

1. Transmitter Conducted Power Output

1.1 Test Result

1.1.1 B26a_1.4MHz_ERP

| Band: 26a / Bandwidth: 1.4MHz / NTV | | | | | | |
|-------------------------------------|-----------------|---------------|--------|-----------------------|-------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Conducted Power (dBm) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 814.7 | 1 | 0 | 23.95 | <=50 | Pass |
| | | | 2 | 23.91 | <=50 | Pass |
| | | | 5 | 23.74 | <=50 | Pass |
| | | 3 | 0 | 23.89 | <=50 | Pass |
| | | | 2 | 23.92 | <=50 | Pass |
| | | | 3 | 23.88 | <=50 | Pass |
| | 819 | 1 | 0 | 22.91 | <=50 | Pass |
| | | | 0 | 23.76 | <=50 | Pass |
| | | | 2 | 23.81 | <=50 | Pass |
| | | 3 | 5 | 23.85 | <=50 | Pass |
| | | | 0 | 23.94 | <=50 | Pass |
| | | | 2 | 23.93 | <=50 | Pass |
| | 823.3 | 1 | 3 | 23.94 | <=50 | Pass |
| | | | 6 | 22.94 | <=50 | Pass |
| | | 3 | 0 | 23.78 | <=50 | Pass |
| | | | 2 | 23.49 | <=50 | Pass |
| | | | 5 | 23.85 | <=50 | Pass |
| 16QAM | 814.7 | 1 | 0 | 23.87 | <=50 | Pass |
| | | | 2 | 23.92 | <=50 | Pass |
| | | | 5 | 23.84 | <=50 | Pass |
| | | 3 | 0 | 22.88 | <=50 | Pass |
| | | | 2 | 23.78 | <=50 | Pass |
| | | | 5 | 22.97 | <=50 | Pass |
| | 819 | 1 | 0 | 22.72 | <=50 | Pass |
| | | | 2 | 22.66 | <=50 | Pass |
| | | | 3 | 22.81 | <=50 | Pass |
| | | 3 | 6 | 21.97 | <=50 | Pass |
| | | | 0 | 23.07 | <=50 | Pass |
| | | | 2 | 22.84 | <=50 | Pass |
| | 823.3 | 1 | 5 | 23.06 | <=50 | Pass |
| | | | 0 | 22.96 | <=50 | Pass |
| | | | 2 | 22.86 | <=50 | Pass |
| | | 3 | 3 | 22.95 | <=50 | Pass |
| | | | 6 | 21.99 | <=50 | Pass |
| | | | 0 | 22.90 | <=50 | Pass |
| 64QAM | 814.7 | 1 | 2 | 23.01 | <=50 | Pass |
| | | | 5 | 23.03 | <=50 | Pass |
| | | | 0 | 22.87 | <=50 | Pass |
| | | 3 | 2 | 22.81 | <=50 | Pass |
| | | | 3 | 22.89 | <=50 | Pass |
| | | | 6 | 21.97 | <=50 | Pass |
| 64QAM | 814.7 | 1 | 0 | 21.71 | <=50 | Pass |
| | | | 2 | 21.10 | <=50 | Pass |
| | | | 5 | 21.99 | <=50 | Pass |
| | | 3 | 0 | 21.98 | <=50 | Pass |
| | | | 2 | 21.98 | <=50 | Pass |
| | | | 3 | 21.93 | <=50 | Pass |
| | | 6 | 0 | 20.82 | <=50 | Pass |

| | | | | | | |
|--------|-------|---|---|-------|------|------|
| | 819 | 1 | 0 | 21.81 | <=50 | Pass |
| | | | 2 | 21.75 | <=50 | Pass |
| | | | 5 | 21.75 | <=50 | Pass |
| | | 3 | 0 | 22.03 | <=50 | Pass |
| | | | 2 | 22.01 | <=50 | Pass |
| | | | 3 | 22.04 | <=50 | Pass |
| | | | 6 | 20.83 | <=50 | Pass |
| | 823.3 | 1 | 0 | 21.66 | <=50 | Pass |
| | | | 2 | 21.72 | <=50 | Pass |
| | | | 5 | 21.86 | <=50 | Pass |
| | | 3 | 0 | 21.99 | <=50 | Pass |
| | | | 2 | 21.99 | <=50 | Pass |
| | | | 3 | 22.02 | <=50 | Pass |
| | | | 6 | 20.84 | <=50 | Pass |
| 256QAM | 814.7 | 1 | 0 | 19.02 | <=50 | Pass |
| | | | 2 | 19.04 | <=50 | Pass |
| | | | 5 | 18.94 | <=50 | Pass |
| | | 3 | 0 | 19.00 | <=50 | Pass |
| | | | 2 | 18.98 | <=50 | Pass |
| | | | 3 | 18.99 | <=50 | Pass |
| | | | 6 | 18.69 | <=50 | Pass |
| | 819 | 1 | 0 | 18.91 | <=50 | Pass |
| | | | 2 | 19.01 | <=50 | Pass |
| | | | 5 | 18.93 | <=50 | Pass |
| | | 3 | 0 | 18.91 | <=50 | Pass |
| | | | 2 | 18.85 | <=50 | Pass |
| | | | 3 | 18.87 | <=50 | Pass |
| | | | 6 | 18.84 | <=50 | Pass |
| | 823.3 | 1 | 0 | 18.97 | <=50 | Pass |
| | | | 2 | 19.00 | <=50 | Pass |
| | | | 5 | 18.96 | <=50 | Pass |
| | | 3 | 0 | 18.95 | <=50 | Pass |
| | | | 2 | 18.96 | <=50 | Pass |
| | | | 3 | 18.95 | <=50 | Pass |
| | | | 6 | 18.80 | <=50 | Pass |

1.1.2 B26a_3MHz_ERP

| Band: 26a / Bandwidth: 3MHz / NTNv | | | | | | | |
|------------------------------------|-----------------|---------------|--------|-----------------------|-------|---------|--|
| Modulation | Frequency (MHz) | RB Allocation | | Conducted Power (dBm) | | Verdict | |
| | | Size | Offset | Result | Limit | | |
| QPSK | 815.5 | 1 | 0 | 23.63 | <=50 | Pass | |
| | | | 7 | 23.77 | <=50 | Pass | |
| | | | 14 | 23.83 | <=50 | Pass | |
| | | 8 | 0 | 22.85 | <=50 | Pass | |
| | | | 4 | 22.88 | <=50 | Pass | |
| | 819 | | 7 | 22.87 | <=50 | Pass | |
| | | | 15 | 22.89 | <=50 | Pass | |
| | 1 | 0 | 23.73 | <=50 | Pass | | |
| | | 7 | 23.83 | <=50 | Pass | | |
| | | 14 | 23.73 | <=50 | Pass | | |
| | 822.5 | 8 | 0 | 22.88 | <=50 | Pass | |
| | | | 4 | 22.93 | <=50 | Pass | |
| | | | 7 | 22.91 | <=50 | Pass | |
| | | 15 | 0 | 22.93 | <=50 | Pass | |
| | | | 0 | 23.80 | <=50 | Pass | |
| | | 1 | 7 | 23.76 | <=50 | Pass | |

| | | | | | | |
|--------|-------|----|----|-------|-------|------|
| | | | 14 | 23.79 | <=50 | Pass |
| 16QAM | 815.5 | 8 | 0 | 22.88 | <=50 | Pass |
| | | | 4 | 22.86 | <=50 | Pass |
| | | | 7 | 22.88 | <=50 | Pass |
| | | | 15 | 0 | 22.92 | <=50 |
| | | | 0 | 22.93 | <=50 | Pass |
| | 819 | 1 | 7 | 23.08 | <=50 | Pass |
| | | | 14 | 22.68 | <=50 | Pass |
| | | | 0 | 21.88 | <=50 | Pass |
| | | 8 | 4 | 21.93 | <=50 | Pass |
| | | | 7 | 21.95 | <=50 | Pass |
| | | | 15 | 0 | 21.90 | <=50 |
| | 822.5 | 1 | 0 | 23.01 | <=50 | Pass |
| | | | 7 | 22.98 | <=50 | Pass |
| | | | 14 | 22.92 | <=50 | Pass |
| | | 8 | 0 | 21.93 | <=50 | Pass |
| | | | 4 | 21.97 | <=50 | Pass |
| | | | 7 | 21.97 | <=50 | Pass |
| | | 15 | 0 | 21.91 | <=50 | Pass |
| 64QAM | 815.5 | 1 | 0 | 23.06 | <=50 | Pass |
| | | | 7 | 23.00 | <=50 | Pass |
| | | | 14 | 23.00 | <=50 | Pass |
| | | 8 | 0 | 21.94 | <=50 | Pass |
| | | | 4 | 21.90 | <=50 | Pass |
| | 819 | 1 | 7 | 21.97 | <=50 | Pass |
| | | | 14 | 21.99 | <=50 | Pass |
| | | | 0 | 20.94 | <=50 | Pass |
| | | 8 | 4 | 20.88 | <=50 | Pass |
| | | | 7 | 20.93 | <=50 | Pass |
| | | 15 | 0 | 20.89 | <=50 | Pass |
| | 822.5 | 1 | 0 | 21.97 | <=50 | Pass |
| | | | 7 | 21.79 | <=50 | Pass |
| | | | 14 | 21.99 | <=50 | Pass |
| | | 8 | 0 | 21.00 | <=50 | Pass |
| | | | 4 | 21.00 | <=50 | Pass |
| | | | 7 | 21.00 | <=50 | Pass |
| | | 15 | 0 | 20.94 | <=50 | Pass |
| 256QAM | 815.5 | 1 | 0 | 21.94 | <=50 | Pass |
| | | | 7 | 22.01 | <=50 | Pass |
| | | | 14 | 21.88 | <=50 | Pass |
| | | 8 | 0 | 20.98 | <=50 | Pass |
| | | | 4 | 20.96 | <=50 | Pass |
| | 819 | 1 | 7 | 20.94 | <=50 | Pass |
| | | | 14 | 20.69 | <=50 | Pass |
| | | | 0 | 20.69 | <=50 | Pass |
| | | 8 | 4 | 20.69 | <=50 | Pass |
| | | | 7 | 20.69 | <=50 | Pass |
| | | 15 | 0 | 18.93 | <=50 | Pass |
| | 819 | 1 | 0 | 18.95 | <=50 | Pass |
| | | | 7 | 18.94 | <=50 | Pass |
| | | | 14 | 18.95 | <=50 | Pass |
| | | 8 | 0 | 18.91 | <=50 | Pass |
| | | | 4 | 18.87 | <=50 | Pass |

| | | | | | | |
|-------|---|----|-------|-------|------|------|
| | | | 7 | 18.93 | <=50 | Pass |
| | | 15 | 0 | 18.86 | <=50 | Pass |
| 822.5 | 1 | 0 | 18.99 | <=50 | Pass | |
| | | 7 | 18.94 | <=50 | Pass | |
| | | 14 | 18.89 | <=50 | Pass | |
| | 8 | 0 | 18.97 | <=50 | Pass | |
| | | 4 | 18.89 | <=50 | Pass | |
| | | 7 | 18.93 | <=50 | Pass | |
| | | 15 | 0 | 18.91 | <=50 | Pass |
| | | | | | | |
| | | | | | | |
| | | | | | | |

1.1.3 B26a_5MHz_ERP

| Band: 26a / Bandwidth: 5MHz / NNTV | | | | | | |
|------------------------------------|-----------------|---------------|--------|-----------------------|-------|---------|
| Modulation | Frequency (MHz) | RB Allocation | | Conducted Power (dBm) | | Verdict |
| | | Size | Offset | Result | Limit | |
| QPSK | 816.5 | 1 | 0 | 23.82 | <=50 | Pass |
| | | | 13 | 23.67 | <=50 | Pass |
| | | | 24 | 23.89 | <=50 | Pass |
| | | 12 | 0 | 22.90 | <=50 | Pass |
| | | | 6 | 22.88 | <=50 | Pass |
| | | | 13 | 22.60 | <=50 | Pass |
| | | 25 | 0 | 22.54 | <=50 | Pass |
| | 819 | 1 | 0 | 23.87 | <=50 | Pass |
| | | | 13 | 23.80 | <=50 | Pass |
| | | | 24 | 23.86 | <=50 | Pass |
| | | 12 | 0 | 22.94 | <=50 | Pass |
| | | | 6 | 22.93 | <=50 | Pass |
| | | | 13 | 22.93 | <=50 | Pass |
| | | 25 | 0 | 22.96 | <=50 | Pass |
| | 821.5 | 1 | 0 | 23.91 | <=50 | Pass |
| | | | 13 | 23.80 | <=50 | Pass |
| | | | 24 | 23.61 | <=50 | Pass |
| | | 12 | 0 | 22.93 | <=50 | Pass |
| | | | 6 | 22.30 | <=50 | Pass |
| | | | 13 | 22.47 | <=50 | Pass |
| | | 25 | 0 | 22.94 | <=50 | Pass |
| 16QAM | 816.5 | 1 | 0 | 23.03 | <=50 | Pass |
| | | | 13 | 22.95 | <=50 | Pass |
| | | | 24 | 22.99 | <=50 | Pass |
| | | 12 | 0 | 21.92 | <=50 | Pass |
| | | | 6 | 21.89 | <=50 | Pass |
| | | | 13 | 21.89 | <=50 | Pass |
| | | 25 | 0 | 21.96 | <=50 | Pass |
| | 819 | 1 | 0 | 22.94 | <=50 | Pass |
| | | | 13 | 23.07 | <=50 | Pass |
| | | | 24 | 22.83 | <=50 | Pass |
| | | 12 | 0 | 21.94 | <=50 | Pass |
| | | | 6 | 21.95 | <=50 | Pass |
| | | | 13 | 21.94 | <=50 | Pass |
| | | 25 | 0 | 21.96 | <=50 | Pass |
| | 821.5 | 1 | 0 | 22.98 | <=50 | Pass |
| | | | 13 | 23.08 | <=50 | Pass |
| | | | 24 | 22.63 | <=50 | Pass |
| | | 12 | 0 | 21.95 | <=50 | Pass |
| | | | 6 | 21.91 | <=50 | Pass |
| | | | 13 | 21.90 | <=50 | Pass |
| | | 25 | 0 | 21.95 | <=50 | Pass |

