

# 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              | 23.58                    | 0.30          | 21.73     | <=38.45 | Pass    |
|         |         |              | 836.6              | 23.61                    | 0.30          | 21.76     | <=38.45 | Pass    |
|         |         |              | 846.6              | 23.64                    | 0.30          | 21.79     | <=38.45 | Pass    |
|         | HSDPA   | Subtest 1    | 826.4              | 21.45                    | 0.30          | 19.60     | <=38.45 | Pass    |
|         |         | Subtest 2    | 826.4              | 21.45                    | 0.30          | 19.60     | <=38.45 | Pass    |
|         |         | Subtest 3    | 826.4              | 21.42                    | 0.30          | 19.57     | <=38.45 | Pass    |
|         |         | Subtest 4    | 826.4              | 21.44                    | 0.30          | 19.59     | <=38.45 | Pass    |
|         |         | Subtest 1    | 836.6              | 21.62                    | 0.30          | 19.77     | <=38.45 | Pass    |
|         |         | Subtest 2    | 836.6              | 21.62                    | 0.30          | 19.77     | <=38.45 | Pass    |
|         |         | Subtest 3    | 836.6              | 21.62                    | 0.30          | 19.77     | <=38.45 | Pass    |
|         |         | Subtest 4    | 836.6              | 21.62                    | 0.30          | 19.77     | <=38.45 | Pass    |
|         |         | Subtest 1    | 846.6              | 21.78                    | 0.30          | 19.93     | <=38.45 | Pass    |
|         |         | Subtest 2    | 846.6              | 21.77                    | 0.30          | 19.92     | <=38.45 | Pass    |
|         |         | Subtest 3    | 846.6              | 21.77                    | 0.30          | 19.92     | <=38.45 | Pass    |
|         |         | Subtest 4    | 846.6              | 21.77                    | 0.30          | 19.92     | <=38.45 | Pass    |
|         | HSUPA   | Subtest 1    | 826.4              | 19.80                    | 0.30          | 17.95     | <=38.45 | Pass    |
|         |         | Subtest 2    | 826.4              | 19.36                    | 0.30          | 17.51     | <=38.45 | Pass    |
|         |         | Subtest 3    | 826.4              | 19.33                    | 0.30          | 17.48     | <=38.45 | Pass    |
|         |         | Subtest 4    | 826.4              | 19.53                    | 0.30          | 17.68     | <=38.45 | Pass    |
|         |         | Subtest 5    | 826.4              | 19.62                    | 0.30          | 17.77     | <=38.45 | Pass    |
|         |         | Subtest 1    | 836.6              | 19.62                    | 0.30          | 17.77     | <=38.45 | Pass    |
|         |         | Subtest 2    | 836.6              | 19.91                    | 0.30          | 18.06     | <=38.45 | Pass    |
|         |         | Subtest 3    | 836.6              | 19.65                    | 0.30          | 17.80     | <=38.45 | Pass    |
|         |         | Subtest 4    | 836.6              | 19.89                    | 0.30          | 18.04     | <=38.45 | Pass    |
|         |         | Subtest 5    | 836.6              | 19.69                    | 0.30          | 17.84     | <=38.45 | Pass    |
|         |         | Subtest 1    | 846.6              | 19.72                    | 0.30          | 17.87     | <=38.45 | Pass    |
|         |         | Subtest 2    | 846.6              | 19.97                    | 0.30          | 18.12     | <=38.45 | Pass    |
|         |         | Subtest 3    | 846.6              | 19.49                    | 0.30          | 17.64     | <=38.45 | Pass    |
|         |         | Subtest 4    | 846.6              | 19.72                    | 0.30          | 17.87     | <=38.45 | Pass    |
|         |         | Subtest 5    | 846.6              | 19.74                    | 0.30          | 17.89     | <=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         | LV            | -1.424           | -0.0017               | -2.5 to 2.5 | Pass    |
|         |                 |            | NV            | -0.409           | -0.0005               | -2.5 to 2.5 | Pass    |
|         |                 |            | HV            | 0.524            | 0.0006                | -2.5 to 2.5 | Pass    |
|         |                 | -30        | NV            | -0.859           | -0.0010               | -2.5 to 2.5 | Pass    |
|         |                 | -20        | NV            | -1.626           | -0.0020               | -2.5 to 2.5 | Pass    |
|         |                 | -10        | NV            | -0.540           | -0.0007               | -2.5 to 2.5 | Pass    |
|         |                 | 0          | NV            | -0.275           | -0.0003               | -2.5 to 2.5 | Pass    |
|         |                 | 10         | NV            | -0.755           | -0.0009               | -2.5 to 2.5 | Pass    |
|         |                 | 30         | NV            | -0.885           | -0.0011               | -2.5 to 2.5 | Pass    |
|         |                 | 40         | NV            | -1.167           | -0.0014               | -2.5 to 2.5 | Pass    |
|         |                 | 50         | NV            | -1.167           | -0.0014               | -2.5 to 2.5 | Pass    |
|         | 836.6           | 20         | LV            | -0.636           | -0.0008               | -2.5 to 2.5 | Pass    |
|         |                 |            | NV            | -0.782           | -0.0009               | -2.5 to 2.5 | Pass    |
|         |                 |            | HV            | -0.995           | -0.0012               | -2.5 to 2.5 | Pass    |
|         |                 | -30        | NV            | 0.598            | 0.0007                | -2.5 to 2.5 | Pass    |
|         |                 | -20        | NV            | -1.646           | -0.0020               | -2.5 to 2.5 | Pass    |
|         |                 | -10        | NV            | -0.341           | -0.0004               | -2.5 to 2.5 | Pass    |
|         |                 | 0          | NV            | -0.729           | -0.0009               | -2.5 to 2.5 | Pass    |
|         |                 | 10         | NV            | 0.595            | 0.0007                | -2.5 to 2.5 | Pass    |
|         |                 | 30         | NV            | -1.065           | -0.0013               | -2.5 to 2.5 | Pass    |
|         |                 | 40         | NV            | -0.974           | -0.0012               | -2.5 to 2.5 | Pass    |
|         |                 | 50         | NV            | -1.044           | -0.0012               | -2.5 to 2.5 | Pass    |
|         | 846.6           | 20         | LV            | 0.988            | 0.0012                | -2.5 to 2.5 | Pass    |
|         |                 |            | NV            | -0.020           | 0.0000                | -2.5 to 2.5 | Pass    |
|         |                 |            | HV            | -0.432           | -0.0005               | -2.5 to 2.5 | Pass    |
|         |                 | -30        | NV            | -0.184           | -0.0002               | -2.5 to 2.5 | Pass    |
|         |                 | -20        | NV            | -0.157           | -0.0002               | -2.5 to 2.5 | Pass    |
|         |                 | -10        | NV            | 0.033            | 0.0000                | -2.5 to 2.5 | Pass    |
|         |                 | 0          | NV            | -0.909           | -0.0011               | -2.5 to 2.5 | Pass    |
|         |                 | 10         | NV            | -0.545           | -0.0006               | -2.5 to 2.5 | Pass    |
|         |                 | 30         | NV            | 0.982            | 0.0012                | -2.5 to 2.5 | Pass    |
|         |                 | 40         | NV            | -0.819           | -0.0010               | -2.5 to 2.5 | Pass    |
| HSDPA   | 826.4           | 20         | LV            | 0.314            | 0.0004                | -2.5 to 2.5 | Pass    |
|         |                 |            | NV            | -1.798           | -0.0022               | -2.5 to 2.5 | Pass    |
|         |                 |            | HV            | -2.138           | -0.0026               | -2.5 to 2.5 | Pass    |
|         |                 | -30        | NV            | 1.187            | 0.0014                | -2.5 to 2.5 | Pass    |
|         |                 | -20        | NV            | 0.242            | 0.0003                | -2.5 to 2.5 | Pass    |
|         |                 | -10        | NV            | 0.479            | 0.0006                | -2.5 to 2.5 | Pass    |
|         |                 | 0          | NV            | -0.287           | -0.0003               | -2.5 to 2.5 | Pass    |
|         |                 | 10         | NV            | -0.614           | -0.0007               | -2.5 to 2.5 | Pass    |
|         |                 | 30         | NV            | 0.211            | 0.0003                | -2.5 to 2.5 | Pass    |
|         |                 | 40         | NV            | -0.140           | -0.0002               | -2.5 to 2.5 | Pass    |
|         |                 | 50         | NV            | -0.659           | -0.0008               | -2.5 to 2.5 | Pass    |
|         | 836.6           | 20         | LV            | -0.207           | -0.0002               | -2.5 to 2.5 | Pass    |
|         |                 |            | NV            | -0.447           | -0.0005               | -2.5 to 2.5 | Pass    |
|         |                 |            | HV            | -0.669           | -0.0008               | -2.5 to 2.5 | Pass    |

|       |       |     |    |        |         |             |      |
|-------|-------|-----|----|--------|---------|-------------|------|
|       |       | -30 | NV | -0.335 | -0.0004 | -2.5 to 2.5 | Pass |
|       |       | -20 | NV | -1.797 | -0.0021 | -2.5 to 2.5 | Pass |
|       |       | -10 | NV | -0.384 | -0.0005 | -2.5 to 2.5 | Pass |
|       |       | 0   | NV | -0.496 | -0.0006 | -2.5 to 2.5 | Pass |
|       |       | 10  | NV | -0.391 | -0.0005 | -2.5 to 2.5 | Pass |
|       |       | 30  | NV | -0.346 | -0.0004 | -2.5 to 2.5 | Pass |
|       |       | 40  | NV | 0.016  | 0.0000  | -2.5 to 2.5 | Pass |
|       |       | 50  | NV | -1.423 | -0.0017 | -2.5 to 2.5 | Pass |
|       | 846.6 | 20  | LV | 0.314  | 0.0004  | -2.5 to 2.5 | Pass |
|       |       |     | NV | 1.555  | 0.0018  | -2.5 to 2.5 | Pass |
|       |       |     | HV | 0.410  | 0.0005  | -2.5 to 2.5 | Pass |
|       |       | -30 | NV | 0.481  | 0.0006  | -2.5 to 2.5 | Pass |
|       |       | -20 | NV | -0.533 | -0.0006 | -2.5 to 2.5 | Pass |
|       |       | -10 | NV | -0.899 | -0.0011 | -2.5 to 2.5 | Pass |
|       |       | 0   | NV | 3.751  | 0.0044  | -2.5 to 2.5 | Pass |
|       |       | 10  | NV | -0.666 | -0.0008 | -2.5 to 2.5 | Pass |
|       |       | 30  | NV | -1.163 | -0.0014 | -2.5 to 2.5 | Pass |
|       |       | 40  | NV | 0.556  | 0.0007  | -2.5 to 2.5 | Pass |
|       |       | 50  | NV | 1.264  | 0.0015  | -2.5 to 2.5 | Pass |
| HSUPA | 826.4 | 20  | LV | -2.153 | -0.0026 | -2.5 to 2.5 | Pass |
|       |       |     | NV | -2.201 | -0.0027 | -2.5 to 2.5 | Pass |
|       |       |     | HV | -2.090 | -0.0025 | -2.5 to 2.5 | Pass |
|       |       | -30 | NV | 0.001  | 0.0000  | -2.5 to 2.5 | Pass |
|       |       | -20 | NV | -0.986 | -0.0012 | -2.5 to 2.5 | Pass |
|       |       | -10 | NV | -1.822 | -0.0022 | -2.5 to 2.5 | Pass |
|       |       | 0   | NV | -1.018 | -0.0012 | -2.5 to 2.5 | Pass |
|       |       | 10  | NV | -1.807 | -0.0022 | -2.5 to 2.5 | Pass |
|       |       | 30  | NV | -2.294 | -0.0028 | -2.5 to 2.5 | Pass |
|       |       | 40  | NV | -1.988 | -0.0024 | -2.5 to 2.5 | Pass |
|       |       | 50  | NV | -2.694 | -0.0033 | -2.5 to 2.5 | Pass |
|       | 836.6 | 20  | LV | -0.634 | -0.0008 | -2.5 to 2.5 | Pass |
|       |       |     | NV | -1.681 | -0.0020 | -2.5 to 2.5 | Pass |
|       |       |     | HV | -1.193 | -0.0014 | -2.5 to 2.5 | Pass |
|       |       | -30 | NV | -1.692 | -0.0020 | -2.5 to 2.5 | Pass |
|       |       | -20 | NV | 0.394  | 0.0005  | -2.5 to 2.5 | Pass |
|       |       | -10 | NV | -1.435 | -0.0017 | -2.5 to 2.5 | Pass |
|       |       | 0   | NV | -1.405 | -0.0017 | -2.5 to 2.5 | Pass |
|       |       | 10  | NV | 0.110  | 0.0001  | -2.5 to 2.5 | Pass |
|       |       | 30  | NV | -0.056 | -0.0001 | -2.5 to 2.5 | Pass |
|       |       | 40  | NV | -1.396 | -0.0017 | -2.5 to 2.5 | Pass |
|       |       | 50  | NV | -1.144 | -0.0014 | -2.5 to 2.5 | Pass |
|       | 846.6 | 20  | LV | -1.819 | -0.0021 | -2.5 to 2.5 | Pass |
|       |       |     | NV | -1.728 | -0.0020 | -2.5 to 2.5 | Pass |
|       |       |     | HV | -3.471 | -0.0041 | -2.5 to 2.5 | Pass |
|       |       | -30 | NV | -0.707 | -0.0008 | -2.5 to 2.5 | Pass |
|       |       | -20 | NV | -0.728 | -0.0009 | -2.5 to 2.5 | Pass |
|       |       | -10 | NV | -2.155 | -0.0025 | -2.5 to 2.5 | Pass |
|       |       | 0   | NV | -2.971 | -0.0035 | -2.5 to 2.5 | Pass |
|       |       | 10  | NV | -2.007 | -0.0024 | -2.5 to 2.5 | Pass |
|       |       | 30  | NV | -0.574 | -0.0007 | -2.5 to 2.5 | Pass |
|       |       | 40  | NV | -1.513 | -0.0018 | -2.5 to 2.5 | Pass |
|       |       | 50  | NV | -0.495 | -0.0006 | -2.5 to 2.5 | Pass |

