

Appendix B

WCDMA Band II & IV & V



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1. Effective (Isotropic) Radiated Power

1.1. Test Result

| Band | Channel | Conducted Power (dBm) | EIRP (dBm) | Limit(dBm) | Verdict |
|---------|---------|-----------------------|------------|------------|---------|
| Band II | 9262 | 21.58 | 22.91 | 33.00 | PASS |
| Band II | 9400 | 21.55 | 22.88 | 33.00 | PASS |
| Band II | 9538 | 21.57 | 22.9 | 33.00 | PASS |
| Band IV | 1312 | 21.54 | 22.5 | 30.00 | PASS |
| Band IV | 1413 | 21.46 | 22.42 | 30.00 | PASS |
| Band IV | 1513 | 21.50 | 22.46 | 30.00 | PASS |

| Band | Channel | Conducted Power (dBm) | ERP (dBm) | Limit(dBm) | Verdict |
|--------|---------|-----------------------|-----------|------------|---------|
| Band V | 4132 | 23.12 | 21.5 | 38.45 | PASS |
| Band V | 4182 | 23.04 | 21.42 | 38.45 | PASS |
| Band V | 4233 | 23.02 | 21.4 | 38.45 | PASS |

Remark:

a: For getting the EIRP (Efficient Isotropic Radiated Power), the following formula should be taken to calculate it,

ERP [dBm] = Conducted Power [dBm] + Gain [dBd]

EIRP [dBm] = Conducted Power [dBm] + Gain [dBi]

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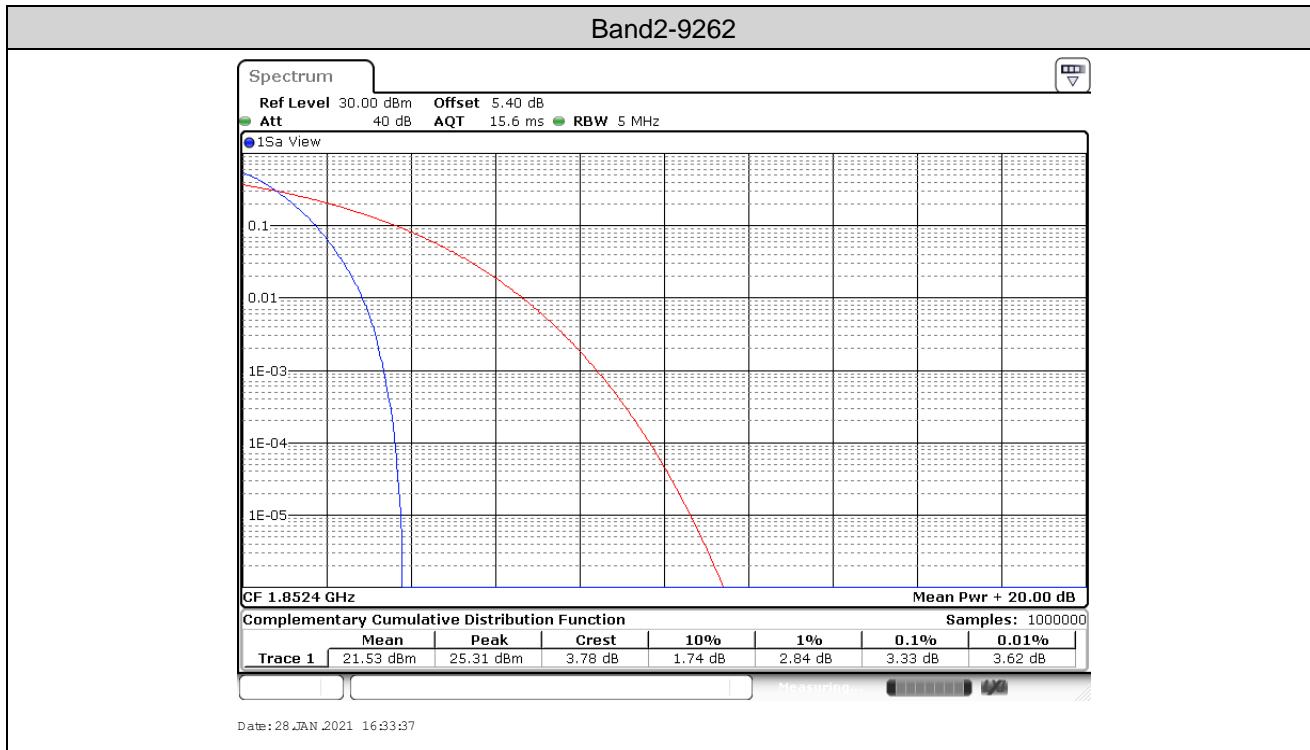
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2. Peak-to-Average Ratio(CCDF)

2.1. Test Result

| Band | Channel | Peak-to-Average Ratio(dB) | Limit(dB) | Verdict |
|-------|---------|---------------------------|-----------|---------|
| Band2 | 9262 | 3.33 | 13 | PASS |
| Band2 | 9400 | 3.33 | 13 | PASS |
| Band2 | 9538 | 3.3 | 13 | PASS |
| Band4 | 1312 | 3.39 | 13 | PASS |
| Band4 | 1413 | 3.39 | 13 | PASS |
| Band4 | 1513 | 3.33 | 13 | PASS |
| Band5 | 4132 | 3.07 | 13 | PASS |
| Band5 | 4182 | 3.13 | 13 | PASS |
| Band5 | 4233 | 3.13 | 13 | PASS |

2.2. Test Plots



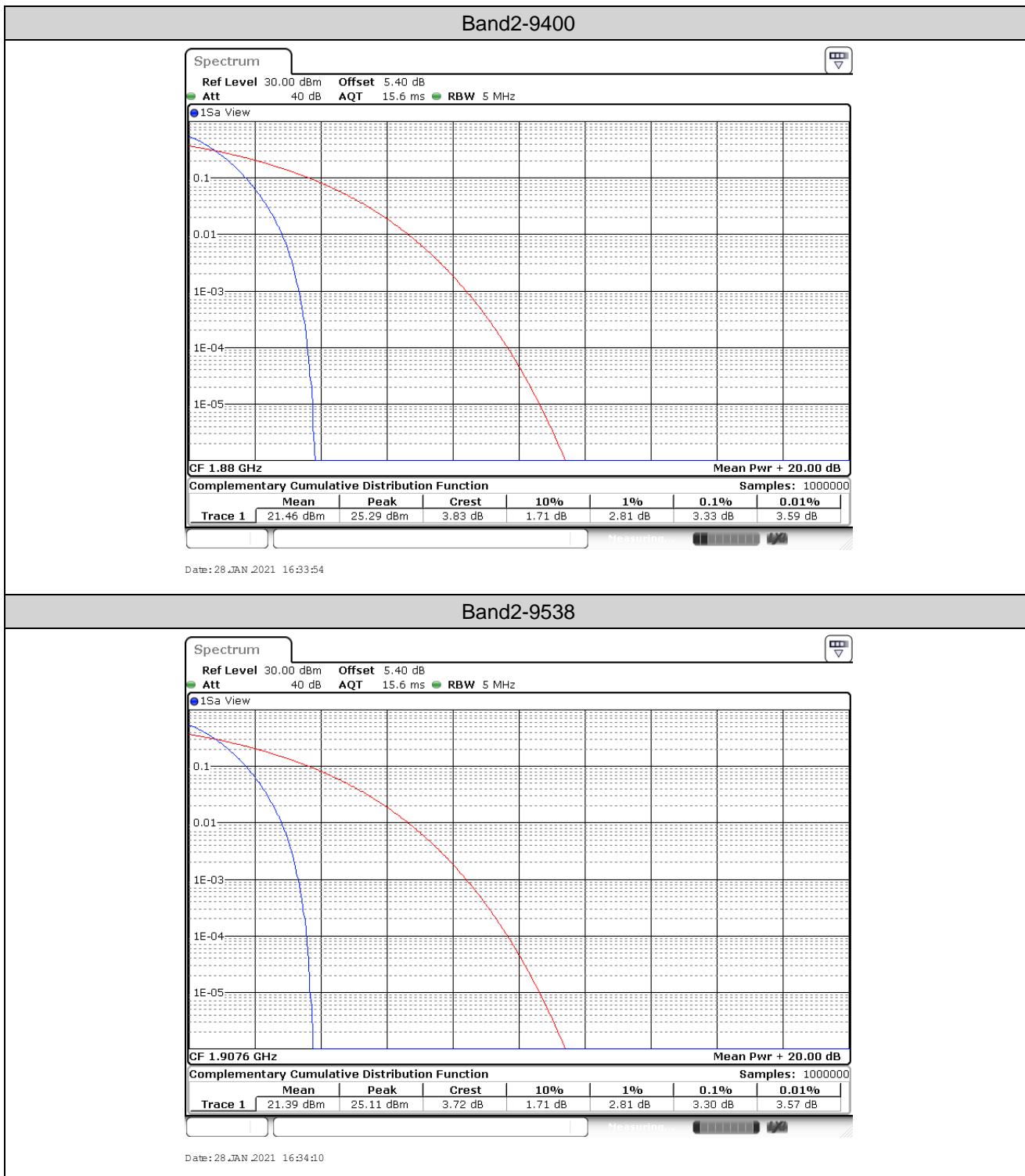
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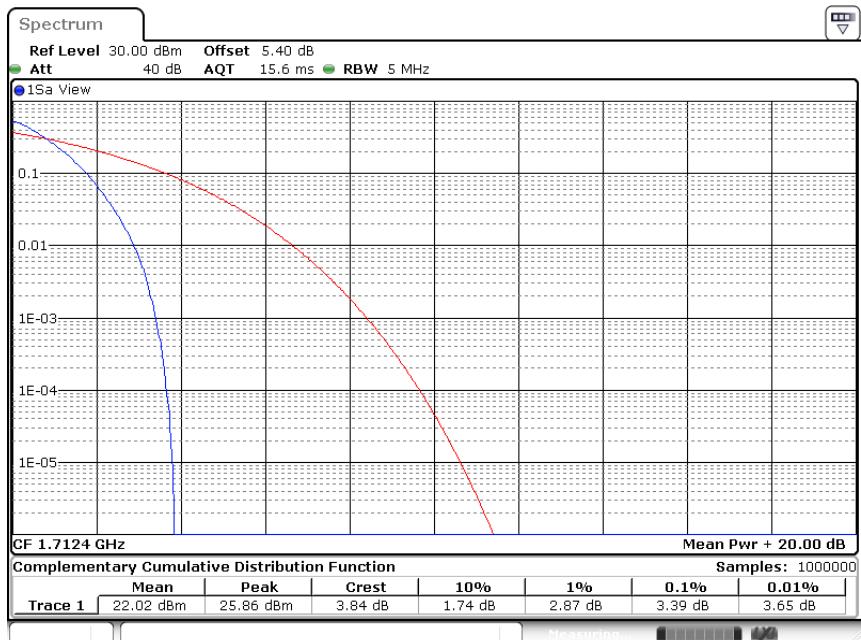
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Band4-1312



