



# Appendix B

## WCDMA BAND II & IV & V



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

### 1.1. Test Result

| BAND    | Channel | Power(dBm) | EIRP(dBm) | Limit(dBm) | Verdict |
|---------|---------|------------|-----------|------------|---------|
| Band II | 9262    | 23.42      | 14.62     | 33.00      | PASS    |
| Band II | 9400    | 23.55      | 14.75     | 33.00      | PASS    |
| Band II | 9538    | 23.60      | 14.80     | 33.00      | PASS    |
| Band IV | 1312    | 23.35      | 13.55     | 30.00      | PASS    |
| Band IV | 1413    | 23.39      | 13.59     | 30.00      | PASS    |
| Band IV | 1513    | 23.41      | 13.61     | 30.00      | PASS    |

| BAND   | Channel | Power(dBm) | ERP(dBm) | Limit(dBm) | Verdict |
|--------|---------|------------|----------|------------|---------|
| Band V | 4132    | 23.57      | 13.27    | 38.45      | PASS    |
| Band V | 4182    | 23.52      | 13.22    | 38.45      | PASS    |
| Band V | 4233    | 23.61      | 13.31    | 38.45      | PASS    |

Remark:

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

$$\text{EIRP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBi]}$$

$$\text{ERP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBd]}$$

b: SGP=Signal Generator Level

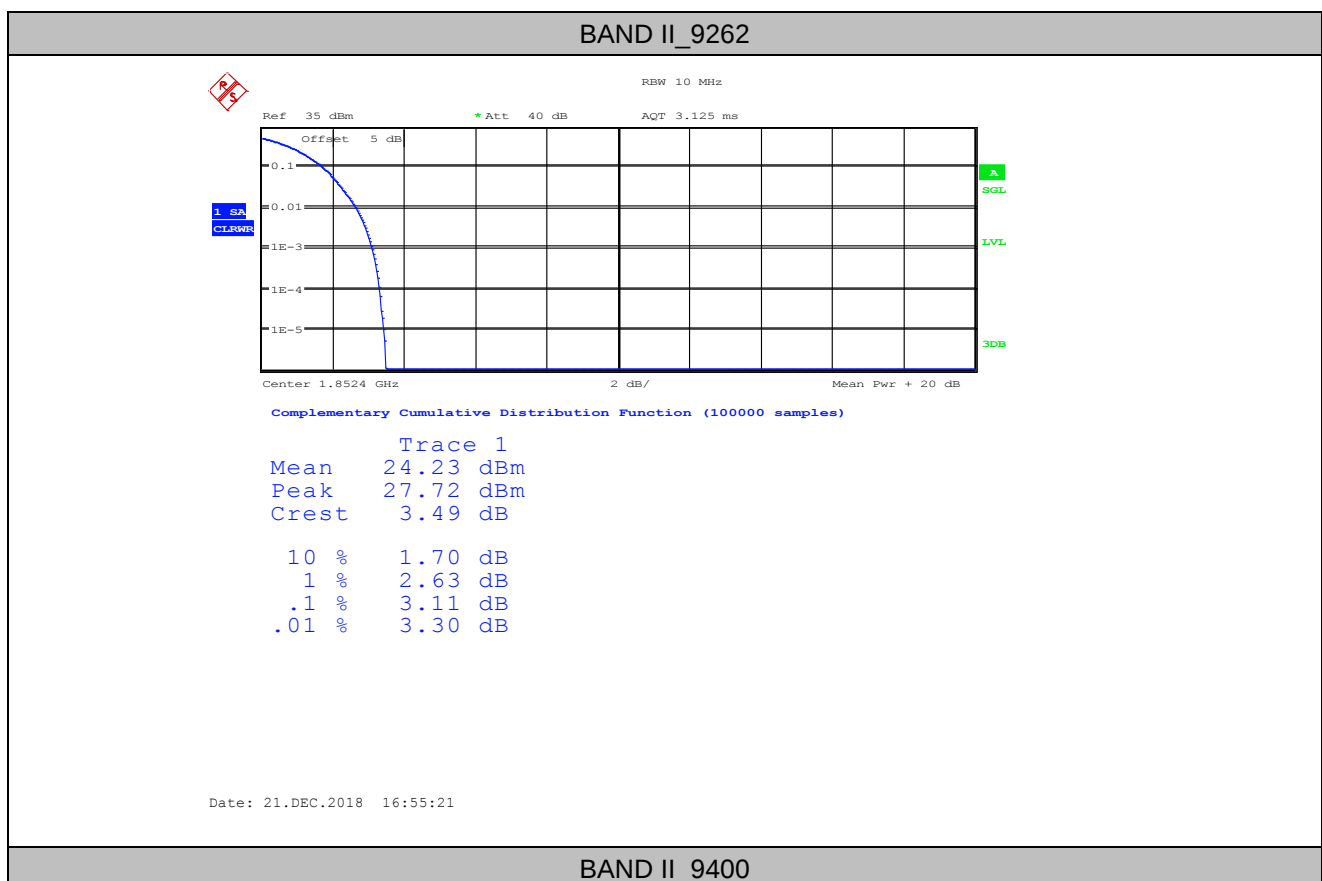


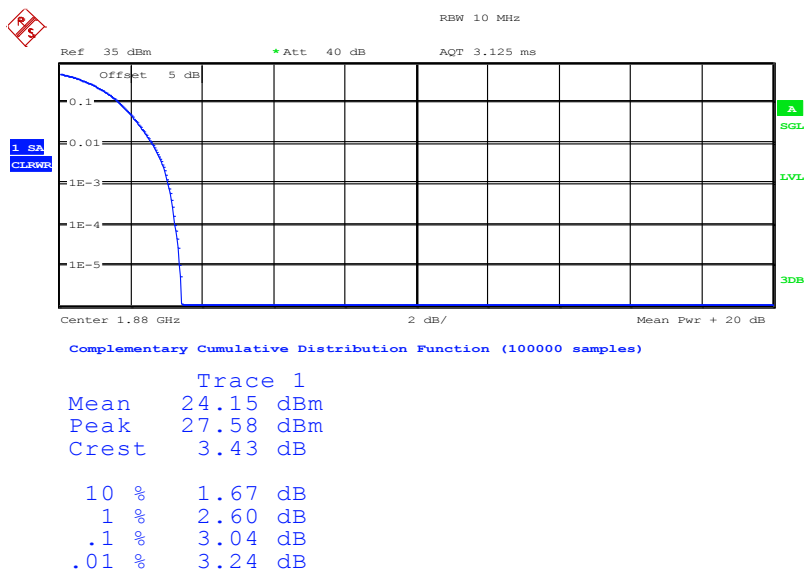
## 2. Peak-to-Average Ratio

### 2.1. Test Result

| BAND    | Channel | Peak-to-Average Ratio(dB) | Limit(dB) | Verdict |
|---------|---------|---------------------------|-----------|---------|
| Band II | 9262    | 3.11                      | 13        | PASS    |
| Band II | 9400    | 3.04                      | 13        | PASS    |
| Band II | 9538    | 3.14                      | 13        | PASS    |
| Band IV | 1312    | 2.82                      | 13        | PASS    |
| Band IV | 1413    | 3.01                      | 13        | PASS    |
| Band IV | 1513    | 2.82                      | 13        | PASS    |
| Band V  | 4132    | 2.50                      | 13        | PASS    |
| Band V  | 4182    | 3.14                      | 13        | PASS    |
| Band V  | 4233    | 2.82                      | 13        | PASS    |

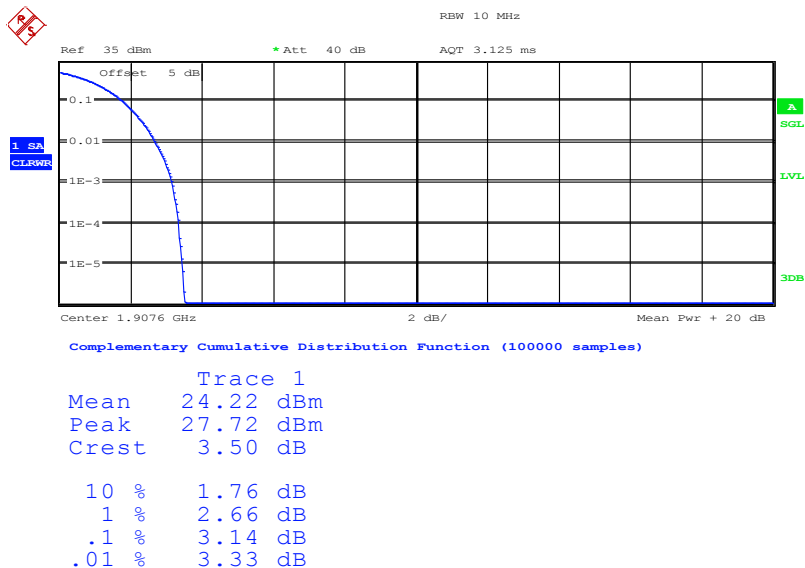
### 2.2. Test Plots





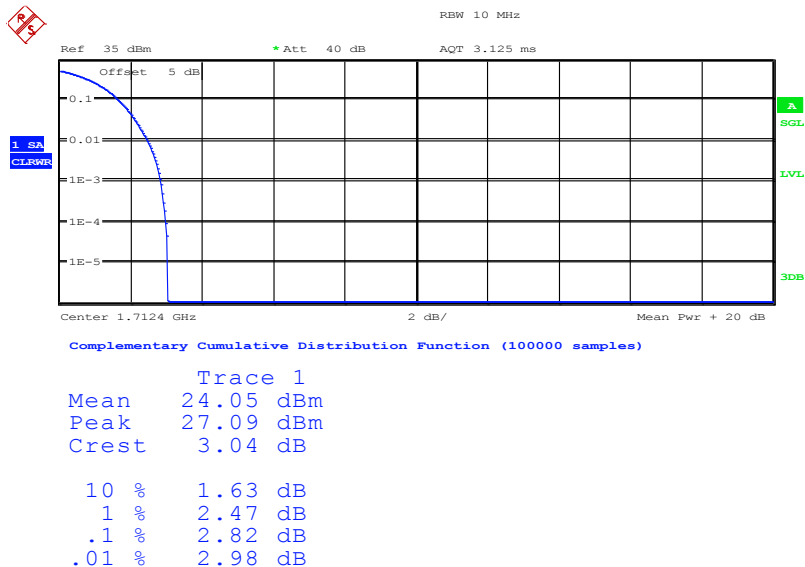
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## BAND II\_9538



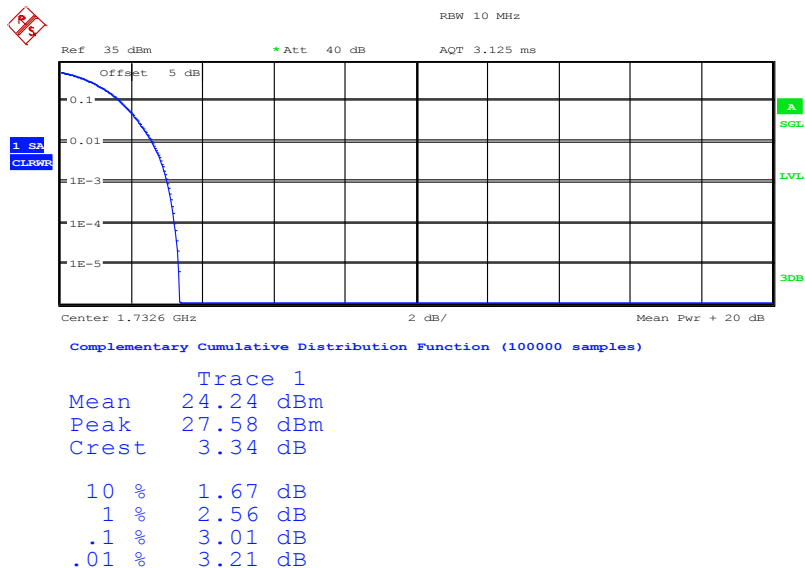
Date: 21.DEC.2018 16:56:05

## BAND IV\_1312



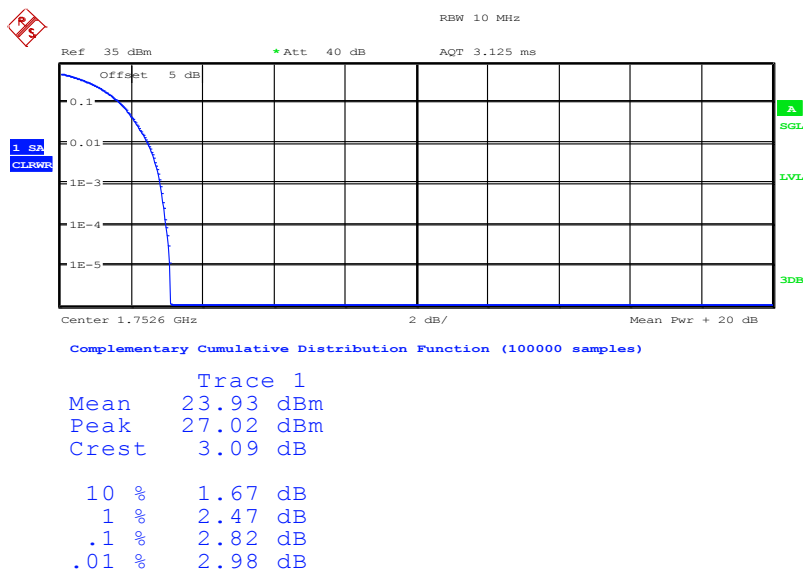
Date: 21.DEC.2018 16:56:57

#### BAND IV\_1413



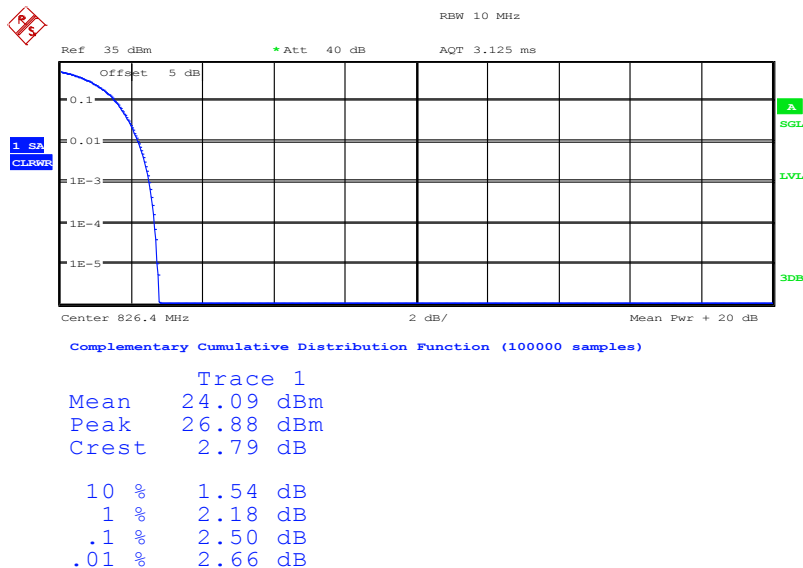
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#### BAND IV\_1513