### 3. 99% & 26dB Bandwidth

#### 3.1 Test Result

##### 3.1.1 BandV\_OBW

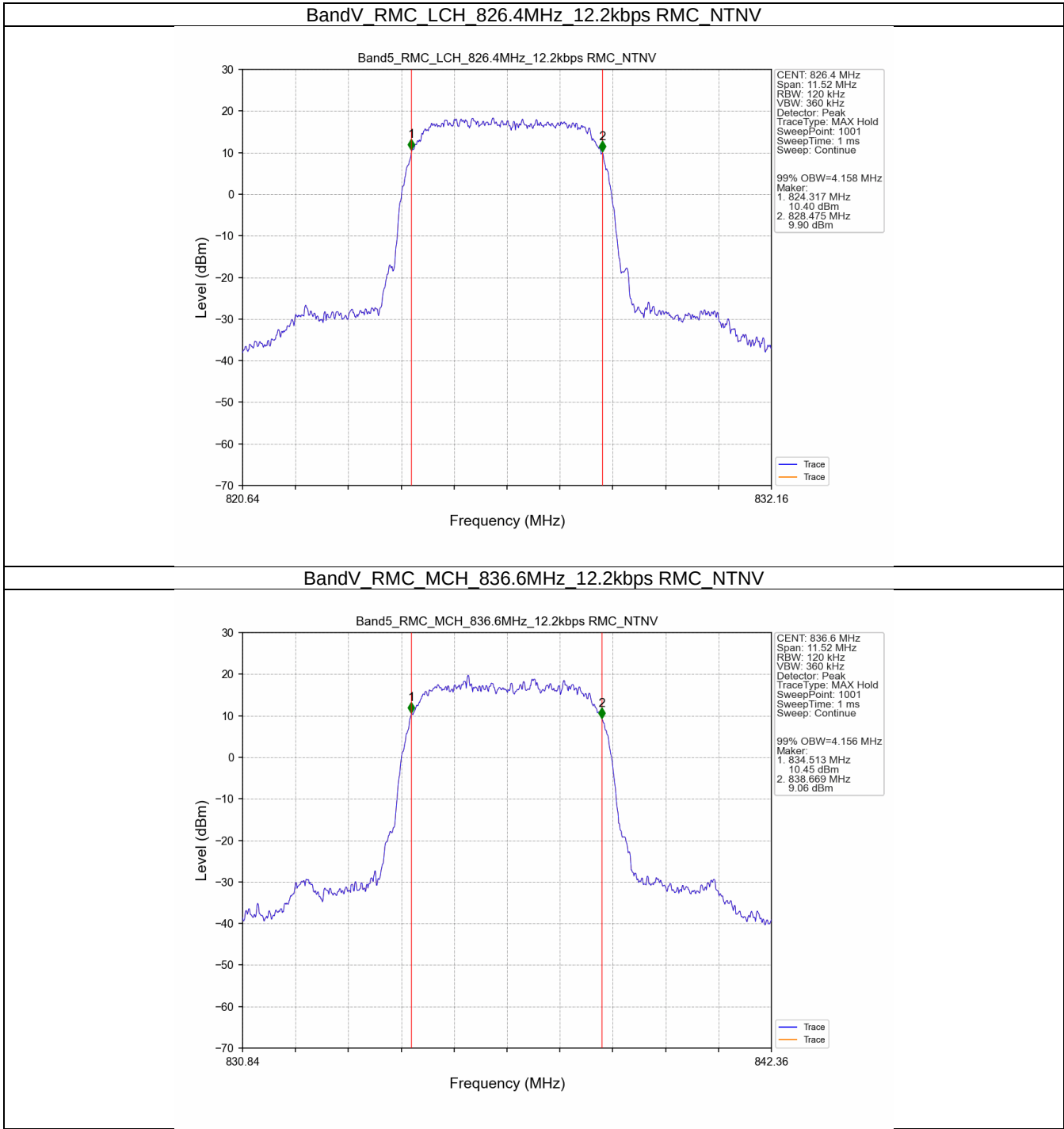
| Band: V |         |              |                 |                              |       |         |
|---------|---------|--------------|-----------------|------------------------------|-------|---------|
| ENV     | Mode    |              | Frequency (MHz) | 99% Occupied Bandwidth (MHz) |       | Verdict |
|         | Network | Subset       |                 | Result                       | Limit |         |
| NTNV    | RMC     | 12.2kbps RMC | 826.4           | 4.158                        | /     | Pass    |
|         |         |              | 836.6           | 4.156                        | /     | Pass    |
|         |         |              | 846.6           | 4.158                        | /     | Pass    |
|         | HSDPA   | Subtest 1    | 826.4           | 4.168                        | /     | Pass    |
|         |         |              | 836.6           | 4.168                        | /     | Pass    |
|         |         |              | 846.6           | 4.157                        | /     | Pass    |
|         | HSUPA   | Subtest 1    | 826.4           | 4.173                        | /     | Pass    |
|         |         |              | 836.6           | 4.172                        | /     | Pass    |
|         |         |              | 846.6           | 4.160                        | /     | Pass    |

##### 3.1.2 BandV\_XDB

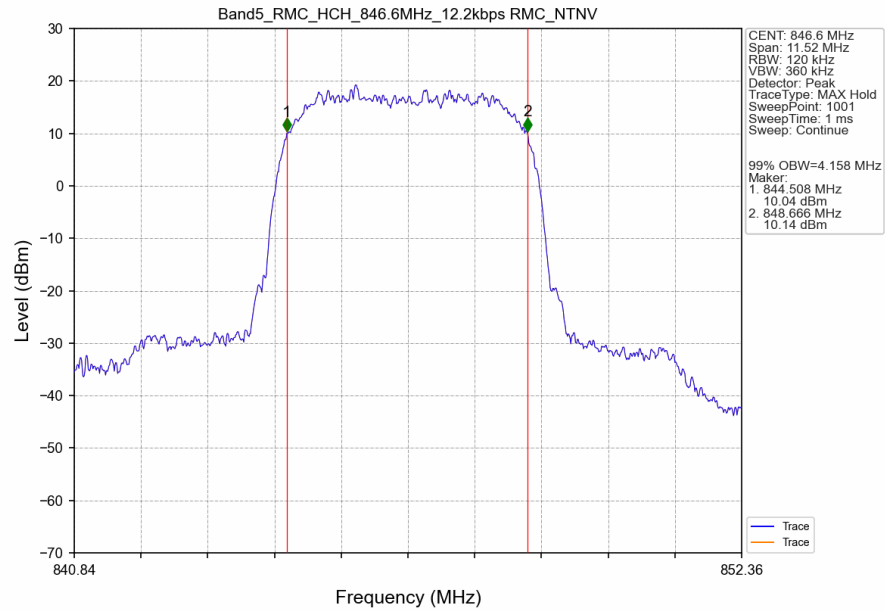
| Band: V |         |              |                 |                      |       |         |
|---------|---------|--------------|-----------------|----------------------|-------|---------|
| ENV     | Mode    |              | Frequency (MHz) | 26dB Bandwidth (MHz) |       | Verdict |
|         | Network | Subset       |                 | Result               | Limit |         |
| NTNV    | RMC     | 12.2kbps RMC | 826.4           | 4.742                | /     | Pass    |
|         |         |              | 836.6           | 4.715                | /     | Pass    |
|         |         |              | 846.6           | 4.714                | /     | Pass    |
|         | HSDPA   | Subtest 1    | 826.4           | 4.734                | /     | Pass    |
|         |         |              | 836.6           | 4.722                | /     | Pass    |
|         |         |              | 846.6           | 4.707                | /     | Pass    |
|         | HSUPA   | Subtest 1    | 826.4           | 4.716                | /     | Pass    |
|         |         |              | 836.6           | 4.728                | /     | Pass    |
|         |         |              | 846.6           | 4.728                | /     | Pass    |

