

# 1. Effective (Isotropic) Radiated Power Output Data

## 1.1 Test Result

### 1.1.1 BandV\_ERP

| Band: V |         |              |                    |                          |               |           |         |         |
|---------|---------|--------------|--------------------|--------------------------|---------------|-----------|---------|---------|
| ENV     | Mode    |              | Frequency<br>(MHz) | Conducted Power<br>(dBm) | Gain<br>(dBi) | ERP (dBm) |         | Verdict |
|         | Network | Subset       |                    |                          |               | Result    | Limit   |         |
| NTNV    | RMC     | 12.2kbps RMC | 826.4              | 24.23                    | -4.53         | 17.55     | <=38.45 | Pass    |
|         |         |              | 836.6              | 24.79                    | -4.53         | 18.11     | <=38.45 | Pass    |
|         |         |              | 846.6              | 24.64                    | -4.53         | 17.96     | <=38.45 | Pass    |
|         | HSDPA   | Subtest 1    | 826.4              | 22.14                    | -4.53         | 15.46     | <=38.45 | Pass    |
|         |         | Subtest 2    | 826.4              | 22.14                    | -4.53         | 15.46     | <=38.45 | Pass    |
|         |         | Subtest 3    | 826.4              | 22.16                    | -4.53         | 15.48     | <=38.45 | Pass    |
|         |         | Subtest 4    | 826.4              | 22.15                    | -4.53         | 15.47     | <=38.45 | Pass    |
|         |         | Subtest 1    | 836.6              | 22.38                    | -4.53         | 15.70     | <=38.45 | Pass    |
|         |         | Subtest 2    | 836.6              | 22.39                    | -4.53         | 15.71     | <=38.45 | Pass    |
|         |         | Subtest 3    | 836.6              | 22.39                    | -4.53         | 15.71     | <=38.45 | Pass    |
|         |         | Subtest 4    | 836.6              | 22.38                    | -4.53         | 15.70     | <=38.45 | Pass    |
|         |         | Subtest 1    | 846.6              | 22.35                    | -4.53         | 15.67     | <=38.45 | Pass    |
|         |         | Subtest 2    | 846.6              | 22.35                    | -4.53         | 15.67     | <=38.45 | Pass    |
|         |         | Subtest 3    | 846.6              | 22.35                    | -4.53         | 15.67     | <=38.45 | Pass    |
|         |         | Subtest 4    | 846.6              | 22.36                    | -4.53         | 15.68     | <=38.45 | Pass    |
|         | HSUPA   | Subtest 1    | 826.4              | 20.04                    | -4.53         | 13.36     | <=38.45 | Pass    |
|         |         | Subtest 2    | 826.4              | 19.76                    | -4.53         | 13.08     | <=38.45 | Pass    |
|         |         | Subtest 3    | 826.4              | 19.79                    | -4.53         | 13.11     | <=38.45 | Pass    |
|         |         | Subtest 4    | 826.4              | 19.60                    | -4.53         | 12.92     | <=38.45 | Pass    |
|         |         | Subtest 5    | 826.4              | 20.24                    | -4.53         | 13.56     | <=38.45 | Pass    |
|         |         | Subtest 1    | 836.6              | 19.96                    | -4.53         | 13.28     | <=38.45 | Pass    |
|         |         | Subtest 2    | 836.6              | 19.98                    | -4.53         | 13.30     | <=38.45 | Pass    |
|         |         | Subtest 3    | 836.6              | 19.96                    | -4.53         | 13.28     | <=38.45 | Pass    |
|         |         | Subtest 4    | 836.6              | 19.78                    | -4.53         | 13.10     | <=38.45 | Pass    |
|         |         | Subtest 5    | 836.6              | 20.13                    | -4.53         | 13.45     | <=38.45 | Pass    |
|         |         | Subtest 1    | 846.6              | 19.90                    | -4.53         | 13.22     | <=38.45 | Pass    |
|         |         | Subtest 2    | 846.6              | 19.92                    | -4.53         | 13.24     | <=38.45 | Pass    |
|         |         | Subtest 3    | 846.6              | 19.89                    | -4.53         | 13.21     | <=38.45 | Pass    |
|         |         | Subtest 4    | 846.6              | 19.74                    | -4.53         | 13.06     | <=38.45 | Pass    |
|         |         | Subtest 5    | 846.6              | 20.35                    | -4.53         | 13.67     | <=38.45 | Pass    |

Note1: ERP=Conducted Power+Antenna Gain-2.15

## 2. Frequency Stability

### 2.1 Test Result

#### 2.1.1 BandV

| Band: V |                 |            |               |                  |                       |             |         |
|---------|-----------------|------------|---------------|------------------|-----------------------|-------------|---------|
| Network | Frequency (MHz) | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |             | Verdict |
|         |                 |            |               |                  | Result                | Limit       |         |
| RMC     | 826.4           | 20         | 3.7           | 1.266            | 0.0015                | -2.5 to 2.5 | Pass    |
|         |                 |            | 3.91          | -2.525           | -0.0031               | -2.5 to 2.5 | Pass    |
|         |                 |            | 4.3           | -3.054           | -0.0037               | -2.5 to 2.5 | Pass    |
|         |                 | -30        | 3.91          | -3.369           | -0.0041               | -2.5 to 2.5 | Pass    |
|         |                 | -20        | 3.91          | -2.725           | -0.0033               | -2.5 to 2.5 | Pass    |
|         |                 | -10        | 3.91          | -2.325           | -0.0028               | -2.5 to 2.5 | Pass    |
|         |                 | 0          | 3.91          | -2.267           | -0.0027               | -2.5 to 2.5 | Pass    |
|         |                 | 10         | 3.91          | -2.325           | -0.0028               | -2.5 to 2.5 | Pass    |
|         |                 | 30         | 3.91          | -1.373           | -0.0017               | -2.5 to 2.5 | Pass    |
|         |                 | 40         | 3.91          | -2.689           | -0.0033               | -2.5 to 2.5 | Pass    |
|         |                 | 50         | 3.91          | -1.838           | -0.0022               | -2.5 to 2.5 | Pass    |
|         | 836.6           | 20         | 3.7           | -0.479           | -0.0006               | -2.5 to 2.5 | Pass    |
|         |                 |            | 3.91          | -0.458           | -0.0005               | -2.5 to 2.5 | Pass    |
|         |                 |            | 4.3           | -0.801           | -0.0010               | -2.5 to 2.5 | Pass    |
|         |                 | -30        | 3.91          | -0.858           | -0.0010               | -2.5 to 2.5 | Pass    |
|         |                 | -20        | 3.91          | 0.930            | 0.0011                | -2.5 to 2.5 | Pass    |
|         |                 | -10        | 3.91          | -1.702           | -0.0020               | -2.5 to 2.5 | Pass    |
|         |                 | 0          | 3.91          | -2.260           | -0.0027               | -2.5 to 2.5 | Pass    |
|         |                 | 10         | 3.91          | -2.332           | -0.0028               | -2.5 to 2.5 | Pass    |
|         |                 | 30         | 3.91          | 1.938            | 0.0023                | -2.5 to 2.5 | Pass    |
|         |                 | 40         | 3.91          | 0.243            | 0.0003                | -2.5 to 2.5 | Pass    |
|         |                 | 50         | 3.91          | -1.438           | -0.0017               | -2.5 to 2.5 | Pass    |
|         | 846.6           | 20         | 3.7           | -0.050           | -0.0001               | -2.5 to 2.5 | Pass    |
|         |                 |            | 3.91          | -1.137           | -0.0013               | -2.5 to 2.5 | Pass    |
|         |                 |            | 4.3           | -1.445           | -0.0017               | -2.5 to 2.5 | Pass    |
|         |                 | -30        | 3.91          | -1.237           | -0.0015               | -2.5 to 2.5 | Pass    |
|         |                 | -20        | 3.91          | -0.572           | -0.0007               | -2.5 to 2.5 | Pass    |
|         |                 | -10        | 3.91          | 0.308            | 0.0004                | -2.5 to 2.5 | Pass    |
|         |                 | 0          | 3.91          | -0.157           | -0.0002               | -2.5 to 2.5 | Pass    |
|         |                 | 10         | 3.91          | -0.429           | -0.0005               | -2.5 to 2.5 | Pass    |
|         |                 | 30         | 3.91          | 0.050            | 0.0001                | -2.5 to 2.5 | Pass    |
|         |                 | 40         | 3.91          | 0.587            | 0.0007                | -2.5 to 2.5 | Pass    |
|         |                 | 50         | 3.91          | -0.236           | -0.0003               | -2.5 to 2.5 | Pass    |
| HSDPA   | 826.4           | 20         | 3.7           | 0.000            | 0.0000                | -2.5 to 2.5 | Pass    |
|         |                 |            | 3.91          | 0.744            | 0.0009                | -2.5 to 2.5 | Pass    |
|         |                 |            | 4.3           | 0.350            | 0.0004                | -2.5 to 2.5 | Pass    |
|         |                 | -30        | 3.91          | -0.587           | -0.0007               | -2.5 to 2.5 | Pass    |
|         |                 | -20        | 3.91          | -0.401           | -0.0005               | -2.5 to 2.5 | Pass    |
|         |                 | -10        | 3.91          | 0.565            | 0.0007                | -2.5 to 2.5 | Pass    |
|         |                 | 0          | 3.91          | 0.551            | 0.0007                | -2.5 to 2.5 | Pass    |
|         |                 | 10         | 3.91          | -0.129           | -0.0002               | -2.5 to 2.5 | Pass    |
|         |                 | 30         | 3.91          | -2.038           | -0.0025               | -2.5 to 2.5 | Pass    |
|         |                 | 40         | 3.91          | 1.187            | 0.0014                | -2.5 to 2.5 | Pass    |
|         |                 | 50         | 3.91          | -2.010           | -0.0024               | -2.5 to 2.5 | Pass    |
|         | 836.6           | 20         | 3.7           | 1.359            | 0.0016                | -2.5 to 2.5 | Pass    |
|         |                 |            | 3.91          | -0.086           | -0.0001               | -2.5 to 2.5 | Pass    |
|         |                 |            | 4.3           | -1.473           | -0.0018               | -2.5 to 2.5 | Pass    |

