



**SGS-CSTC Standards Technical Services Co., Ltd.**  
**Shenzhen Branch**

Report No.: SZCR240100035201

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# Appendix B.3

## WCDMA Band II



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Shenzhen Branch, Wireless Laboratory

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## 1. Effective (Isotropic) Radiated Power Output Data

### 1.1 BandII\_EIRP\_Ant1

#### 1.1.1 Test Result

| Band: II |         |              |                 |                       |            |            |         |         |
|----------|---------|--------------|-----------------|-----------------------|------------|------------|---------|---------|
| ENV      | Mode    |              | Frequency (MHz) | Conducted Power (dBm) | Gain (dBi) | EIRP (dBm) |         | Verdict |
|          | Network | Subset       |                 |                       |            | Result     | Limit   |         |
| NTNV     | RMC     | 12.2kbps RMC | 1852.4          | 24.87                 | 0.10       | 24.97      | <=33.01 | Pass    |
|          |         |              | 1880            | 24.54                 | 0.10       | 24.64      | <=33.01 | Pass    |
|          |         |              | 1907.6          | 24.65                 | 0.10       | 24.75      | <=33.01 | Pass    |
|          | HSDPA   | Subtest 1    | 1852.4          | 22.68                 | 0.10       | 22.78      | <=33.01 | Pass    |
|          |         | Subtest 2    | 1852.4          | 22.71                 | 0.10       | 22.81      | <=33.01 | Pass    |
|          |         | Subtest 3    | 1852.4          | 22.68                 | 0.10       | 22.78      | <=33.01 | Pass    |
|          |         | Subtest 4    | 1852.4          | 22.66                 | 0.10       | 22.76      | <=33.01 | Pass    |
|          |         | Subtest 1    | 1880            | 22.67                 | 0.10       | 22.77      | <=33.01 | Pass    |
|          |         | Subtest 2    | 1880            | 22.67                 | 0.10       | 22.77      | <=33.01 | Pass    |
|          |         | Subtest 3    | 1880            | 22.69                 | 0.10       | 22.79      | <=33.01 | Pass    |
|          |         | Subtest 4    | 1880            | 22.72                 | 0.10       | 22.82      | <=33.01 | Pass    |
|          |         | Subtest 1    | 1907.6          | 22.76                 | 0.10       | 22.86      | <=33.01 | Pass    |
|          |         | Subtest 2    | 1907.6          | 22.77                 | 0.10       | 22.87      | <=33.01 | Pass    |
|          |         | Subtest 3    | 1907.6          | 22.76                 | 0.10       | 22.86      | <=33.01 | Pass    |
|          |         | Subtest 4    | 1907.6          | 22.70                 | 0.10       | 22.80      | <=33.01 | Pass    |
|          | HSUPA   | Subtest 1    | 1852.4          | 20.95                 | 0.10       | 21.05      | <=33.01 | Pass    |
|          |         | Subtest 2    | 1852.4          | 20.47                 | 0.10       | 20.57      | <=33.01 | Pass    |
|          |         | Subtest 3    | 1852.4          | 20.28                 | 0.10       | 20.38      | <=33.01 | Pass    |
|          |         | Subtest 4    | 1852.4          | 20.32                 | 0.10       | 20.42      | <=33.01 | Pass    |
|          |         | Subtest 5    | 1852.4          | 20.43                 | 0.10       | 20.53      | <=33.01 | Pass    |
|          |         | Subtest 1    | 1880            | 20.92                 | 0.10       | 21.02      | <=33.01 | Pass    |
|          |         | Subtest 2    | 1880            | 20.32                 | 0.10       | 20.42      | <=33.01 | Pass    |
|          |         | Subtest 3    | 1880            | 20.79                 | 0.10       | 20.89      | <=33.01 | Pass    |
|          |         | Subtest 4    | 1880            | 20.64                 | 0.10       | 20.74      | <=33.01 | Pass    |
|          |         | Subtest 5    | 1880            | 20.33                 | 0.10       | 20.43      | <=33.01 | Pass    |
|          |         | Subtest 1    | 1907.6          | 20.88                 | 0.10       | 20.98      | <=33.01 | Pass    |
|          |         | Subtest 2    | 1907.6          | 20.43                 | 0.10       | 20.53      | <=33.01 | Pass    |
|          |         | Subtest 3    | 1907.6          | 20.84                 | 0.10       | 20.94      | <=33.01 | Pass    |
|          |         | Subtest 4    | 1907.6          | 20.69                 | 0.10       | 20.79      | <=33.01 | Pass    |
|          |         | Subtest 5    | 1907.6          | 20.88                 | 0.10       | 20.98      | <=33.01 | Pass    |



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## 2. Frequency Stability

### 2.1 BandII

#### 2.1.1 Test Result

| Band: II |                 |            |               |                  |                       |       |         |
|----------|-----------------|------------|---------------|------------------|-----------------------|-------|---------|
| Network  | Frequency (MHz) | Temp. (°C) | Voltage (VDC) | Freq. Error (Hz) | Freq. vs. Rated (ppm) |       | Verdict |
|          |                 |            |               |                  | Result                | Limit |         |
| RMC      | 1852.4          | 20         | 3.6           | -18.461          | -0.0100               | /     | Pass    |
|          |                 |            | 3.84          | -17.831          | -0.0096               | /     | Pass    |
|          |                 |            | 4.3           | -18.232          | -0.0098               | /     | Pass    |
|          |                 | -30        | 3.84          | -18.682          | -0.0101               | /     | Pass    |
|          |                 | -20        | 3.84          | -18.024          | -0.0097               | /     | Pass    |
|          |                 | -10        | 3.84          | -15.957          | -0.0086               | /     | Pass    |
|          |                 | 0          | 3.84          | -16.100          | -0.0087               | /     | Pass    |
|          |                 | 10         | 3.84          | -15.335          | -0.0083               | /     | Pass    |
|          |                 | 30         | 3.84          | -13.146          | -0.0071               | /     | Pass    |
|          |                 | 40         | 3.84          | -15.435          | -0.0083               | /     | Pass    |
|          |                 | 50         | 3.84          | -14.699          | -0.0079               | /     | Pass    |
|          | 1880            | 20         | 3.6           | -10.657          | -0.0057               | /     | Pass    |
|          |                 |            | 3.84          | -13.053          | -0.0069               | /     | Pass    |
|          |                 |            | 4.3           | -10.350          | -0.0055               | /     | Pass    |
|          |                 | -30        | 3.84          | -10.757          | -0.0057               | /     | Pass    |
|          |                 | -20        | 3.84          | -12.789          | -0.0068               | /     | Pass    |
|          |                 | -10        | 3.84          | -14.319          | -0.0076               | /     | Pass    |
|          |                 | 0          | 3.84          | -11.487          | -0.0061               | /     | Pass    |
|          |                 | 10         | 3.84          | -12.245          | -0.0065               | /     | Pass    |
|          |                 | 30         | 3.84          | -13.061          | -0.0069               | /     | Pass    |
|          |                 | 40         | 3.84          | -10.836          | -0.0058               | /     | Pass    |
|          |                 | 50         | 3.84          | -11.666          | -0.0062               | /     | Pass    |
|          | 1907.6          | 20         | 3.6           | -14.734          | -0.0077               | /     | Pass    |
|          |                 |            | 3.84          | -15.886          | -0.0083               | /     | Pass    |
|          |                 |            | 4.3           | -14.040          | -0.0074               | /     | Pass    |
|          |                 | -30        | 3.84          | -11.759          | -0.0062               | /     | Pass    |
|          |                 | -20        | 3.84          | -16.079          | -0.0084               | /     | Pass    |
|          |                 | -10        | 3.84          | -11.966          | -0.0063               | /     | Pass    |
|          |                 | 0          | 3.84          | -14.827          | -0.0078               | /     | Pass    |
|          |                 | 10         | 3.84          | -12.875          | -0.0067               | /     | Pass    |
|          |                 | 30         | 3.84          | -11.587          | -0.0061               | /     | Pass    |
|          |                 | 40         | 3.84          | -10.765          | -0.0056               | /     | Pass    |
|          |                 | 50         | 3.84          | -12.295          | -0.0064               | /     | Pass    |
| HSDPA    | 1852.4          | 20         | 3.6           | -19.305          | -0.0104               | /     | Pass    |
|          |                 |            | 3.84          | -23.410          | -0.0126               | /     | Pass    |



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|       |        |     |      |         |         |   |      |
|-------|--------|-----|------|---------|---------|---|------|
|       |        |     | 4.3  | -21.286 | -0.0115 | / | Pass |
|       |        | -30 | 3.84 | -21.207 | -0.0114 | / | Pass |
|       |        | -20 | 3.84 | -22.624 | -0.0122 | / | Pass |
|       |        | -10 | 3.84 | -23.124 | -0.0125 | / | Pass |
|       |        | 0   | 3.84 | -24.920 | -0.0135 | / | Pass |
|       |        | 10  | 3.84 | -23.468 | -0.0127 | / | Pass |
|       |        | 30  | 3.84 | -22.359 | -0.0121 | / | Pass |
|       |        | 40  | 3.84 | -23.811 | -0.0129 | / | Pass |
|       |        | 50  | 3.84 | -24.734 | -0.0134 | / | Pass |
|       | 1880   | 20  | 3.6  | -27.380 | -0.0146 | / | Pass |
|       |        |     | 3.84 | -27.165 | -0.0144 | / | Pass |
|       |        |     | 4.3  | -31.750 | -0.0169 | / | Pass |
|       |        | -30 | 3.84 | -25.120 | -0.0134 | / | Pass |
|       |        | -20 | 3.84 | -24.533 | -0.0130 | / | Pass |
|       |        | -10 | 3.84 | -24.562 | -0.0131 | / | Pass |
|       |        | 0   | 3.84 | -23.139 | -0.0123 | / | Pass |
|       |        | 10  | 3.84 | -29.869 | -0.0159 | / | Pass |
|       |        | 30  | 3.84 | -19.920 | -0.0106 | / | Pass |
|       |        | 40  | 3.84 | -23.768 | -0.0126 | / | Pass |
|       |        | 50  | 3.84 | -21.729 | -0.0116 | / | Pass |
|       | 1907.6 | 20  | 3.6  | -23.239 | -0.0122 | / | Pass |
|       |        |     | 3.84 | -29.368 | -0.0154 | / | Pass |
|       |        |     | 4.3  | -30.513 | -0.0160 | / | Pass |
|       |        | -30 | 3.84 | -29.619 | -0.0155 | / | Pass |
|       |        | -20 | 3.84 | -27.359 | -0.0143 | / | Pass |
|       |        | -10 | 3.84 | -28.996 | -0.0152 | / | Pass |
|       |        | 0   | 3.84 | -29.597 | -0.0155 | / | Pass |
|       |        | 10  | 3.84 | -29.619 | -0.0155 | / | Pass |
|       |        | 30  | 3.84 | -25.849 | -0.0136 | / | Pass |
|       |        | 40  | 3.84 | -23.961 | -0.0126 | / | Pass |
|       |        | 50  | 3.84 | -23.296 | -0.0122 | / | Pass |
| HSUPA | 1852.4 | 20  | 3.6  | -7.217  | -0.0039 | / | Pass |
|       |        |     | 3.84 | -16.866 | -0.0091 | / | Pass |
|       |        |     | 4.3  | -18.725 | -0.0101 | / | Pass |
|       |        | -30 | 3.84 | -16.937 | -0.0091 | / | Pass |
|       |        | -20 | 3.84 | -16.551 | -0.0089 | / | Pass |
|       |        | -10 | 3.84 | -18.504 | -0.0100 | / | Pass |
|       |        | 0   | 3.84 | -16.801 | -0.0091 | / | Pass |
|       |        | 10  | 3.84 | -16.344 | -0.0088 | / | Pass |
|       |        | 30  | 3.84 | -14.262 | -0.0077 | / | Pass |
|       |        | 40  | 3.84 | -17.531 | -0.0095 | / | Pass |
|       |        | 50  | 3.84 | -13.797 | -0.0074 | / | Pass |
|       | 1880   | 20  | 3.6  | -13.890 | -0.0074 | / | Pass |
|       |        |     | 3.84 | -18.790 | -0.0100 | / | Pass |
|       |        |     | 4.3  | -17.195 | -0.0091 | / | Pass |
|       |        | -30 | 3.84 | -19.805 | -0.0105 | / | Pass |
|       |        | -20 | 3.84 | -20.185 | -0.0107 | / | Pass |
|       |        | -10 | 3.84 | -17.338 | -0.0092 | / | Pass |