3.2 Test Graph

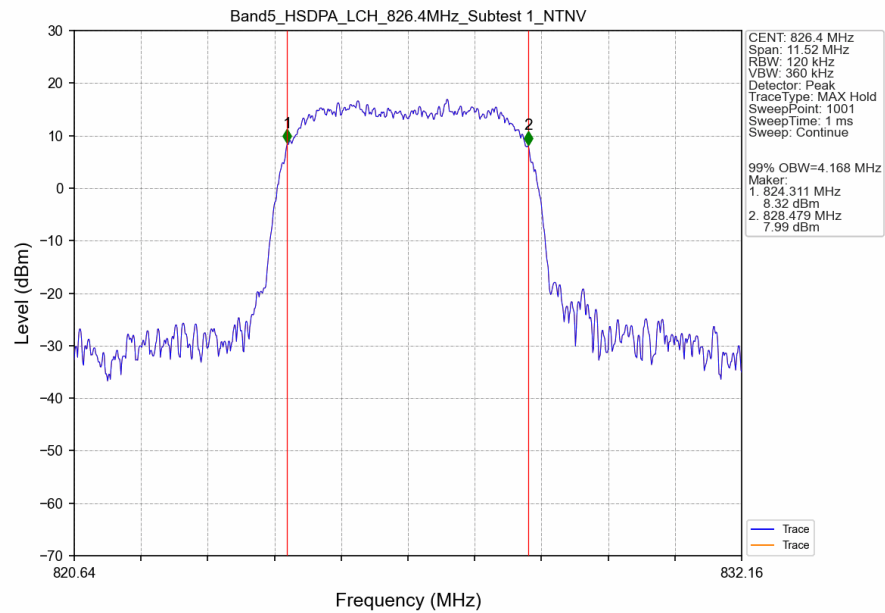
3.2.1 BandV\_OBW



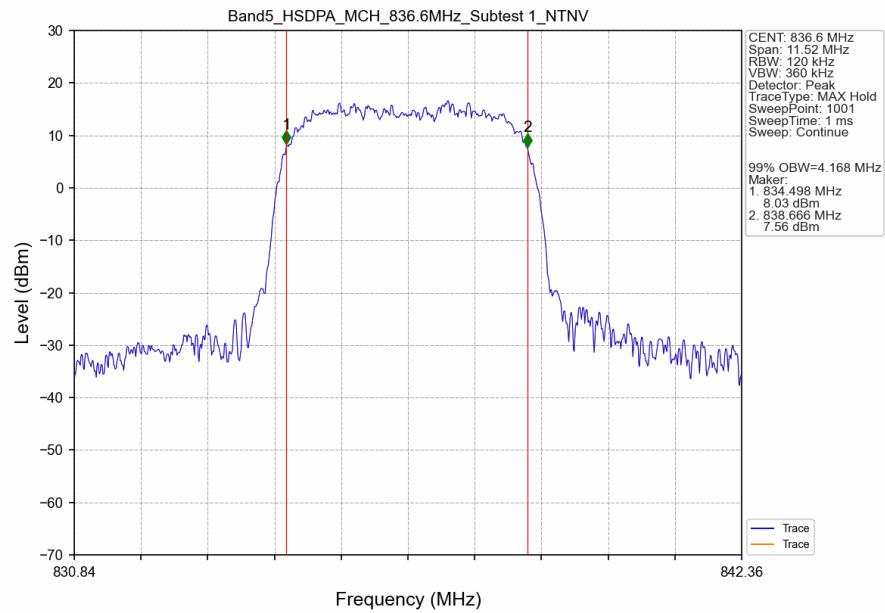
BandV RMC HCH 846.6MHz 12.2kbps RMC NTN



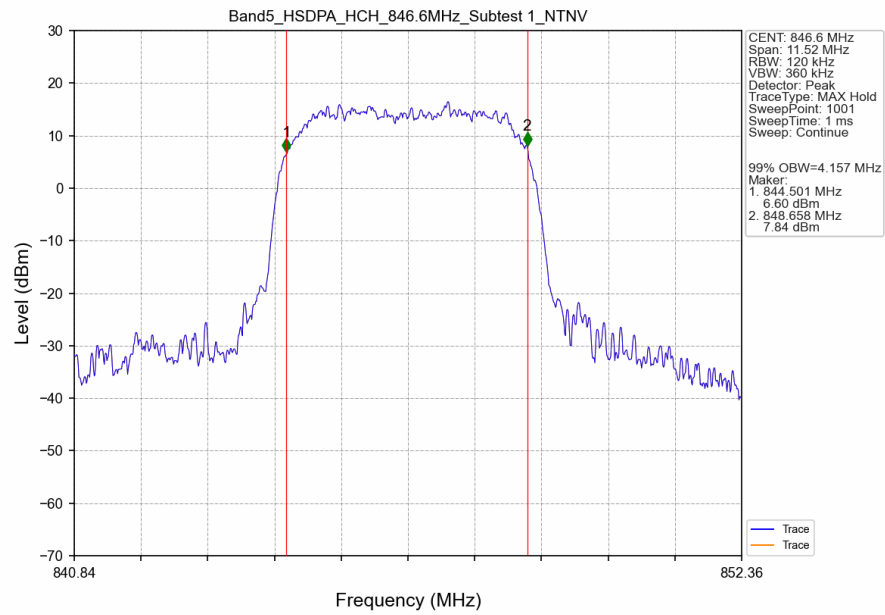
BandV HSDPA LCH 826.4MHz Subtest 1 NTN



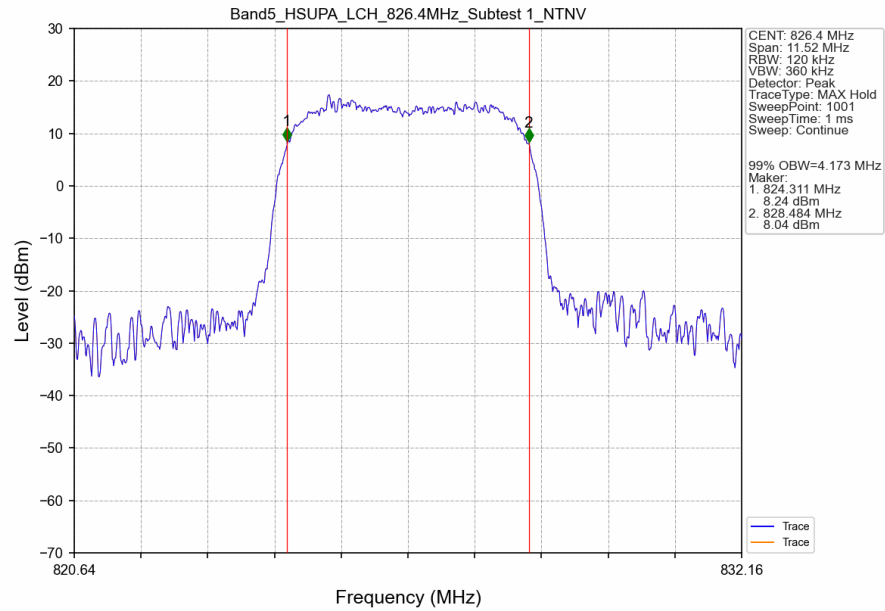
# BandV HSDPA MCH 836.6MHz Subtest 1 NTN



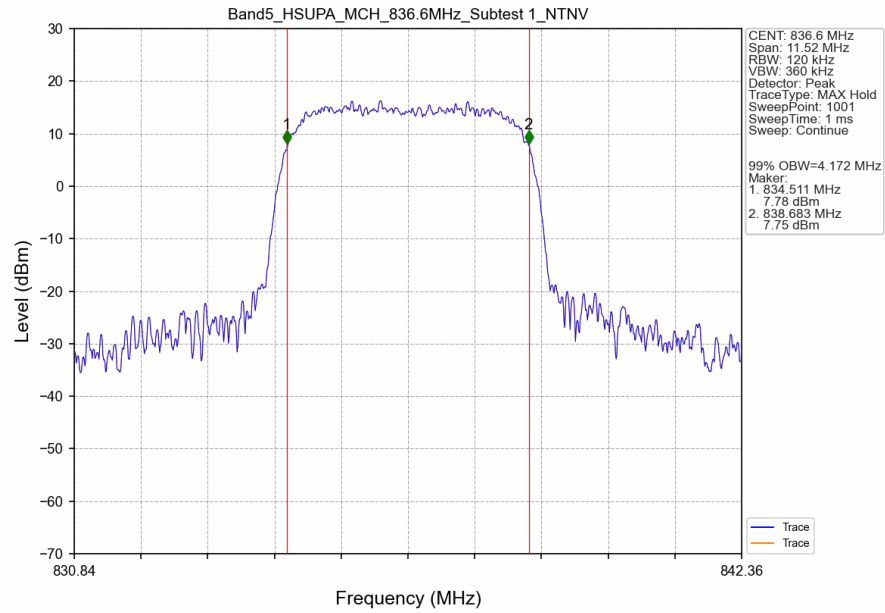
# BandV HSDPA HCH 846.6MHz Subtest 1 NTN