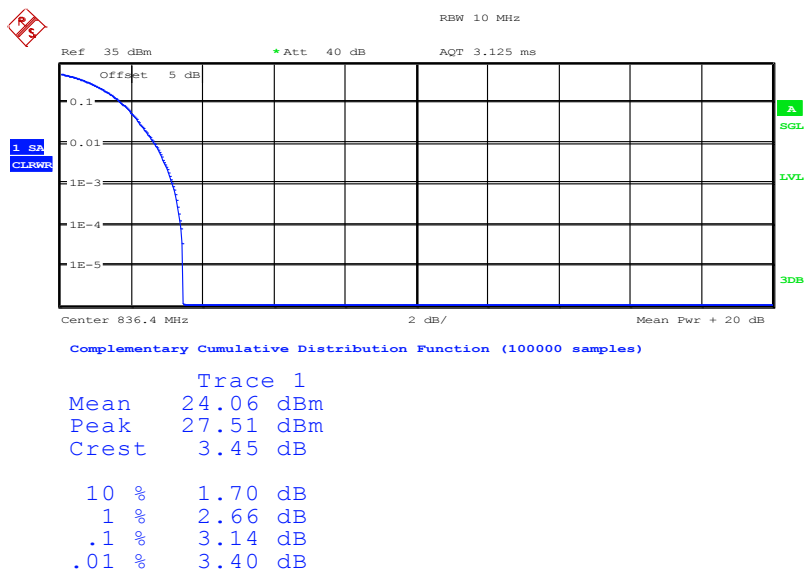
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BAND V\_4132



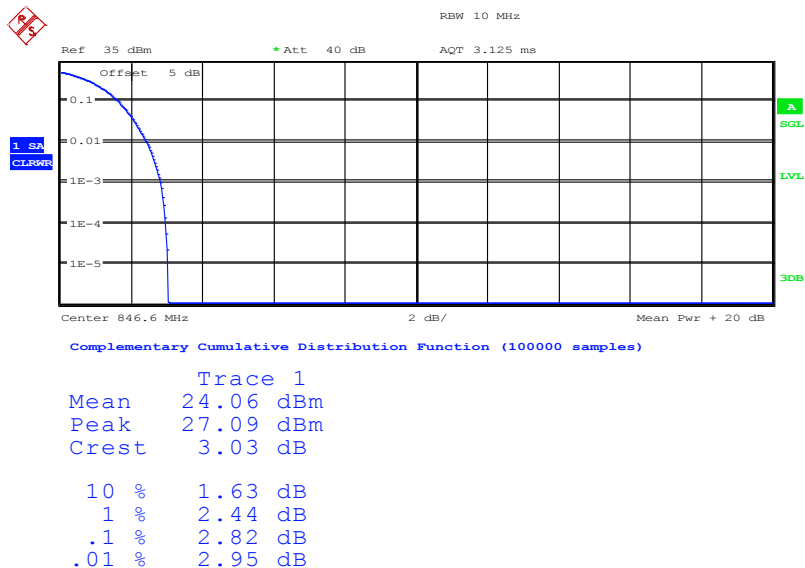
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BAND V\_4182



Date: 21.DEC.2018 16:50:18

#### BAND V\_4233



Date: 21.DEC.2018 16:48:44



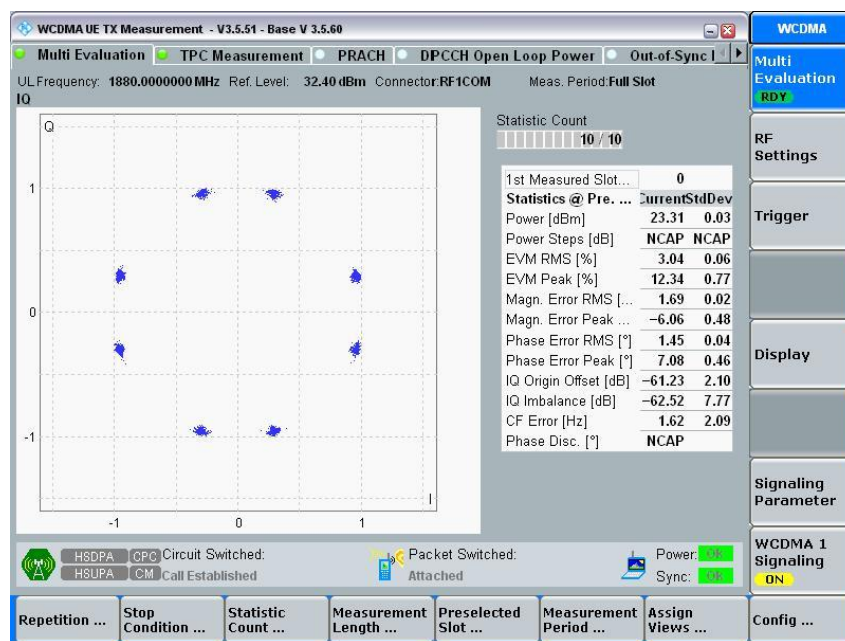
### 3. Modulation Characteristics

#### 3.1. For WCDMA

##### 3.1.1. Test BAND = WCDMA BAND II

##### 3.1.1.1. Test Mode = UMTS/TM1

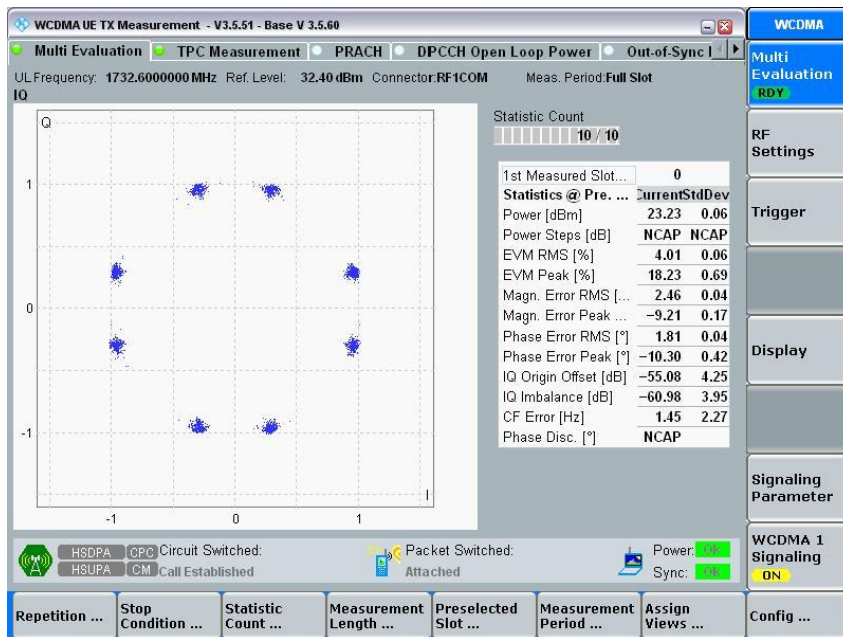
##### 3.1.1.1.1. Test Channel = MCH



### 3.1.2. Test BAND = WCDMA BAND IV

#### 3.1.2.1. Test Mode = UMTS/TM1

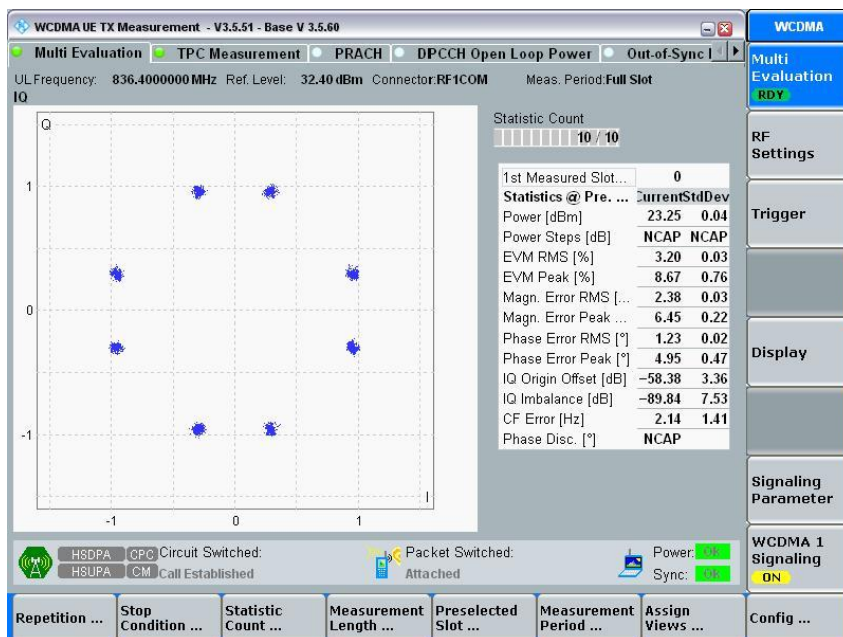
##### 3.1.2.1.1. Test Channel = MCH



### 3.1.3. Test BAND = WCDMA BAND V

#### 3.1.3.1. Test Mode = UMTS /TM1

##### 3.1.3.1.1. Test Channel = MCH





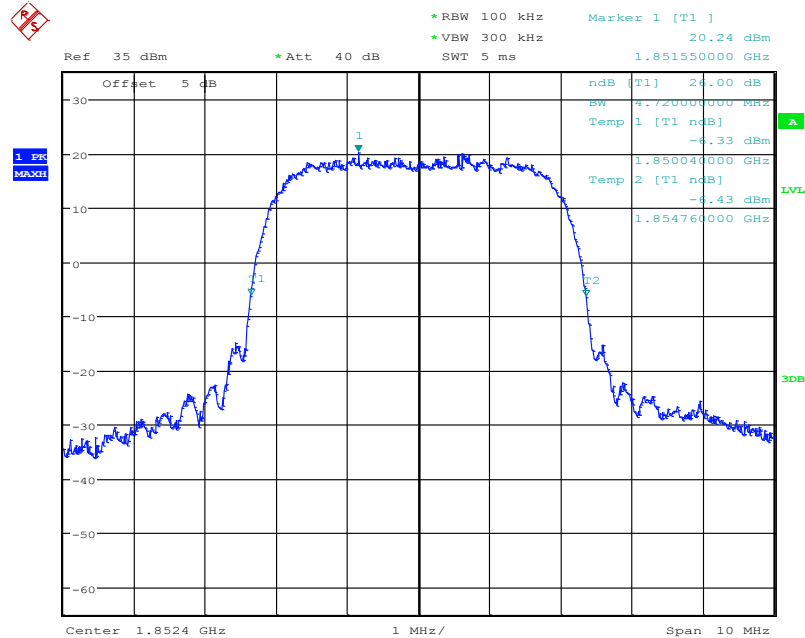
## 4. 26dB Bandwidth and Occupied Bandwidth

### 4.1. Test Result

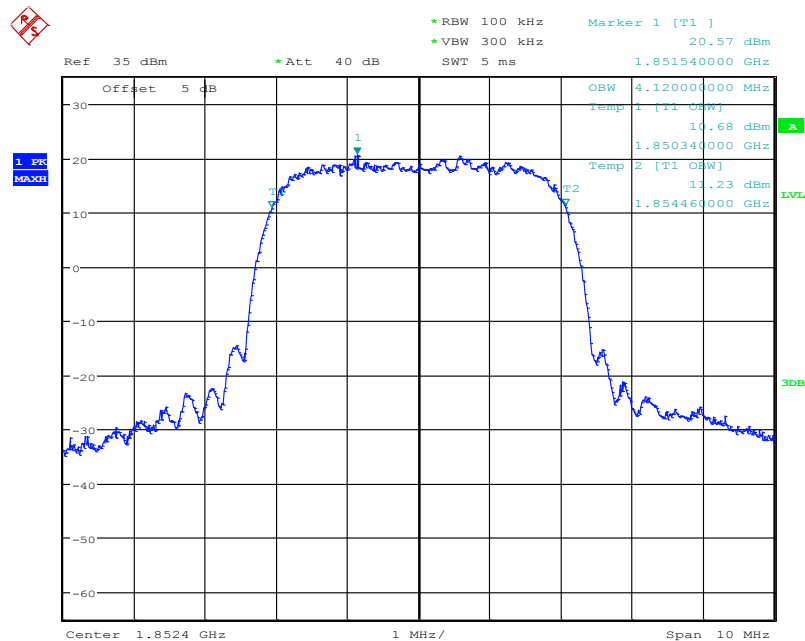
| BAND    | Channel | Occupied Bandwidth<br>(MHz) | 26dB Bandwidth<br>(MHz) | Limit(kHz) | Verdict |
|---------|---------|-----------------------------|-------------------------|------------|---------|
| Band II | 9262    | 4.12                        | 4.72                    | ---        | PASS    |
| Band II | 9400    | 4.13                        | 4.70                    | ---        | PASS    |
| Band II | 9538    | 4.13                        | 4.70                    | ---        | PASS    |
| Band IV | 1312    | 4.13                        | 4.71                    | ---        | PASS    |
| Band IV | 1413    | 4.14                        | 4.70                    | ---        | PASS    |
| Band IV | 1513    | 4.13                        | 4.73                    | ---        | PASS    |
| Band V  | 4132    | 4.15                        | 4.74                    | ---        | PASS    |
| Band V  | 4182    | 4.14                        | 4.69                    | ---        | PASS    |
| Band V  | 4233    | 4.14                        | 4.75                    | ---        | PASS    |