|       |       |     |      |        |         |             |      |
|-------|-------|-----|------|--------|---------|-------------|------|
|       |       | -30 | 3.91 | 0.722  | 0.0009  | -2.5 to 2.5 | Pass |
|       |       | -20 | 3.91 | -0.114 | -0.0001 | -2.5 to 2.5 | Pass |
|       |       | -10 | 3.91 | -1.330 | -0.0016 | -2.5 to 2.5 | Pass |
|       |       | 0   | 3.91 | 0.436  | 0.0005  | -2.5 to 2.5 | Pass |
|       |       | 10  | 3.91 | -0.014 | 0.0000  | -2.5 to 2.5 | Pass |
|       |       | 30  | 3.91 | 0.336  | 0.0004  | -2.5 to 2.5 | Pass |
|       |       | 40  | 3.91 | -0.064 | -0.0001 | -2.5 to 2.5 | Pass |
|       |       | 50  | 3.91 | -1.302 | -0.0016 | -2.5 to 2.5 | Pass |
|       | 846.6 | 20  | 3.7  | -0.064 | -0.0001 | -2.5 to 2.5 | Pass |
|       |       |     | 3.91 | -1.280 | -0.0015 | -2.5 to 2.5 | Pass |
|       |       |     | 4.3  | -0.165 | -0.0002 | -2.5 to 2.5 | Pass |
|       |       | -30 | 3.91 | -1.252 | -0.0015 | -2.5 to 2.5 | Pass |
|       |       | -20 | 3.91 | -0.679 | -0.0008 | -2.5 to 2.5 | Pass |
|       |       | -10 | 3.91 | 0.265  | 0.0003  | -2.5 to 2.5 | Pass |
|       |       | 0   | 3.91 | -0.765 | -0.0009 | -2.5 to 2.5 | Pass |
|       |       | 10  | 3.91 | 1.245  | 0.0015  | -2.5 to 2.5 | Pass |
|       |       | 30  | 3.91 | -0.250 | -0.0003 | -2.5 to 2.5 | Pass |
|       |       | 40  | 3.91 | 0.401  | 0.0005  | -2.5 to 2.5 | Pass |
|       |       | 50  | 3.91 | 1.023  | 0.0012  | -2.5 to 2.5 | Pass |
| HSUPA | 826.4 | 20  | 3.7  | 0.036  | 0.0000  | -2.5 to 2.5 | Pass |
|       |       |     | 3.91 | -1.023 | -0.0012 | -2.5 to 2.5 | Pass |
|       |       |     | 4.3  | -0.987 | -0.0012 | -2.5 to 2.5 | Pass |
|       |       | -30 | 3.91 | -1.209 | -0.0015 | -2.5 to 2.5 | Pass |
|       |       | -20 | 3.91 | -2.267 | -0.0027 | -2.5 to 2.5 | Pass |
|       |       | -10 | 3.91 | -3.347 | -0.0041 | -2.5 to 2.5 | Pass |
|       |       | 0   | 3.91 | -1.488 | -0.0018 | -2.5 to 2.5 | Pass |
|       |       | 10  | 3.91 | 0.608  | 0.0007  | -2.5 to 2.5 | Pass |
|       |       | 30  | 3.91 | -1.266 | -0.0015 | -2.5 to 2.5 | Pass |
|       |       | 40  | 3.91 | -0.229 | -0.0003 | -2.5 to 2.5 | Pass |
|       |       | 50  | 3.91 | 0.165  | 0.0002  | -2.5 to 2.5 | Pass |
|       | 836.6 | 20  | 3.7  | -0.136 | -0.0002 | -2.5 to 2.5 | Pass |
|       |       |     | 3.91 | -0.372 | -0.0004 | -2.5 to 2.5 | Pass |
|       |       |     | 4.3  | -1.938 | -0.0023 | -2.5 to 2.5 | Pass |
|       |       | -30 | 3.91 | -2.024 | -0.0024 | -2.5 to 2.5 | Pass |
|       |       | -20 | 3.91 | -2.460 | -0.0029 | -2.5 to 2.5 | Pass |
|       |       | -10 | 3.91 | -1.030 | -0.0012 | -2.5 to 2.5 | Pass |
|       |       | 0   | 3.91 | -1.373 | -0.0016 | -2.5 to 2.5 | Pass |
|       |       | 10  | 3.91 | -1.802 | -0.0022 | -2.5 to 2.5 | Pass |
|       |       | 30  | 3.91 | 0.086  | 0.0001  | -2.5 to 2.5 | Pass |
|       |       | 40  | 3.91 | -1.338 | -0.0016 | -2.5 to 2.5 | Pass |
|       |       | 50  | 3.91 | -1.080 | -0.0013 | -2.5 to 2.5 | Pass |
|       | 846.6 | 20  | 3.7  | 1.338  | 0.0016  | -2.5 to 2.5 | Pass |
|       |       |     | 3.91 | -0.865 | -0.0010 | -2.5 to 2.5 | Pass |
|       |       |     | 4.3  | -2.367 | -0.0028 | -2.5 to 2.5 | Pass |
|       |       | -30 | 3.91 | -0.794 | -0.0009 | -2.5 to 2.5 | Pass |
|       |       | -20 | 3.91 | -2.210 | -0.0026 | -2.5 to 2.5 | Pass |
|       |       | -10 | 3.91 | -1.473 | -0.0017 | -2.5 to 2.5 | Pass |
|       |       | 0   | 3.91 | -1.645 | -0.0019 | -2.5 to 2.5 | Pass |
|       |       | 10  | 3.91 | -1.438 | -0.0017 | -2.5 to 2.5 | Pass |
|       |       | 30  | 3.91 | -1.338 | -0.0016 | -2.5 to 2.5 | Pass |
|       |       | 40  | 3.91 | -0.923 | -0.0011 | -2.5 to 2.5 | Pass |
|       |       | 50  | 3.91 | -1.853 | -0.0022 | -2.5 to 2.5 | Pass |

### 3. 99% & 26dB Bandwidth

#### 3.1 Test Result

##### 3.1.1 BandV\_OBW

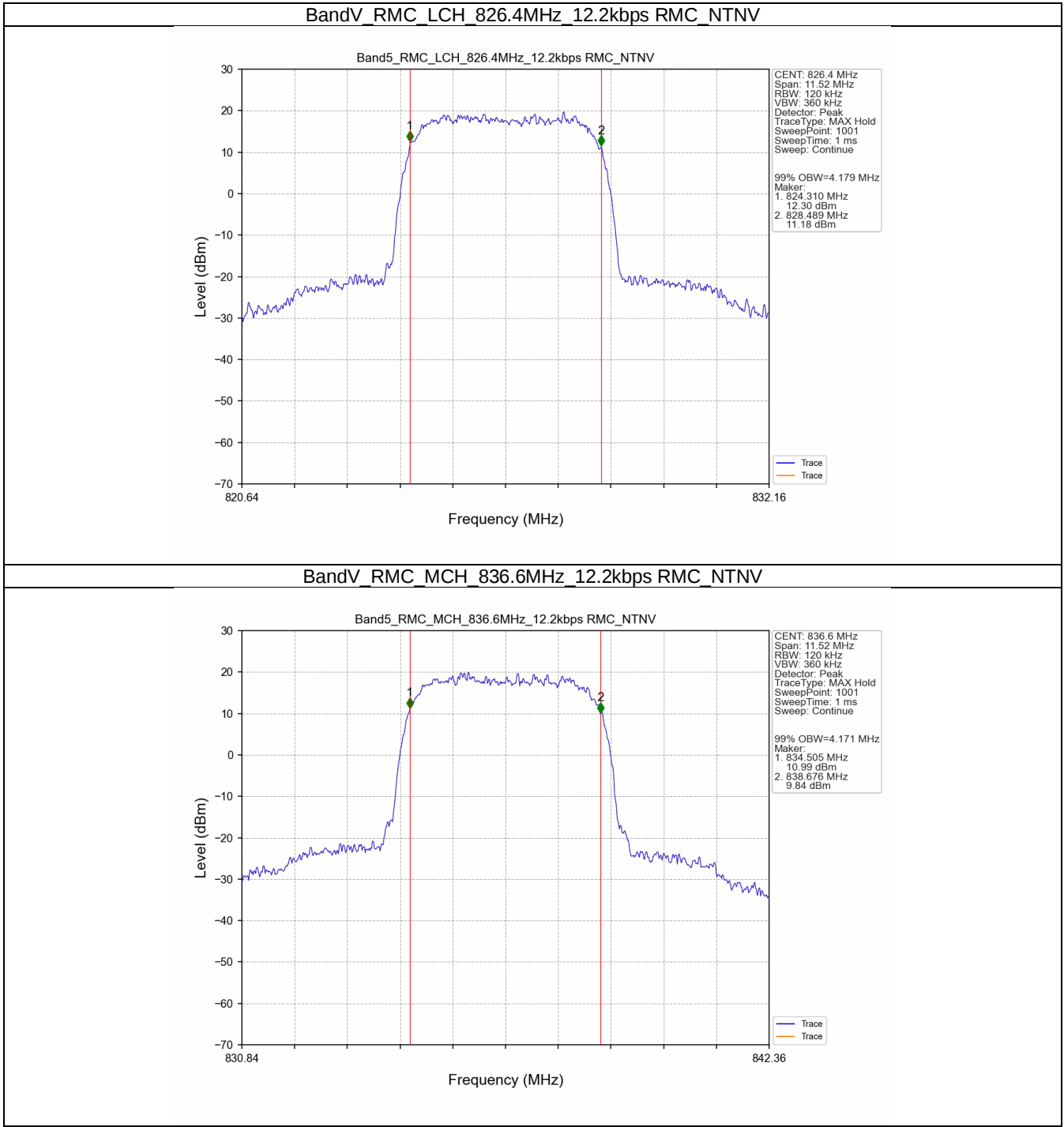
| Band: V |         |              |                 |                              |       |         |
|---------|---------|--------------|-----------------|------------------------------|-------|---------|
| ENV     | Mode    |              | Frequency (MHz) | 99% Occupied Bandwidth (MHz) |       | Verdict |
|         | Network | Subset       |                 | Result                       | Limit |         |
| NTNV    | RMC     | 12.2kbps RMC | 826.4           | 4.179                        | /     | Pass    |
|         |         |              | 836.6           | 4.171                        | /     | Pass    |
|         |         |              | 846.6           | 4.168                        | /     | Pass    |
|         | HSDPA   | Subtest 1    | 826.4           | 4.172                        | /     | Pass    |
|         |         |              | 836.6           | 4.168                        | /     | Pass    |
|         |         |              | 846.6           | 4.167                        | /     | Pass    |
|         | HSUPA   | Subtest 1    | 826.4           | 4.163                        | /     | Pass    |
|         |         |              | 836.6           | 4.170                        | /     | Pass    |
|         |         |              | 846.6           | 4.173                        | /     | Pass    |

##### 3.1.2 BandV\_XDB

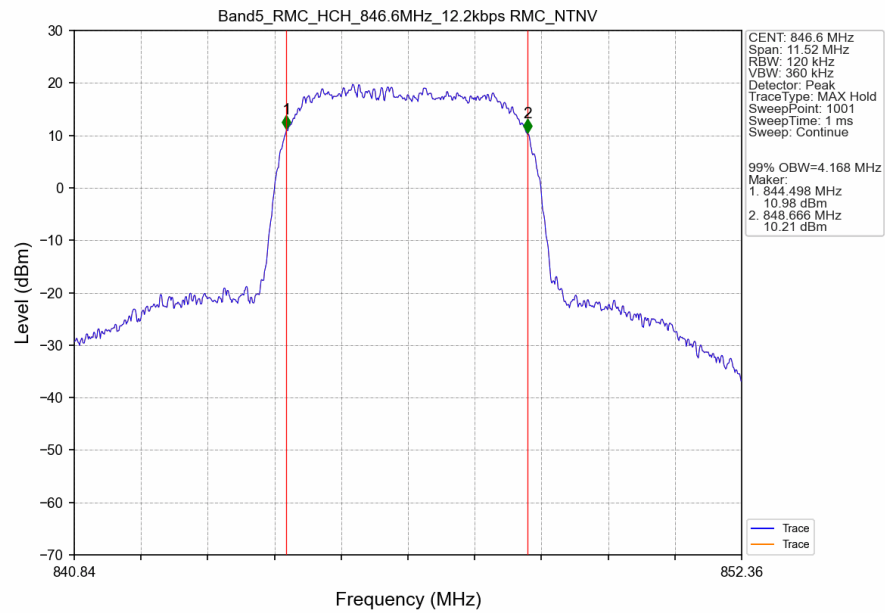
| Band: V |         |              |                 |                      |       |         |
|---------|---------|--------------|-----------------|----------------------|-------|---------|
| ENV     | Mode    |              | Frequency (MHz) | 26dB Bandwidth (MHz) |       | Verdict |
|         | Network | Subset       |                 | Result               | Limit |         |
| NTNV    | RMC     | 12.2kbps RMC | 826.4           | 4.757                | /     | Pass    |
|         |         |              | 836.6           | 4.749                | /     | Pass    |
|         |         |              | 846.6           | 4.729                | /     | Pass    |
|         | HSDPA   | Subtest 1    | 826.4           | 4.754                | /     | Pass    |
|         |         |              | 836.6           | 4.740                | /     | Pass    |
|         |         |              | 846.6           | 4.733                | /     | Pass    |
|         | HSUPA   | Subtest 1    | 826.4           | 4.705                | /     | Pass    |
|         |         |              | 836.6           | 4.729                | /     | Pass    |
|         |         |              | 846.6           | 4.734                | /     | Pass    |