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

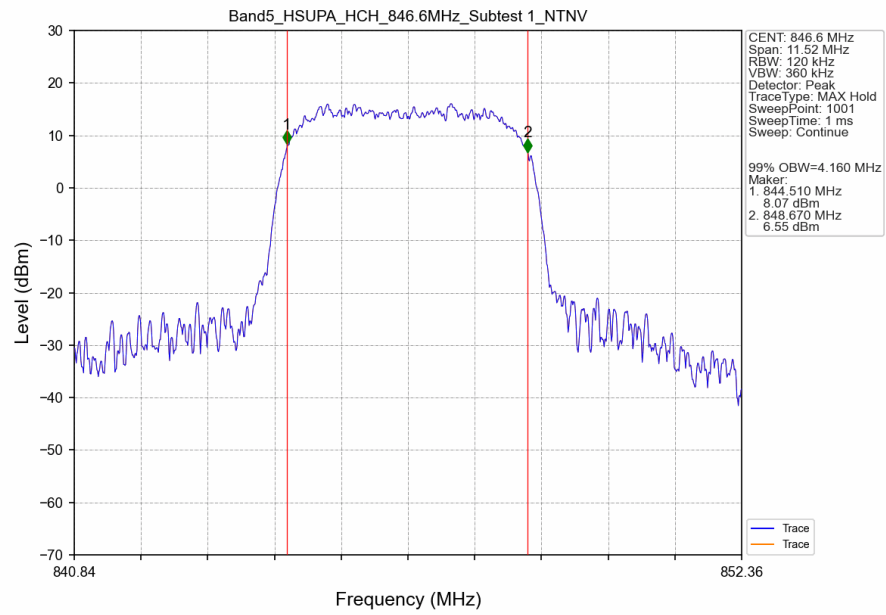


### BandV HSUPA MCH 836.6MHz Subtest 1\_NTNV

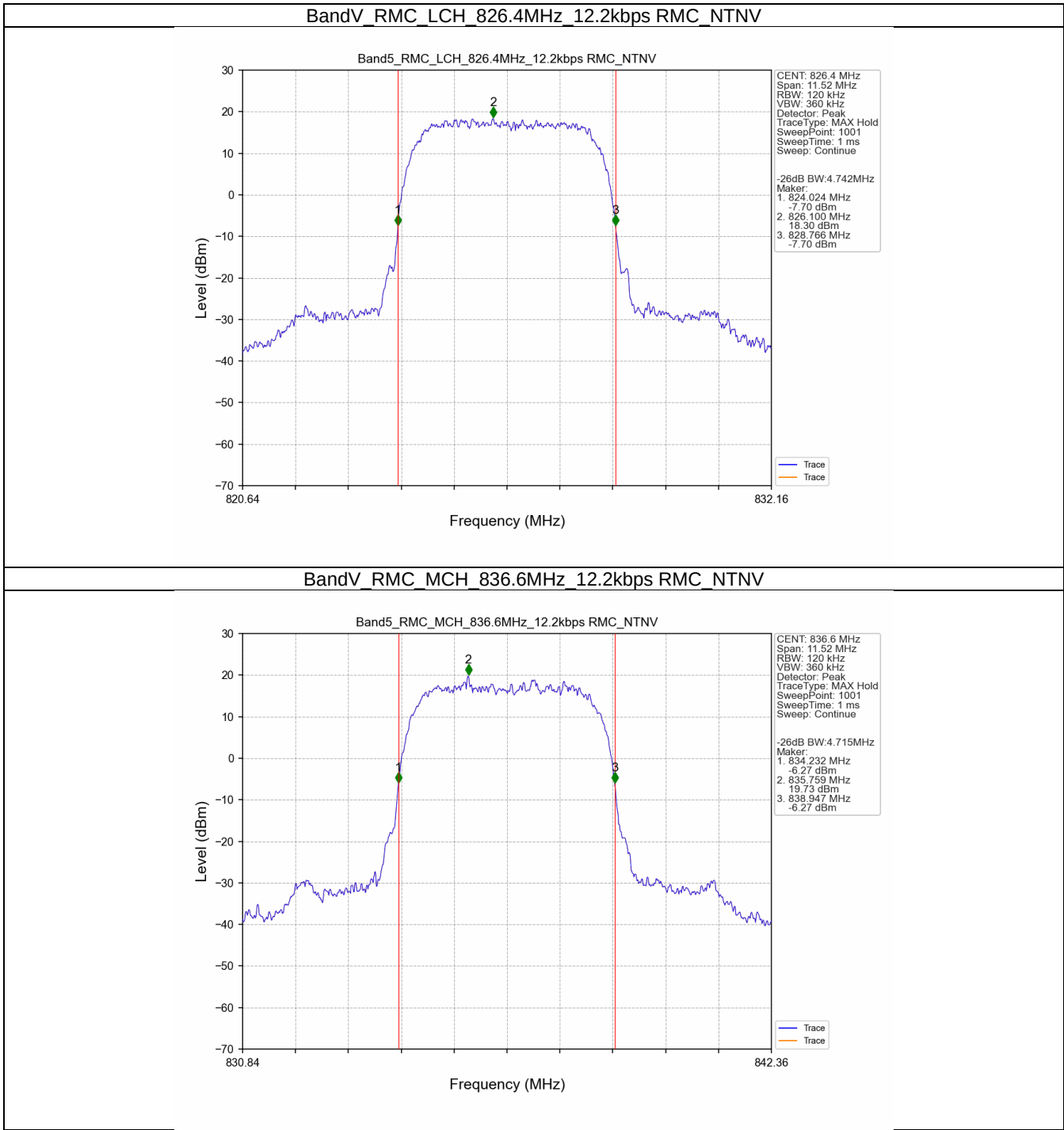




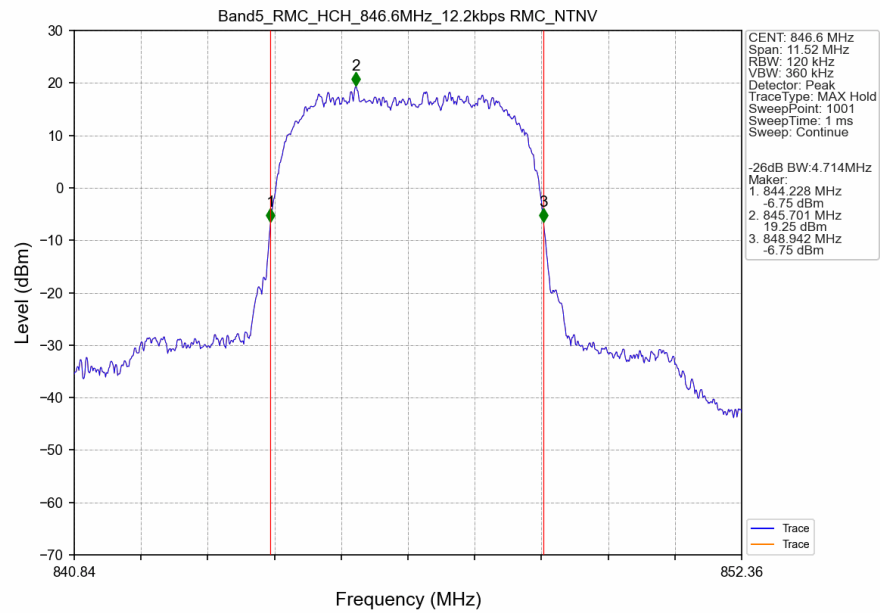
BandV HSUPA HCH 846.6MHz Subtest 1 NTN



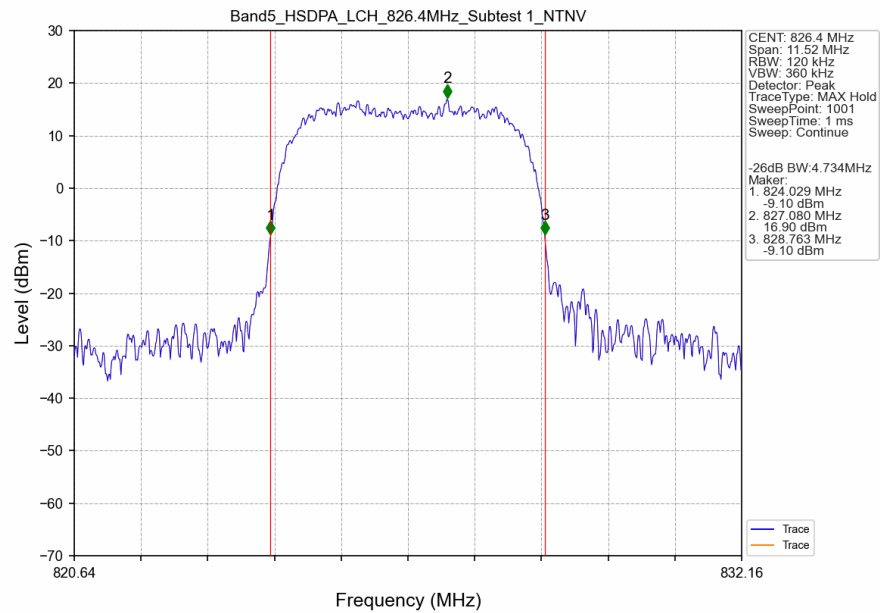
3.2.2 BandV\_XDB



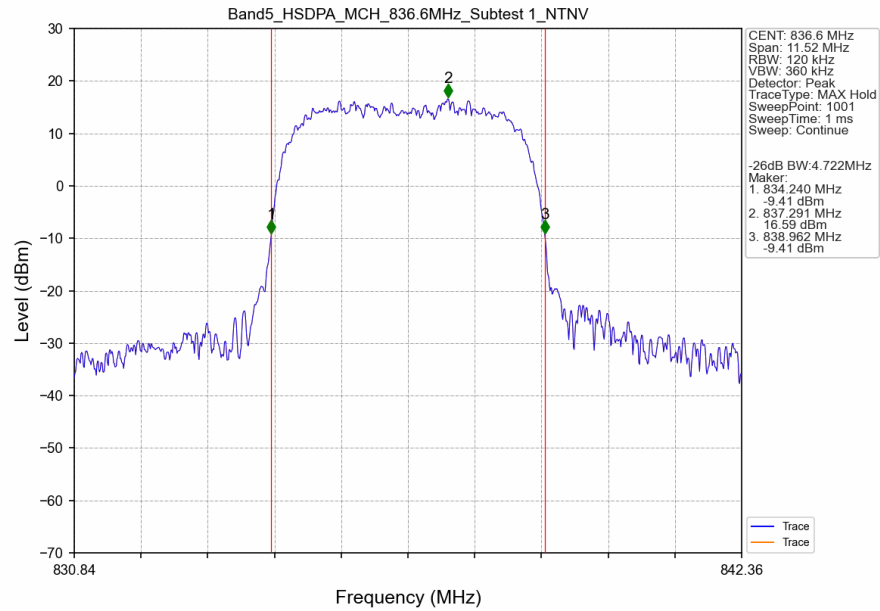
# BandV RMC HCH 846.6MHz 12.2kbps RMC NTN



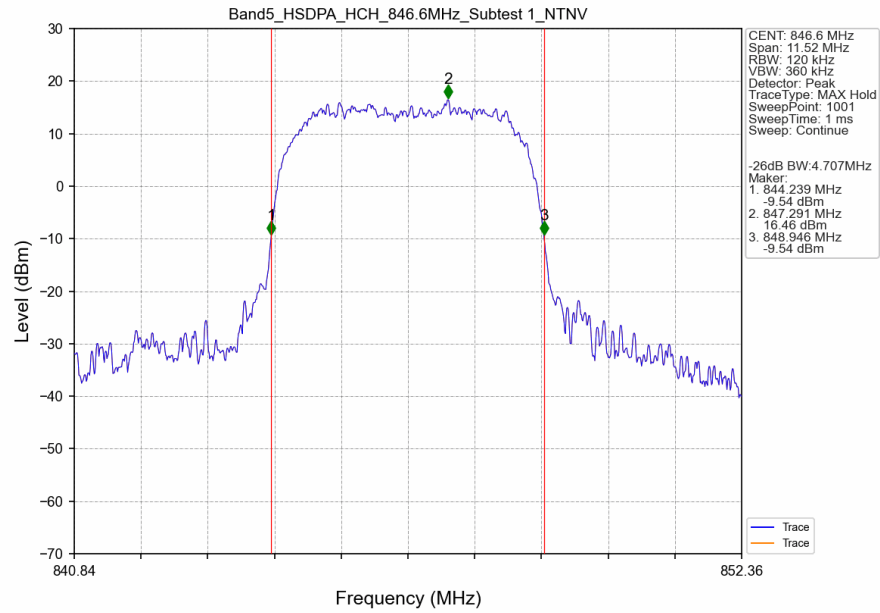
# BandV HSDPA LCH 826.4MHz Subtest 1 NTN



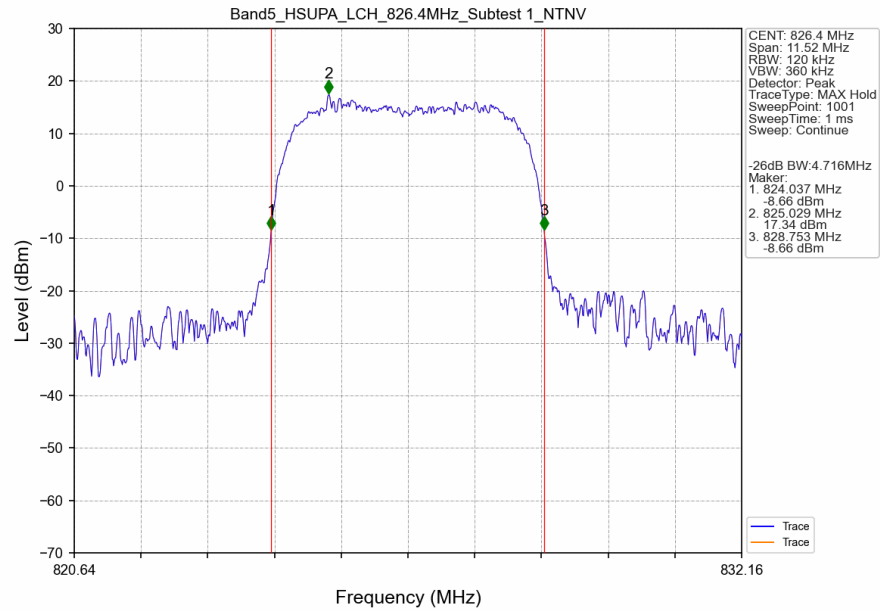
# BandV HSDPA MCH 836.6MHz Subtest 1 NTN



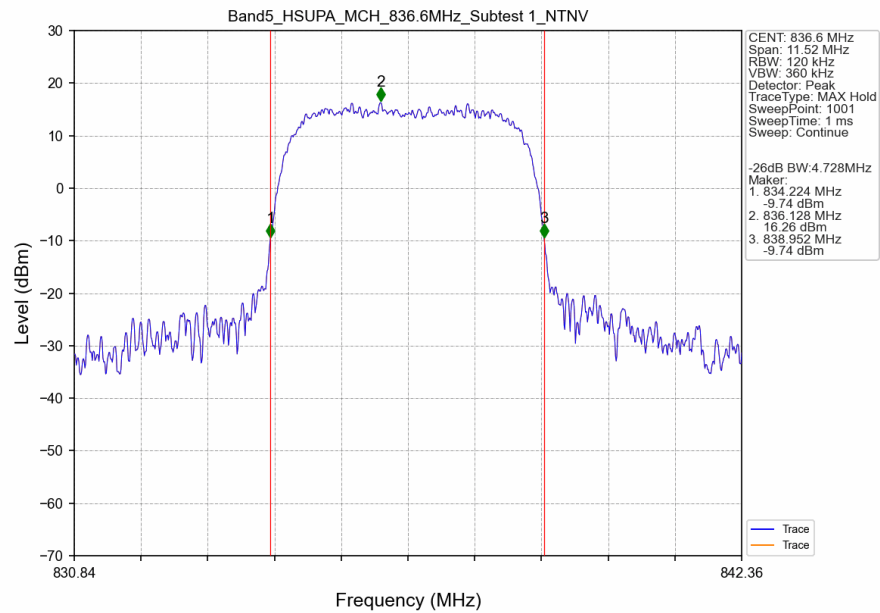
# BandV HSDPA HCH 846.6MHz Subtest 1 NTN



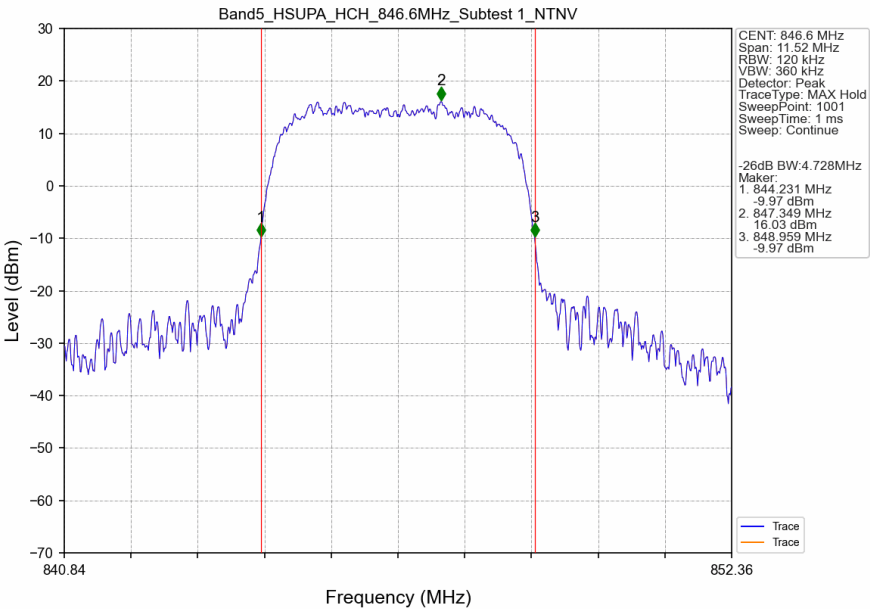
# BandV HSUPA LCH 826.4MHz Subtest 1\_NTNV