## 4.2. Test Plots

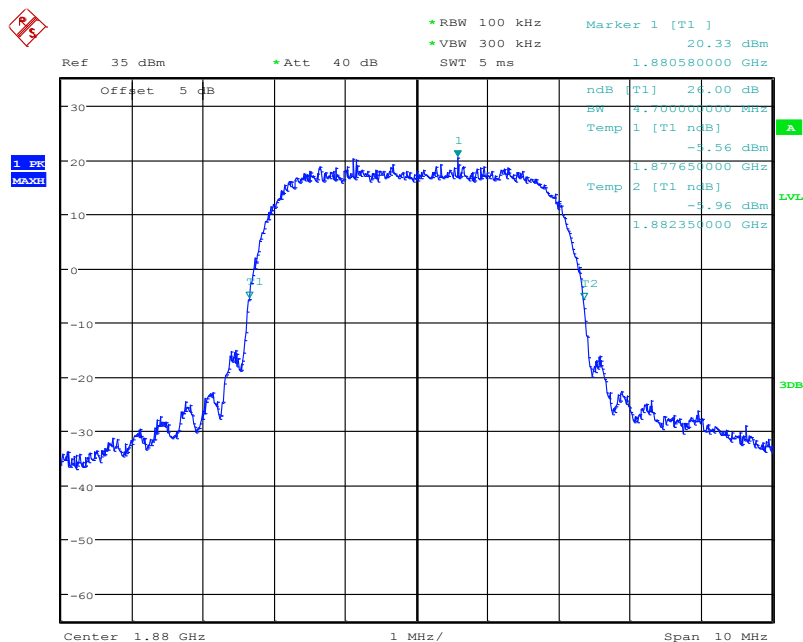


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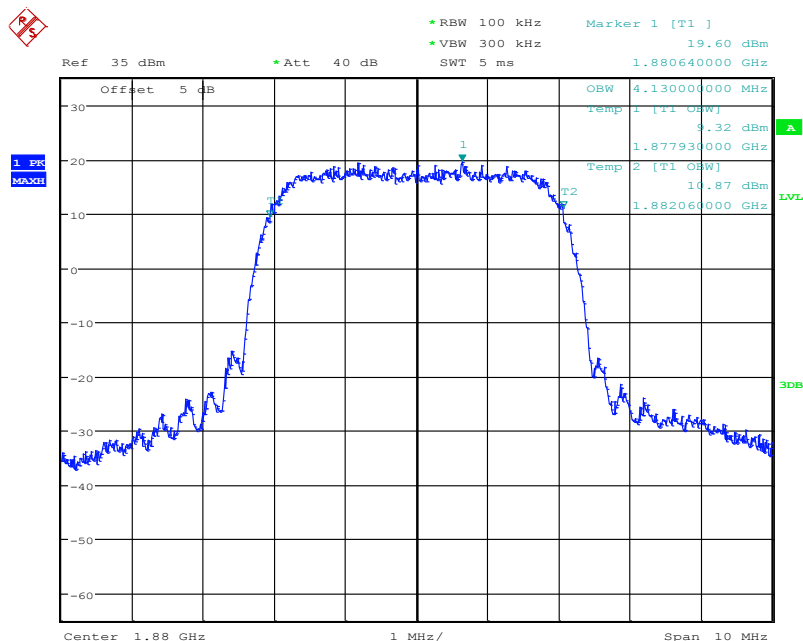


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Band II\_9262

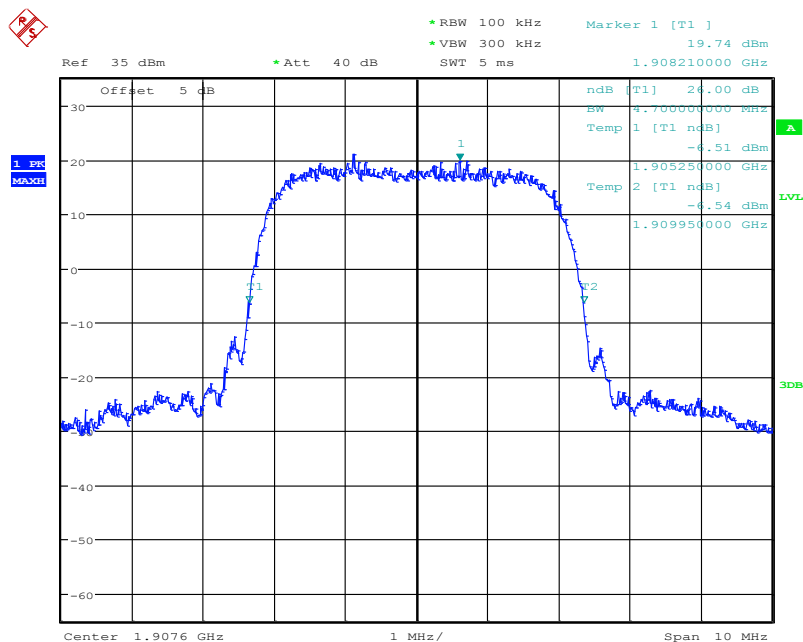


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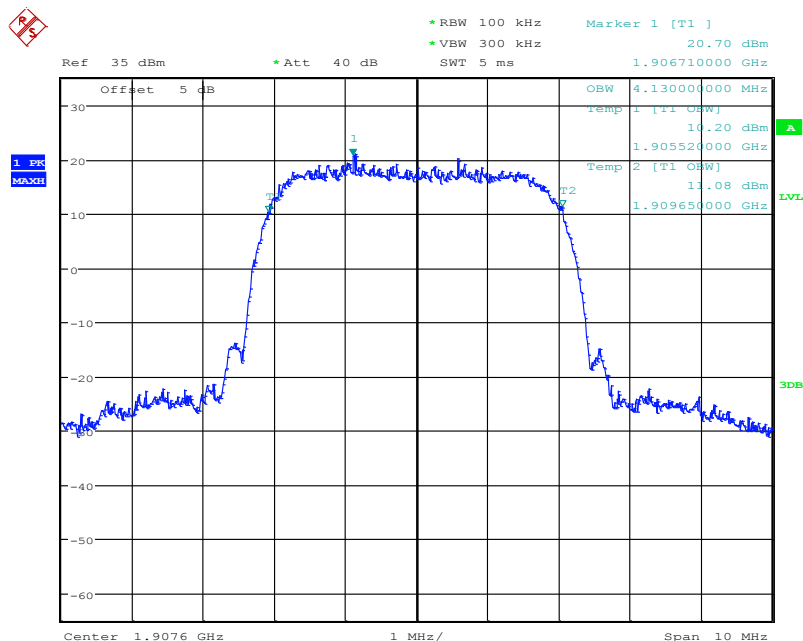


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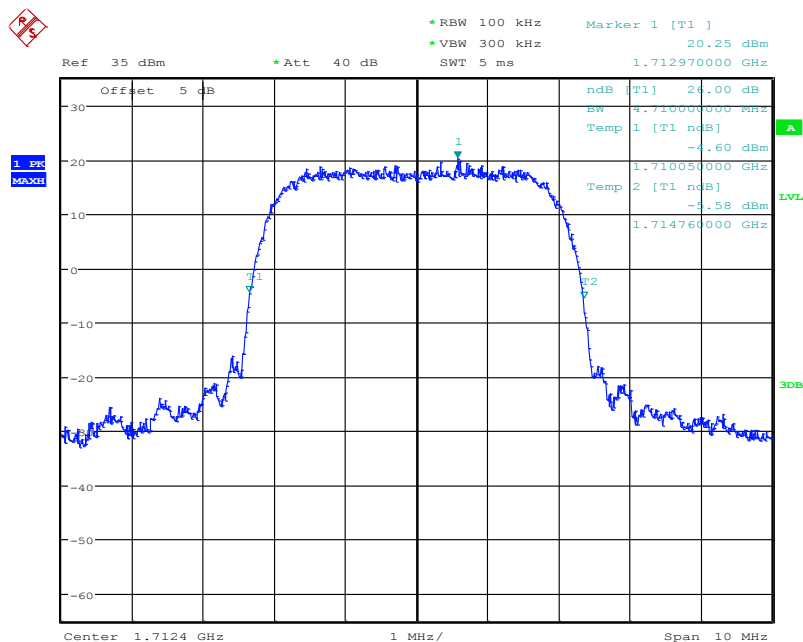


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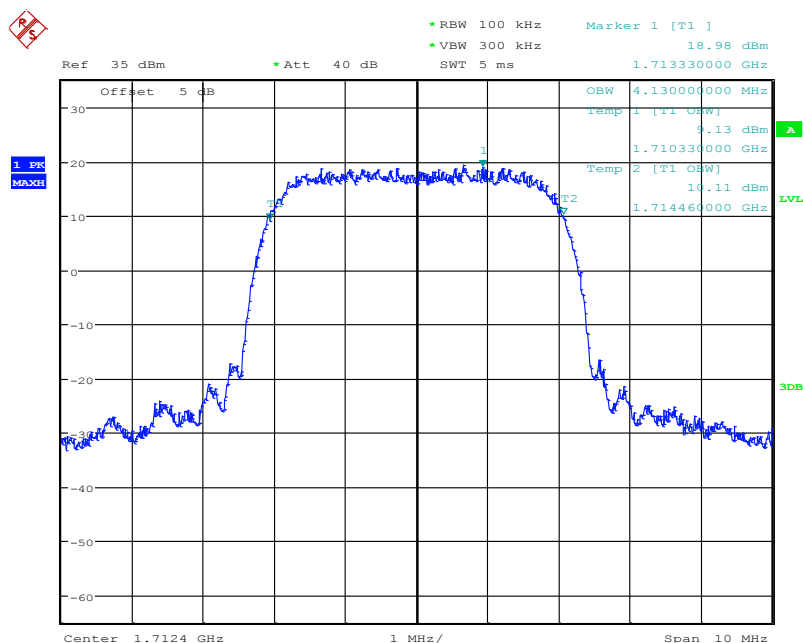


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Band II\_9538

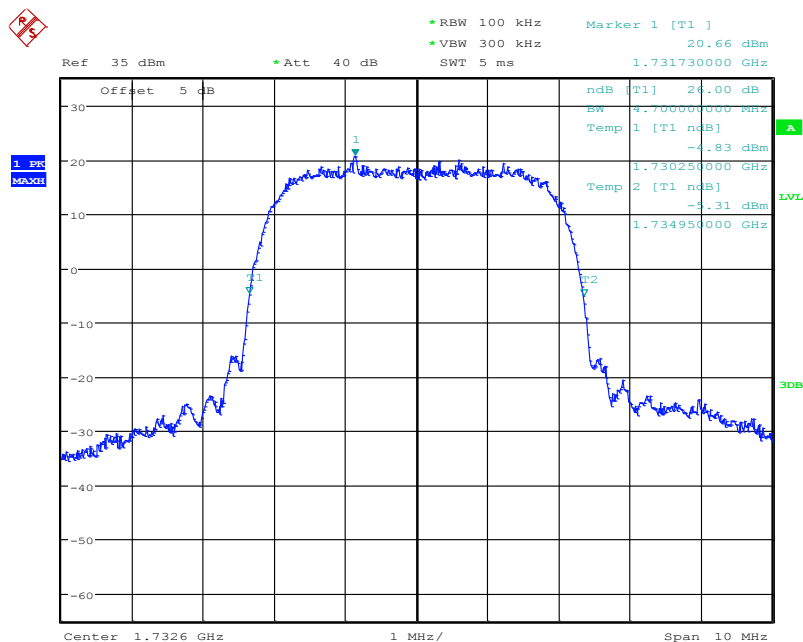


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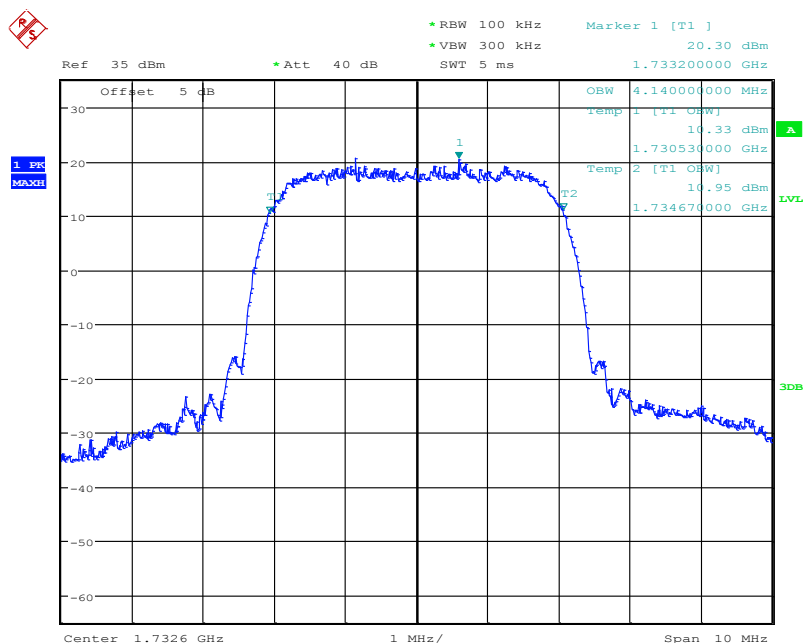


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Band IV\_1312

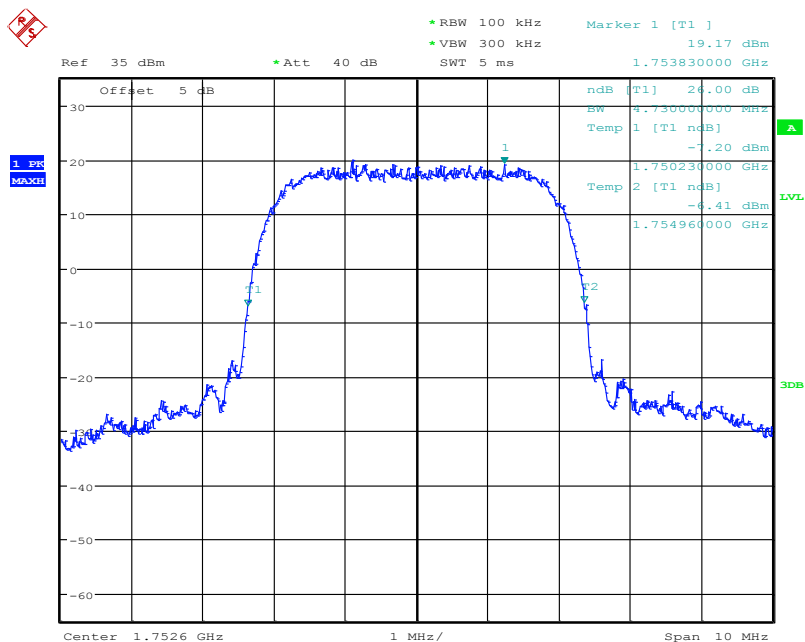


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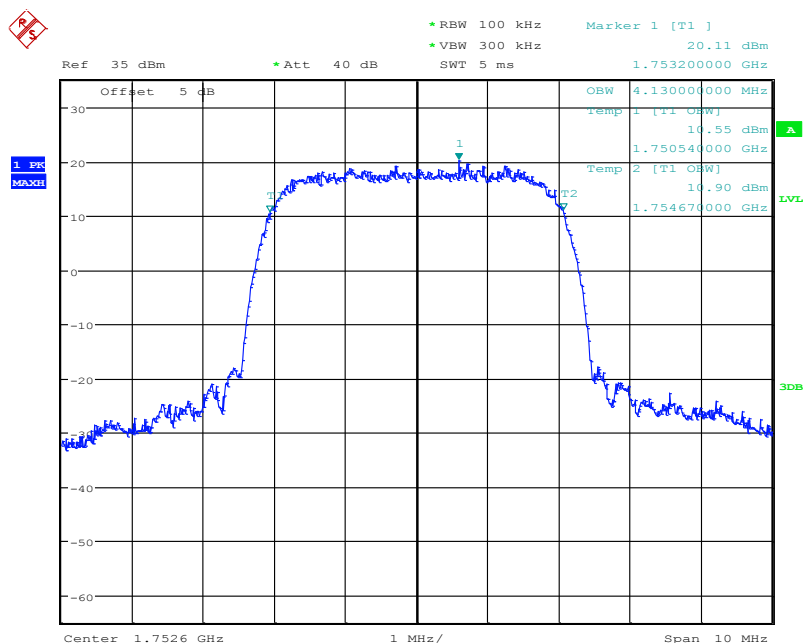