Band4-1413



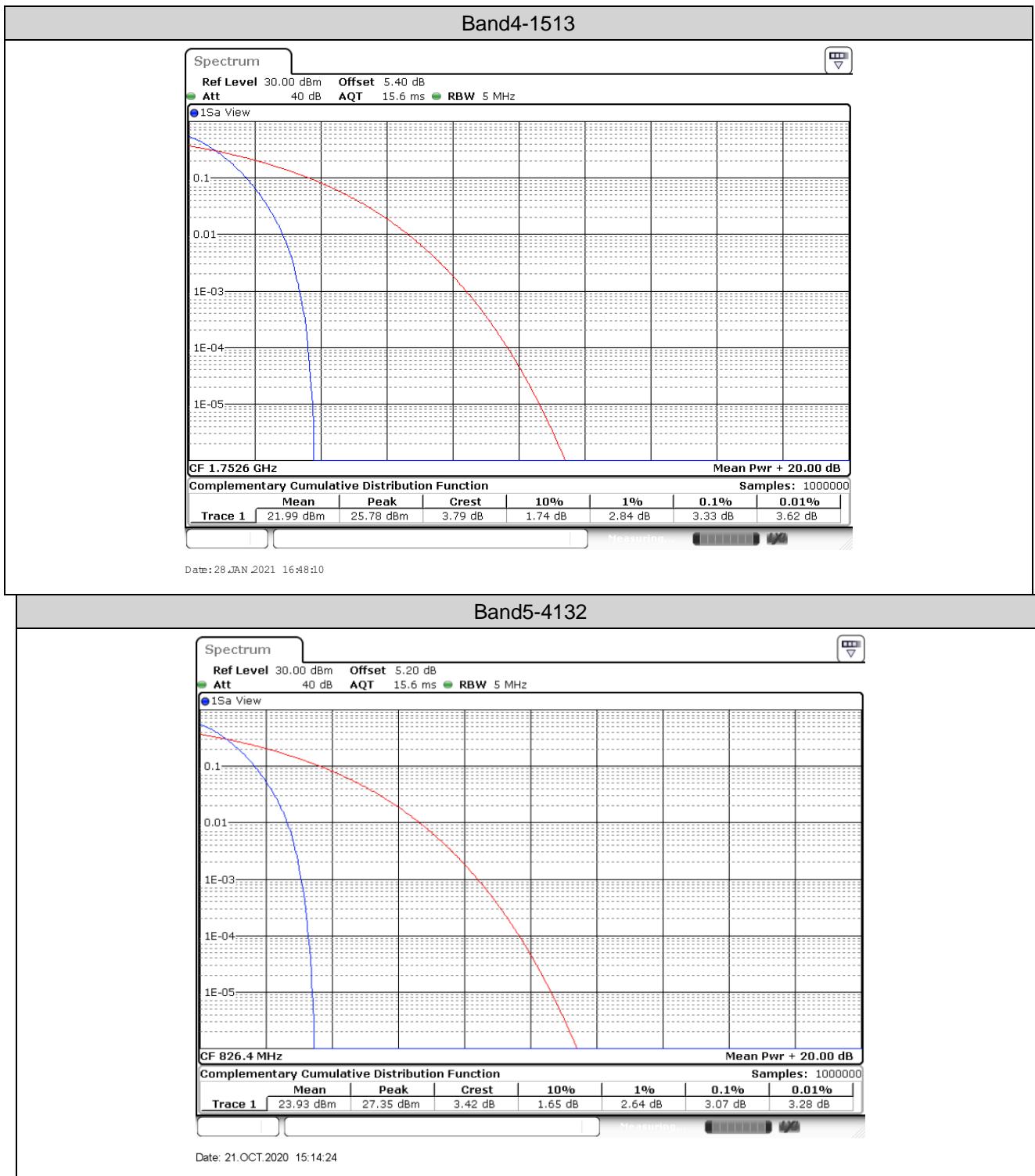
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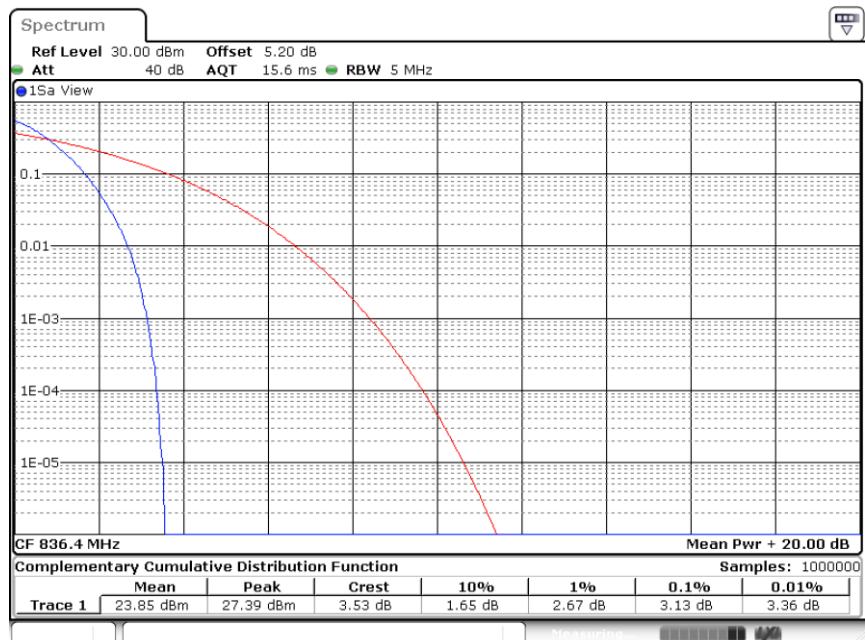
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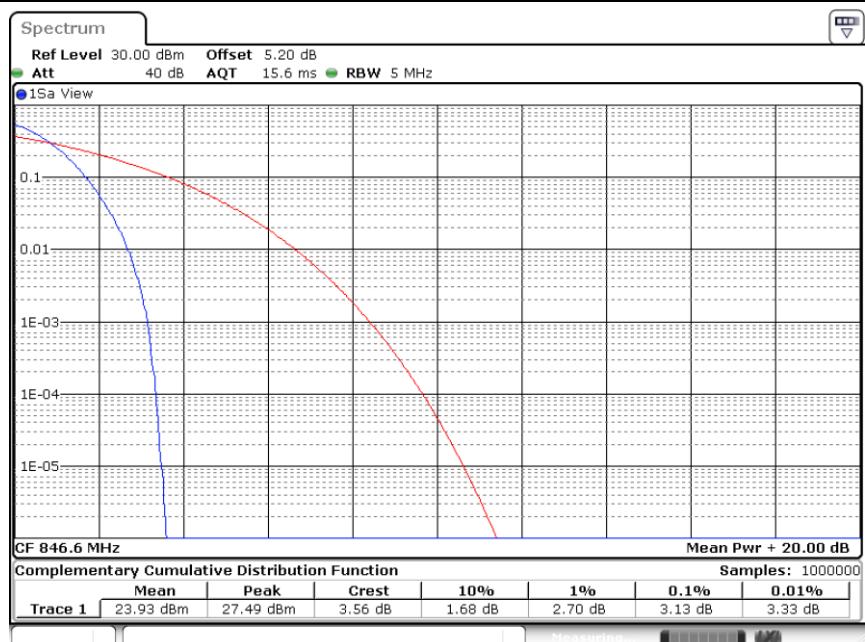
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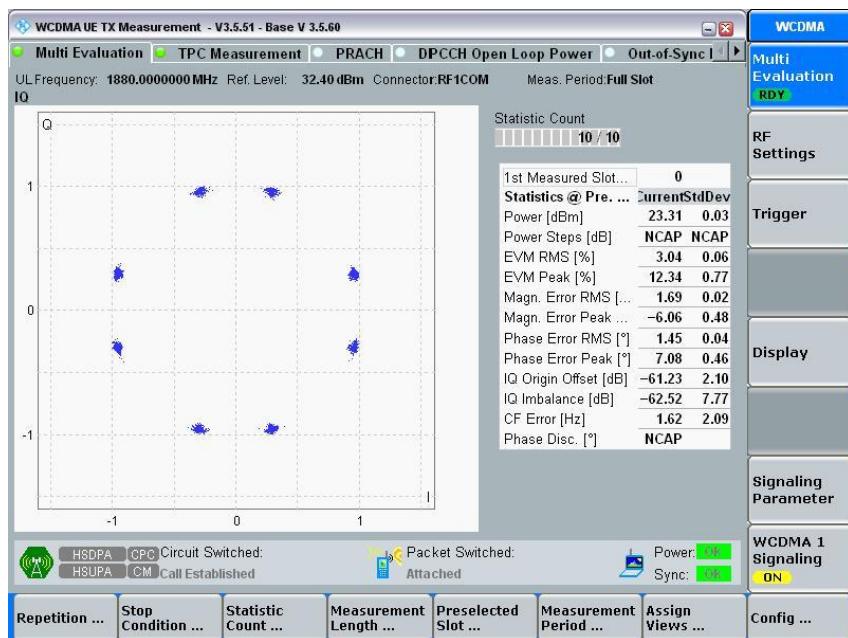
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3. Modulation Characteristics

3.1. Test Band = WCDMA Band II

3.1.1. Test Mode = UMTS/TM1

3.1.1.1. Test Channel = MCH



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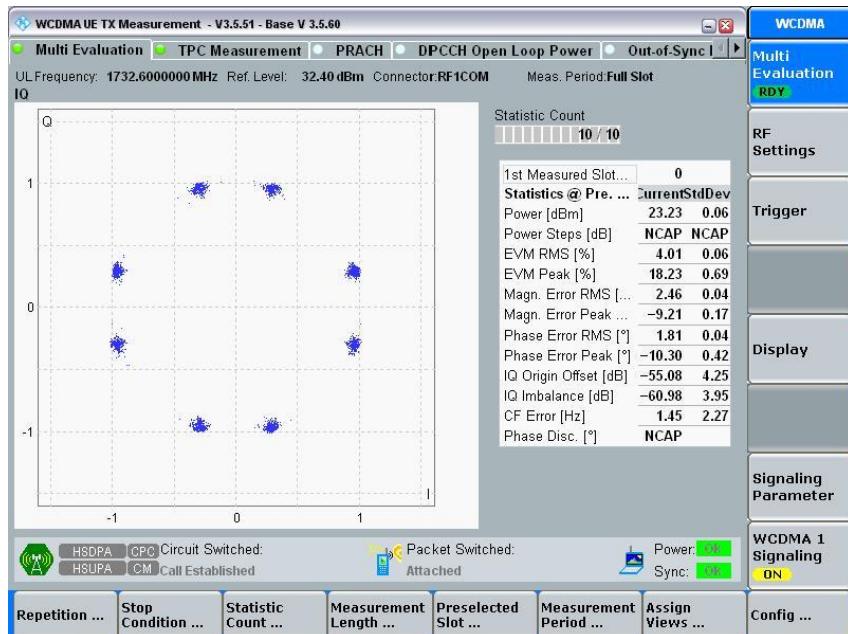
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3.2. Test Band = WCDMA Band IV

3.2.1. Test Mode = UMTS/TM1

3.2.1.1. Test Channel = MCH



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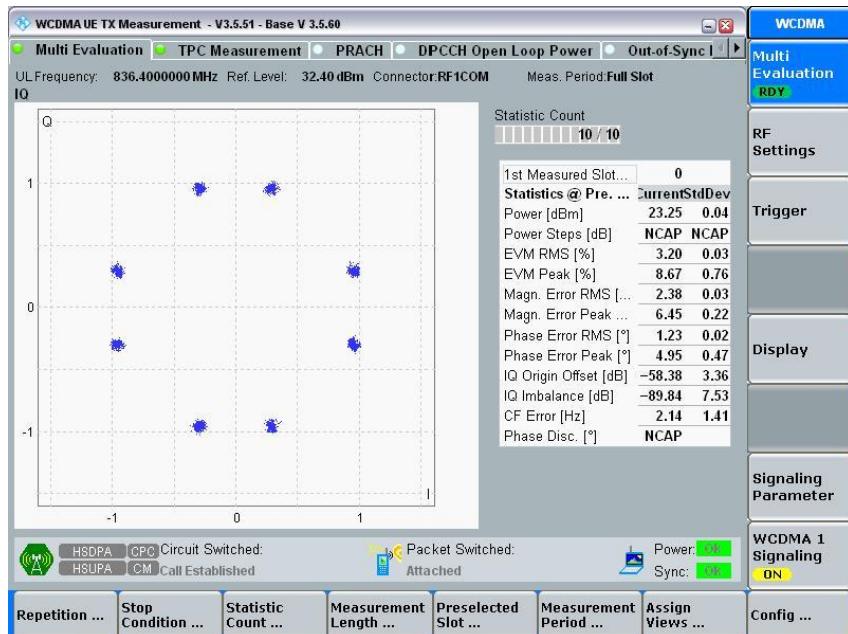
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3.3. Test Band = WCDMA Band V

3.3.1. Test Mode = UMTS/TM1

3.3.1.1. Test Channel = MCH



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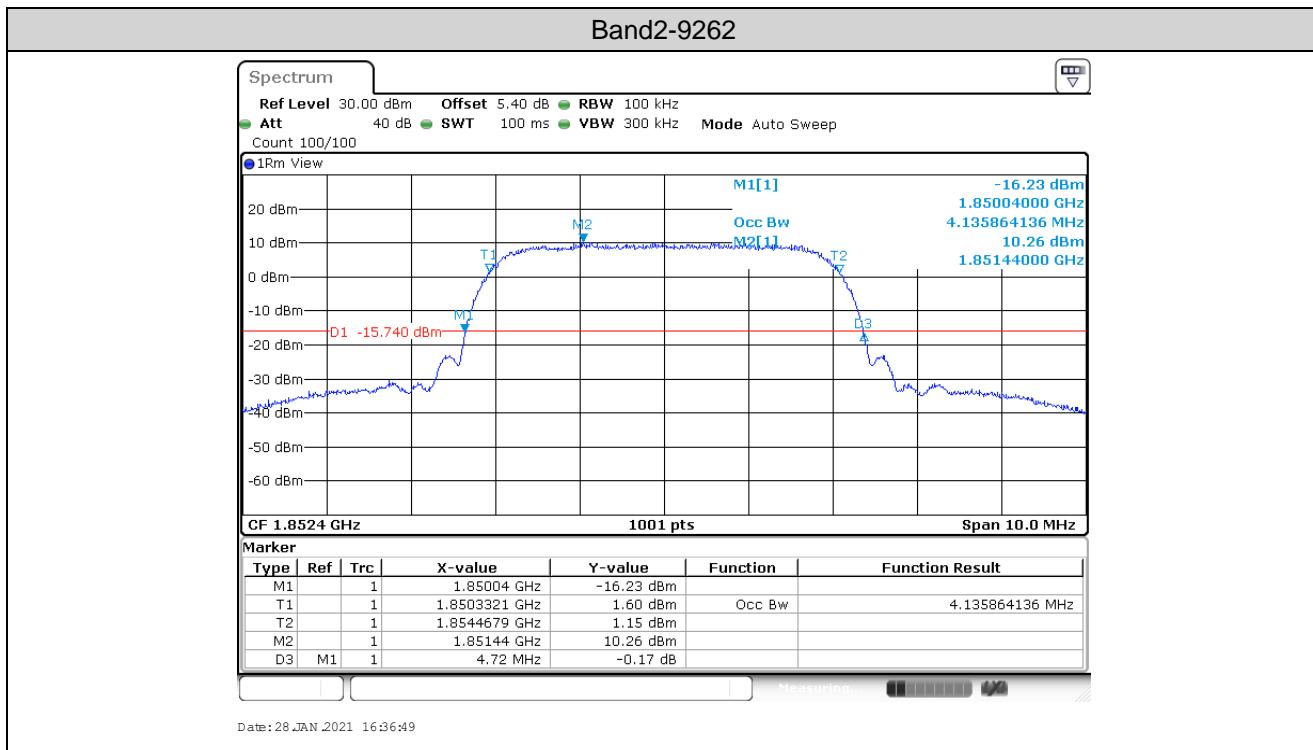
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4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

| Band | Channel | Occupied Bandwidth (MHz) | 26dB Bandwidth (MHz) | Limit(MHz) | Verdict |
|-------|---------|--------------------------|----------------------|------------|---------|
| Band2 | 9262 | 4.136 | 4.720 | --- | PASS |
| Band2 | 9400 | 4.116 | 4.710 | --- | PASS |
| Band2 | 9538 | 4.126 | 4.710 | --- | PASS |
| Band4 | 1312 | 4.126 | 4.700 | --- | PASS |
| Band4 | 1413 | 4.126 | 4.720 | --- | PASS |
| Band4 | 1513 | 4.126 | 4.720 | --- | PASS |
| Band5 | 4132 | 4.126 | 4.740 | --- | PASS |
| Band5 | 4182 | 4.126 | 4.730 | --- | PASS |
| Band5 | 4233 | 4.136 | 4.740 | --- | PASS |