# BandV HSUPA MCH 836.6MHz Subtest 1\_NTNV



BandV HSUPA HCH 846.6MHz Subtest 1 NTN



## 4. Peak-Average Ratio

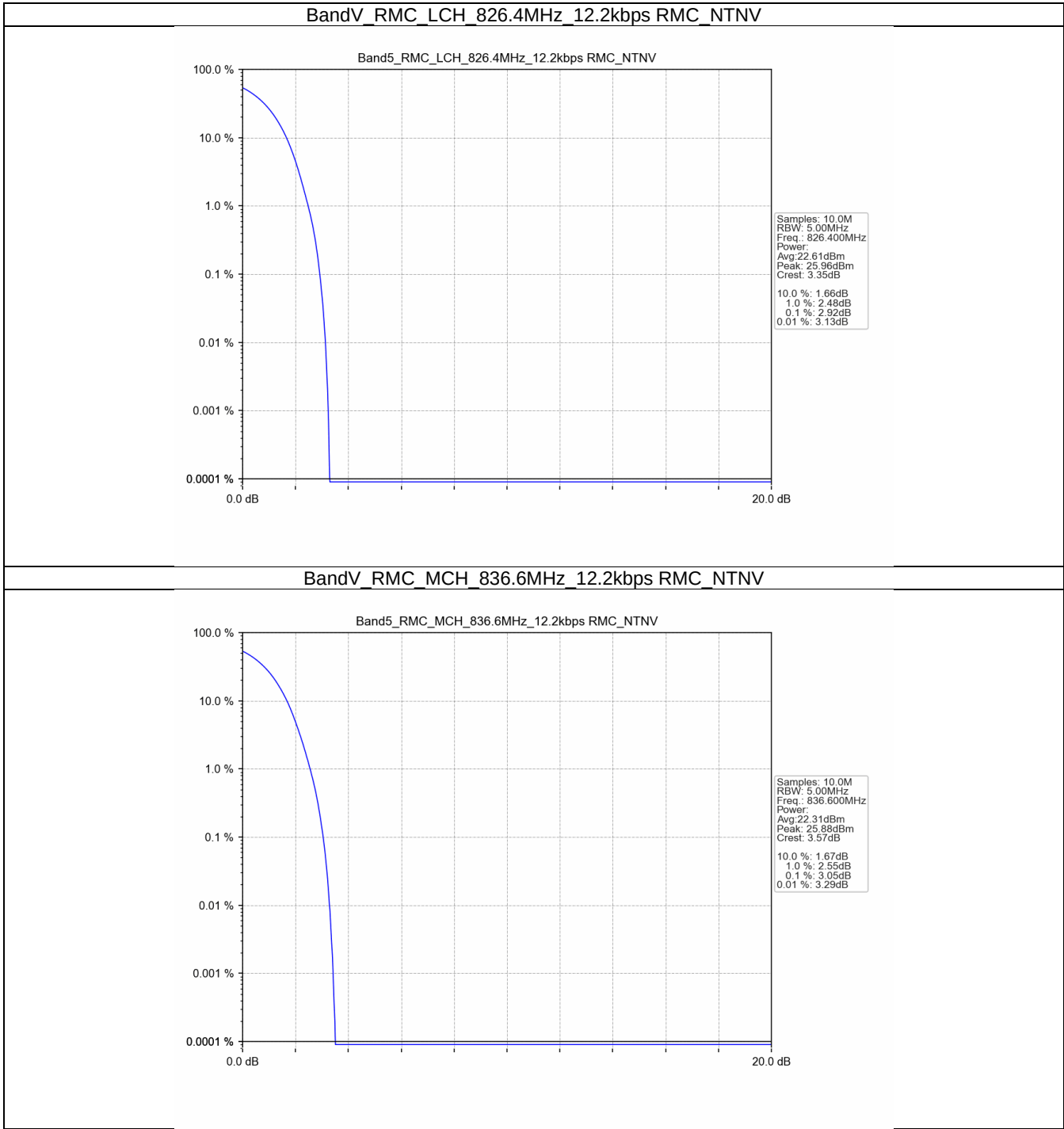
### 4.1 Test Result

#### 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              | 2.92                    | <=13  | Pass    |
|         |         |              | 836.6              | 3.05                    | <=13  | Pass    |
|         |         |              | 846.6              | 2.99                    | <=13  | Pass    |
|         | HSDPA   | Subtest 1    | 826.4              | 5.78                    | <=13  | Pass    |
|         |         |              | 836.6              | 5.84                    | <=13  | Pass    |
|         |         |              | 846.6              | 5.87                    | <=13  | Pass    |
|         | HSUPA   | Subtest 1    | 826.4              | 6.44                    | <=13  | Pass    |
|         |         |              | 836.6              | 6.89                    | <=13  | Pass    |
|         |         |              | 846.6              | 7.12                    | <=13  | Pass    |

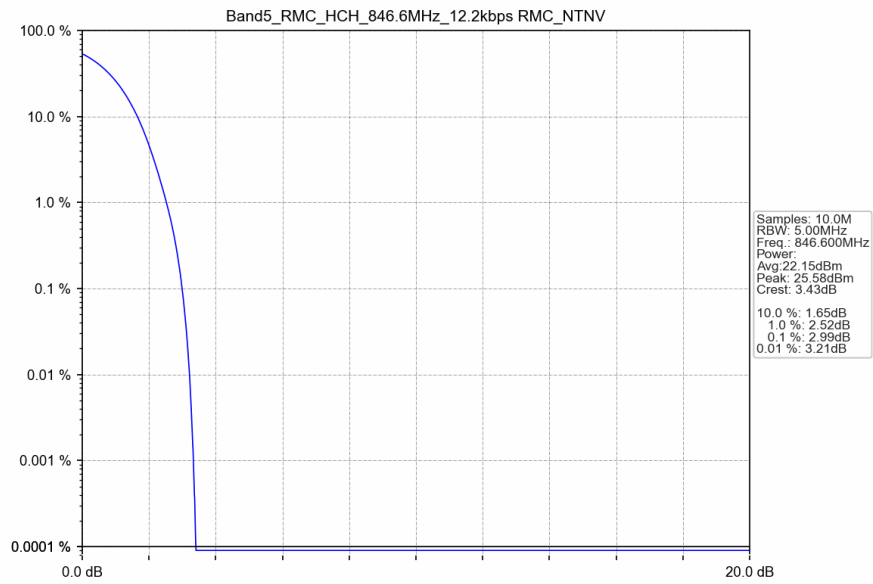
# 4.2 Test Graph

## 4.2.1 BandV

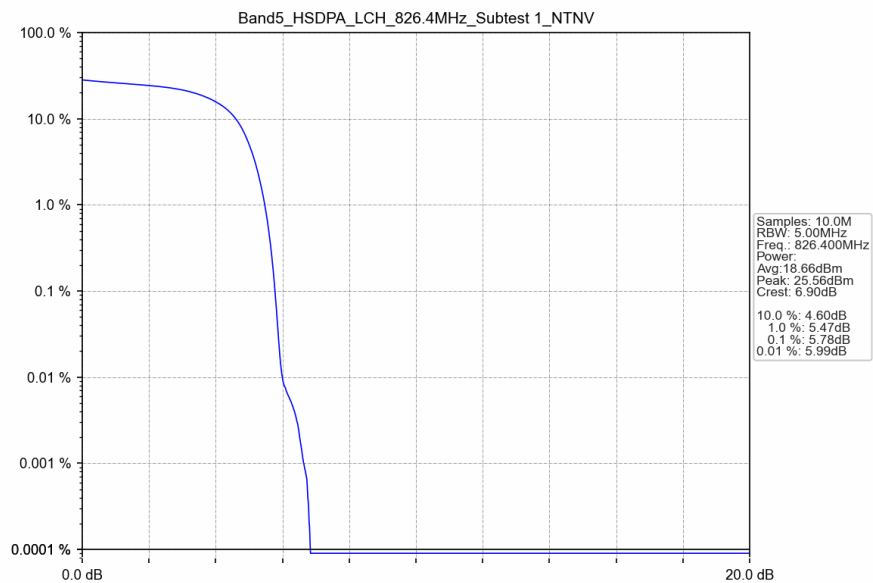




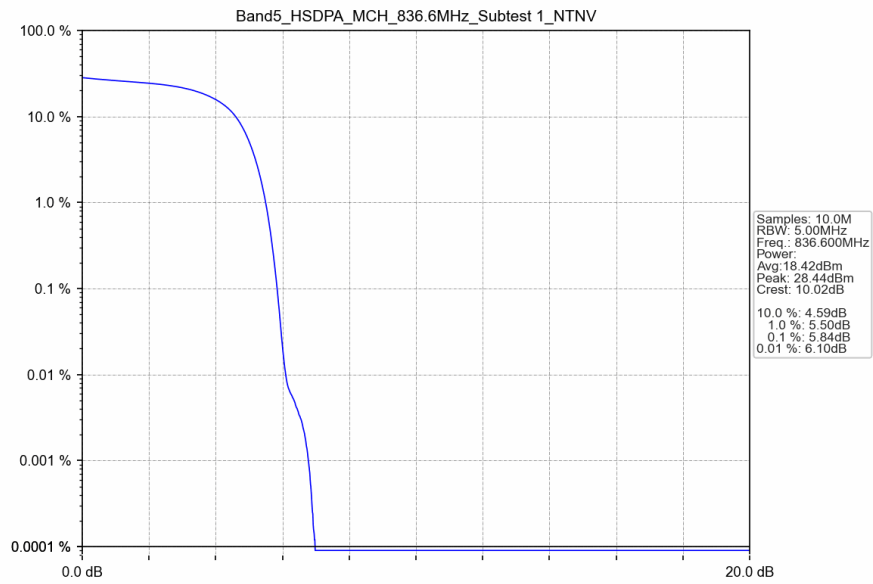
# BandV RMC HCH 846.6MHz 12.2kbps RMC NTN



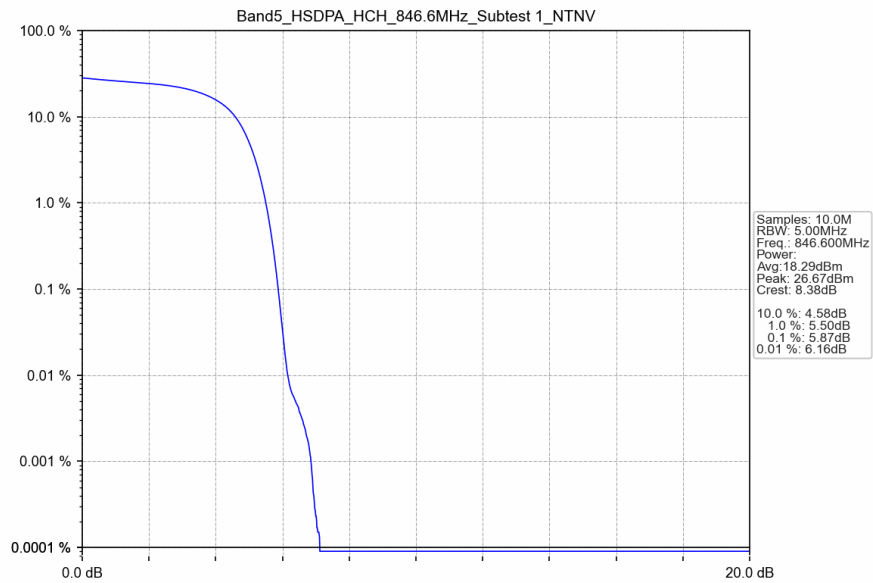
# BandV HSDPA LCH 826.4MHz Subtest 1 NTN



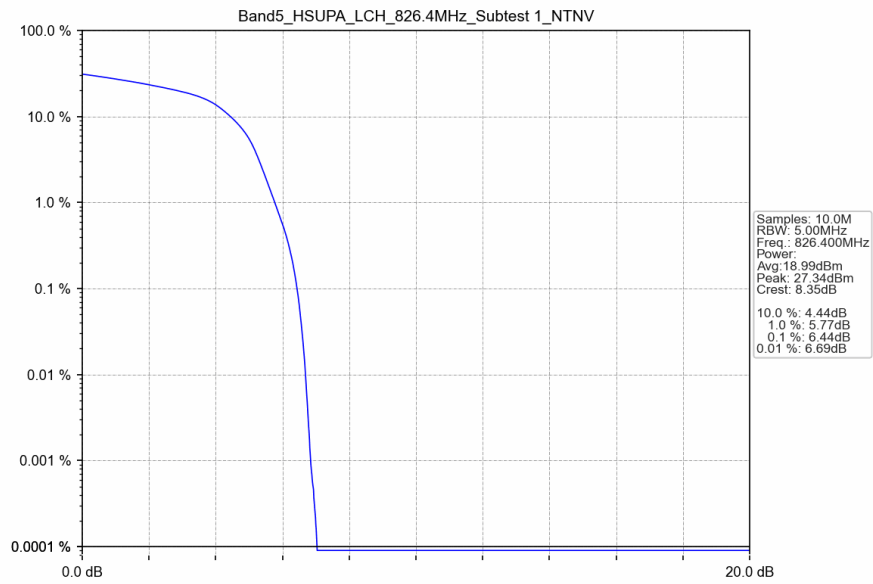
# BandV HSDPA MCH 836.6MHz Subtest 1\_NTNV



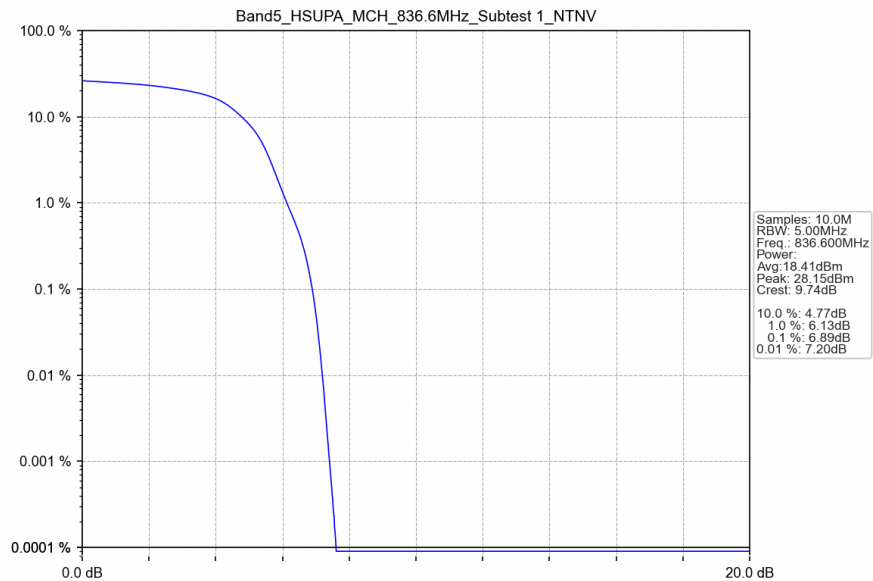
# BandV HSDPA HCH 846.6MHz Subtest 1\_NTNV