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|  |        |     |      |         |         |   |      |
|--|--------|-----|------|---------|---------|---|------|
|  |        | 0   | 3.84 | -15.957 | -0.0085 | / | Pass |
|  |        | 10  | 3.84 | -17.560 | -0.0093 | / | Pass |
|  |        | 30  | 3.84 | -17.767 | -0.0095 | / | Pass |
|  |        | 40  | 3.84 | -17.159 | -0.0091 | / | Pass |
|  |        | 50  | 3.84 | -17.610 | -0.0094 | / | Pass |
|  | 1907.6 | 20  | 3.6  | -11.888 | -0.0062 | / | Pass |
|  |        |     | 3.84 | -10.993 | -0.0058 | / | Pass |
|  |        |     | 4.3  | -17.774 | -0.0093 | / | Pass |
|  |        | -30 | 3.84 | -16.322 | -0.0086 | / | Pass |
|  |        | -20 | 3.84 | -13.204 | -0.0069 | / | Pass |
|  |        | -10 | 3.84 | -14.663 | -0.0077 | / | Pass |
|  |        | 0   | 3.84 | -14.863 | -0.0078 | / | Pass |
|  |        | 10  | 3.84 | -10.493 | -0.0055 | / | Pass |
|  |        | 30  | 3.84 | -13.204 | -0.0069 | / | Pass |
|  |        | 40  | 3.84 | -13.733 | -0.0072 | / | Pass |
|  |        | 50  | 3.84 | -13.704 | -0.0072 | / | Pass |



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## 3. 99% & 26dB Bandwidth

### 3.1 BandII\_OBW

#### 3.1.1 Test Result

| Band: II |         |              |                    |                              |       |         |
|----------|---------|--------------|--------------------|------------------------------|-------|---------|
| ENV      | Mode    |              | Frequency<br>(MHz) | 99% Occupied Bandwidth (MHz) |       | Verdict |
|          | Network | Subset       |                    | Result                       | Limit |         |
| NTNV     | RMC     | 12.2kbps RMC | 1852.4             | 4.175                        | /     | Pass    |
|          |         |              | 1880               | 4.162                        | /     | Pass    |
|          |         |              | 1907.6             | 4.176                        | /     | Pass    |
|          | HSDPA   | Subtest 1    | 1852.4             | 4.200                        | /     | Pass    |
|          |         |              | 1880               | 4.195                        | /     | Pass    |
|          |         |              | 1907.6             | 4.194                        | /     | Pass    |
|          | HSUPA   | Subtest 1    | 1852.4             | 4.200                        | /     | Pass    |
|          |         |              | 1880               | 4.193                        | /     | Pass    |
|          |         |              | 1907.6             | 4.231                        | /     | Pass    |



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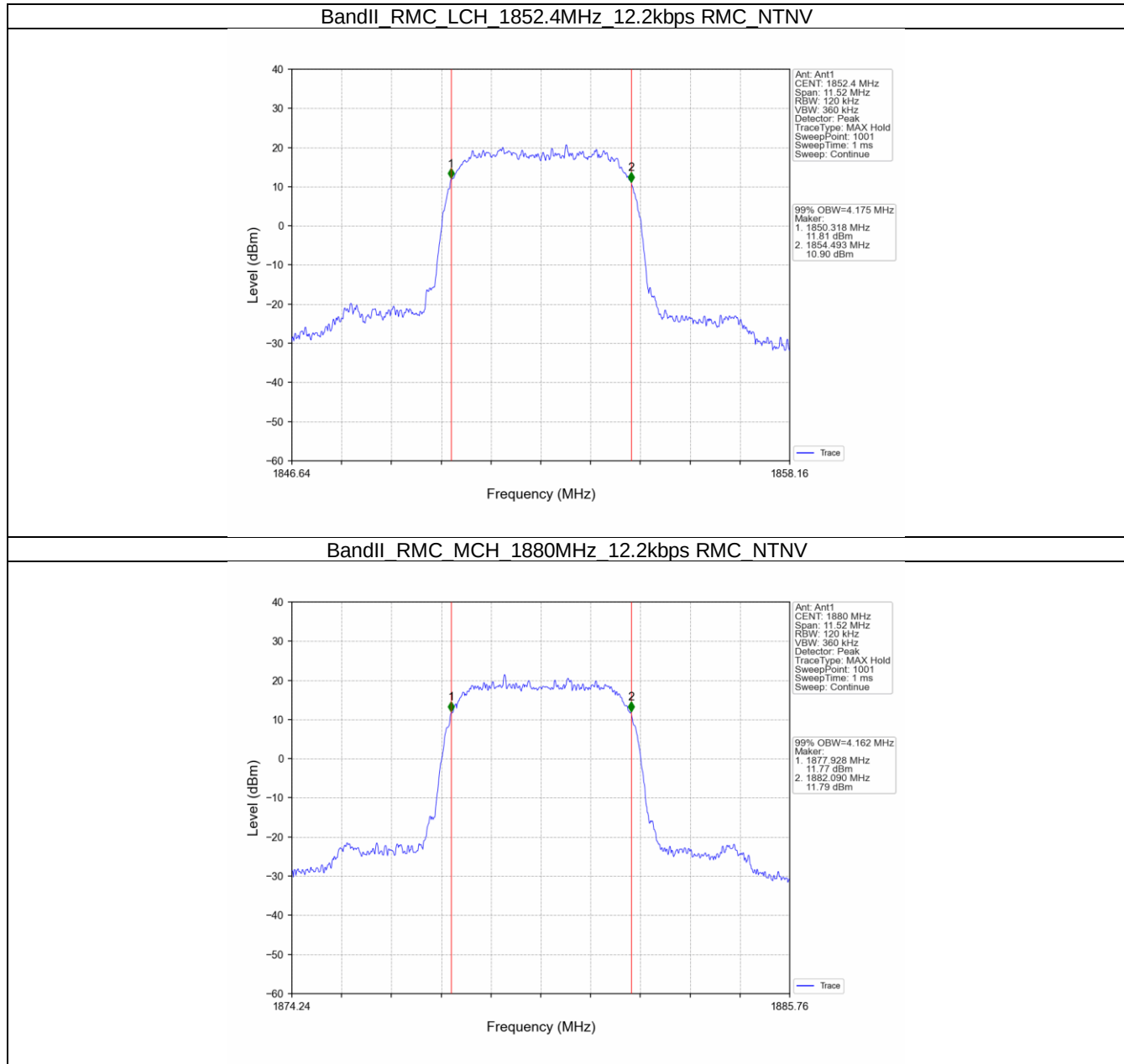
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## 3.1.2 Test Graph



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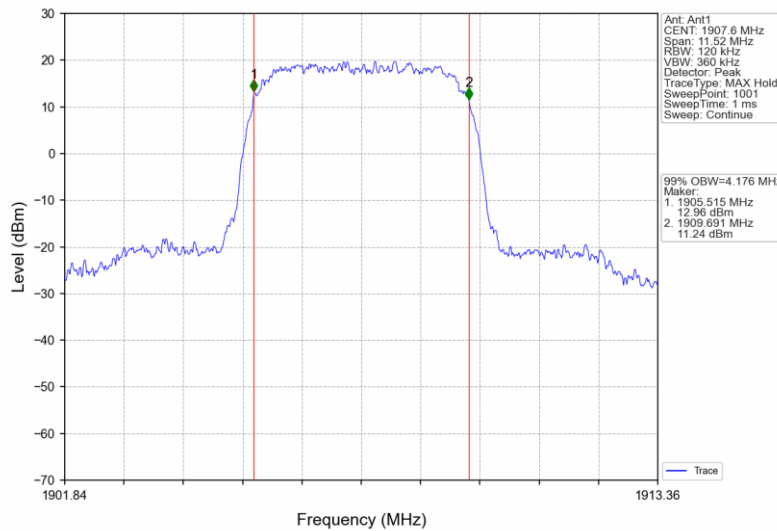
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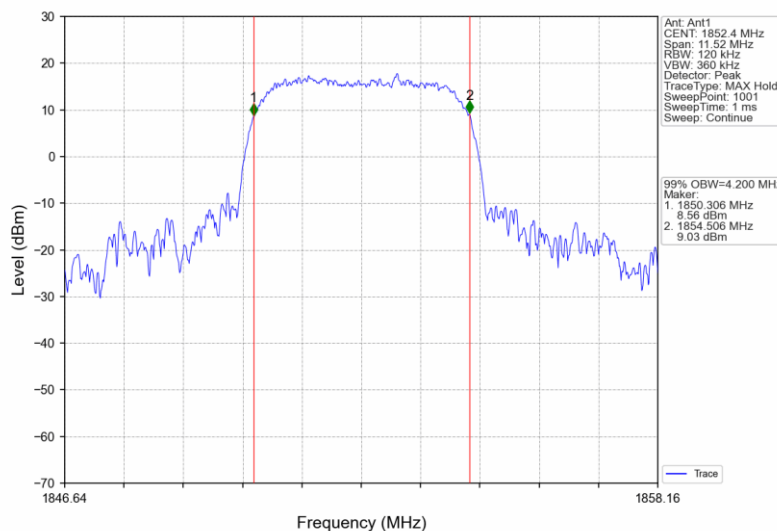
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BandII\_RMC\_HCH\_1907.6MHz\_12.2kbps RMC\_NTNV



BandII\_HSDPA\_LCH\_1852.4MHz\_Subtest 1\_NTNV



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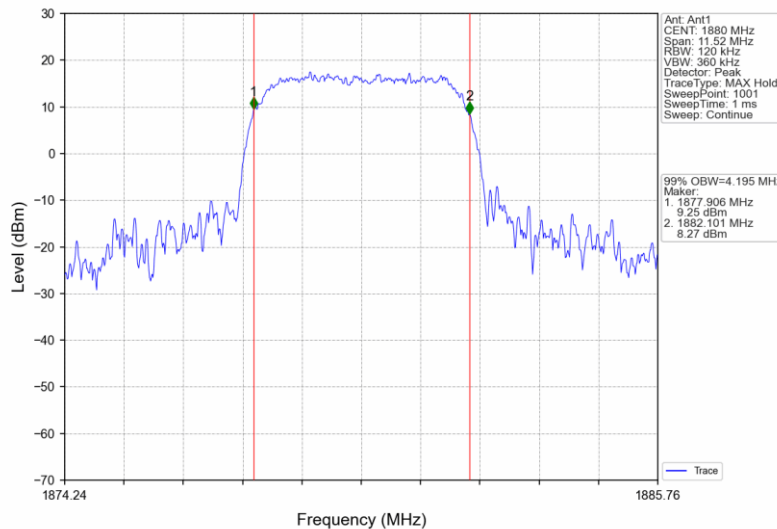
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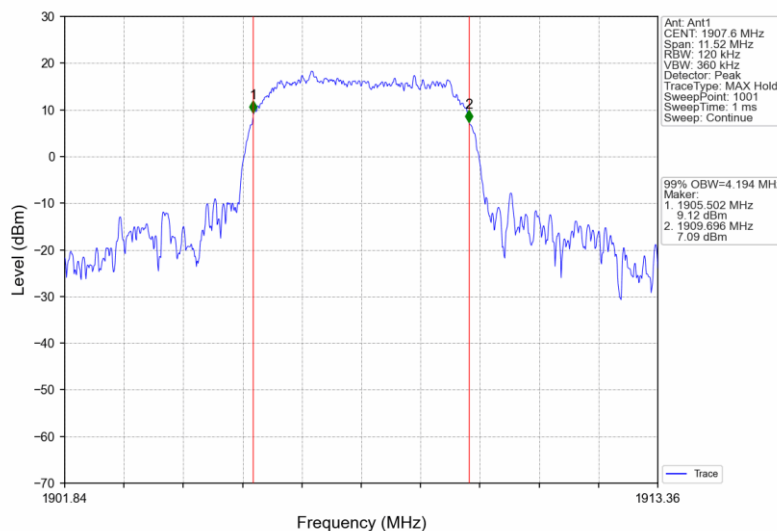
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BandII\_HSDPA\_MCH\_1880MHz\_Subtest 1\_NTNV