| | | | | | | |
|--------|-------|----|----|-------|------|------|
| 64QAM | 816.5 | 1 | 0 | 21.96 | <=50 | Pass |
| | | | 13 | 21.70 | <=50 | Pass |
| | | | 24 | 21.72 | <=50 | Pass |
| | | 12 | 0 | 20.97 | <=50 | Pass |
| | | | 6 | 20.96 | <=50 | Pass |
| | | | 13 | 20.98 | <=50 | Pass |
| | | | 25 | 20.92 | <=50 | Pass |
| | 819 | 1 | 0 | 21.78 | <=50 | Pass |
| | | | 13 | 21.30 | <=50 | Pass |
| | | | 24 | 21.95 | <=50 | Pass |
| | | 12 | 0 | 20.94 | <=50 | Pass |
| | | | 6 | 20.98 | <=50 | Pass |
| | | | 13 | 20.94 | <=50 | Pass |
| | | | 25 | 20.95 | <=50 | Pass |
| | 821.5 | 1 | 0 | 22.07 | <=50 | Pass |
| | | | 13 | 21.68 | <=50 | Pass |
| | | | 24 | 21.71 | <=50 | Pass |
| | | 12 | 0 | 20.99 | <=50 | Pass |
| | | | 6 | 20.95 | <=50 | Pass |
| | | | 13 | 20.91 | <=50 | Pass |
| | | | 25 | 20.92 | <=50 | Pass |
| 256QAM | 816.5 | 1 | 0 | 18.94 | <=50 | Pass |
| | | | 13 | 18.90 | <=50 | Pass |
| | | | 24 | 18.74 | <=50 | Pass |
| | | 12 | 0 | 18.92 | <=50 | Pass |
| | | | 6 | 18.90 | <=50 | Pass |
| | | | 13 | 18.91 | <=50 | Pass |
| | 819 | 25 | 0 | 18.89 | <=50 | Pass |
| | | | 0 | 18.84 | <=50 | Pass |
| | | | 13 | 18.91 | <=50 | Pass |
| | | 12 | 24 | 18.81 | <=50 | Pass |
| | | | 0 | 18.88 | <=50 | Pass |
| | | | 6 | 18.87 | <=50 | Pass |
| | 821.5 | 25 | 13 | 18.94 | <=50 | Pass |
| | | | 0 | 18.92 | <=50 | Pass |
| | | | 13 | 18.71 | <=50 | Pass |
| | | 1 | 13 | 18.89 | <=50 | Pass |
| | | | 24 | 18.95 | <=50 | Pass |
| | | | 0 | 18.93 | <=50 | Pass |

1.1.4 B26a_10MHz_ERP

| Modulation | Frequency (MHz) | Band: 26a / Bandwidth: 10MHz / NTV | | | | Verdict | |
|------------|-----------------|------------------------------------|------|--------|-----------------------|---------|------|
| | | RB Allocation | Size | Offset | Conducted Power (dBm) | | |
| QPSK | 819 | 1 | 0 | | 23.89 | <=50 | Pass |
| | | | 25 | | 23.84 | <=50 | Pass |
| | | | 49 | | 23.81 | <=50 | Pass |
| | | 25 | 0 | | 22.90 | <=50 | Pass |
| | | | 13 | | 22.95 | <=50 | Pass |
| | | | 25 | | 22.90 | <=50 | Pass |
| 16QAM | 819 | 1 | 50 | 0 | 22.84 | <=50 | Pass |
| | | | 0 | | 22.61 | <=50 | Pass |
| | | | 25 | | 23.02 | <=50 | Pass |

| | | | | | | |
|----|--------|-----|----|-------|------|------|
| | | | 49 | 23.00 | <=50 | Pass |
| 25 | 64QAM | 819 | 0 | 21.90 | <=50 | Pass |
| | | | 13 | 21.89 | <=50 | Pass |
| | | | 25 | 21.92 | <=50 | Pass |
| | | | 50 | 0 | <=50 | Pass |
| | | | 0 | 21.94 | <=50 | Pass |
| 25 | 256QAM | 819 | 1 | 21.93 | <=50 | Pass |
| | | | 49 | 21.95 | <=50 | Pass |
| | | | 0 | 20.89 | <=50 | Pass |
| | | | 13 | 20.92 | <=50 | Pass |
| | | | 25 | 20.89 | <=50 | Pass |
| 50 | | | 50 | 0 | <=50 | Pass |
| | | | 0 | 19.06 | <=50 | Pass |
| | | | 25 | 18.96 | <=50 | Pass |
| | | | 49 | 18.93 | <=50 | Pass |
| | | | 0 | 18.83 | <=50 | Pass |
| 25 | | | 25 | 18.87 | <=50 | Pass |
| | | | 25 | 18.83 | <=50 | Pass |
| | | | 50 | 0 | <=50 | Pass |
| | | | 50 | 18.87 | <=50 | Pass |

2. Frequency Stability

2.1 Test Result

2.1.1 B26a_10MHz

| Modulation | Frequency (MHz) | Band: 26a / Bandwidth: 10MHz | | | | | | Verdict | |
|------------|-----------------|------------------------------|--------|------------|---------------|------------------|-----------------------|-------------|------|
| | | RB Allocation | | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) | | |
| | | Size | Offset | | | | Result | Limit | |
| QPSK | 819 | 50 | 0 | 20 | 3.8 | -3.700 | -0.0045 | -2.5 to 2.5 | Pass |
| | | | | | 4 | -1.300 | -0.0016 | -2.5 to 2.5 | Pass |
| | | | | | 4.2 | -2.500 | -0.0031 | -2.5 to 2.5 | Pass |
| | | | | -30 | 4 | -0.900 | -0.0011 | -2.5 to 2.5 | Pass |
| | | | | -20 | 4 | -6.300 | -0.0077 | -2.5 to 2.5 | Pass |
| | | | | -10 | 4 | -4.100 | -0.0050 | -2.5 to 2.5 | Pass |
| | | | | 0 | 4 | -4.900 | -0.0060 | -2.5 to 2.5 | Pass |
| | | | | 10 | 4 | -4.100 | -0.0050 | -2.5 to 2.5 | Pass |
| | | | | 30 | 4 | -2.800 | -0.0034 | -2.5 to 2.5 | Pass |
| | | | | 40 | 4 | -4.800 | -0.0059 | -2.5 to 2.5 | Pass |
| | | | | 50 | 4 | -6.600 | -0.0081 | -2.5 to 2.5 | Pass |

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band26a_OBW

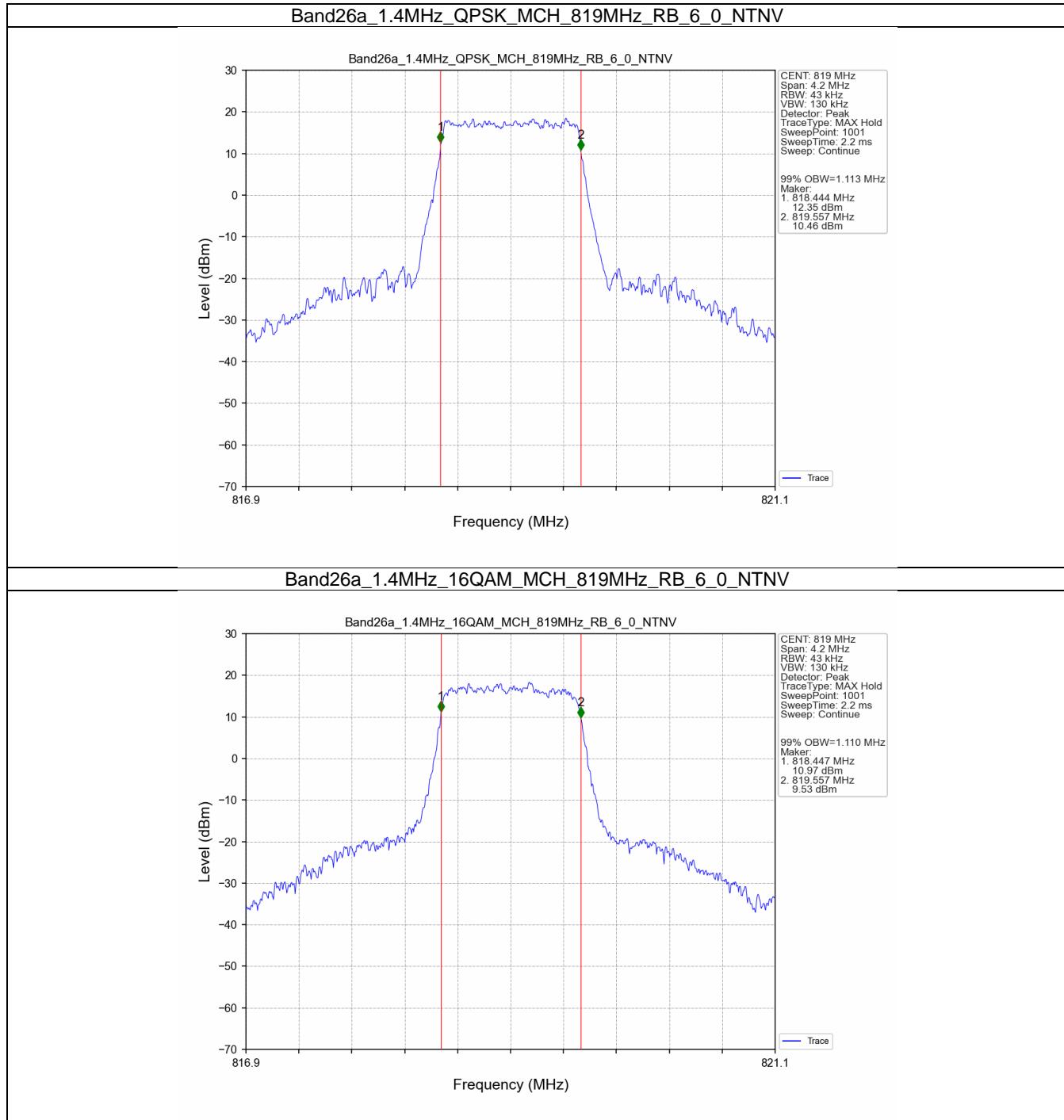
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation | | 99% Occupied Bandwidth (MHz) | | Verdict |
|-----------------|------------|-----------------|---------------|--------|------------------------------|-------|---------|
| | | | Size | Offset | Result | Limit | |
| 1.4 | QPSK | 819 | 6 | 0 | 1.113 | / | Pass |
| | 16QAM | 819 | 6 | 0 | 1.110 | / | Pass |
| 3 | QPSK | 819 | 15 | 0 | 2.719 | / | Pass |
| | 16QAM | 819 | 15 | 0 | 2.719 | / | Pass |
| 5 | QPSK | 819 | 25 | 0 | 4.537 | / | Pass |
| | 16QAM | 819 | 25 | 0 | 4.544 | / | Pass |
| 10 | QPSK | 819 | 50 | 0 | 9.048 | / | Pass |
| | 16QAM | 819 | 50 | 0 | 8.996 | / | Pass |

3.1.2 Band26a_XDB

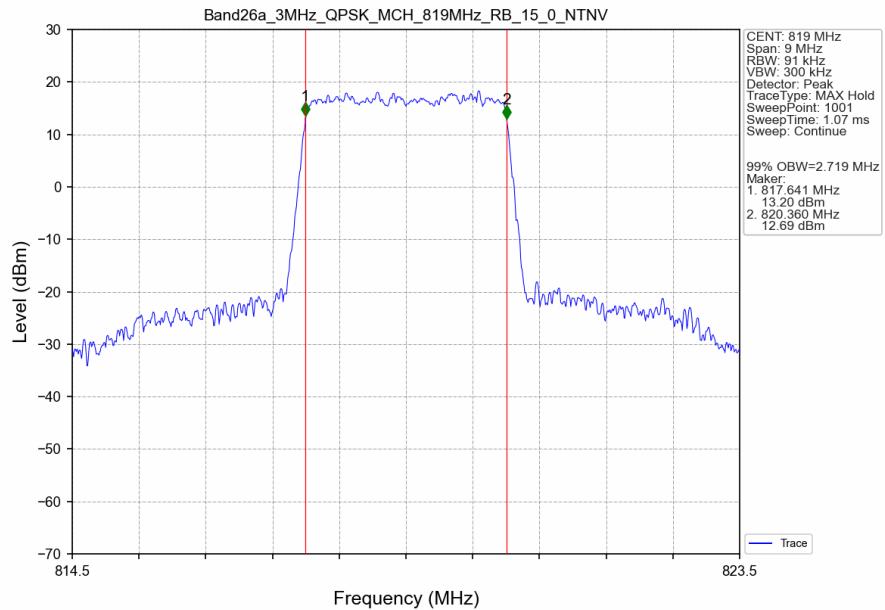
| Bandwidth (MHz) | Modulation | Frequency (MHz) | RB Allocation | | 26dB Bandwidth (MHz) | | Verdict |
|-----------------|------------|-----------------|---------------|--------|----------------------|-------|---------|
| | | | Size | Offset | Result | Limit | |
| 1.4 | QPSK | 819 | 6 | 0 | 1.338 | / | Pass |
| | 16QAM | 819 | 6 | 0 | 1.309 | / | Pass |
| 3 | QPSK | 819 | 15 | 0 | 3.025 | / | Pass |
| | 16QAM | 819 | 15 | 0 | 3.028 | / | Pass |
| 5 | QPSK | 819 | 25 | 0 | 5.057 | / | Pass |
| | 16QAM | 819 | 25 | 0 | 5.045 | / | Pass |
| 10 | QPSK | 819 | 50 | 0 | 9.805 | / | Pass |
| | 16QAM | 819 | 50 | 0 | 9.898 | / | Pass |