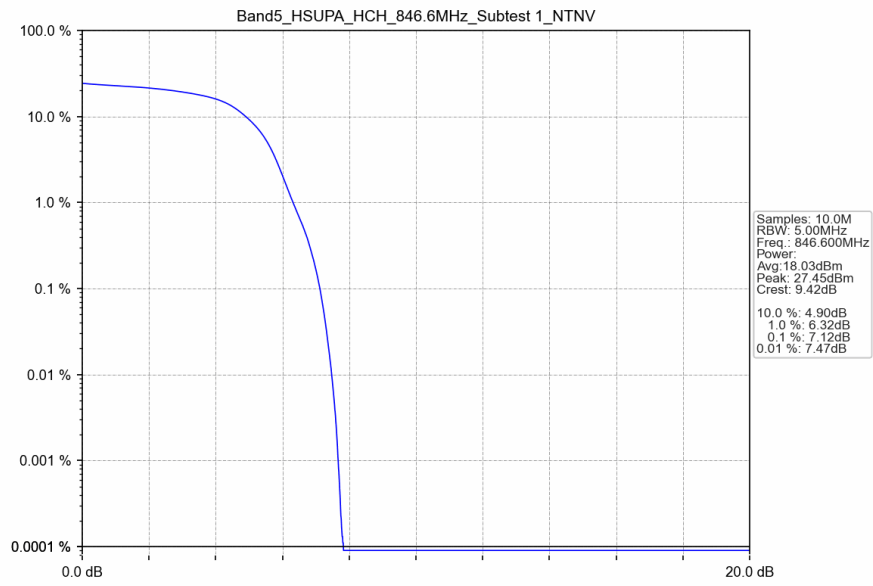
# BandV HSUPA LCH 826.4MHz Subtest 1\_NTNV



# BandV HSUPA MCH 836.6MHz Subtest 1\_NTNV



BandV HSUPA HCH 846.6MHz Subtest 1 NTN



## 5. Spurious Emission

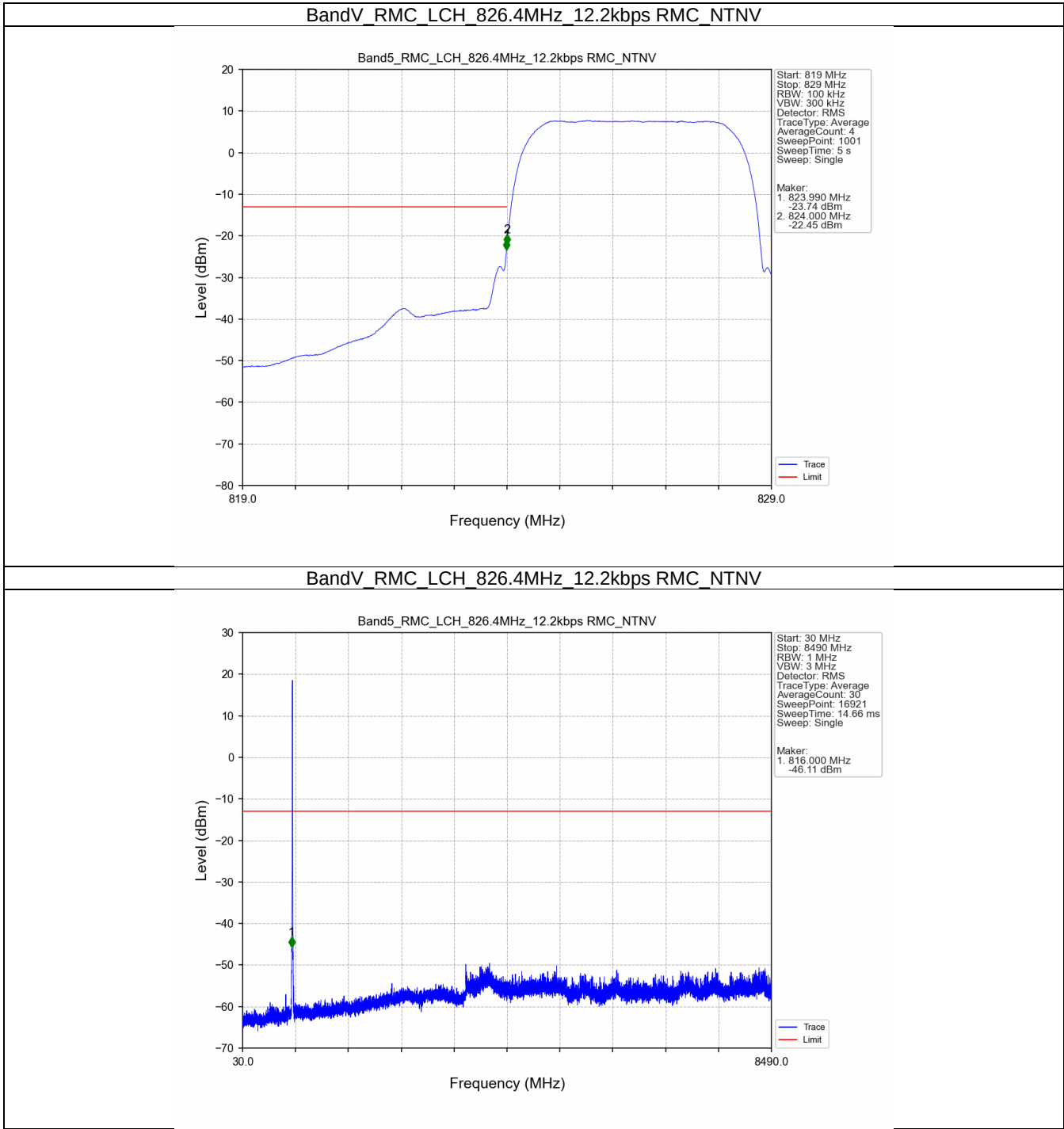
### 5.1 Test Result

#### 5.1.1 BandV

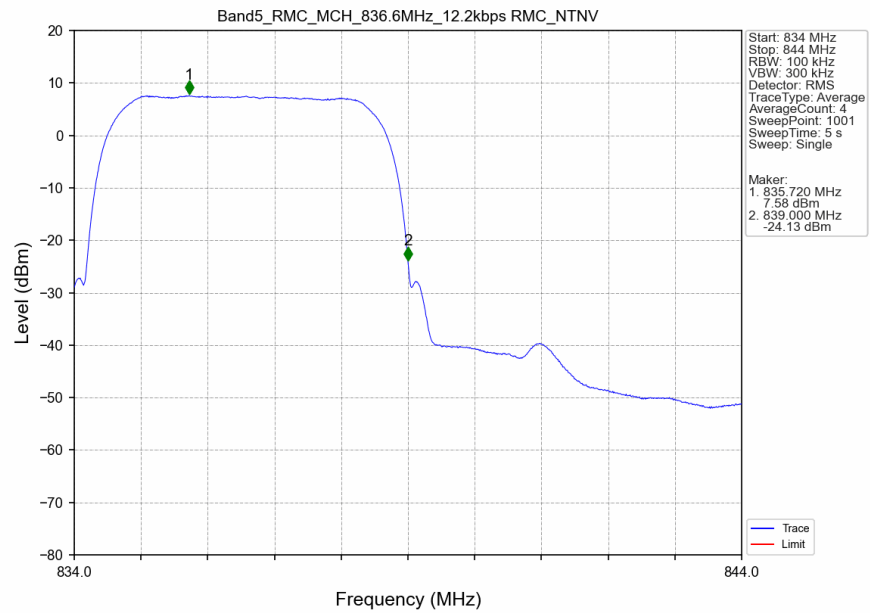
| Band: V |         |              |                    |                     |       |         |
|---------|---------|--------------|--------------------|---------------------|-------|---------|
| ENV     | Mode    |              | Frequency<br>(MHz) | Spurious Emission   |       | Verdict |
|         | 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

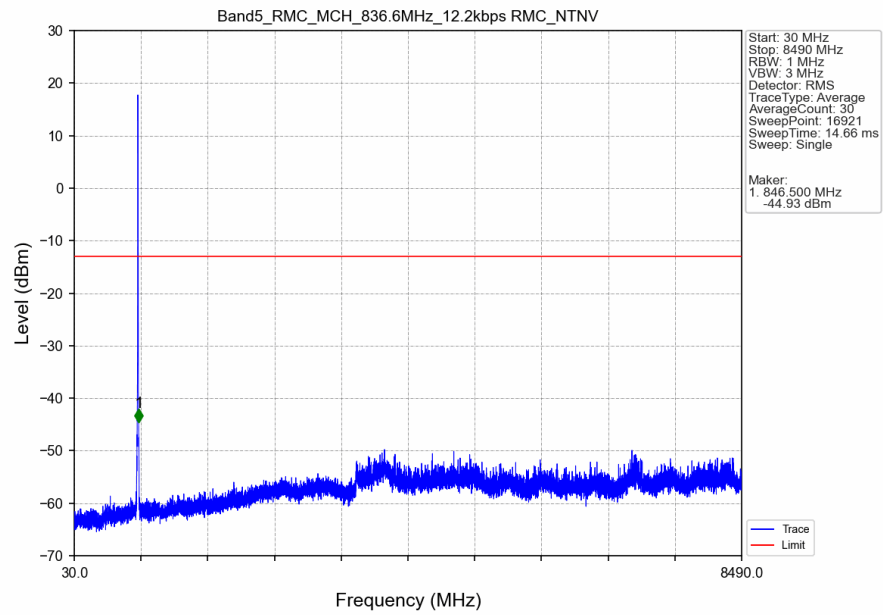
## 5.2.1 BandV



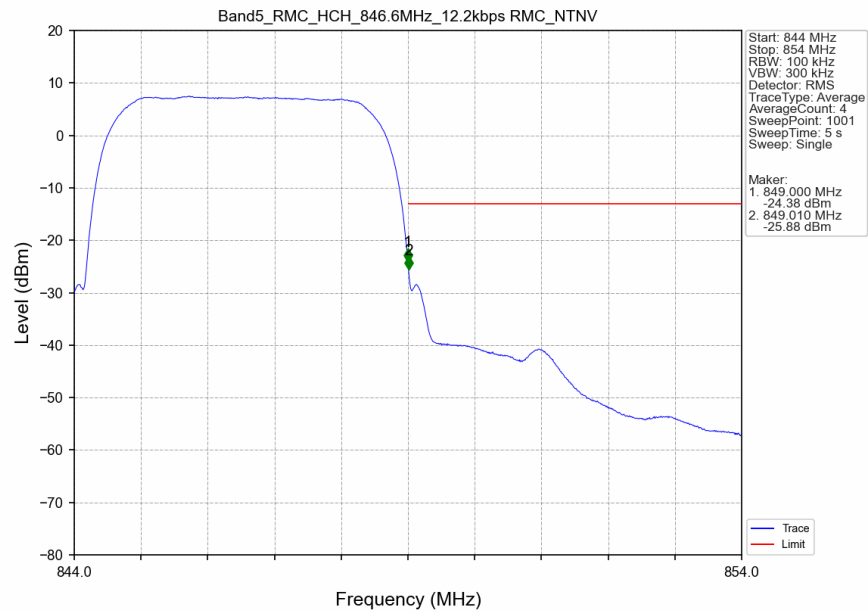
BandV\_RMC\_MCH\_836.6MHz\_12.2kbps\_RMC\_NTNV



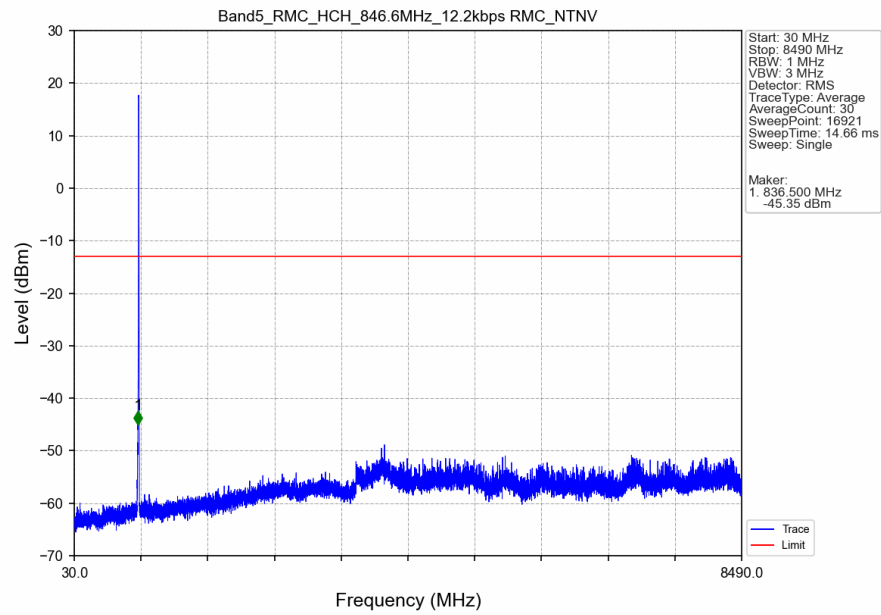
BandV\_RMC\_MCH\_836.6MHz\_12.2kbps\_RMC\_NTNV