3.2 Test Graph

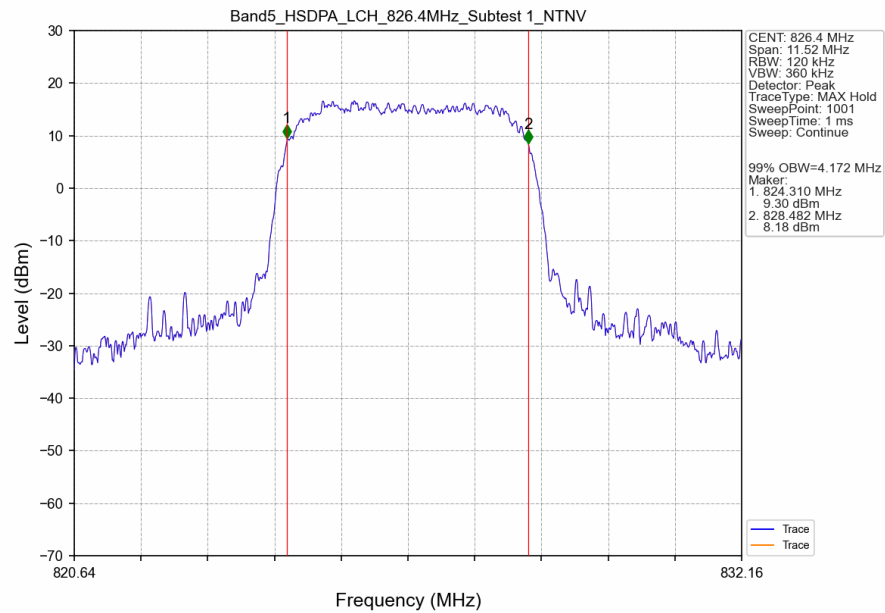
3.2.1 BandV\_OBW



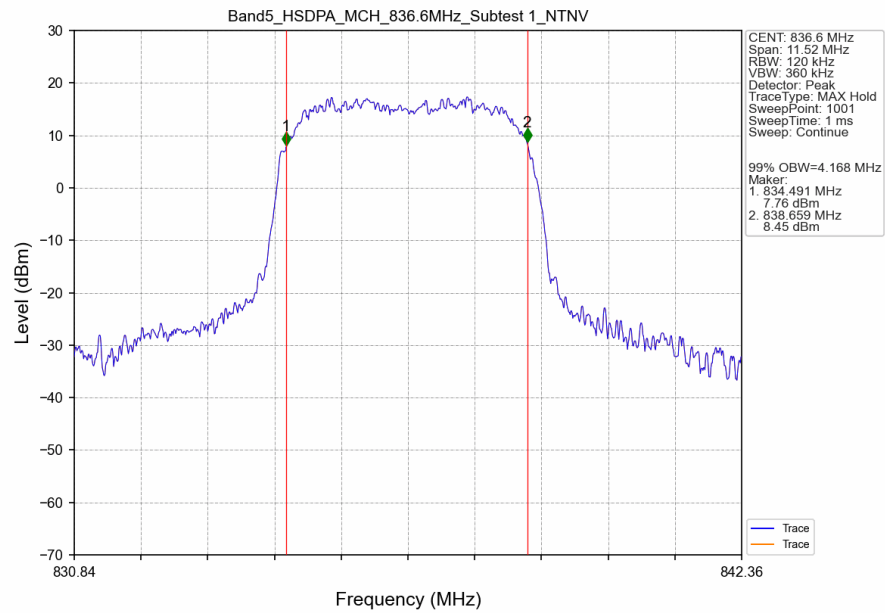
BandV RMC HCH 846.6MHz 12.2kbps RMC NTN



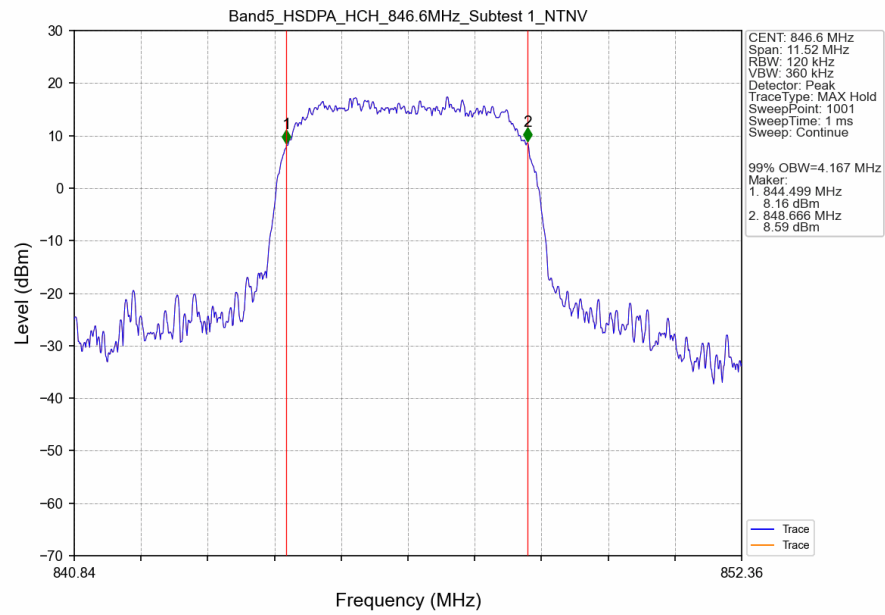
BandV HSDPA LCH 826.4MHz Subtest 1 NTN



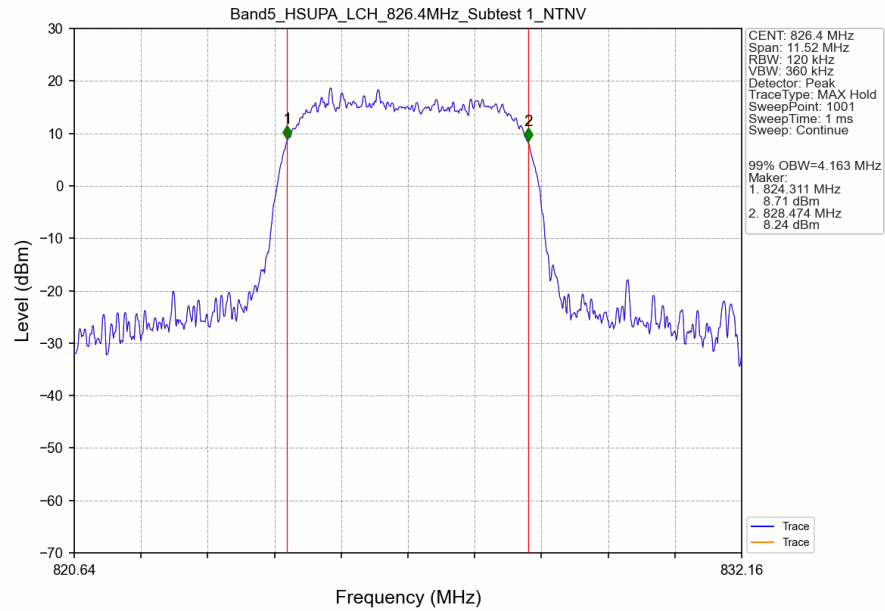
# BandV HSDPA MCH 836.6MHz Subtest 1 NTN



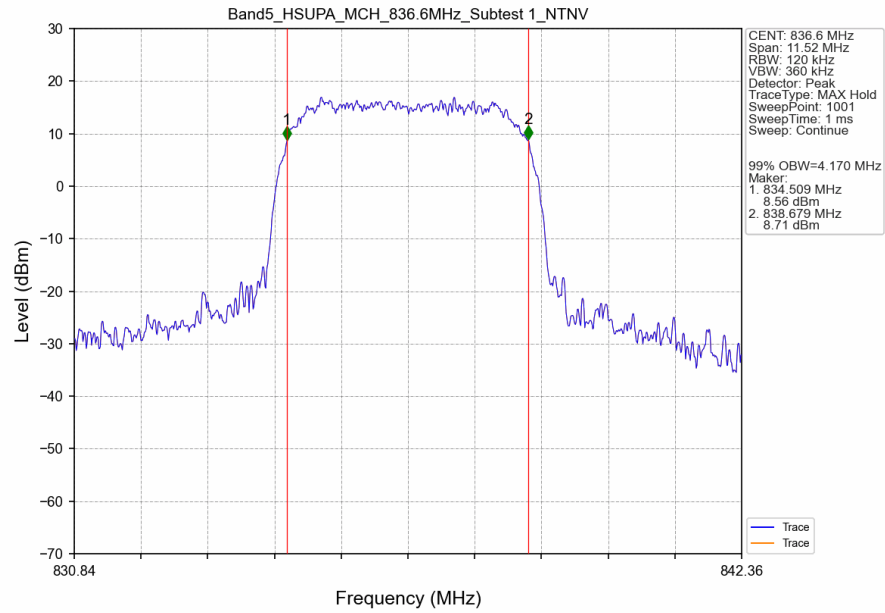
# BandV HSDPA HCH 846.6MHz Subtest 1 NTN



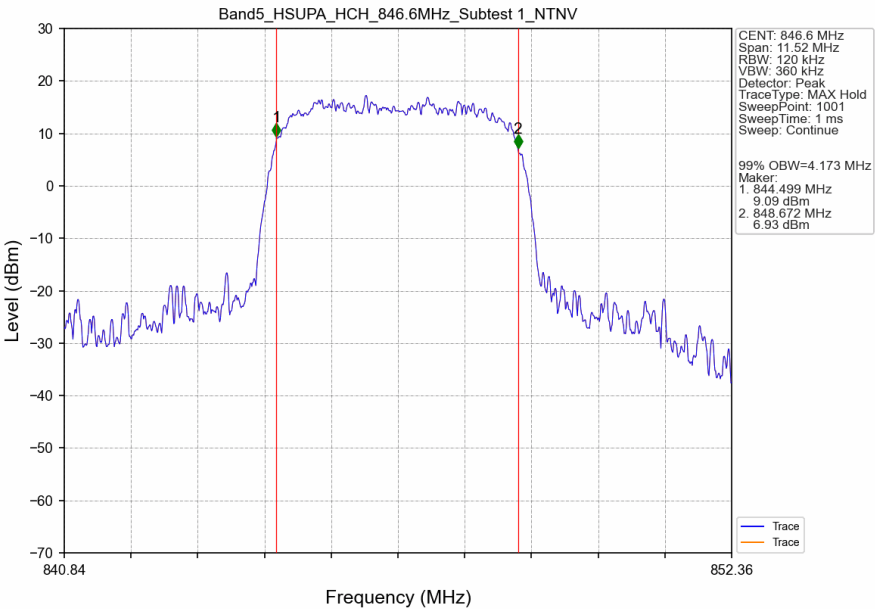
### BandV\_HSUPA\_LCH\_826.4MHz\_Subtest 1\_NTNV



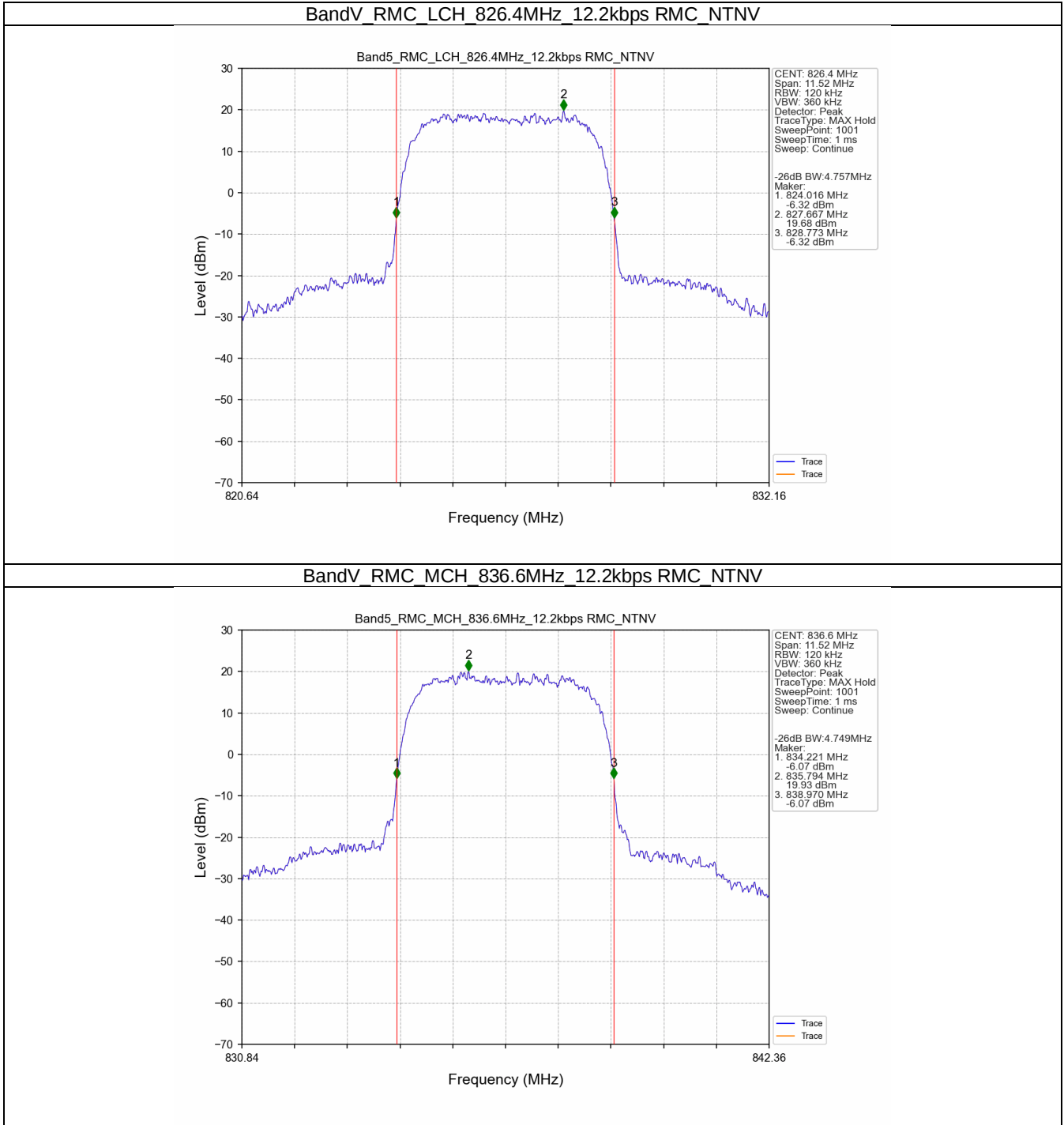
### BandV\_HSUPA\_MCH\_836.6MHz\_Subtest 1\_NTNV