4.2. Test Plots



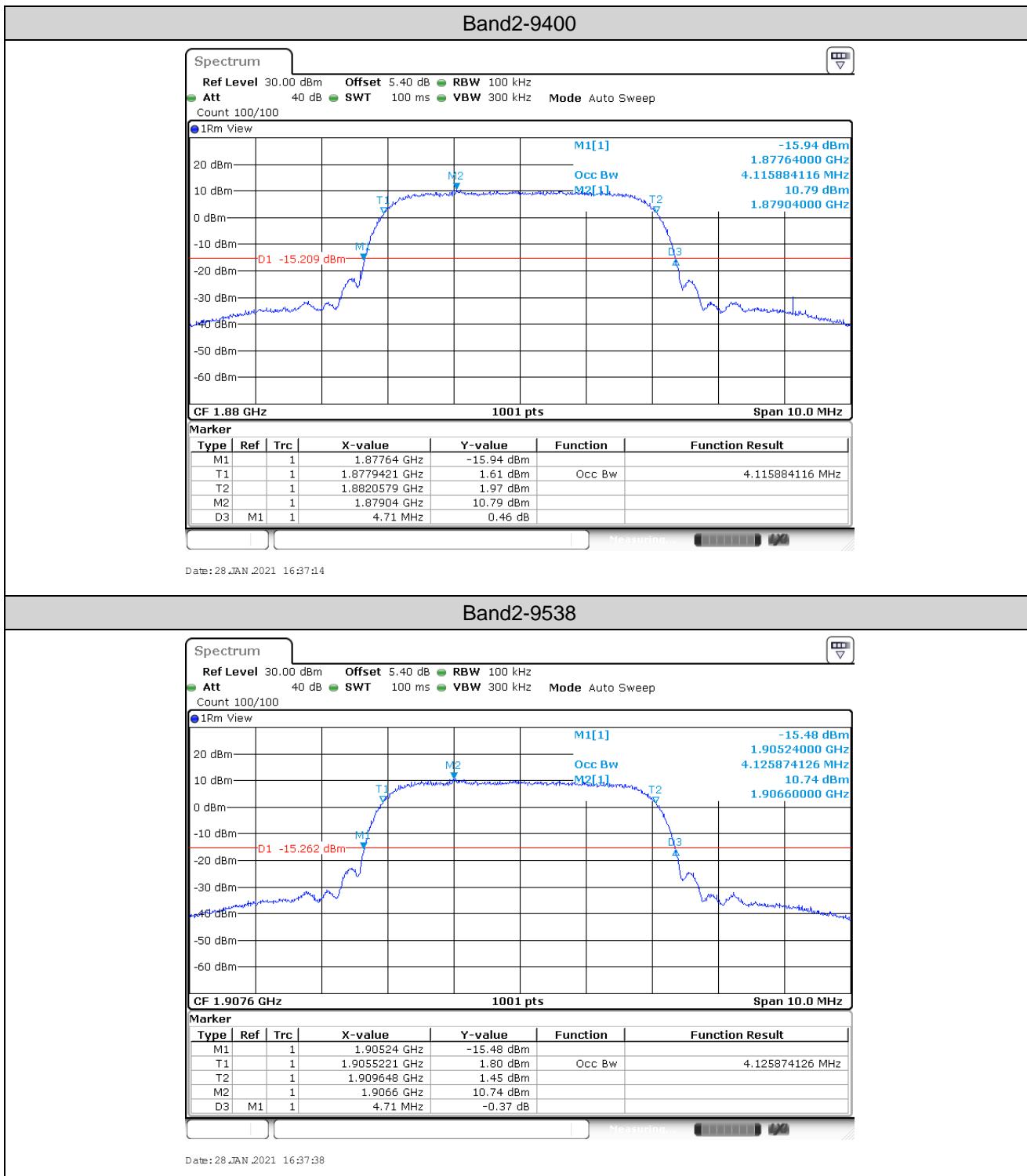
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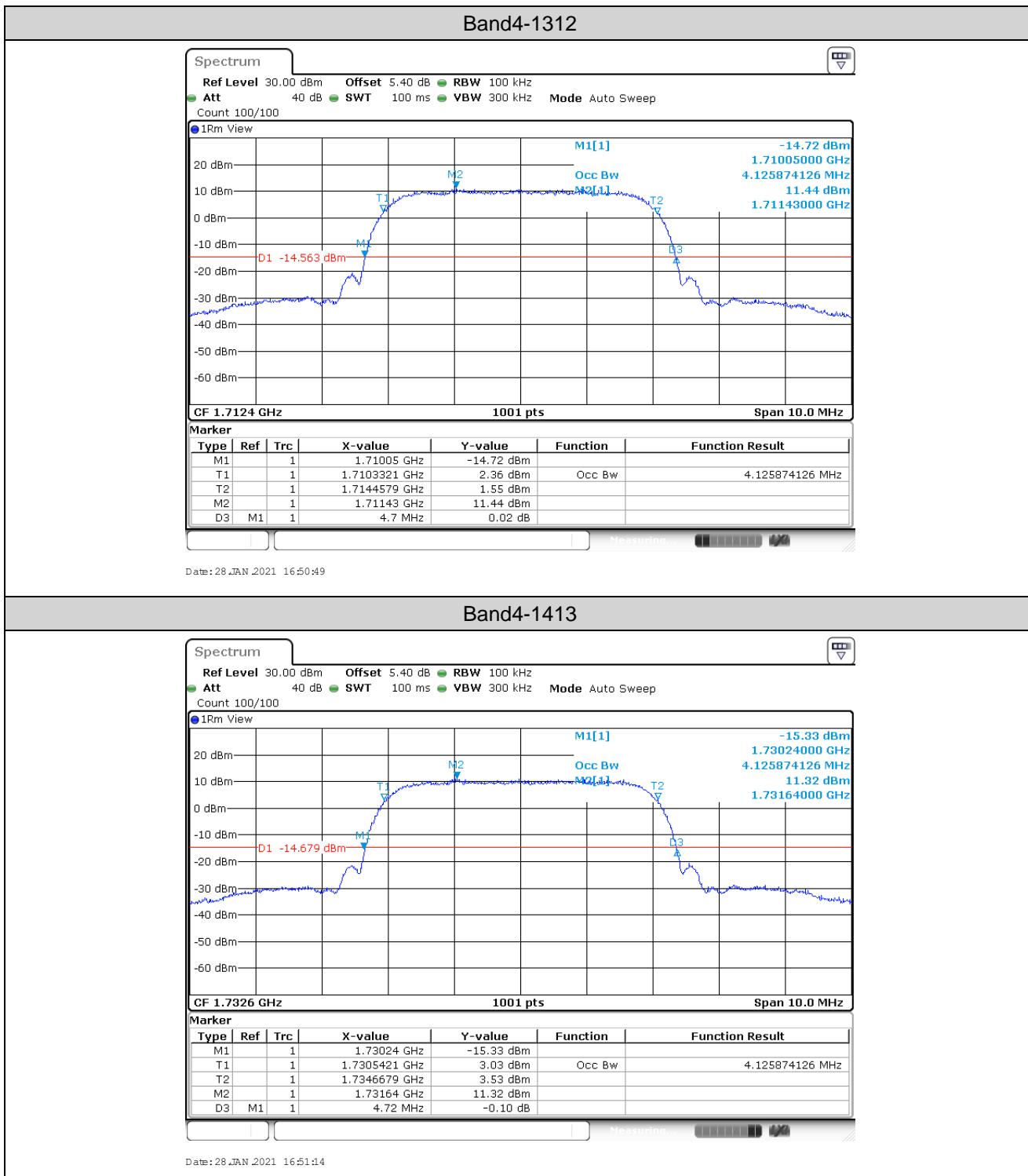
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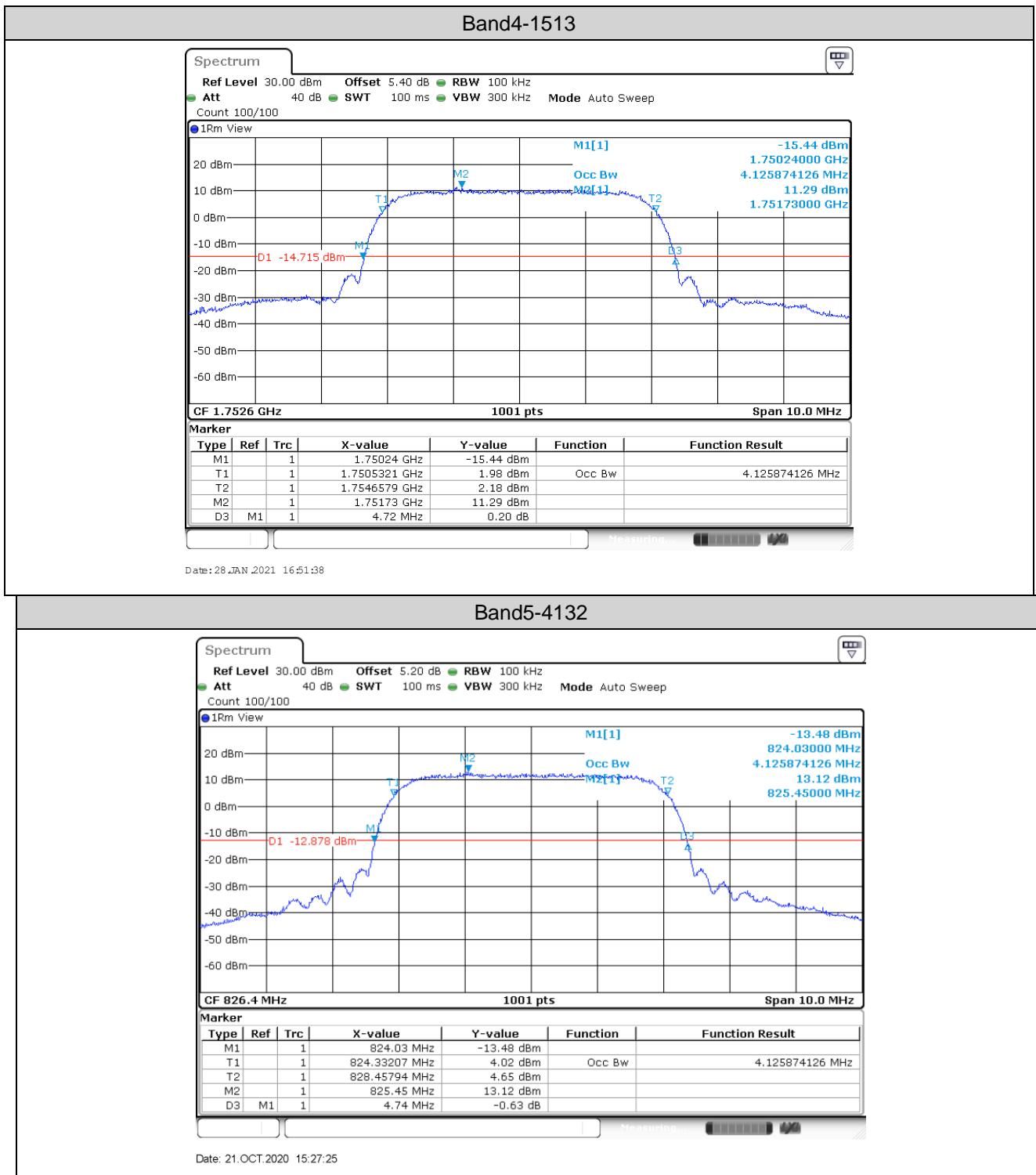
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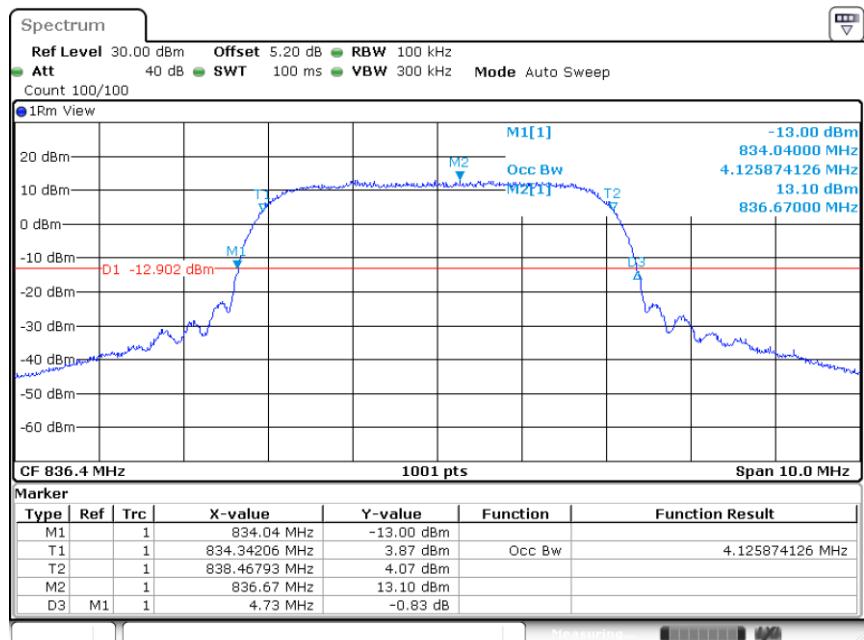
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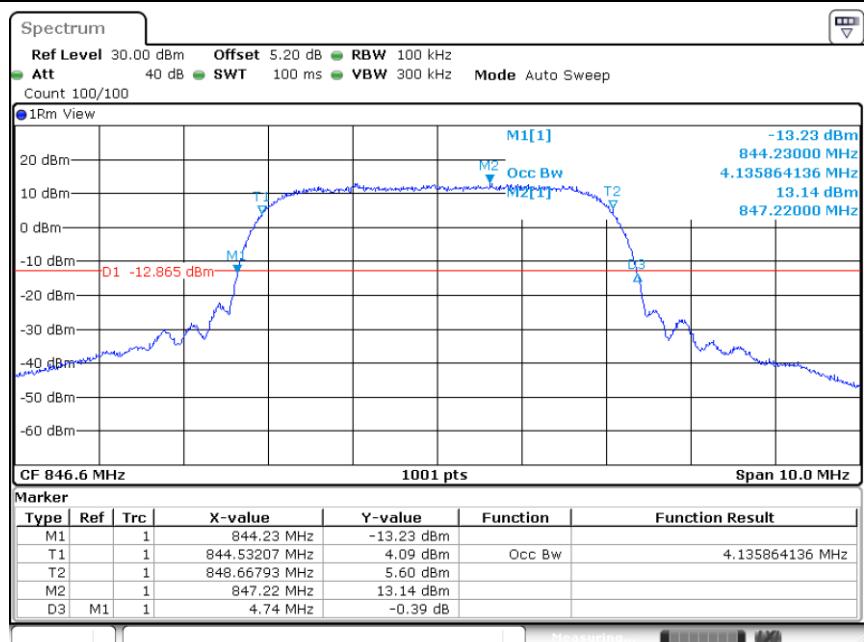
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Band5-4182



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Band5-4233



Date: 21.OCT.2020 15:28:08

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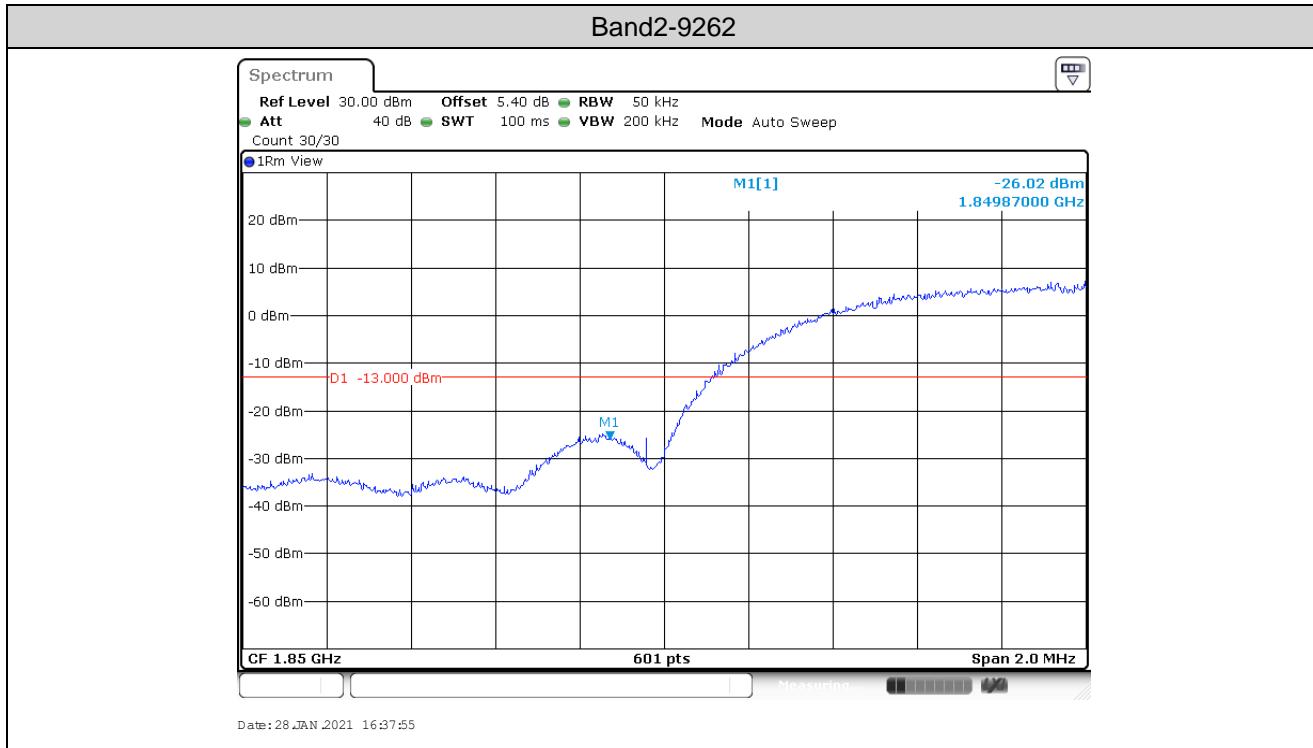
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5. Band Edge Compliance