3.2 Test Graph

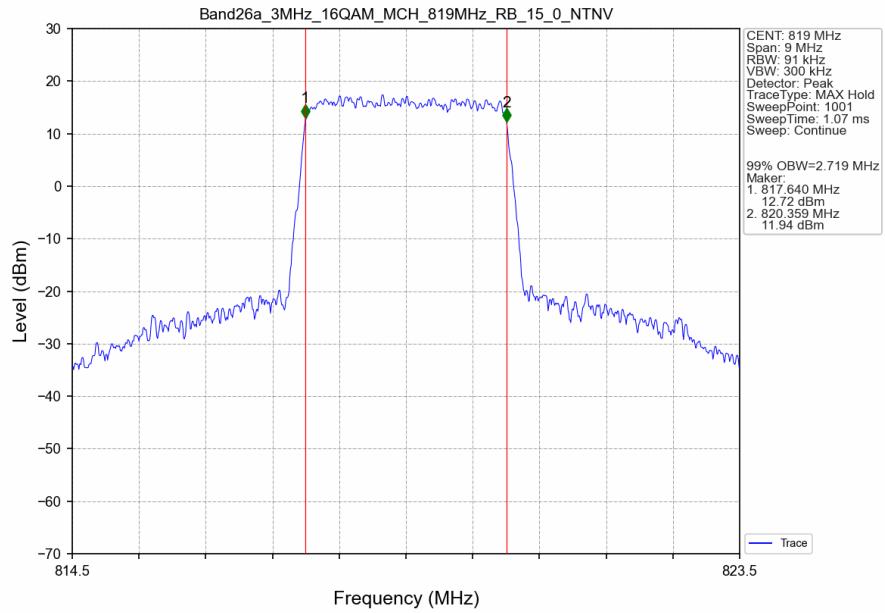
3.2.1 Band26a_OBW



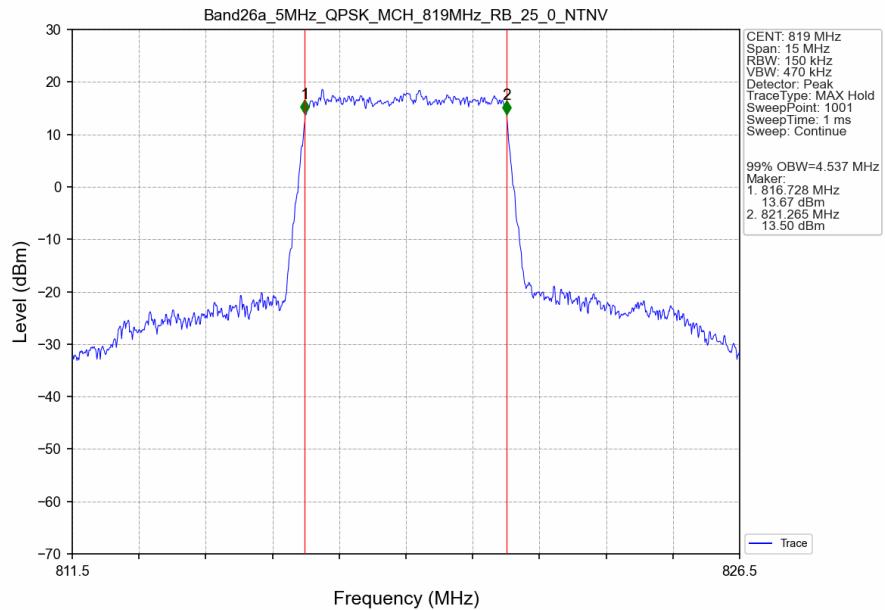
Band26a_3MHz_QPSK_MCH_819MHz_RB_15_0_NTNV



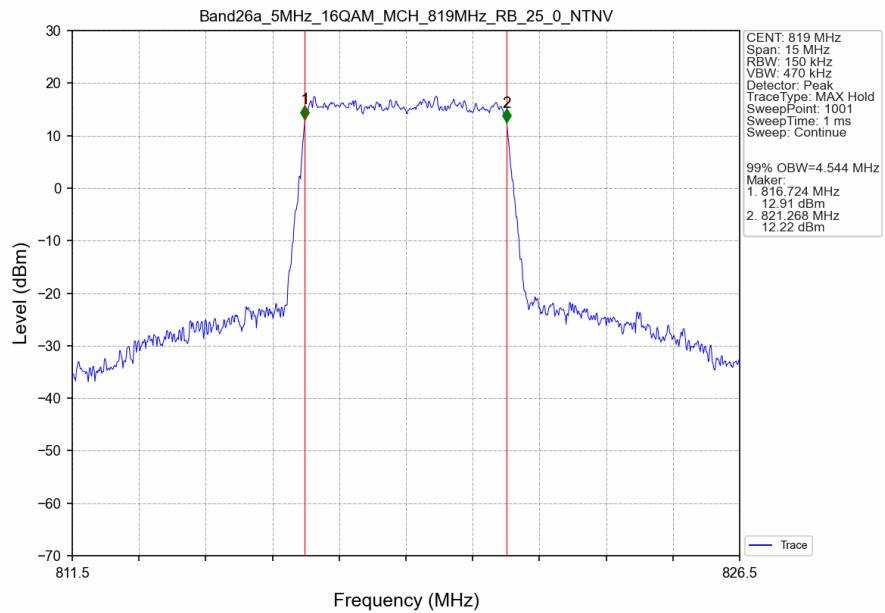
Band26a_3MHz_16QAM_MCH_819MHz_RB_15_0_NTNV



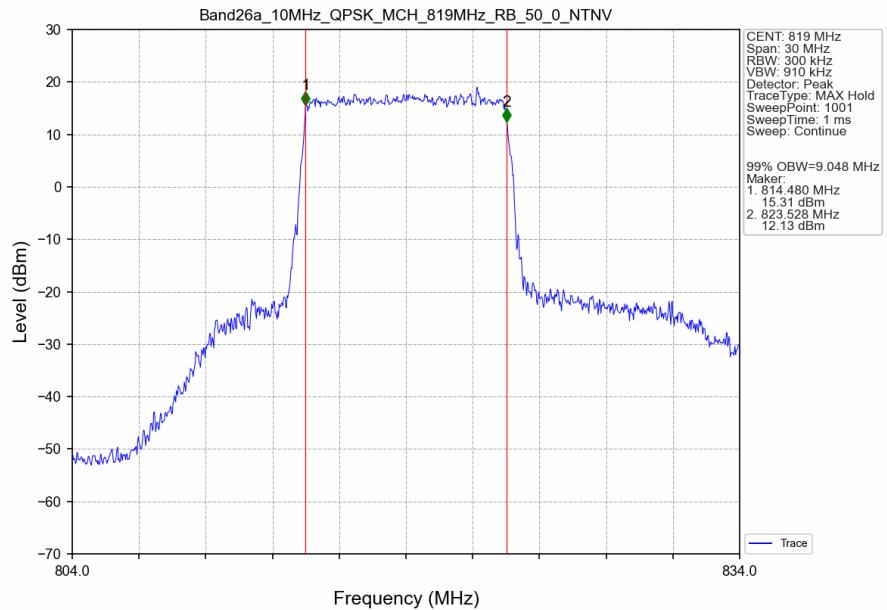
Band26a_5MHz_QPSK_MCH_819MHz_RB_25_0_NTNV



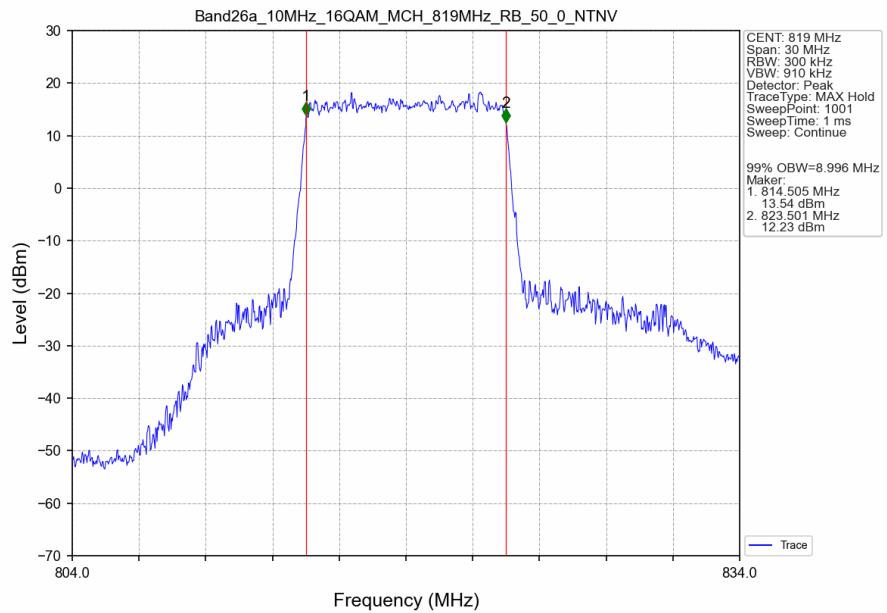
Band26a_5MHz_16QAM_MCH_819MHz_RB_25_0_NTNV



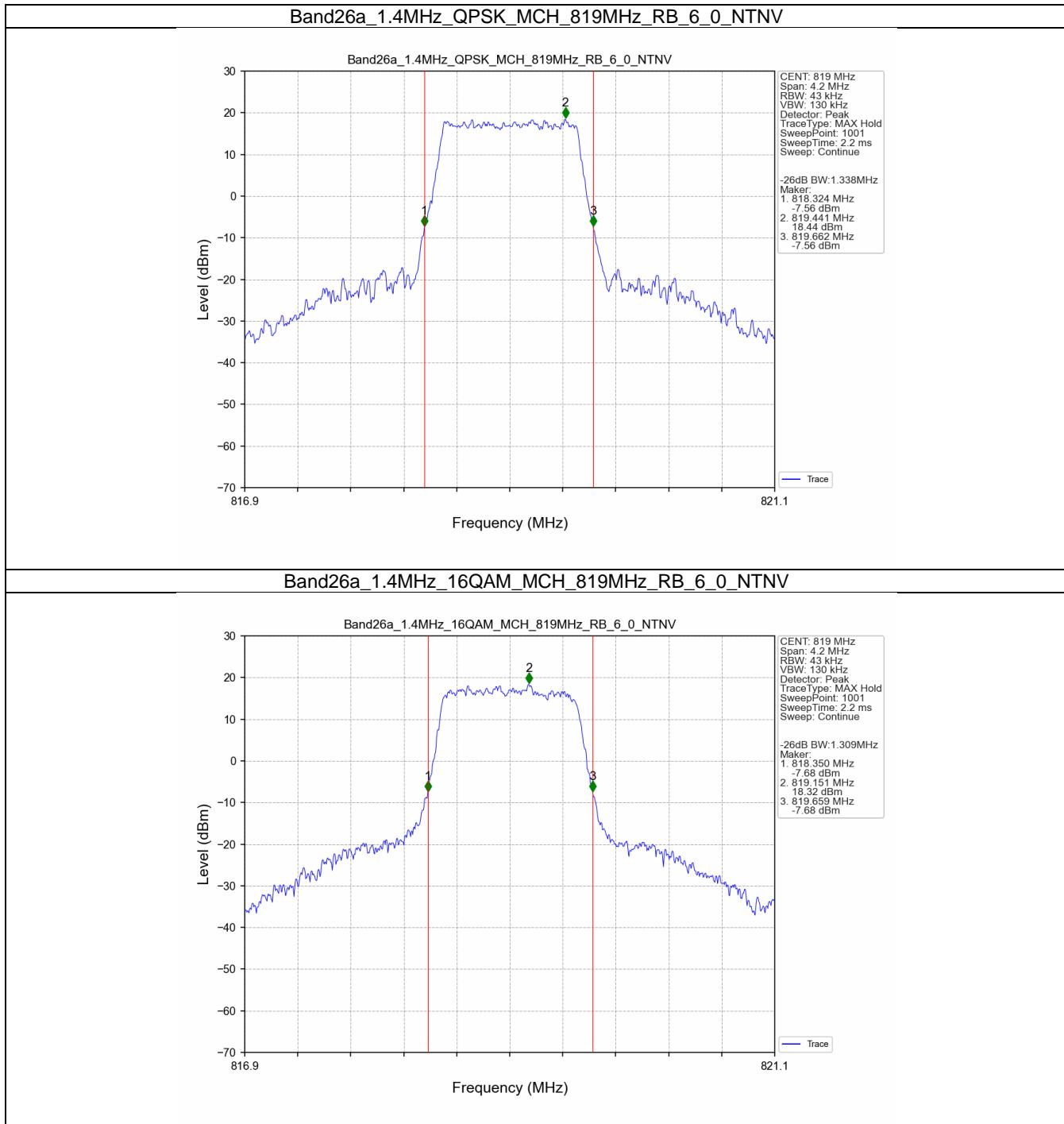
Band26a_10MHz_QPSK_MCH_819MHz_RB_50_0_NTNV