BandII\_HSDPA\_HCH\_1907.6MHz\_Subtest 1\_NTNV



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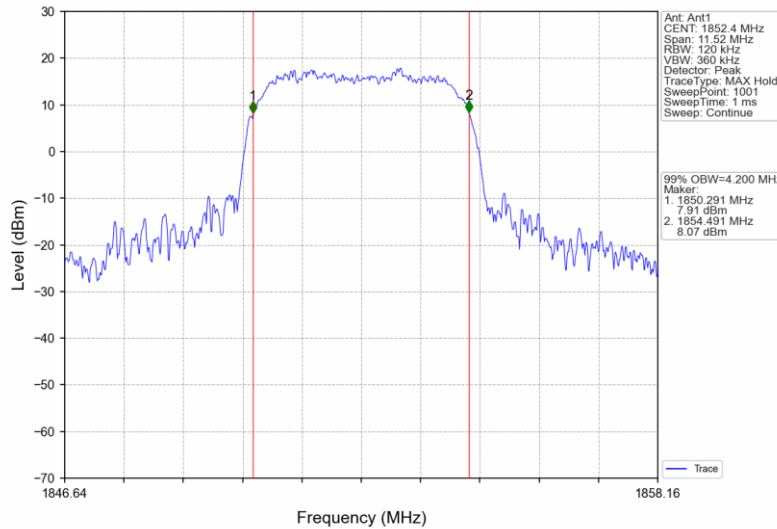
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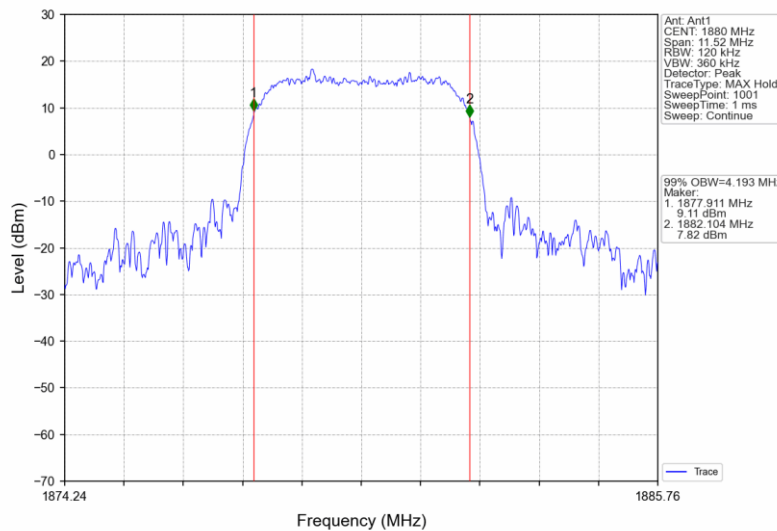
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BandII\_HSUPA\_LCH\_1852.4MHz\_Subtest 1\_NTNV



BandII\_HSUPA\_MCH\_1880MHz\_Subtest 1\_NTNV



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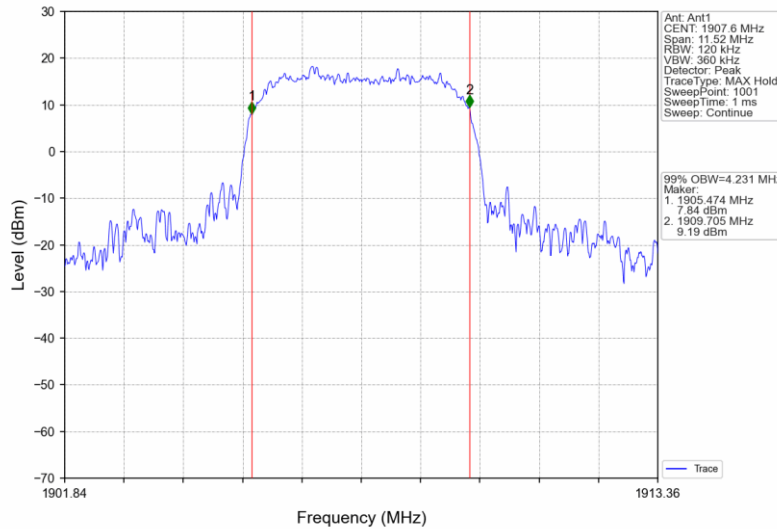
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BandII\_HSUPA\_HCH\_1907.6MHz\_Subtest 1\_NTNV



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## 3.2 BandII\_XDB

### 3.2.1 Test Result

| Band: II |         |              |                 |                      |       |         |
|----------|---------|--------------|-----------------|----------------------|-------|---------|
| ENV      | Mode    |              | Frequency (MHz) | 26dB Bandwidth (MHz) |       | Verdict |
|          | Network | Subset       |                 | Result               | Limit |         |
| NTNV     | RMC     | 12.2kbps RMC | 1852.4          | 4.734                | /     | Pass    |
|          |         |              | 1880            | 4.727                | /     | Pass    |
|          |         |              | 1907.6          | 4.757                | /     | Pass    |
|          | HSDPA   | Subtest 1    | 1852.4          | 4.989                | /     | Pass    |
|          |         |              | 1880            | 5.024                | /     | Pass    |
|          |         |              | 1907.6          | 4.730                | /     | Pass    |
|          | HSUPA   | Subtest 1    | 1852.4          | 4.742                | /     | Pass    |
|          |         |              | 1880            | 4.737                | /     | Pass    |
|          |         |              | 1907.6          | 5.561                | /     | Pass    |



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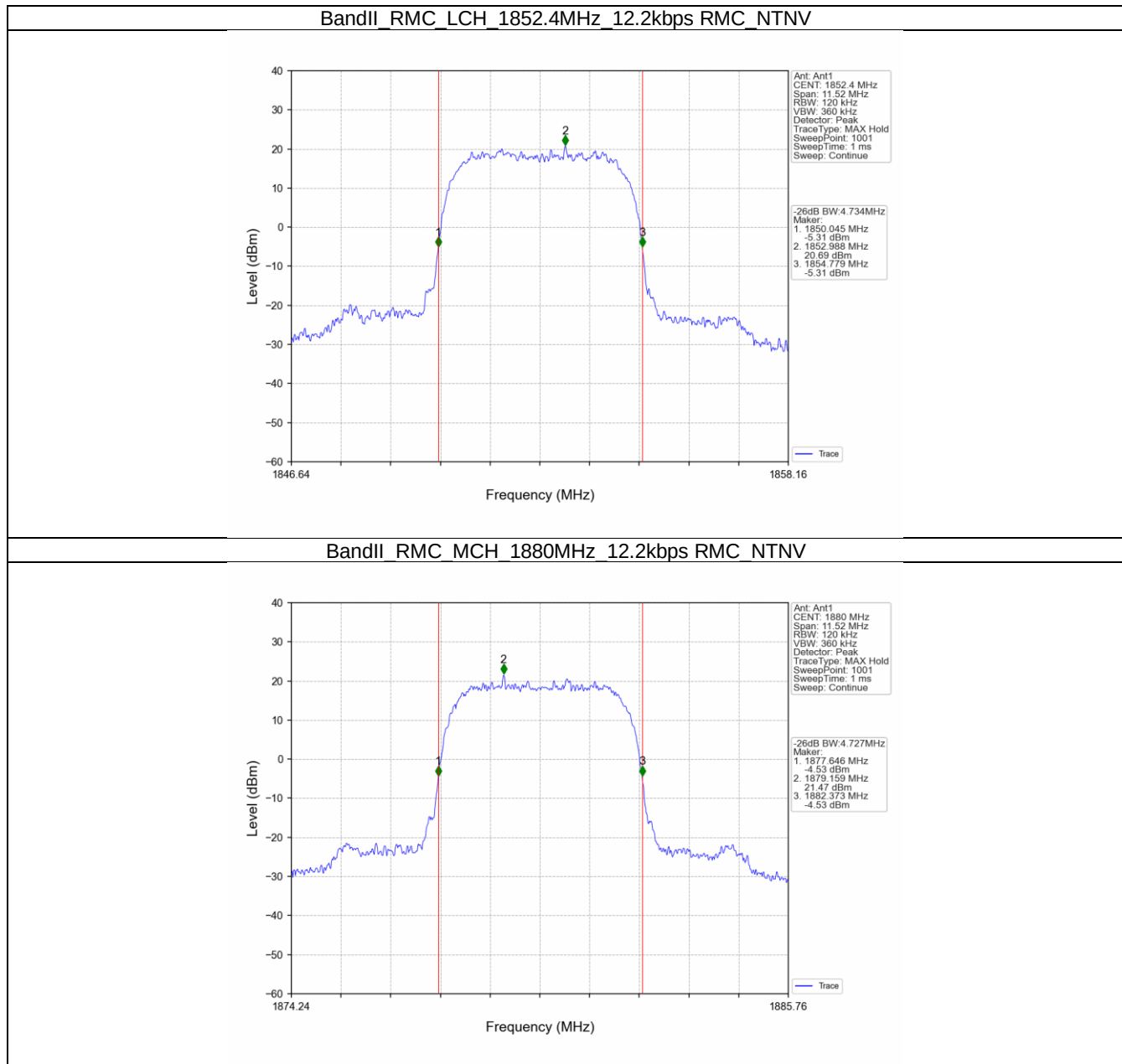
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## 3.2.2 Test Graph



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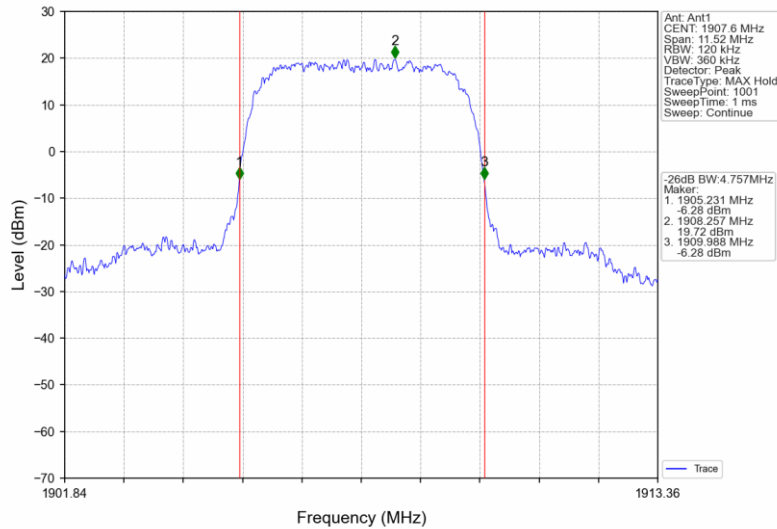
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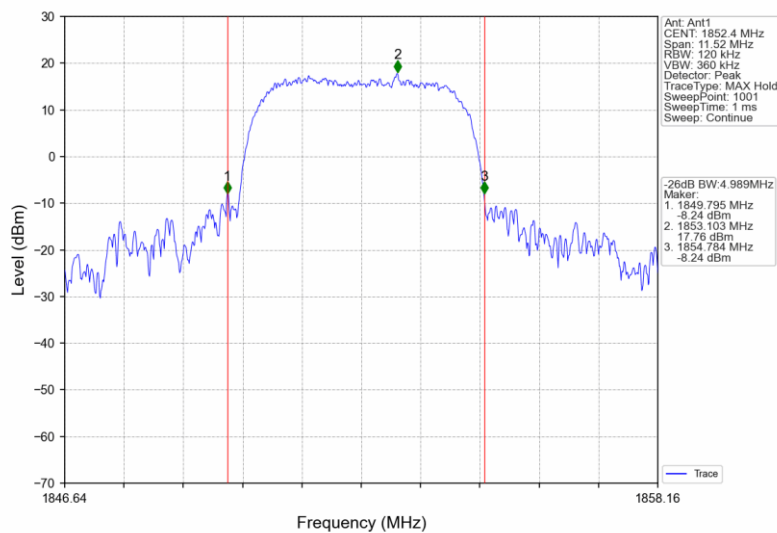
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BandII\_RMC\_HCH\_1907.6MHz\_12.2kbps RMC\_NTNV



