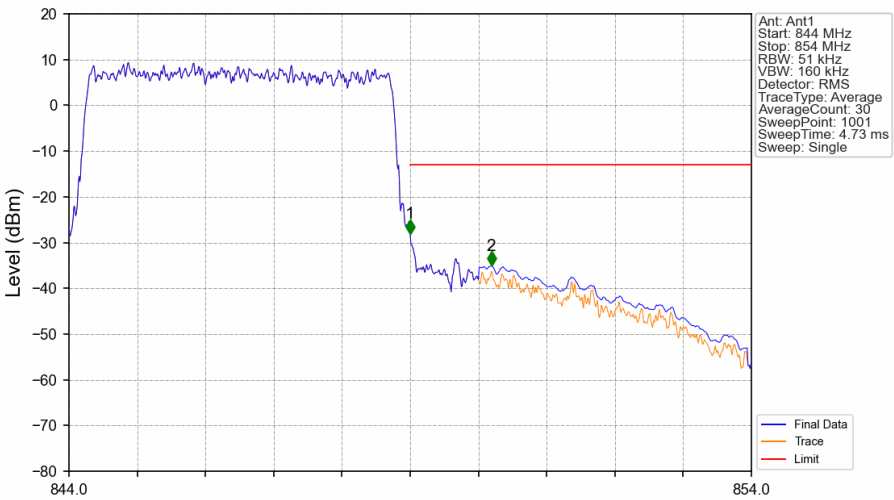


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Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTN



| Frequency (MHz) |            |           |        |            |            |             |             |        |
|-----------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| Start (MHz)     | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
| 844             | 849        | 0.051     | /      | /          | /          | /           | /           | /      |
| 849             | 850        | 0.051     | /      | 1          | 849.000    | -28.09      | -13         | Pass   |
| 850             | 854        | 0.1       | CHP    | 2          | 850.190    | -35.04      | -13         | Pass   |

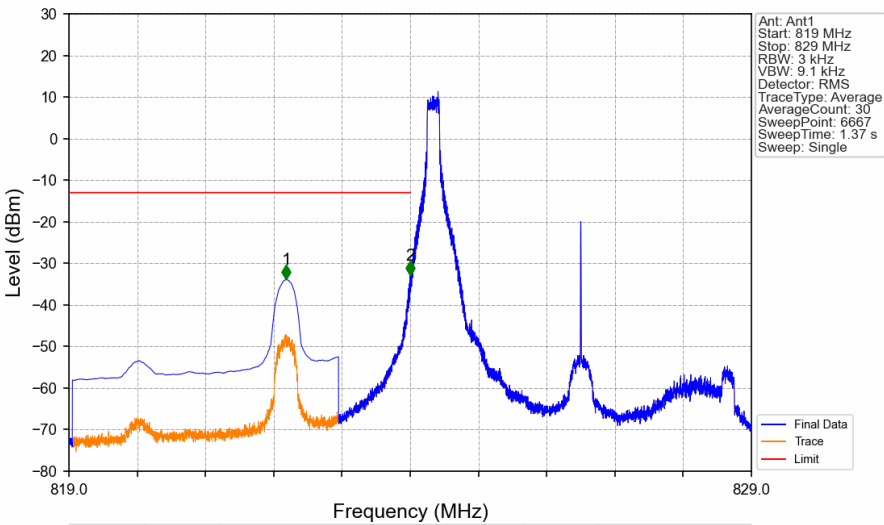


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Band5 5MHz 16QAM LCH 826.5MHz RB 1 0 NTN