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

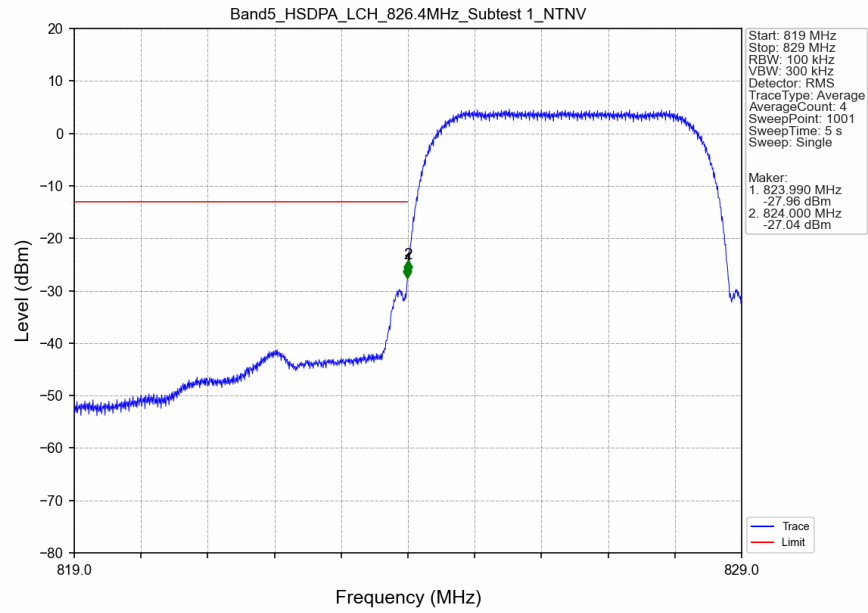


# BandV\_RMC\_HCH\_846.6MHz\_12.2kbps\_RMC\_NTNV

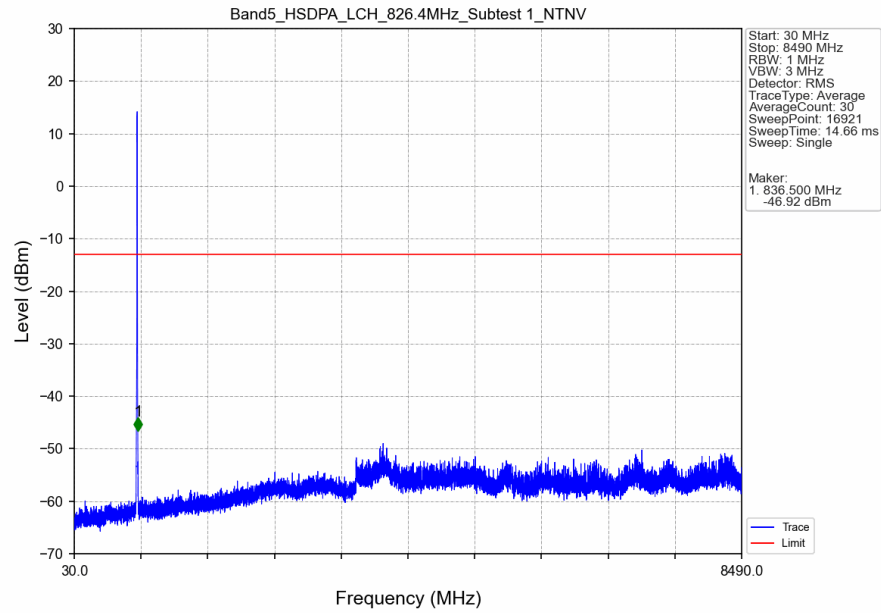




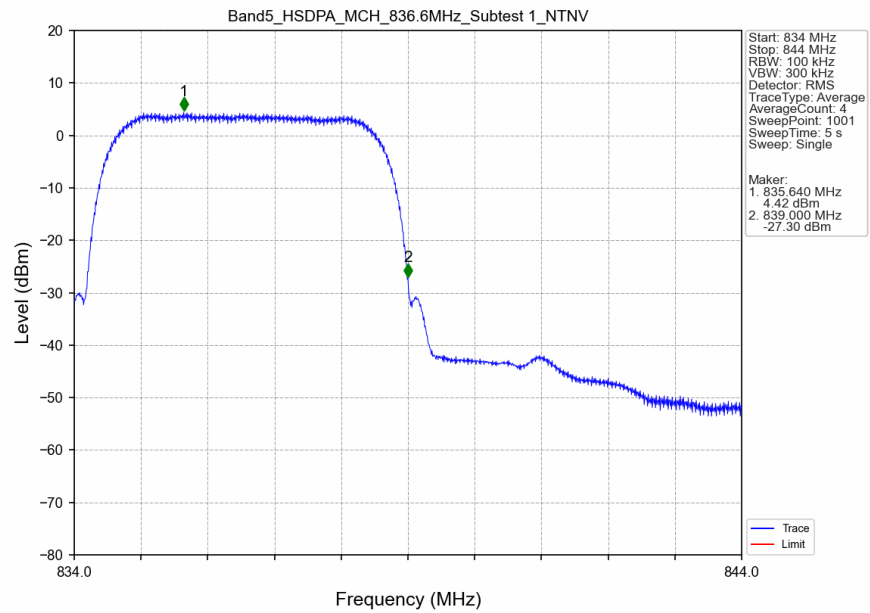
# BandV HSDPA LCH 826.4MHz Subtest 1 NTN



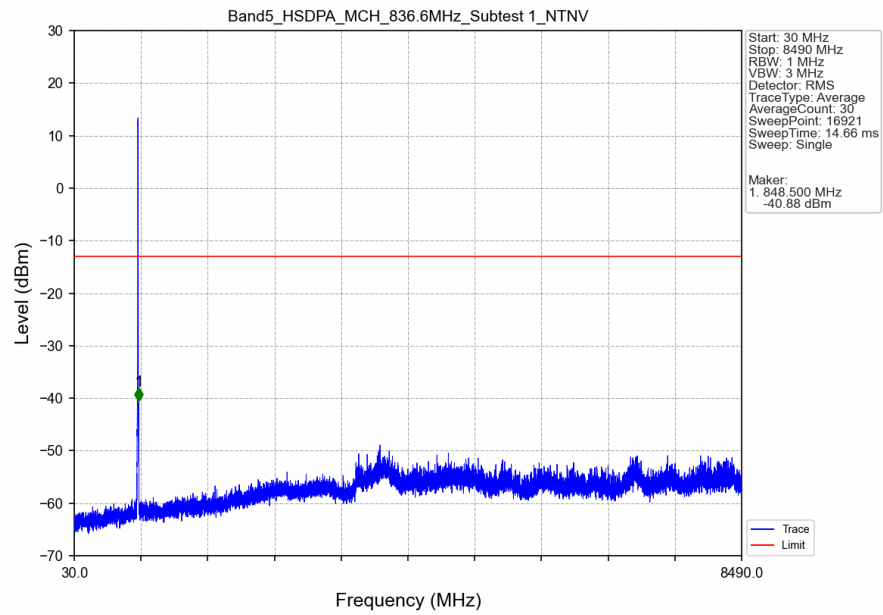
# BandV HSDPA LCH 826.4MHz Subtest 1 NTN



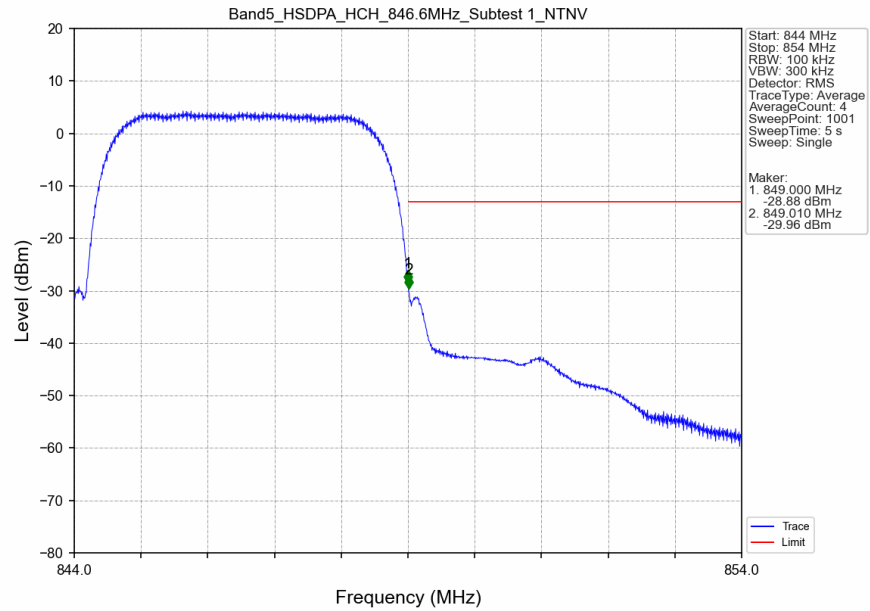
# BandV HSDPA MCH 836.6MHz Subtest 1\_NTNV



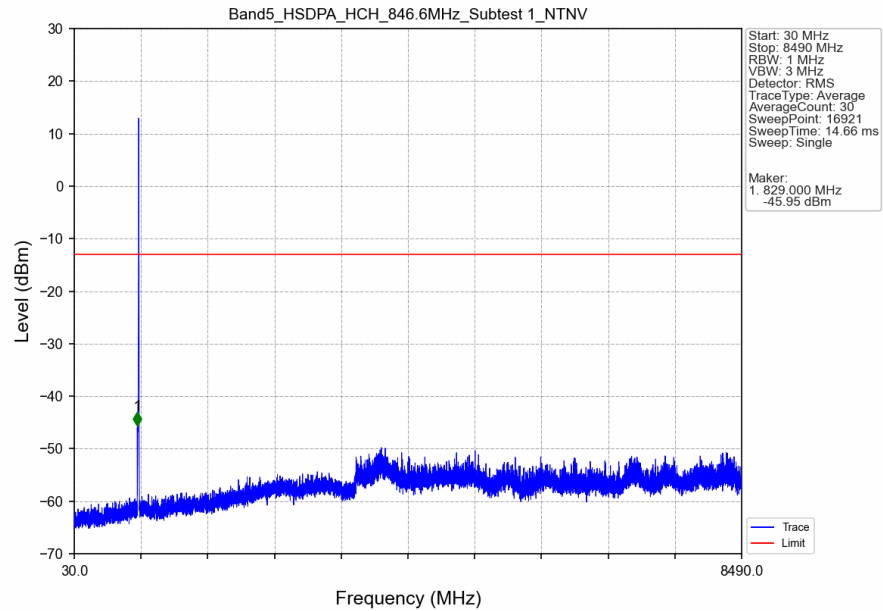
# BandV HSDPA MCH 836.6MHz Subtest 1\_NTNV



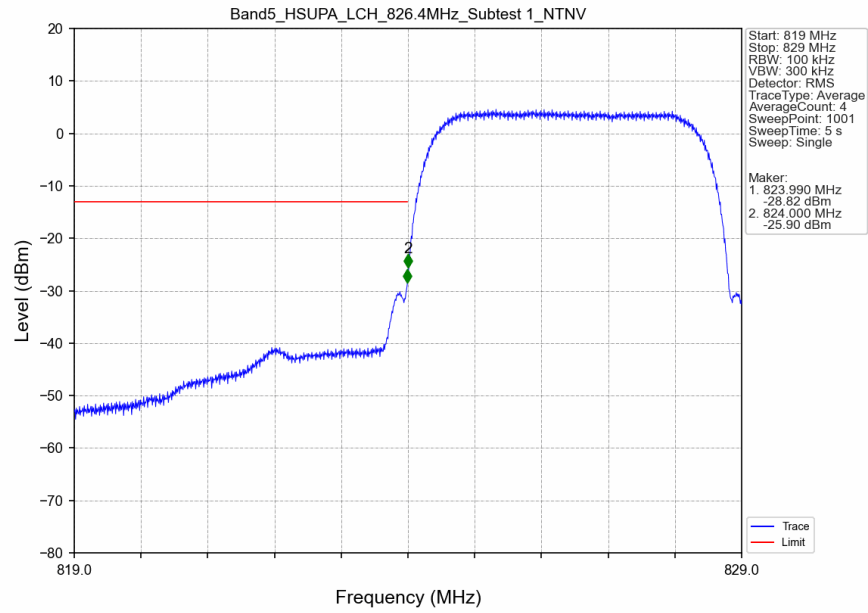
# BandV HSDPA HCH 846.6MHz Subtest 1 NTN



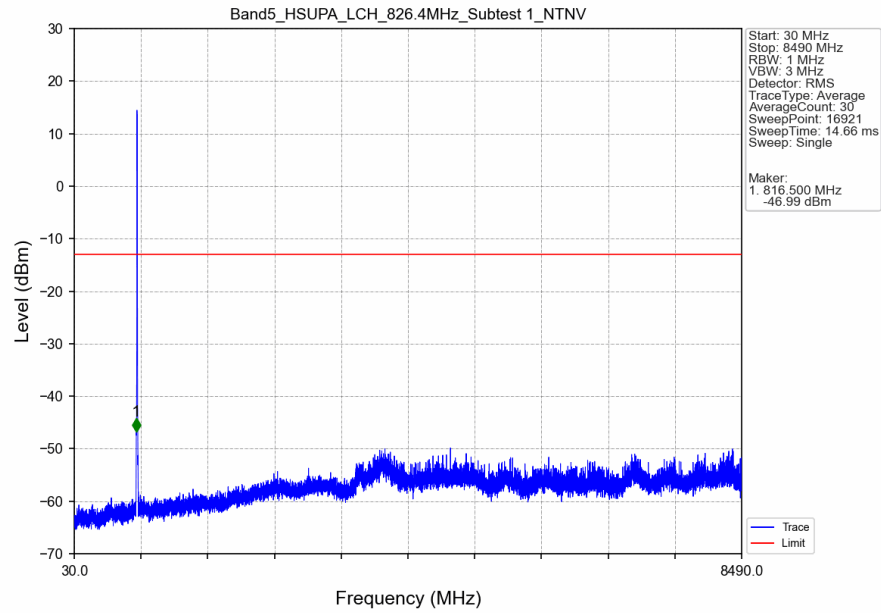
# BandV HSDPA HCH 846.6MHz Subtest 1 NTN



