



# CTC20192260E02 Appendix for WCDMA BAND5-1 FCC ID: 2AC88-GLMU19A02

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|                                                                  |    |
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## AppendixA: Effective (Isotropic) Radiated Power Output Data

### Test Result

#### WCDMA:

| Band   | Channel | Power(dBm) | Limit(dBm) | Verdict |
|--------|---------|------------|------------|---------|
| Band V | 4132    | 23.91      | 38.5       | PASS    |
| Band V | 4182    | 23.98      | 38.5       | PASS    |
| Band V | 4233    | 23.94      | 38.5       | PASS    |

#### HSDPA:

| Band   | Channel | SubTest    | Power(dBm) | Limit(dBm) | Verdict |
|--------|---------|------------|------------|------------|---------|
| Band V | 4132    | HSDPA_Sub1 | 22.89      | 38.5       | PASS    |
| Band V | 4132    | HSDPA_Sub2 | 22.43      | 38.5       | PASS    |
| Band V | 4132    | HSDPA_Sub3 | 22.37      | 38.5       | PASS    |
| Band V | 4132    | HSDPA_Sub4 | 22.37      | 38.5       | PASS    |
| Band V | 4182    | HSDPA_Sub1 | 22.77      | 38.5       | PASS    |
| Band V | 4182    | HSDPA_Sub2 | 22.32      | 38.5       | PASS    |
| Band V | 4182    | HSDPA_Sub3 | 22.35      | 38.5       | PASS    |
| Band V | 4182    | HSDPA_Sub4 | 22.37      | 38.5       | PASS    |
| Band V | 4233    | HSDPA_Sub1 | 22.75      | 38.5       | PASS    |
| Band V | 4233    | HSDPA_Sub2 | 22.29      | 38.5       | PASS    |
| Band V | 4233    | HSDPA_Sub3 | 22.33      | 38.5       | PASS    |
| Band V | 4233    | HSDPA_Sub4 | 22.33      | 38.5       | PASS    |

#### HSUPA:

| Band   | Channel | SubTest    | Power(dBm) | Limit(dBm) | Verdict |
|--------|---------|------------|------------|------------|---------|
| Band V | 4132    | HSUPA_Sub1 | 22.74      | 38.5       | PASS    |
| Band V | 4132    | HSUPA_Sub2 | 21.95      | 38.5       | PASS    |
| Band V | 4132    | HSUPA_Sub3 | 21.54      | 38.5       | PASS    |
| Band V | 4132    | HSUPA_Sub4 | 22.39      | 38.5       | PASS    |
| Band V | 4132    | HSUPA_Sub5 | 23.01      | 38.5       | PASS    |
| Band V | 4182    | HSUPA_Sub1 | 22.29      | 38.5       | PASS    |
| Band V | 4182    | HSUPA_Sub2 | 21.87      | 38.5       | PASS    |
| Band V | 4182    | HSUPA_Sub3 | 21.49      | 38.5       | PASS    |
| Band V | 4182    | HSUPA_Sub4 | 22.30      | 38.5       | PASS    |
| Band V | 4182    | HSUPA_Sub5 | 22.92      | 38.5       | PASS    |
| Band V | 4233    | HSUPA_Sub1 | 22.56      | 38.5       | PASS    |

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|        |      |            |       |      |      |
|--------|------|------------|-------|------|------|
| Band V | 4233 | HSUPA_Sub2 | 21.71 | 38.5 | PASS |
| Band V | 4233 | HSUPA_Sub3 | 21.35 | 38.5 | PASS |
| Band V | 4233 | HSUPA_Sub4 | 22.11 | 38.5 | PASS |
| Band V | 4233 | HSUPA_Sub5 | 22.85 | 38.5 | PASS |

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## AppendixB:Peak-to-Average Ratio

### Test Result

#### WCDMA:

| Band   | Channel | Peak-to-Average Ratio(dB) | Limit(dB) | Verdict |
|--------|---------|---------------------------|-----------|---------|
| Band V | 4132    | 3.28                      | 13        | PASS    |
| Band V | 4182    | 3.28                      | 13        | PASS    |
| Band V | 4233    | 3.28                      | 13        | PASS    |

#### HSDPA:

| Band   | Channel | SubTest    | Peak-to-Average Ratio(dB) | Limit(dB) | Verdict |
|--------|---------|------------|---------------------------|-----------|---------|
| Band V | 4132    | HSDPA_Sub1 | 3.54                      | 13        | PASS    |
| Band V | 4132    | HSDPA_Sub2 | 4.87                      | 13        | PASS    |
| Band V | 4132    | HSDPA_Sub3 | 5.94                      | 13        | PASS    |
| Band V | 4132    | HSDPA_Sub4 | 9.07                      | 13        | PASS    |
| Band V | 4182    | HSDPA_Sub1 | 3.36                      | 13        | PASS    |
| Band V | 4182    | HSDPA_Sub2 | 3.54                      | 13        | PASS    |
| Band V | 4182    | HSDPA_Sub3 | 3.74                      | 13        | PASS    |
| Band V | 4182    | HSDPA_Sub4 | 4.78                      | 13        | PASS    |
| Band V | 4233    | HSDPA_Sub1 | 3.45                      | 13        | PASS    |
| Band V | 4233    | HSDPA_Sub2 | 5.62                      | 13        | PASS    |
| Band V | 4233    | HSDPA_Sub3 | 4.23                      | 13        | PASS    |
| Band V | 4233    | HSDPA_Sub4 | 6.78                      | 13        | PASS    |

#### HSUPA:

| Band   | Channel | SubTest    | Peak-to-Average Ratio(dB) | Limit(dB) | Verdict |
|--------|---------|------------|---------------------------|-----------|---------|
| Band V | 4132    | HSUPA_Sub1 | 4.84                      | 13        | PASS    |
| Band V | 4132    | HSUPA_Sub2 | 5.22                      | 13        | PASS    |
| Band V | 4132    | HSUPA_Sub3 | 5.54                      | 13        | PASS    |
| Band V | 4132    | HSUPA_Sub4 | 4.84                      | 13        | PASS    |
| Band V | 4132    | HSUPA_Sub5 | 3.59                      | 13        | PASS    |
| Band V | 4182    | HSUPA_Sub1 | 4.75                      | 13        | PASS    |
| Band V | 4182    | HSUPA_Sub2 | 5.13                      | 13        | PASS    |
| Band V | 4182    | HSUPA_Sub3 | 5.57                      | 13        | PASS    |
| Band V | 4182    | HSUPA_Sub4 | 5.22                      | 13        | PASS    |
| Band V | 4182    | HSUPA_Sub5 | 3.59                      | 13        | PASS    |

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|        |      |            |      |    |      |
|--------|------|------------|------|----|------|
| Band V | 4233 | HSUPA_Sub1 | 4.81 | 13 | PASS |
| Band V | 4233 | HSUPA_Sub2 | 5.22 | 13 | PASS |
| Band V | 4233 | HSUPA_Sub3 | 5.65 | 13 | PASS |
| Band V | 4233 | HSUPA_Sub4 | 4.81 | 13 | PASS |
| Band V | 4233 | HSUPA_Sub5 | 3.59 | 13 | PASS |

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## Test Graphs

### WCDMA:

#### Test Case: (WCDMA)Peak-to-Average Ratio

|              |               |                 |
|--------------|---------------|-----------------|
| Band: V      | Channel: 4132 | Value:CCDF:3.28 |
| Result: PASS | Voltage: VN   | Temperature: TN |



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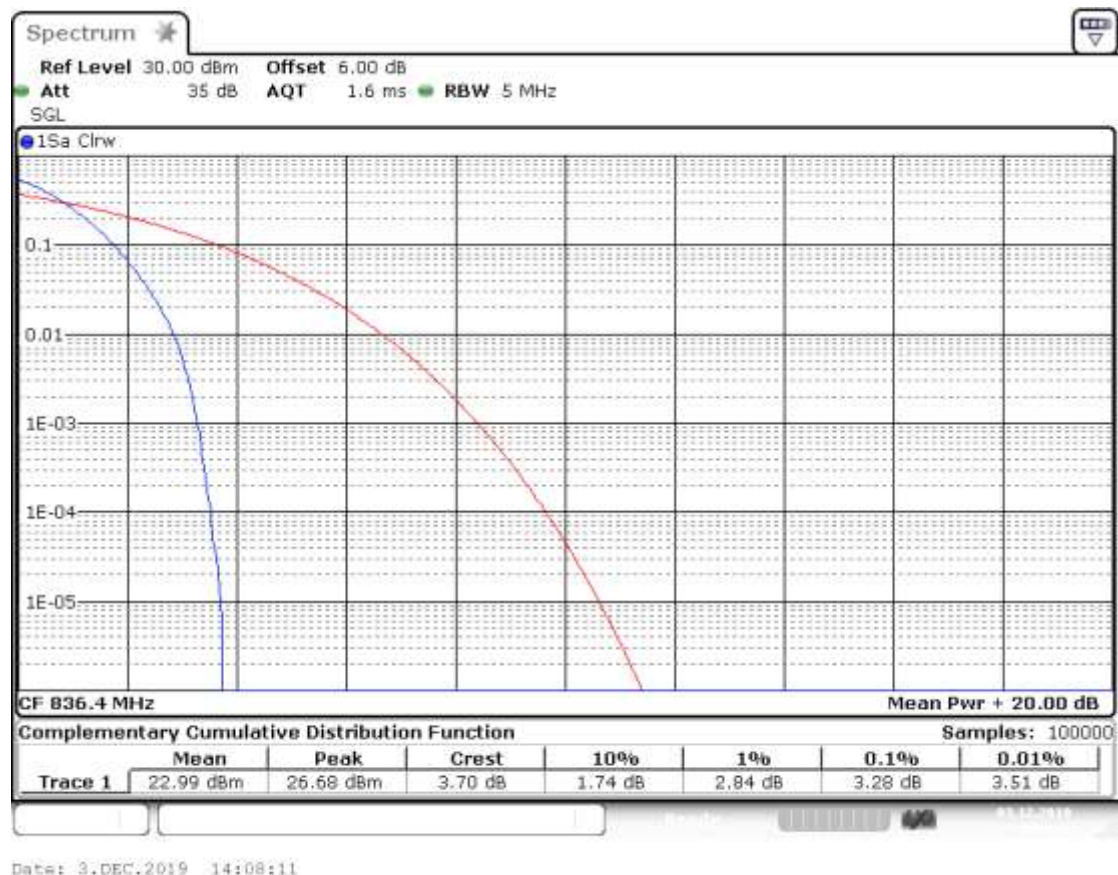
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## Test Case: (WCDMA)Peak-to-Average Ratio

|              |               |                 |
|--------------|---------------|-----------------|
| Band: V      | Channel: 4182 | Value:CCDF:3.28 |
| Result: PASS | Voltage: VN   | Temperature: TN |



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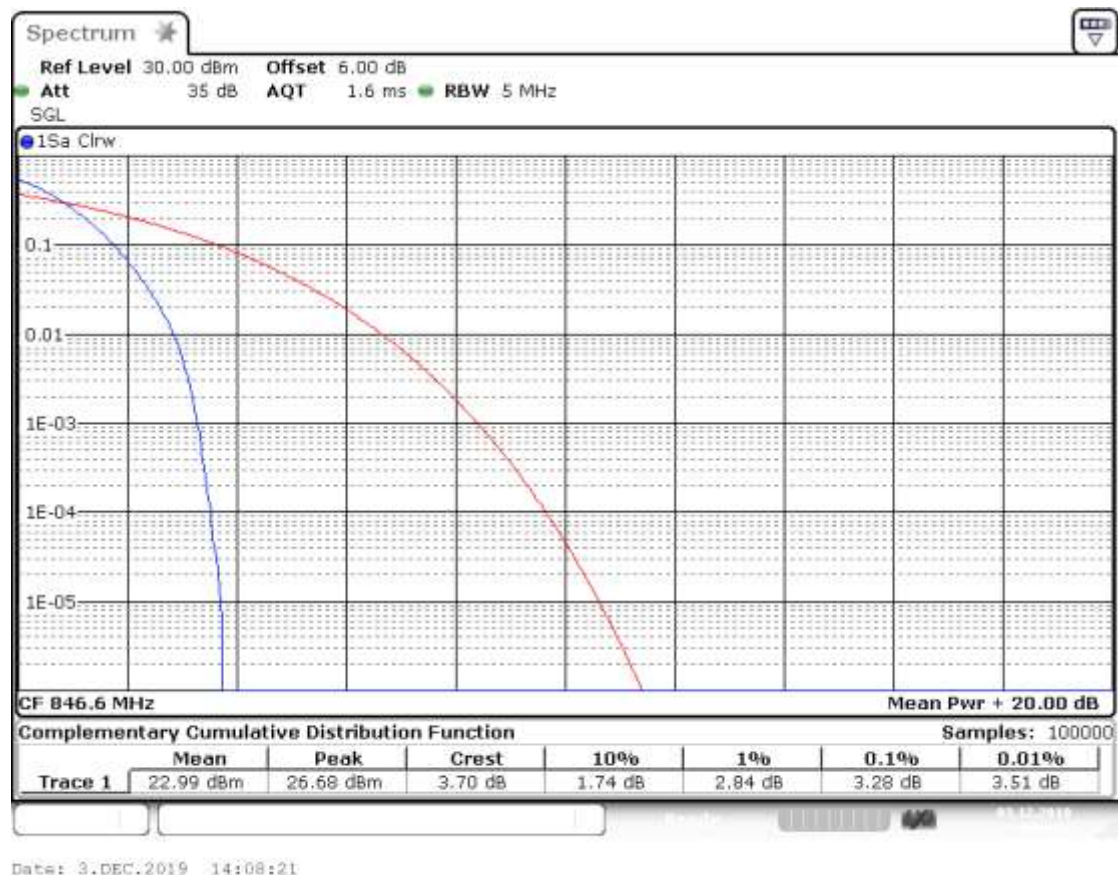
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## Test Case: (WCDMA)Peak-to-Average Ratio

|              |               |                 |
|--------------|---------------|-----------------|
| Band: V      | Channel: 4233 | Value:CCDF:3.28 |
| Result: PASS | Voltage: VN   | Temperature: TN |



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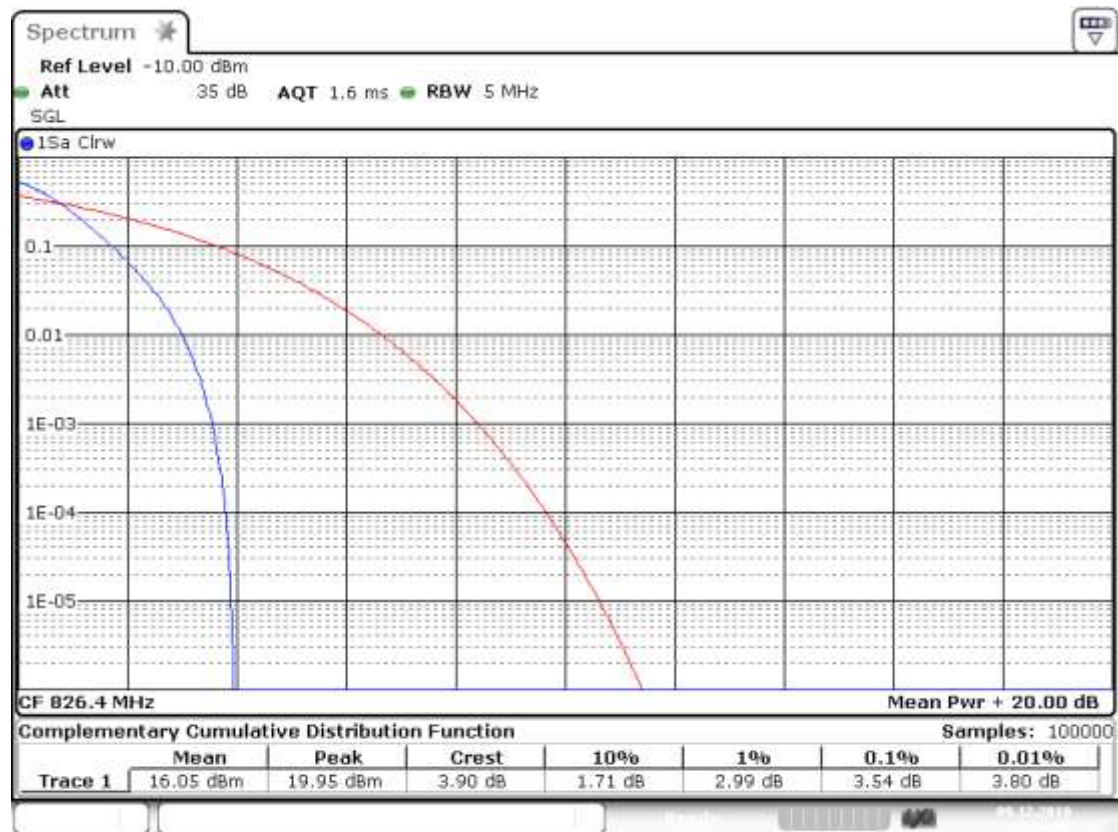
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**HSDPA:****Test Case: HSDPA Peak-to-Average Ratio**

|              |               |                             |
|--------------|---------------|-----------------------------|
| Band: V      | Channel: 4132 | Value: Bc/Bd:2/15 CCDF:3.54 |
| Result: PASS | Voltage: VN   | Temperature: TN             |