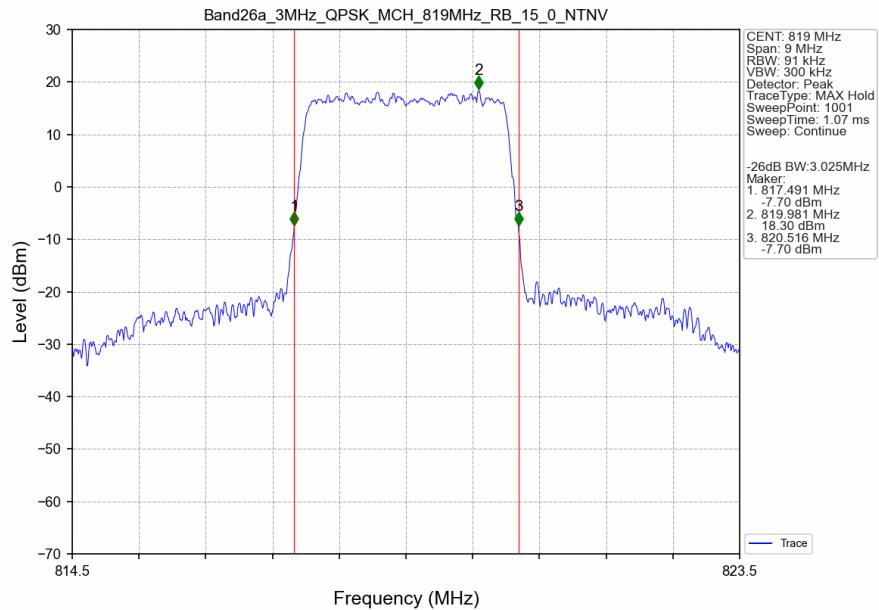
Band26a_10MHz_16QAM_MCH_819MHz_RB_50_0_NTNV



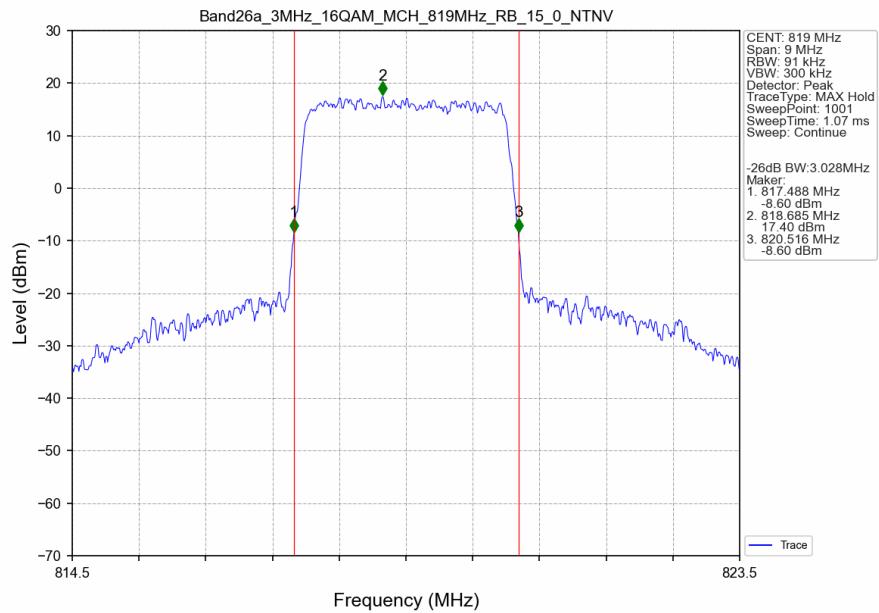
3.2.2 Band26a_XDB



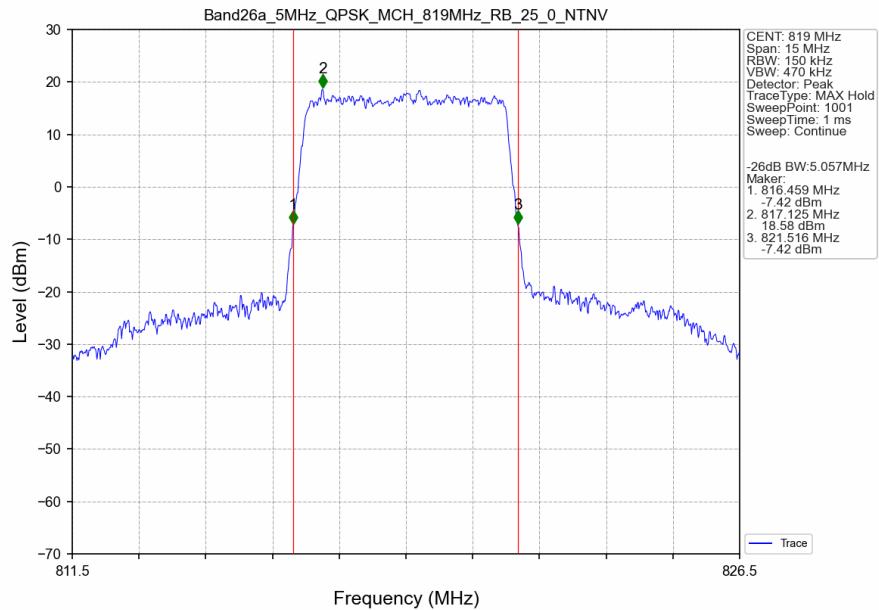
Band26a_3MHz_QPSK_MCH_819MHz_RB_15_0_NTNV



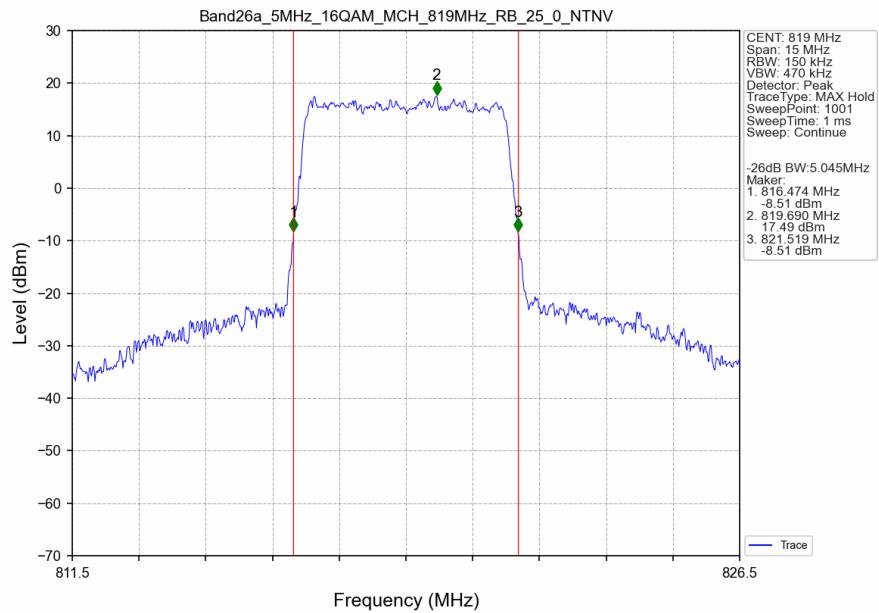
Band26a_3MHz_16QAM_MCH_819MHz_RB_15_0_NTNV



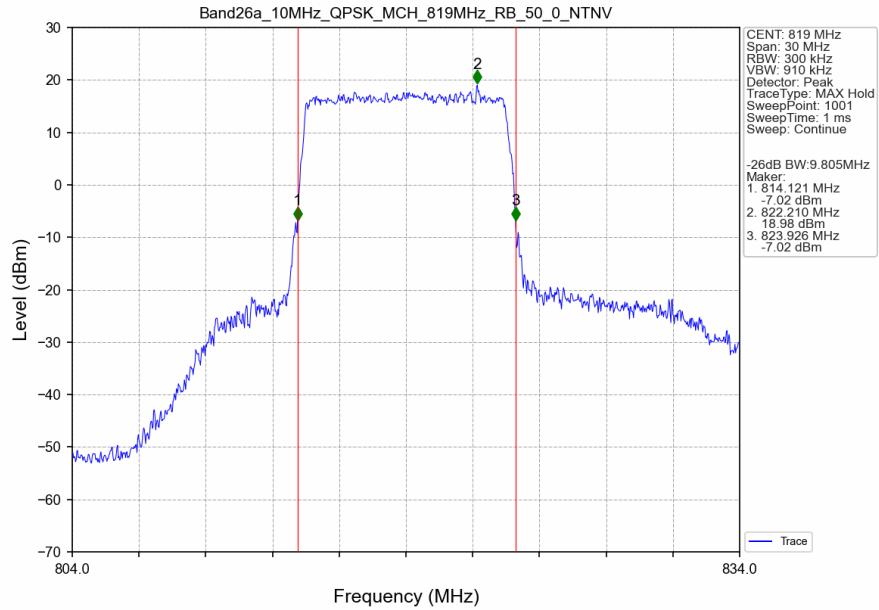
Band26a_5MHz_QPSK_MCH_819MHz_RB_25_0_NTNV



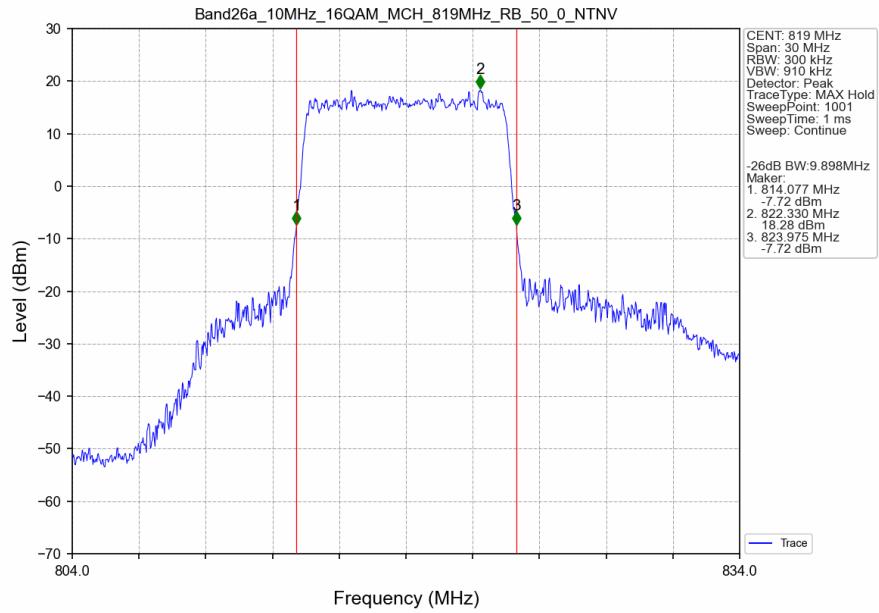
Band26a_5MHz_16QAM_MCH_819MHz_RB_25_0_NTNV