5.1. Test Plots



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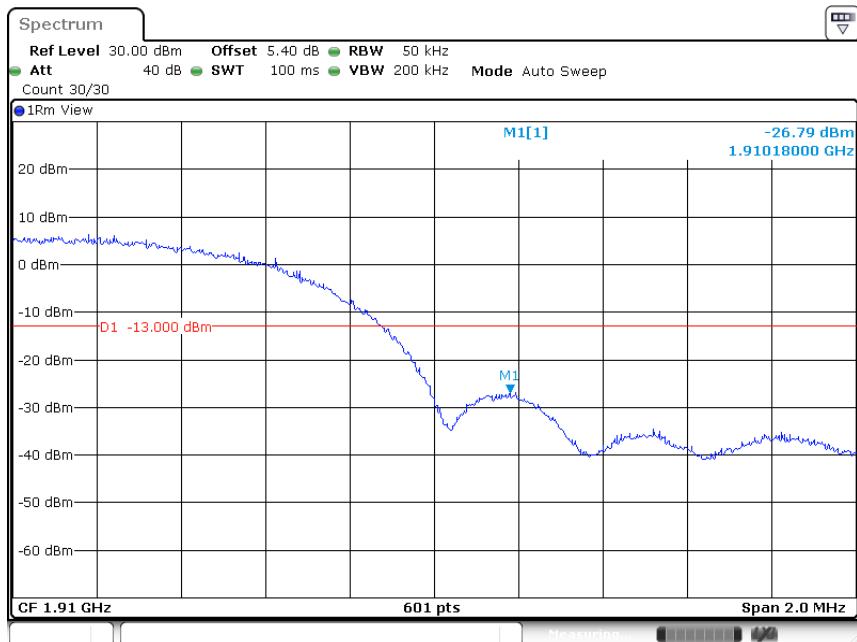
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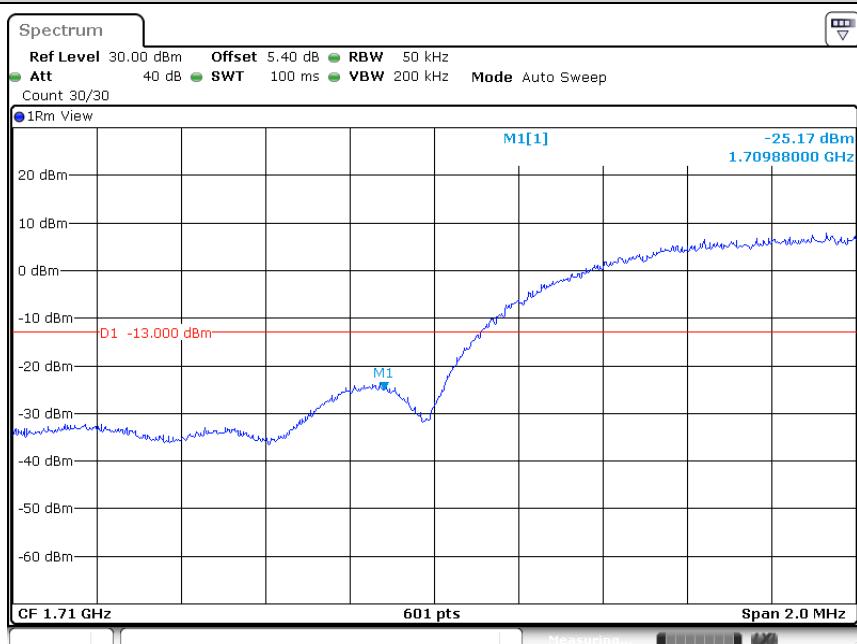
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Band2-9538



Date: 28 JAN 2021 16:38:12

Band4-1312



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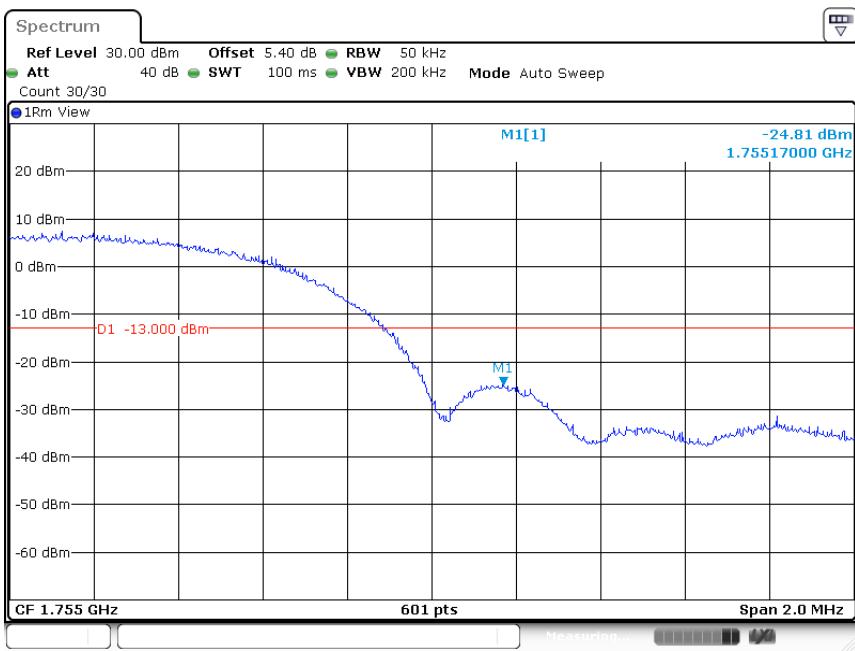
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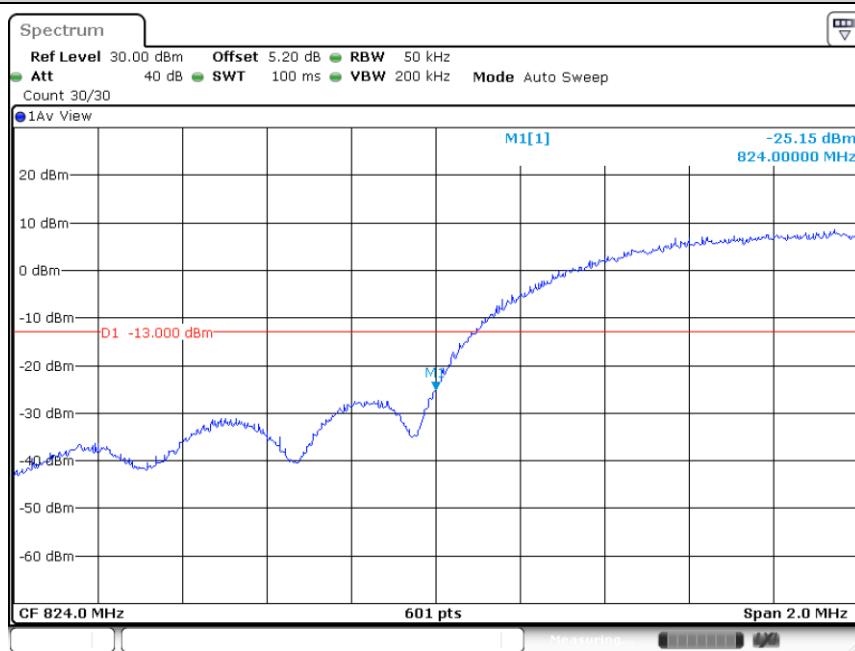
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Band4-1513



Band5-4132

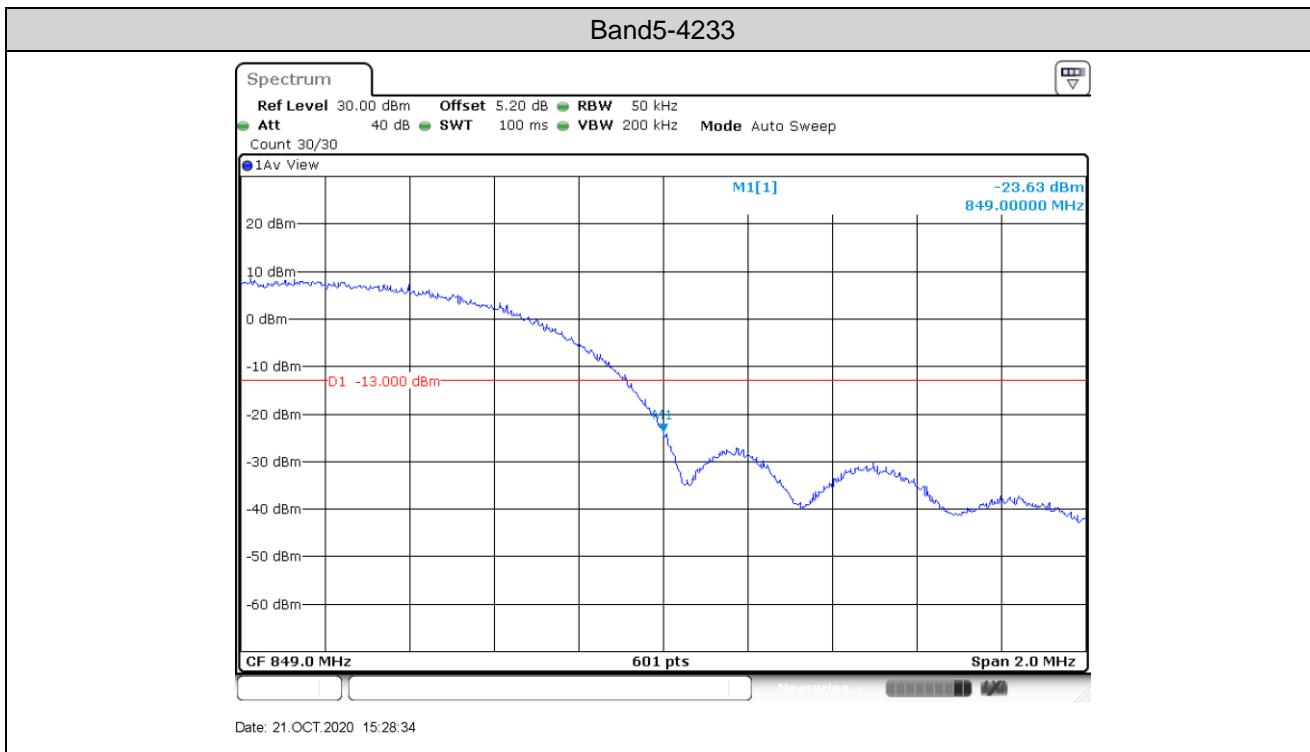


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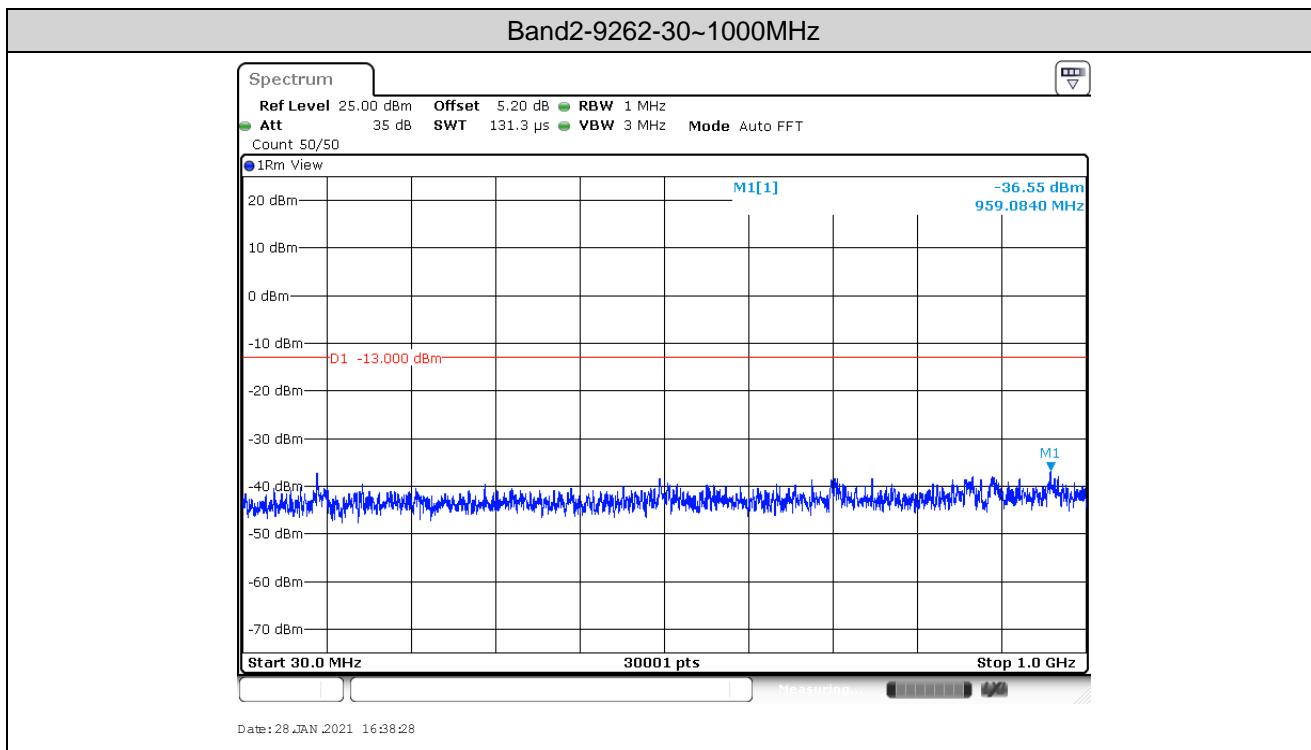
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6. Spurious Emission at Antenna Terminal

Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< \text{RBW}/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = k * (Span / RBW)" with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Remark2: only the worst case data displayed in this report.