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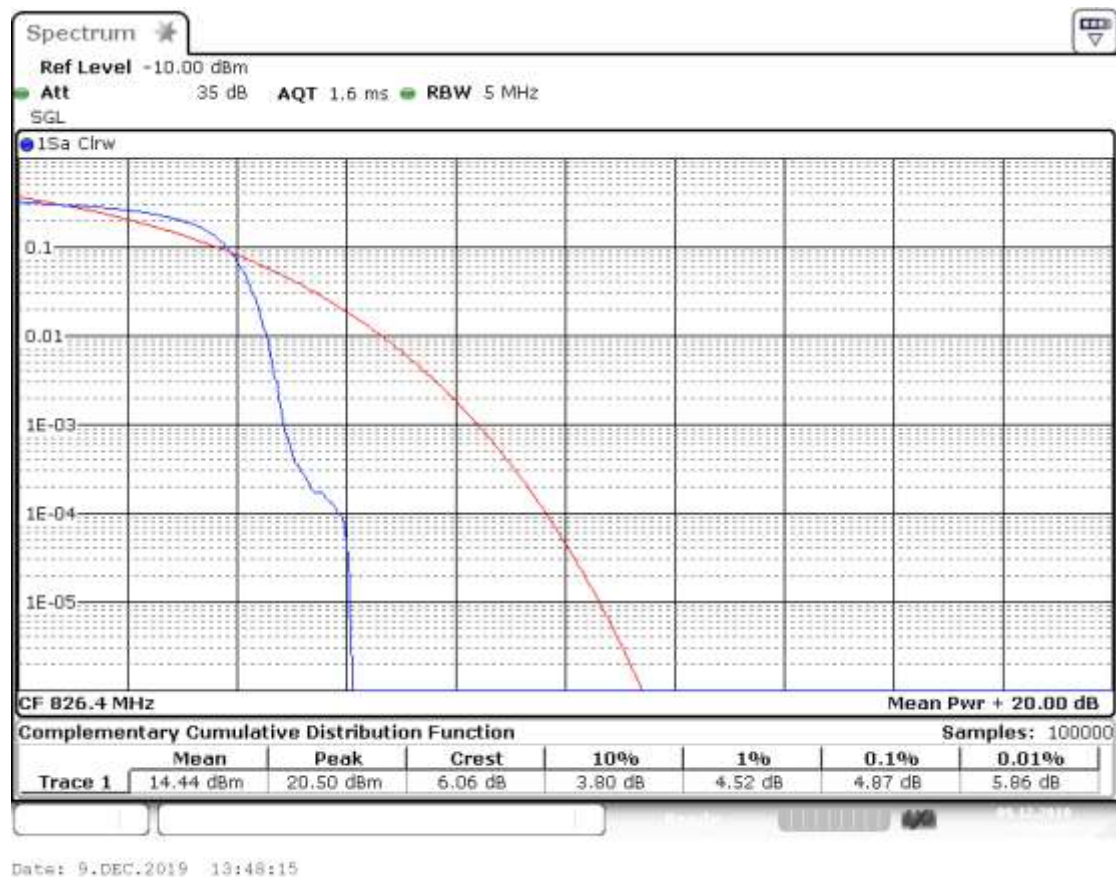
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## Test Case: HSDPA Peak-to-Average Ratio

|              |               |                              |
|--------------|---------------|------------------------------|
| Band: V      | Channel: 4132 | Value: Bc/Bd:12/15 CCDF:4.87 |
| Result: PASS | Voltage: VN   | Temperature: TN              |



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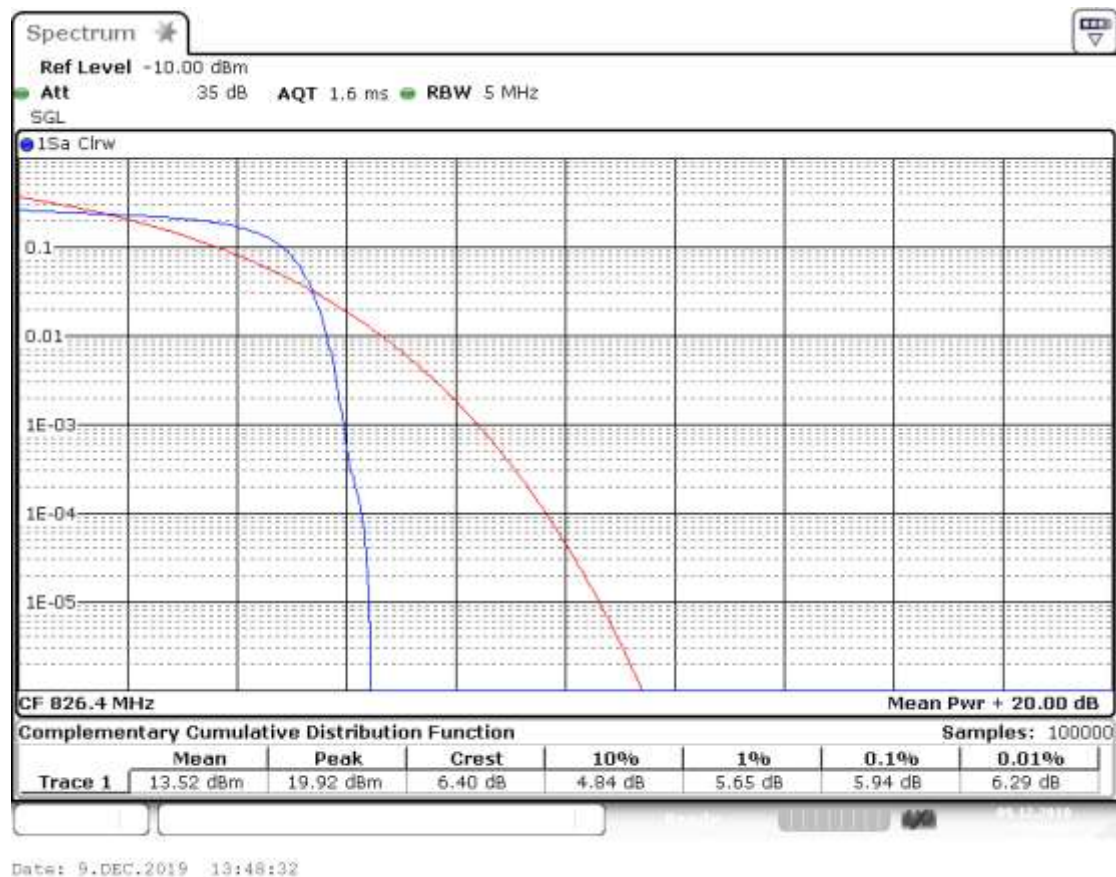
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## Test Case: HSDPA Peak-to-Average Ratio

|              |               |                             |
|--------------|---------------|-----------------------------|
| Band: V      | Channel: 4132 | Value: Bc/Bd:15/8 CCDF:5.94 |
| Result: PASS | Voltage: VN   | Temperature: TN             |



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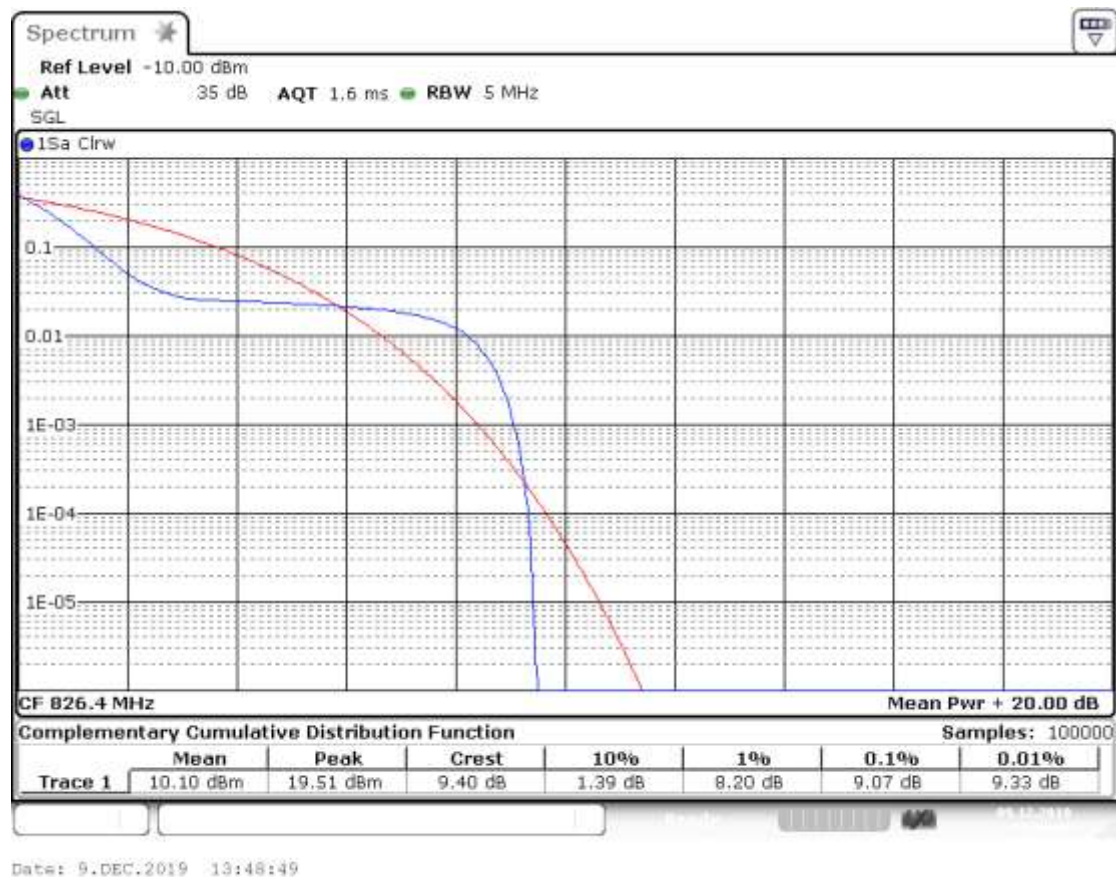


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## Test Case: HSDPA Peak-to-Average Ratio

|              |               |                             |
|--------------|---------------|-----------------------------|
| Band: V      | Channel: 4132 | Value: Bc/Bd:15/4 CCDF:9.07 |
| Result: PASS | Voltage: VN   | Temperature: TN             |



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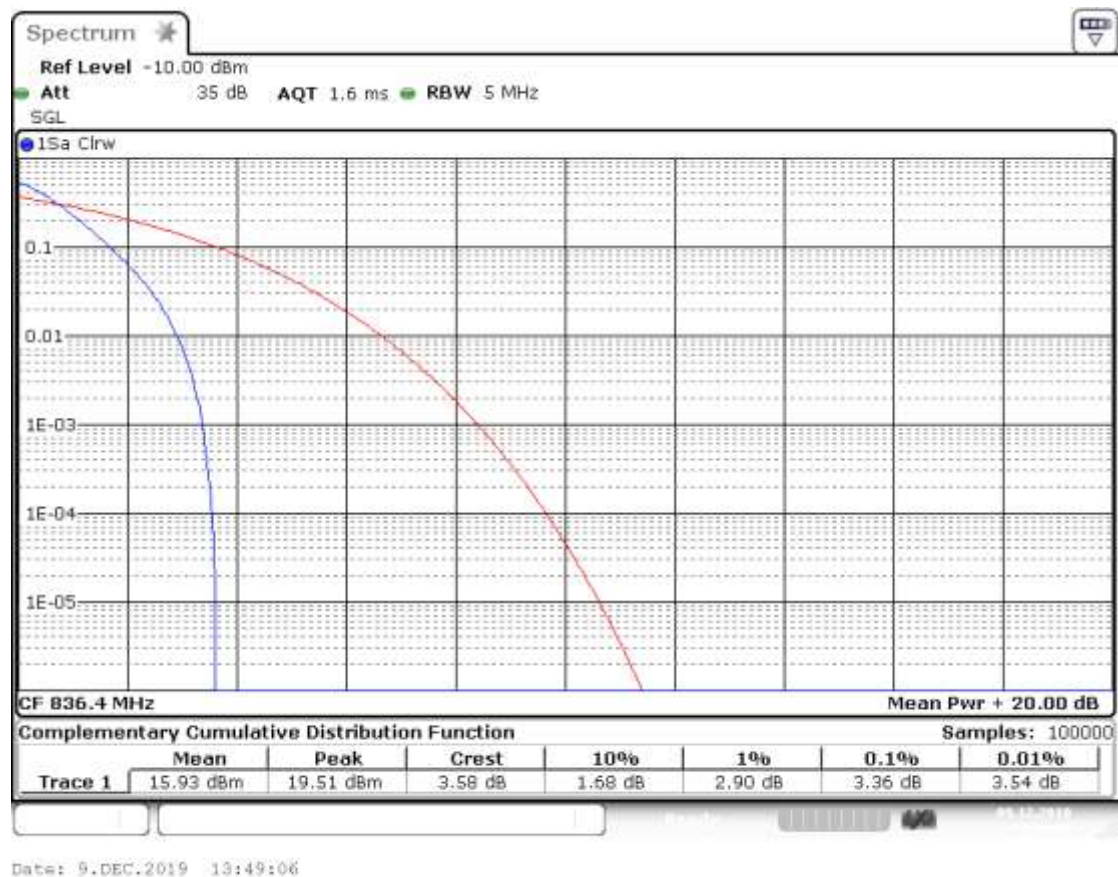


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## Test Case: HSDPA Peak-to-Average Ratio

|              |               |                             |
|--------------|---------------|-----------------------------|
| Band: V      | Channel: 4182 | Value: Bc/Bd:2/15 CCDF:3.36 |
| Result: PASS | Voltage: VN   | Temperature: TN             |