Band26a_10MHz_QPSK_MCH_819MHz_RB_50_0_NTNV



Band26a_10MHz_16QAM_MCH_819MHz_RB_50_0_NTNV



4. Peak-Average Ratio

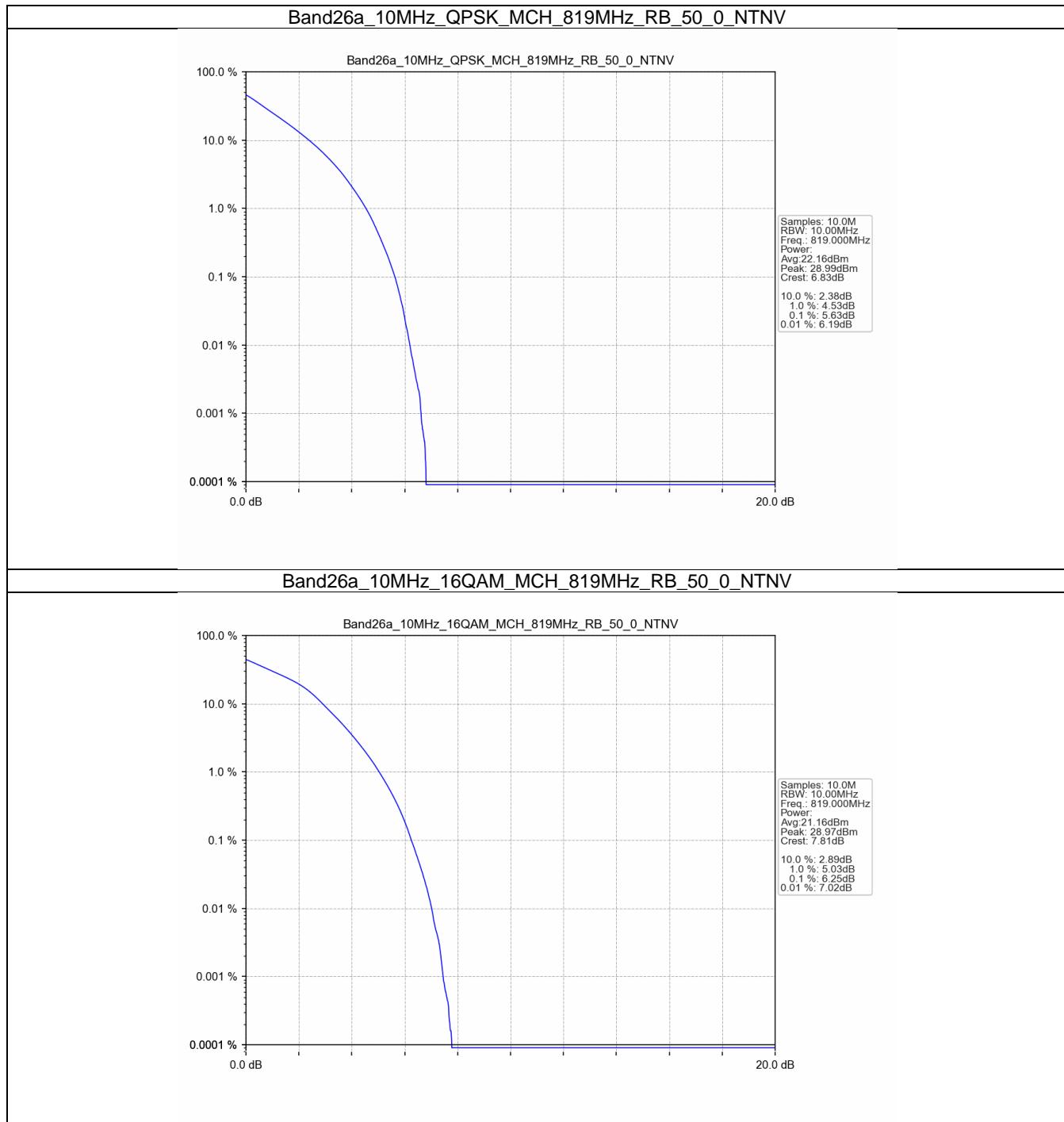
4.1 Test Result

4.1.1 B26a_10MHz

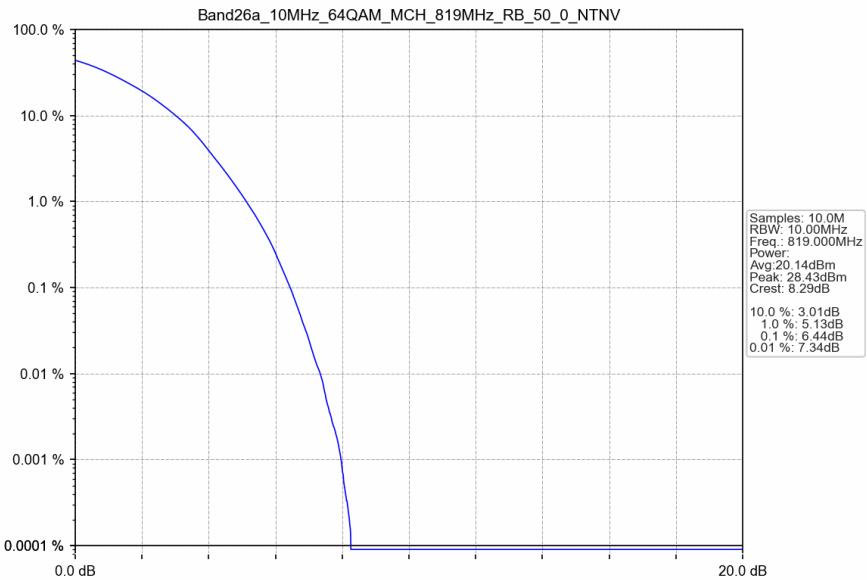
| Modulation | Frequency (MHz) | RB Allocation | | Peak-Average Ratio (dB) | | Verdict |
|------------|-----------------|---------------|--------|-------------------------|-------|---------|
| | | Size | Offset | Result | Limit | |
| QPSK | 819 | 50 | 0 | 5.63 | <=13 | Pass |
| 16QAM | 819 | 50 | 0 | 6.25 | <=13 | Pass |
| 64QAM | 819 | 50 | 0 | 6.44 | <=13 | Pass |
| 256QAM | 819 | 50 | 0 | 6.40 | <=13 | Pass |

4.2 Test Graph

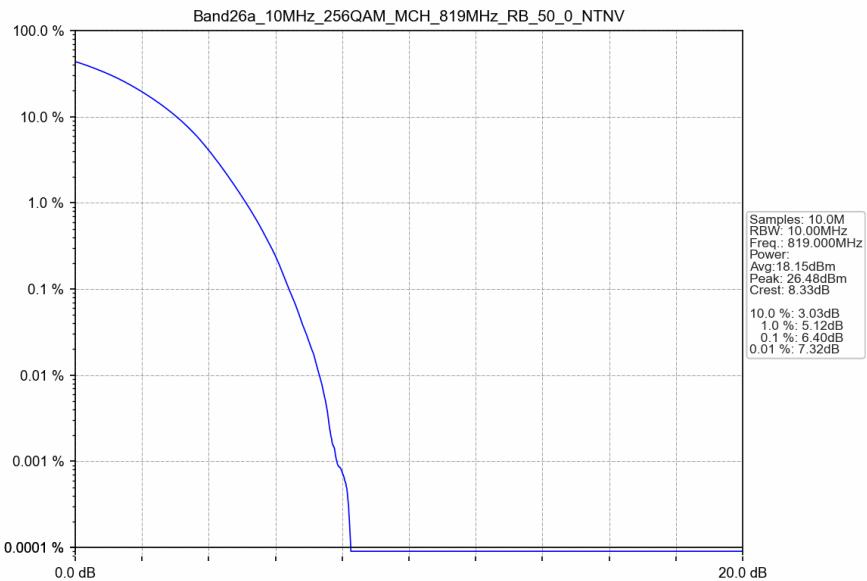
4.2.1 B26a_10MHz



Band26a_10MHz_64QAM_MCH_819MHz_RB_50_0_NTNV



Band26a_10MHz_256QAM_MCH_819MHz_RB_50_0_NTNV



5. Spurious Emission

5.1 Test Result

5.1.1 B26a_1.4MHz

| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
|------------|-----------------|---------------|--------|---------------------|-------|---------|
| | | Size | Offset | Result | Limit | |
| QPSK | 814.7 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 6 | 0 | Refer To Test Graph | | Pass |
| | 819 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 1 | 0 | Refer To Test Graph | | Pass |
| | 823.3 | 1 | 5 | Refer To Test Graph | | Pass |
| | | 6 | 0 | Refer To Test Graph | | Pass |

5.1.2 B26a_3MHz

| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
|------------|-----------------|---------------|--------|---------------------|-------|---------|
| | | Size | Offset | Result | Limit | |
| QPSK | 815.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 15 | 0 | Refer To Test Graph | | Pass |
| | 819 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 1 | 0 | Refer To Test Graph | | Pass |
| | 822.5 | 1 | 14 | Refer To Test Graph | | Pass |
| | | 15 | 0 | Refer To Test Graph | | Pass |

5.1.3 B26a_5MHz

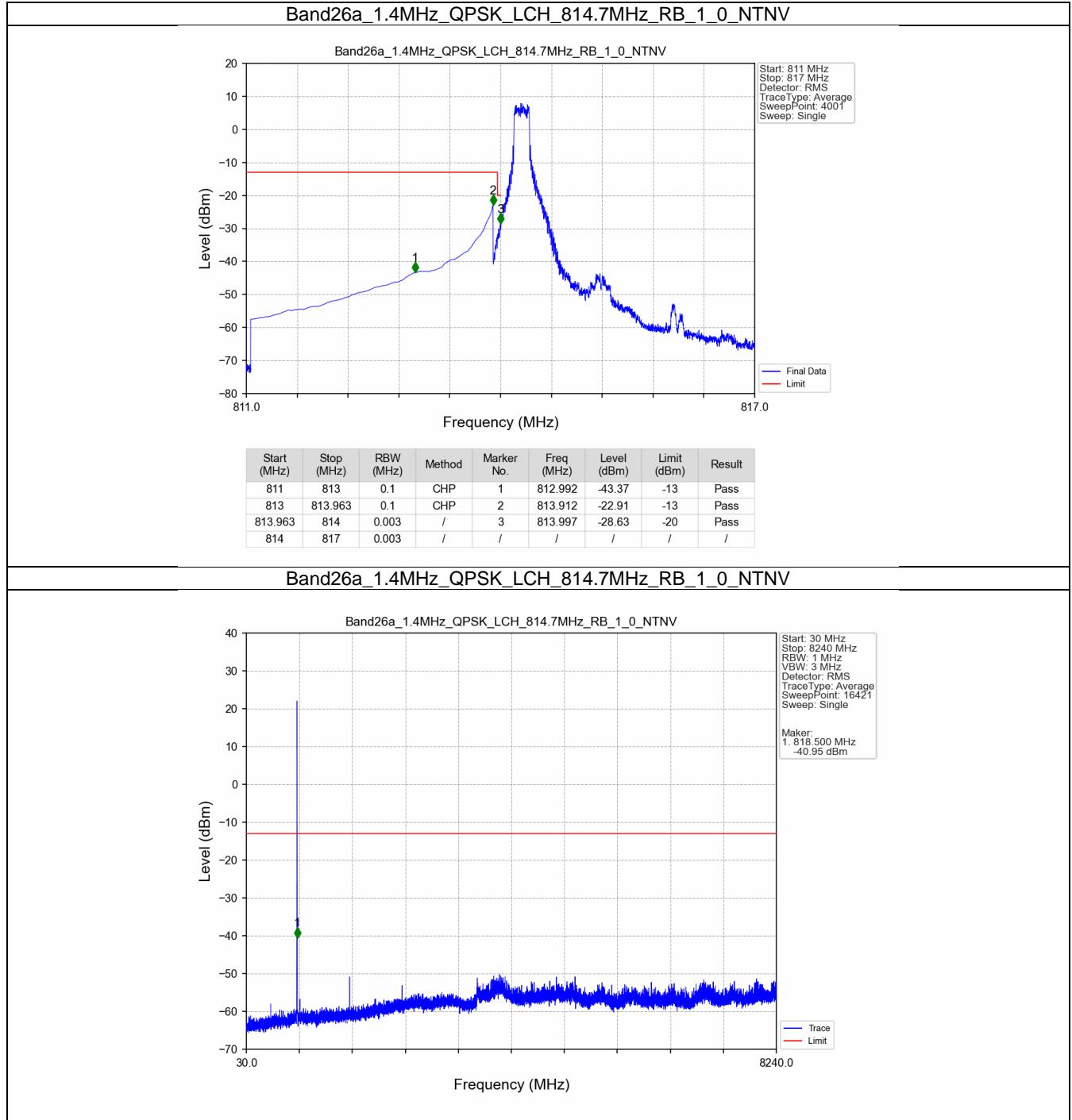
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
|------------|-----------------|---------------|--------|---------------------|-------|---------|
| | | Size | Offset | Result | Limit | |
| QPSK | 816.5 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 25 | 0 | Refer To Test Graph | | Pass |
| | 819 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 1 | 0 | Refer To Test Graph | | Pass |
| | 821.5 | 1 | 24 | Refer To Test Graph | | Pass |
| | | 25 | 0 | Refer To Test Graph | | Pass |

5.1.4 B26a_10MHz

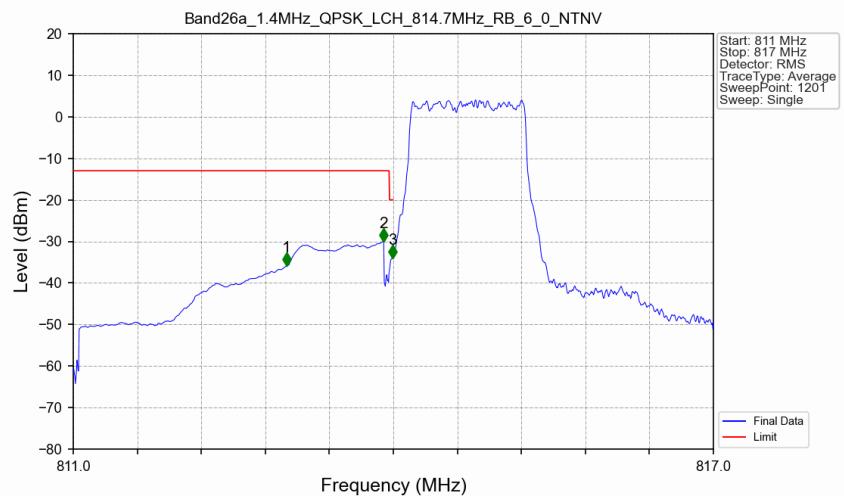
| Modulation | Frequency (MHz) | RB Allocation | | Spurious Emission | | Verdict |
|------------|-----------------|---------------|--------|---------------------|-------|---------|
| | | Size | Offset | Result | Limit | |
| QPSK | 819 | 1 | 0 | Refer To Test Graph | | Pass |
| | | 50 | 0 | Refer To Test Graph | | Pass |
| | 819 | 1 | 49 | Refer To Test Graph | | Pass |
| | | 50 | 0 | Refer To Test Graph | | Pass |

5.2 Test Graph

5.2.1 B26a_1.4MHz

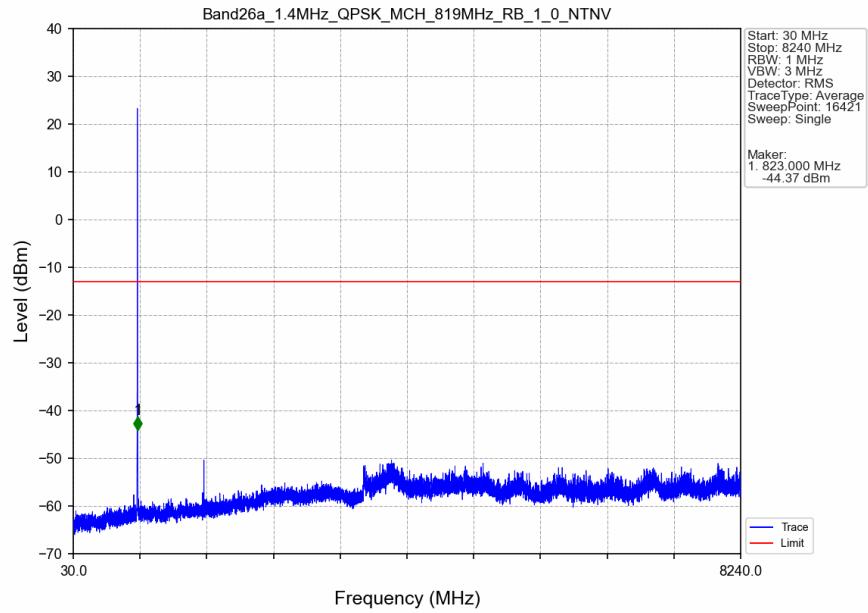


Band26a_1.4MHz_QPSK_LCH_814.7MHz_RB_6_0_NTNV

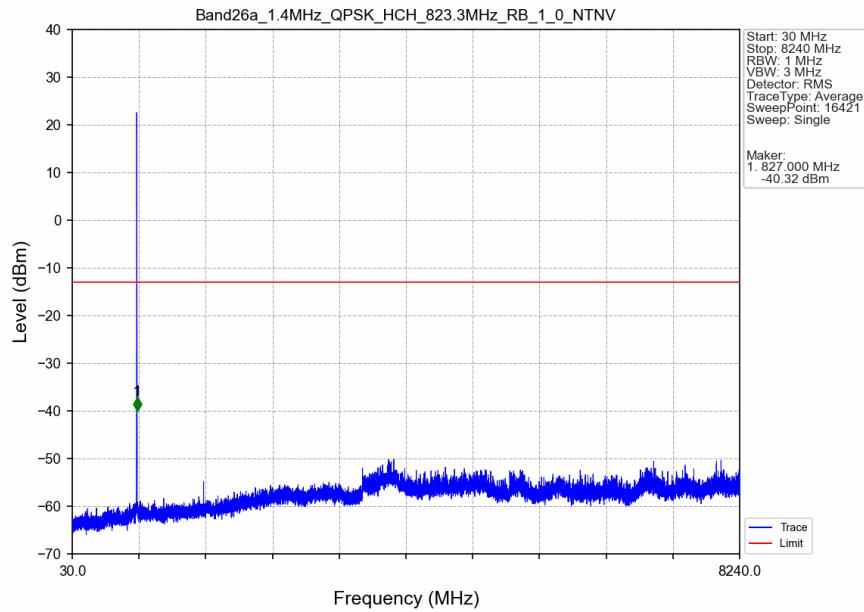


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 811 | 813 | 0.1 | CHP | 1 | 813.000 | -35.92 | -13 | Pass |
| 813 | 813.963 | 0.1 | CHP | 2 | 813.910 | -29.96 | -13 | Pass |
| 813.963 | 814 | 0.013 | CHP | 3 | 813.995 | -33.96 | -20 | Pass |
| 814 | 817 | 0.013 | CHP | / | / | / | / | / |