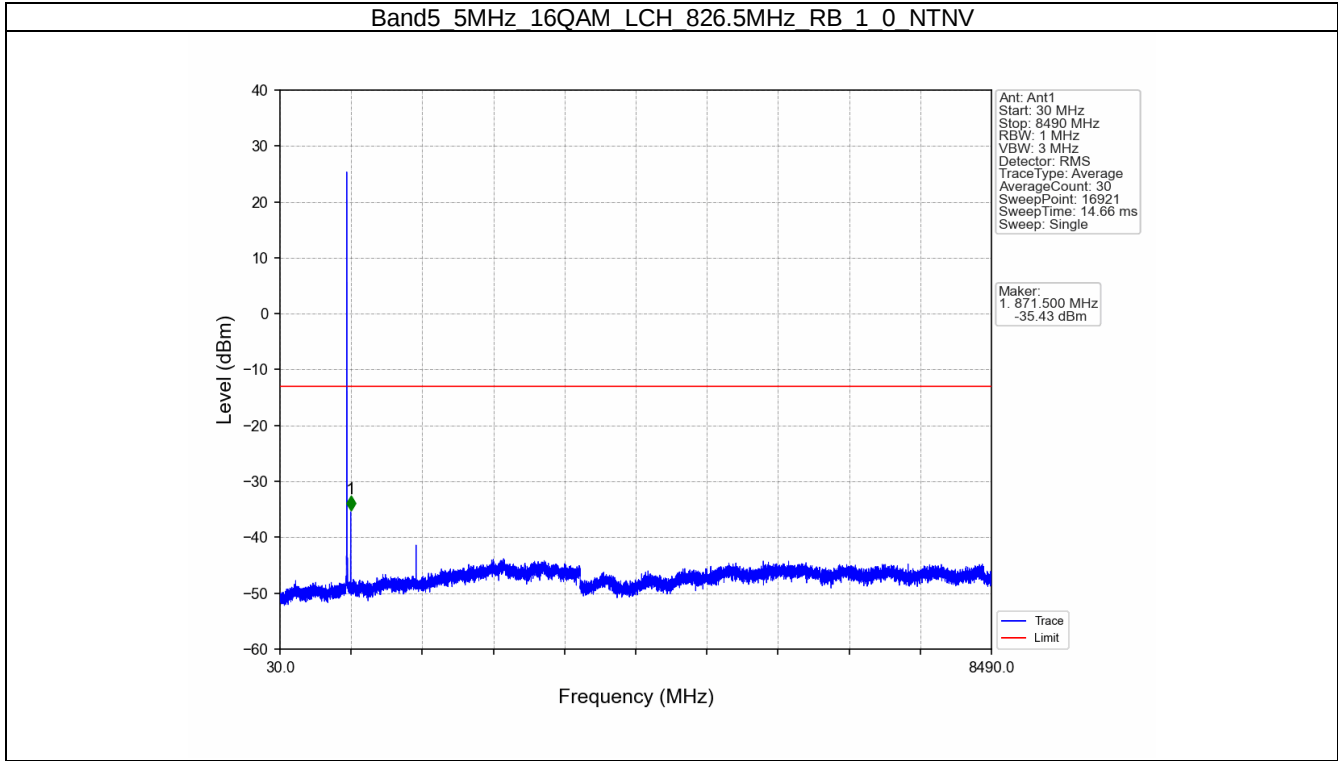


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 819         | 823        | 0.1       | CHP    | 1          | 822.182    | -33.90      | -13         | Pass   |
| 823         | 824        | 0.003     | /      | 2          | 824.000    | -32.82      | -13         | Pass   |
| 824         | 829        | 0.003     | /      | /          | /          | /           | /           | /      |



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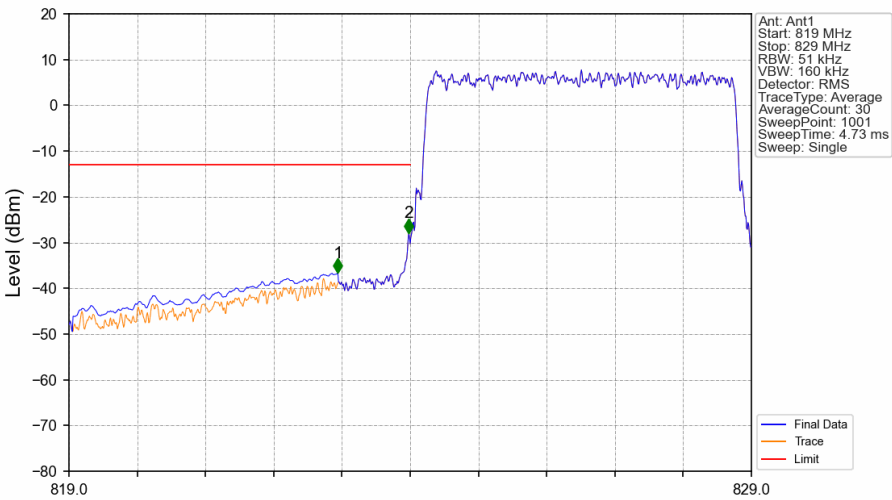


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Band5 5MHz 16QAM LCH 826.5MHz RB 25 0 NTV

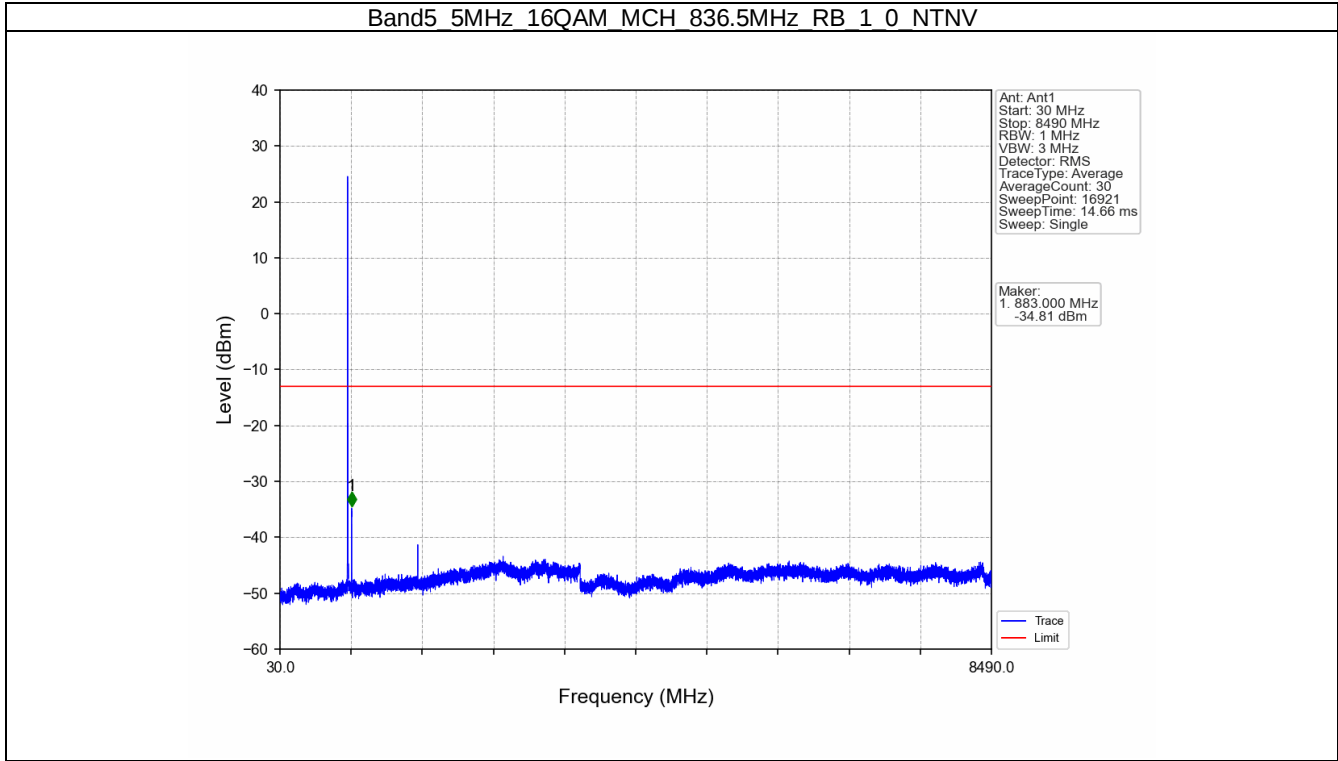


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 819         | 823        | 0.1       | CHP    | 1          | 822.940    | -36.65      | -13         | Pass   |
| 823         | 824        | 0.051     | /      | 2          | 823.980    | -27.88      | -13         | Pass   |
| 824         | 829        | 0.051     | /      | /          | /          | /           | /           | /      |