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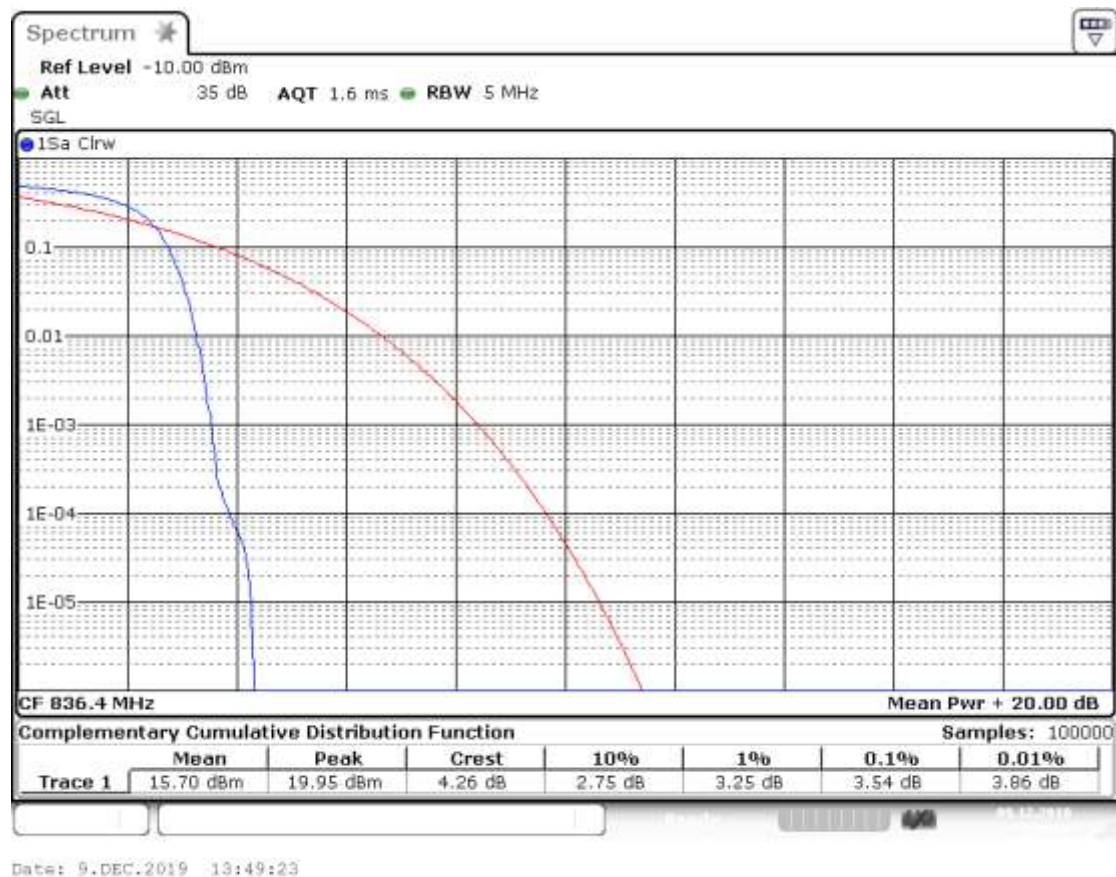


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## Test Case: HSDPA Peak-to-Average Ratio

|              |               |                              |
|--------------|---------------|------------------------------|
| Band: V      | Channel: 4182 | Value: Bc/Bd:12/15 CCDF:3.54 |
| Result: PASS | Voltage: VN   | Temperature: TN              |



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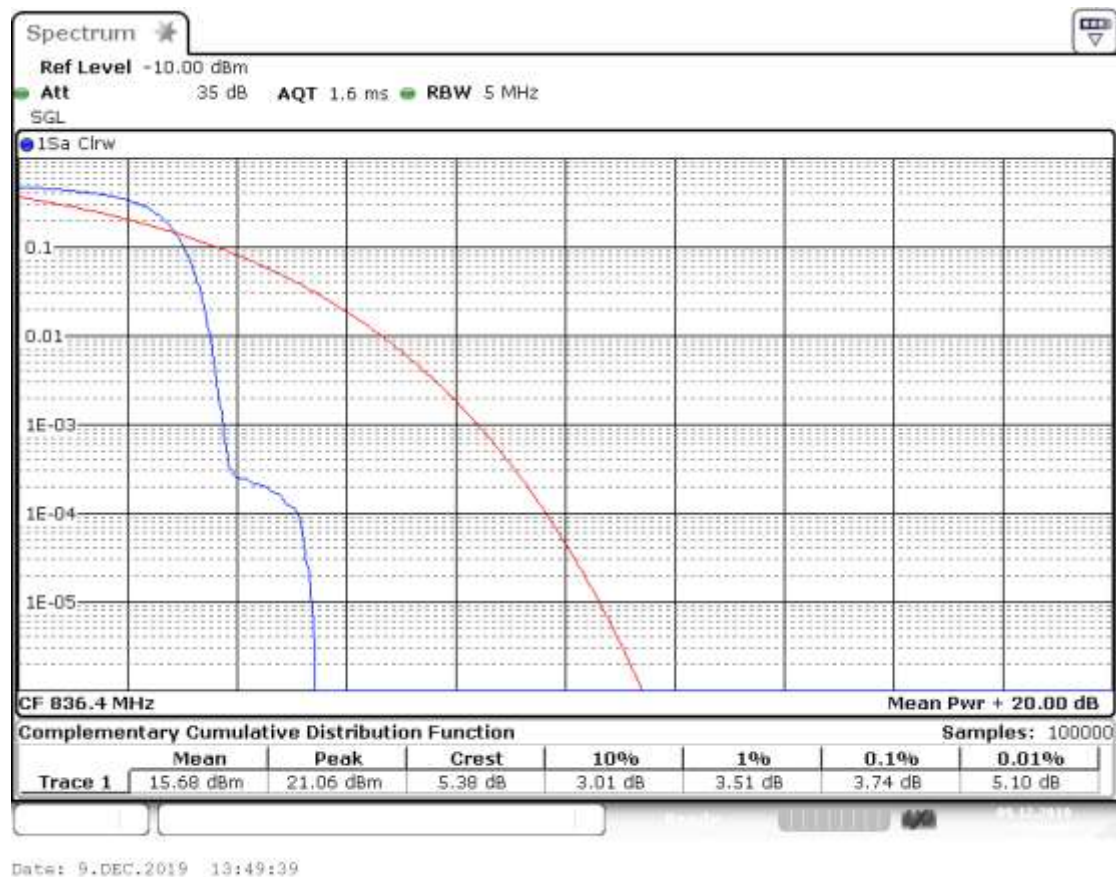


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## Test Case: HSDPA Peak-to-Average Ratio

|              |               |                             |
|--------------|---------------|-----------------------------|
| Band: V      | Channel: 4182 | Value: Bc/Bd:15/8 CCDF:3.74 |
| Result: PASS | Voltage: VN   | Temperature: TN             |



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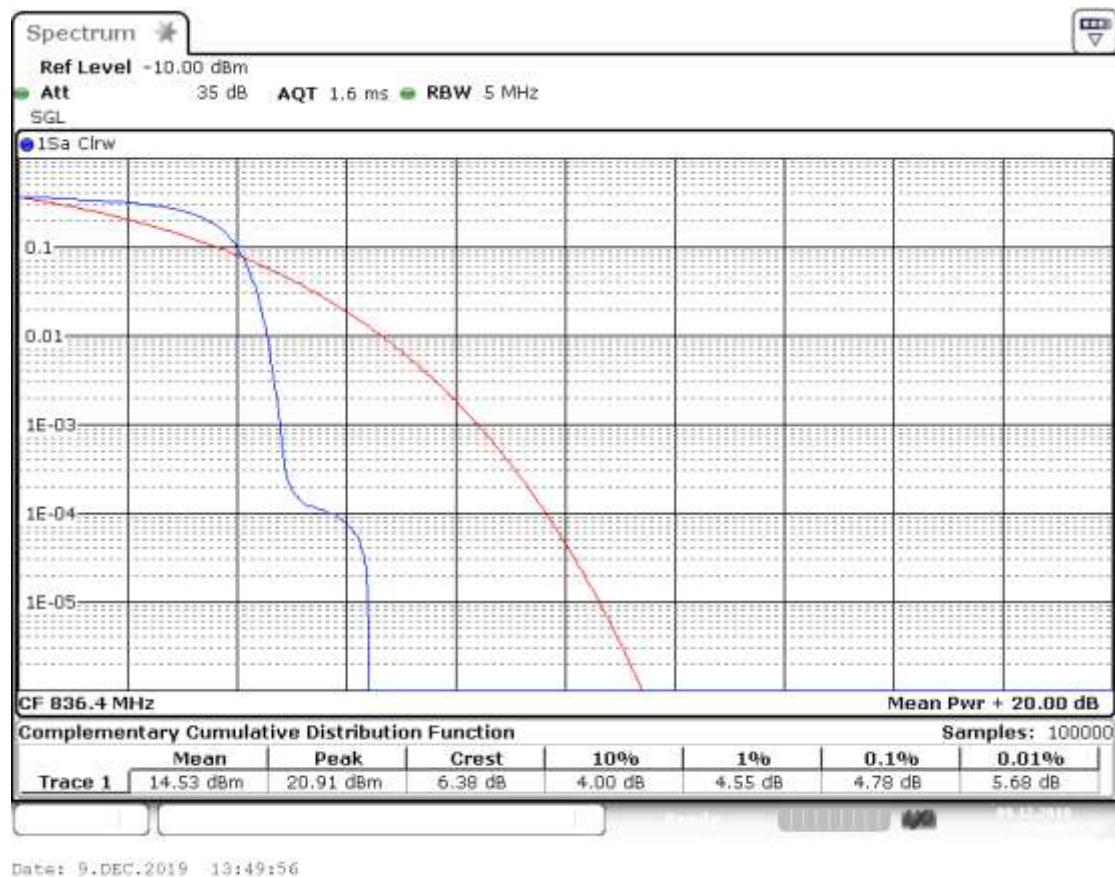


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## Test Case: HSDPA Peak-to-Average Ratio

|              |               |                             |
|--------------|---------------|-----------------------------|
| Band: V      | Channel: 4182 | Value: Bc/Bd:15/4 CCDF:4.78 |
| Result: PASS | Voltage: VN   | Temperature: TN             |



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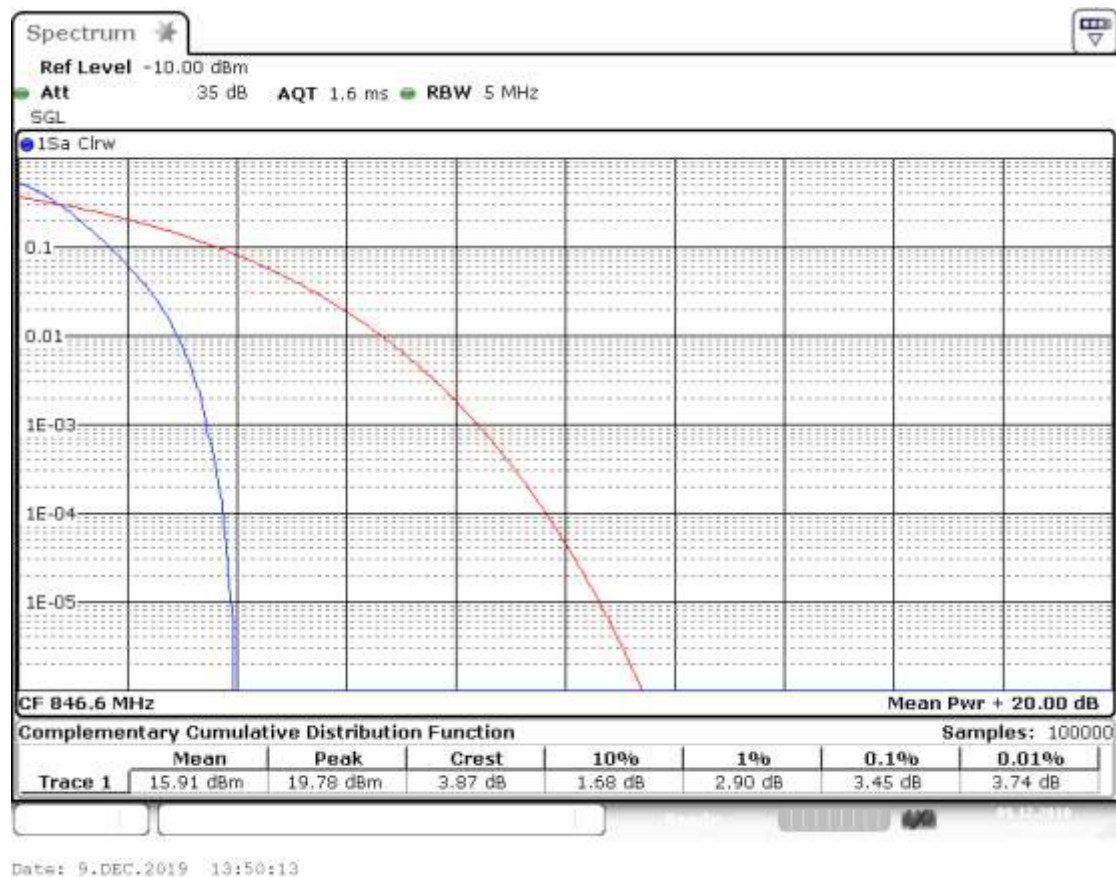
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## Test Case: HSDPA Peak-to-Average Ratio

|              |               |                             |
|--------------|---------------|-----------------------------|
| Band: V      | Channel: 4233 | Value: Bc/Bd:2/15 CCDF:3.45 |
| Result: PASS | Voltage: VN   | Temperature: TN             |