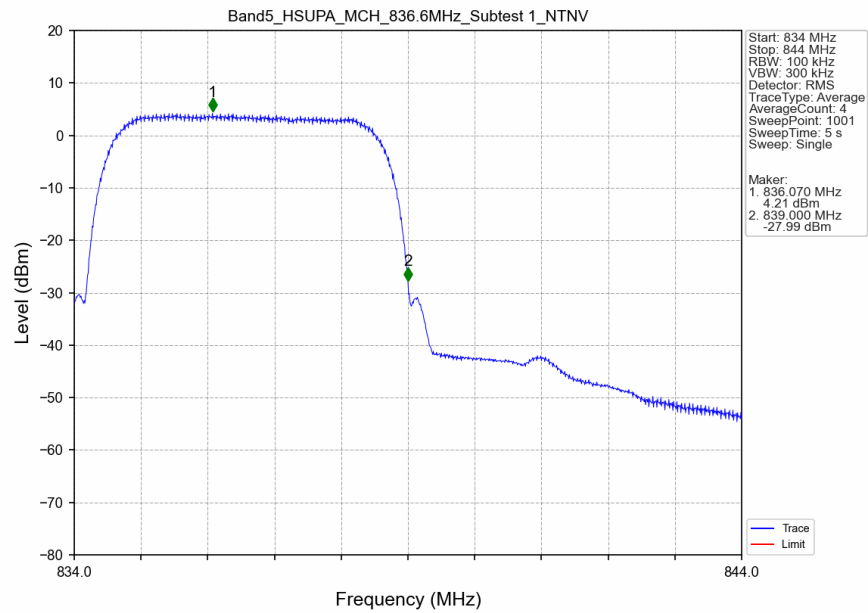
# BandV HSUPA LCH 826.4MHz Subtest 1 NTN



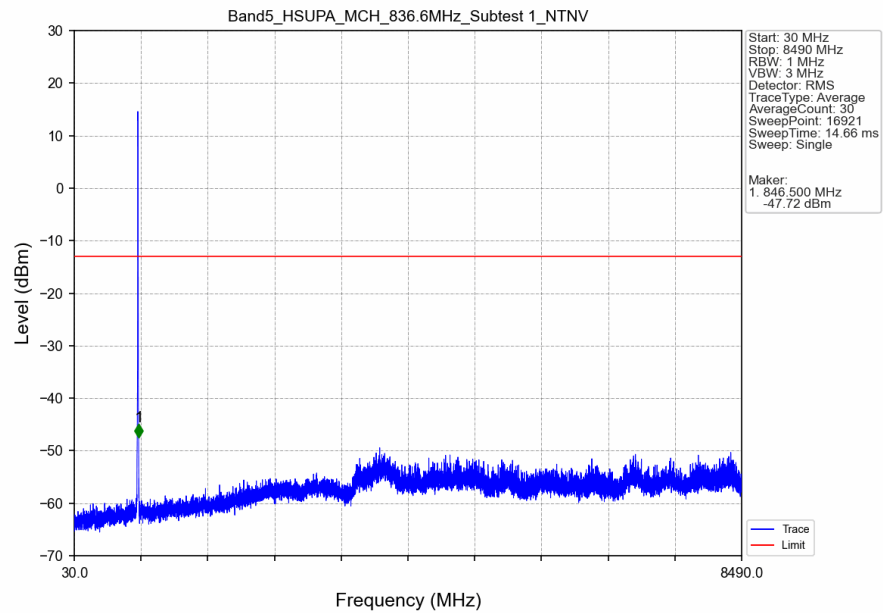
# BandV HSUPA LCH 826.4MHz Subtest 1 NTN



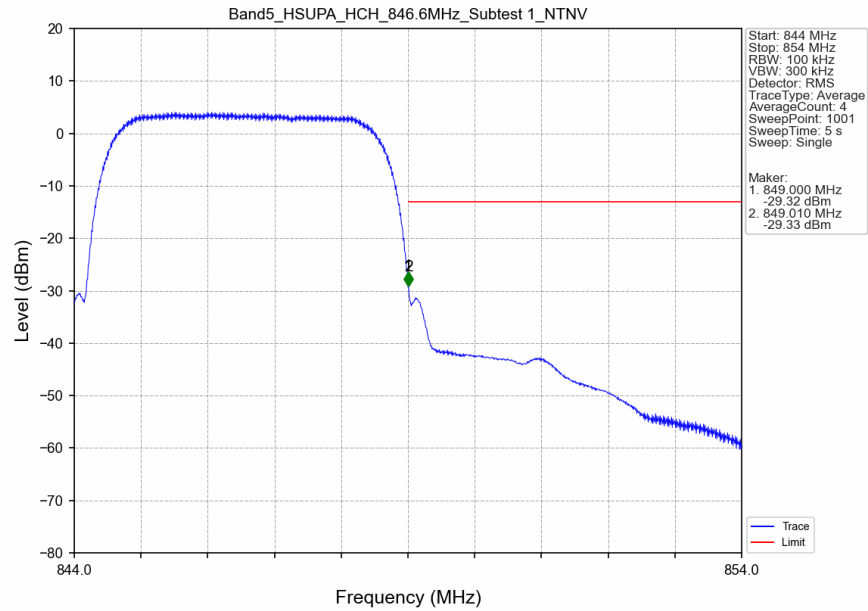
# BandV HSUPA MCH 836.6MHz Subtest 1\_NTNV



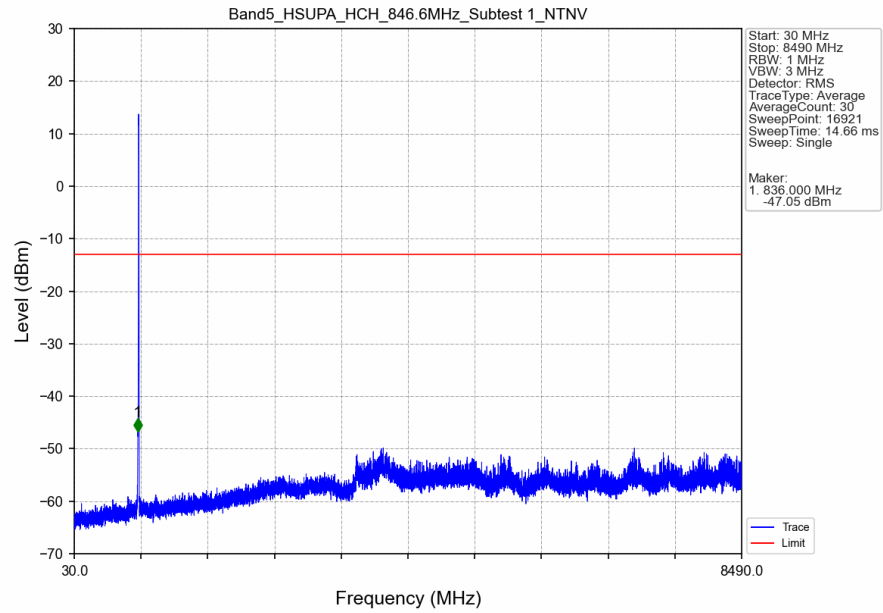
# BandV HSUPA MCH 836.6MHz Subtest 1\_NTNV



# BandV HSUPA HCH 846.6MHz Subtest 1 NTN



# BandV HSUPA HCH 846.6MHz Subtest 1 NTN



## 6. Field Strength of Spurious Radiation

| WCDMA Band V-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                   | -60.91     | -13         | -47.91          | -63.78           | 2.62            | 5.49               | Horizontal         | Pass   |
| 2479.2                   | -55.82     | -13         | -42.82          | -58.52           | 3.07            | 5.77               | Horizontal         | Pass   |
| 3305.6                   | -67.48     | -13         | -54.48          | -71.86           | 3.3             | 7.68               | Horizontal         | Pass   |
| 1652.8                   | -65.25     | -13         | -52.25          | -68.12           | 2.62            | 5.49               | Vertical           | Pass   |
| 2479.2                   | -57.03     | -13         | -44.03          | -59.73           | 3.07            | 5.77               | Vertical           | Pass   |
| 3305.6                   | -67.53     | -13         | -54.53          | -71.91           | 3.3             | 7.68               | Vertical           | Pass   |

| WCDMA Band V-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                      | -60.72     | -13         | -47.72          | -63.53           | 2.63            | 5.44               | Horizontal         | Pass   |
| 2509.2                      | -53.63     | -13         | -40.63          | -56.39           | 3.08            | 5.84               | Horizontal         | Pass   |
| 3345.6                      | -67.08     | -13         | -54.08          | -71.54           | 3.32            | 7.78               | Horizontal         | Pass   |
| 1672.8                      | -65.52     | -13         | -52.52          | -68.33           | 2.63            | 5.44               | Vertical           | Pass   |
| 2509.2                      | -54.83     | -13         | -41.83          | -57.59           | 3.08            | 5.84               | Vertical           | Pass   |
| 3345.6                      | -66.66     | -13         | -53.66          | -71.12           | 3.32            | 7.78               | Vertical           | Pass   |

| WCDMA Band V-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                    | -60.13     | -13         | -47.13          | -62.89           | 2.63            | 5.39               | Horizontal         | Pass   |
| 2539.8                    | -52.02     | -13         | -39.02          | -54.84           | 3.09            | 5.91               | Horizontal         | Pass   |
| 3386.4                    | -66.92     | -13         | -53.92          | -71.47           | 3.34            | 7.89               | Horizontal         | Pass   |
| 1693.2                    | -63.29     | -13         | -50.29          | -66.05           | 2.63            | 5.39               | Vertical           | Pass   |
| 2539.8                    | -54.92     | -13         | -41.92          | -57.74           | 3.09            | 5.91               | Vertical           | Pass   |
| 3386.4                    | -66.75     | -13         | -53.75          | -71.3            | 3.34            | 7.89               | Vertical           | Pass   |

Test on the worst case(Sample2#):

| WCDMA Band V-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                   | -69.08     | -13         | -56.08          | -71.95           | 2.62            | 5.49               | Horizontal         | Pass   |
| 2479.2                   | -69.06     | -13         | -56.06          | -71.76           | 3.07            | 5.77               | Horizontal         | Pass   |
| 3305.6                   | -67.3      | -13         | -54.3           | -71.68           | 3.3             | 7.68               | Horizontal         | Pass   |
| 1652.8                   | -70.07     | -13         | -57.07          | -72.94           | 2.62            | 5.49               | Vertical           | Pass   |
| 2479.2                   | -69.37     | -13         | -56.37          | -72.07           | 3.07            | 5.77               | Vertical           | Pass   |
| 3305.6                   | -67.23     | -13         | -54.23          | -71.61           | 3.3             | 7.68               | Vertical           | Pass   |

| WCDMA Band V-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                      | -69.22     | -13         | -56.22          | -72.03           | 2.63            | 5.44               | Horizontal         | Pass   |
| 2509.2                      | -67.94     | -13         | -54.94          | -70.7            | 3.08            | 5.84               | Horizontal         | Pass   |
| 3345.6                      | -66.9      | -13         | -53.9           | -71.36           | 3.32            | 7.78               | Horizontal         | Pass   |
| 1672.8                      | -69.35     | -13         | -56.35          | -72.16           | 2.63            | 5.44               | Vertical           | Pass   |
| 2509.2                      | -68.65     | -13         | -55.65          | -71.41           | 3.08            | 5.84               | Vertical           | Pass   |
| 3345.6                      | -66.69     | -13         | -53.69          | -71.15           | 3.32            | 7.78               | Vertical           | Pass   |

| WCDMA Band V-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                    | -69.14     | -13         | -56.14          | -71.9            | 2.63            | 5.39               | Horizontal         | Pass   |
| 2539.8                    | -68.25     | -13         | -55.25          | -71.07           | 3.09            | 5.91               | Horizontal         | Pass   |
| 3386.4                    | -66.89     | -13         | -53.89          | -71.44           | 3.34            | 7.89               | Horizontal         | Pass   |
| 1693.2                    | -68.21     | -13         | -55.21          | -70.97           | 2.63            | 5.39               | Vertical           | Pass   |
| 2539.8                    | -68.55     | -13         | -55.55          | -71.37           | 3.09            | 5.91               | Vertical           | Pass   |
| 3386.4                    | -66.56     | -13         | -53.56          | -71.11           | 3.34            | 7.89               | Vertical           | Pass   |