BandII\_HSDPA\_LCH\_1852.4MHz\_Subtest 1\_NTNV



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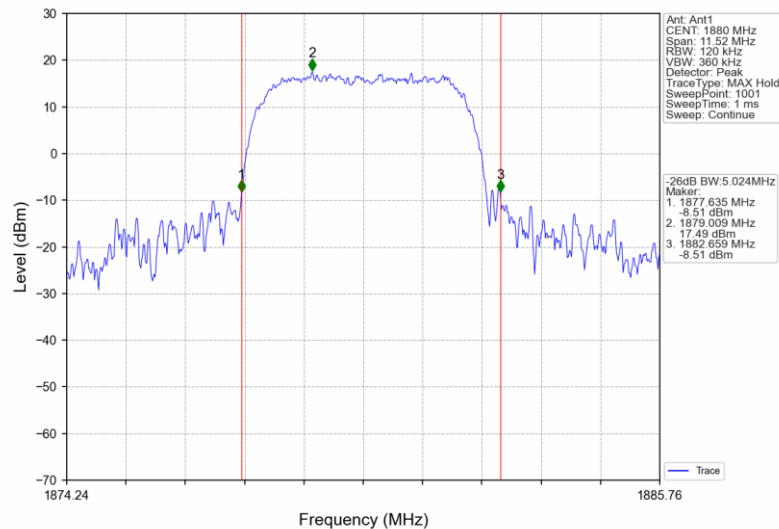
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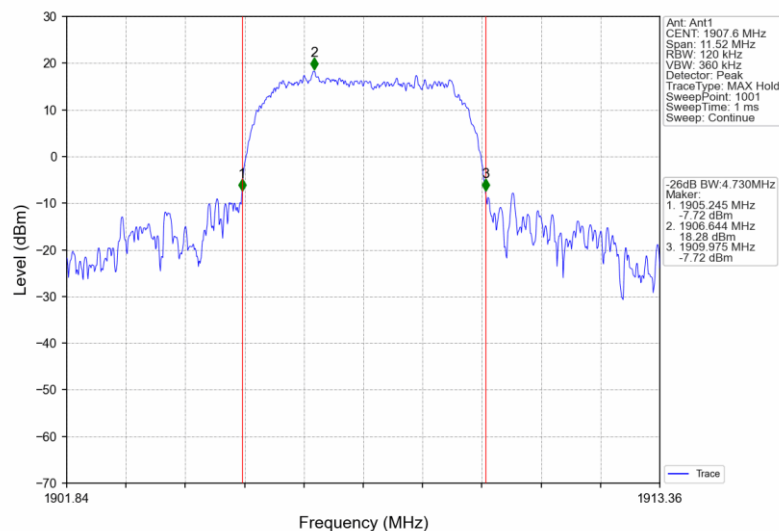
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BandII\_HSDPA\_MCH\_1880MHz\_Subtest 1\_NTNV



BandII\_HSDPA\_HCH\_1907.6MHz\_Subtest 1\_NTNV



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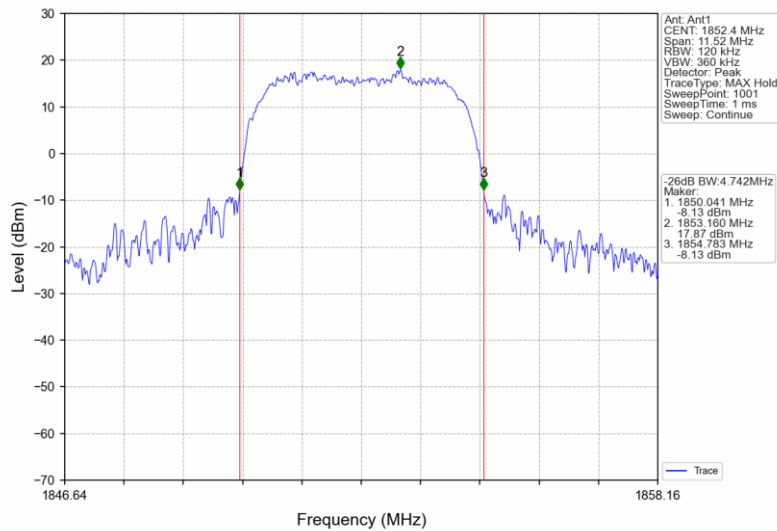
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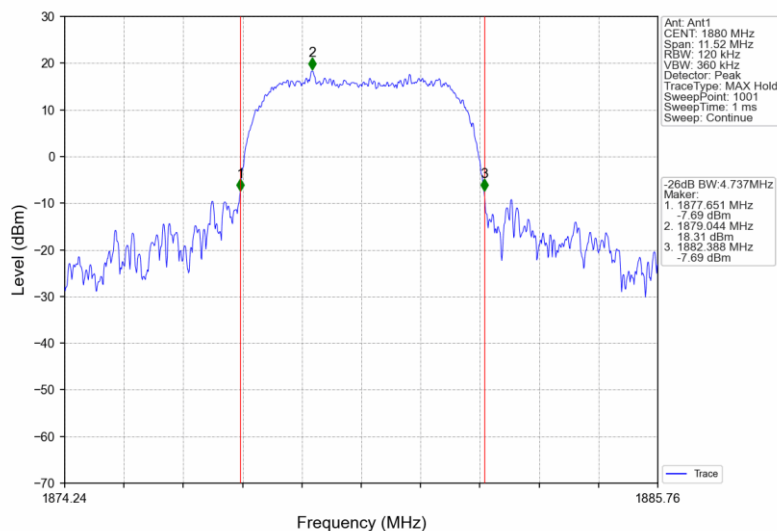
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BandII\_HSUPA\_LCH\_1852.4MHz\_Subtest 1\_NTNV



BandII\_HSUPA\_MCH\_1880MHz\_Subtest 1\_NTNV



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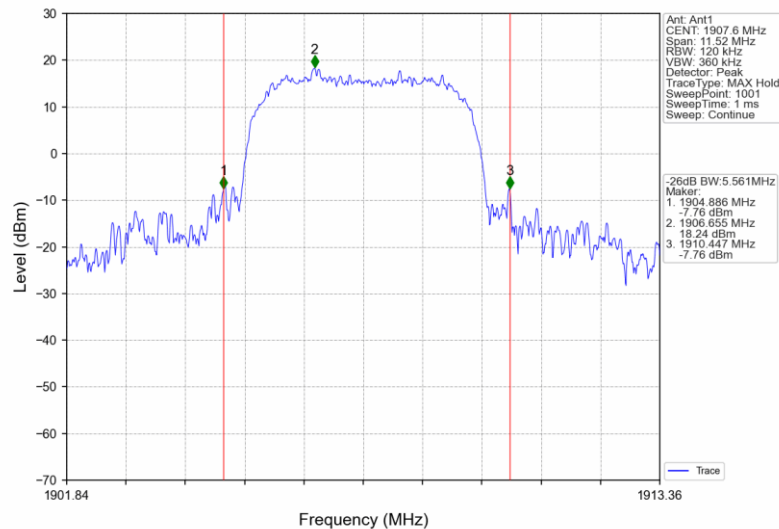
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## 4. Peak-Average Ratio

### 4.1 BandII

#### 4.1.1 Test Result

| Band: II |         |              |                    |                         |       |         |
|----------|---------|--------------|--------------------|-------------------------|-------|---------|
| ENV      | Mode    |              | Frequency<br>(MHz) | Peak-Average Ratio (dB) |       | Verdict |
|          | Network | Subset       |                    | Result                  | Limit |         |
| NTNV     | RMC     | 12.2kbps RMC | 1852.4             | 2.89                    | <=13  | Pass    |
|          |         |              | 1880               | 2.92                    | <=13  | Pass    |
|          |         |              | 1907.6             | 2.90                    | <=13  | Pass    |
|          | HSDPA   | Subtest 1    | 1852.4             | 5.82                    | <=13  | Pass    |
|          |         |              | 1880               | 5.87                    | <=13  | Pass    |
|          |         |              | 1907.6             | 5.87                    | <=13  | Pass    |
|          | HSUPA   | Subtest 1    | 1852.4             | 5.88                    | <=13  | Pass    |
|          |         |              | 1880               | 5.87                    | <=13  | Pass    |
|          |         |              | 1907.6             | 5.87                    | <=13  | Pass    |



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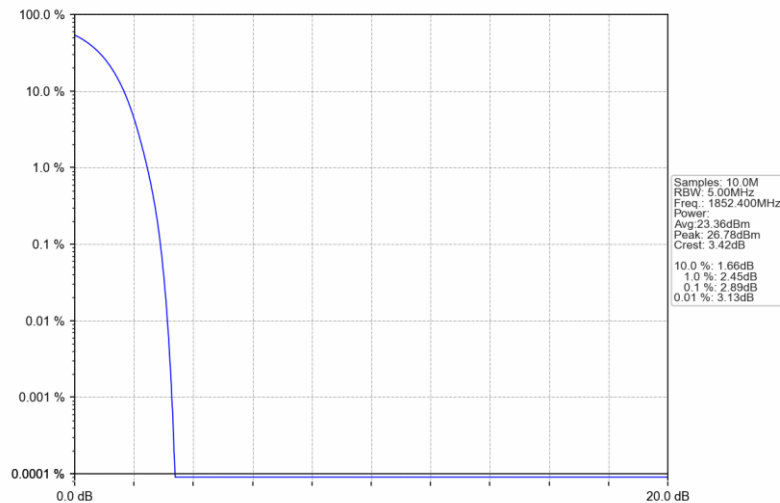
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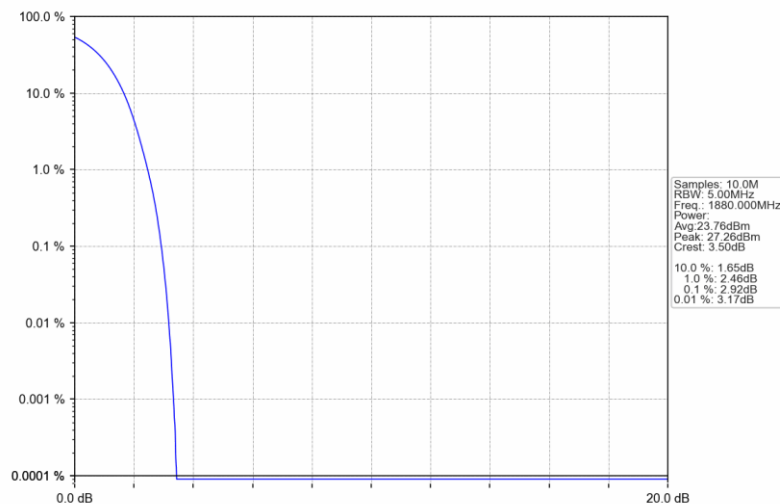
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## 4.1.2 Test Graph

BandII\_RMC\_LCH\_1852.4MHz\_12.2kbps RMC\_NTNV



BandII\_RMC\_MCH\_1880MHz\_12.2kbps RMC\_NTNV



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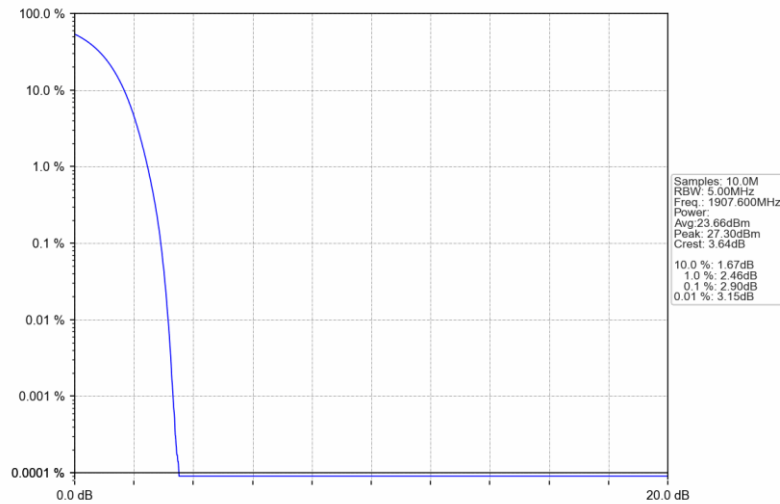
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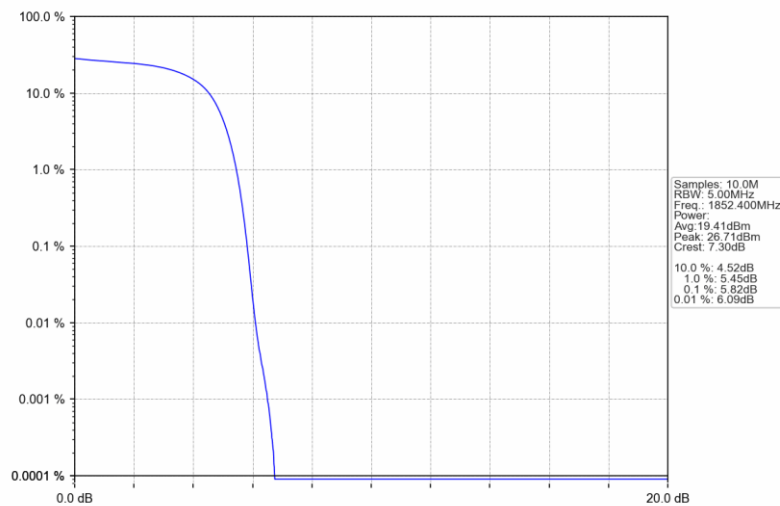
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BandII\_RMC\_HCH\_1907.6MHz\_12.2kbps RMC\_NTNV