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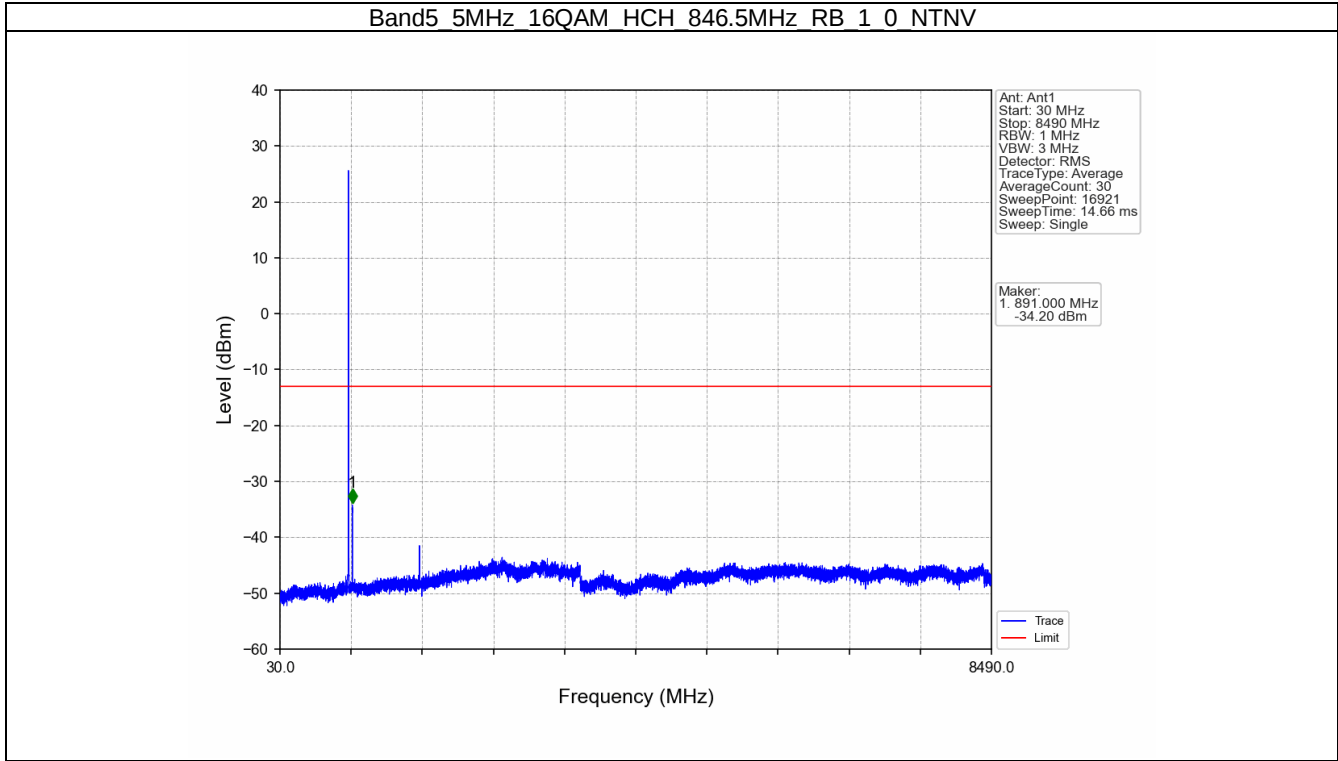
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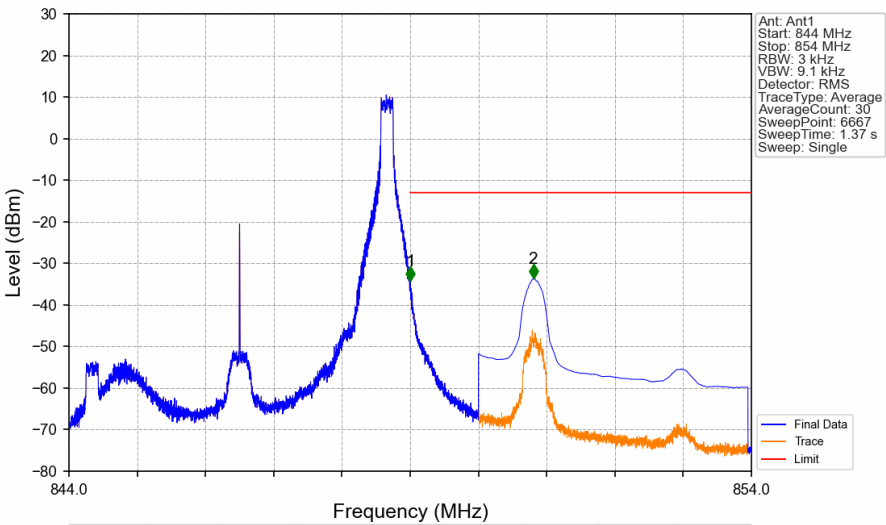


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Band5 5MHz 16QAM HCH 846.5MHz RB 1 24 NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 844         | 849        | 0.003     | /      | /          | /          | /           | /           | /      |
| 849         | 850        | 0.003     | /      | 1          | 849.001    | -34.20      | -13         | Pass   |
| 850         | 854        | 0.1       | CHP    | 2          | 850.805    | -33.70      | -13         | Pass   |