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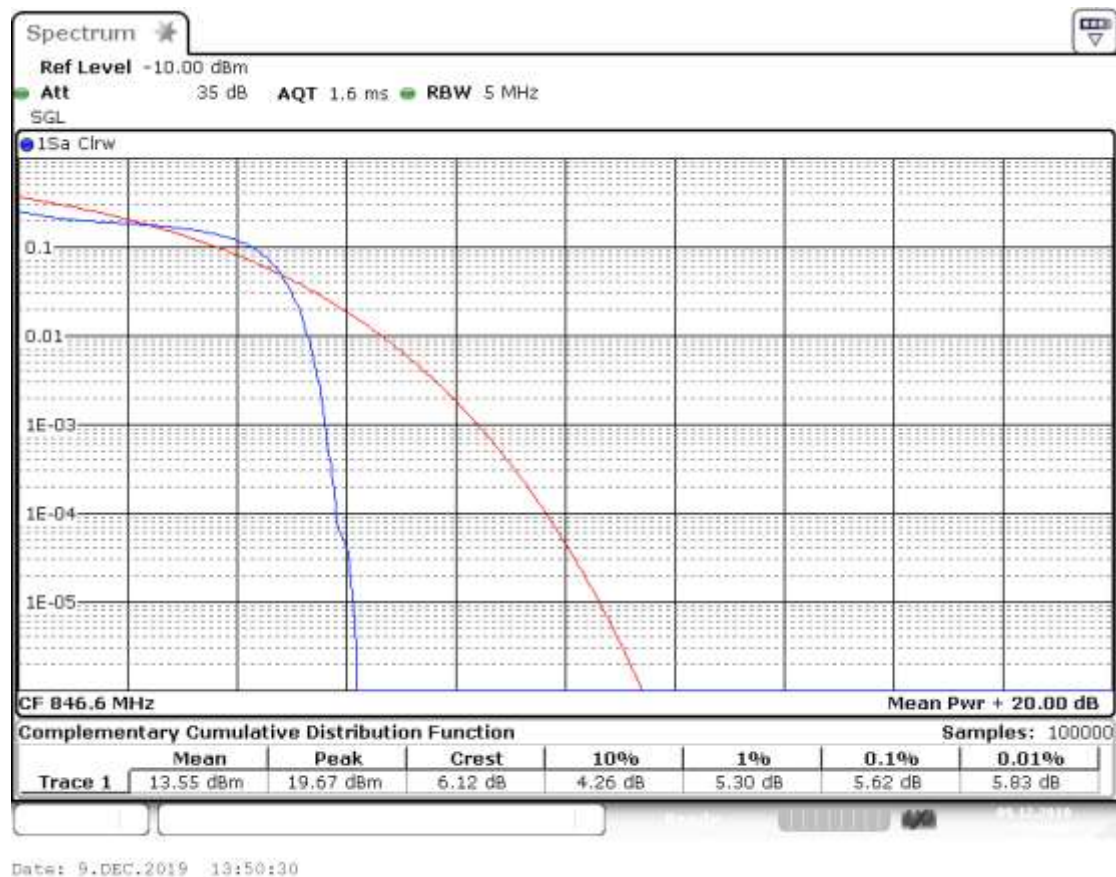
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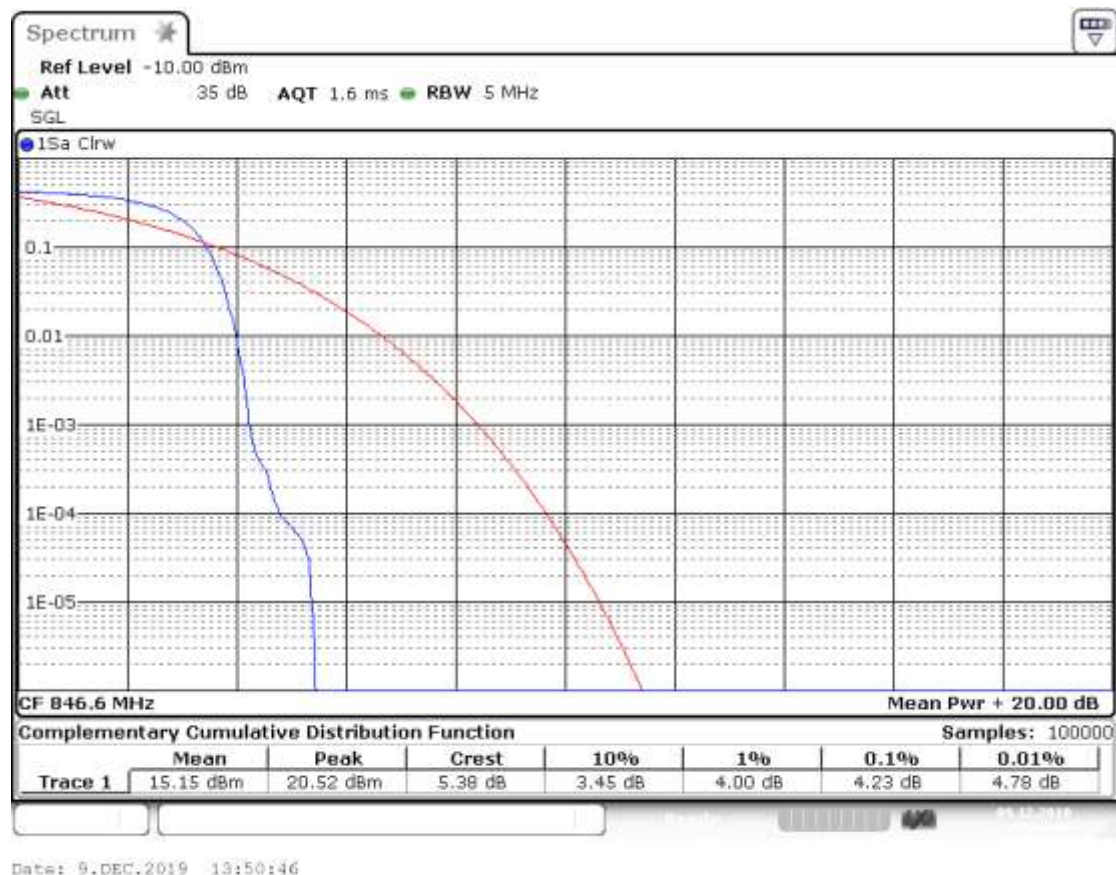
## Test Case: HSDPA Peak-to-Average Ratio

|              |               |                              |
|--------------|---------------|------------------------------|
| Band: V      | Channel: 4233 | Value: Bc/Bd:12/15 CCDF:5.62 |
| Result: PASS | Voltage: VN   | Temperature: TN              |



## Test Case: HSDPA Peak-to-Average Ratio

|              |               |                             |
|--------------|---------------|-----------------------------|
| Band: V      | Channel: 4233 | Value: Bc/Bd:15/8 CCDF:4.23 |
| Result: PASS | Voltage: VN   | Temperature: TN             |



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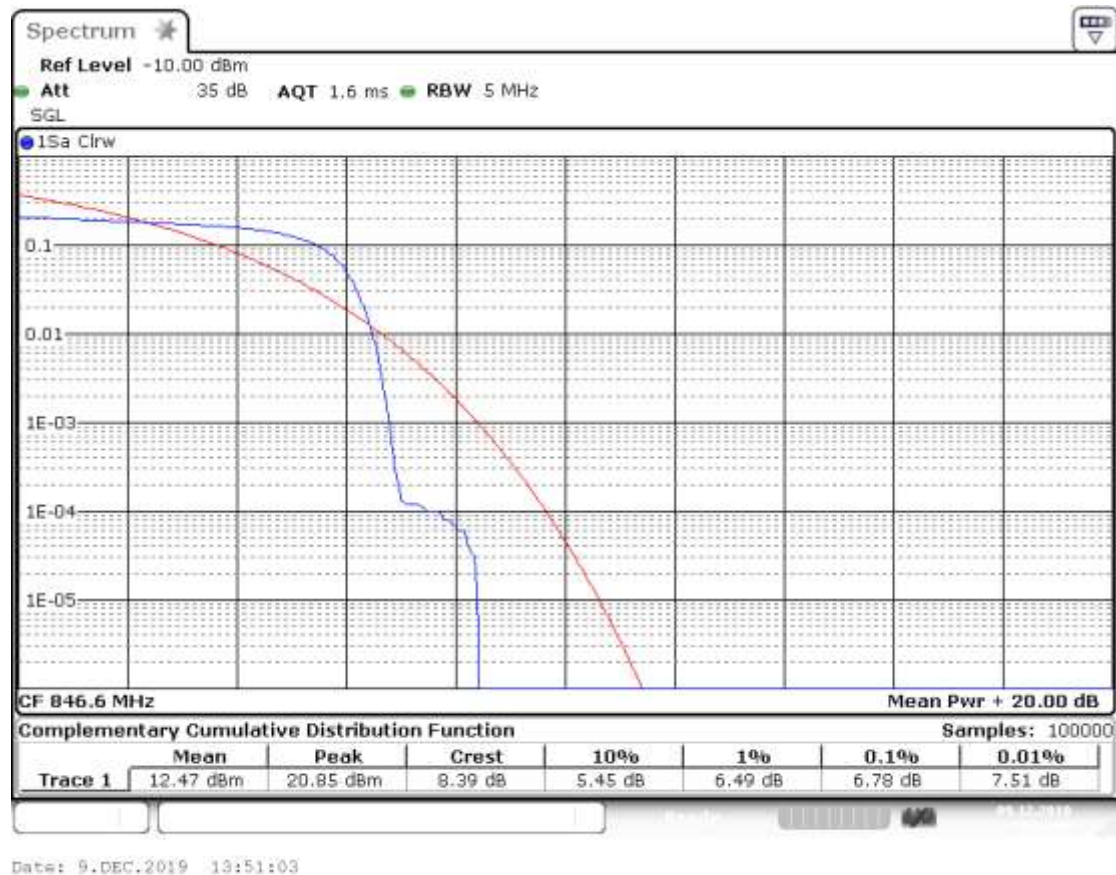
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## Test Case: HSDPA Peak-to-Average Ratio

|              |               |                             |
|--------------|---------------|-----------------------------|
| Band: V      | Channel: 4233 | Value: Bc/Bd:15/4 CCDF:6.78 |
| Result: PASS | Voltage: VN   | Temperature: TN             |



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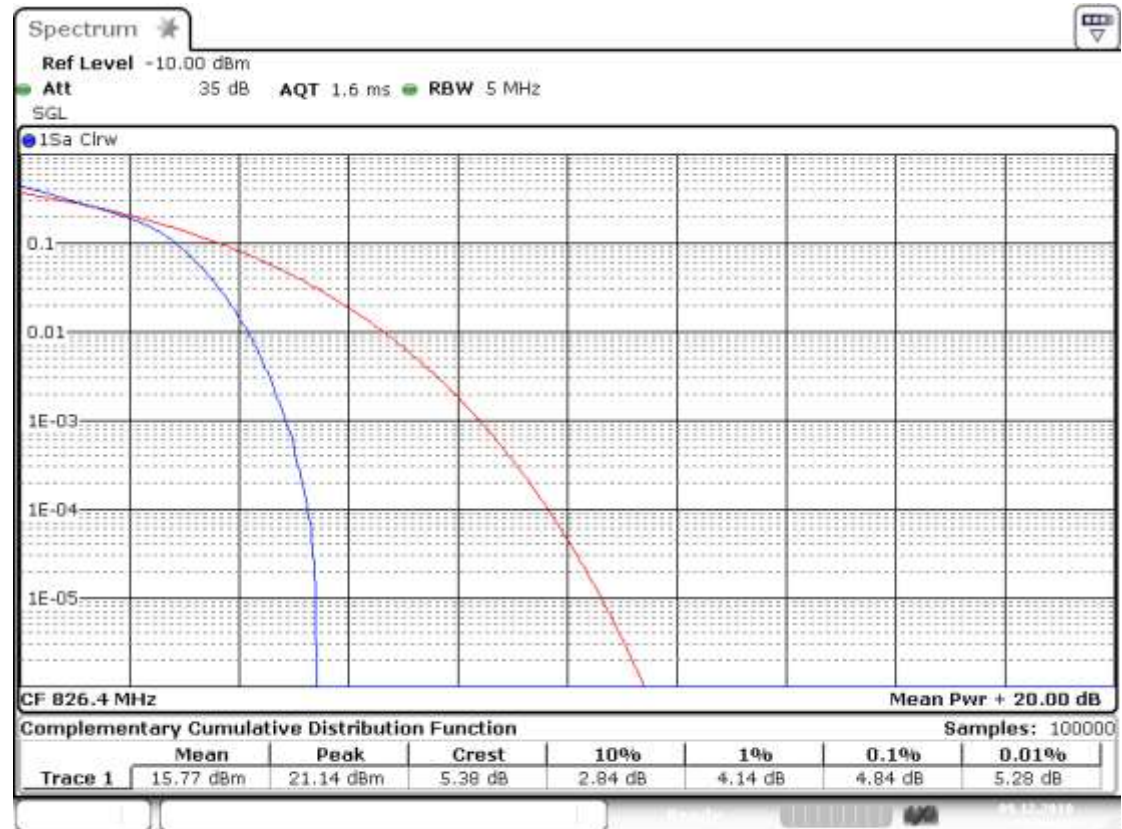
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**HSUPA:****Test Case: HSUPA Peak-to-Average Ratio**

|              |               |                            |
|--------------|---------------|----------------------------|
| Band: V      | Channel: 4132 | Value: SubTest1: CCDF:4.84 |
| Result: PASS | Voltage: VN   | Temperature: TN            |



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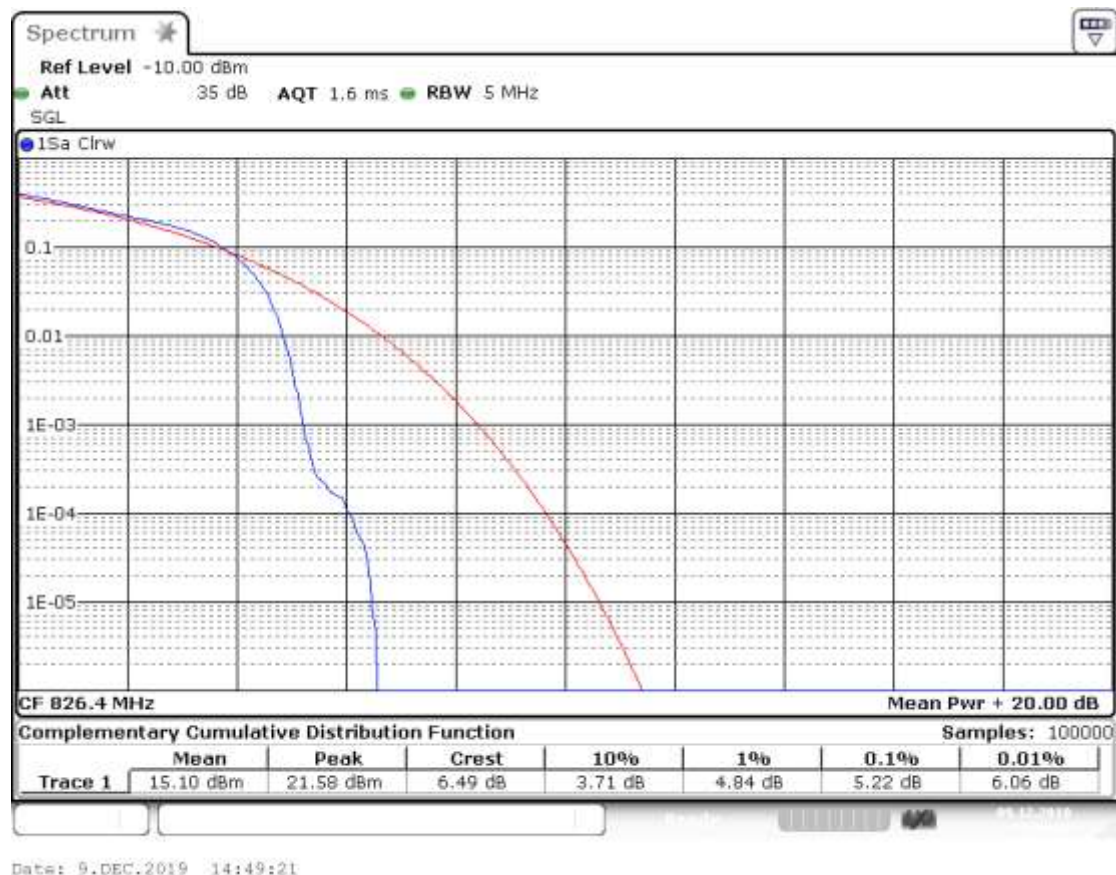
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## Test Case: HSUPA Peak-to-Average Ratio

|              |               |                           |
|--------------|---------------|---------------------------|
| Band: V      | Channel: 4132 | Value:SubTest2: CCDF:5.22 |
| Result: PASS | Voltage: VN   | Temperature: TN           |