BandII\_HSDPA\_LCH\_1852.4MHz\_Subtest 1\_NTNV



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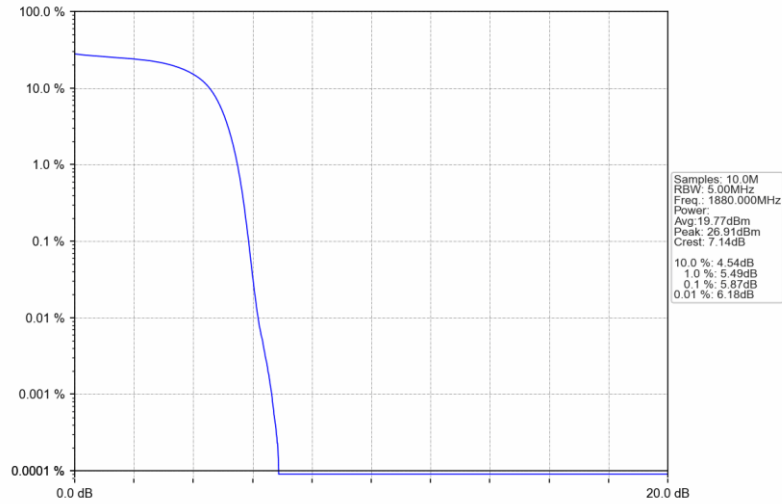
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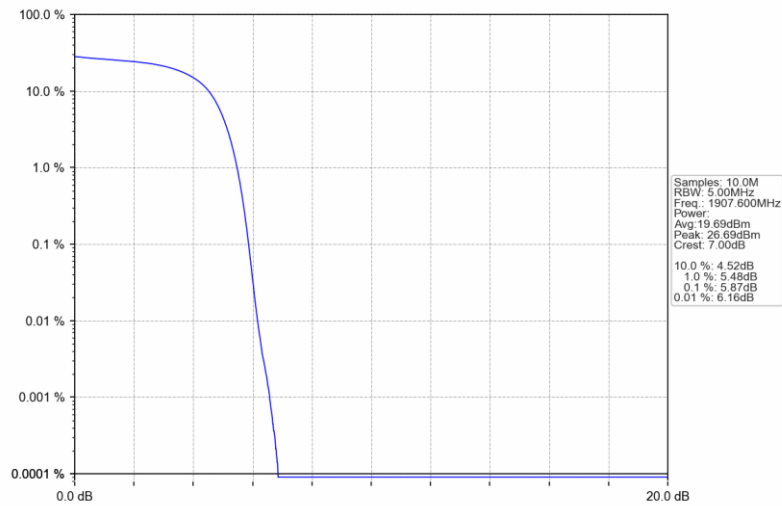
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BandII\_HSDPA\_MCH\_1880MHz\_Subtest 1\_NTNV



BandII\_HSDPA\_HCH\_1907.6MHz\_Subtest 1\_NTNV



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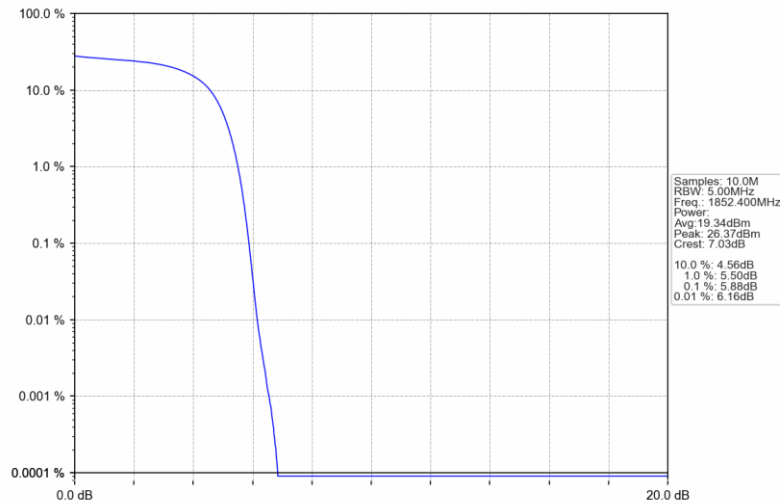
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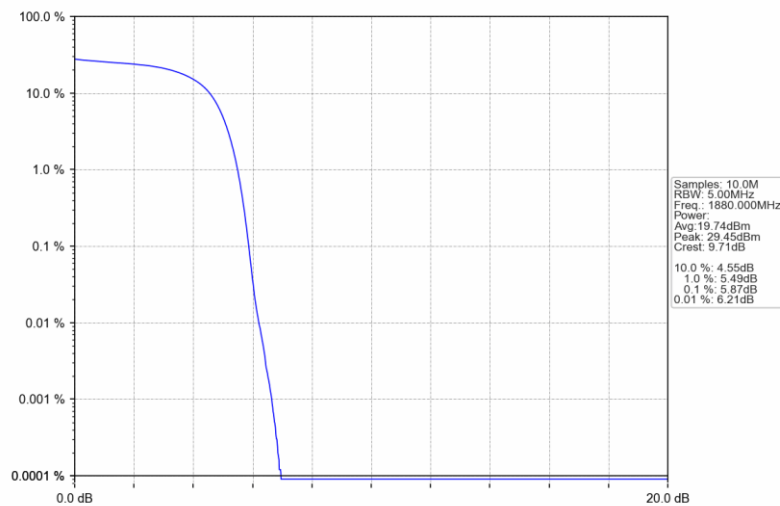
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BandII\_HSUPA\_MCH\_1880MHz\_Subtest 1\_NTNV



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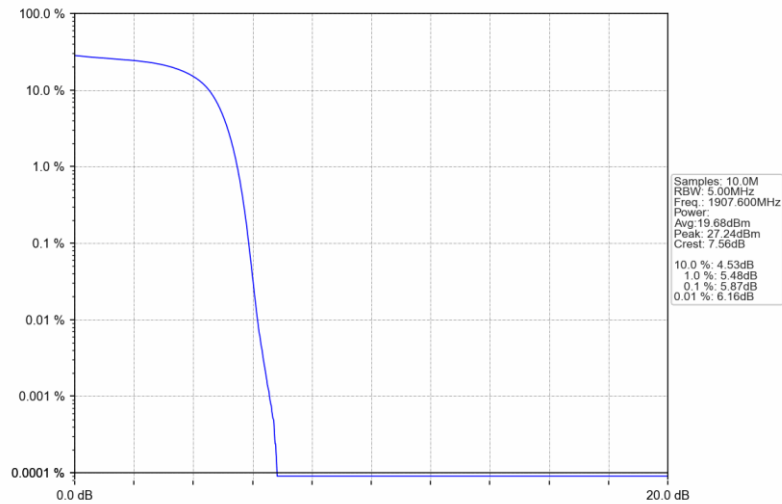
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## 5. Spurious Emission & Band Edges

### 5.1 BandII

#### 5.1.1 Test Result

| Band: II |         |              |                    |                     |       |         |
|----------|---------|--------------|--------------------|---------------------|-------|---------|
| ENV      | Mode    |              | Frequency<br>(MHz) | Spurious Emission   |       | Verdict |
|          | Network | Subset       |                    | Result              | Limit |         |
| NTNV     | RMC     | 12.2kbps RMC | 1852.4             | Refer To Test Graph | Pass  |         |
|          |         |              | 1880               | Refer To Test Graph | Pass  |         |
|          |         |              | 1907.6             | Refer To Test Graph | Pass  |         |
|          | HSDPA   | Subtest 1    | 1852.4             | Refer To Test Graph | Pass  |         |
|          |         |              | 1880               | Refer To Test Graph | Pass  |         |
|          |         |              | 1907.6             | Refer To Test Graph | Pass  |         |
|          | HSUPA   | Subtest 1    | 1852.4             | Refer To Test Graph | Pass  |         |
|          |         |              | 1880               | Refer To Test Graph | Pass  |         |
|          |         |              | 1907.6             | Refer To Test Graph | Pass  |         |



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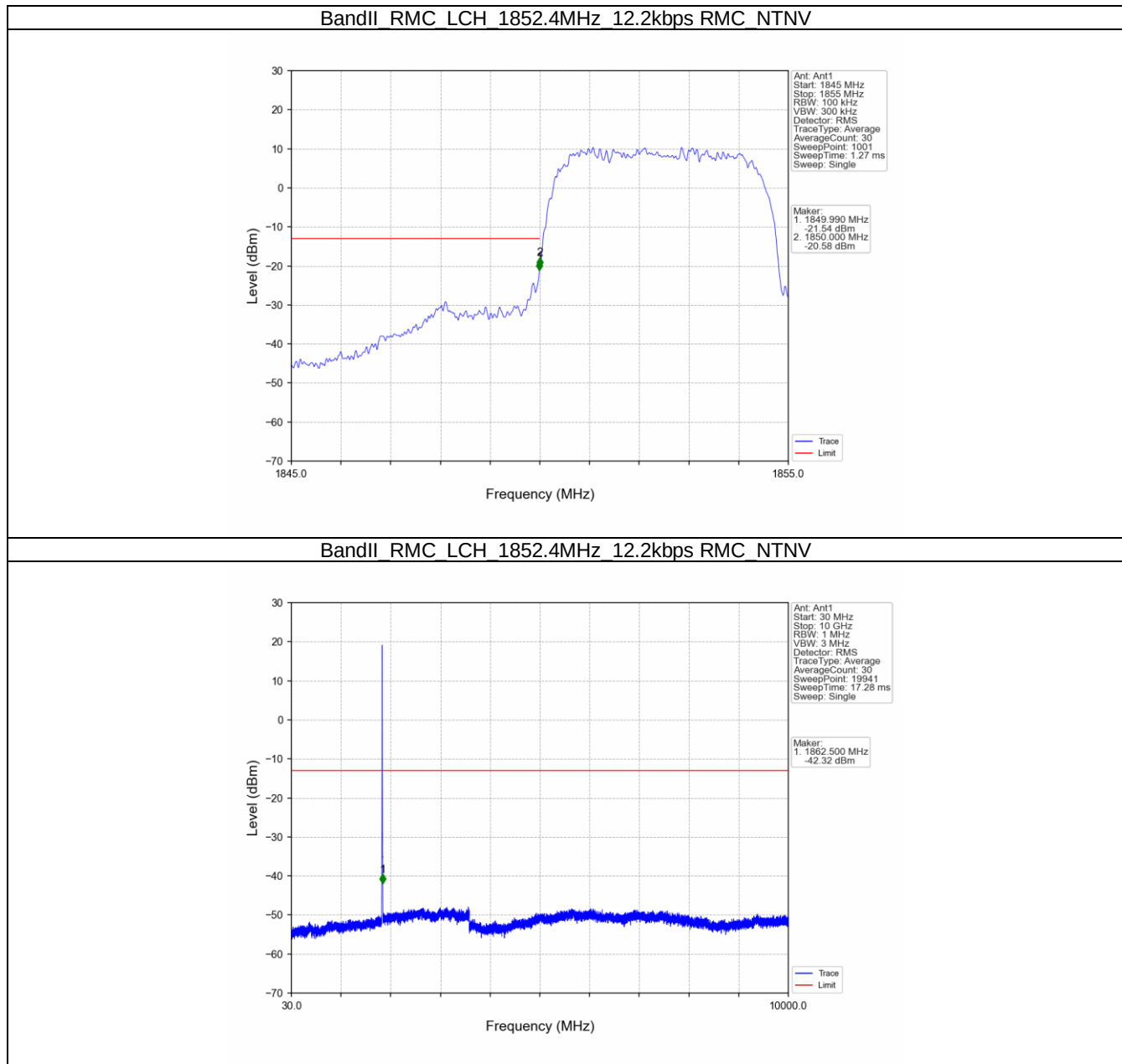
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## 5.1.2 Test Graph