6.1. Test Plots



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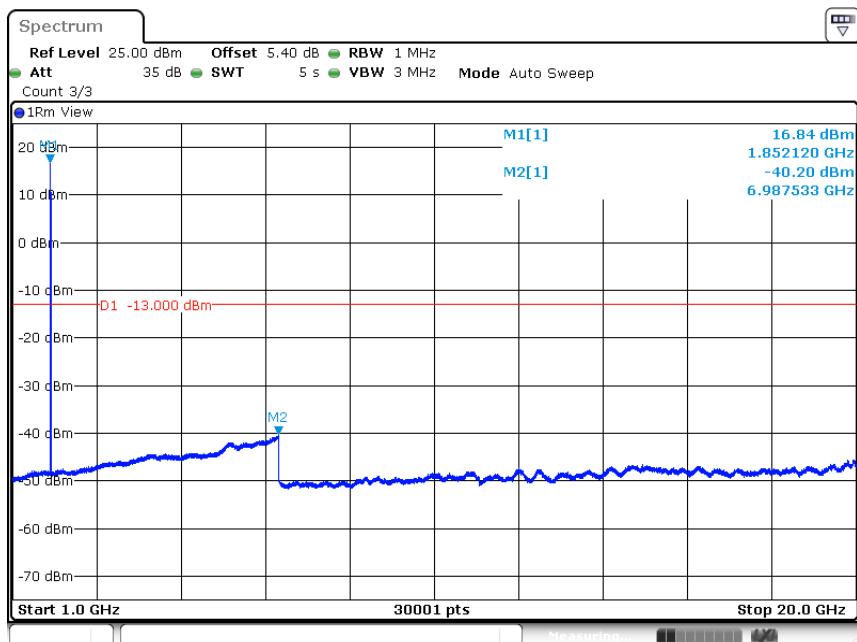
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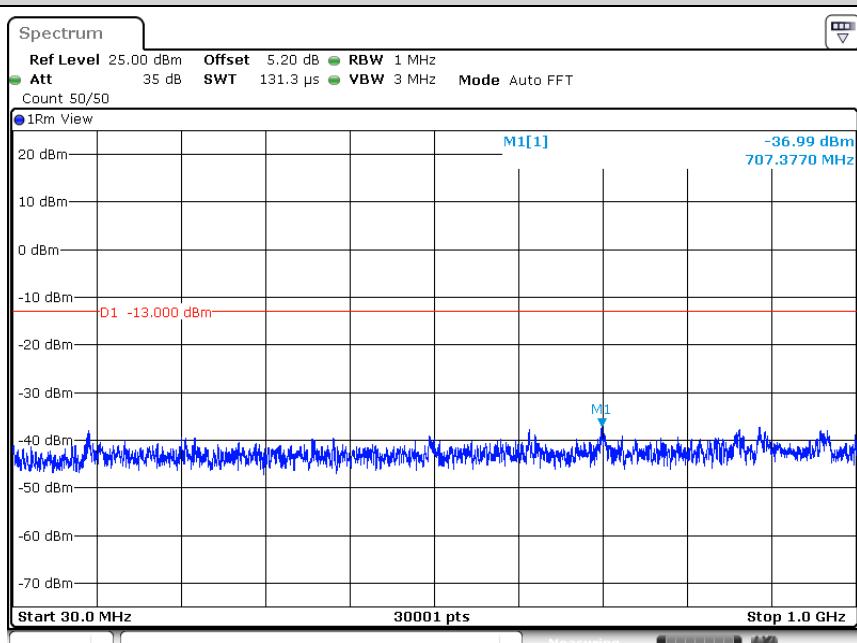
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Band2-9262-1000~20000MHz



Date: 28 JAN 2021 16:38:54

Band2-9400-30~1000MHz



Date: 28 JAN 2021 16:39:10

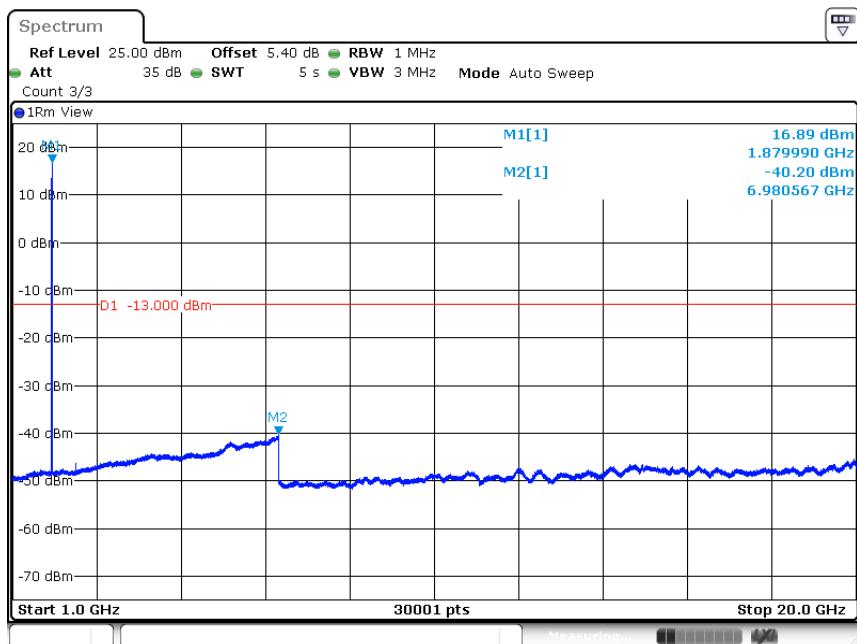
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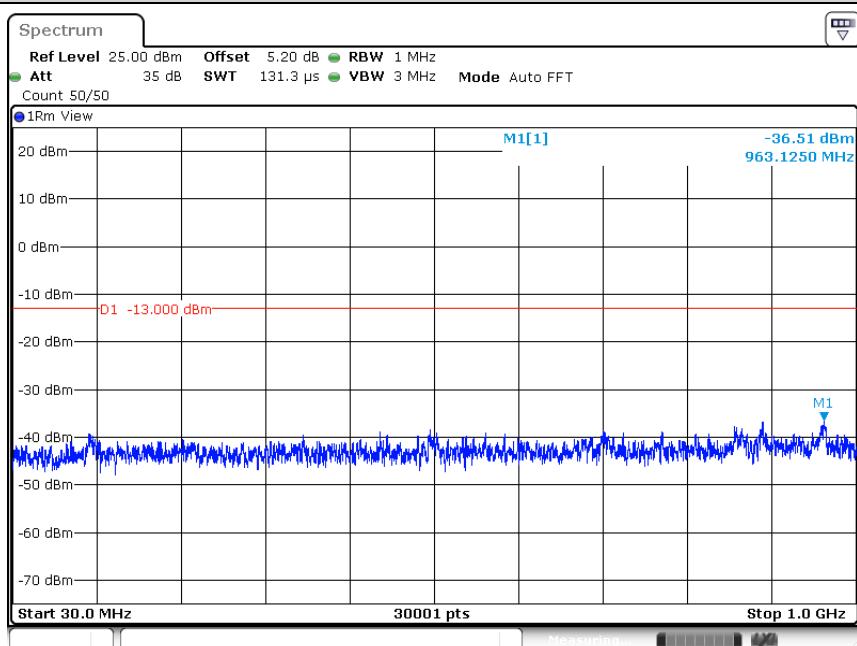
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Band2-9400-1000~20000MHz