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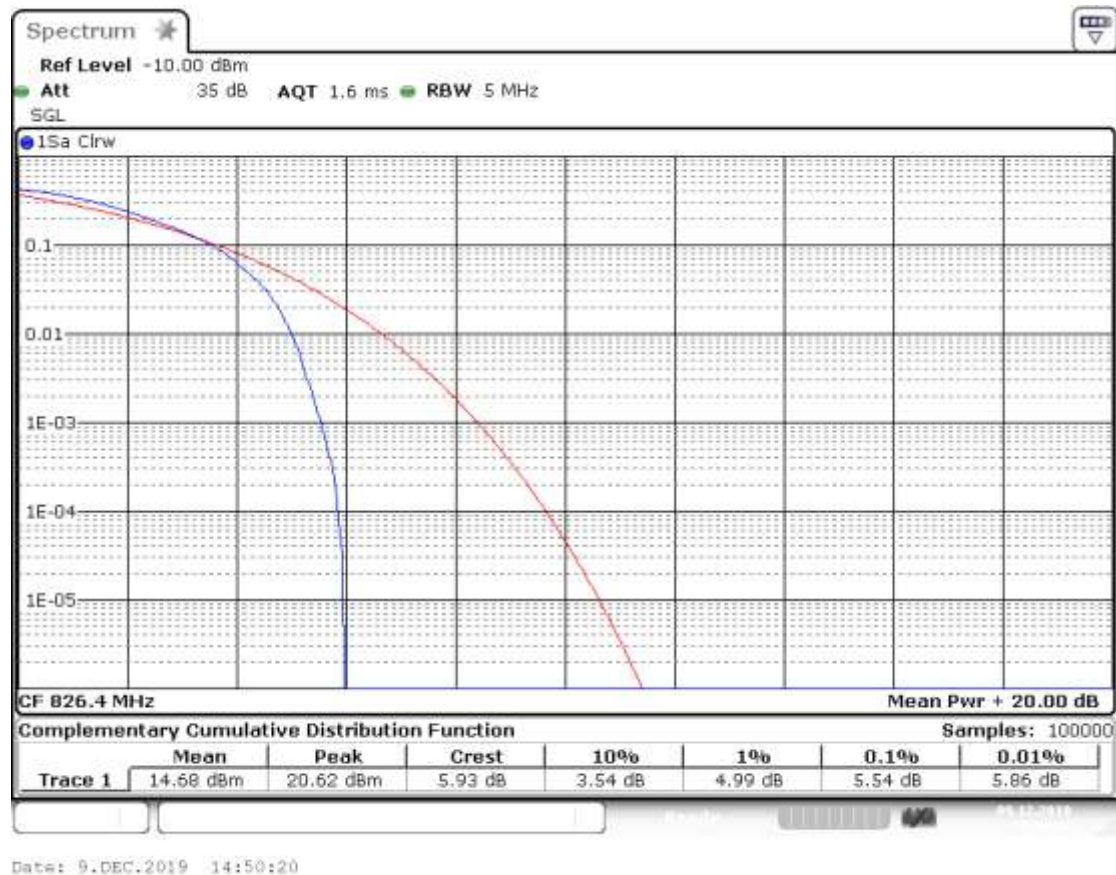


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## Test Case: HSUPA Peak-to-Average Ratio

|              |               |                           |
|--------------|---------------|---------------------------|
| Band: V      | Channel: 4132 | Value:SubTest3: CCDF:5.54 |
| Result: PASS | Voltage: VN   | Temperature: TN           |



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## Test Case: HSUPA Peak-to-Average Ratio

|              |               |                             |
|--------------|---------------|-----------------------------|
| Band: V      | Channel: 4132 | Value: SubTest4: CCDF: 4.84 |
| Result: PASS | Voltage: VN   | Temperature: TN             |



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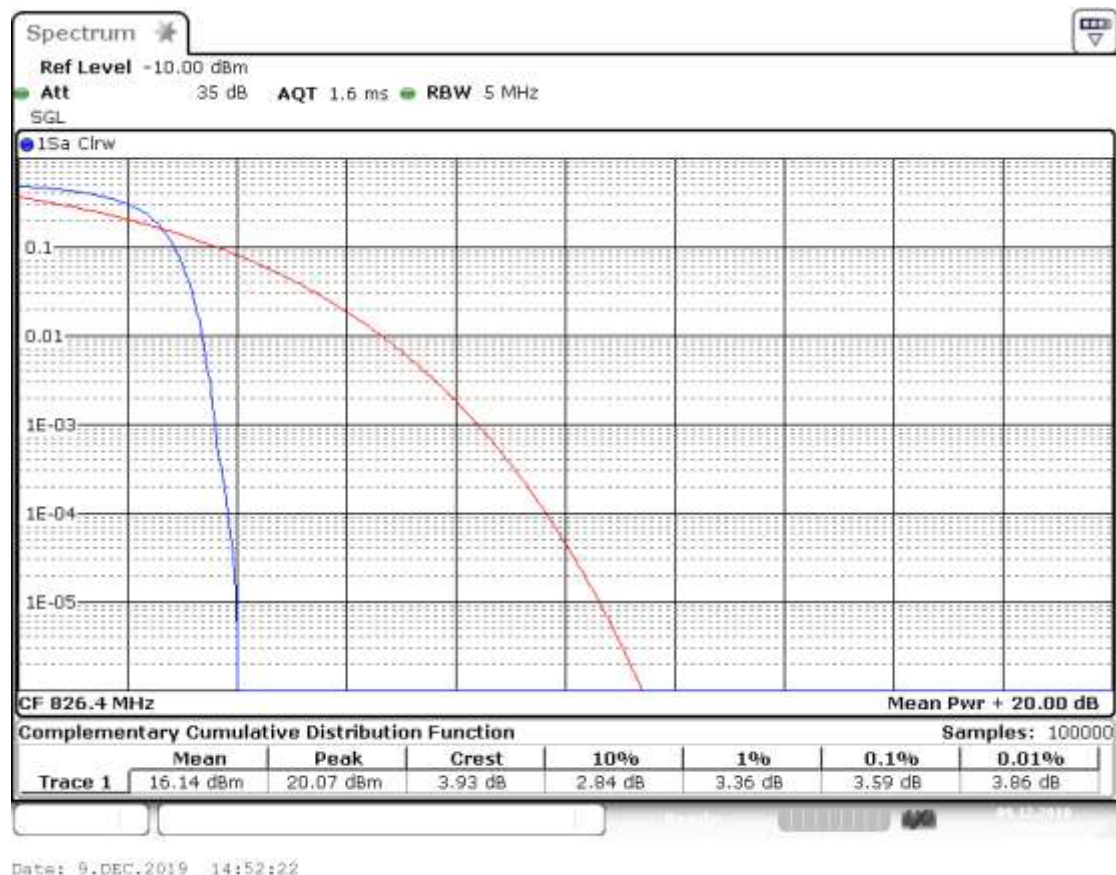
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## Test Case: HSUPA Peak-to-Average Ratio

|              |               |                           |
|--------------|---------------|---------------------------|
| Band: V      | Channel: 4132 | Value:SubTest5: CCDF:3.59 |
| Result: PASS | Voltage: VN   | Temperature: TN           |



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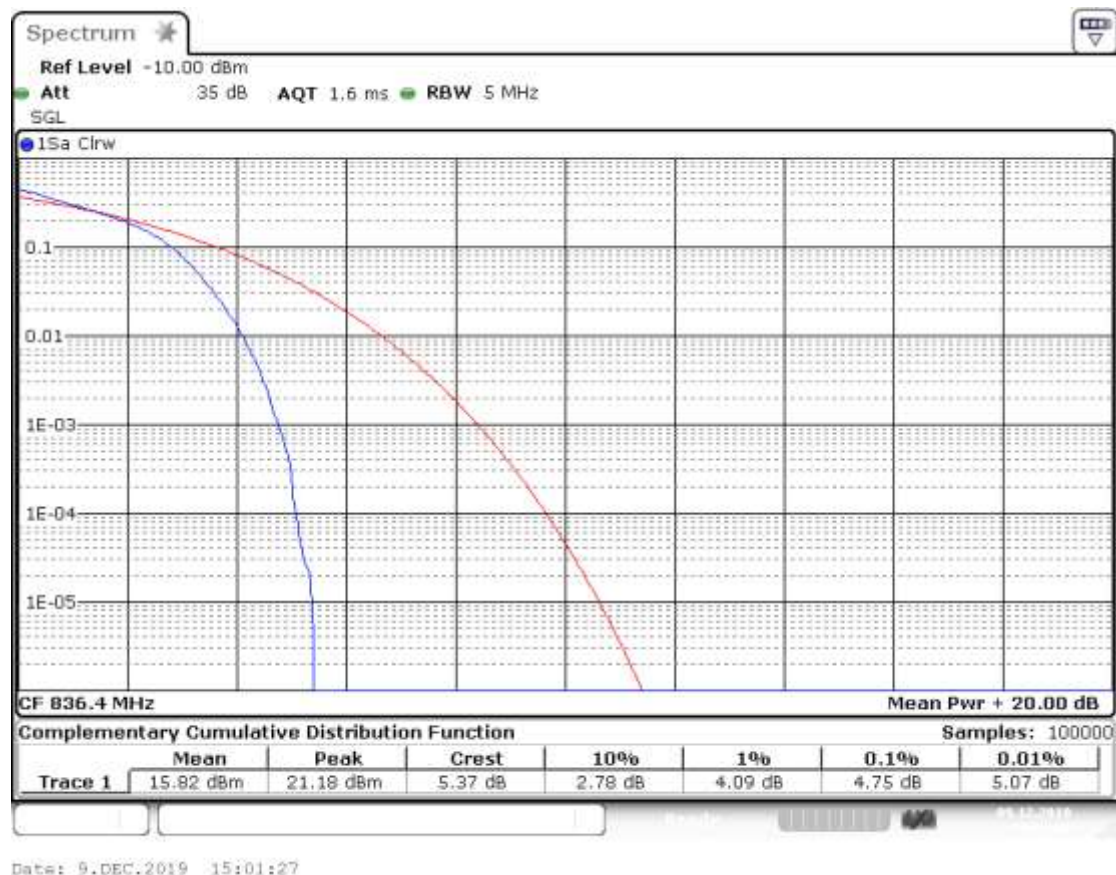
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## Test Case: HSUPA Peak-to-Average Ratio

|              |               |                             |
|--------------|---------------|-----------------------------|
| Band: V      | Channel: 4182 | Value: SubTest1: CCDF: 4.75 |
| Result: PASS | Voltage: VN   | Temperature: TN             |



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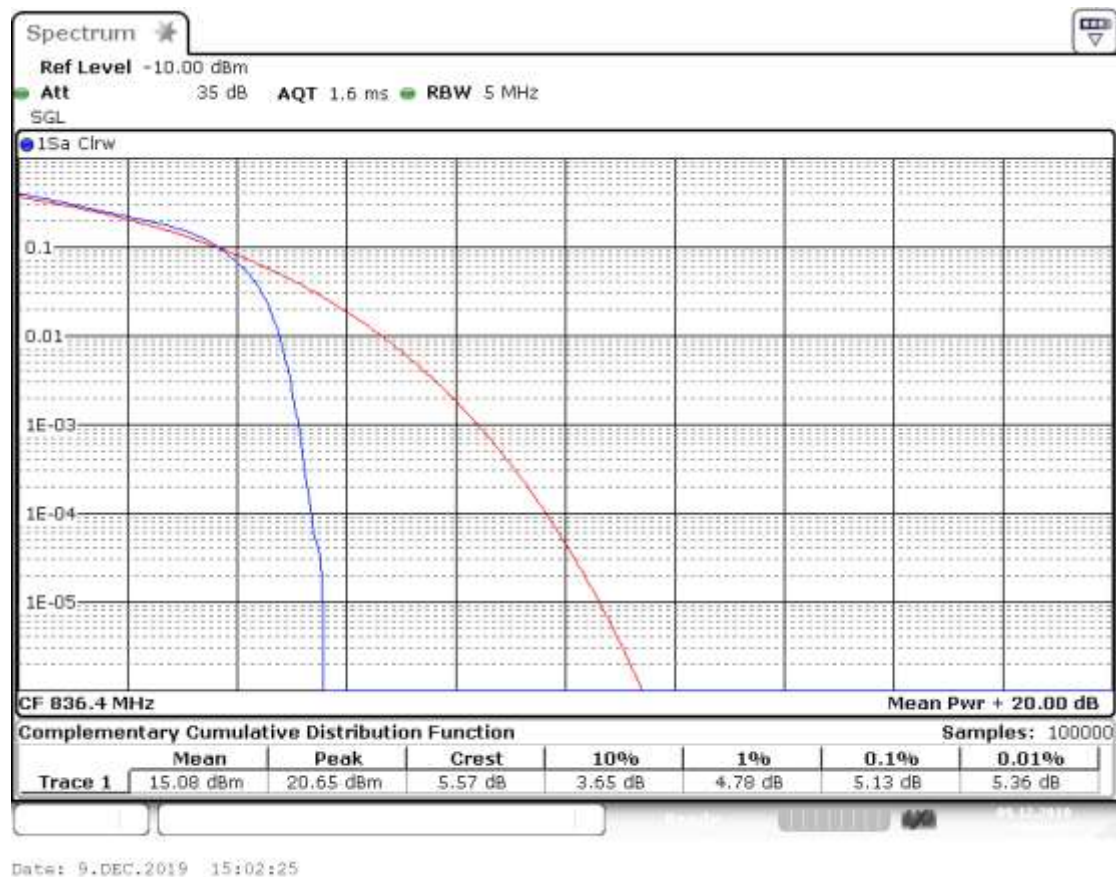


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## Test Case: HSUPA Peak-to-Average Ratio

|              |               |                           |
|--------------|---------------|---------------------------|
| Band: V      | Channel: 4182 | Value:SubTest2: CCDF:5.13 |
| Result: PASS | Voltage: VN   | Temperature: TN           |



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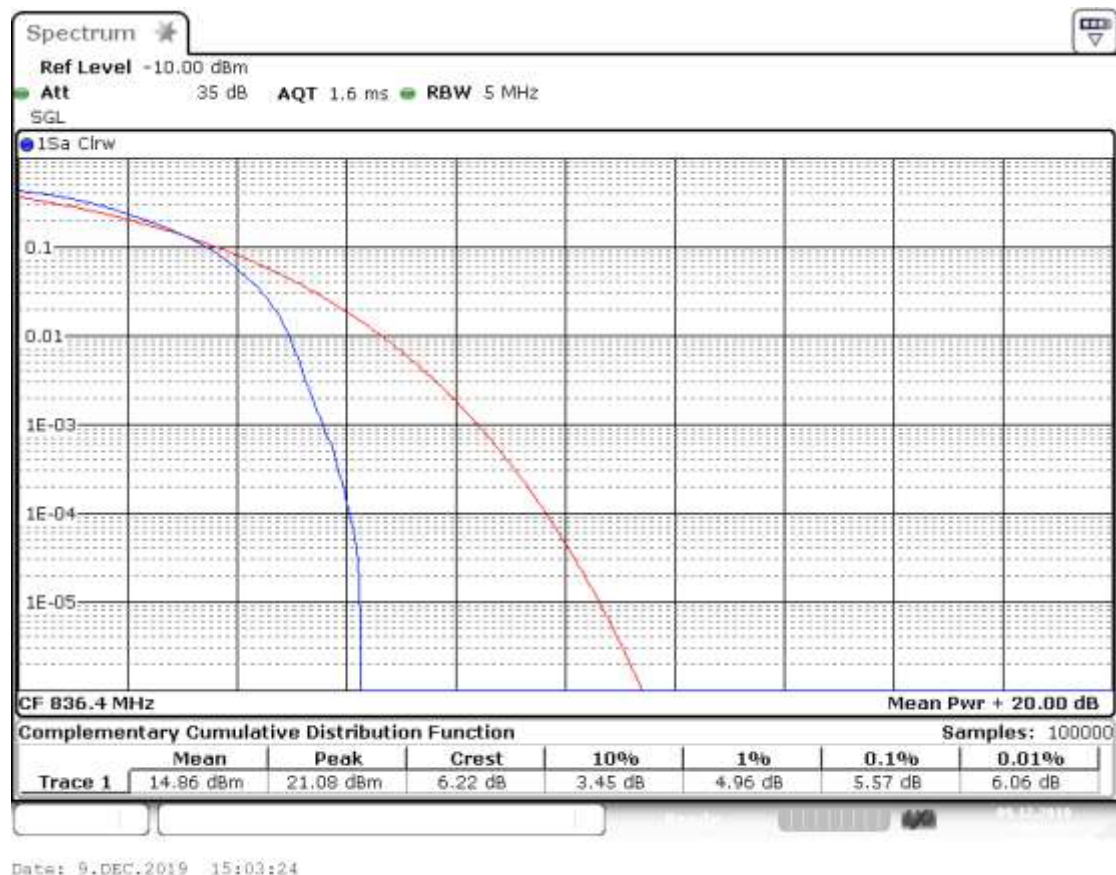
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## Test Case: HSUPA Peak-to-Average Ratio

|              |               |                           |
|--------------|---------------|---------------------------|
| Band: V      | Channel: 4182 | Value:SubTest3: CCDF:5.57 |
| Result: PASS | Voltage: VN   | Temperature: TN           |