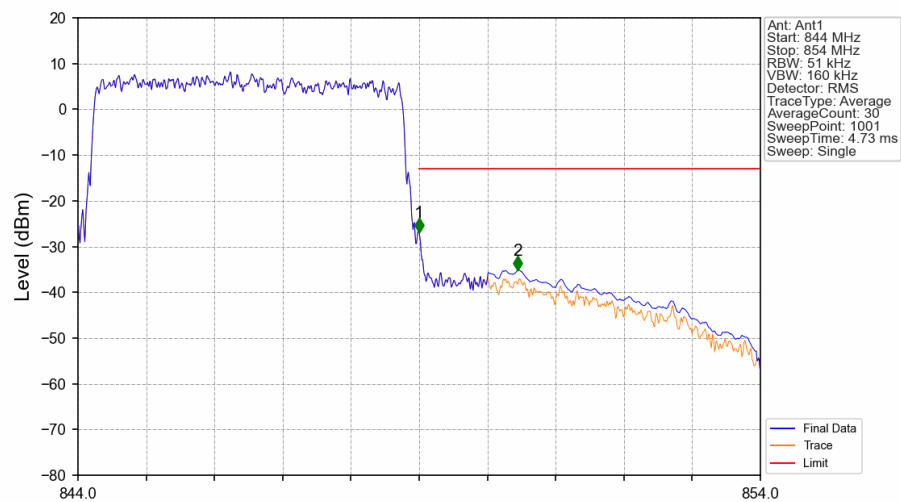


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Band5 5MHz 16QAM HCH 846.5MHz RB 25 0 NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 844         | 849        | 0.051     | /      | /          | /          | /           | /           | /      |
| 849         | 850        | 0.051     | /      | 1          | 849.000    | -26.90      | -13         | Pass   |
| 850         | 854        | 0.1       | CHP    | 2          | 850.440    | -35.16      | -13         | Pass   |

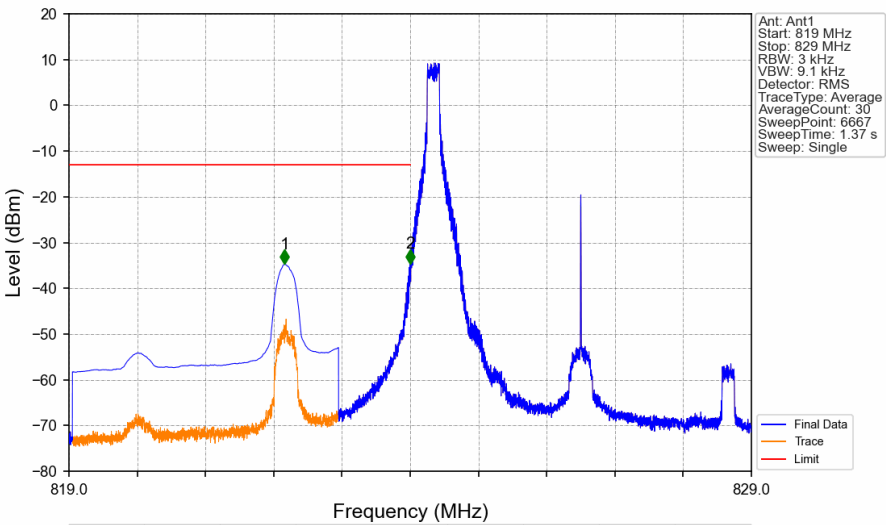


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Band5 5MHz 64QAM LCH 826.5MHz RB 1 0 NTN