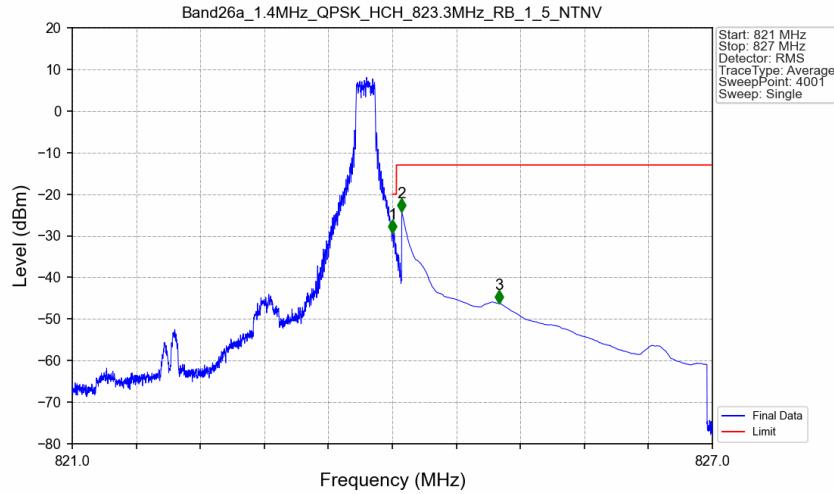
Band26a_1.4MHz_QPSK_MCH_819MHz_RB_1_0_NTNV



Band26a_1.4MHz_QPSK_HCH_823.3MHz_RB_1_0_NTNV

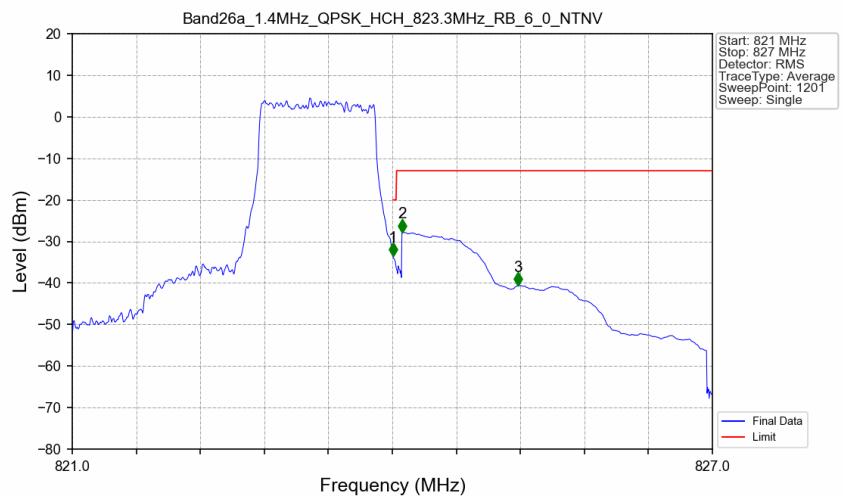


Band26a_1.4MHz_QPSK_HCH_823.3MHz_RB_1_5_NTNV



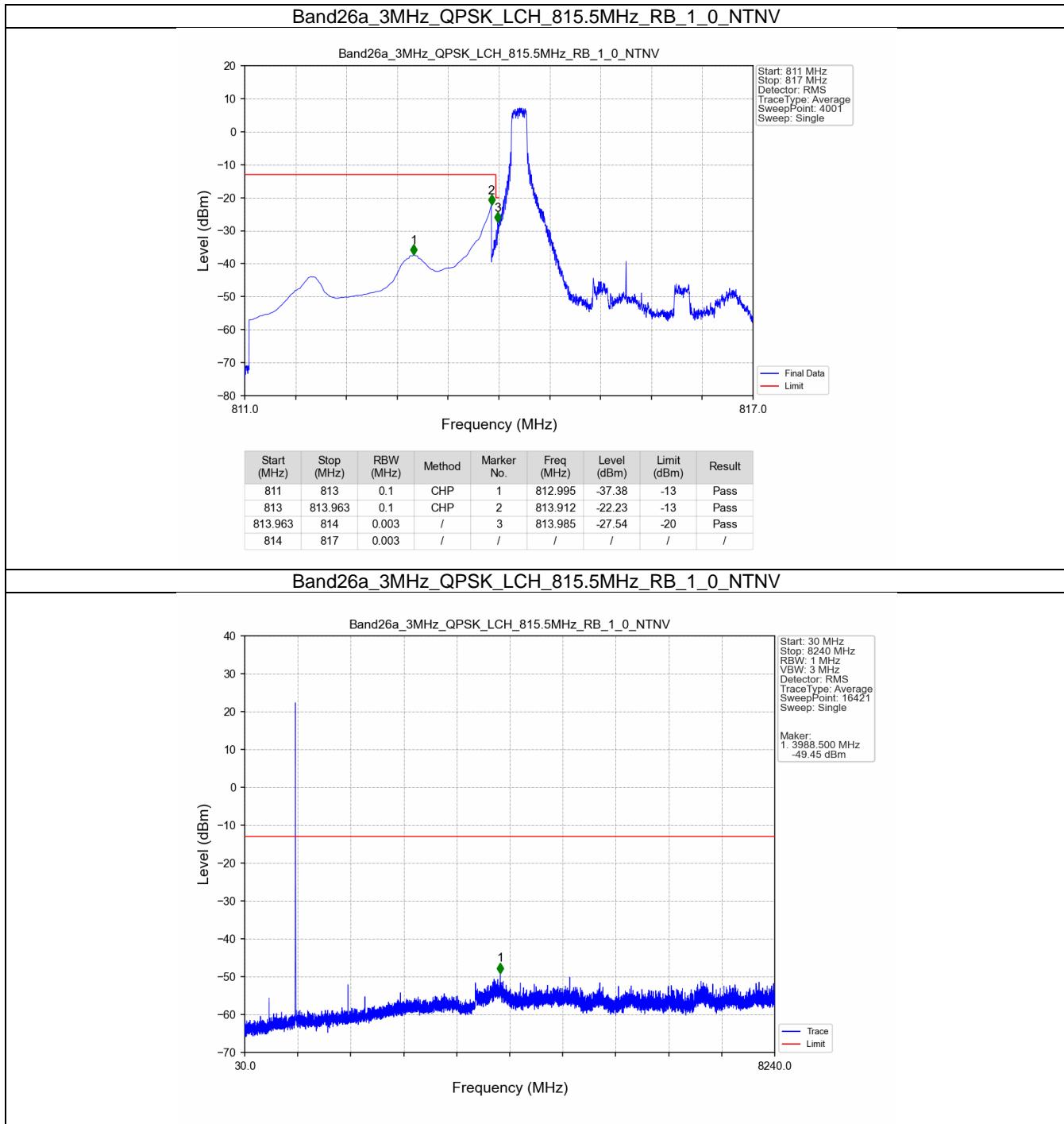
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 821 | 824 | 0.003 | / | / | / | / | / | / |
| 824 | 824.038 | 0.003 | / | 1 | 824.001 | -29.27 | -20 | Pass |
| 824.038 | 825 | 0.1 | CHP | 2 | 824.088 | -24.28 | -13 | Pass |
| 825 | 827 | 0.1 | CHP | 3 | 825.000 | -46.25 | -13 | Pass |

Band26a_1.4MHz_QPSK_HCH_823.3MHz_RB_6_0_NTNV

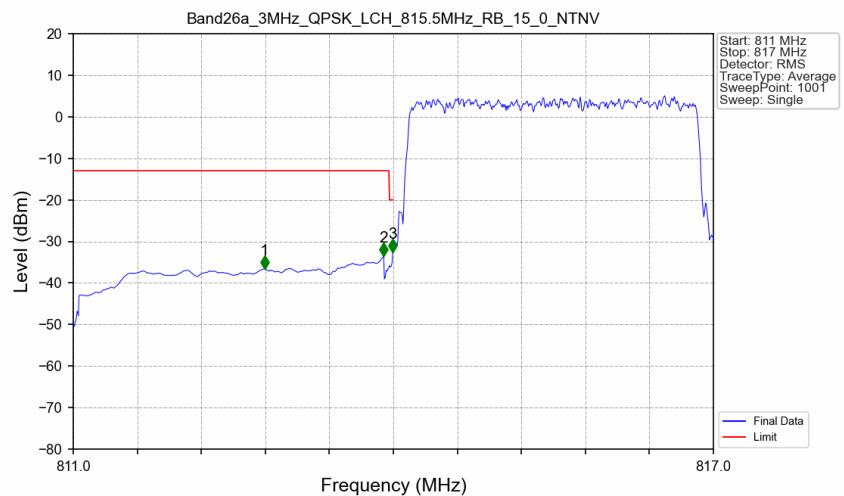


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 821 | 824 | 0.013 | CHP | / | / | / | / | / |
| 824 | 824.038 | 0.013 | CHP | 1 | 824.005 | -33.56 | -20 | Pass |
| 824.038 | 825 | 0.1 | CHP | 2 | 824.095 | -27.76 | -13 | Pass |
| 825 | 827 | 0.1 | CHP | 3 | 825.180 | -40.60 | -13 | Pass |

5.2.2 B26a_3MHz

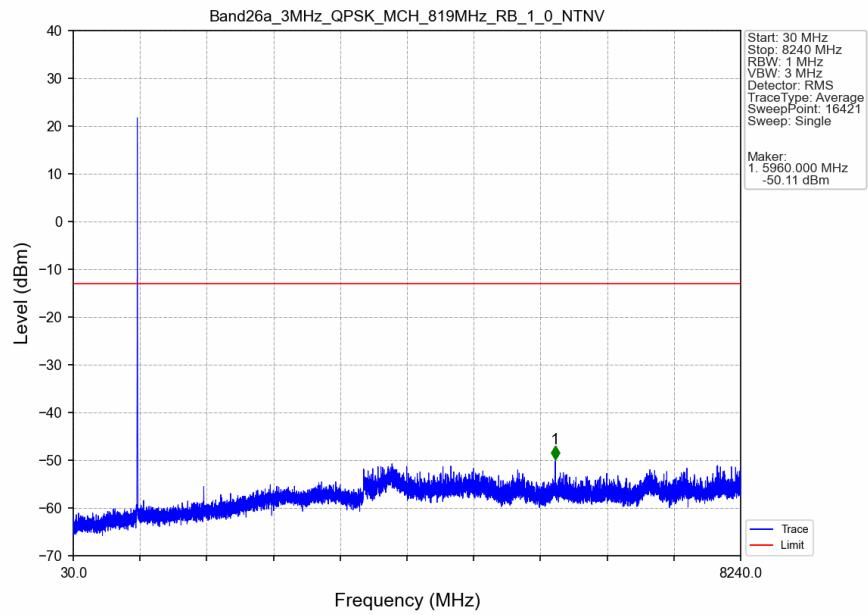


Band26a_3MHz_QPSK_LCH_815.5MHz_RB_15_0_NTNV

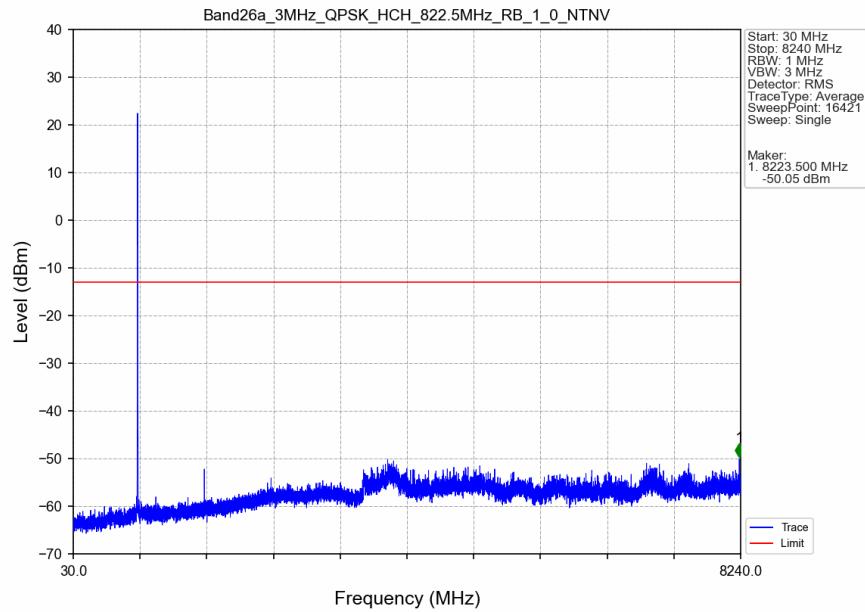


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 811 | 813 | 0.1 | CHP | 1 | 812.794 | -36.59 | -13 | Pass |
| 813 | 813.963 | 0.1 | CHP | 2 | 813.910 | -33.44 | -13 | Pass |
| 813.963 | 814 | 0.03 | / | 3 | 813.994 | -32.61 | -20 | Pass |
| 814 | 817 | 0.03 | / | / | / | / | / | / |