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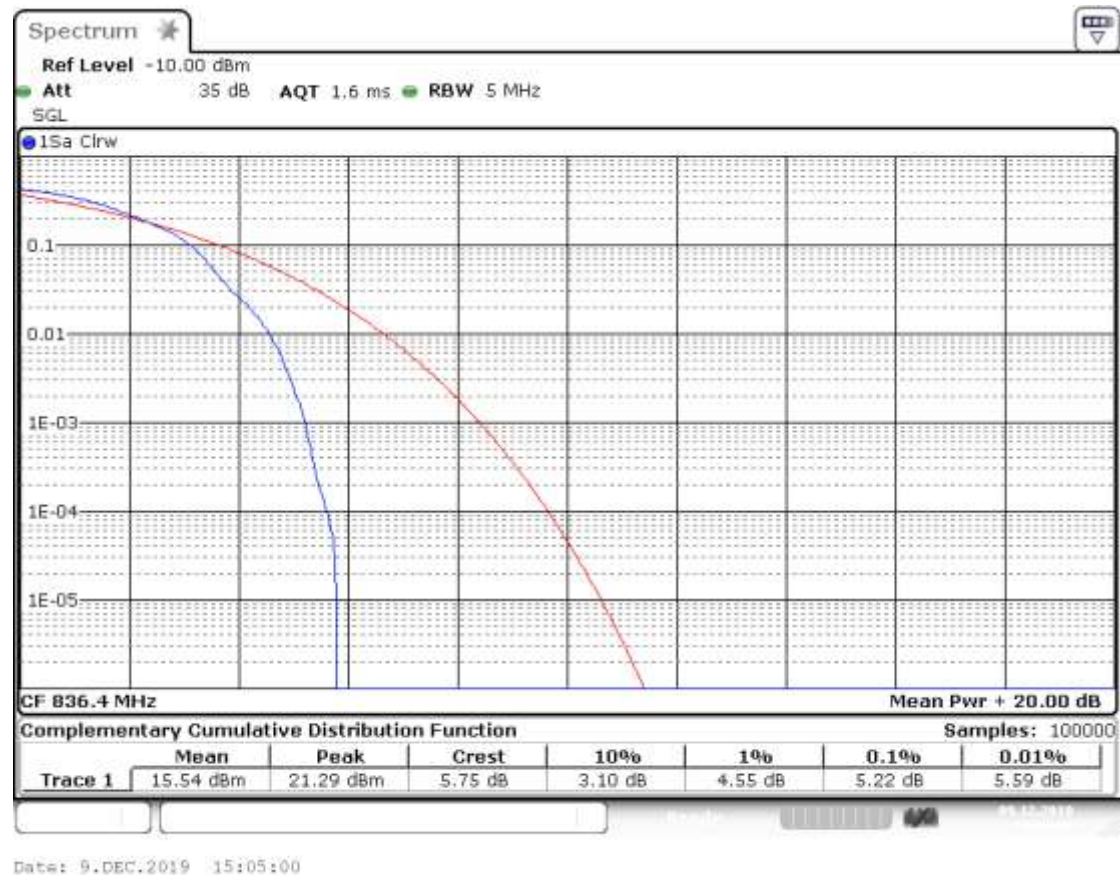


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## Test Case: HSUPA Peak-to-Average Ratio

|              |               |                             |
|--------------|---------------|-----------------------------|
| Band: V      | Channel: 4182 | Value: SubTest4: CCDF: 5.22 |
| Result: PASS | Voltage: VN   | Temperature: TN             |



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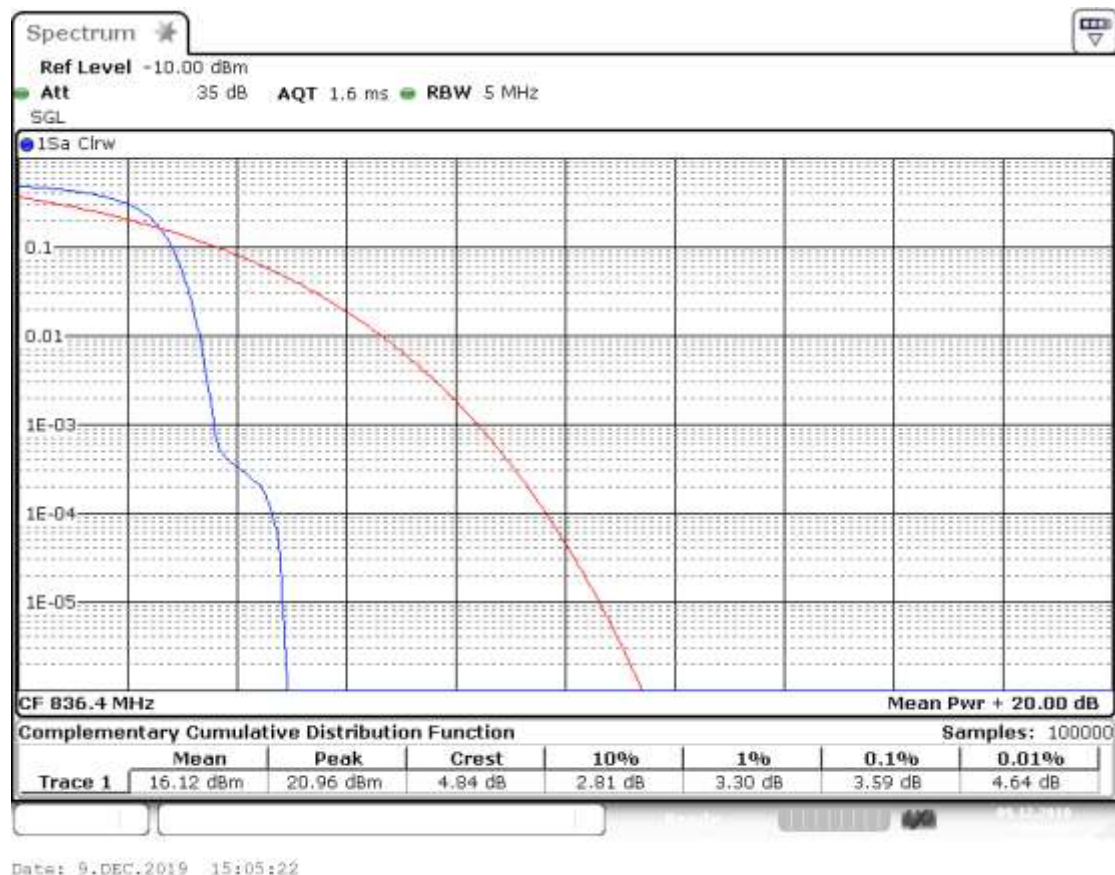
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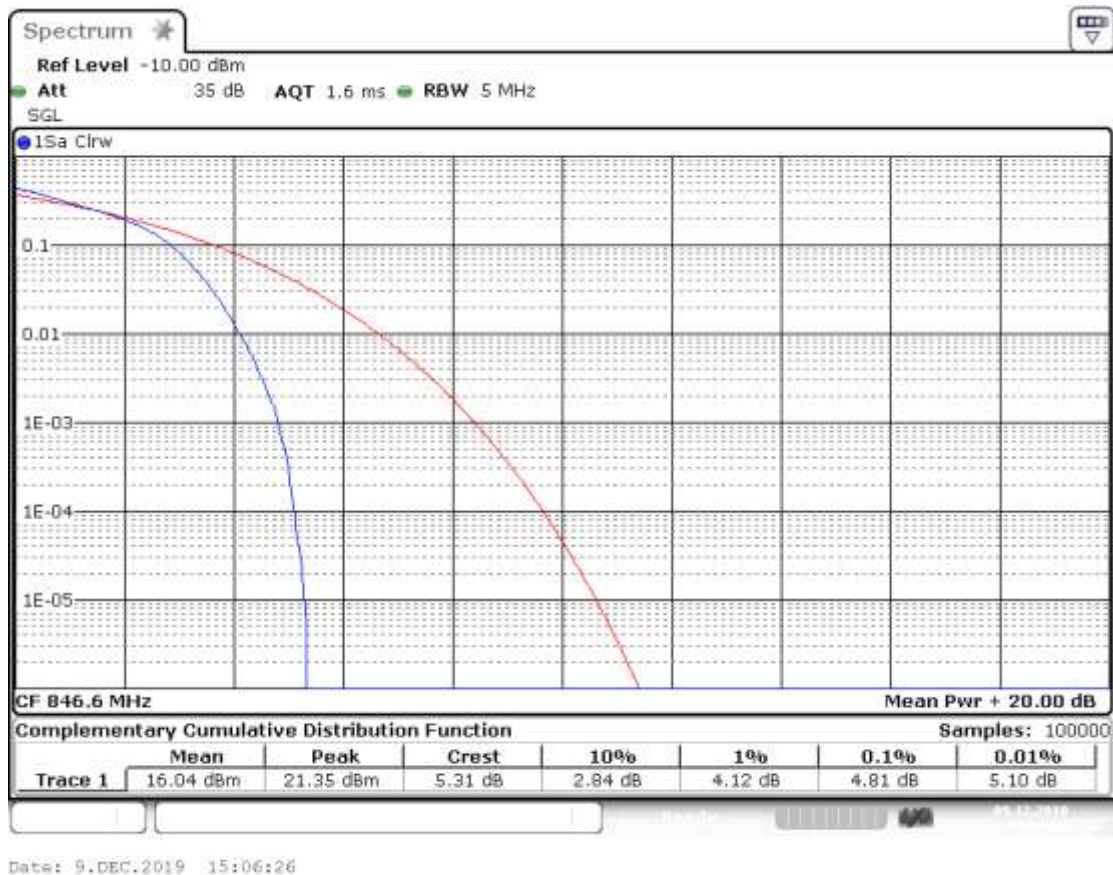
## Test Case: HSUPA Peak-to-Average Ratio

|              |               |                            |
|--------------|---------------|----------------------------|
| Band: V      | Channel: 4182 | Value: SubTest5: CCDF:3.59 |
| Result: PASS | Voltage: VN   | Temperature: TN            |



## Test Case: HSUPA Peak-to-Average Ratio

|              |               |                           |
|--------------|---------------|---------------------------|
| Band: V      | Channel: 4233 | Value:SubTest1: CCDF:4.81 |
| Result: PASS | Voltage: VN   | Temperature: TN           |



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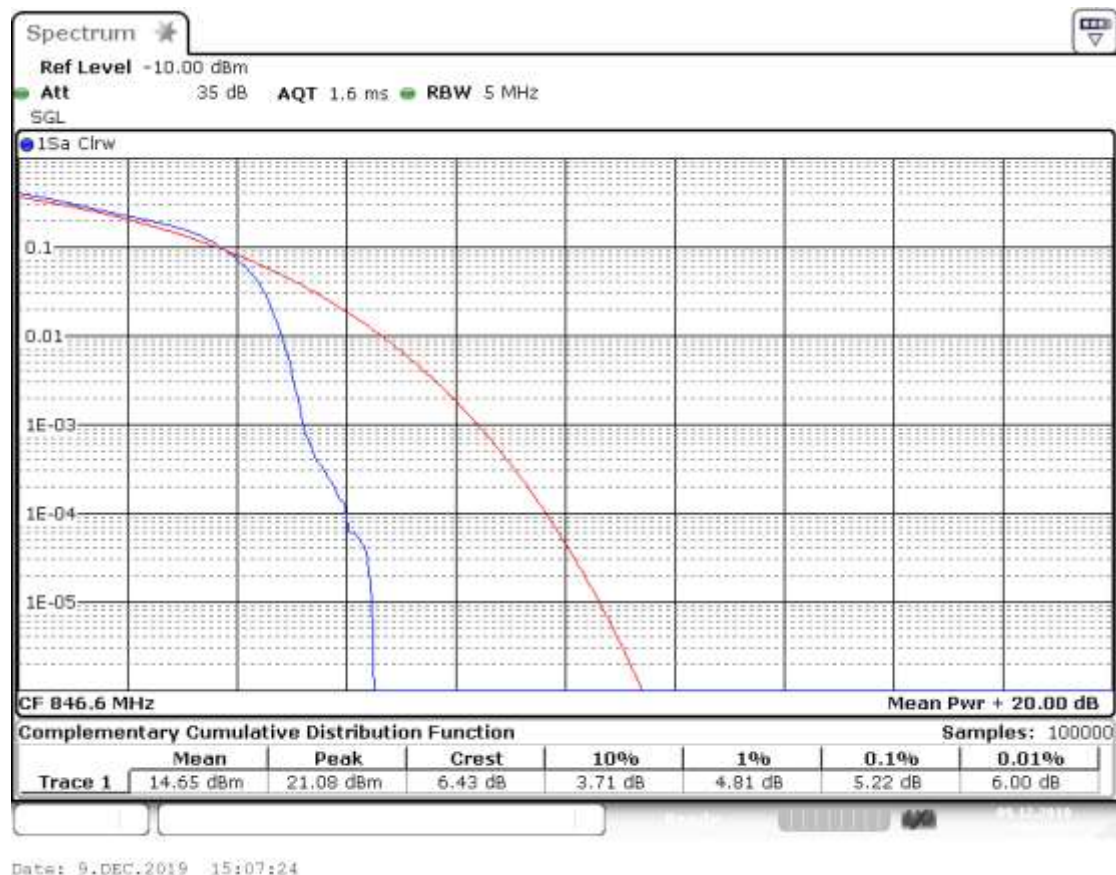
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## Test Case: HSUPA Peak-to-Average Ratio

|              |               |                           |
|--------------|---------------|---------------------------|
| Band: V      | Channel: 4233 | Value:SubTest2: CCDF:5.22 |
| Result: PASS | Voltage: VN   | Temperature: TN           |



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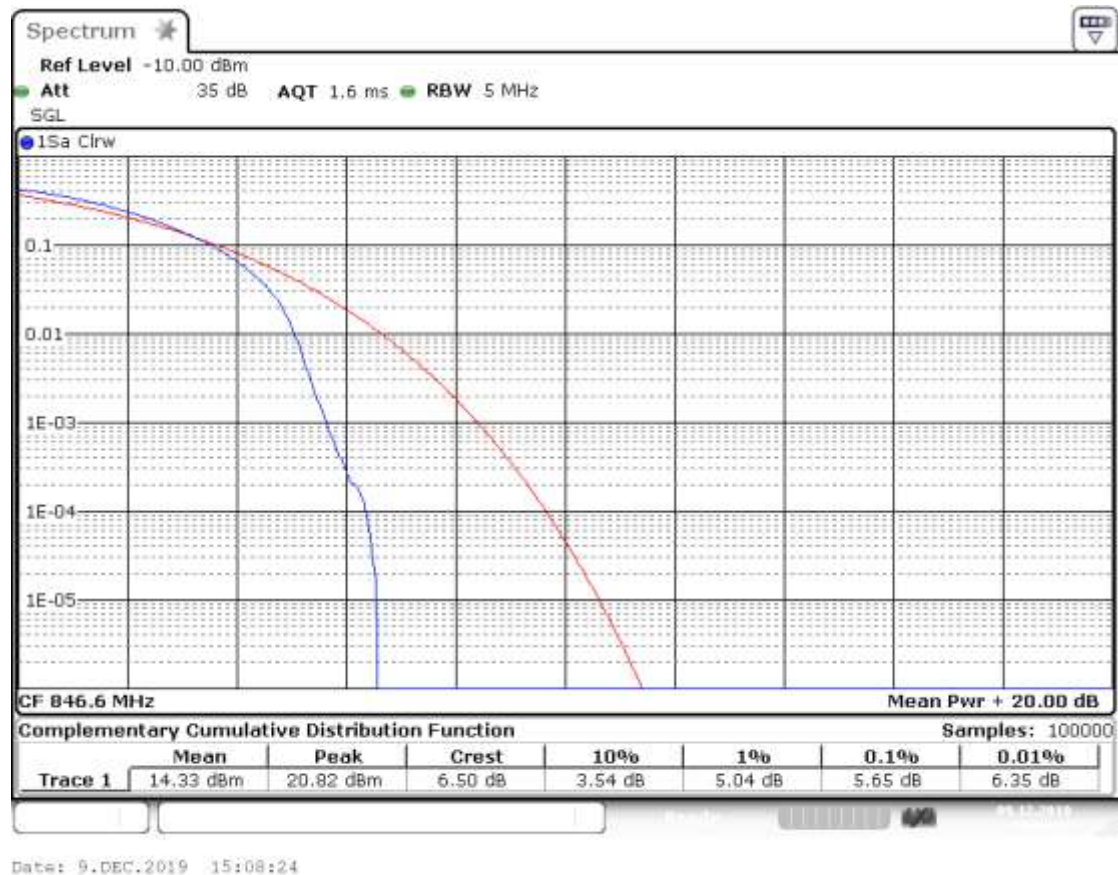
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## Test Case: HSUPA Peak-to-Average Ratio

|              |               |                           |
|--------------|---------------|---------------------------|
| Band: V      | Channel: 4233 | Value:SubTest3: CCDF:5.65 |
| Result: PASS | Voltage: VN   | Temperature: TN           |