Date: 28 JAN 2021 16:39:36

Band2-9538-30~1000MHz



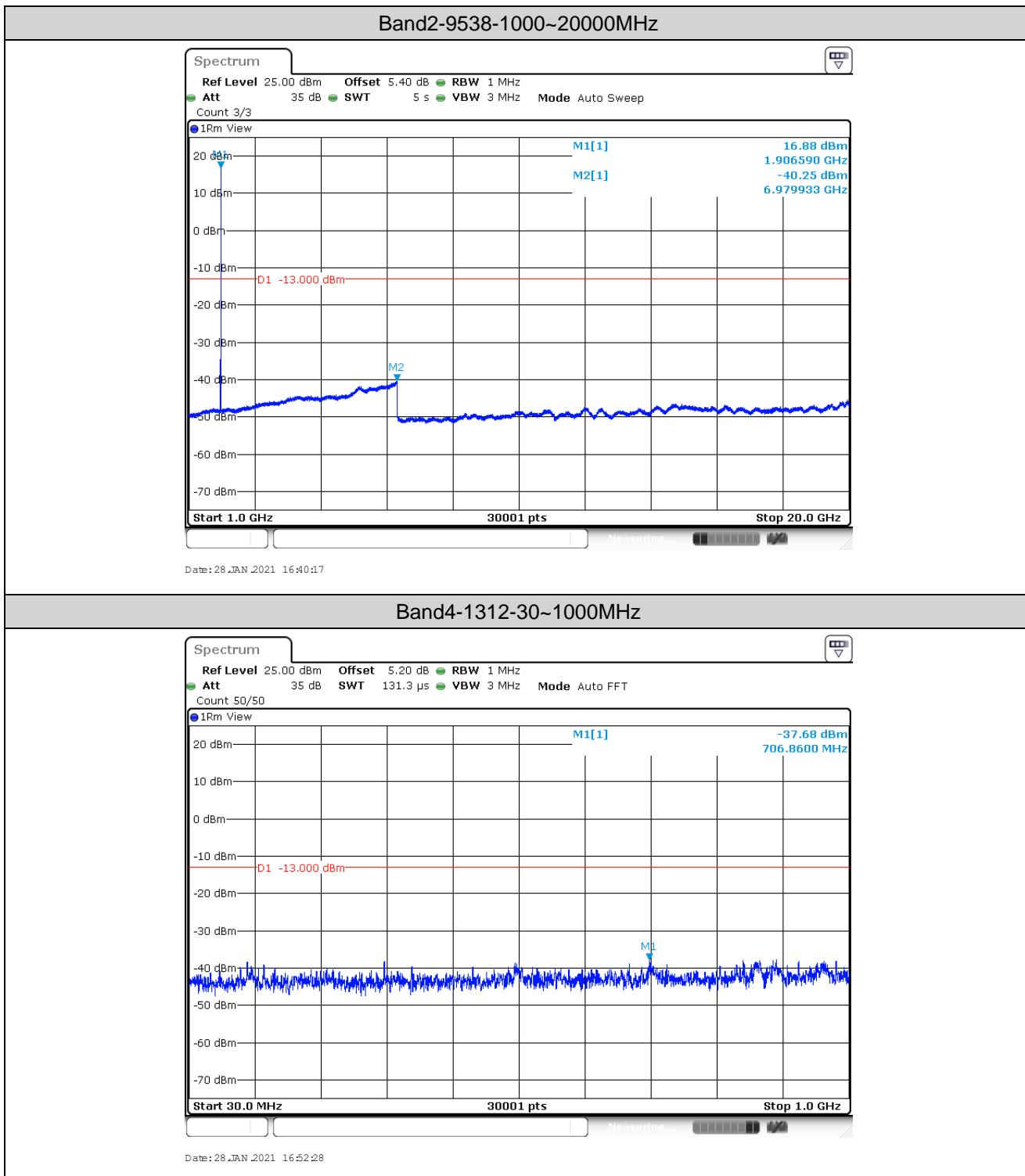
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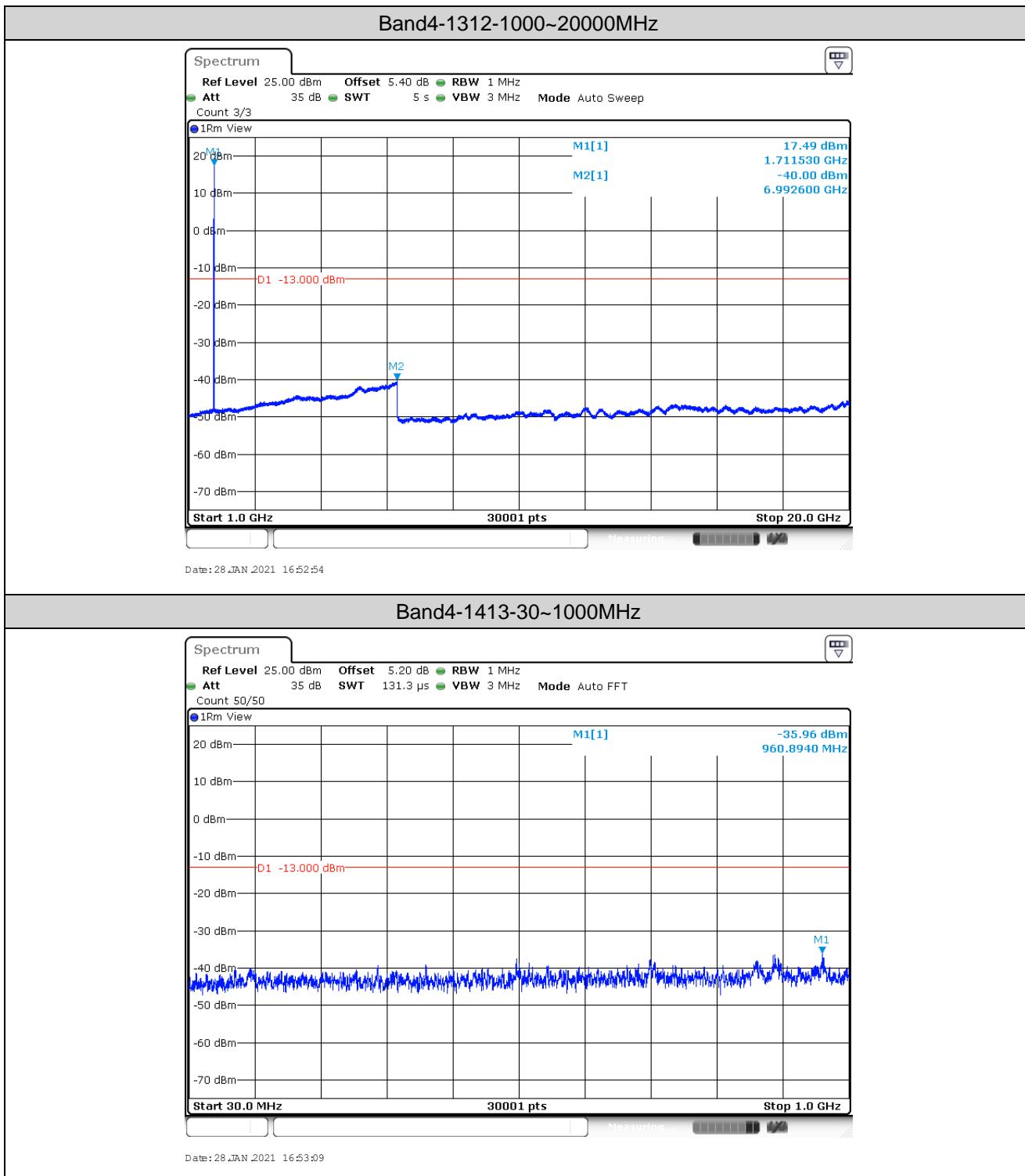
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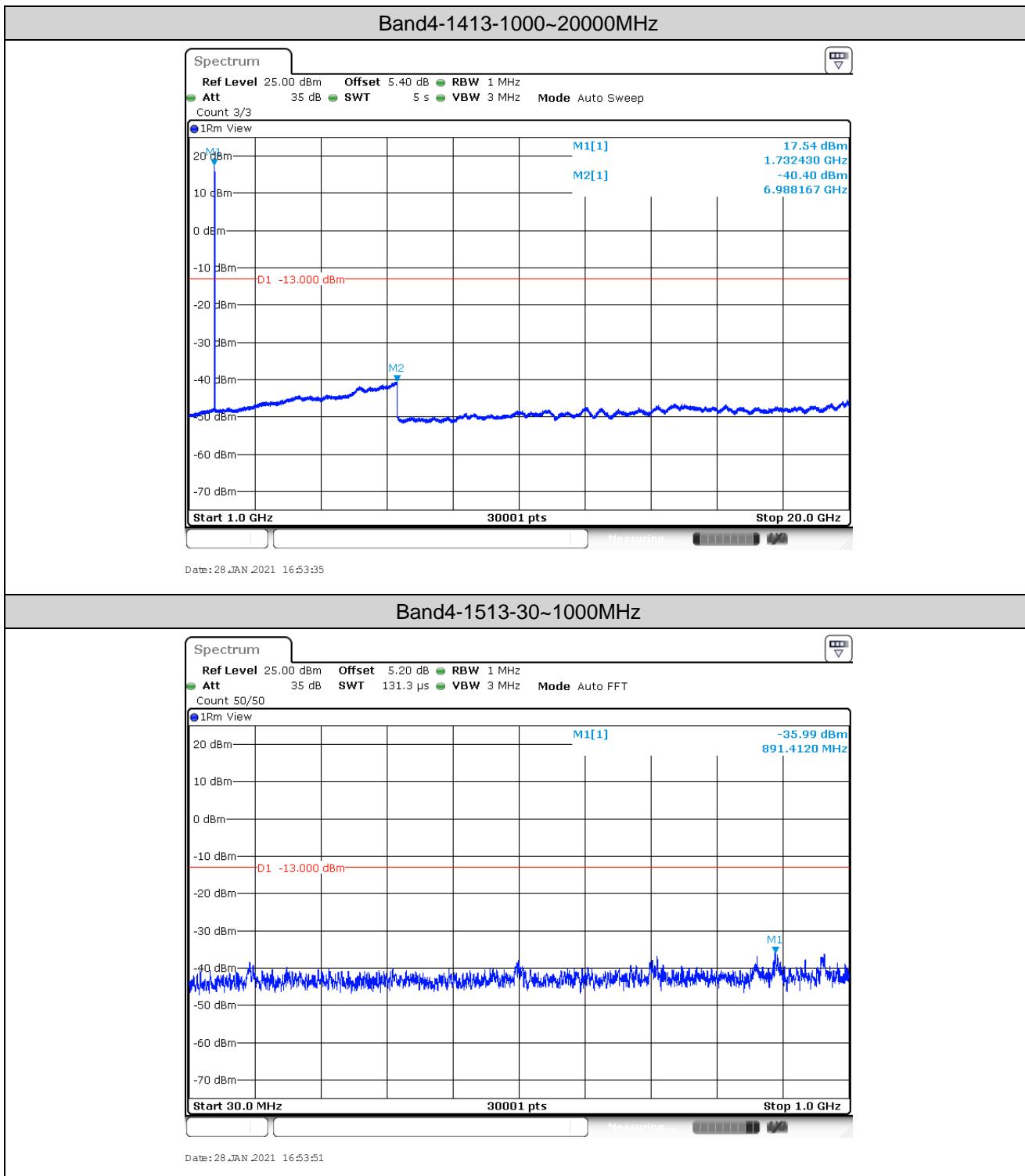
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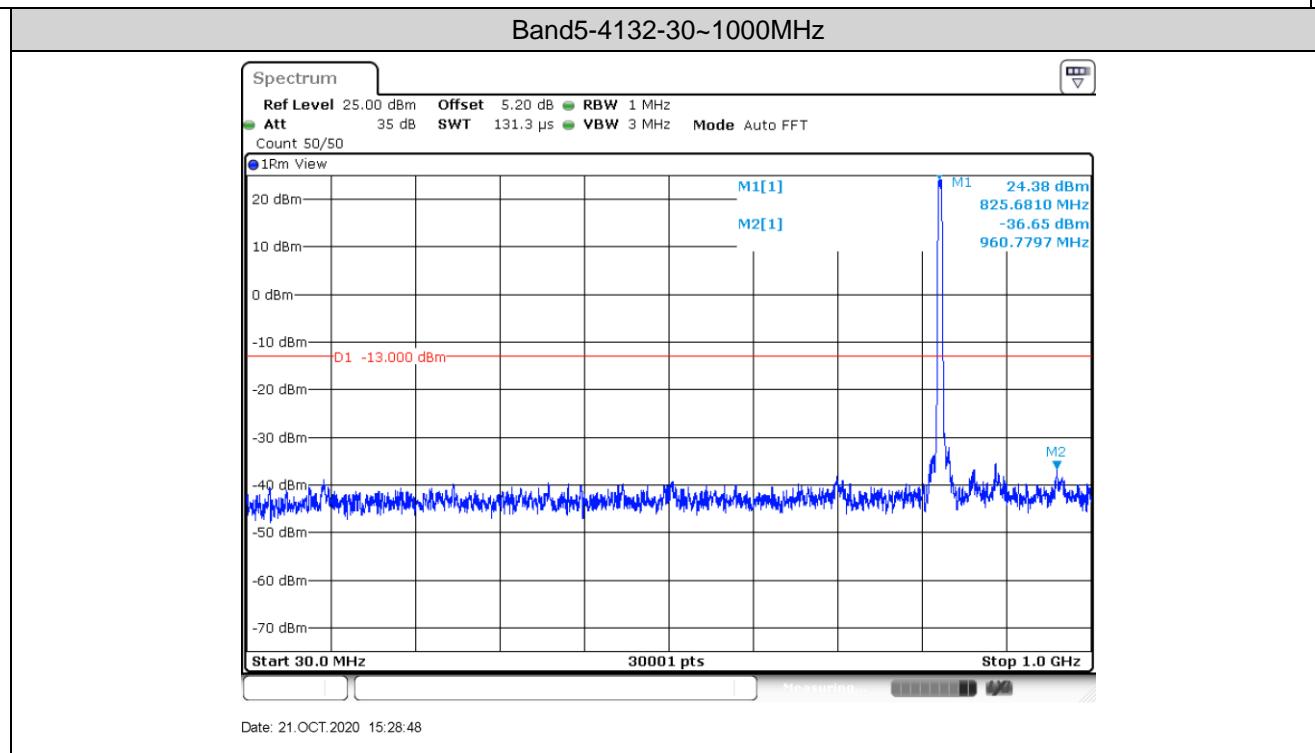
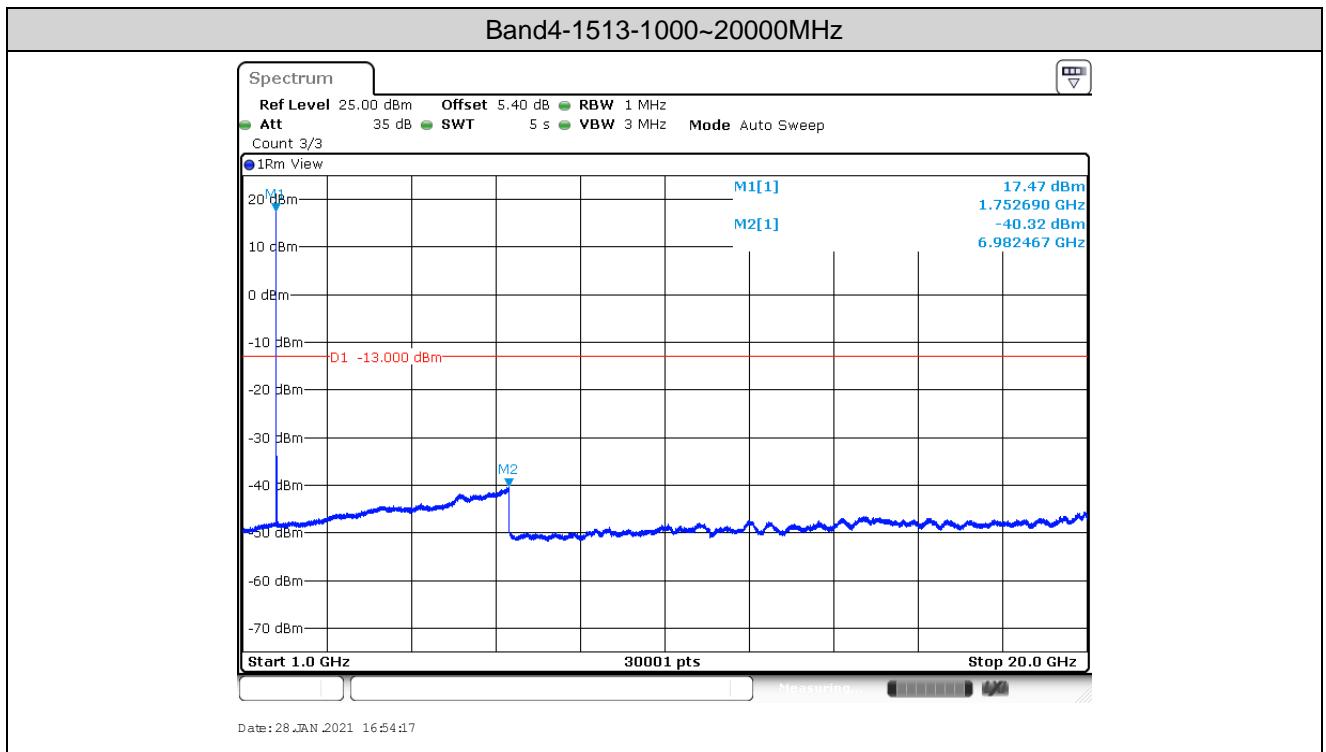
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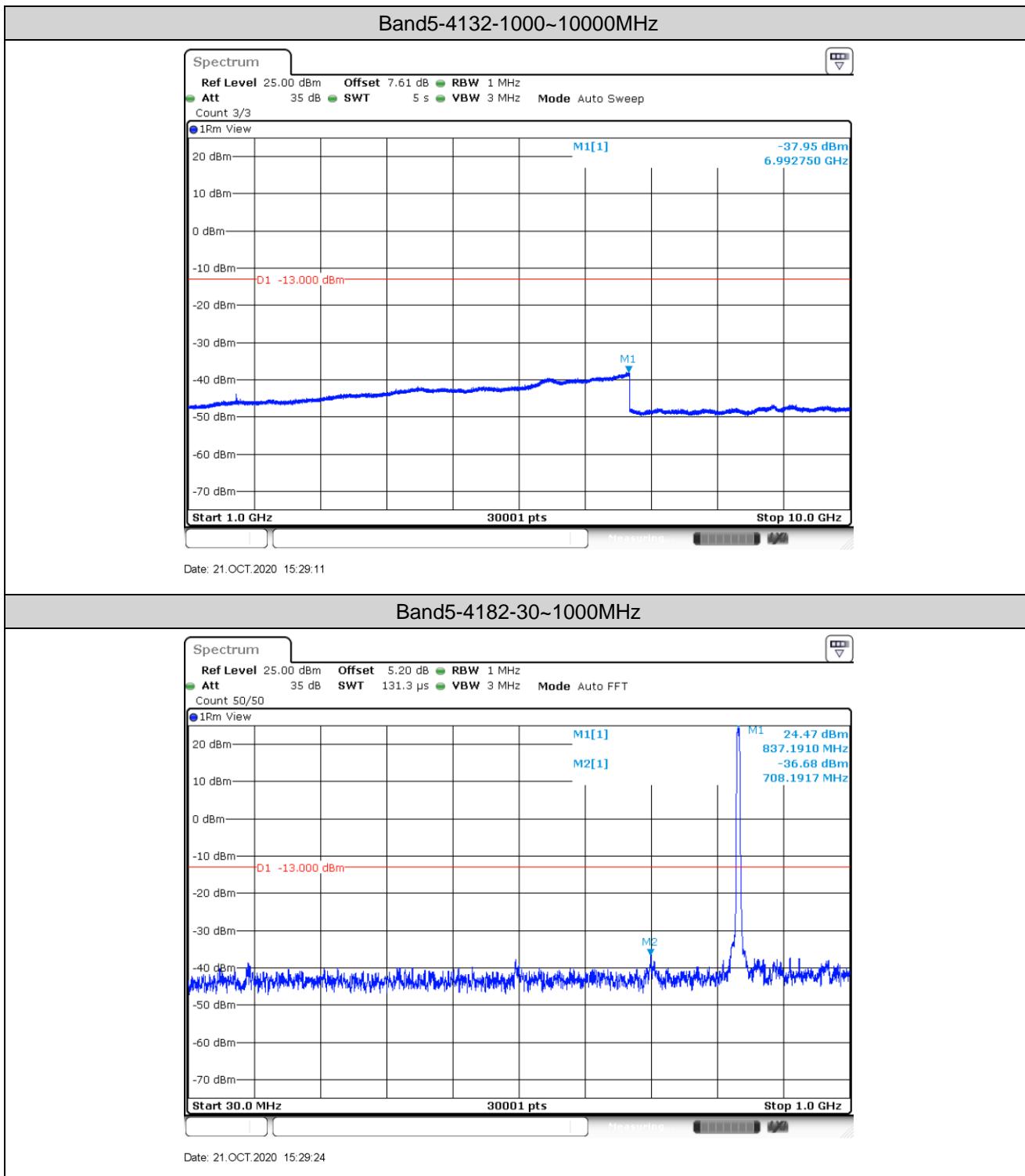
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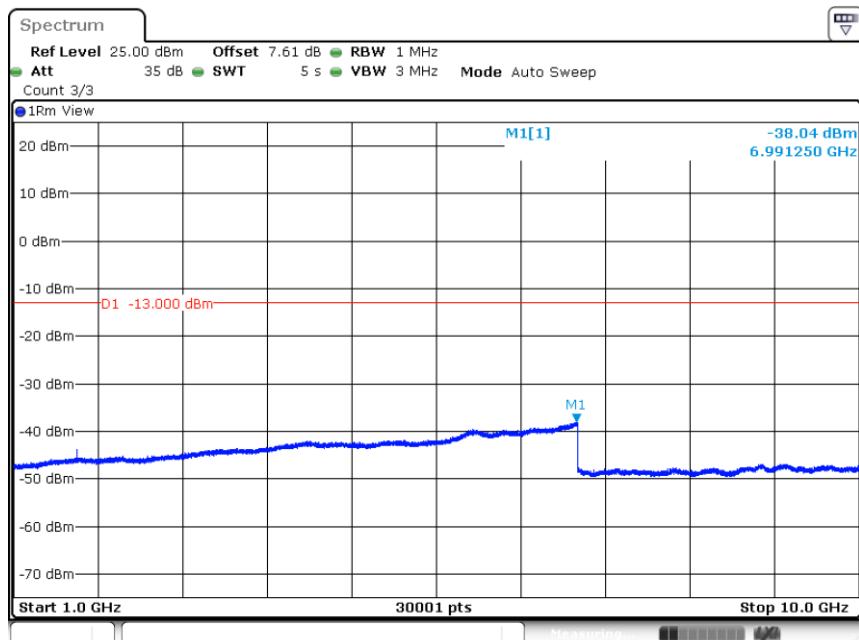
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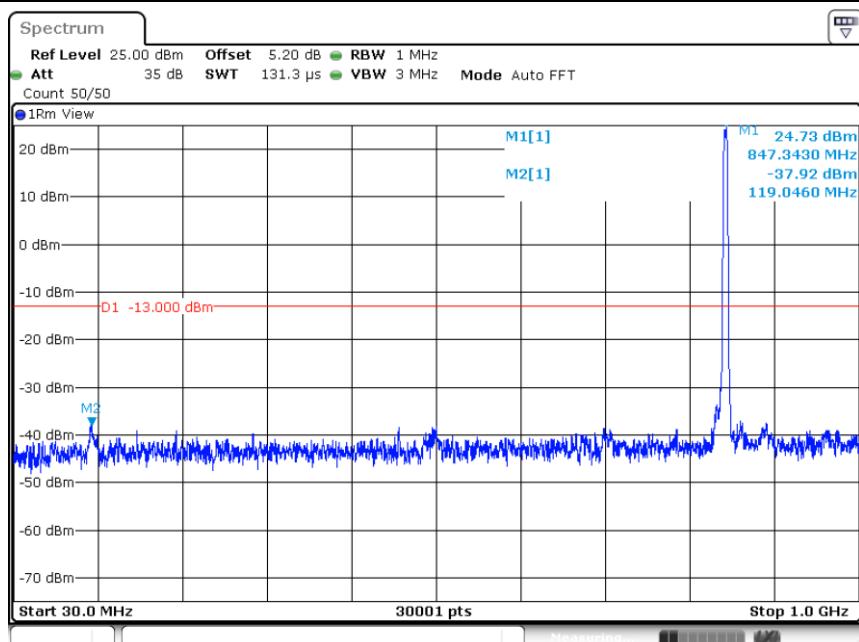
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Band5-4182-1000~10000MHz