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Band IV\_1413

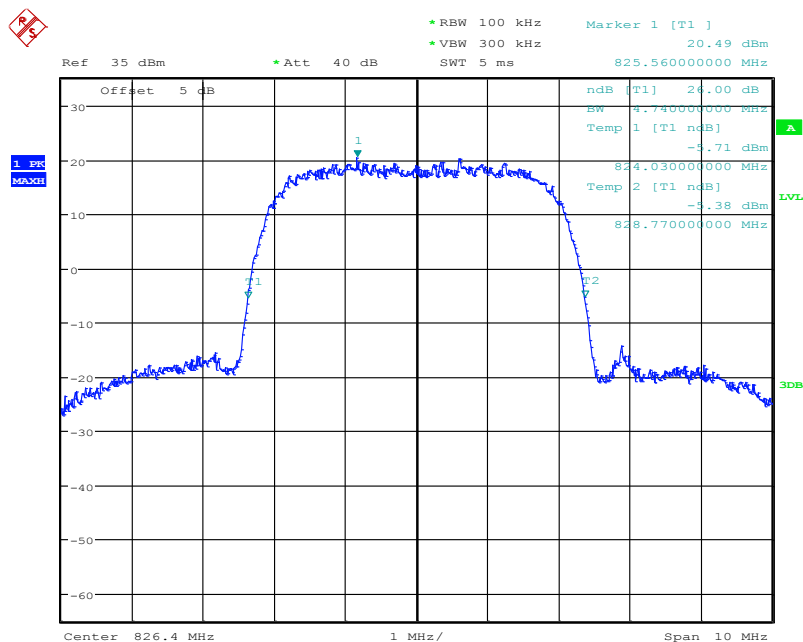


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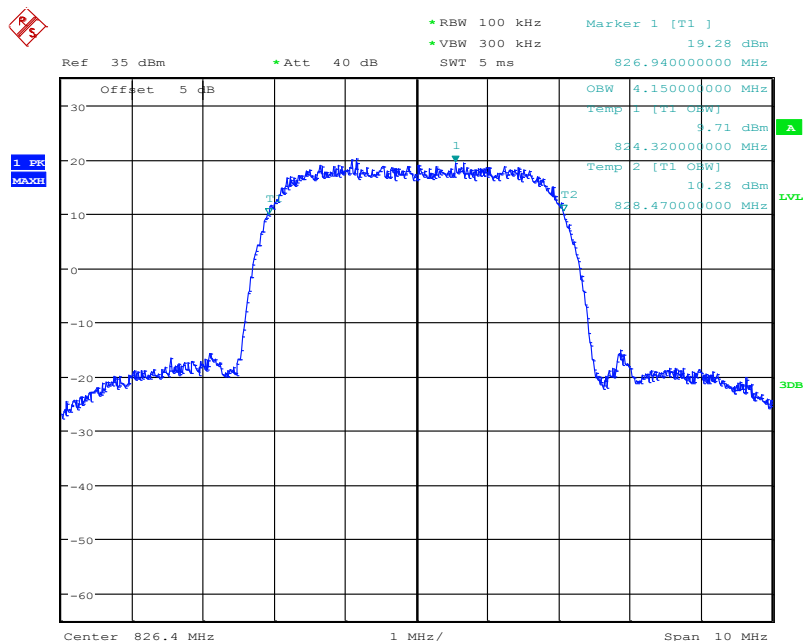


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Band IV\_1513

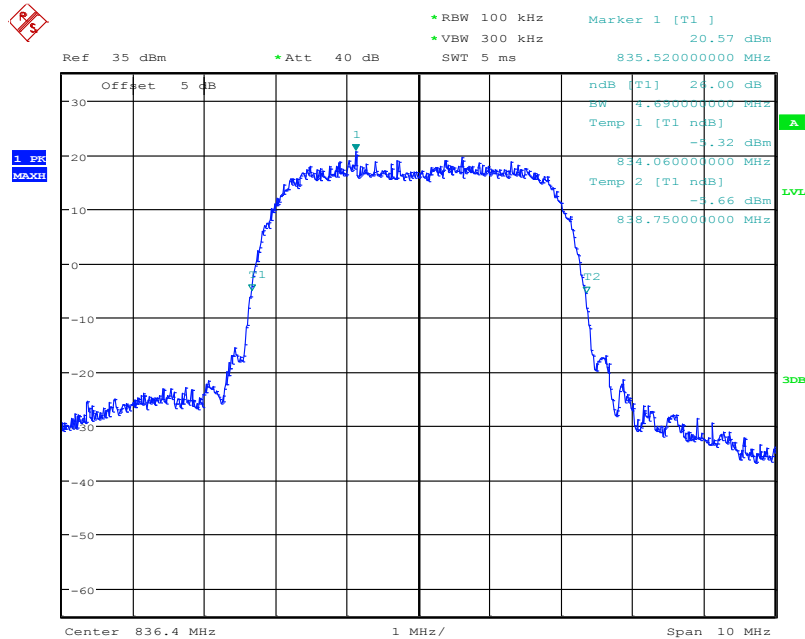


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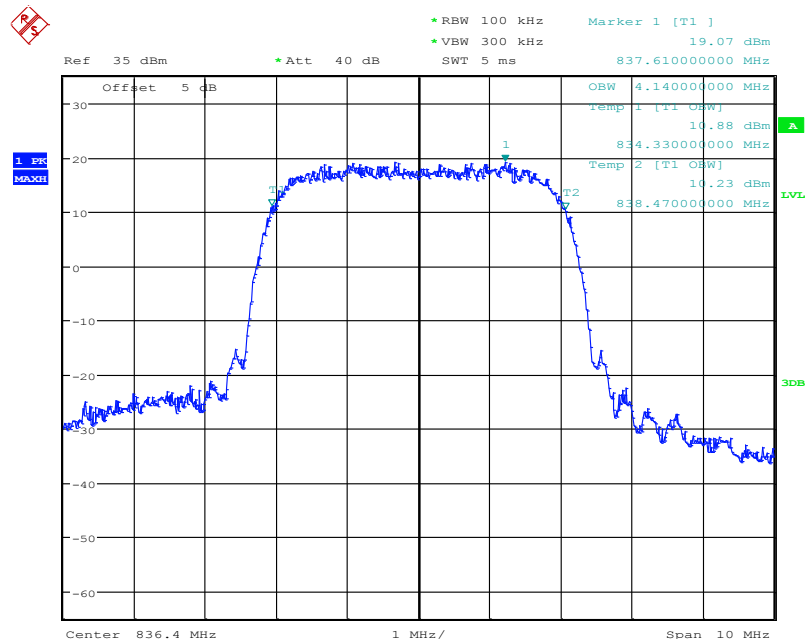


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Band V\_4132

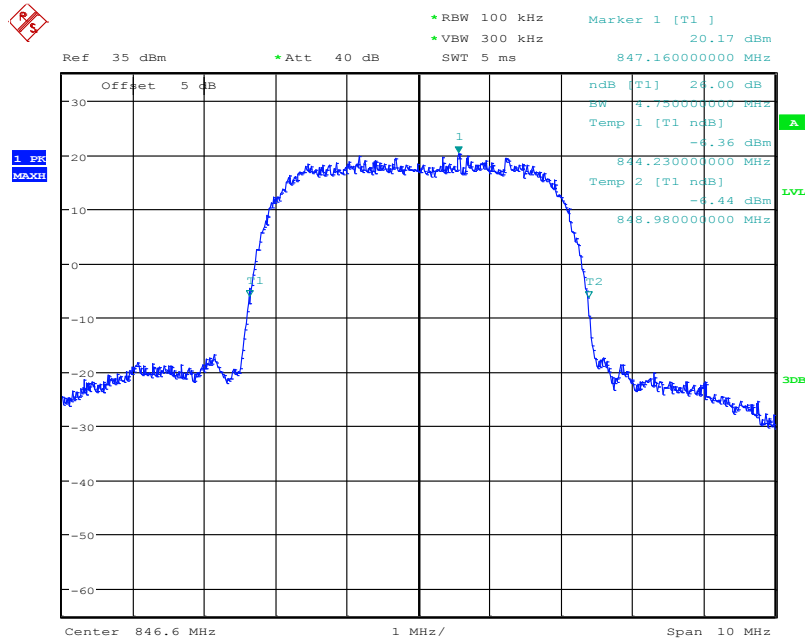


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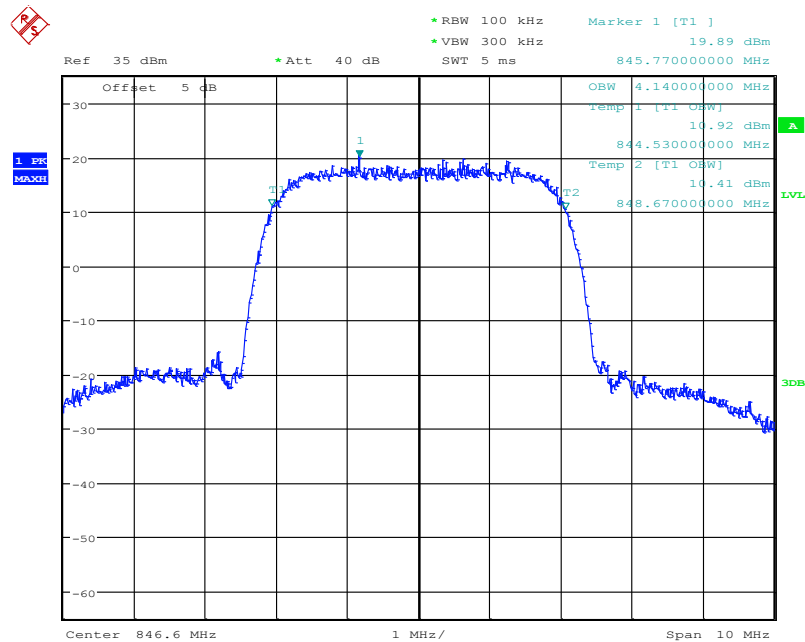


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Band V\_4182



Date: 21.DEC.2018 15:19:30



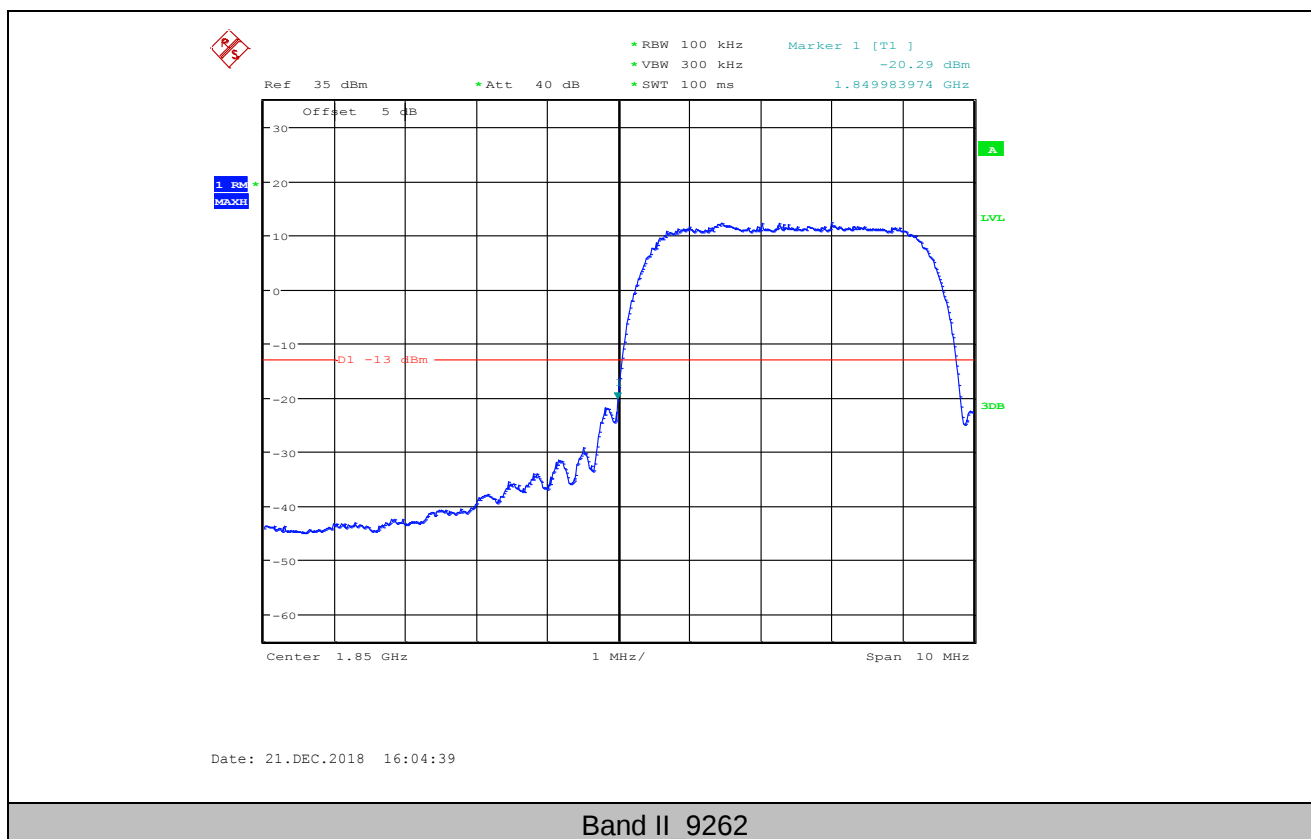
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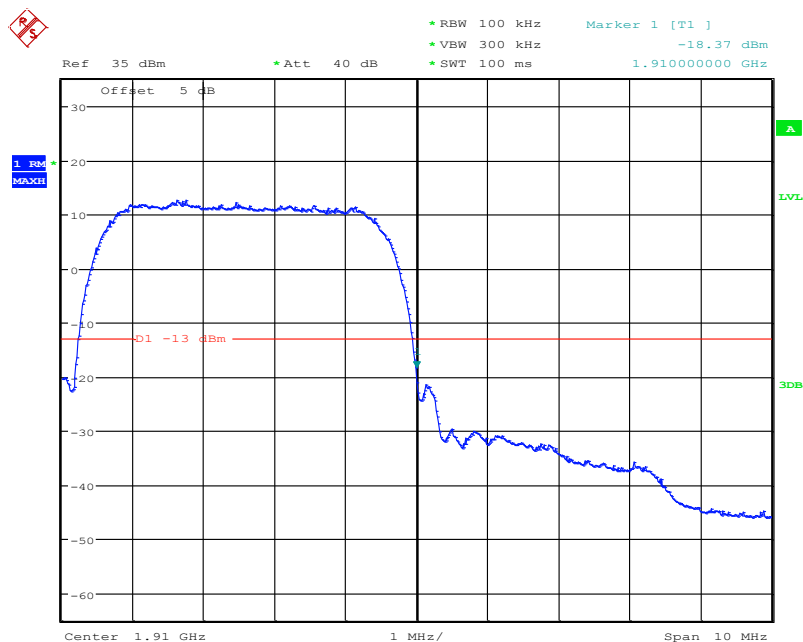
Band V\_4233