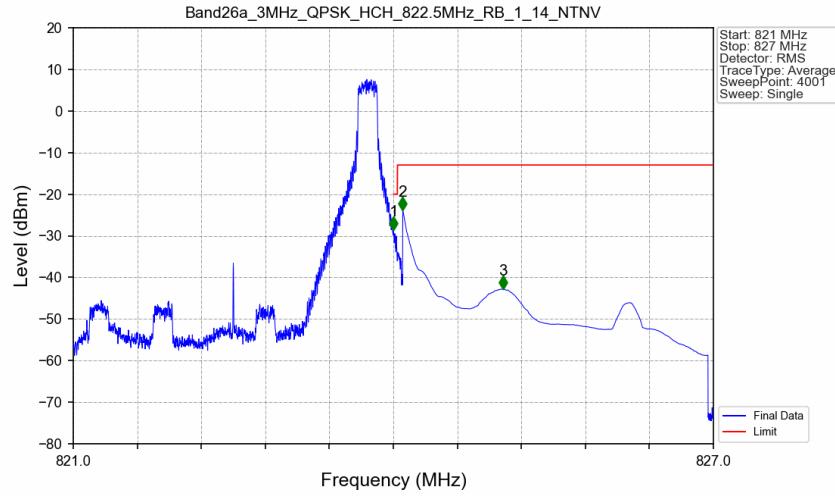
Band26a_3MHz_QPSK_MCH_819MHz_RB_1_0_NTNV



Band26a_3MHz_QPSK_HCH_822.5MHz_RB_1_0_NTNV

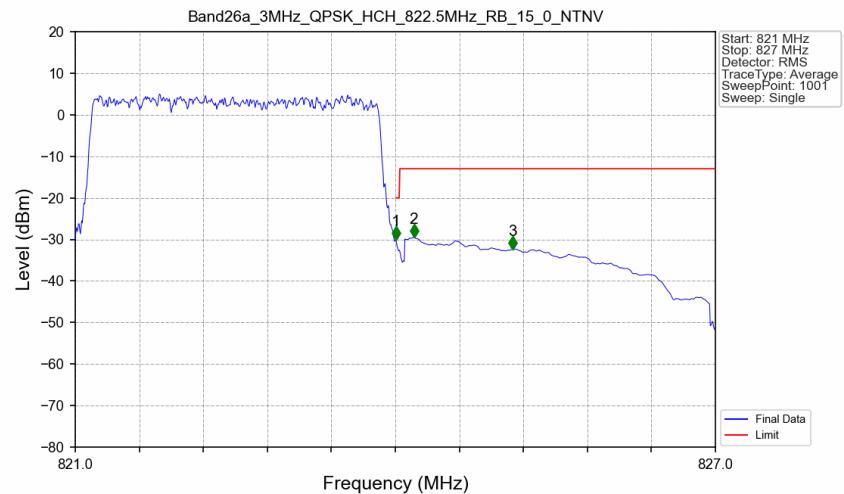


Band26a_3MHz_QPSK_HCH_822.5MHz_RB_1_14_NTNV



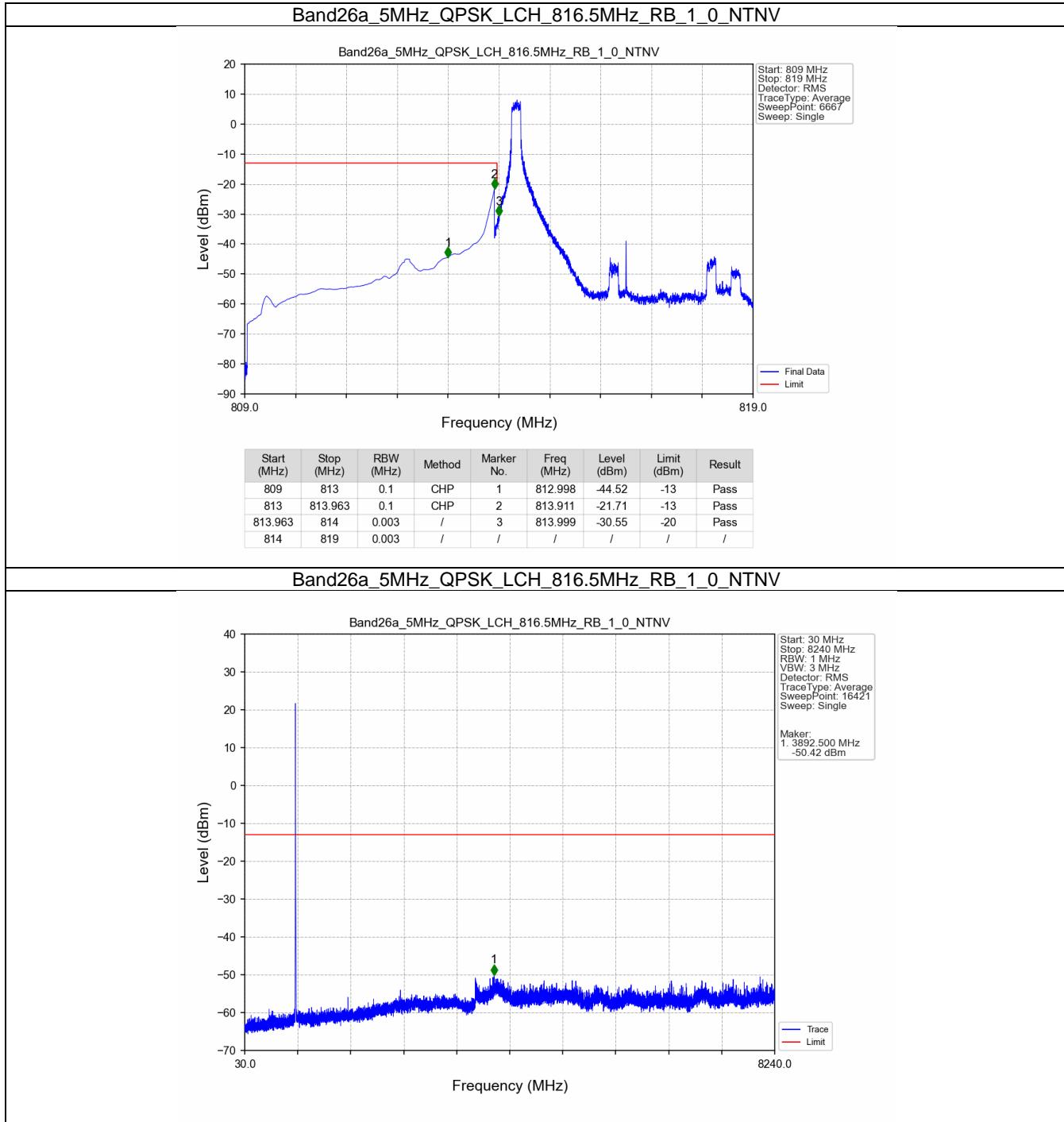
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 821 | 824 | 0.003 | / | / | / | / | / | / |
| 824 | 824.038 | 0.003 | / | 1 | 824.001 | -28.60 | -20 | Pass |
| 824.038 | 825 | 0.1 | CHP | 2 | 824.088 | -23.83 | -13 | Pass |
| 825 | 827 | 0.1 | CHP | 3 | 825.029 | -42.81 | -13 | Pass |

Band26a_3MHz_QPSK_HCH_822.5MHz_RB_15_0_NTNV

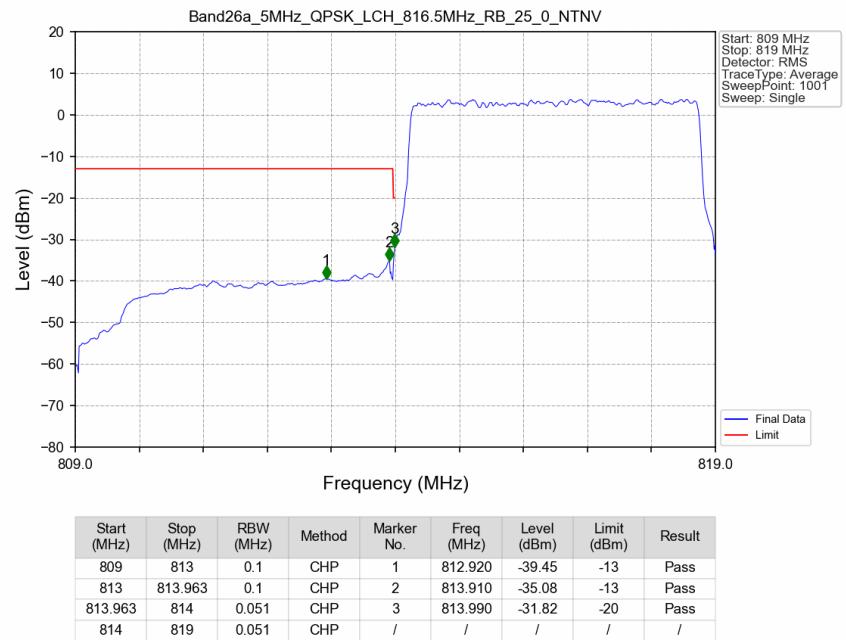


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 821 | 824 | 0.03 | / | / | / | / | / | / |
| 824 | 824.038 | 0.03 | / | 1 | 824.006 | -30.05 | -20 | Pass |
| 824.038 | 825 | 0.1 | CHP | 2 | 824.174 | -29.46 | -13 | Pass |
| 825 | 827 | 0.1 | CHP | 3 | 825.098 | -32.33 | -13 | Pass |

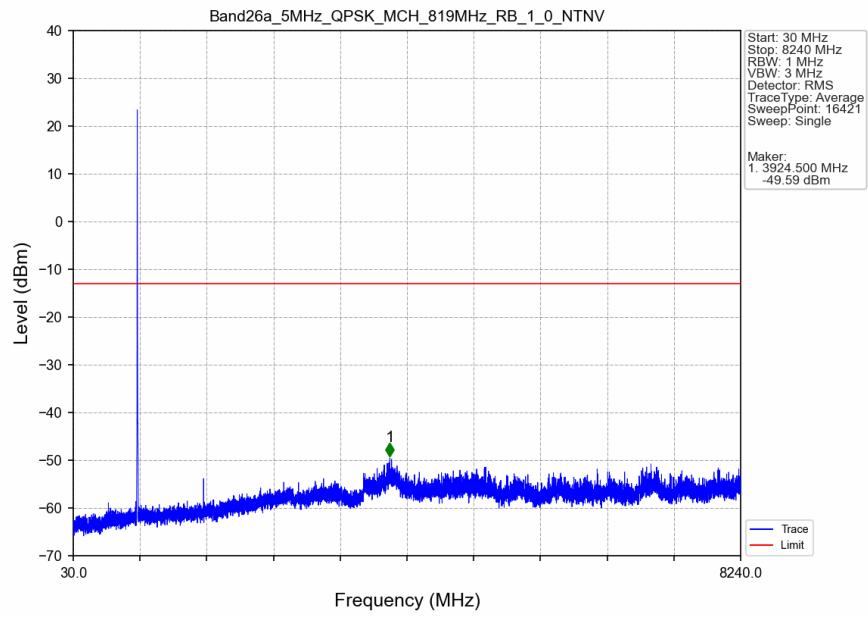
5.2.3 B26a_5MHz



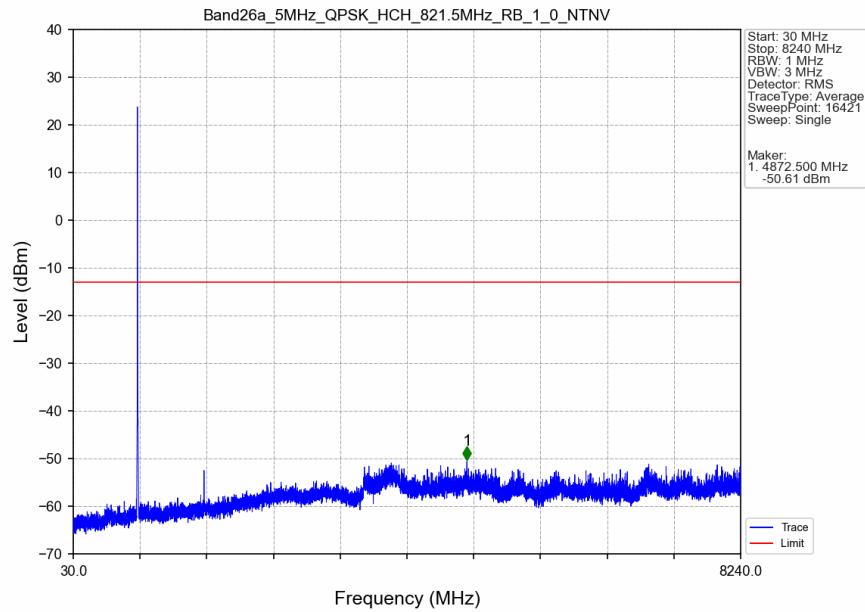
Band26a_5MHz_QPSK_LCH_816.5MHz_RB_25_0_NTNV