Date: 21.OCT.2020 15:29:46

Band5-4233-30~1000MHz



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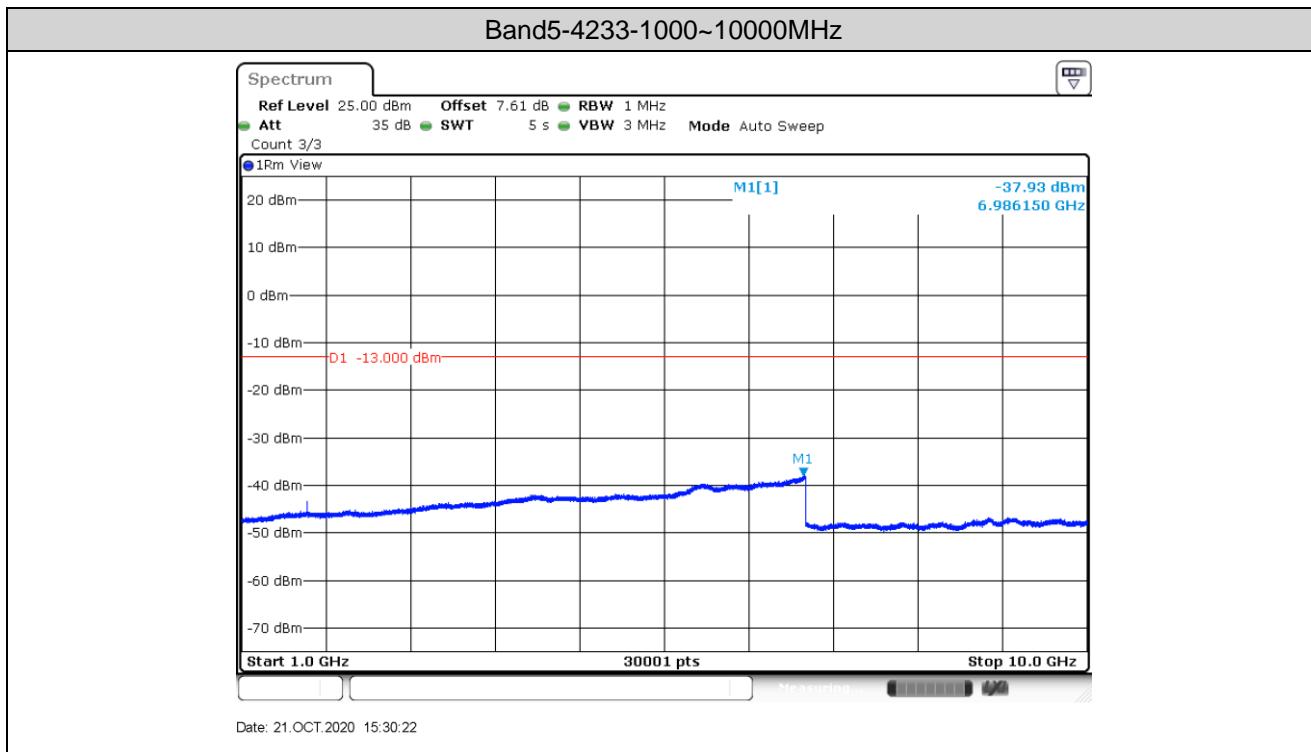
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7. Field Strength of Spurious Radiation

7.1. Test Band = WCDMA_II_TM1

7.1.1. Test Channel = Low Channel

| Frequency (MHz) | MaxPeak (dBm) | Limit (dBm) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|---------------|-------------|-------------|-------------|-----|---------------|------------|
| 62.200000 | -67.74 | -13.00 | 54.74 | 255 | H | 57.0 | -95.0 |
| 104.250000 | -80.16 | -13.00 | 67.16 | 217 | H | 77.0 | -109.6 |
| 612.387500 | -73.36 | -13.00 | 60.36 | 238 | H | 6.0 | -98.1 |
| 3813.150000 | -56.52 | -13.00 | 43.52 | 199 | H | 0.0 | -104.0 |
| 5553.525000 | -54.95 | -13.00 | 41.95 | 213 | H | 118.0 | -101.2 |
| 9267.950000 | -51.00 | -13.00 | 38.00 | 255 | H | 0.0 | -96.6 |

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7.2. Test Band = WCDMA_II_TM1**7.2.1. Test Channel = Low Channel**

| Frequency (MHz) | MaxPeak (dBm) | Limit (dBm) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|---------------|-------------|-------------|-------------|-----|---------------|------------|
| 55.550000 | -72.32 | -13.00 | 59.32 | 210 | V | 21.0 | -101.8 |
| 104.350000 | -79.06 | -13.00 | 66.06 | 250 | V | 105.0 | -106.7 |
| 791.229167 | -70.13 | -13.00 | 57.13 | 213 | V | 128.0 | -94.3 |
| 3675.350000 | -57.56 | -13.00 | 44.56 | 256 | V | 118.0 | -104.5 |
| 5490.800000 | -55.08 | -13.00 | 42.08 | 275 | V | 0.0 | -101.1 |
| 9252.350000 | -51.92 | -13.00 | 38.92 | 210 | V | 178.0 | -96.7 |

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7.3. Test Band = WCDMA_II_TM1**7.3.1. Test Channel = Mid Channel**

| Frequency (MHz) | MaxPeak (dBm) | Limit (dBm) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|---------------|-------------|-------------|-------------|-----|---------------|------------|
| 63.350000 | -68.01 | -13.00 | 55.01 | 256 | H | 0.0 | -96.0 |
| 104.250000 | -79.81 | -13.00 | 66.81 | 187 | H | 93.0 | -109.6 |
| 252.450000 | -77.87 | -13.00 | 64.87 | 227 | H | 177.0 | -103.4 |
| 3725.725000 | -57.95 | -13.00 | 44.95 | 238 | H | 141.0 | -104.4 |
| 5703.350000 | -54.92 | -13.00 | 41.92 | 255 | H | 93.0 | -101.2 |
| 9518.200000 | -52.17 | -13.00 | 39.17 | 256 | H | 2.0 | -96.8 |

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7.4. Test Band = WCDMA_II_TM1**7.4.1. Test Channel = Mid Channel**

| Frequency (MHz) | MaxPeak (dBm) | Limit (dBm) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|---------------|-------------|-------------|-------------|-----|---------------|------------|
| 64.900000 | -71.25 | -13.00 | 58.25 | 155 | V | 31.0 | -99.8 |
| 125.000000 | -79.15 | -13.00 | 66.15 | 239 | V | 2.0 | -103.8 |
| 535.341667 | -71.55 | -13.00 | 58.55 | 206 | V | 118.0 | -101.1 |
| 3757.575000 | -56.99 | -13.00 | 43.99 | 176 | V | 0.0 | -104.2 |
| 5638.025000 | -53.90 | -13.00 | 40.90 | 176 | V | 15.0 | -101.1 |
| 11250.450000 | -52.79 | -13.00 | 39.79 | 155 | V | 26.0 | -96.2 |

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7.5. Test Band = WCDMA_II_TM1

7.5.1. Test Channel = High Channel

| Frequency (MHz) | MaxPeak (dBm) | Limit (dBm) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|--------------------|------------------|----------------|----------------|----------------|-----|------------------|---------------|
| 64.900000 | -71.25 | -13.00 | 58.25 | 175 | V | 31.0 | -99.8 |
| 125.000000 | -79.15 | -13.00 | 66.15 | 238 | V | 2.0 | -103.8 |
| 535.341667 | -71.55 | -13.00 | 58.55 | 272 | V | 118.0 | -101.1 |
| 3757.575000 | -56.99 | -13.00 | 43.99 | 184 | V | 0.0 | -104.2 |
| 5638.025000 | -53.90 | -13.00 | 40.90 | 258 | V | 15.0 | -101.1 |
| 11250.450000 | -52.79 | -13.00 | 39.79 | 175 | V | 26.0 | -96.2 |

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7.6. Test Band = WCDMA_II_TM1**7.6.1. Test Channel = High Channel**

| Frequency (MHz) | MaxPeak (dBm) | Limit (dBm) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|--------------------|------------------|----------------|----------------|----------------|-----|------------------|---------------|
| 63.450000 | -72.42 | -13.00 | 59.42 | 202 | V | 21.0 | -100.1 |
| 104.300000 | -78.62 | -13.00 | 65.62 | 207 | V | 180.0 | -106.8 |
| 331.850000 | -76.35 | -13.00 | 63.35 | 225 | V | 114.0 | -101.9 |
| 3816.075000 | -57.65 | -13.00 | 44.65 | 172 | V | 56.0 | -103.9 |
| 5720.900000 | -54.62 | -13.00 | 41.62 | 254 | V | 153.0 | -101.0 |
| 7678.050000 | -53.17 | -13.00 | 40.17 | 202 | V | 92.0 | -98.3 |

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7.7. Test Band = WCDMA_IV_TM1**7.7.1. Test Channel = Low Channel**

| Frequency (MHz) | MaxPeak (dBm) | Limit (dBm) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|---------------|-------------|-------------|-------------|-----|---------------|------------|
| 55.250000 | -67.87 | -13.00 | 54.87 | 192 | H | 2.0 | -97.6 |
| 104.300000 | -79.10 | -13.00 | 66.10 | 253 | H | 132.0 | -109.6 |
| 284.650000 | -77.37 | -13.00 | 64.37 | 202 | H | 78.0 | -102.9 |
| 3482.300000 | -58.25 | -13.00 | 45.25 | 170 | H | 0.0 | -105.2 |
| 5113.150000 | -55.80 | -13.00 | 42.80 | 221 | H | 15.0 | -101.6 |
| 8648.825000 | -51.89 | -13.00 | 38.89 | 192 | H | 49.0 | -97.5 |

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7.8. Test Band = WCDMA_IV_TM1**7.8.1. Test Channel = Low Channel**

| Frequency (MHz) | MaxPeak (dBm) | Limit (dBm) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|--------------------|------------------|----------------|----------------|----------------|-----|------------------|---------------|
| 62.250000 | -72.95 | -13.00 | 59.95 | 226 | V | 168.0 | -100.5 |
| 125.000000 | -79.42 | -13.00 | 66.42 | 152 | V | 85.0 | -103.8 |
| 323.600000 | -76.17 | -13.00 | 63.17 | 266 | V | 0.0 | -102.0 |
| 3503.750000 | -57.81 | -13.00 | 44.81 | 165 | V | 165.0 | -105.0 |
| 5131.025000 | -55.61 | -13.00 | 42.61 | 165 | V | 0.0 | -101.7 |
| 8446.025000 | -52.34 | -13.00 | 39.34 | 280 | V | 0.0 | -97.9 |

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7.9. Test Band = WCDMA_IV_TM1**7.9.1. Test Channel = Mid Channel**

| Frequency (MHz) | MaxPeak (dBm) | Limit (dBm) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|---------------|-------------|-------------|-------------|-----|---------------|------------|
| 62.500000 | -66.75 | -13.00 | 53.75 | 257 | H | 168.0 | -95.1 |
| 104.250000 | -79.65 | -13.00 | 66.65 | 261 | H | 58.0 | -109.6 |
| 282.600000 | -77.50 | -13.00 | 64.50 | 294 | H | 77.0 | -102.9 |
| 3465.725000 | -57.61 | -13.00 | 44.61 | 256 | H | 2.0 | -105.3 |
| 7053.075000 | -53.56 | -13.00 | 40.56 | 185 | H | 48.0 | -98.9 |
| 10283.250000 | -52.23 | -13.00 | 39.23 | 200 | H | 83.0 | -96.5 |

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7.10. Test Band = WCDMA_IV_TM1**7.10.1. Test Channel = Mid Channel**

| Frequency (MHz) | MaxPeak (dBm) | Limit (dBm) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|---------------|-------------|-------------|-------------|-----|---------------|------------|
| 55.950000 | -72.22 | -13.00 | 59.22 | 158 | V | 50.0 | -101.6 |
| 119.400000 | -77.93 | -13.00 | 64.93 | 293 | V | 153.0 | -103.9 |
| 301.050000 | -77.96 | -13.00 | 64.96 | 232 | V | 153.0 | -102.4 |
| 3486.850000 | -58.80 | -13.00 | 45.80 | 244 | V | 72.0 | -105.1 |
| 7077.450000 | -53.60 | -13.00 | 40.60 | 190 | V | 49.0 | -98.8 |
| 10386.925000 | -51.84 | -13.00 | 38.84 | 228 | V | 0.0 | -96.3 |

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7.11. Test Band = WCDMA_IV_TM1**7.11.1. Test Channel = High Channel**

| Frequency (MHz) | MaxPeak (dBm) | Limit (dBm) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|--------------------|------------------|----------------|----------------|----------------|-----|------------------|---------------|
| 54.450000 | -68.89 | -13.00 | 55.89 | 247 | H | 96.0 | -98.1 |
| 104.250000 | -78.55 | -13.00 | 65.55 | 202 | H | 142.0 | -109.6 |
| 265.450000 | -78.09 | -13.00 | 65.09 | 276 | H | 96.0 | -102.4 |
| 3503.100000 | -57.61 | -13.00 | 44.61 | 278 | H | 118.0 | -105.0 |
| 7049.500000 | -53.29 | -13.00 | 40.29 | 172 | H | 60.0 | -98.9 |
| 10590.375000 | -52.20 | -13.00 | 39.20 | 293 | H | 165.0 | -96.5 |

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7.12. Test Band = WCDMA_IV_TM1**7.12.1. Test Channel = High Channel**

| Frequency (MHz) | MaxPeak (dBm) | Limit (dBm) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB) |
|-----------------|---------------|-------------|-------------|-------------|-----|---------------|------------|
| 64.300000 | -71.42 | -13.00 | 58.42 | 225 | V | 96.0 | -99.9 |
| 125.000000 | -78.35 | -13.00 | 65.35 | 290 | V | 49.0 | -103.8 |
| 232.900000 | -78.34 | -13.00 | 65.34 | 260 | V | 49.0 | -106.0 |
| 3453.700000 | -57.88 | -13.00 | 44.88 | 273 | V | 131.0 | -105.2 |
| 5210.000000 | -55.15 | -13.00 | 42.15 | 246 | V | 131.0 | -101.7 |
| 8766.475000 | -52.68 | -13.00 | 39.68 | 193 | V | 0.0 | -97.5 |

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7.13. Test Band = WCDMA Band V