## 5. Band Edge Compliance

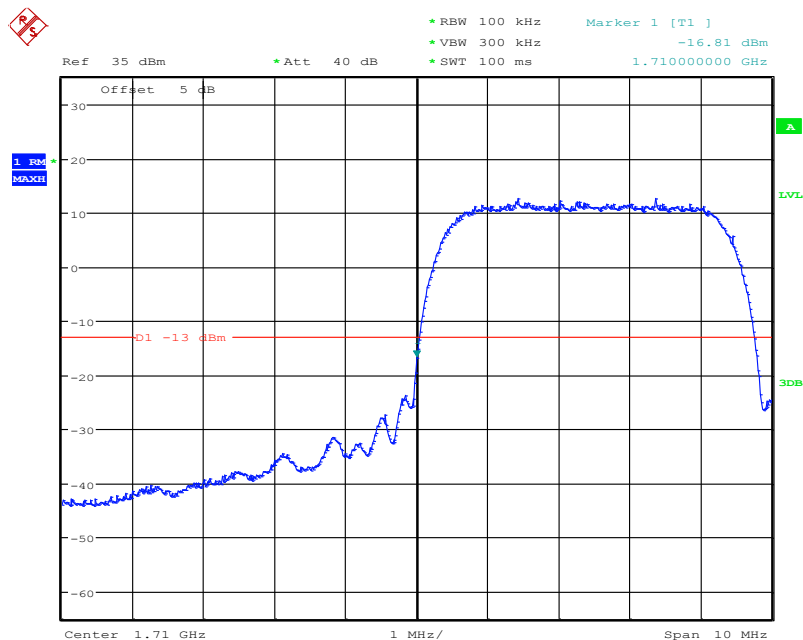
### 5.1. Test Plots





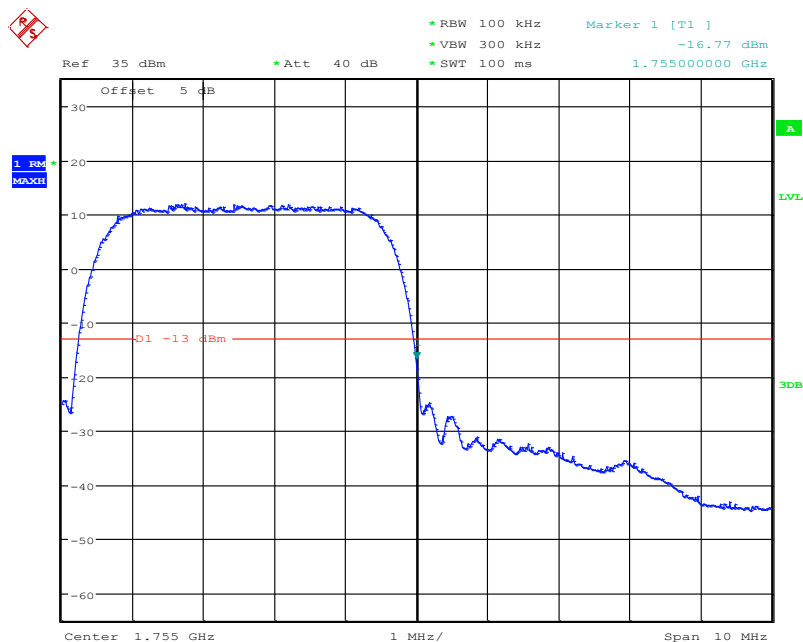
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### Band II\_9538



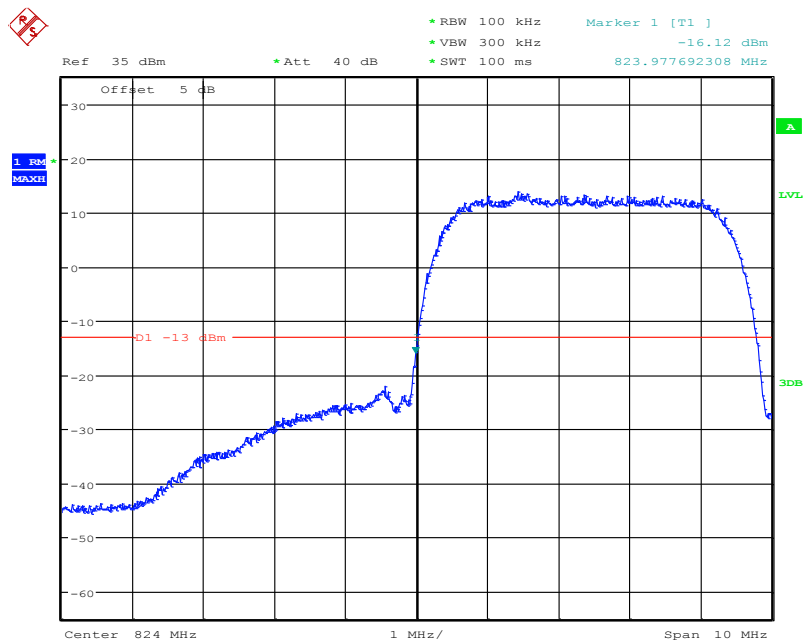
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### Band IV\_1312



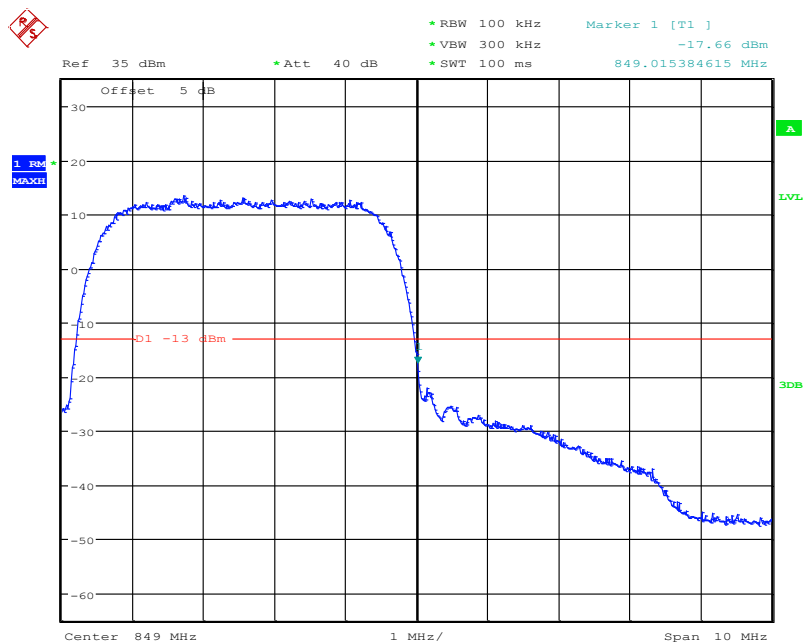
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#### Band IV\_1513



Date: 21.DEC.2018 15:29:18

#### Band V\_4132



Date: 21.DEC.2018 15:31:16

Band V\_4233

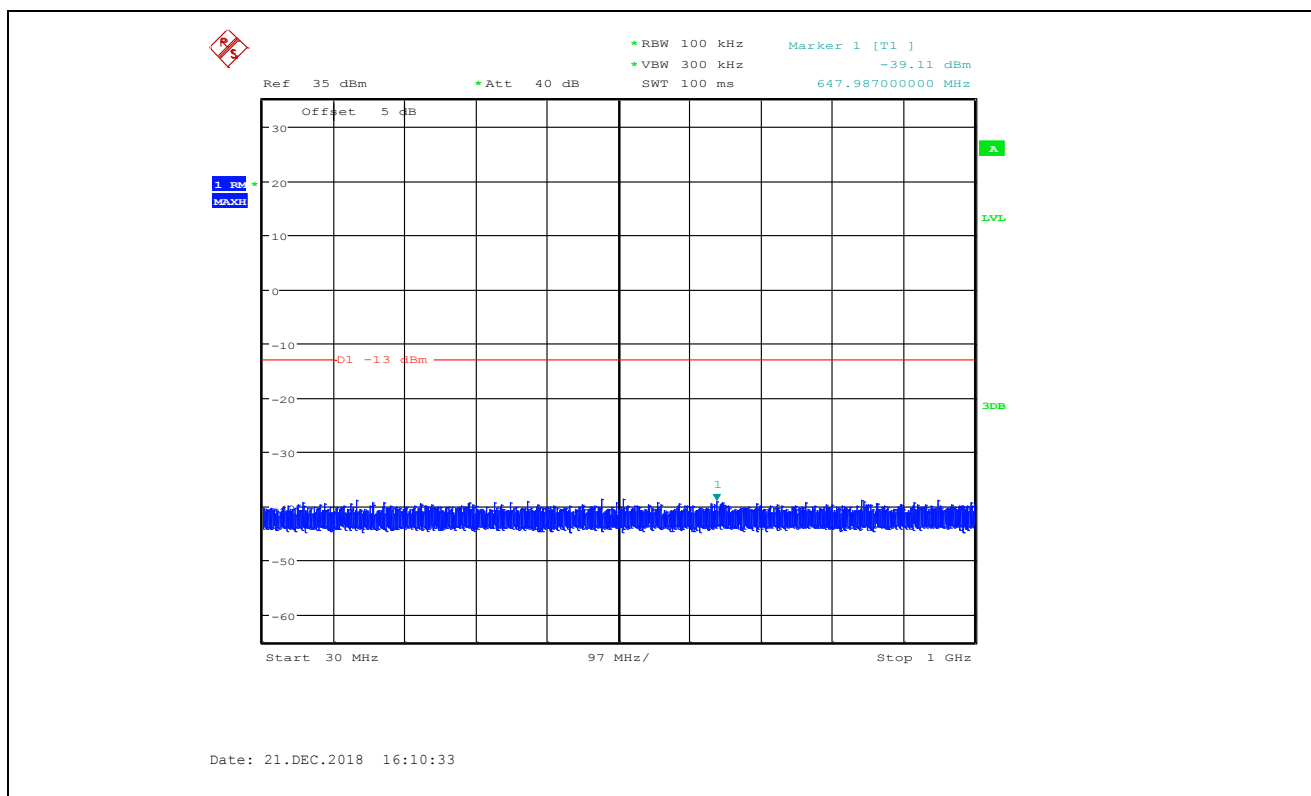


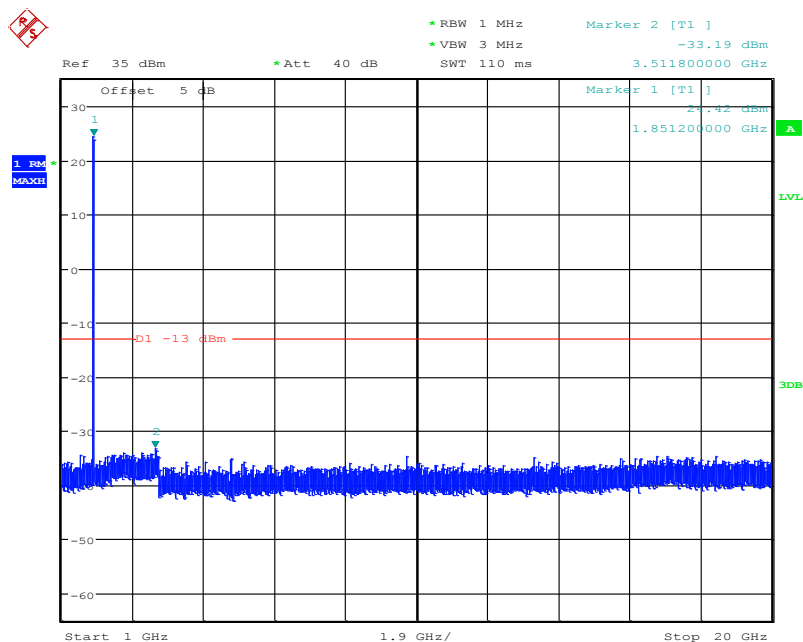
## 6. Spurious Emission at Antenna Terminal

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  $< RBW/2$  so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points =  $k * (\text{Span} / RBW)$ " 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.