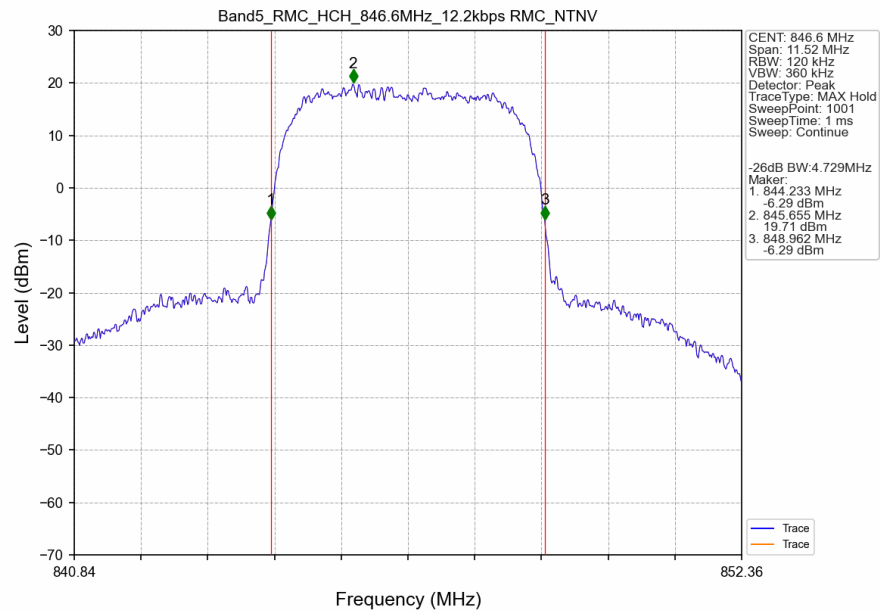
BandV HSUPA HCH 846.6MHz Subtest 1 NTN



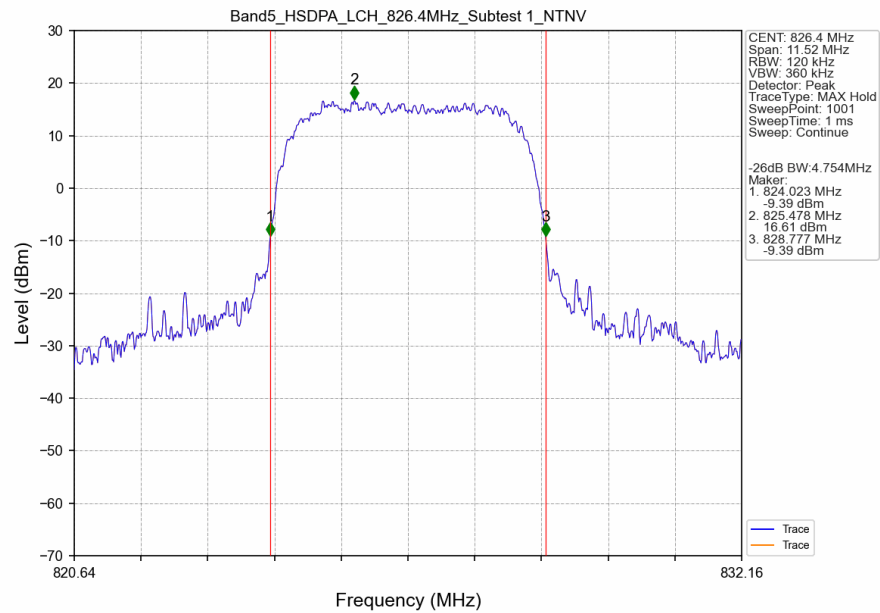
3.2.2 BandV\_XDB



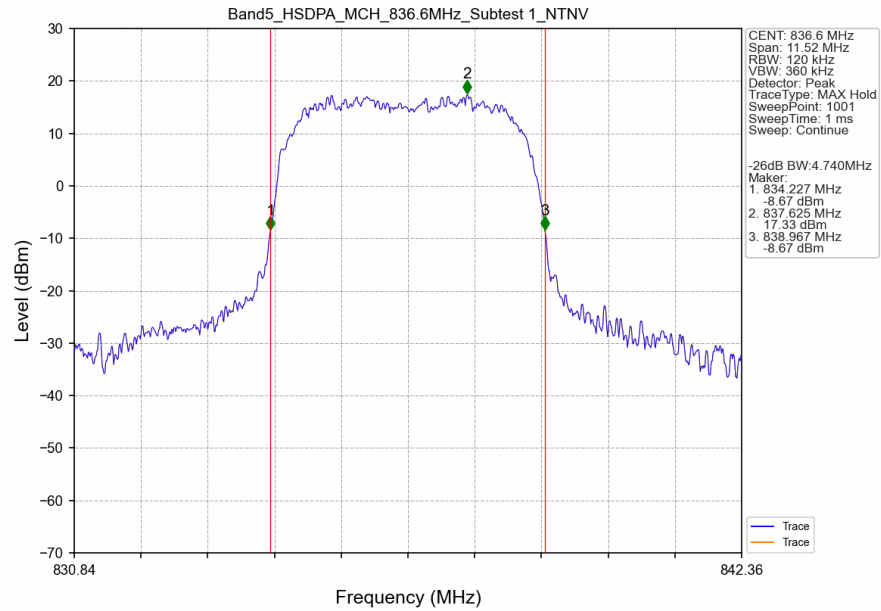
# BandV RMC HCH 846.6MHz 12.2kbps RMC NTN



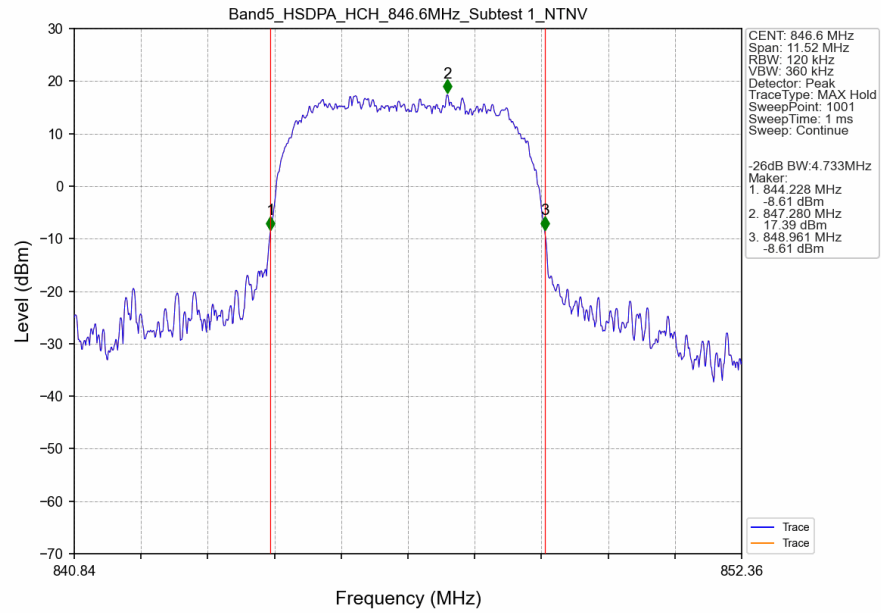
# BandV HSDPA LCH 826.4MHz Subtest 1 NTN



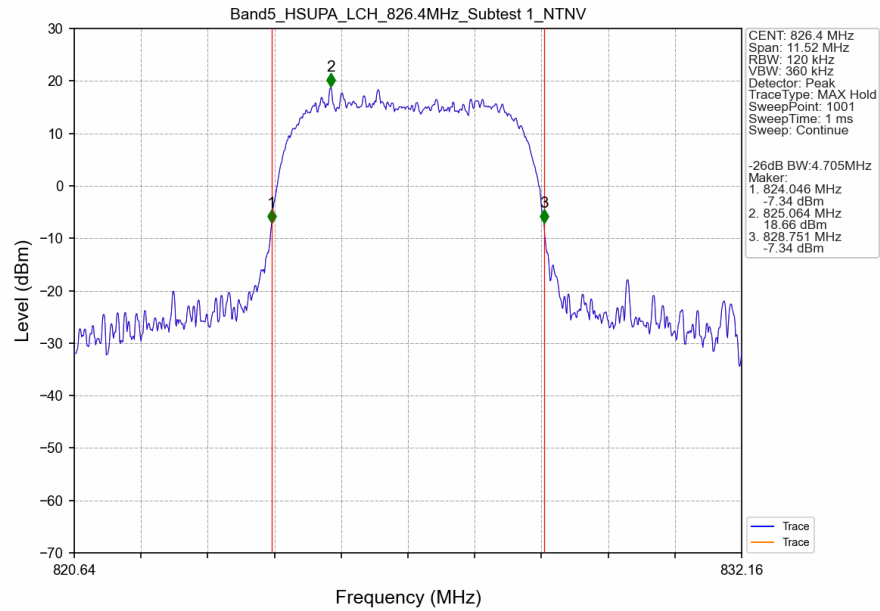
# BandV HSDPA MCH 836.6MHz Subtest 1 NTN



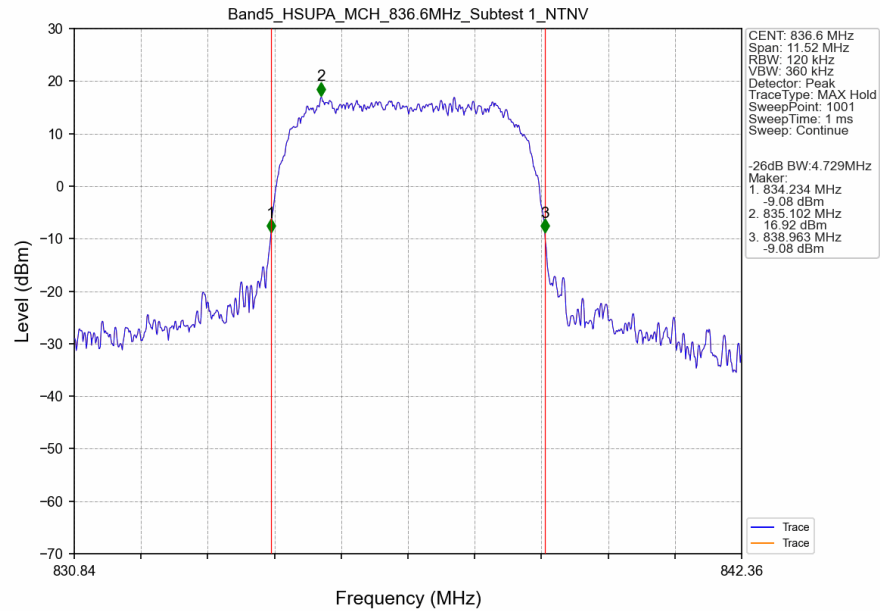
# BandV HSDPA HCH 846.6MHz Subtest 1 NTN