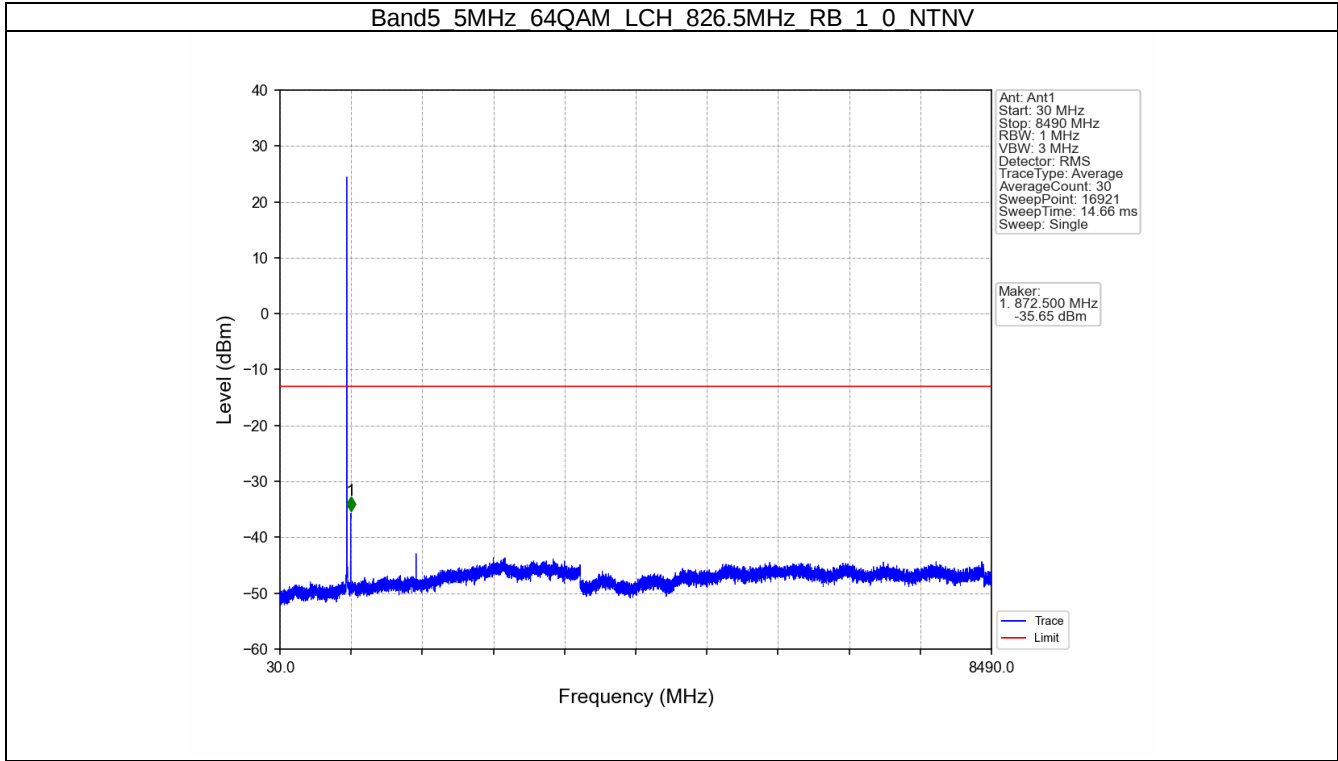


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 819         | 823        | 0.1       | CHP    | 1          | 822.161    | -34.75      | -13         | Pass   |
| 823         | 824        | 0.003     | /      | 2          | 823.999    | -34.58      | -13         | Pass   |
| 824         | 829        | 0.003     | /      | /          | /          | /           | /           | /      |



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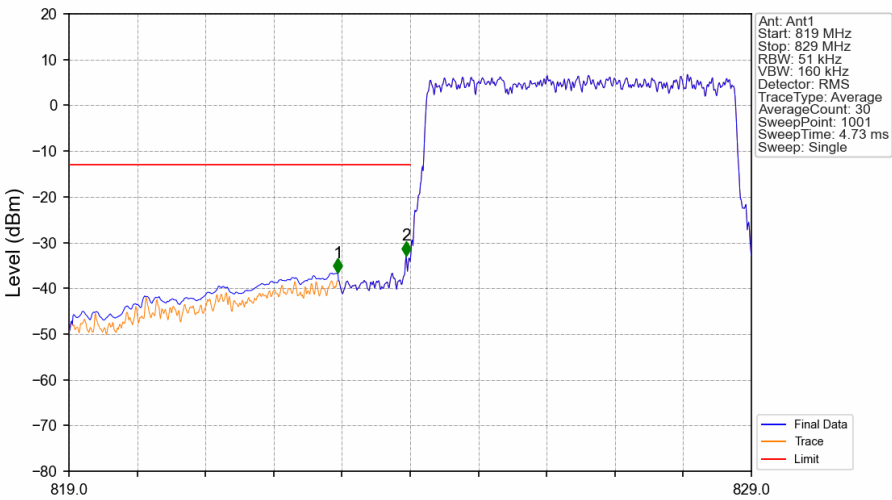


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Band5 5MHz 64QAM LCH 826.5MHz RB 25 0 NTV



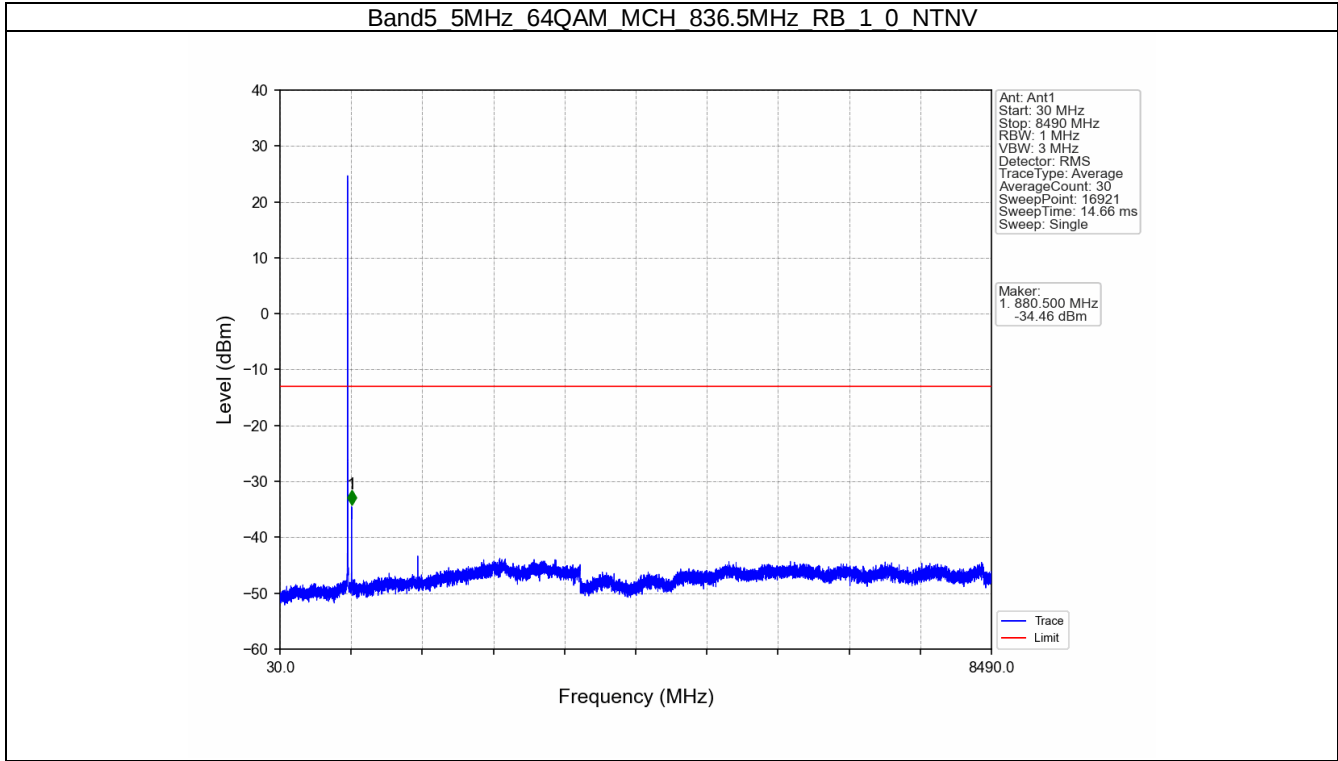
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 819         | 823        | 0.1       | CHP    | 1          | 822.940    | -36.61      | -13         | Pass   |
| 823         | 824        | 0.051     | /      | 2          | 823.940    | -32.85      | -13         | Pass   |
| 824         | 829        | 0.051     | /      | /          | /          | /           | /           | /      |