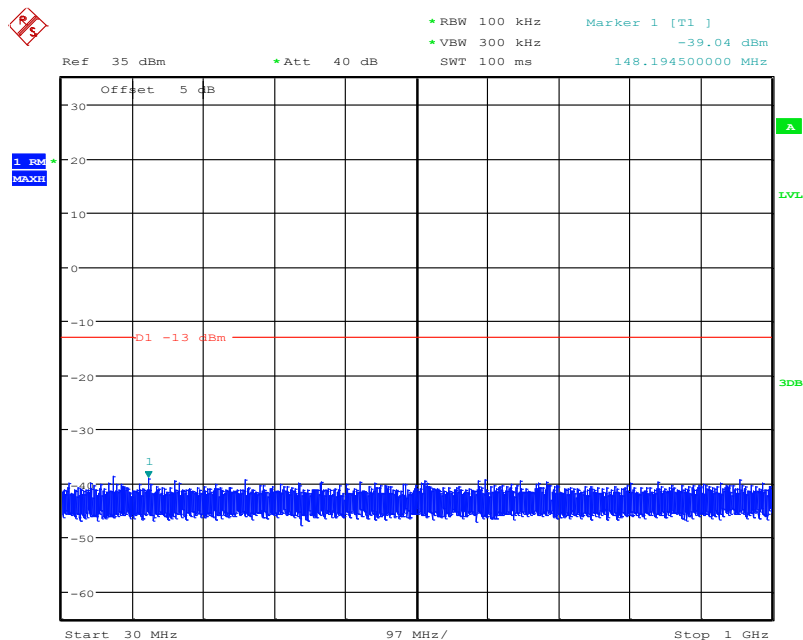
### 6.1. Test Plots



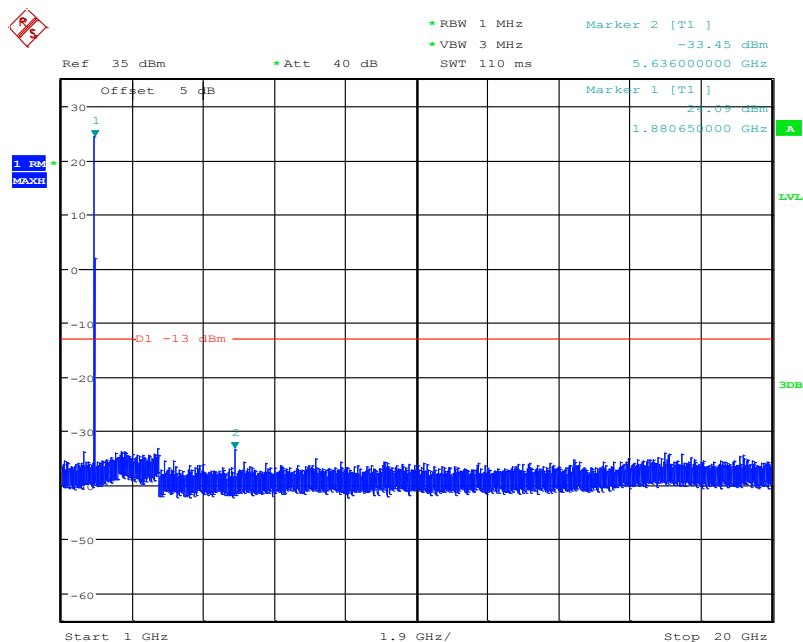


Date: 21.DEC.2018 16:16:27

## Band II 9400

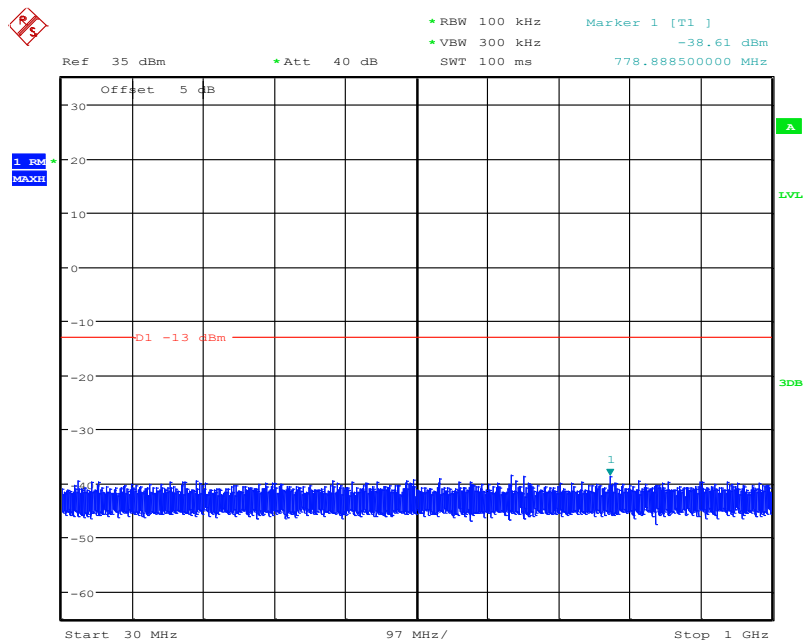


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Date: 21.DEC.2018 16:14:46

### Band II\_9538

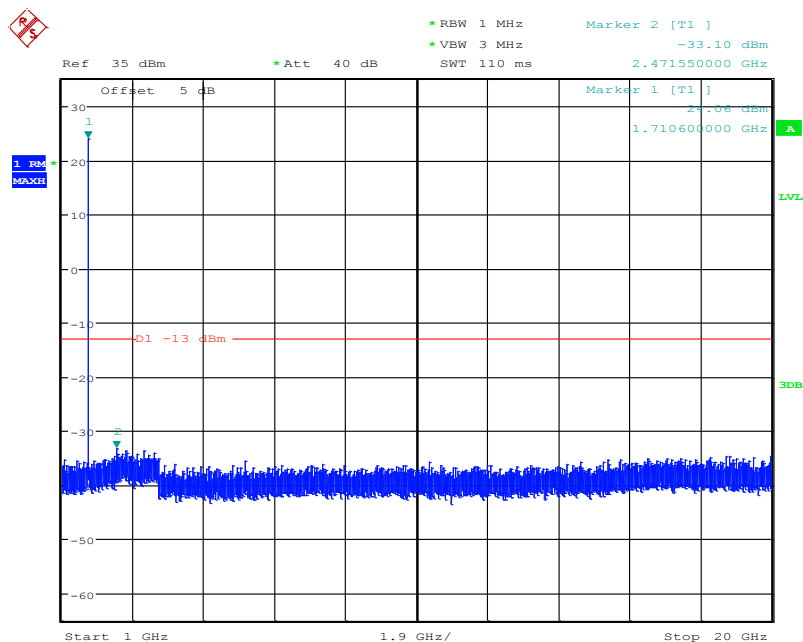


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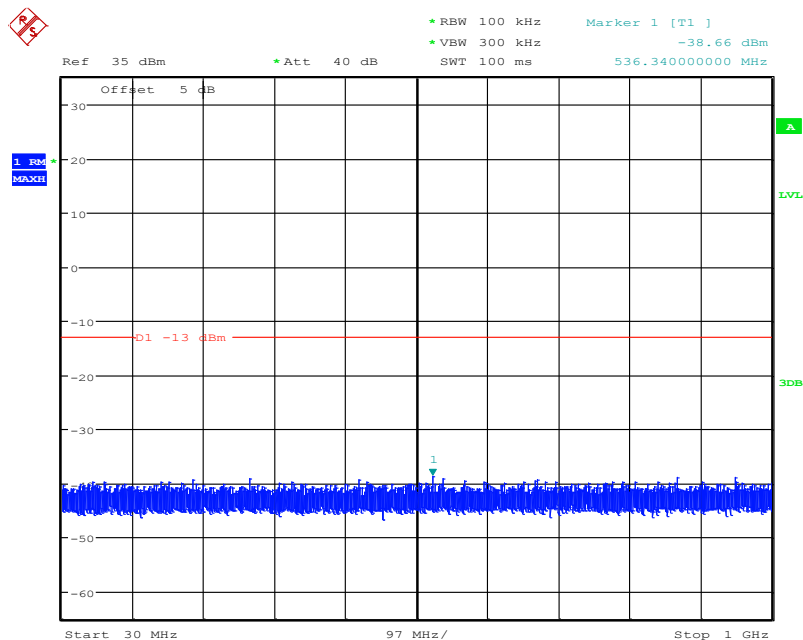
## Band IV 1312



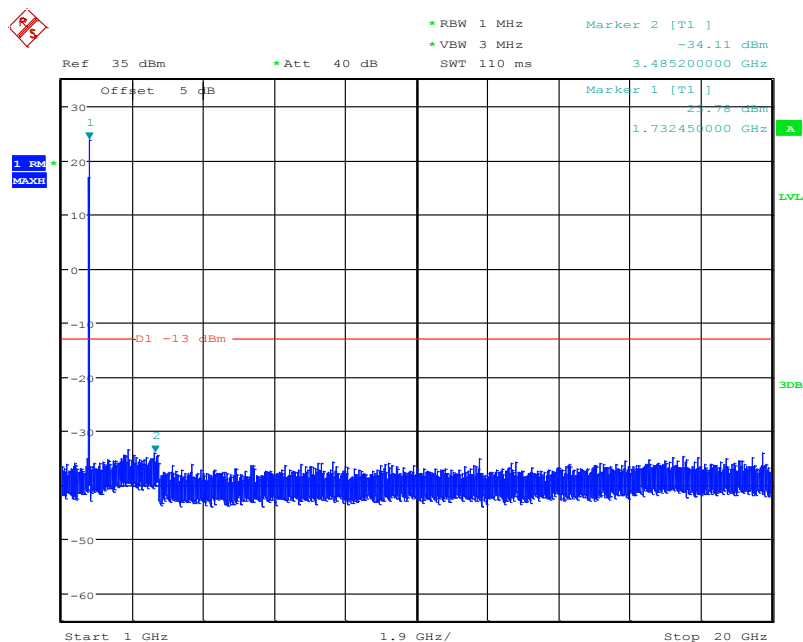


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## Band IV 1413

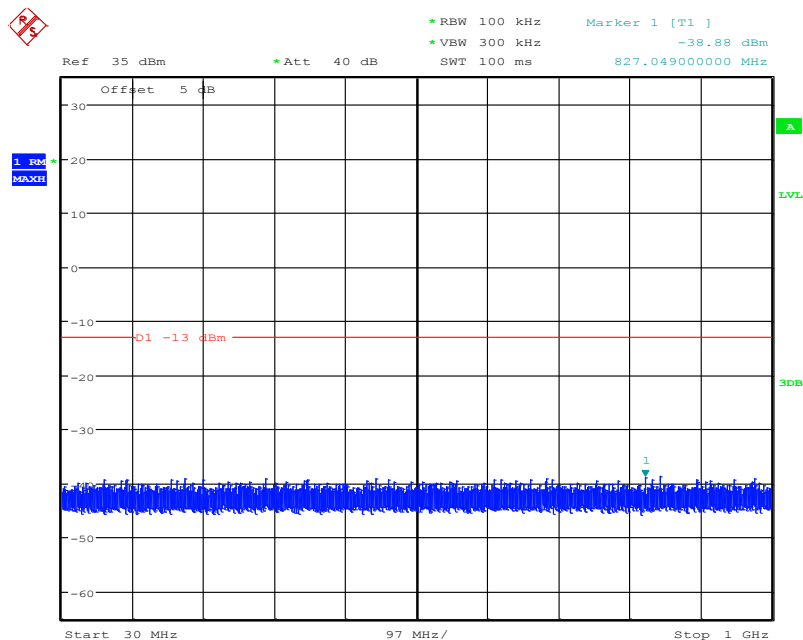


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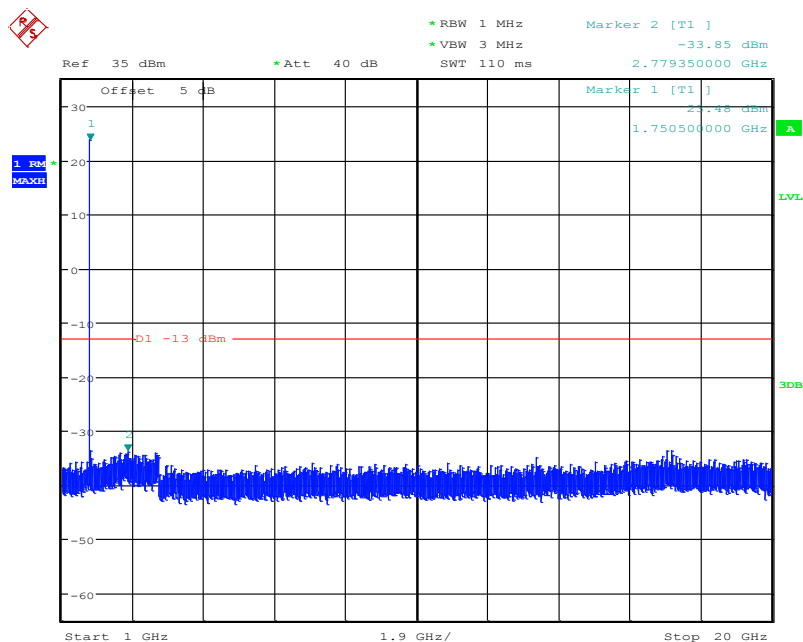


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## Band IV\_1513

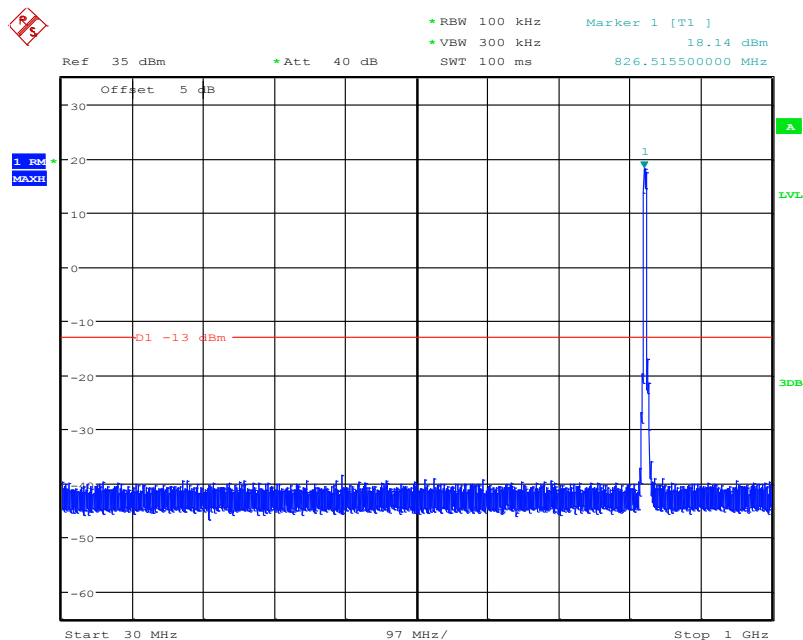


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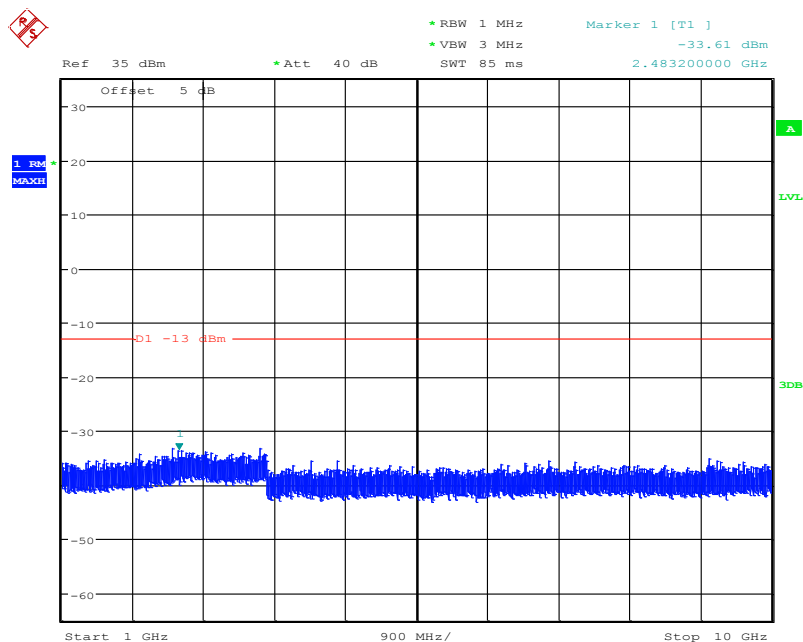