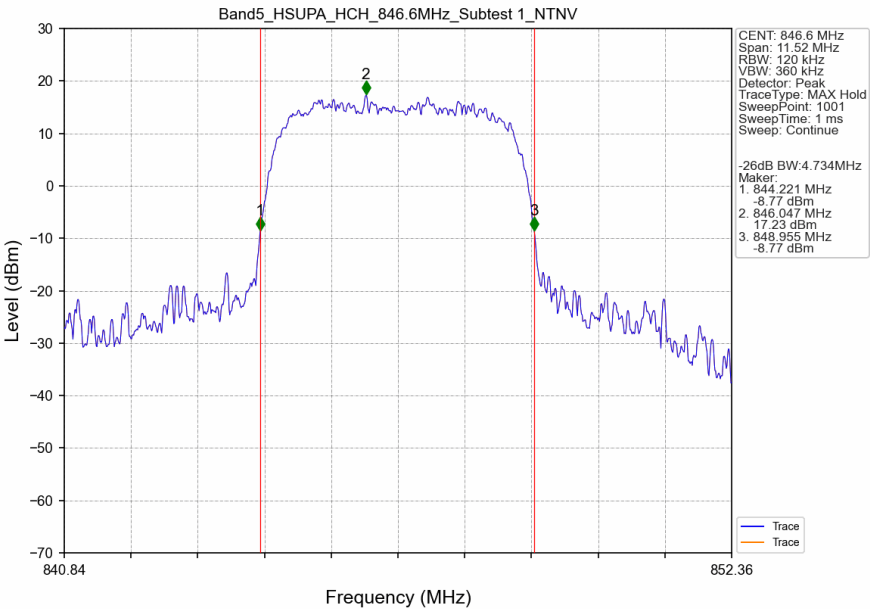
### BandV\_HSUPA\_LCH\_826.4MHz\_Subtest 1\_NTNV



### BandV\_HSUPA\_MCH\_836.6MHz\_Subtest 1\_NTNV



BandV HSUPA HCH 846.6MHz Subtest 1 NTN



## 4. Peak-Average Ratio

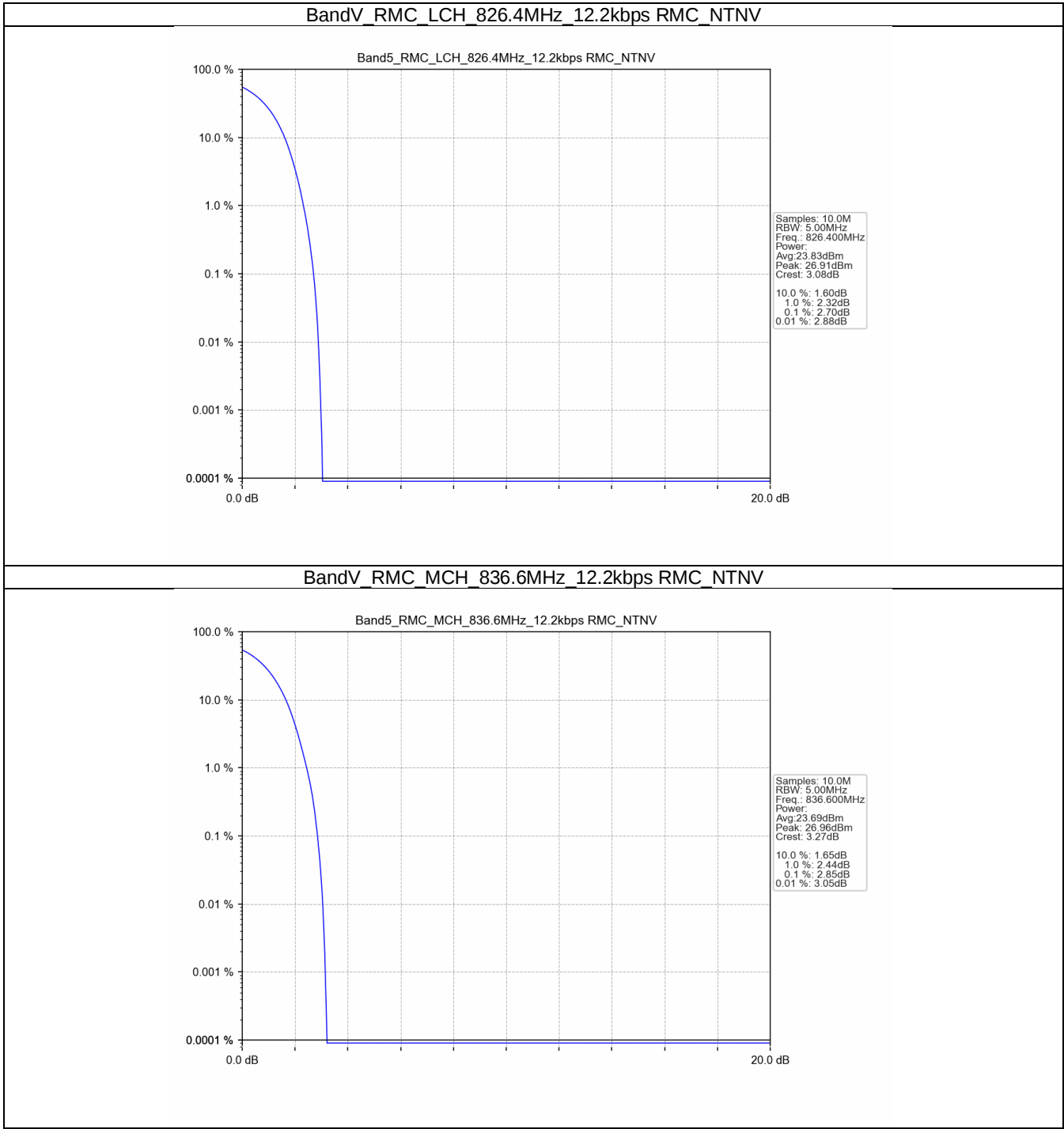
### 4.1 Test Result

#### 4.1.1 BandV

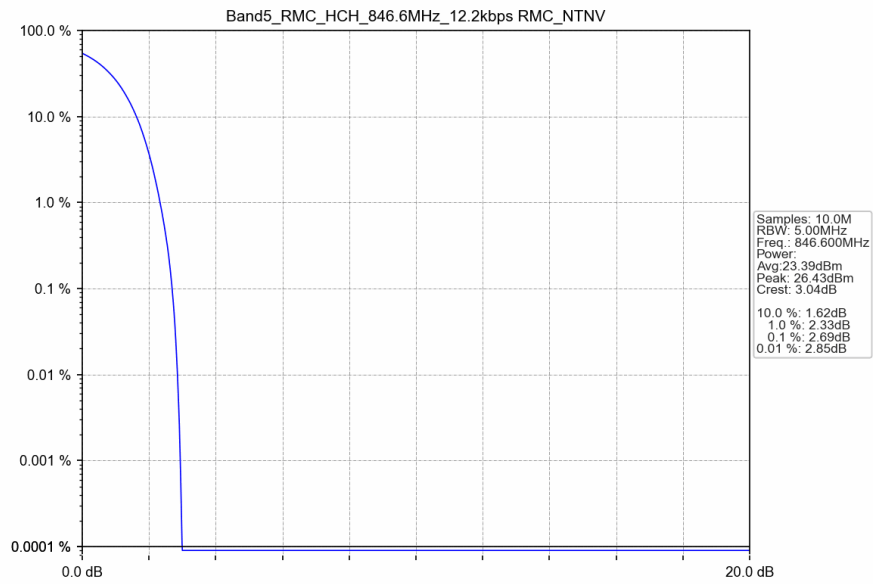
| Band: V |         |              |                    |                         |       |         |
|---------|---------|--------------|--------------------|-------------------------|-------|---------|
| ENV     | Mode    |              | Frequency<br>(MHz) | Peak-Average Ratio (dB) |       | Verdict |
|         | Network | Subset       |                    | Result                  | Limit |         |
| NTNV    | RMC     | 12.2kbps RMC | 826.4              | 2.70                    | <=13  | Pass    |
|         |         |              | 836.6              | 2.85                    | <=13  | Pass    |
|         |         |              | 846.6              | 2.69                    | <=13  | Pass    |
|         | HSDPA   | Subtest 1    | 826.4              | 5.77                    | <=13  | Pass    |
|         |         |              | 836.6              | 5.82                    | <=13  | Pass    |
|         |         |              | 846.6              | 5.87                    | <=13  | Pass    |
|         | HSUPA   | Subtest 1    | 826.4              | 6.48                    | <=13  | Pass    |
|         |         |              | 836.6              | 6.73                    | <=13  | Pass    |
|         |         |              | 846.6              | 6.68                    | <=13  | Pass    |

# 4.2 Test Graph

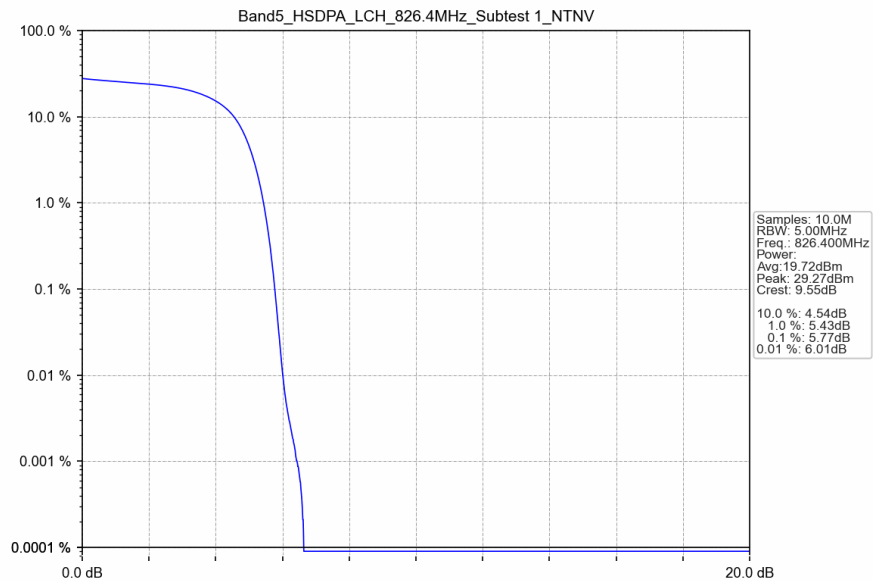
## 4.2.1 BandV



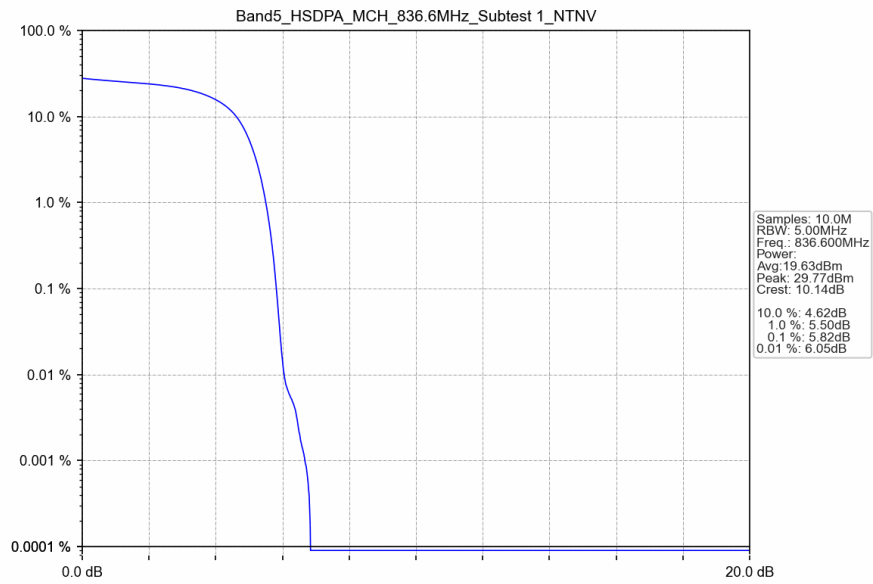
# BandV RMC HCH 846.6MHz 12.2kbps RMC NTN



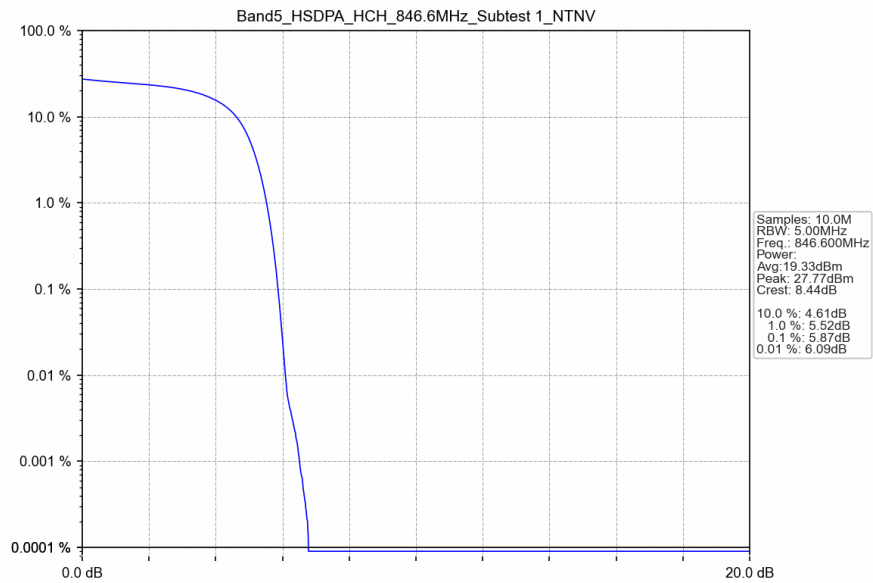
# BandV HSDPA LCH 826.4MHz Subtest 1 NTN