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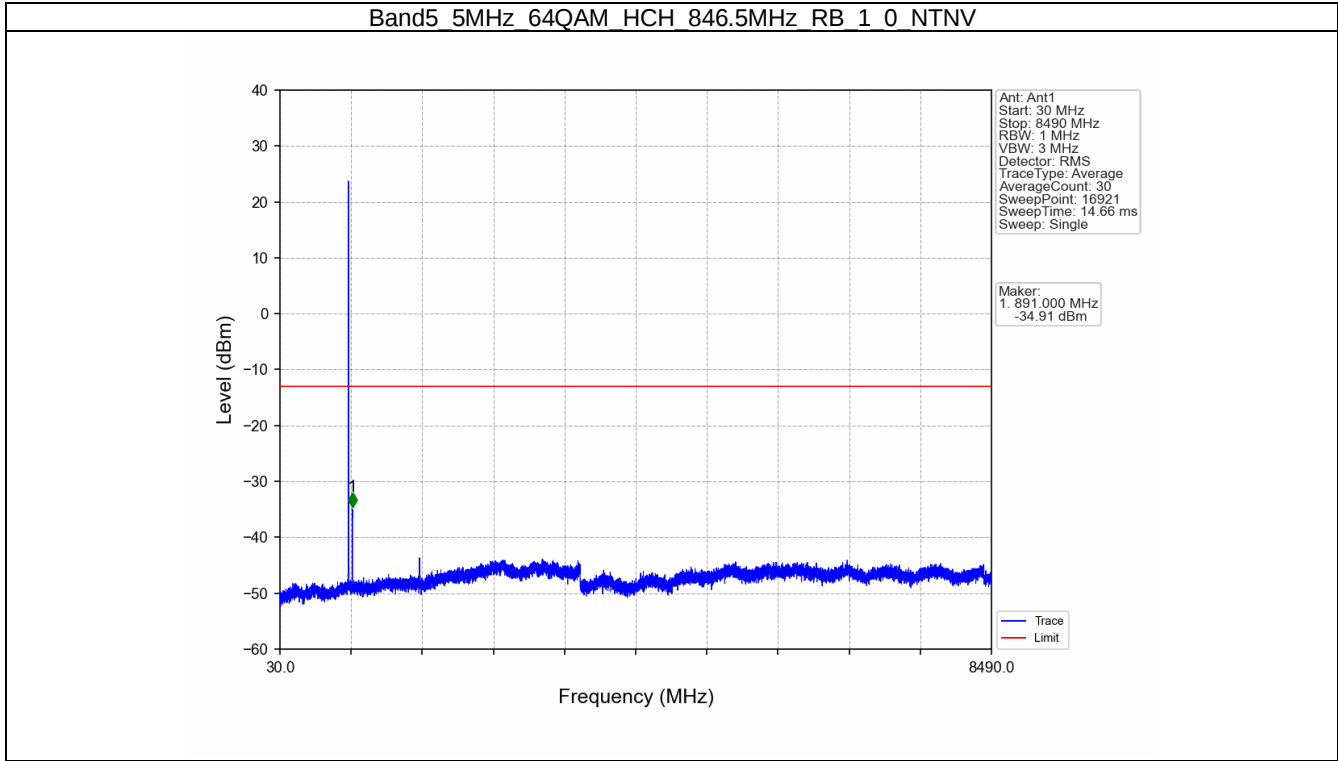
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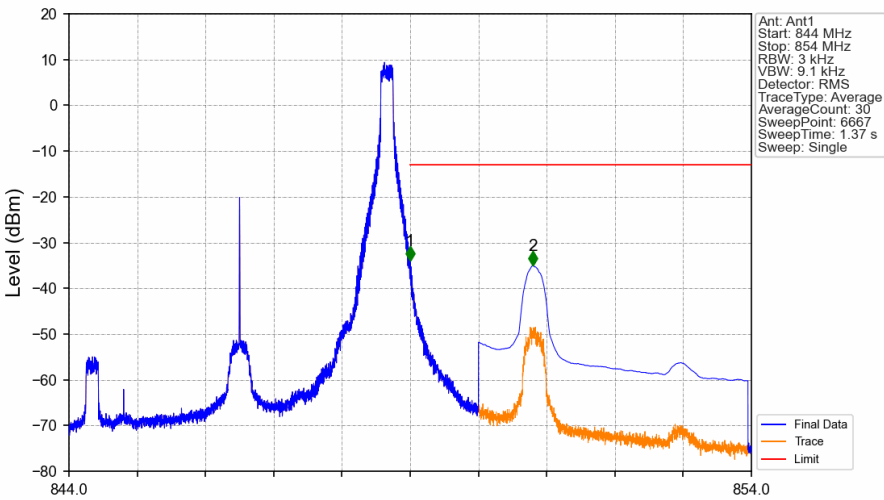


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Band5 5MHz 64QAM HCH 846.5MHz RB 1 24 NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 844         | 849        | 0.003     | /      | /          | /          | /           | /           | /      |
| 849         | 850        | 0.003     | /      | 1          | 849.000    | -33.94      | -13         | Pass   |
| 850         | 854        | 0.1       | CHP    | 2          | 850.802    | -35.04      | -13         | Pass   |