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### Band V\_4132

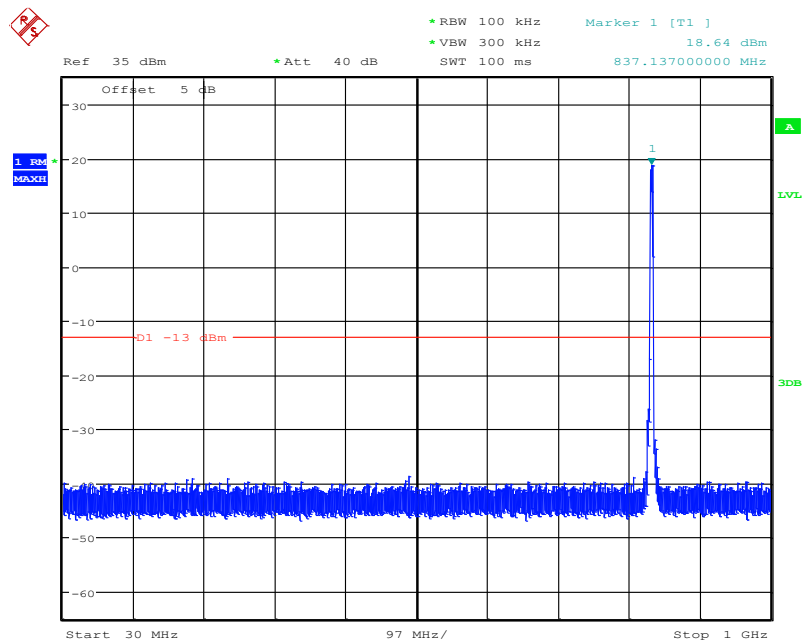


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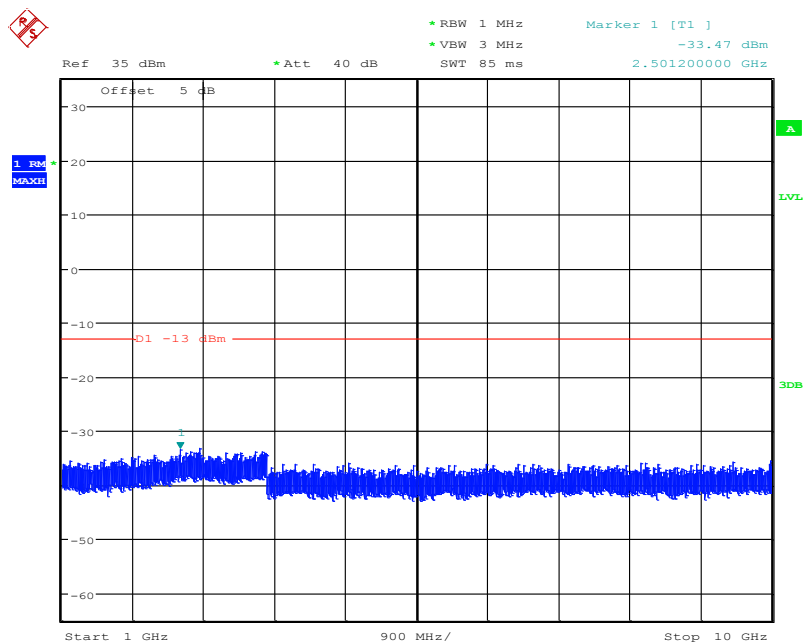


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#### Band V\_4182

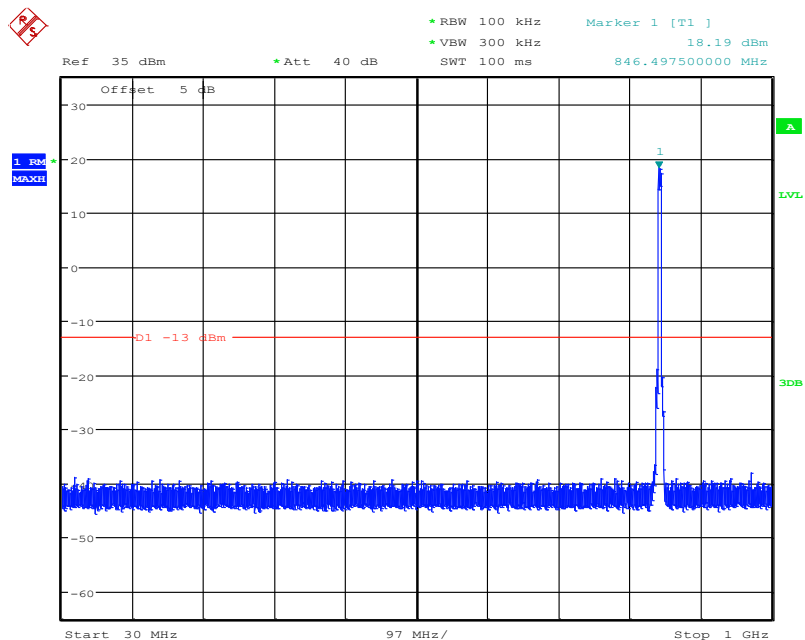


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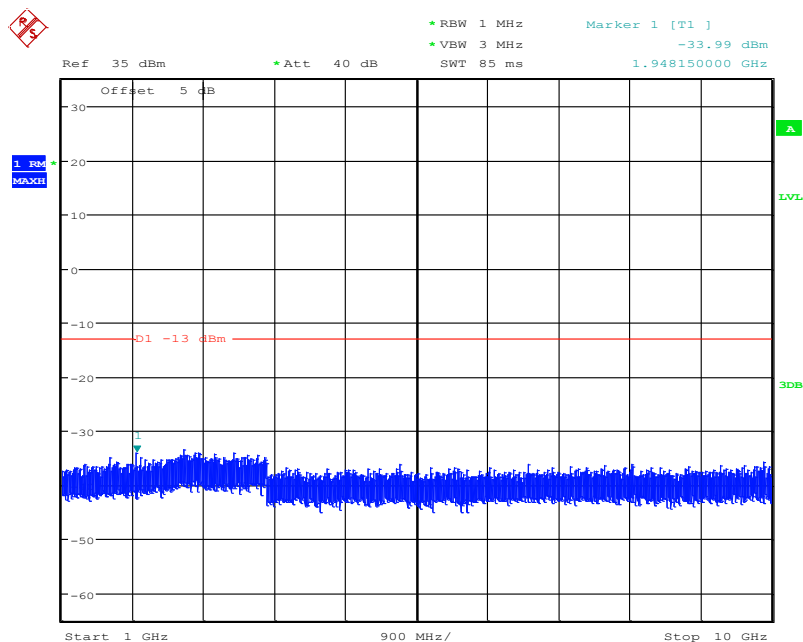


Date: 21.DEC.2018 16:29:54

### Band V\_4233



Date: 21.DEC.2018 16:26:20



Date: 21.DEC.2018 16:31:18



## 7. Field Strength of Spurious Radiation

### 7.1. For WCDMA

#### 7.1.1. Test Band = WCDMA BAND II

##### 7.1.1.1. Test Mode = UMTS/TM1

##### 7.1.1.1.1. Test Channel = LCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 105.300000      | -81.12      | -13.00           | 68.12       | Vertical     |
| 3706.387500     | -65.46      | -13.00           | 52.46       | Vertical     |
| 5559.862500     | -59.67      | -13.00           | 46.67       | Vertical     |
| 7406.512500     | -58.52      | -13.00           | 45.52       | Vertical     |
| 9266.325000     | -59.36      | -13.00           | 46.36       | Vertical     |
| 11108.587500    | -61.97      | -13.00           | 48.97       | Vertical     |
| 63.200000       | -77.36      | -13.00           | 64.36       | Horizontal   |
| 3706.387500     | -64.53      | -13.00           | 51.53       | Horizontal   |
| 5559.862500     | -63.82      | -13.00           | 50.82       | Horizontal   |
| 7412.362500     | -58.86      | -13.00           | 45.86       | Horizontal   |
| 9257.550000     | -58.47      | -13.00           | 45.47       | Horizontal   |
| 12293.212500    | -62.68      | -13.00           | 49.68       | Horizontal   |

##### 7.1.1.1.2. Test Channel = MCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 63.350000       | -81.71      | -13.00           | 68.71       | Vertical     |
| 104.250000      | -67.06      | -13.00           | 54.06       | Vertical     |
| 3758.550000     | -67.45      | -13.00           | 54.45       | Vertical     |
| 5636.887500     | -60.17      | -13.00           | 47.17       | Vertical     |
| 7523.025000     | -58.26      | -13.00           | 45.26       | Vertical     |
| 9404.287500     | -61.12      | -13.00           | 48.12       | Vertical     |
| 63.050000       | -77.40      | -13.00           | 64.40       | Horizontal   |
| 104.300000      | -77.73      | -13.00           | 64.73       | Horizontal   |
| 443.550000      | -80.82      | -13.00           | 67.82       | Horizontal   |
| 3758.062500     | -64.14      | -13.00           | 51.14       | Horizontal   |
| 5636.887500     | -64.06      | -13.00           | 51.06       | Horizontal   |
| 7523.025000     | -58.05      | -13.00           | 45.05       | Horizontal   |



**7.1.1.1.3. Test Channel = HCH**

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 105.900000      | -80.43      | -13.00           | 67.43       | Vertical     |
| 3816.562500     | -63.94      | -13.00           | 50.94       | Vertical     |
| 5725.612500     | -56.90      | -13.00           | 43.90       | Vertical     |
| 7633.200000     | -54.23      | -13.00           | 41.23       | Vertical     |
| 9542.737500     | -57.43      | -13.00           | 44.43       | Vertical     |
| 11440.087500    | -60.85      | -13.00           | 47.85       | Vertical     |
| 62.750000       | -77.41      | -13.00           | 64.41       | Horizontal   |
| 3816.562500     | -62.69      | -13.00           | 49.69       | Horizontal   |
| 5725.612500     | -62.93      | -13.00           | 49.93       | Horizontal   |
| 7633.200000     | -56.57      | -13.00           | 43.57       | Horizontal   |
| 9542.250000     | -59.94      | -13.00           | 46.94       | Horizontal   |
| 11443.500000    | -62.66      | -13.00           | 49.66       | Horizontal   |

**7.1.2. Test Band = WCDMA BAND IV**

**7.1.2.1. Test Mode = UMTS/TM1**

**7.1.2.1.1. Test Channel = LCH**

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 63.800000       | -81.63      | -13.00           | 68.63       | Vertical     |
| 126.650000      | -80.80      | -13.00           | 67.80       | Vertical     |
| 3423.150000     | -66.82      | -13.00           | 53.82       | Vertical     |
| 6050.775000     | -64.73      | -13.00           | 51.73       | Vertical     |
| 7956.900000     | -63.39      | -13.00           | 50.39       | Vertical     |
| 11979.750000    | -62.14      | -13.00           | 49.14       | Vertical     |
| 56.450000       | -77.56      | -13.00           | 64.56       | Horizontal   |
| 104.300000      | -82.25      | -13.00           | 69.25       | Horizontal   |
| 3423.150000     | -65.89      | -13.00           | 52.89       | Horizontal   |
| 6050.775000     | -64.81      | -13.00           | 51.81       | Horizontal   |
| 7956.412500     | -63.43      | -13.00           | 50.43       | Horizontal   |
| 10626.450000    | -62.60      | -13.00           | 49.60       | Horizontal   |



#### 7.1.2.1.2. Test Channel = MCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 64.500000       | -81.56      | -13.00           | 68.56       | Vertical     |
| 104.900000      | -80.80      | -13.00           | 67.80       | Vertical     |
| 3463.125000     | -68.01      | -13.00           | 55.01       | Vertical     |
| 5194.237500     | -65.97      | -13.00           | 52.97       | Vertical     |
| 6926.325000     | -63.90      | -13.00           | 50.90       | Vertical     |
| 10612.800000    | -62.50      | -13.00           | 49.50       | Vertical     |
| 63.450000       | -77.22      | -13.00           | 64.22       | Horizontal   |
| 104.300000      | -81.88      | -13.00           | 68.88       | Horizontal   |
| 3466.537500     | -67.57      | -13.00           | 54.57       | Horizontal   |
| 5048.962500     | -66.08      | -13.00           | 53.08       | Horizontal   |
| 6927.300000     | -64.31      | -13.00           | 51.31       | Horizontal   |
| 10613.287500    | -62.55      | -13.00           | 49.55       | Horizontal   |

#### 7.1.2.1.3. Test Channel = HCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 64.400000       | -81.61      | -13.00           | 68.61       | Vertical     |
| 105.050000      | -80.96      | -13.00           | 67.96       | Vertical     |
| 4283.100000     | -66.80      | -13.00           | 53.80       | Vertical     |
| 6047.850000     | -64.83      | -13.00           | 51.83       | Vertical     |
| 7962.262500     | -63.46      | -13.00           | 50.46       | Vertical     |
| 10638.637500    | -62.38      | -13.00           | 49.38       | Vertical     |
| 62.500000       | -77.06      | -13.00           | 64.06       | Horizontal   |
| 104.300000      | -79.43      | -13.00           | 66.43       | Horizontal   |
| 3506.512500     | -68.15      | -13.00           | 55.15       | Horizontal   |
| 4315.275000     | -66.31      | -13.00           | 53.31       | Horizontal   |
| 7246.612500     | -64.02      | -13.00           | 51.02       | Horizontal   |
| 10619.625000    | -62.34      | -13.00           | 49.34       | Horizontal   |



### 7.1.3. Test Band = WCDMA BAND V

#### 7.1.3.1. Test Mode = UMTS/TM1

##### 7.1.3.1.1. Test Channel = LCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 65.400000       | -81.55      | -13.00           | 68.55       | Vertical     |
| 106.550000      | -80.92      | -13.00           | 67.92       | Vertical     |
| 1655.000000     | -64.95      | -13.00           | 51.95       | Vertical     |
| 2476.000000     | -58.12      | -13.00           | 45.12       | Vertical     |
| 4127.587500     | -64.11      | -13.00           | 51.11       | Vertical     |
| 7954.462500     | -63.59      | -13.00           | 50.59       | Vertical     |
| 62.950000       | -77.27      | -13.00           | 64.27       | Horizontal   |
| 106.550000      | -83.20      | -13.00           | 70.20       | Horizontal   |
| 1651.000000     | -65.07      | -13.00           | 52.07       | Horizontal   |
| 2476.000000     | -57.71      | -13.00           | 44.71       | Horizontal   |
| 4127.587500     | -65.64      | -13.00           | 52.64       | Horizontal   |
| 7597.125000     | -64.96      | -13.00           | 51.96       | Horizontal   |