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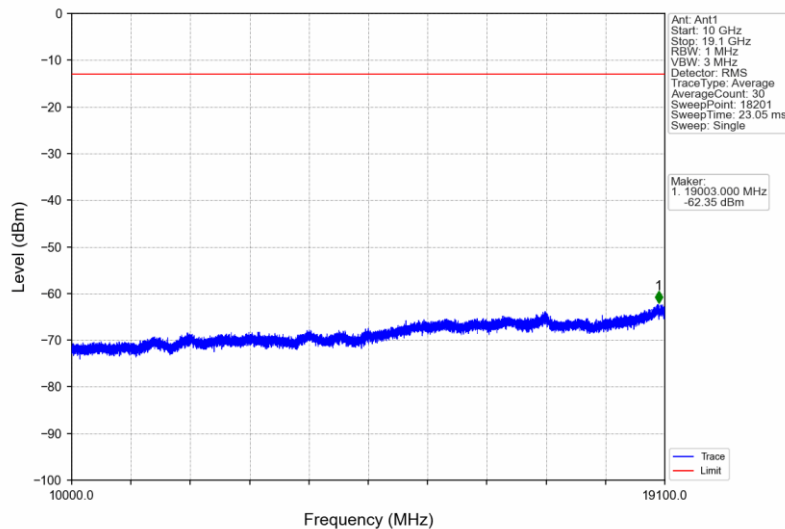
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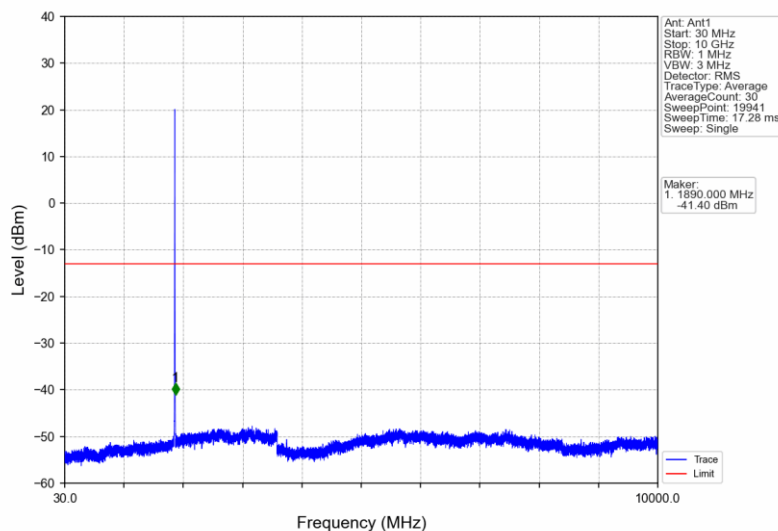
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BandII\_RMC\_MCH\_1880MHz\_12.2kbps RMC\_NTNV



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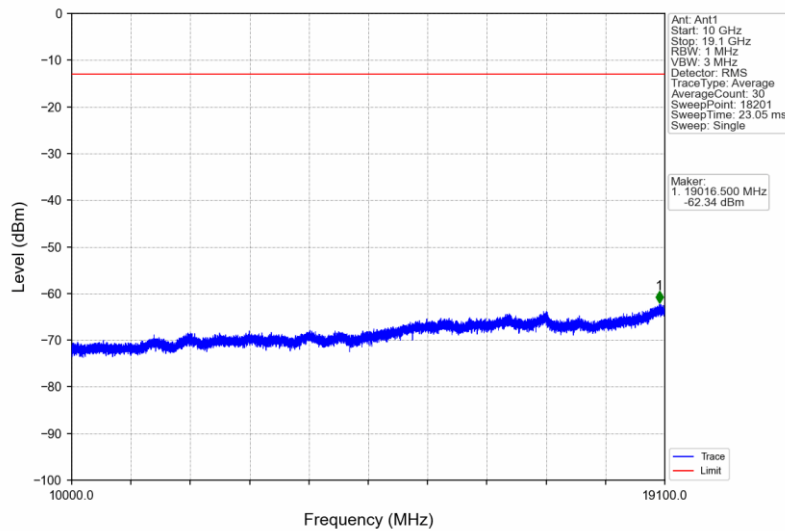
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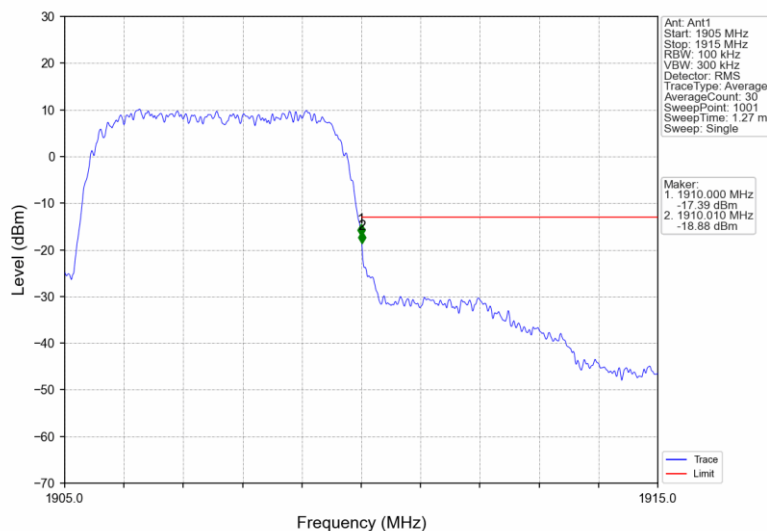
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BandII\_RMC\_HCH\_1907.6MHz\_12.2kbps RMC\_NTNV



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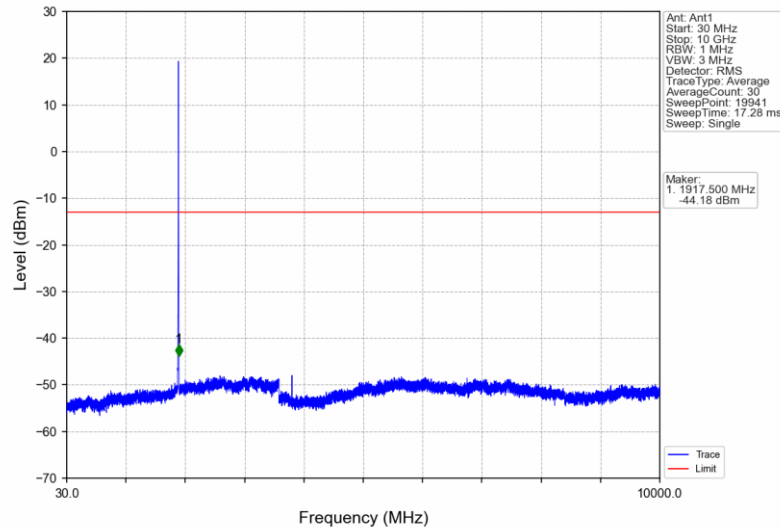
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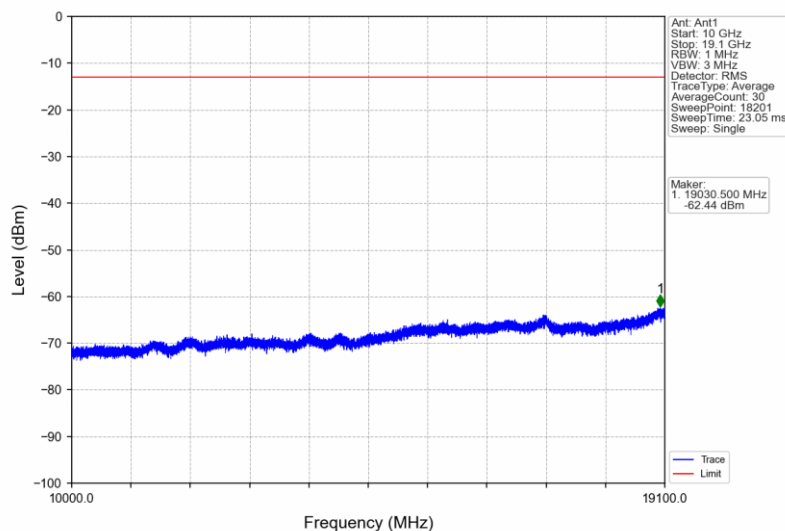
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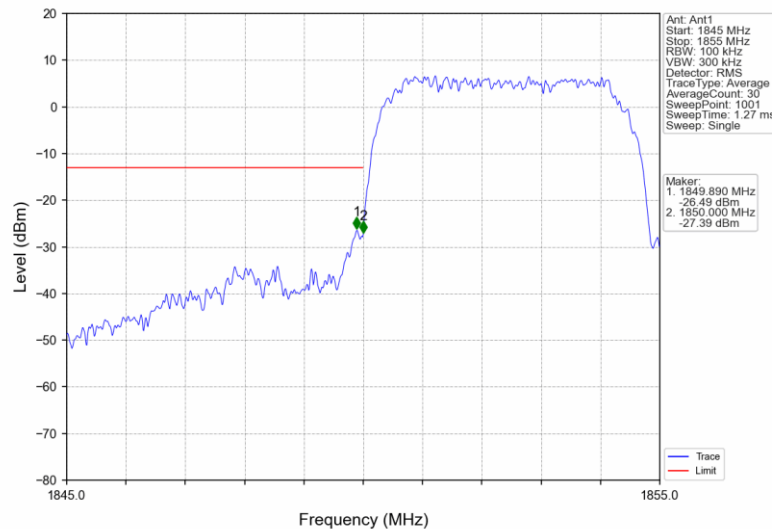
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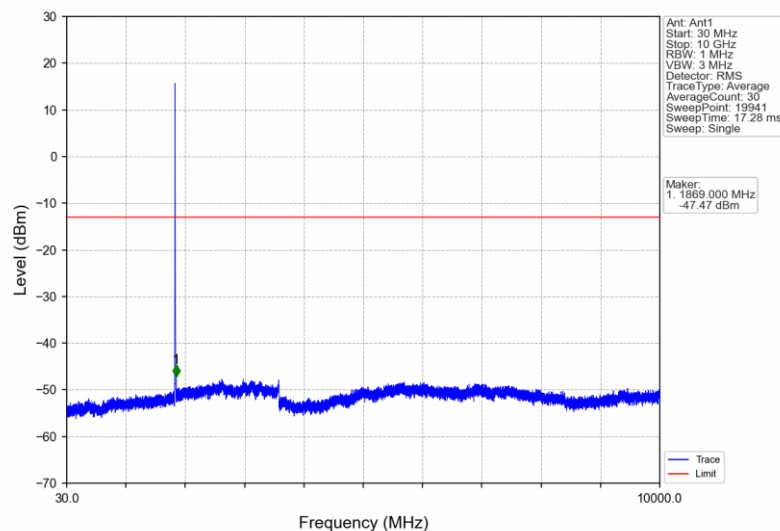
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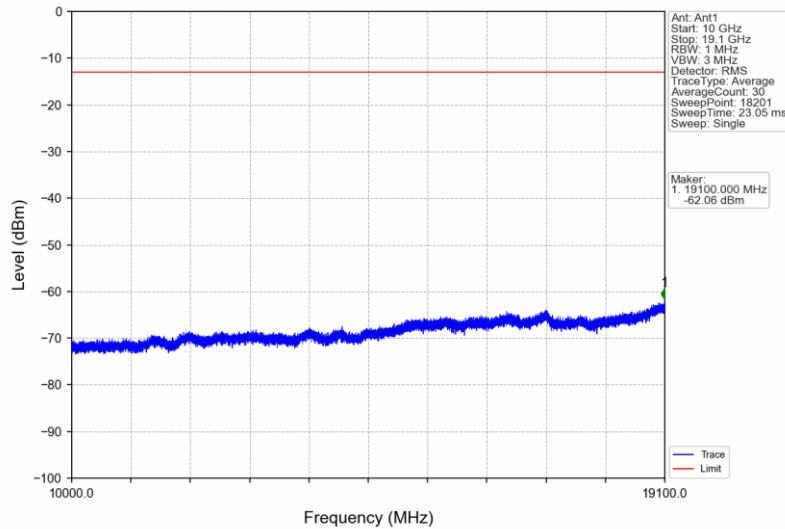
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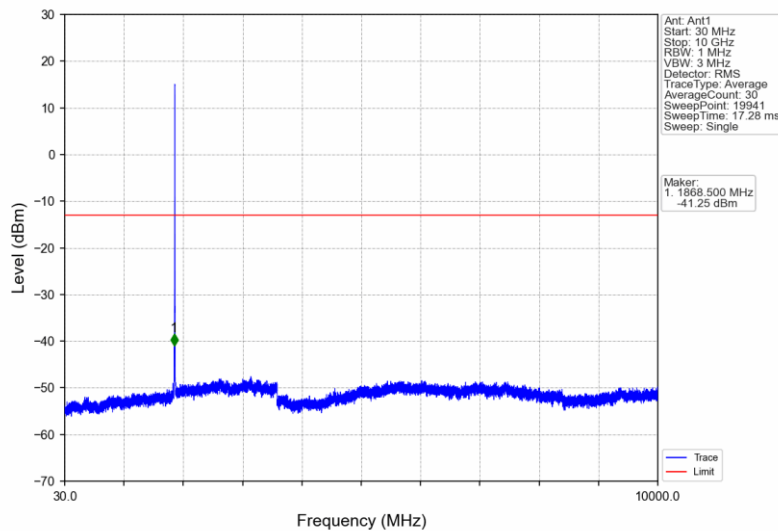
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BandII\_HSDPA\_MCH\_1880MHz\_Subtest 1\_NTNV