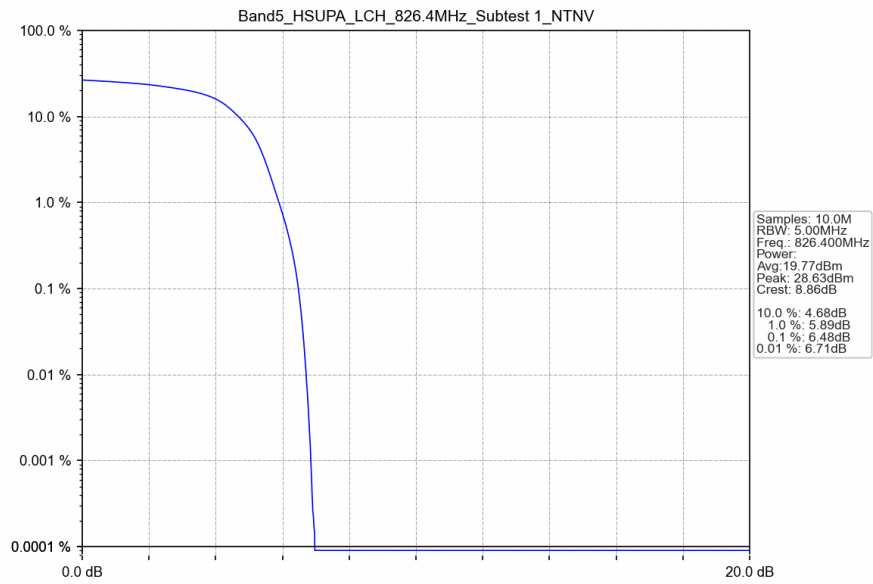
# BandV HSDPA MCH 836.6MHz Subtest 1\_NTNV



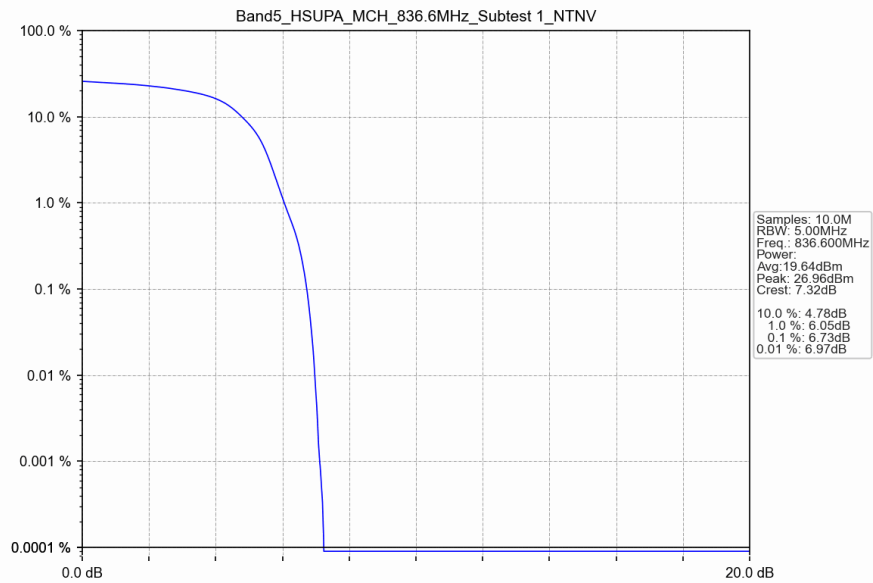
# BandV HSDPA HCH 846.6MHz Subtest 1\_NTNV



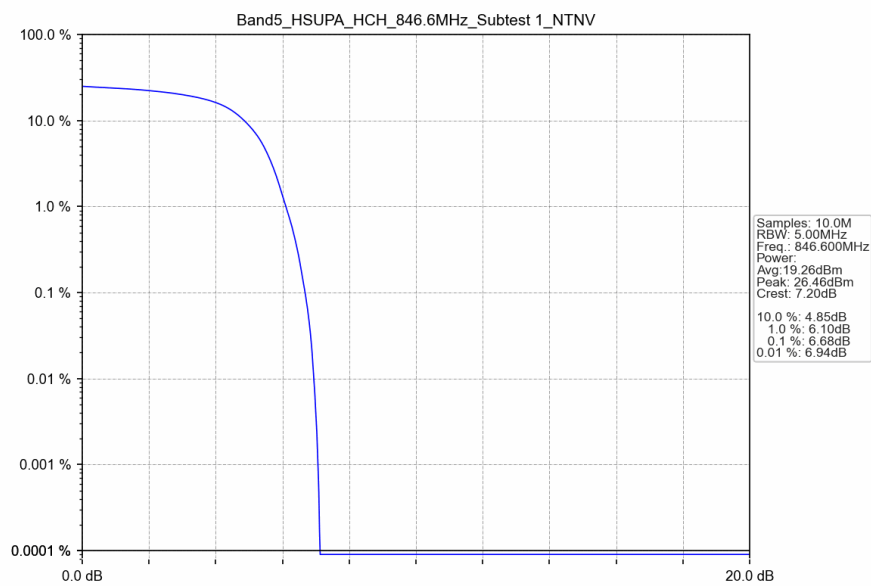
### BandV HSUPA LCH 826.4MHz Subtest 1\_NTNV



### BandV HSUPA MCH 836.6MHz Subtest 1\_NTNV



BandV HSUPA HCH 846.6MHz Subtest 1 NTN



## 5. Spurious Emission

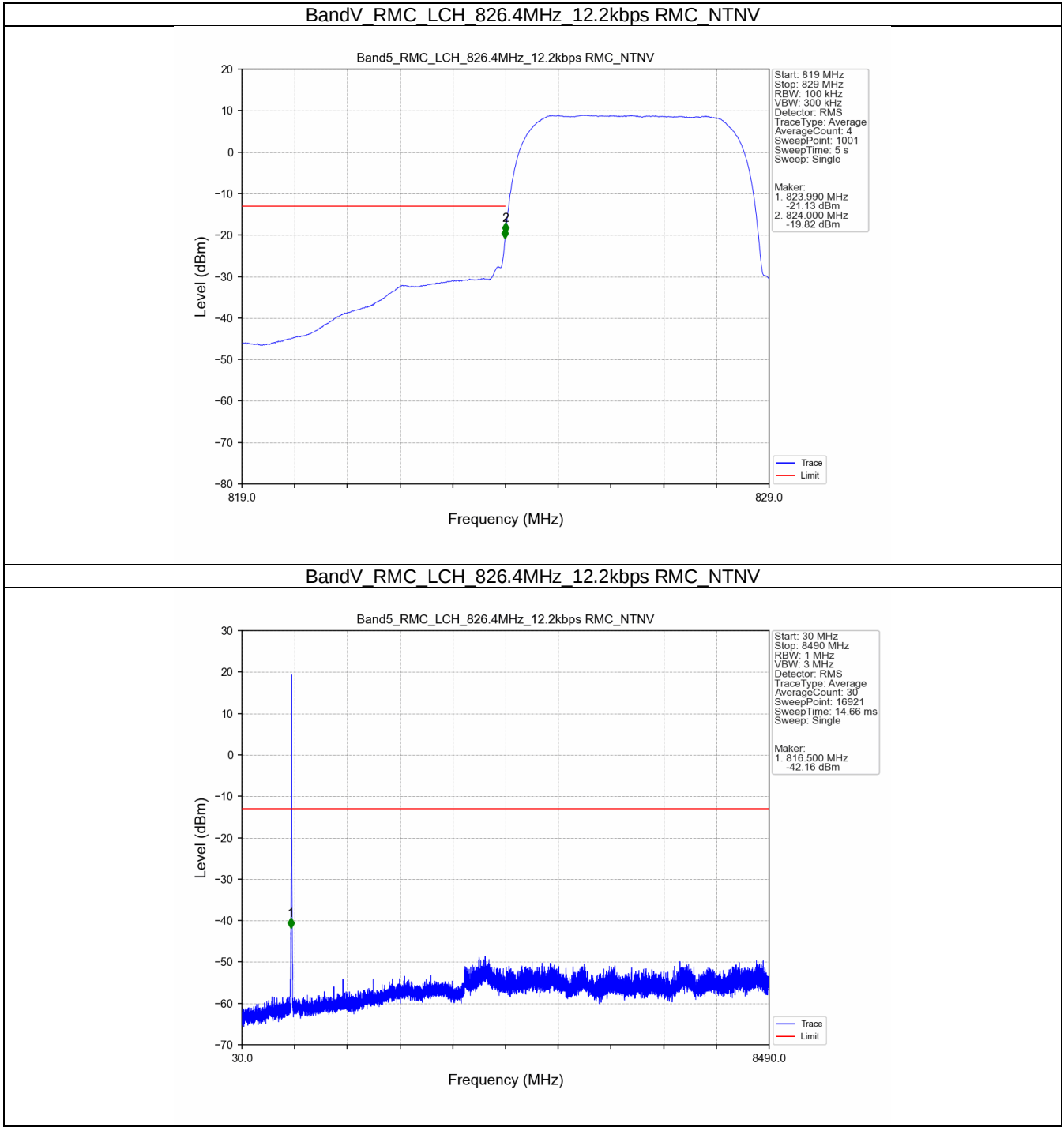
### 5.1 Test Result

#### 5.1.1 BandV

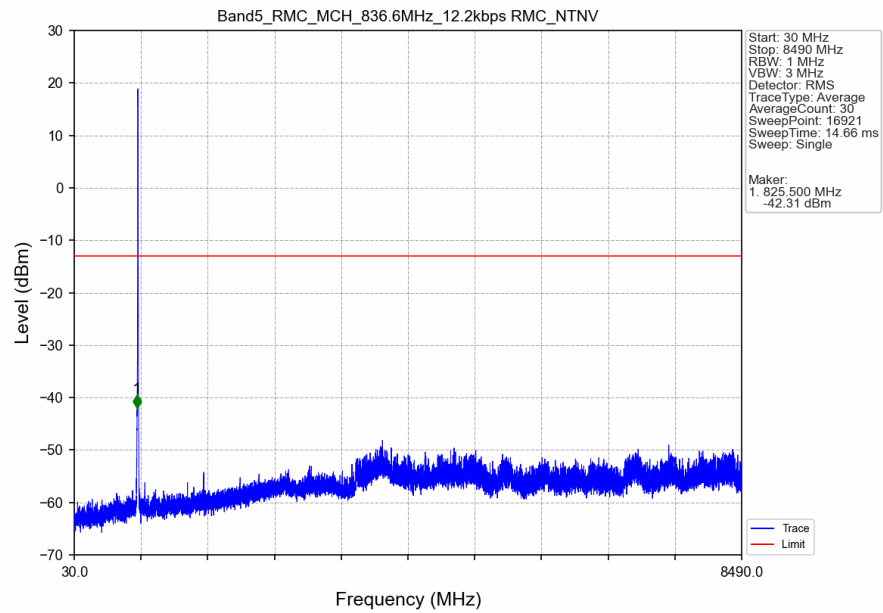
| Band: V |         |              |                    |                     |       |         |
|---------|---------|--------------|--------------------|---------------------|-------|---------|
| ENV     | Mode    |              | Frequency<br>(MHz) | Spurious Emission   |       | Verdict |
|         | Network | Subset       |                    | Result              | Limit |         |
| NTNV    | RMC     | 12.2kbps RMC | 826.4              | Refer To Test Graph | Pass  |         |
|         |         |              | 836.6              | Refer To Test Graph | Pass  |         |
|         |         |              | 846.6              | Refer To Test Graph | Pass  |         |
|         | HSDPA   | Subtest 1    | 826.4              | Refer To Test Graph | Pass  |         |
|         |         |              | 836.6              | Refer To Test Graph | Pass  |         |
|         |         |              | 846.6              | Refer To Test Graph | Pass  |         |
|         | HSUPA   | Subtest 1    | 826.4              | Refer To Test Graph | Pass  |         |
|         |         |              | 836.6              | Refer To Test Graph | Pass  |         |
|         |         |              | 846.6              | Refer To Test Graph | Pass  |         |