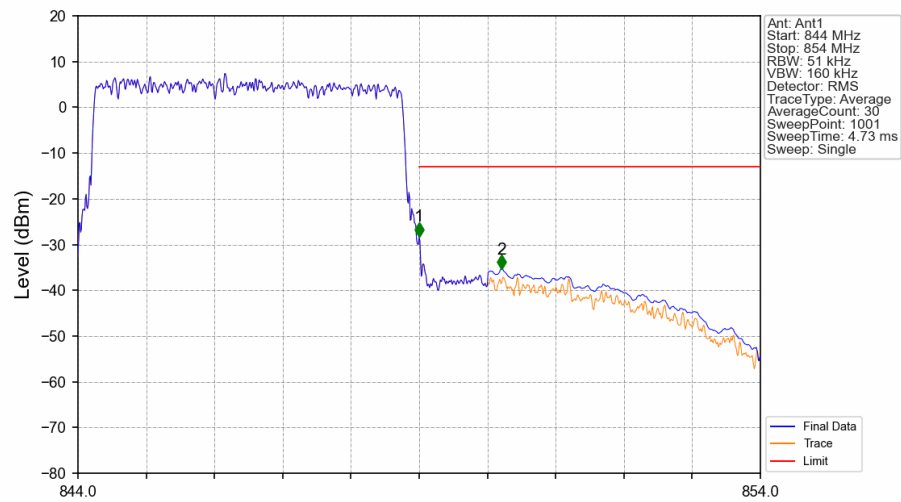


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Band5 5MHz 64QAM HCH 846.5MHz RB 25 0 NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 844         | 849        | 0.051     | /      | /          | /          | /           | /           | /      |
| 849         | 850        | 0.051     | /      | 1          | 849.000    | -28.26      | -13         | Pass   |
| 850         | 854        | 0.1       | CHP    | 2          | 850.210    | -35.34      | -13         | Pass   |



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### 4.4 B5\_10MHz

#### 4.4.1 Test Result

| Band: 5 / Bandwidth: 10MHz / NTV |                 |               |        |                     |       |         |
|----------------------------------|-----------------|---------------|--------|---------------------|-------|---------|
| Modulation                       | Frequency (MHz) | RB Allocation |        | Spurious Emission   |       | Verdict |
|                                  |                 | Size          | Offset | Result              | Limit |         |
| QPSK                             | 829             | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 | 50            | 0      | Refer To Test Graph |       | Pass    |
|                                  | 844             | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 | 1             | 49     | Refer To Test Graph |       | Pass    |
|                                  |                 | 50            | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 | 50            | 0      | Refer To Test Graph |       | Pass    |
| 16QAM                            | 829             | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 | 50            | 0      | Refer To Test Graph |       | Pass    |
|                                  | 844             | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 | 1             | 49     | Refer To Test Graph |       | Pass    |
|                                  |                 | 50            | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 | 50            | 0      | Refer To Test Graph |       | Pass    |
| 64QAM                            | 829             | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 | 50            | 0      | Refer To Test Graph |       | Pass    |
|                                  | 844             | 1             | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 | 1             | 49     | Refer To Test Graph |       | Pass    |
|                                  |                 | 50            | 0      | Refer To Test Graph |       | Pass    |
|                                  |                 | 50            | 0      | Refer To Test Graph |       | Pass    |