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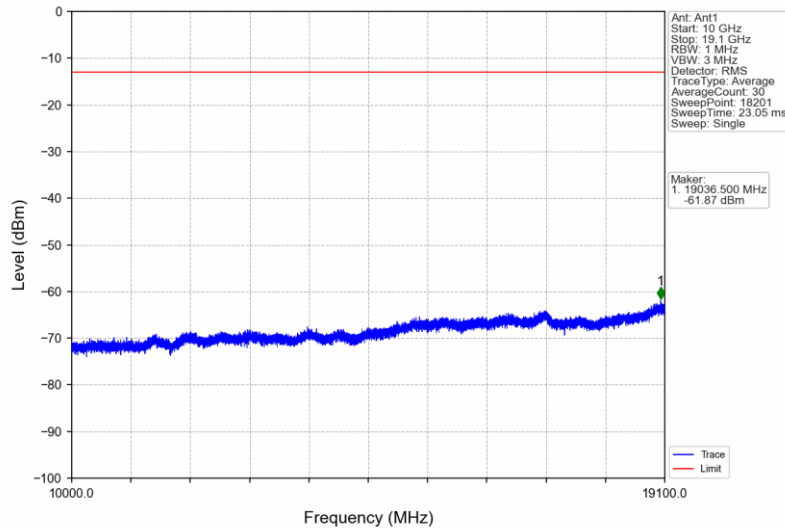
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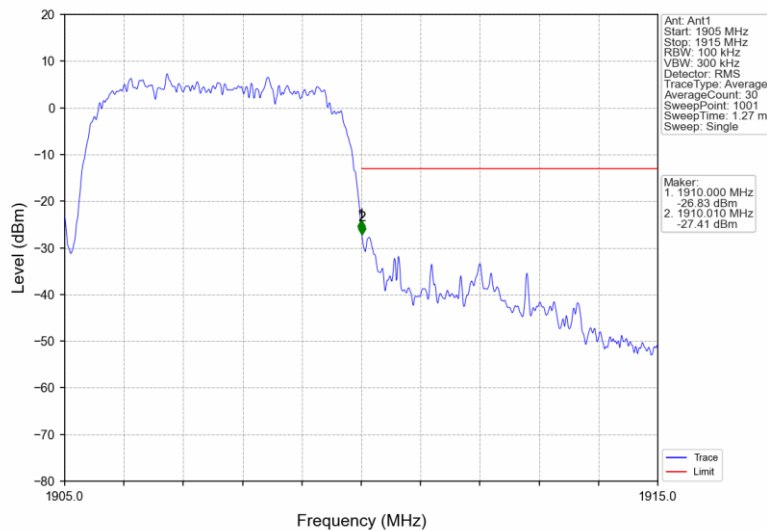
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BandII\_HSDPA\_HCH\_1907.6MHz\_Subtest 1\_NTNV



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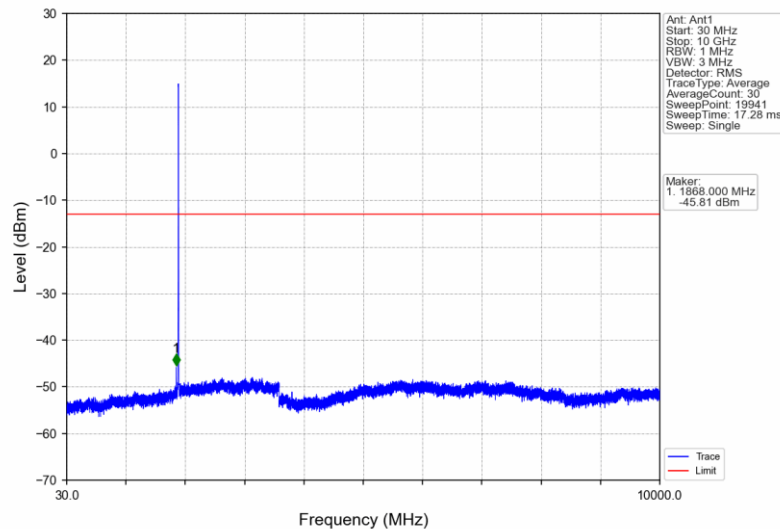
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Report No.: SZCR240100035201

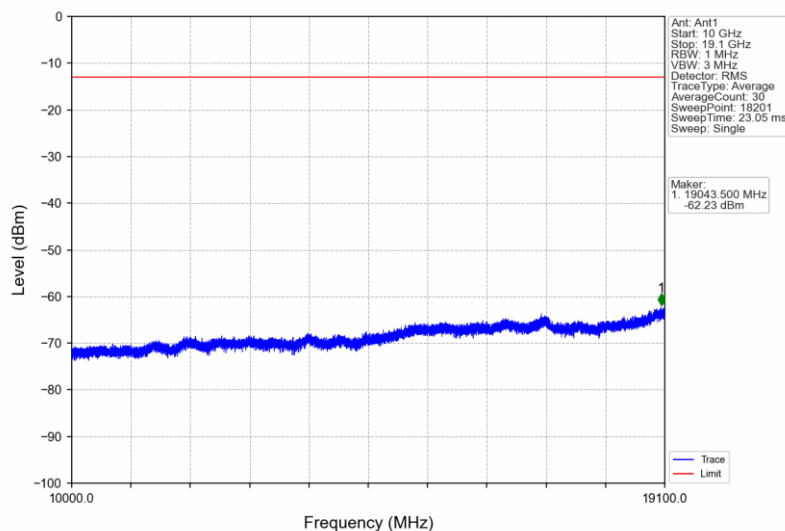
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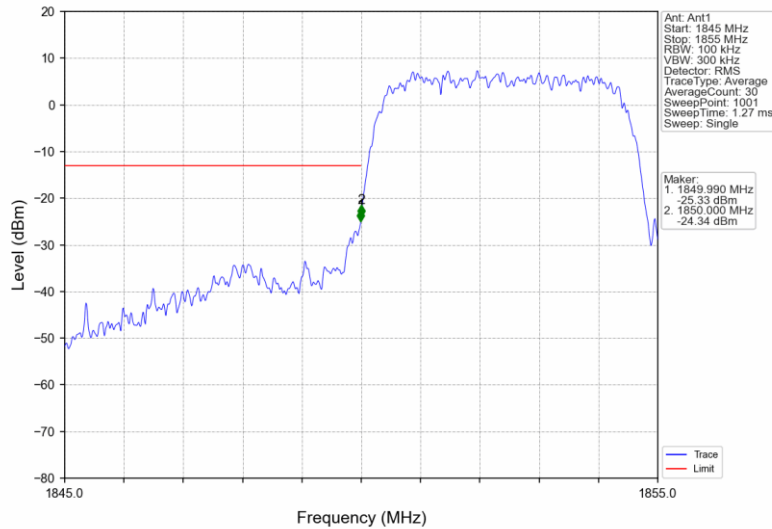
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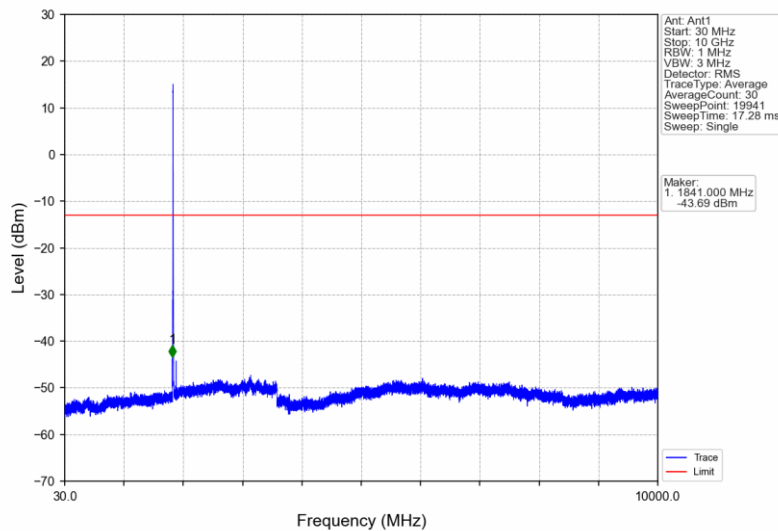
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BandII\_HSUPA\_LCH\_1852.4MHz\_Subtest 1\_NTNV



BandII\_HSUPA\_LCH\_1852.4MHz\_Subtest 1\_NTNV



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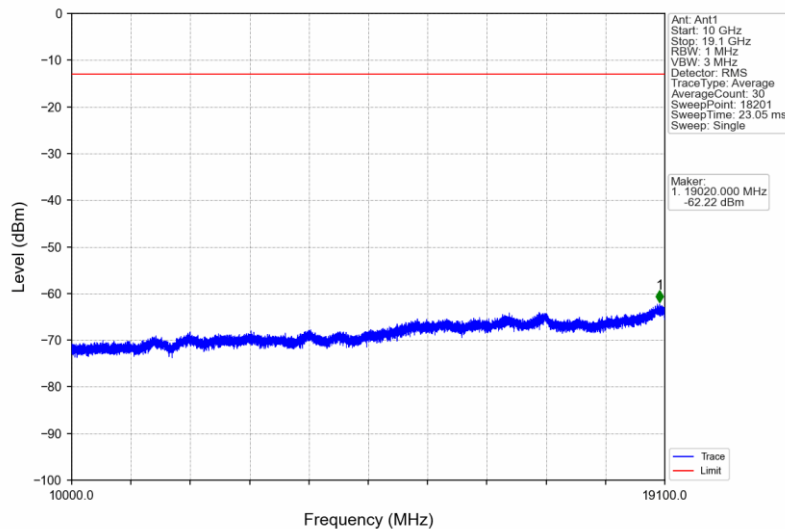
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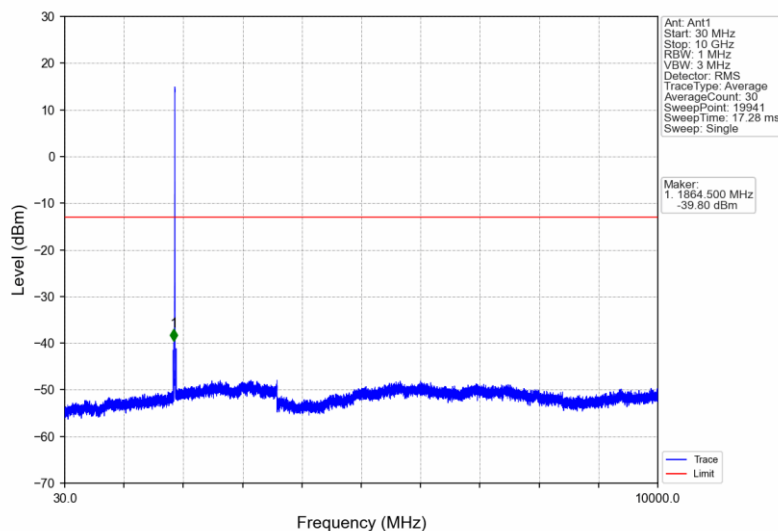
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BandII\_HSUPA\_LCH\_1852.4MHz\_Subtest 1\_NTNV