7.13.1. Test Mode =WCDMA/TM1

7.13.1.1. Test Channel = LCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Height [cm] | Angle [°] | Polarization |
|-----------------|-------------|------------------|-------------|-------------|-----------|--------------|
| 64.550000 | -79.56 | -13.00 | 66.56 | 158 | 57 | Vertical |
| 125.000000 | -85.83 | -13.00 | 72.83 | 168 | 231 | Vertical |
| 609.454167 | -76.85 | -13.00 | 63.85 | 163 | 148 | Vertical |
| 1654.500000 | -62.94 | -13.00 | 49.94 | 155 | 162 | Vertical |
| 2476.000000 | -57.78 | -13.00 | 44.78 | 174 | 79 | Vertical |
| 4135.875000 | -63.24 | -13.00 | 50.24 | 159 | 92 | Vertical |
| 63.750000 | -75.73 | -13.00 | 62.73 | 230 | 96 | Horizontal |
| 104.300000 | -83.95 | -13.00 | 70.95 | 214 | 96 | Horizontal |
| 619.354167 | -75.50 | -13.00 | 62.50 | 220 | 139 | Horizontal |
| 1651.500000 | -64.28 | -13.00 | 51.28 | 217 | 0 | Horizontal |
| 2476.500000 | -58.02 | -13.00 | 45.02 | 212 | 155 | Horizontal |
| 4135.875000 | -62.76 | -13.00 | 49.76 | 212 | 208 | Horizontal |

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7.13.1.2. Test Channel = MCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Height [cm] | Angle [°] | Polarization |
|-----------------|-------------|------------------|-------------|-------------|-----------|--------------|
| 64.400000 | -80.14 | -13.00 | 67.14 | 157 | 350 | Vertical |
| 125.000000 | -84.78 | -13.00 | 71.78 | 165 | 12 | Vertical |
| 595.658333 | -77.29 | -13.00 | 64.29 | 161 | 309 | Vertical |
| 1675.000000 | -61.63 | -13.00 | 48.63 | 152 | 152 | Vertical |
| 2513.000000 | -56.19 | -13.00 | 43.19 | 179 | 112 | Vertical |
| 4187.062500 | -62.25 | -13.00 | 49.25 | 158 | 82 | Vertical |
| 62.500000 | -75.84 | -13.00 | 62.84 | 227 | 324 | Horizontal |
| 270.250000 | -64.77 | -13.00 | 51.77 | 212 | 232 | Horizontal |
| 614.404167 | -75.80 | -13.00 | 62.80 | 223 | 0 | Horizontal |
| 1671.500000 | -63.95 | -13.00 | 50.95 | 215 | 0 | Horizontal |
| 2506.500000 | -56.93 | -13.00 | 43.93 | 211 | 129 | Horizontal |
| 4178.287500 | -61.00 | -13.00 | 48.00 | 208 | 241 | Horizontal |

7.13.1.3. Test Channel = HCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Height [cm] | Angle [°] | Polarization |
|-----------------|-------------|------------------|-------------|-------------|-----------|--------------|
| 65.000000 | -79.84 | -13.00 | 66.84 | 155 | 68 | Vertical |
| 125.000000 | -84.79 | -13.00 | 71.79 | 167 | 41 | Vertical |
| 592.175000 | -77.20 | -13.00 | 64.20 | 163 | 317 | Vertical |
| 1695.000000 | -59.51 | -13.00 | 46.51 | 151 | 155 | Vertical |
| 2536.500000 | -55.19 | -13.00 | 42.19 | 176 | 70 | Vertical |
| 4237.275000 | -58.93 | -13.00 | 45.93 | 158 | 92 | Vertical |
| 55.600000 | -75.70 | -13.00 | 62.70 | 229 | 284 | Horizontal |
| 104.300000 | -83.93 | -13.00 | 70.93 | 209 | 183 | Horizontal |
| 621.691667 | -75.46 | -13.00 | 62.46 | 223 | 139 | Horizontal |
| 1691.500000 | -63.13 | -13.00 | 50.13 | 215 | 11 | Horizontal |
| 2536.500000 | -57.36 | -13.00 | 44.36 | 212 | 156 | Horizontal |
| 4228.500000 | -57.35 | -13.00 | 44.35 | 211 | 239 | Horizontal |

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Remark:

- 1 According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.
- 2 The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data had been displayed.



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8. Frequency Stability

8.1. Frequency Vs Voltage

| Voltage | | | | | | | |
|---------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band | Channel | Voltage (Vdc) | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band2 | 9262 | VL | NT | 8.38 | 0.004524 | ±2.5 | PASS |
| Band2 | 9262 | VN | NT | 7.37 | 0.003979 | ±2.5 | PASS |
| Band2 | 9262 | VH | NT | 4.49 | 0.002424 | ±2.5 | PASS |
| Band2 | 9400 | VL | NT | 9.43 | 0.005016 | ±2.5 | PASS |
| Band2 | 9400 | VN | NT | 10.89 | 0.005793 | ±2.5 | PASS |
| Band2 | 9400 | VH | NT | 7.42 | 0.003947 | ±2.5 | PASS |
| Band2 | 9538 | VL | NT | 16.11 | 0.008445 | ±2.5 | PASS |
| Band2 | 9538 | VN | NT | 15.79 | 0.008277 | ±2.5 | PASS |
| Band2 | 9538 | VH | NT | 16.57 | 0.008686 | ±2.5 | PASS |
| Band4 | 1312 | VL | NT | -13.78 | -0.008047 | ±2.5 | PASS |
| Band4 | 1312 | VN | NT | -14.69 | -0.008579 | ±2.5 | PASS |
| Band4 | 1312 | VH | NT | -10.85 | -0.006336 | ±2.5 | PASS |
| Band4 | 1413 | VL | NT | -2.75 | -0.001587 | ±2.5 | PASS |
| Band4 | 1413 | VN | NT | -2.18 | -0.001258 | ±2.5 | PASS |
| Band4 | 1413 | VH | NT | -1.82 | -0.001050 | ±2.5 | PASS |
| Band4 | 1513 | VL | NT | 16.71 | 0.009534 | ±2.5 | PASS |
| Band4 | 1513 | VN | NT | 18.01 | 0.010276 | ±2.5 | PASS |
| Band4 | 1513 | VH | NT | 13.92 | 0.007942 | ±2.5 | PASS |
| Band5 | 4132 | VL | NT | 1.32 | 0.001597 | ±2.5 | PASS |
| Band5 | 4132 | VN | NT | 1.24 | 0.001500 | ±2.5 | PASS |
| Band5 | 4132 | VH | NT | 1.35 | 0.001634 | ±2.5 | PASS |
| Band5 | 4182 | VL | NT | -0.24 | -0.000287 | ±2.5 | PASS |
| Band5 | 4182 | VN | NT | -0.23 | -0.000275 | ±2.5 | PASS |
| Band5 | 4182 | VH | NT | -0.34 | -0.000407 | ±2.5 | PASS |
| Band5 | 4233 | VL | NT | -2.02 | -0.002386 | ±2.5 | PASS |
| Band5 | 4233 | VN | NT | -2.24 | -0.002646 | ±2.5 | PASS |
| Band5 | 4233 | VH | NT | -2.11 | -0.002492 | ±2.5 | PASS |

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8.2. Frequency Vs Temperature

| Temperature | | | | | | | |
|-------------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| Band | Channel | Voltage (Vdc) | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band2 | 9262 | NV | -30 | 1.79 | 0.000966 | ±2.5 | PASS |
| Band2 | 9262 | NV | -20 | 7.51 | 0.004054 | ±2.5 | PASS |
| Band2 | 9262 | NV | -10 | 6.81 | 0.003676 | ±2.5 | PASS |
| Band2 | 9262 | NV | 0 | 4.94 | 0.002667 | ±2.5 | PASS |
| Band2 | 9262 | NV | 10 | 5.23 | 0.002823 | ±2.5 | PASS |
| Band2 | 9262 | NV | 20 | 2.01 | 0.001085 | ±2.5 | PASS |
| Band2 | 9262 | NV | 30 | 5.00 | 0.002699 | ±2.5 | PASS |
| Band2 | 9262 | NV | 40 | 6.58 | 0.003552 | ±2.5 | PASS |
| Band2 | 9262 | NV | 50 | 4.30 | 0.002321 | ±2.5 | PASS |
| Band2 | 9400 | NV | -30 | 11.38 | 0.006053 | ±2.5 | PASS |
| Band2 | 9400 | NV | -20 | 15.76 | 0.008383 | ±2.5 | PASS |
| Band2 | 9400 | NV | -10 | 13.47 | 0.007165 | ±2.5 | PASS |
| Band2 | 9400 | NV | 0 | 8.93 | 0.004750 | ±2.5 | PASS |
| Band2 | 9400 | NV | 10 | 13.70 | 0.007287 | ±2.5 | PASS |
| Band2 | 9400 | NV | 20 | 7.29 | 0.003878 | ±2.5 | PASS |
| Band2 | 9400 | NV | 30 | 6.50 | 0.003457 | ±2.5 | PASS |
| Band2 | 9400 | NV | 40 | 13.20 | 0.007021 | ±2.5 | PASS |
| Band2 | 9400 | NV | 50 | 11.73 | 0.006239 | ±2.5 | PASS |
| Band2 | 9538 | NV | -30 | 16.25 | 0.008519 | ±2.5 | PASS |
| Band2 | 9538 | NV | -20 | 17.67 | 0.009263 | ±2.5 | PASS |
| Band2 | 9538 | NV | -10 | 14.76 | 0.007737 | ±2.5 | PASS |
| Band2 | 9538 | NV | 0 | 14.98 | 0.007853 | ±2.5 | PASS |
| Band2 | 9538 | NV | 10 | 13.96 | 0.007318 | ±2.5 | PASS |
| Band2 | 9538 | NV | 20 | 15.41 | 0.008078 | ±2.5 | PASS |
| Band2 | 9538 | NV | 30 | 12.21 | 0.006401 | ±2.5 | PASS |
| Band2 | 9538 | NV | 40 | 14.50 | 0.007601 | ±2.5 | PASS |
| Band2 | 9538 | NV | 50 | 14.71 | 0.007711 | ±2.5 | PASS |
| Band4 | 1312 | NV | -30 | -15.46 | -0.009028 | ±2.5 | PASS |
| Band4 | 1312 | NV | -20 | -16.22 | -0.009472 | ±2.5 | PASS |
| Band4 | 1312 | NV | -10 | -15.88 | -0.009274 | ±2.5 | PASS |
| Band4 | 1312 | NV | 0 | -14.01 | -0.008181 | ±2.5 | PASS |
| Band4 | 1312 | NV | 10 | -13.00 | -0.007592 | ±2.5 | PASS |
| Band4 | 1312 | NV | 20 | -15.24 | -0.008900 | ±2.5 | PASS |

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| | | | | | | | |
|-------|------|----|-----|--------|-----------|------|------|
| Band4 | 1312 | NV | 30 | -14.85 | -0.008672 | ±2.5 | PASS |
| Band4 | 1312 | NV | 40 | -13.09 | -0.007644 | ±2.5 | PASS |
| Band4 | 1312 | NV | 50 | -12.99 | -0.007586 | ±2.5 | PASS |
| Band4 | 1413 | NV | -30 | -1.21 | -0.000698 | ±2.5 | PASS |
| Band4 | 1413 | NV | -20 | -1.14 | -0.000658 | ±2.5 | PASS |
| Band4 | 1413 | NV | -10 | -1.63 | -0.000941 | ±2.5 | PASS |
| Band4 | 1413 | NV | 0 | -3.51 | -0.002026 | ±2.5 | PASS |
| Band4 | 1413 | NV | 10 | -0.32 | -0.000185 | ±2.5 | PASS |
| Band4 | 1413 | NV | 20 | -2.08 | -0.001201 | ±2.5 | PASS |
| Band4 | 1413 | NV | 30 | -1.89 | -0.001091 | ±2.5 | PASS |
| Band4 | 1413 | NV | 40 | -0.35 | -0.000202 | ±2.5 | PASS |
| Band4 | 1413 | NV | 50 | -5.23 | -0.003019 | ±2.5 | PASS |
| Band4 | 1513 | NV | -30 | 13.69 | 0.007811 | ±2.5 | PASS |
| Band4 | 1513 | NV | -20 | 14.21 | 0.008108 | ±2.5 | PASS |
| Band4 | 1513 | NV | -10 | 10.97 | 0.006259 | ±2.5 | PASS |
| Band4 | 1513 | NV | 0 | 13.11 | 0.007480 | ±2.5 | PASS |
| Band4 | 1513 | NV | 10 | 15.93 | 0.009089 | ±2.5 | PASS |
| Band4 | 1513 | NV | 20 | 14.01 | 0.007994 | ±2.5 | PASS |
| Band4 | 1513 | NV | 30 | 13.60 | 0.007760 | ±2.5 | PASS |
| Band4 | 1513 | NV | 40 | 14.88 | 0.008490 | ±2.5 | PASS |
| Band4 | 1513 | NV | 50 | 14.01 | 0.007994 | ±2.5 | PASS |
| Band5 | 4132 | NV | -30 | 1.39 | 0.001682 | ±2.5 | PASS |
| Band5 | 4132 | NV | -20 | 1.38 | 0.001670 | ±2.5 | PASS |
| Band5 | 4132 | NV | -10 | 1.49 | 0.001803 | ±2.5 | PASS |
| Band5 | 4132 | NV | 0 | 1.53 | 0.001851 | ±2.5 | PASS |
| Band5 | 4132 | NV | 10 | 1.42 | 0.001718 | ±2.5 | PASS |
| Band5 | 4132 | NV | 20 | 1.45 | 0.001755 | ±2.5 | PASS |
| Band5 | 4132 | NV | 30 | 1.57 | 0.001900 | ±2.5 | PASS |
| Band5 | 4132 | NV | 40 | 1.42 | 0.001718 | ±2.5 | PASS |
| Band5 | 4132 | NV | 50 | 1.39 | 0.001682 | ±2.5 | PASS |
| Band5 | 4182 | NV | -30 | -0.32 | -0.000383 | ±2.5 | PASS |
| Band5 | 4182 | NV | -20 | -0.28 | -0.000335 | ±2.5 | PASS |
| Band5 | 4182 | NV | -10 | -0.19 | -0.000227 | ±2.5 | PASS |
| Band5 | 4182 | NV | 0 | -0.42 | -0.000502 | ±2.5 | PASS |
| Band5 | 4182 | NV | 10 | -0.31 | -0.000371 | ±2.5 | PASS |
| Band5 | 4182 | NV | 20 | -0.31 | -0.000371 | ±2.5 | PASS |
| Band5 | 4182 | NV | 30 | -0.35 | -0.000418 | ±2.5 | PASS |

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| | | | | | | | |
|-------|------|----|-----|-------|-----------|------|------|
| Band5 | 4182 | NV | 40 | -0.19 | -0.000227 | ±2.5 | PASS |
| Band5 | 4182 | NV | 50 | -0.35 | -0.000418 | ±2.5 | PASS |
| Band5 | 4233 | NV | -30 | -2.30 | -0.002717 | ±2.5 | PASS |
| Band5 | 4233 | NV | -20 | -2.38 | -0.002811 | ±2.5 | PASS |
| Band5 | 4233 | NV | -10 | -2.16 | -0.002551 | ±2.5 | PASS |
| Band5 | 4233 | NV | 0 | -2.05 | -0.002421 | ±2.5 | PASS |
| Band5 | 4233 | NV | 10 | -2.19 | -0.002587 | ±2.5 | PASS |
| Band5 | 4233 | NV | 20 | -2.28 | -0.002693 | ±2.5 | PASS |
| Band5 | 4233 | NV | 30 | -2.20 | -0.002599 | ±2.5 | PASS |
| Band5 | 4233 | NV | 40 | -2.15 | -0.002540 | ±2.5 | PASS |
| Band5 | 4233 | NV | 50 | -2.23 | -0.002634 | ±2.5 | PASS |

The End

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