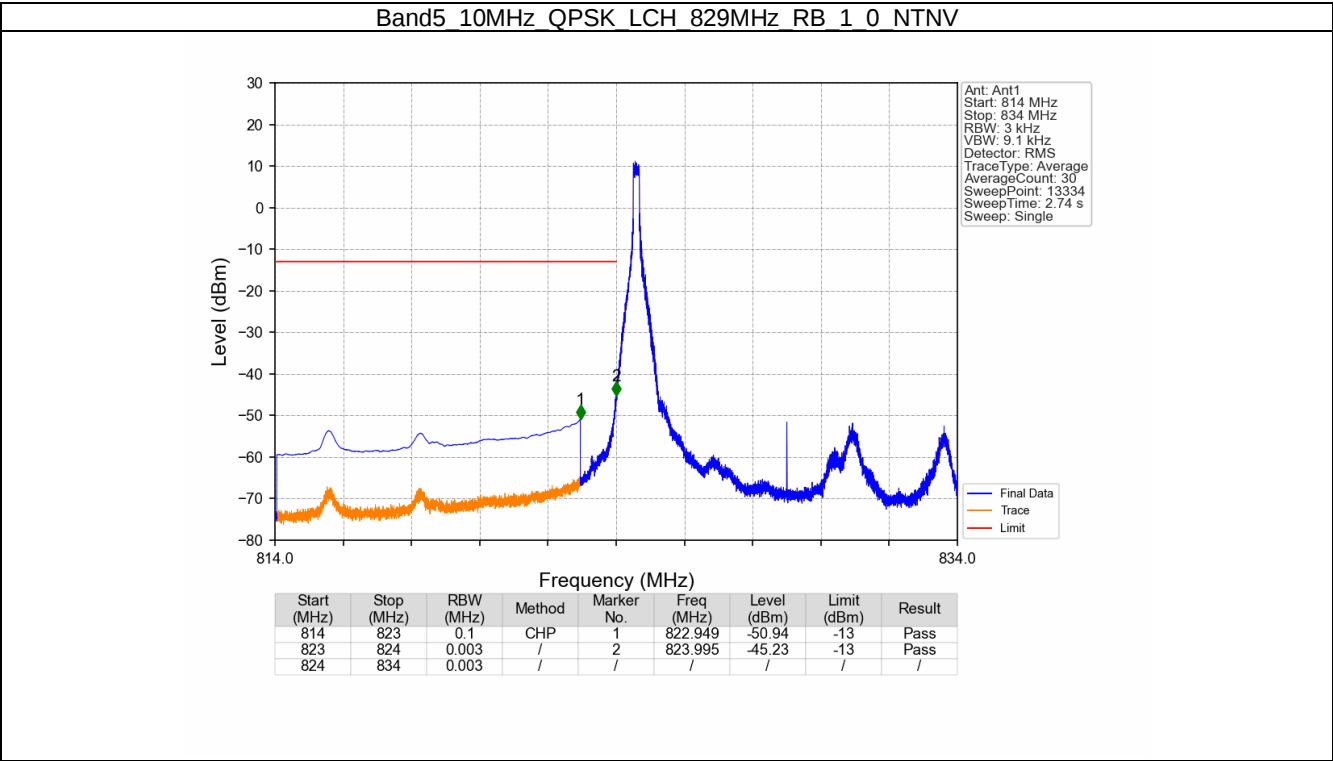


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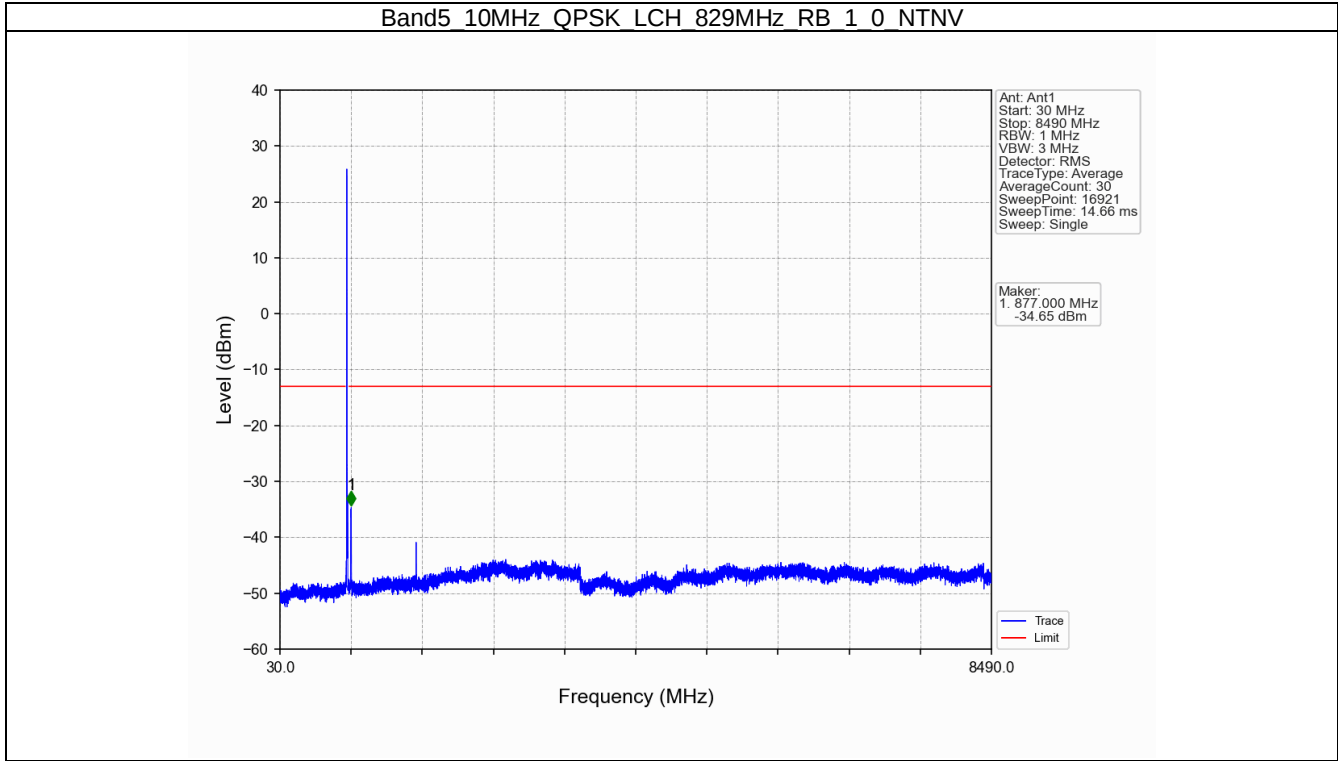
4.4.2 Test Graph





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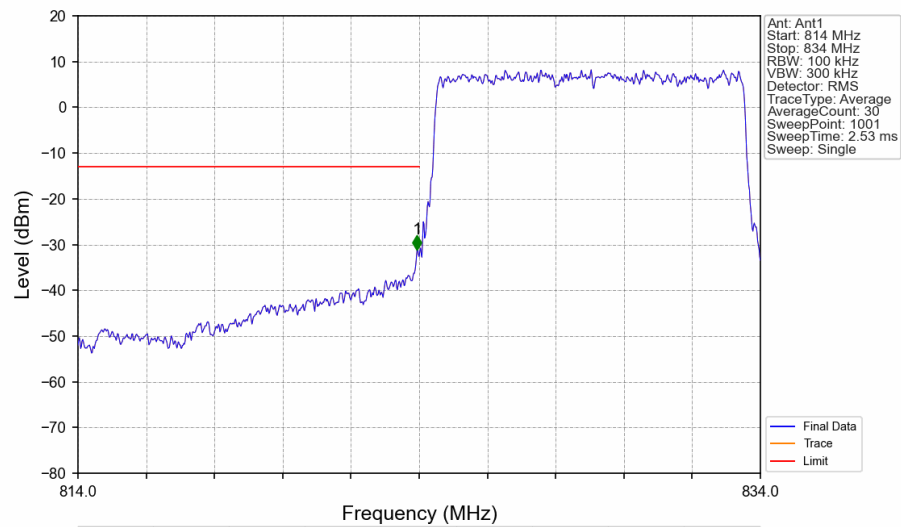


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Band5 10MHz QPSK LCH 829MHz RB 50 0 NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 814         | 824        | 0.1       | /      | 1          | 823.940    | -31.06      | -13         | Pass   |
| 824         | 834        | 0.1       | /      | /          | /          | /           | /           | /      |