BandII\_HSUPA\_MCH\_1880MHz\_Subtest 1\_NTNV



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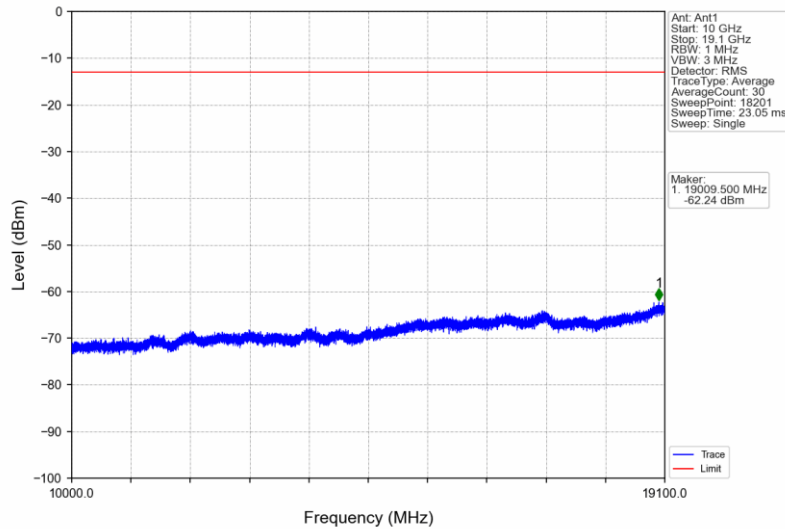
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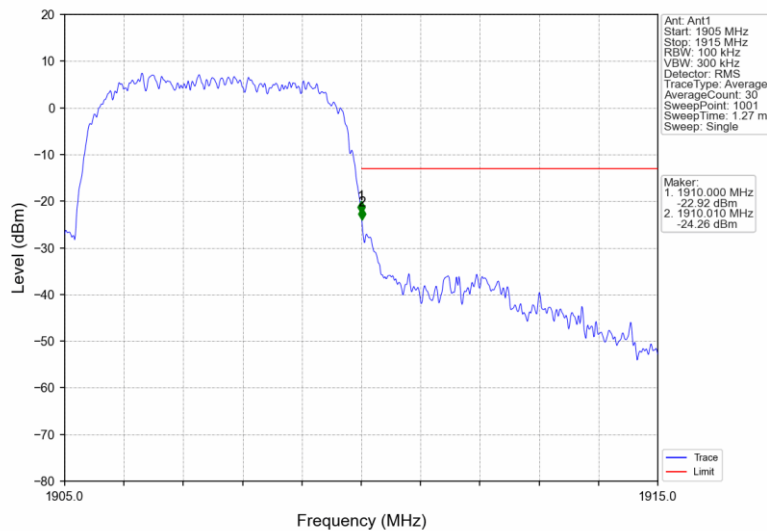
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BandII\_HSUPA\_MCH\_1880MHz\_Subtest 1\_NTNV



BandII\_HSUPA\_HCH\_1907.6MHz\_Subtest 1\_NTNV



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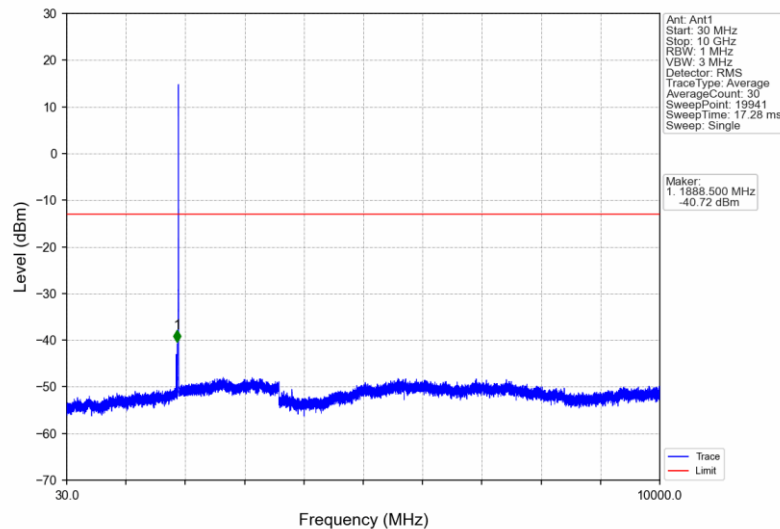
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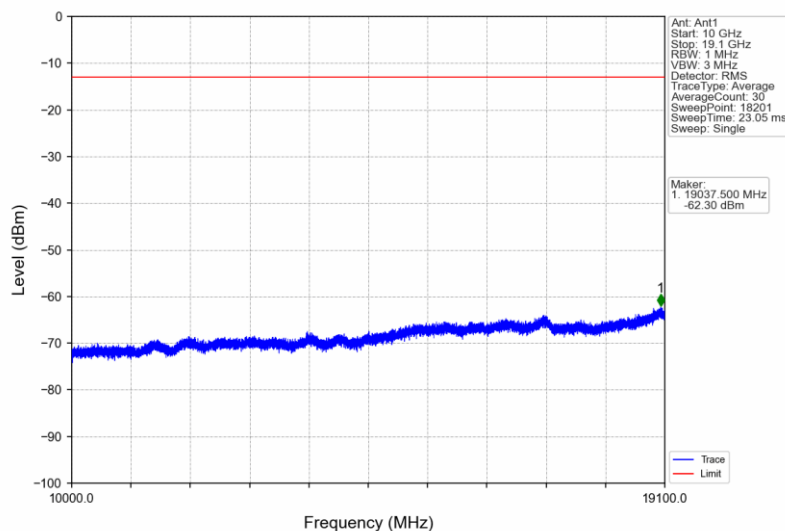
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BandII\_HSUPA\_HCH\_1907.6MHz\_Subtest 1\_NTNV



BandII\_HSUPA\_HCH\_1907.6MHz\_Subtest 1\_NTNV



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## 6. Field Strength of Spurious Radiation

Test Band = BII \_ TM1

Test Channel = low

| Final Data List |                 |                |           |             |             |             |             |            |
|-----------------|-----------------|----------------|-----------|-------------|-------------|-------------|-------------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   |
| 1               | 3704.8000       | 54.91          | 29.03     | -47.47      | -58.79      | -13.00      | 45.79       | Horizontal |
| 2               | 5557.2000       | 51.64          | 32.58     | -47.04      | -58.08      | -13.00      | 45.08       | Horizontal |
| 3               | 7409.6000       | 45.36          | 36.29     | -45.07      | -58.68      | -13.00      | 45.68       | Horizontal |
| 4               | 9262.0000       | 40.27          | 36.70     | -42.42      | -60.71      | -13.00      | 47.71       | Horizontal |
| 5               | 11114.4000      | 37.31          | 39.62     | -39.32      | -57.65      | -13.00      | 44.65       | Horizontal |
| 6               | 12966.8000      | 36.52          | 39.70     | -38.63      | -57.67      | -13.00      | 44.67       | Horizontal |

| Final Data List |                 |                |           |             |             |             |             |          |
|-----------------|-----------------|----------------|-----------|-------------|-------------|-------------|-------------|----------|
| NO.             | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1               | 3704.8000       | 53.41          | 29.03     | -47.47      | -60.29      | -13.00      | 47.29       | Vertical |
| 2               | 5557.2000       | 48.80          | 32.58     | -47.04      | -60.92      | -13.00      | 47.92       | Vertical |
| 3               | 7409.6000       | 43.61          | 36.29     | -45.07      | -60.43      | -13.00      | 47.43       | Vertical |
| 4               | 9262.0000       | 40.47          | 36.70     | -42.42      | -60.51      | -13.00      | 47.51       | Vertical |
| 5               | 11114.4000      | 37.34          | 39.62     | -39.32      | -57.62      | -13.00      | 44.62       | Vertical |
| 6               | 12966.8000      | 36.46          | 39.70     | -38.63      | -57.73      | -13.00      | 44.73       | Vertical |



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Test Band = BII \_ TM1

Test Channel = mid

| Final Data List |                 |                |           |             |             |             |             |            |
|-----------------|-----------------|----------------|-----------|-------------|-------------|-------------|-------------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   |
| 1               | 3760.0000       | 57.96          | 29.12     | -47.32      | -55.50      | -13.00      | 42.50       | Horizontal |
| 2               | 5640.0000       | 55.08          | 32.54     | -46.87      | -54.51      | -13.00      | 41.51       | Horizontal |
| 3               | 7520.0000       | 46.26          | 36.39     | -45.00      | -57.61      | -13.00      | 44.61       | Horizontal |
| 4               | 9400.0000       | 40.31          | 37.02     | -41.56      | -59.49      | -13.00      | 46.49       | Horizontal |
| 5               | 11280.0000      | 37.35          | 39.66     | -39.28      | -57.53      | -13.00      | 44.53       | Horizontal |
| 6               | 13160.0000      | 36.31          | 39.99     | -38.47      | -57.43      | -13.00      | 44.43       | Horizontal |

| Final Data List |                 |                |           |             |             |             |             |          |
|-----------------|-----------------|----------------|-----------|-------------|-------------|-------------|-------------|----------|
| NO.             | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1               | 3760.0000       | 55.29          | 29.12     | -47.32      | -58.17      | -13.00      | 45.17       | Vertical |
| 2               | 5640.0000       | 51.41          | 32.54     | -46.87      | -58.18      | -13.00      | 45.18       | Vertical |
| 3               | 7520.0000       | 43.66          | 36.39     | -45.00      | -60.21      | -13.00      | 47.21       | Vertical |
| 4               | 9400.0000       | 39.90          | 37.02     | -41.56      | -59.90      | -13.00      | 46.90       | Vertical |
| 5               | 11280.0000      | 37.24          | 39.66     | -39.28      | -57.64      | -13.00      | 44.64       | Vertical |
| 6               | 13160.0000      | 36.49          | 39.99     | -38.47      | -57.25      | -13.00      | 44.25       | Vertical |



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Test Band = BII \_ TM1  
Test Channel = high

| Final Data List |                 |                |           |             |             |             |             |            |
|-----------------|-----------------|----------------|-----------|-------------|-------------|-------------|-------------|------------|
| NO.             | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity   |
| 1               | 3815.2000       | 60.79          | 29.20     | -47.19      | -52.46      | -13.00      | 39.46       | Horizontal |
| 2               | 5722.8000       | 55.85          | 32.51     | -46.78      | -53.68      | -13.00      | 40.68       | Horizontal |
| 3               | 7630.4000       | 45.99          | 36.35     | -44.44      | -57.36      | -13.00      | 44.36       | Horizontal |
| 4               | 9538.0000       | 39.07          | 37.34     | -41.98      | -60.83      | -13.00      | 47.83       | Horizontal |
| 5               | 11445.6000      | 37.46          | 39.69     | -38.84      | -56.95      | -13.00      | 43.95       | Horizontal |
| 6               | 13353.2000      | 37.18          | 40.34     | -38.61      | -56.35      | -13.00      | 43.35       | Horizontal |

| Final Data List |                 |                |           |             |             |             |             |          |
|-----------------|-----------------|----------------|-----------|-------------|-------------|-------------|-------------|----------|
| NO.             | Frequency [MHz] | Reading [dBμV] | AF [dB/m] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Polarity |
| 1               | 3815.2000       | 56.92          | 29.20     | -47.19      | -56.33      | -13.00      | 43.33       | Vertical |
| 2               | 5722.8000       | 52.27          | 32.51     | -46.78      | -57.26      | -13.00      | 44.26       | Vertical |
| 3               | 7630.4000       | 43.84          | 36.35     | -44.44      | -59.51      | -13.00      | 46.51       | Vertical |
| 4               | 9538.0000       | 39.69          | 37.34     | -41.98      | -60.21      | -13.00      | 47.21       | Vertical |
| 5               | 11445.6000      | 36.94          | 39.69     | -38.84      | -57.47      | -13.00      | 44.47       | Vertical |
| 6               | 13353.2000      | 36.65          | 40.34     | -38.61      | -56.88      | -13.00      | 43.88       | Vertical |

Remark:

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

AF = Antenna Factor(dB/m)

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

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

2) All antennas of RSE are tested, and only the worst data is presented.

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