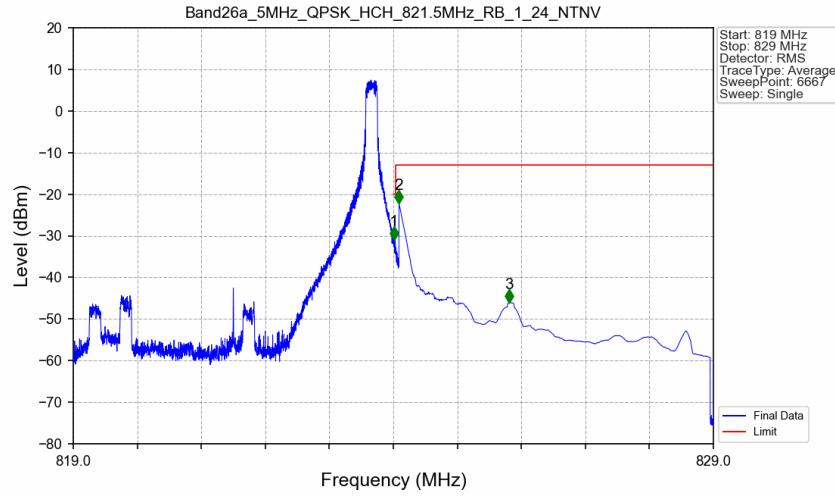
Band26a_5MHz_QPSK_MCH_819MHz_RB_1_0_NTNV



Band26a_5MHz_QPSK_HCH_821.5MHz_RB_1_0_NTNV

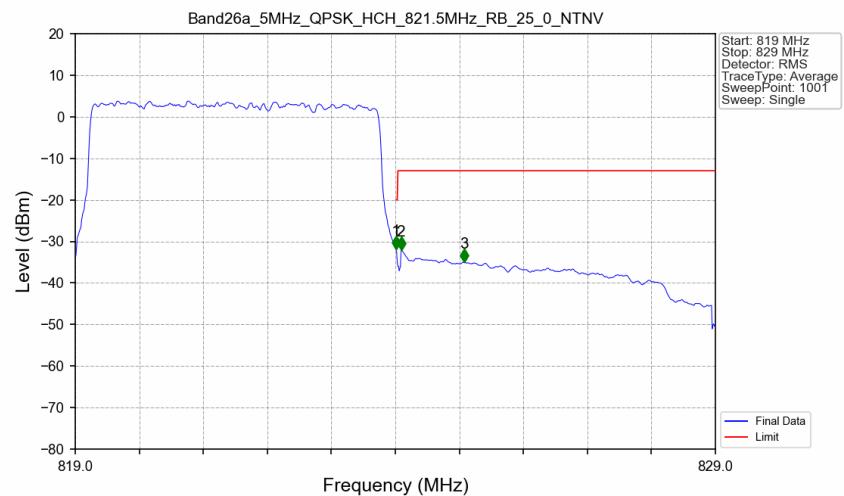


Band26a_5MHz_QPSK_HCH_821.5MHz_RB_1_24_NTNV



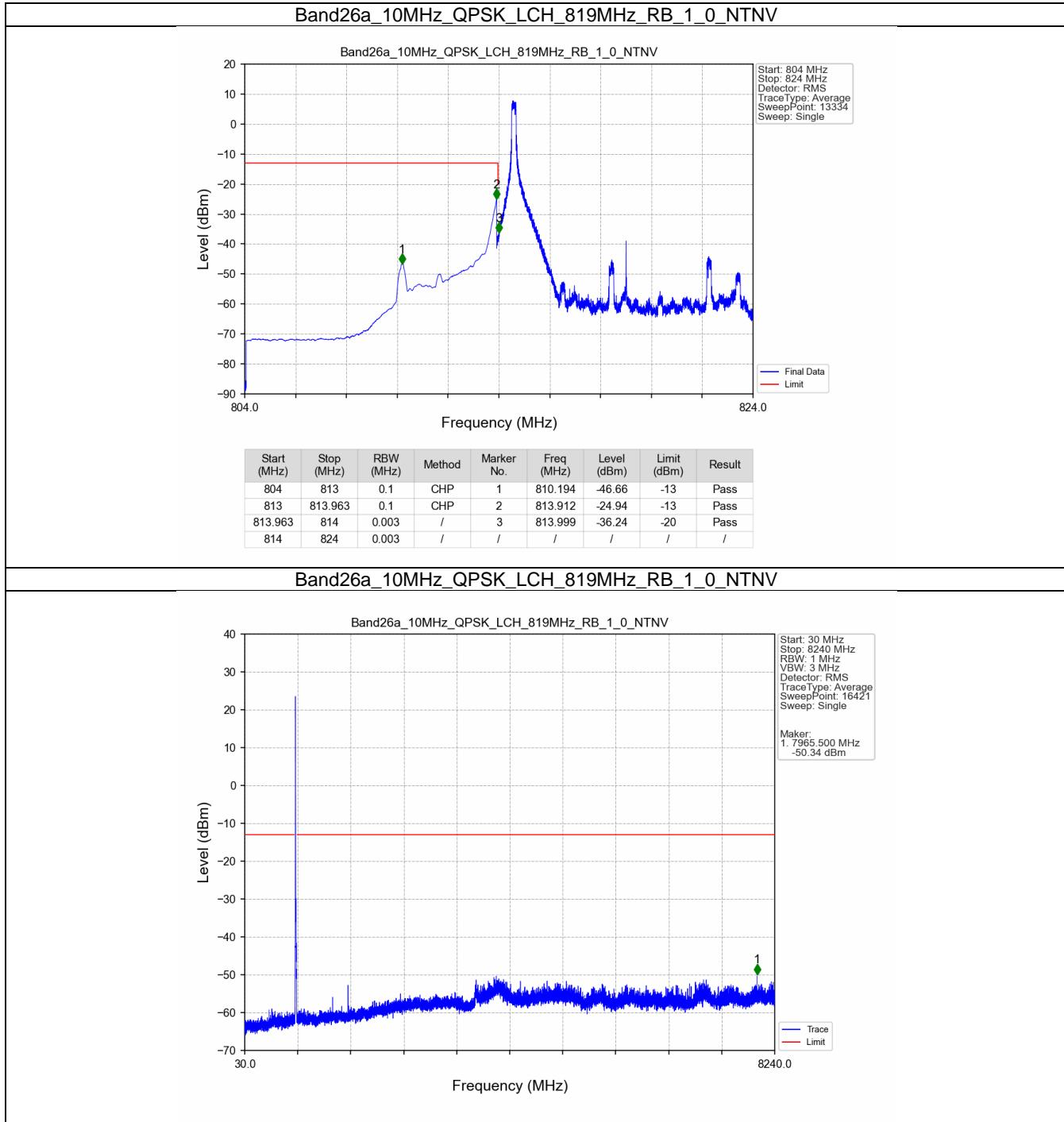
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 819 | 824 | 0.003 | / | / | / | / | / | / |
| 824 | 824.038 | 0.003 | / | 1 | 824.011 | -31.01 | -20 | Pass |
| 824.038 | 825 | 0.1 | CHP | 2 | 824.089 | -22.15 | -13 | Pass |
| 825 | 829 | 0.1 | CHP | 3 | 825.803 | -46.10 | -13 | Pass |

Band26a_5MHz_QPSK_HCH_821.5MHz_RB_25_0_NTNV

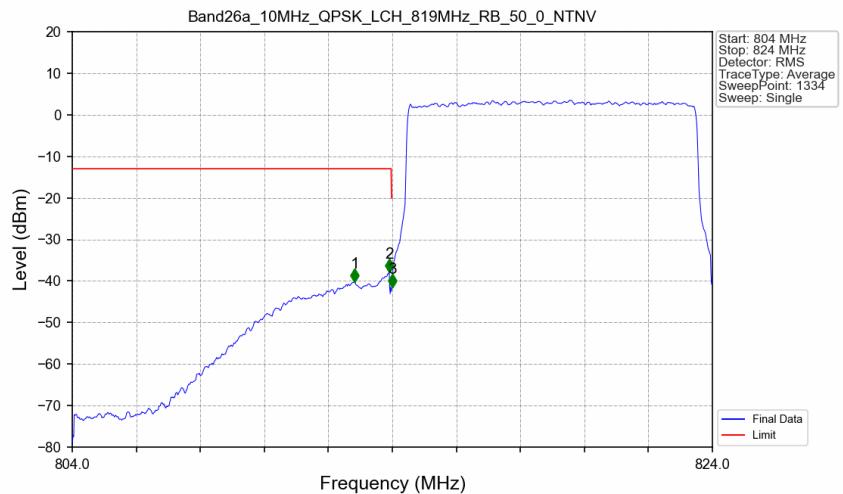


| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 819 | 824 | 0.05 | CHP | / | / | / | / | / |
| 824 | 824.038 | 0.05 | CHP | 1 | 824.010 | -31.90 | -20 | Pass |
| 824.038 | 825 | 0.1 | CHP | 2 | 824.090 | -32.04 | -13 | Pass |
| 825 | 829 | 0.1 | CHP | 3 | 825.080 | -35.04 | -13 | Pass |

5.2.4 B26a_10MHz

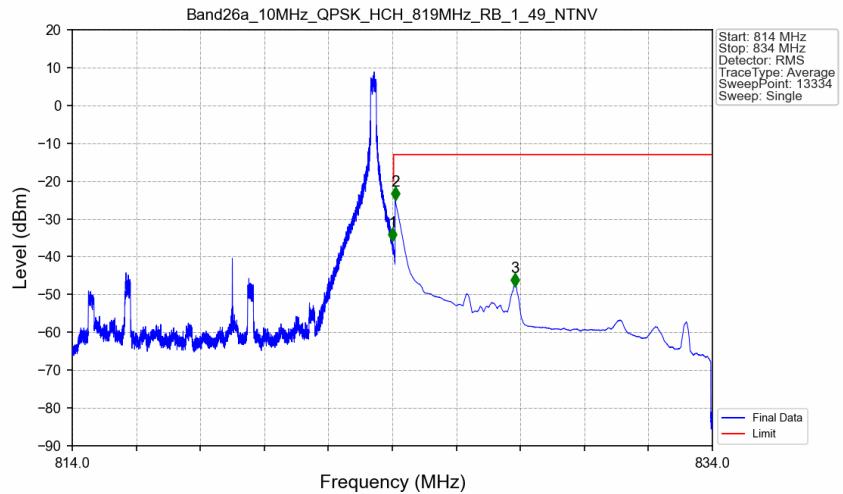


Band26a_10MHz_QPSK_LCH_819MHz_RB_50_0_NTNV



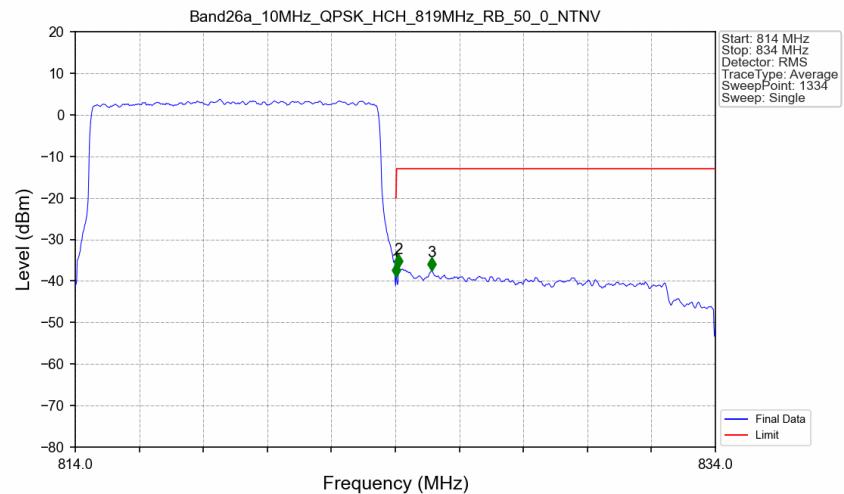
| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 804 | 813 | 0.1 | CHP | 1 | 812.822 | -40.22 | -13 | Pass |
| 813 | 813.963 | 0.1 | CHP | 2 | 813.902 | -37.92 | -13 | Pass |
| 813.963 | 814 | 0.098 | CHP | 3 | 813.992 | -41.50 | -20 | Pass |
| 814 | 824 | 0.098 | CHP | / | / | / | / | / |

Band26a_10MHz_QPSK_HCH_819MHz_RB_1_49_NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 814 | 824 | 0.003 | / | / | / | / | / | / |
| 824 | 824.038 | 0.003 | / | 1 | 824.002 | -35.91 | -20 | Pass |
| 824.038 | 825 | 0.1 | CHP | 2 | 824.088 | -25.11 | -13 | Pass |
| 825 | 834 | 0.1 | CHP | 3 | 827.832 | -47.77 | -13 | Pass |

Band26a_10MHz_QPSK_HCH_819MHz_RB_50_0_NTNV



| Start (MHz) | Stop (MHz) | RBW (MHz) | Method | Marker No. | Freq (MHz) | Level (dBm) | Limit (dBm) | Result |
|-------------|------------|-----------|--------|------------|------------|-------------|-------------|--------|
| 814 | 824 | 0.098 | CHP | / | / | / | / | / |
| 824 | 824.038 | 0.098 | CHP | 1 | 824.023 | -39.00 | -20 | Pass |
| 824.038 | 825 | 0.1 | CHP | 2 | 824.098 | -36.86 | -13 | Pass |
| 825 | 834 | 0.1 | CHP | 3 | 825.133 | -37.57 | -13 | Pass |

6. Field Strength of Spurious Radiation

| LTE Band 26a(814-824MHz)-Middle channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0 | | | | | | | | |
|---|------------|-------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz) | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable Loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 1629.0 | -65.15 | -13 | -52.15 | -68.08 | 2.62 | 5.55 | Horizontal | Pass |
| 2443.5 | -69.72 | -13 | -56.72 | -72.36 | 3.04 | 5.68 | Horizontal | Pass |
| 3258.0 | -66.93 | -13 | -53.93 | -71.21 | 3.28 | 7.56 | Horizontal | Pass |
| 1629.0 | -65.31 | -13 | -52.31 | -68.24 | 2.62 | 5.55 | Vertical | Pass |
| 2443.5 | -69.06 | -13 | -56.06 | -71.7 | 3.04 | 5.68 | Vertical | Pass |
| 3258.0 | -66.54 | -13 | -53.54 | -70.82 | 3.28 | 7.56 | Vertical | Pass |