5.2 Test Graph

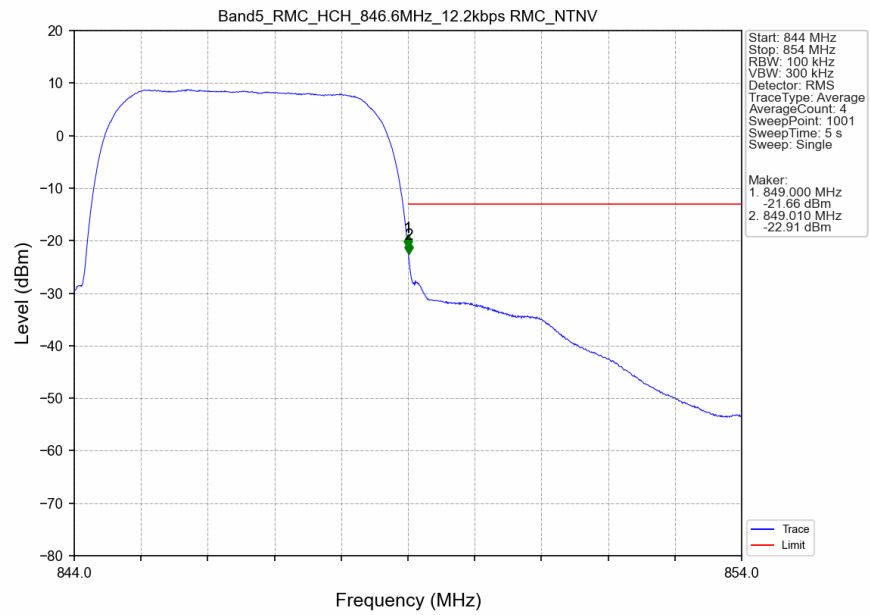
5.2.1 BandV



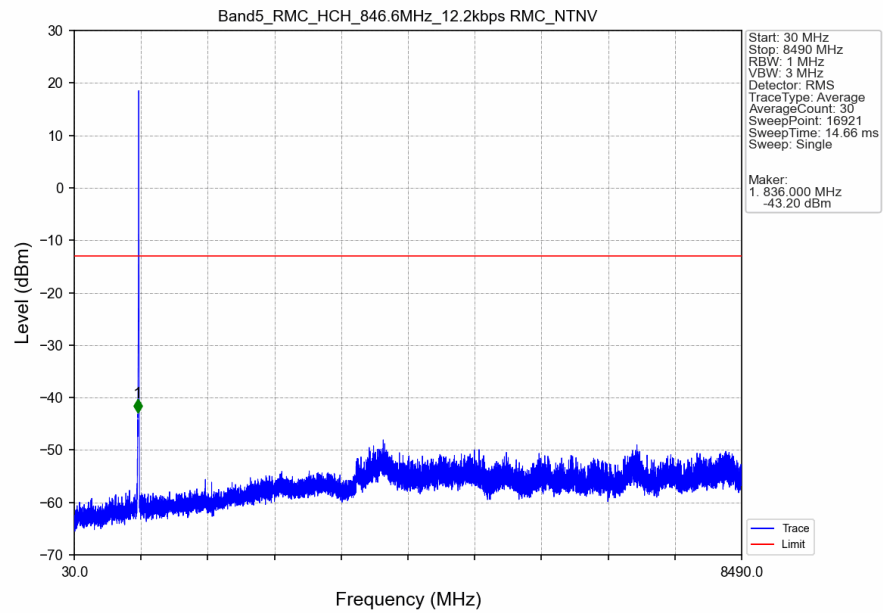
# BandV\_RMC\_MCH\_836.6MHz\_12.2kbps\_RMC\_NTNV



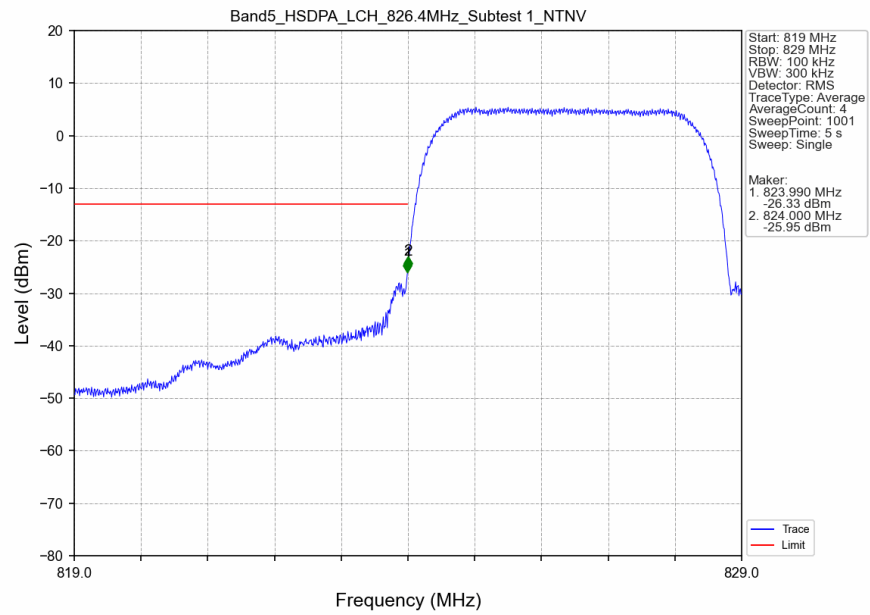
# BandV\_RMC\_HCH\_846.6MHz\_12.2kbps\_RMC\_NTNV



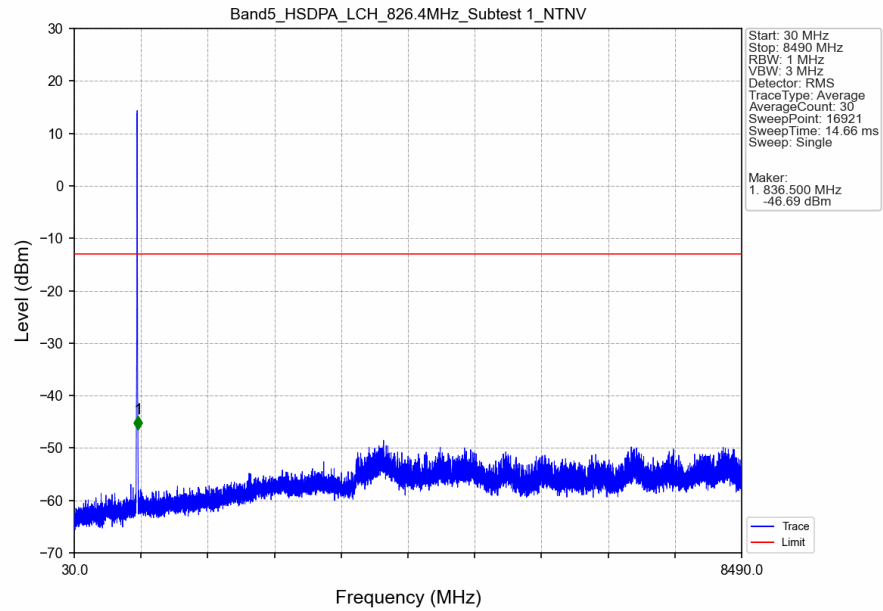
# BandV RMC HCH 846.6MHz 12.2kbps RMC NTN



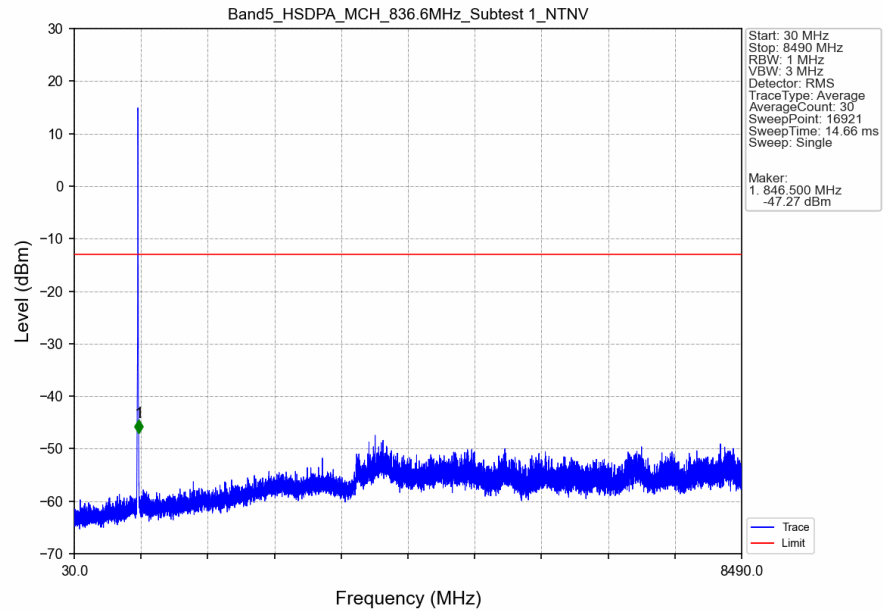
# BandV HSDPA LCH 826.4MHz Subtest 1 NTN



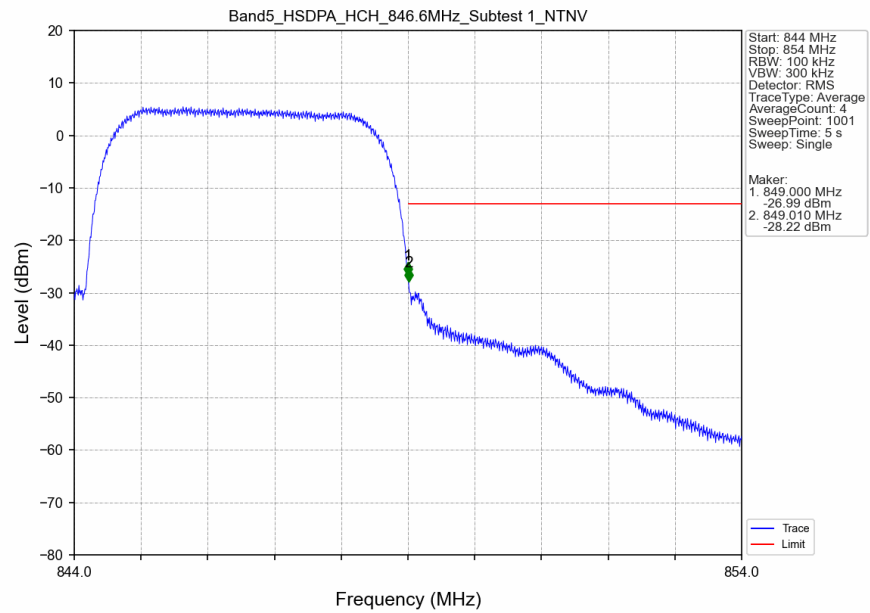
### BandV HSDPA LCH 826.4MHz Subtest 1 NTN



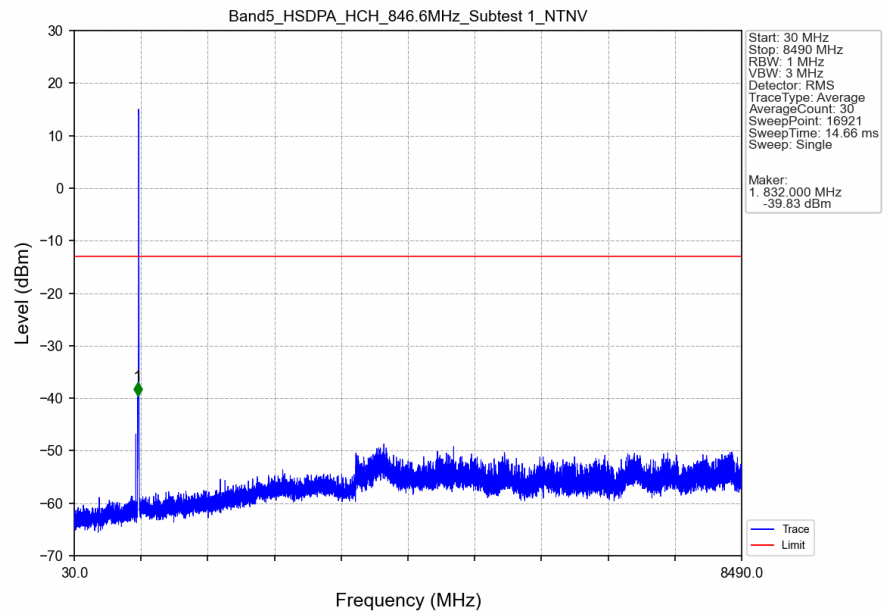
### BandV HSDPA MCH 836.6MHz Subtest 1 NTN