##### 7.1.3.1.2. Test Channel = MCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 63.600000       | -81.29      | -13.00           | 68.29       | Vertical     |
| 104.900000      | -80.77      | -13.00           | 67.77       | Vertical     |
| 1674.500000     | -62.60      | -13.00           | 49.60       | Vertical     |
| 2512.000000     | -55.59      | -13.00           | 42.59       | Vertical     |
| 4186.087500     | -64.90      | -13.00           | 51.90       | Vertical     |
| 7851.112500     | -63.89      | -13.00           | 50.89       | Vertical     |
| 62.750000       | -77.34      | -13.00           | 64.34       | Horizontal   |
| 104.300000      | -80.81      | -13.00           | 67.81       | Horizontal   |
| 1675.500000     | -64.88      | -13.00           | 51.88       | Horizontal   |
| 2506.500000     | -57.17      | -13.00           | 44.17       | Horizontal   |
| 3348.075000     | -68.75      | -13.00           | 55.75       | Horizontal   |
| 7965.675000     | -63.57      | -13.00           | 50.57       | Horizontal   |



#### 7.1.3.1.3. Test Channel = HCH

| Frequency (MHz) | Level (dBm) | Limit Line (dBm) | Margin (dB) | Polarization |
|-----------------|-------------|------------------|-------------|--------------|
| 64.600000       | -81.73      | -13.00           | 68.73       | Vertical     |
| 90.500000       | -82.03      | -13.00           | 69.03       | Vertical     |
| 1695.000000     | -63.22      | -13.00           | 50.22       | Vertical     |
| 2537.000000     | -54.33      | -13.00           | 41.33       | Vertical     |
| 4228.012500     | -63.80      | -13.00           | 50.80       | Vertical     |
| 7854.525000     | -63.75      | -13.00           | 50.75       | Vertical     |
| 63.000000       | -77.15      | -13.00           | 64.15       | Horizontal   |
| 104.250000      | -82.50      | -13.00           | 69.50       | Horizontal   |
| 1695.000000     | -64.25      | -13.00           | 51.25       | Horizontal   |
| 2537.000000     | -57.71      | -13.00           | 44.71       | Horizontal   |
| 3383.175000     | -68.25      | -13.00           | 55.25       | Horizontal   |
| 7954.462500     | -63.62      | -13.00           | 50.62       | Horizontal   |

Remark:

- 1) The disturbance above 12.75GHz and 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.
- 2) We have tested all modulation and all Bandwidth , but only the worst case data presented in this report.



## 8. Frequency Stability

### 8.1. Frequency Vs Voltage

| Voltage |         |               |                  |                |                 |             |         |
|---------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| BAND    | Channel | Voltage (Vdc) | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band II | 9262    | VL            | TN               | 0.62           | 0.000332        | ±2.5        | PASS    |
| Band II | 9262    | VN            | TN               | -7.11          | -0.003836       | ±2.5        | PASS    |
| Band II | 9262    | VH            | TN               | 4.16           | 0.002244        | ±2.5        | PASS    |
| Band II | 9400    | VL            | TN               | 5.64           | 0.002999        | ±2.5        | PASS    |
| Band II | 9400    | VN            | TN               | 6.97           | 0.003708        | ±2.5        | PASS    |
| Band II | 9400    | VH            | TN               | 0.14           | 0.000077        | ±2.5        | PASS    |
| Band II | 9538    | VL            | TN               | 7.91           | 0.004146        | ±2.5        | PASS    |
| Band II | 9538    | VN            | TN               | -0.40          | -0.000212       | ±2.5        | PASS    |
| Band II | 9538    | VH            | TN               | 12.88          | 0.006754        | ±2.5        | PASS    |
| Band IV | 1312    | VL            | TN               | -1.21          | -0.001461       | ±2.5        | PASS    |
| Band IV | 1312    | VN            | TN               | -1.72          | -0.002076       | ±2.5        | PASS    |
| Band IV | 1312    | VH            | TN               | -3.75          | -0.004538       | ±2.5        | PASS    |
| Band IV | 1413    | VL            | TN               | 0.78           | 0.000931        | ±2.5        | PASS    |
| Band IV | 1413    | VN            | TN               | -13.31         | -0.015918       | ±2.5        | PASS    |
| Band IV | 1413    | VH            | TN               | -3.62          | -0.004330       | ±2.5        | PASS    |
| Band IV | 1513    | VL            | TN               | 12.95          | 0.015295        | ±2.5        | PASS    |
| Band IV | 1513    | VN            | TN               | -8.41          | -0.009931       | ±2.5        | PASS    |
| Band IV | 1513    | VH            | TN               | -3.29          | -0.003883       | ±2.5        | PASS    |
| Band V  | 4132    | VL            | TN               | 0.62           | 0.000332        | ±2.5        | PASS    |
| Band V  | 4132    | VN            | TN               | -7.11          | -0.003836       | ±2.5        | PASS    |
| Band V  | 4132    | VH            | TN               | 4.16           | 0.002244        | ±2.5        | PASS    |
| Band V  | 4182    | VL            | TN               | 5.64           | 0.002999        | ±2.5        | PASS    |
| Band V  | 4182    | VN            | TN               | 6.97           | 0.003708        | ±2.5        | PASS    |
| Band V  | 4182    | VH            | TN               | 0.14           | 0.000077        | ±2.5        | PASS    |
| Band V  | 4233    | VL            | TN               | 7.91           | 0.004146        | ±2.5        | PASS    |
| Band V  | 4233    | VN            | TN               | -0.40          | -0.000212       | ±2.5        | PASS    |
| Band V  | 4233    | VH            | TN               | 12.88          | 0.006754        | ±2.5        | PASS    |

### 8.2. Frequency Vs Temperature

| Temperature |         |               |                  |                |                 |             |         |
|-------------|---------|---------------|------------------|----------------|-----------------|-------------|---------|
| BAND        | Channel | Voltage (Vdc) | Temperature (°C) | Deviation (Hz) | Deviation (ppm) | Limit (ppm) | Verdict |
| Band II     | 9262    | VN            | -30              | 6.17           | 0.003329        | ±2.5        | PASS    |
| Band II     | 9262    | VN            | -20              | 13.62          | 0.007355        | ±2.5        | PASS    |
| Band II     | 9262    | VN            | -10              | -1.94          | -0.001046       | ±2.5        | PASS    |
| Band II     | 9262    | VN            | 0                | -5.50          | -0.002969       | ±2.5        | PASS    |
| Band II     | 9262    | VN            | 10               | 10.97          | 0.005923        | ±2.5        | PASS    |
| Band II     | 9262    | VN            | 20               | -12.38         | -0.006686       | ±2.5        | PASS    |
| Band II     | 9262    | VN            | 30               | -8.36          | -0.004510       | ±2.5        | PASS    |
| Band II     | 9262    | VN            | 40               | 9.17           | 0.004950        | ±2.5        | PASS    |
| Band II     | 9262    | VN            | 50               | -0.57          | -0.000305       | ±2.5        | PASS    |
| Band II     | 9400    | VN            | -30              | -4.28          | -0.002277       | ±2.5        | PASS    |



|         |      |    |     |        |           |      |      |
|---------|------|----|-----|--------|-----------|------|------|
| Band II | 9400 | VN | -20 | 6.00   | 0.003192  | ±2.5 | PASS |
| Band II | 9400 | VN | -10 | -14.86 | -0.007904 | ±2.5 | PASS |
| Band II | 9400 | VN | 0   | 1.19   | 0.000635  | ±2.5 | PASS |
| Band II | 9400 | VN | 10  | -6.80  | -0.003615 | ±2.5 | PASS |
| Band II | 9400 | VN | 20  | -7.44  | -0.003958 | ±2.5 | PASS |
| Band II | 9400 | VN | 30  | -14.19 | -0.007547 | ±2.5 | PASS |
| Band II | 9400 | VN | 40  | 7.31   | 0.003886  | ±2.5 | PASS |
| Band II | 9400 | VN | 50  | -14.77 | -0.007858 | ±2.5 | PASS |
| Band II | 9538 | VN | -30 | -1.99  | -0.001041 | ±2.5 | PASS |
| Band II | 9538 | VN | -20 | 9.06   | 0.004750  | ±2.5 | PASS |
| Band II | 9538 | VN | -10 | 11.63  | 0.006097  | ±2.5 | PASS |
| Band II | 9538 | VN | 0   | -10.75 | -0.005636 | ±2.5 | PASS |
| Band II | 9538 | VN | 10  | 3.20   | 0.001676  | ±2.5 | PASS |
| Band II | 9538 | VN | 20  | 6.04   | 0.003167  | ±2.5 | PASS |
| Band II | 9538 | VN | 30  | 5.01   | 0.002627  | ±2.5 | PASS |
| Band II | 9538 | VN | 40  | 0.38   | 0.000199  | ±2.5 | PASS |
| Band II | 9538 | VN | 50  | 6.25   | 0.003278  | ±2.5 | PASS |
| Band IV | 1312 | VN | -30 | -11.05 | -0.013377 | ±2.5 | PASS |
| Band IV | 1312 | VN | -20 | 5.61   | 0.006794  | ±2.5 | PASS |
| Band IV | 1312 | VN | -10 | 8.39   | 0.010157  | ±2.5 | PASS |
| Band IV | 1312 | VN | 0   | 11.30  | 0.013675  | ±2.5 | PASS |
| Band IV | 1312 | VN | 10  | -12.94 | -0.015652 | ±2.5 | PASS |
| Band IV | 1312 | VN | 20  | 12.81  | 0.015503  | ±2.5 | PASS |
| Band IV | 1312 | VN | 30  | 12.84  | 0.015534  | ±2.5 | PASS |
| Band IV | 1312 | VN | 40  | -9.68  | -0.011713 | ±2.5 | PASS |
| Band IV | 1312 | VN | 50  | 11.84  | 0.014333  | ±2.5 | PASS |
| Band IV | 1413 | VN | -30 | 8.91   | 0.010649  | ±2.5 | PASS |
| Band IV | 1413 | VN | -20 | 0.43   | 0.000512  | ±2.5 | PASS |
| Band IV | 1413 | VN | -10 | 14.98  | 0.017912  | ±2.5 | PASS |
| Band IV | 1413 | VN | 0   | 11.34  | 0.013562  | ±2.5 | PASS |
| Band IV | 1413 | VN | 10  | 7.71   | 0.009216  | ±2.5 | PASS |
| Band IV | 1413 | VN | 20  | -11.18 | -0.013367 | ±2.5 | PASS |
| Band IV | 1413 | VN | 30  | 1.67   | 0.001994  | ±2.5 | PASS |
| Band IV | 1413 | VN | 40  | 11.06  | 0.013227  | ±2.5 | PASS |
| Band IV | 1413 | VN | 50  | -2.45  | -0.002929 | ±2.5 | PASS |
| Band IV | 1513 | VN | -30 | 5.41   | 0.006387  | ±2.5 | PASS |
| Band IV | 1513 | VN | -20 | -12.22 | -0.014436 | ±2.5 | PASS |
| Band IV | 1513 | VN | -10 | 2.05   | 0.002420  | ±2.5 | PASS |
| Band IV | 1513 | VN | 0   | -12.25 | -0.014474 | ±2.5 | PASS |
| Band IV | 1513 | VN | 10  | 5.94   | 0.007012  | ±2.5 | PASS |
| Band IV | 1513 | VN | 20  | 3.80   | 0.004485  | ±2.5 | PASS |
| Band IV | 1513 | VN | 30  | 1.09   | 0.001292  | ±2.5 | PASS |
| Band IV | 1513 | VN | 40  | 5.75   | 0.006787  | ±2.5 | PASS |
| Band IV | 1513 | VN | 50  | 0.46   | 0.000544  | ±2.5 | PASS |
| Band V  | 4132 | VN | -30 | 6.17   | 0.003329  | ±2.5 | PASS |
| Band V  | 4132 | VN | -20 | 13.62  | 0.007355  | ±2.5 | PASS |
| Band V  | 4132 | VN | -10 | -1.94  | -0.001046 | ±2.5 | PASS |
| Band V  | 4132 | VN | 0   | -5.50  | -0.002969 | ±2.5 | PASS |
| Band V  | 4132 | VN | 10  | 10.97  | 0.005923  | ±2.5 | PASS |
| Band V  | 4132 | VN | 20  | -12.38 | -0.006686 | ±2.5 | PASS |
| Band V  | 4132 | VN | 30  | -8.36  | -0.004510 | ±2.5 | PASS |



|        |      |    |     |        |           |      |      |
|--------|------|----|-----|--------|-----------|------|------|
| Band V | 4132 | VN | 40  | 9.17   | 0.004950  | ±2.5 | PASS |
| Band V | 4132 | VN | 50  | -0.57  | -0.000305 | ±2.5 | PASS |
| Band V | 4182 | VN | -30 | -4.28  | -0.002277 | ±2.5 | PASS |
| Band V | 4182 | VN | -20 | 6.00   | 0.003192  | ±2.5 | PASS |
| Band V | 4182 | VN | -10 | -14.86 | -0.007904 | ±2.5 | PASS |
| Band V | 4182 | VN | 0   | 1.19   | 0.000635  | ±2.5 | PASS |
| Band V | 4182 | VN | 10  | -6.80  | -0.003615 | ±2.5 | PASS |
| Band V | 4182 | VN | 20  | -7.44  | -0.003958 | ±2.5 | PASS |
| Band V | 4182 | VN | 30  | -14.19 | -0.007547 | ±2.5 | PASS |
| Band V | 4182 | VN | 40  | 7.31   | 0.003886  | ±2.5 | PASS |
| Band V | 4182 | VN | 50  | -14.77 | -0.007858 | ±2.5 | PASS |
| Band V | 4233 | VN | -30 | -1.99  | -0.001041 | ±2.5 | PASS |
| Band V | 4233 | VN | -20 | 9.06   | 0.004750  | ±2.5 | PASS |
| Band V | 4233 | VN | -10 | 11.63  | 0.006097  | ±2.5 | PASS |
| Band V | 4233 | VN | 0   | -10.75 | -0.005636 | ±2.5 | PASS |
| Band V | 4233 | VN | 10  | 3.20   | 0.001676  | ±2.5 | PASS |
| Band V | 4233 | VN | 20  | 6.04   | 0.003167  | ±2.5 | PASS |
| Band V | 4233 | VN | 30  | 5.01   | 0.002627  | ±2.5 | PASS |
| Band V | 4233 | VN | 40  | 0.38   | 0.000199  | ±2.5 | PASS |
| Band V | 4233 | VN | 50  | 6.25   | 0.003278  | ±2.5 | PASS |

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The End