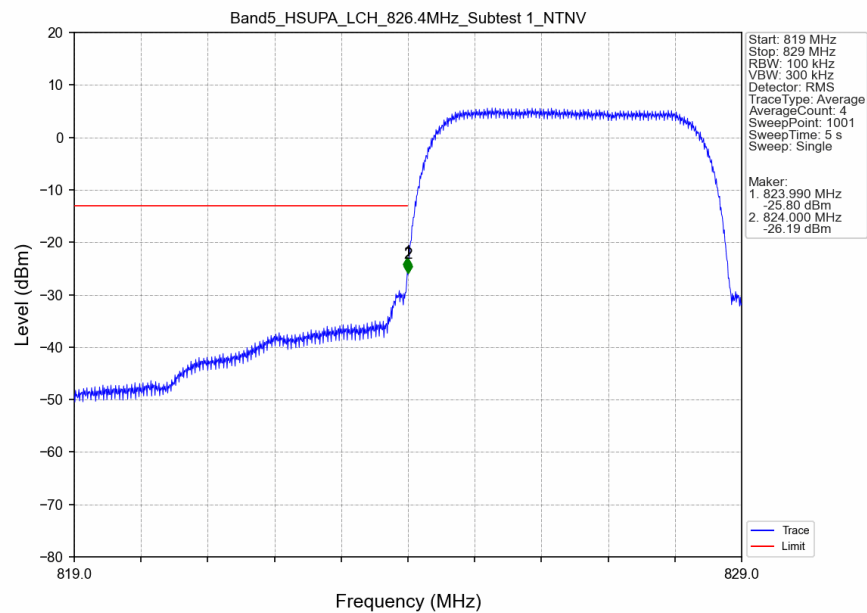
# BandV HSDPA HCH 846.6MHz Subtest 1\_NTNV



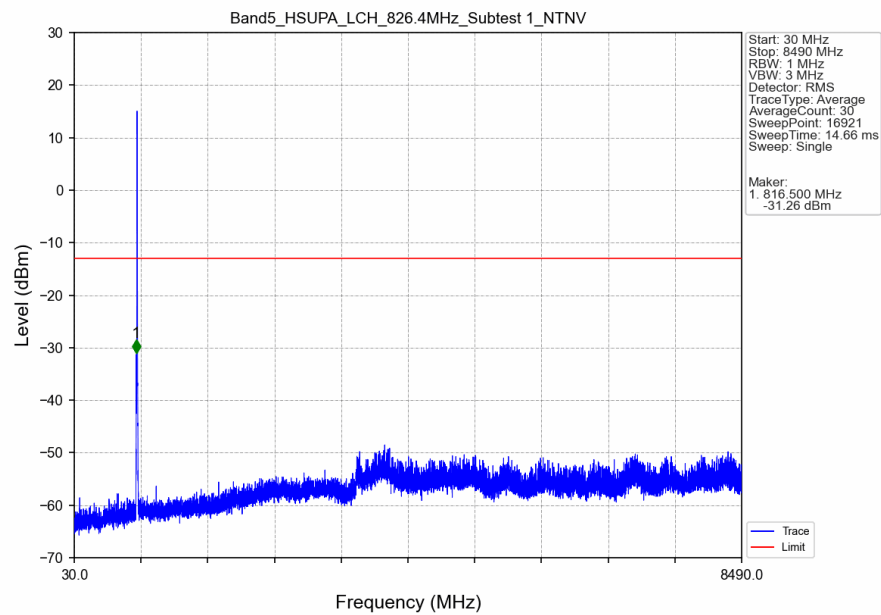
# BandV HSDPA HCH 846.6MHz Subtest 1\_NTNV



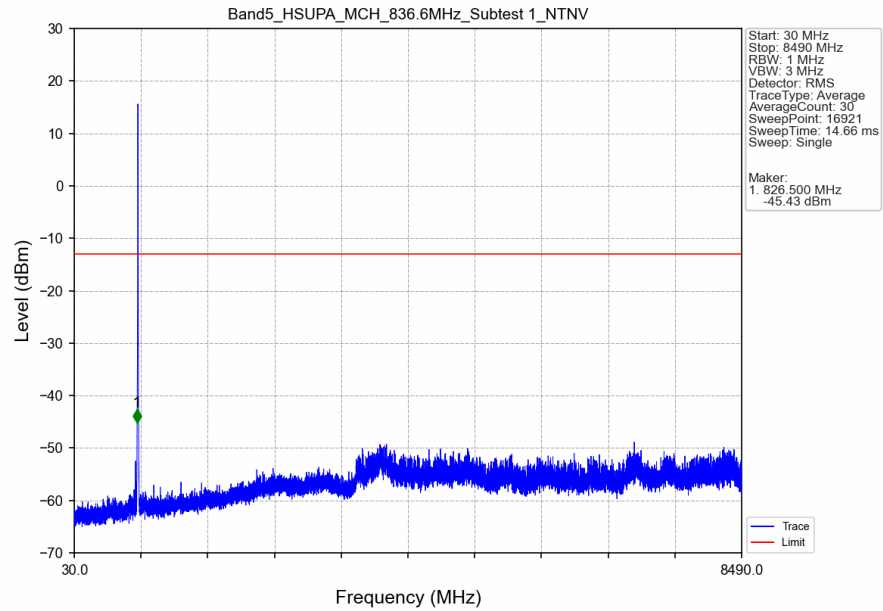
BandV HSUPA LCH 826.4MHz Subtest 1 NTN



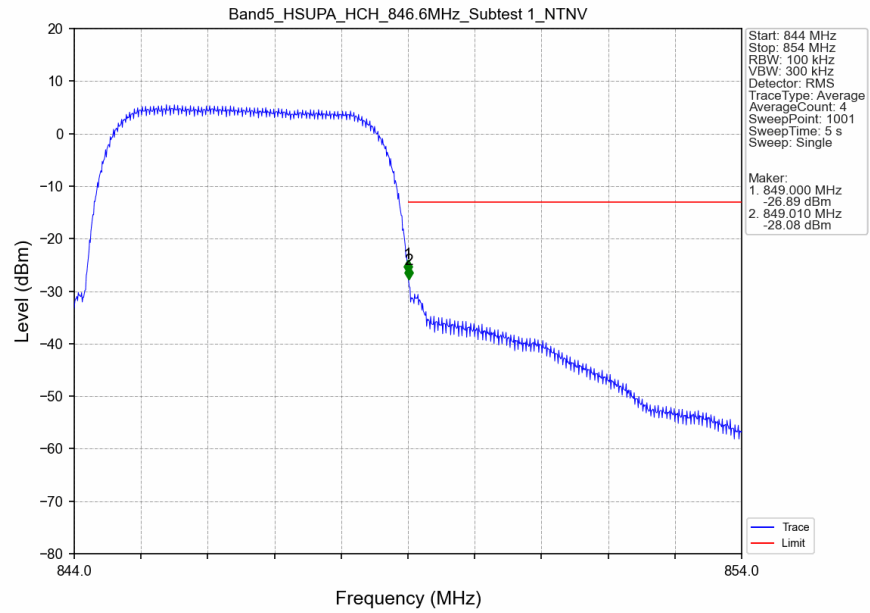
BandV HSUPA LCH 826.4MHz Subtest 1 NTN



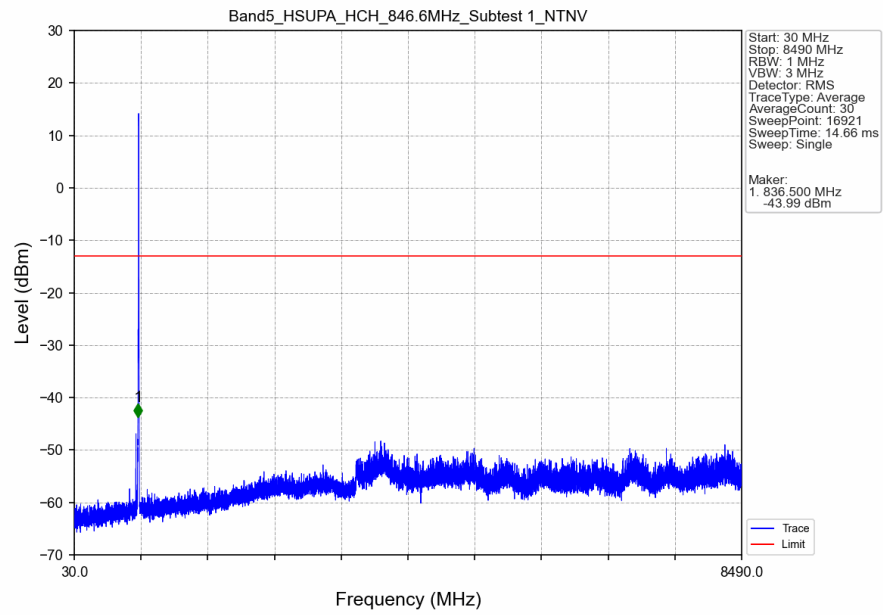
# BandV\_HSUPA\_MCH\_836.6MHz\_Subtest 1\_NTNV



# BandV\_HSUPA\_HCH\_846.6MHz\_Subtest 1\_NTNV



# BandV HSUPA HCH 846.6MHz Subtest 1 NTN



## 6. Field Strength of Spurious Radiation

| WCDMA Band V ANT13-Low channel |            |             |                 |                  |                 |                    |                    |        |
|--------------------------------|------------|-------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz)                | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable Loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 1652.8                         | -67.39     | -13         | -54.39          | -70.26           | 2.62            | 5.49               | Horizontal         | Pass   |
| 2479.2                         | -62.74     | -13         | -49.74          | -65.44           | 3.07            | 5.77               | Horizontal         | Pass   |
| 3305.6                         | -61.82     | -13         | -48.82          | -66.2            | 3.3             | 7.68               | Horizontal         | Pass   |
| 1652.8                         | -66.31     | -13         | -53.31          | -69.18           | 2.62            | 5.49               | Vertical           | Pass   |
| 2479.2                         | -62.66     | -13         | -49.66          | -65.36           | 3.07            | 5.77               | Vertical           | Pass   |
| 3305.6                         | -62.7      | -13         | -49.7           | -67.08           | 3.3             | 7.68               | Vertical           | Pass   |

| WCDMA Band V ANT13-Middle channel |            |             |                 |                  |                 |                    |                    |        |
|-----------------------------------|------------|-------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz)                   | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable Loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 1672.8                            | -66.2      | -13         | -53.2           | -69.01           | 2.63            | 5.44               | Horizontal         | Pass   |
| 2509.2                            | -64.09     | -13         | -51.09          | -66.85           | 3.08            | 5.84               | Horizontal         | Pass   |
| 3345.6                            | -62.5      | -13         | -49.5           | -66.96           | 3.32            | 7.78               | Horizontal         | Pass   |
| 1672.8                            | -67.2      | -13         | -54.2           | -70.01           | 2.63            | 5.44               | Vertical           | Pass   |
| 2509.2                            | -62.05     | -13         | -49.05          | -64.81           | 3.08            | 5.84               | Vertical           | Pass   |
| 3345.6                            | -62.72     | -13         | -49.72          | -67.18           | 3.32            | 7.78               | Vertical           | Pass   |

| WCDMA Band V ANT13-High channel |            |             |                 |                  |                 |                    |                    |        |
|---------------------------------|------------|-------------|-----------------|------------------|-----------------|--------------------|--------------------|--------|
| Frequency (MHz)                 | EIRP (dBm) | Limit (dBm) | Over Limit (dB) | S.G. Power (dBm) | Cable Loss (dB) | Antenna Gain (dBi) | Polarization (H/V) | Result |
| 1693.2                          | -66.76     | -13         | -53.76          | -69.52           | 2.63            | 5.39               | Horizontal         | Pass   |
| 2539.8                          | -64.02     | -13         | -51.02          | -66.84           | 3.09            | 5.91               | Horizontal         | Pass   |
| 3386.4                          | -62.05     | -13         | -49.05          | -66.6            | 3.34            | 7.89               | Horizontal         | Pass   |
| 1693.2                          | -66.75     | -13         | -53.75          | -69.51           | 2.63            | 5.39               | Vertical           | Pass   |
| 2539.8                          | -63.19     | -13         | -50.19          | -66.01           | 3.09            | 5.91               | Vertical           | Pass   |
| 3386.4                          | -61.12     | -13         | -48.12          | -65.67           | 3.34            | 7.89               | Vertical           | Pass   |