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## Test Case: HSUPA Peak-to-Average Ratio

|              |               |                             |
|--------------|---------------|-----------------------------|
| Band: V      | Channel: 4233 | Value: SubTest4: CCDF: 4.81 |
| Result: PASS | Voltage: VN   | Temperature: TN             |



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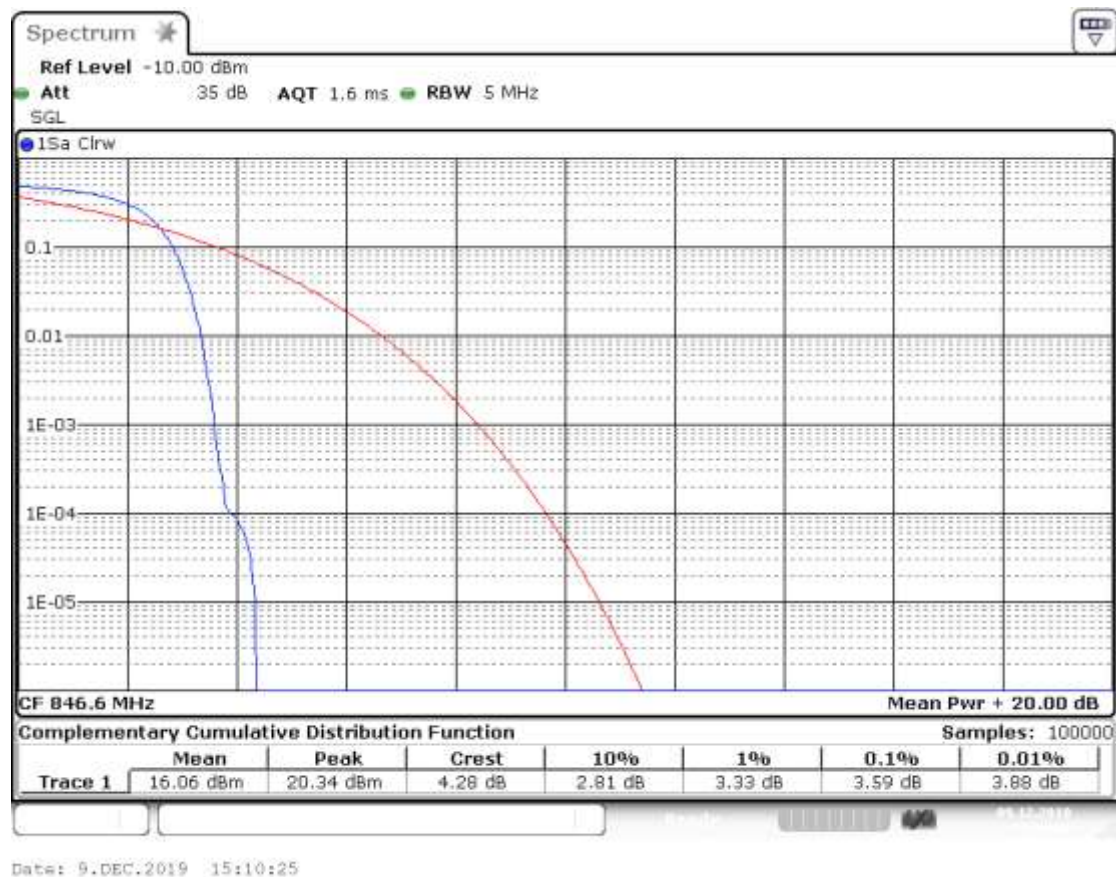
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## Test Case: HSUPA Peak-to-Average Ratio

|              |               |                            |
|--------------|---------------|----------------------------|
| Band: V      | Channel: 4233 | Value: SubTest5: CCDF:3.59 |
| Result: PASS | Voltage: VN   | Temperature: TN            |



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## AppendixC:26dB Bandwidth andOccupied Bandwidth

### Test Result

#### WCDMA:

| Band   | Channel | Occupied Bandwidth<br>(kHz) | 26dB Bandwidth<br>(kHz) | Limit(kHz) | Verdict |
|--------|---------|-----------------------------|-------------------------|------------|---------|
| Band V | 4132    | 4124.5                      | 4725                    | ---        | PASS    |
| Band V | 4182    | 4110.0                      | 4710                    | ---        | PASS    |
| Band V | 4233    | 4110.0                      | 4725                    | ---        | PASS    |

#### HSDPA:

| Band   | Channel | SubTest    | Occupied<br>Bandwidth<br>(kHz) | 26dB Bandwidth<br>(kHz) | Limit(kHz) | Verdict |
|--------|---------|------------|--------------------------------|-------------------------|------------|---------|
| Band V | 4132    | HSDPA_Sub1 | 4124.5                         | 4710                    | ---        | PASS    |
| Band V | 4132    | HSDPA_Sub2 | 4124.5                         | 4739                    | ---        | PASS    |
| Band V | 4132    | HSDPA_Sub3 | 4110.0                         | 4739                    | ---        | PASS    |
| Band V | 4132    | HSDPA_Sub4 | 4124.5                         | 4754                    | ---        | PASS    |
| Band V | 4182    | HSDPA_Sub1 | 4110.0                         | 4725                    | ---        | PASS    |
| Band V | 4182    | HSDPA_Sub2 | 4110.0                         | 4725                    | ---        | PASS    |
| Band V | 4182    | HSDPA_Sub3 | 4124.5                         | 4739                    | ---        | PASS    |
| Band V | 4182    | HSDPA_Sub4 | 4110.0                         | 4739                    | ---        | PASS    |
| Band V | 4233    | HSDPA_Sub1 | 4095.5                         | 4710                    | ---        | PASS    |
| Band V | 4233    | HSDPA_Sub2 | 4110.0                         | 4725                    | ---        | PASS    |
| Band V | 4233    | HSDPA_Sub3 | 4124.5                         | 4739                    | ---        | PASS    |
| Band V | 4233    | HSDPA_Sub4 | 4095.5                         | 4739                    | ---        | PASS    |

#### HSUPA:

| Band   | Channel | SubTest    | Occupied<br>Bandwidth<br>(kHz) | 26dB Bandwidth<br>(kHz) | Limit(kHz) | Verdict |
|--------|---------|------------|--------------------------------|-------------------------|------------|---------|
| Band V | 4132    | HSUPA_Sub1 | 4138.9                         | 4725                    | ---        | PASS    |
| Band V | 4132    | HSUPA_Sub2 | 4138.9                         | 4768                    | ---        | PASS    |
| Band V | 4132    | HSUPA_Sub3 | 4138.9                         | 4739                    | ---        | PASS    |
| Band V | 4132    | HSUPA_Sub4 | 4138.9                         | 4739                    | ---        | PASS    |
| Band V | 4132    | HSUPA_Sub5 | 4138.9                         | 4739                    | ---        | PASS    |
| Band V | 4182    | HSUPA_Sub1 | 4110.0                         | 4725                    | ---        | PASS    |
| Band V | 4182    | HSUPA_Sub2 | 4124.5                         | 4696                    | ---        | PASS    |
| Band V | 4182    | HSUPA_Sub3 | 4110.0                         | 4739                    | ---        | PASS    |
| Band V | 4182    | HSUPA_Sub4 | 4110.0                         | 4725                    | ---        | PASS    |
| Band V | 4182    | HSUPA_Sub5 | 4110.0                         | 4754                    | ---        | PASS    |
| Band V | 4233    | HSUPA_Sub1 | 4110.0                         | 4739                    | ---        | PASS    |

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|        |      |            |        |      |     |      |
|--------|------|------------|--------|------|-----|------|
| Band V | 4233 | HSUPA_Sub2 | 4110.0 | 4725 | --- | PASS |
| Band V | 4233 | HSUPA_Sub3 | 4124.5 | 4725 | --- | PASS |
| Band V | 4233 | HSUPA_Sub4 | 4110.0 | 4725 | --- | PASS |
| Band V | 4233 | HSUPA_Sub5 | 4110.0 | 4725 | --- | PASS |

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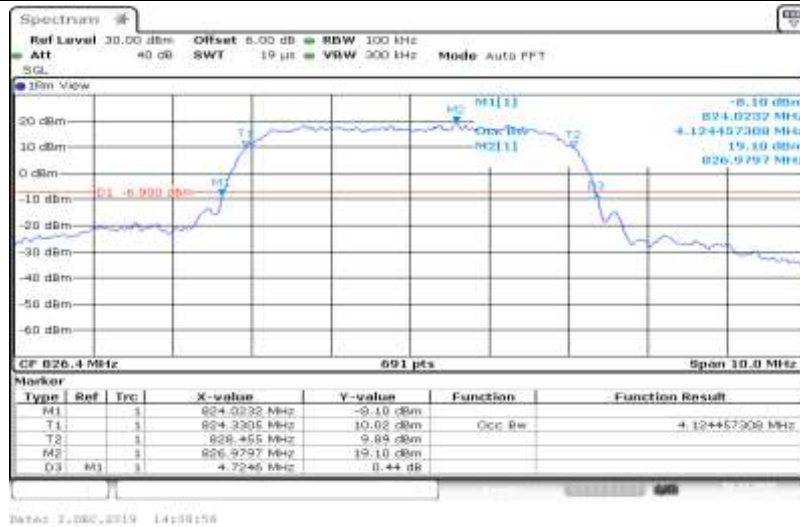
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## Test Graphs

### WCDMA:

#### Band V-4132



#### Band V-4182



#### Band V-4233

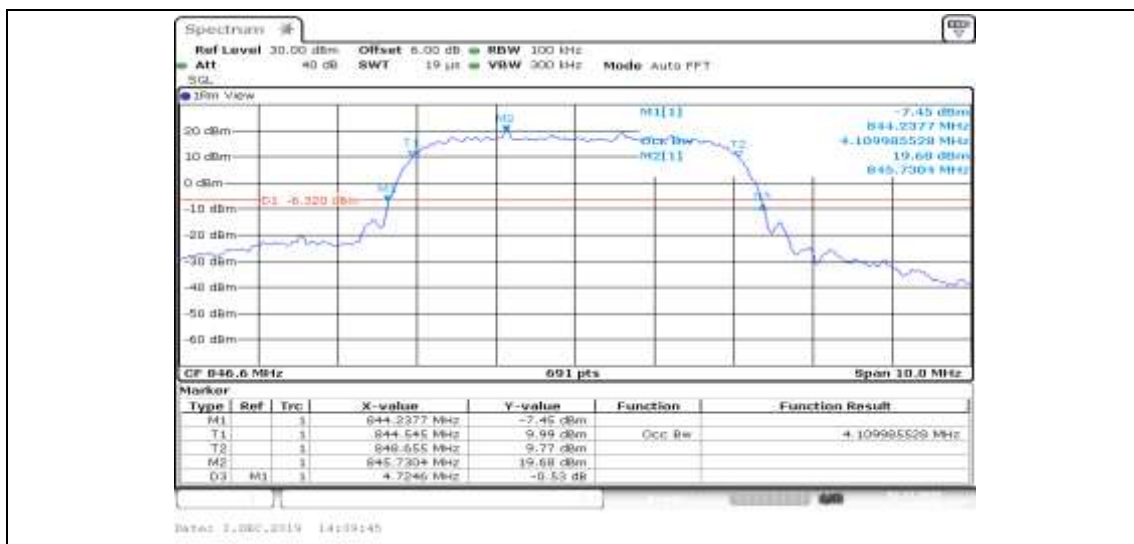
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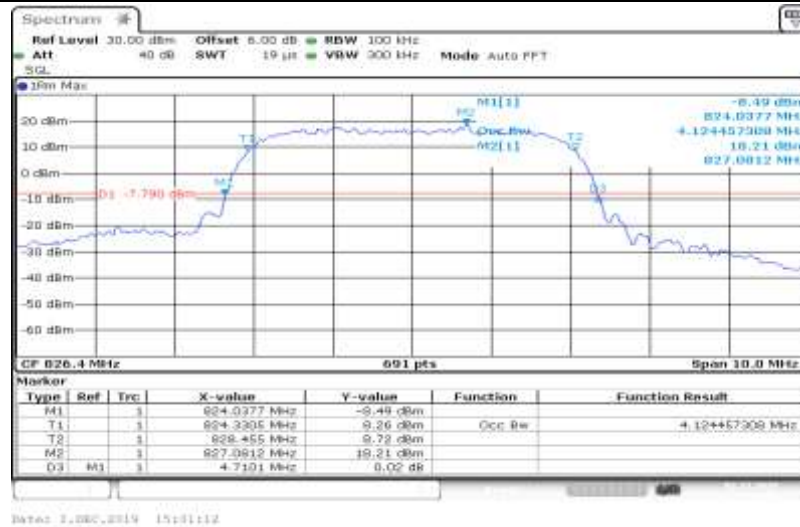
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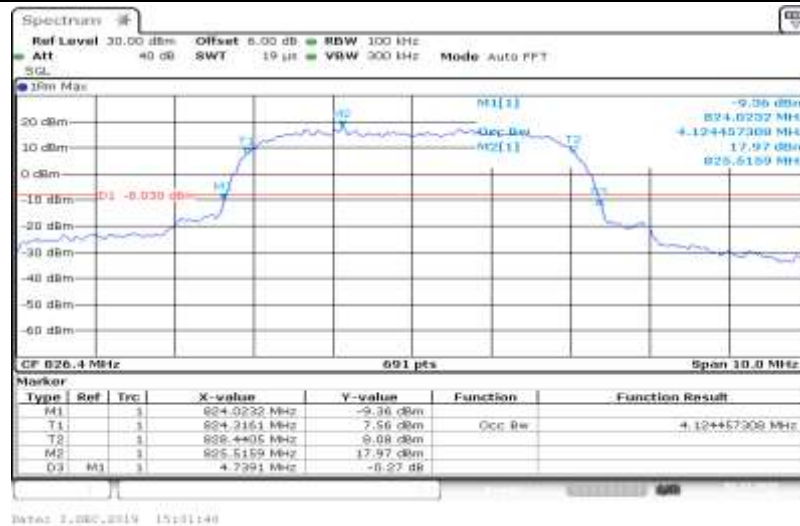
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## HSDPA:

## Band V-4132-HSDPA\_Sub1



## Band V-4132-HSDPA\_Sub2



## Band V-4132-HSDPA\_Sub3

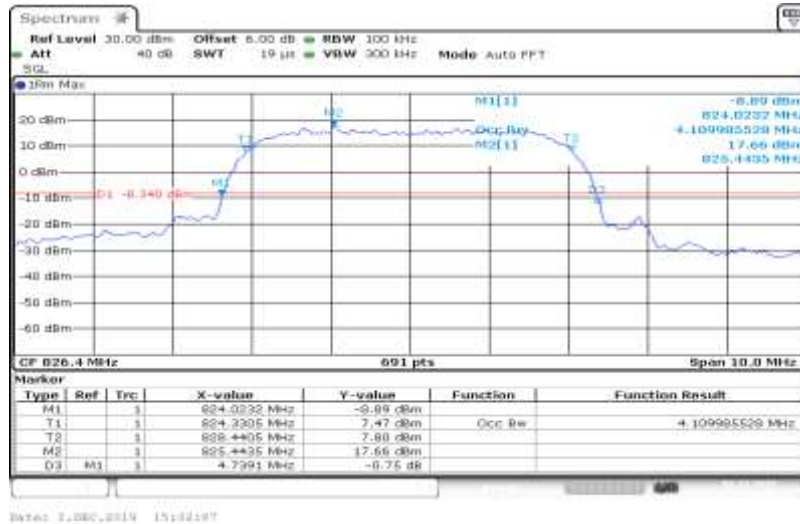
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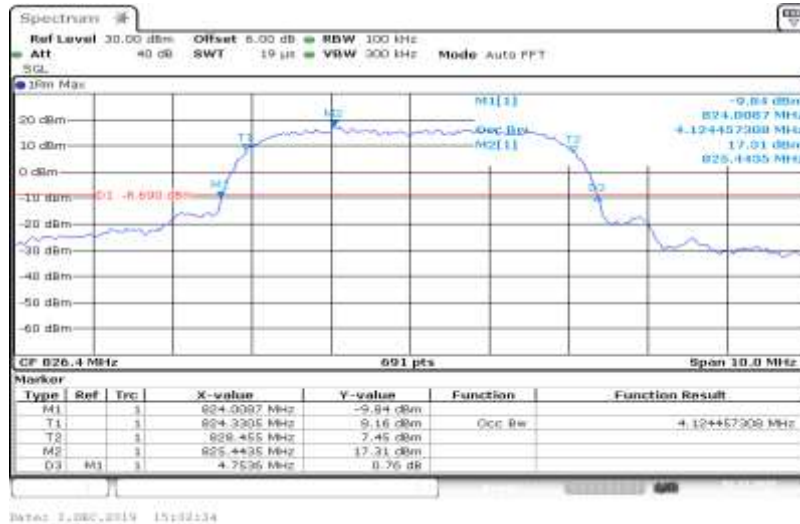
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Band V-4132-HSDPA\_Sub4



Band V-4182-HSDPA\_Sub1



Band V-4182-HSDPA\_Sub2

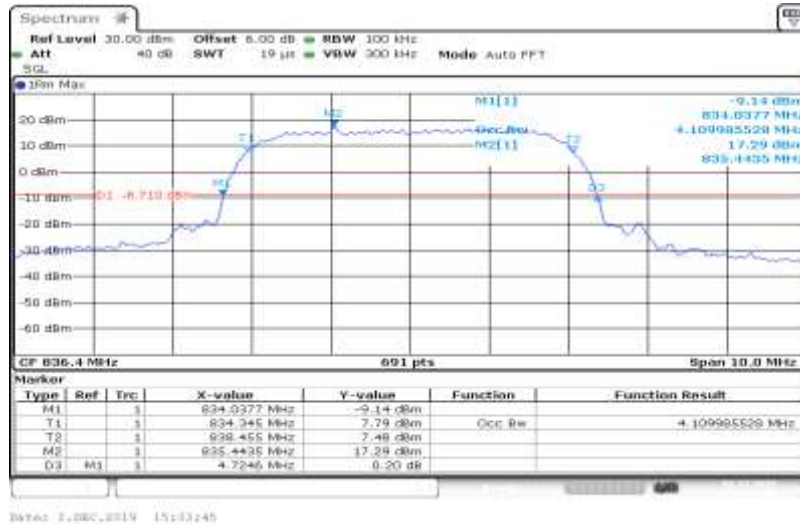
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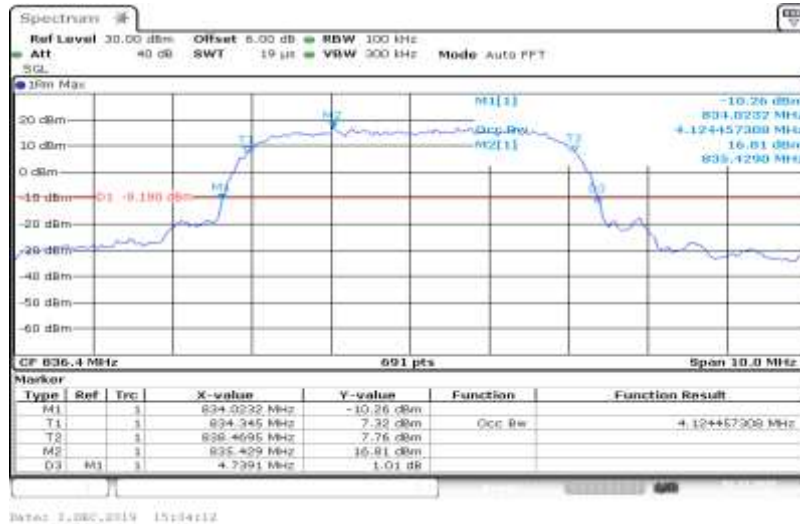
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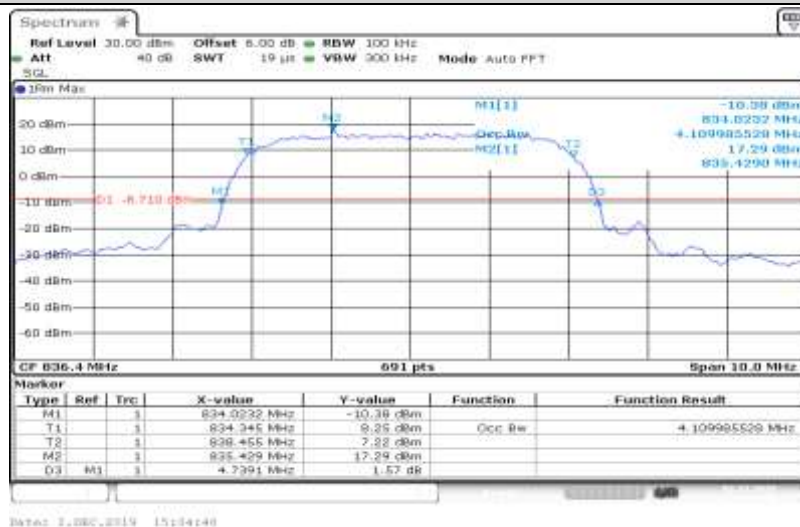
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Band V-4182-HSDPA\_Sub3



Band V-4182-HSDPA\_Sub4



Band V-4233-HSDPA\_Sub1

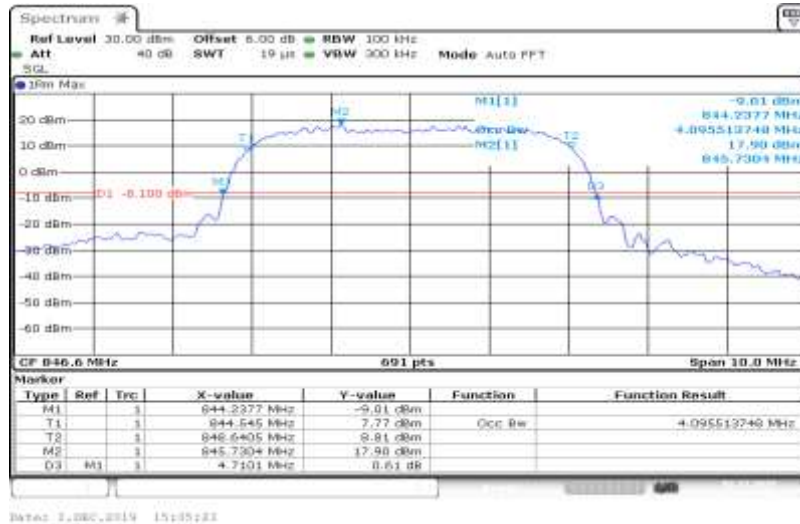
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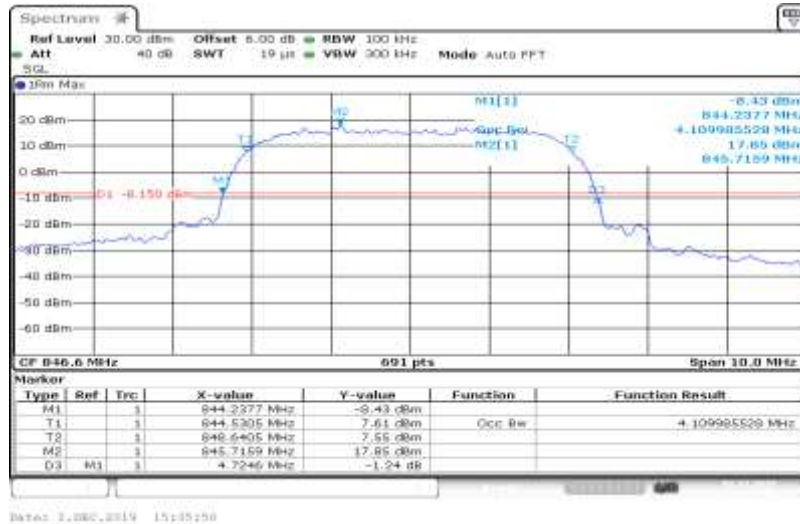
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Band V-4233-HSDPA\_Sub2



Band V-4233-HSDPA\_Sub3



Band V-4233-HSDPA\_Sub4

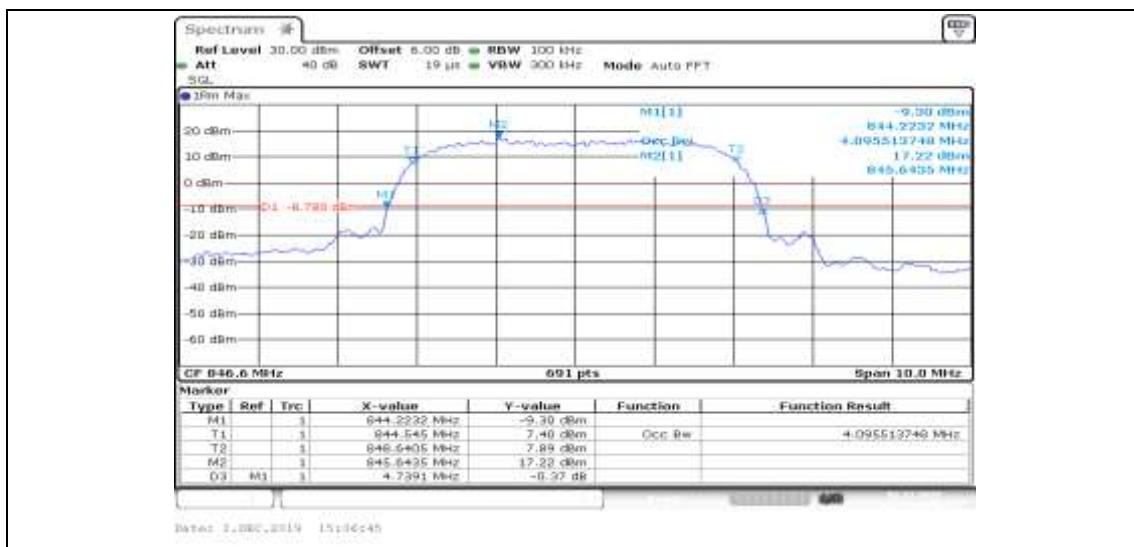
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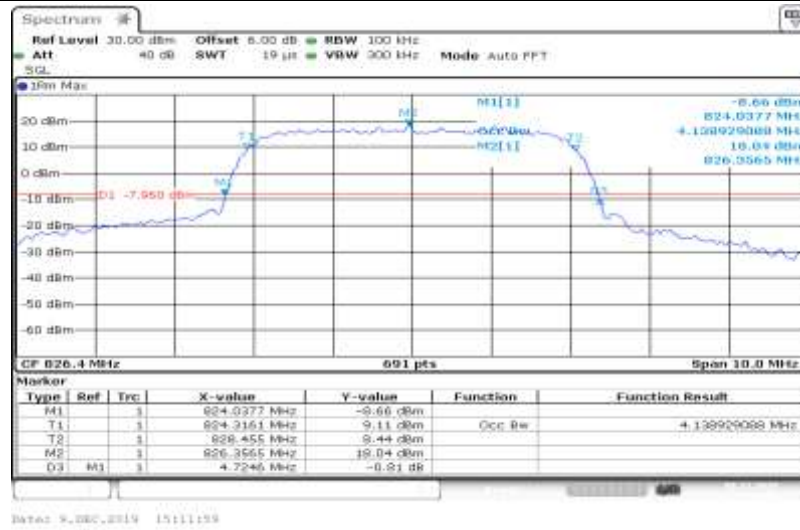
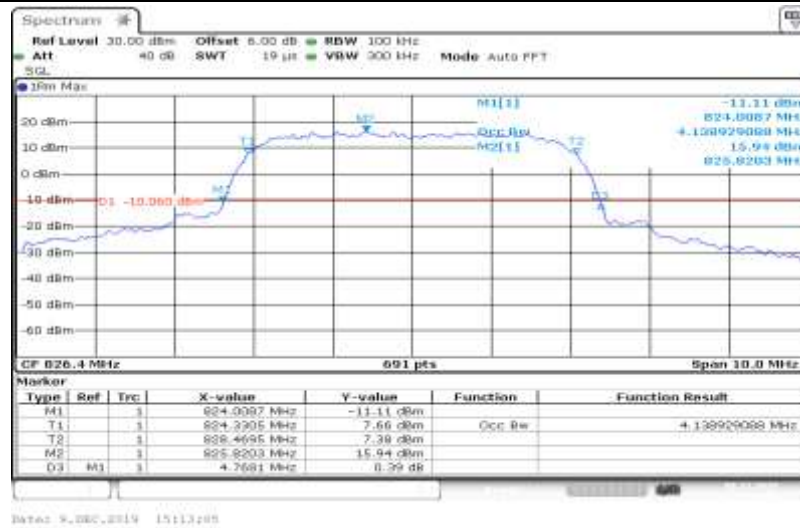
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**HSUPA:**
**Band V-4132-HSUPA\_Sub1**

**Band V-4132-HSUPA\_Sub2**

**Band V-4132-HSUPA\_Sub3**

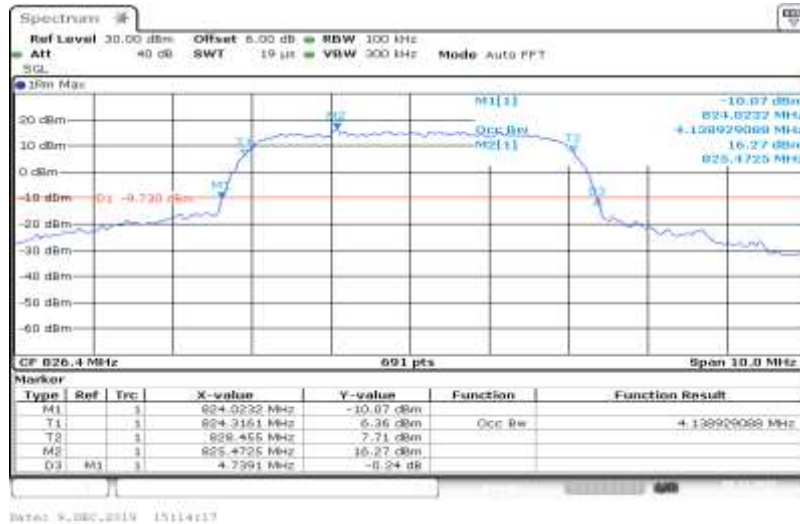
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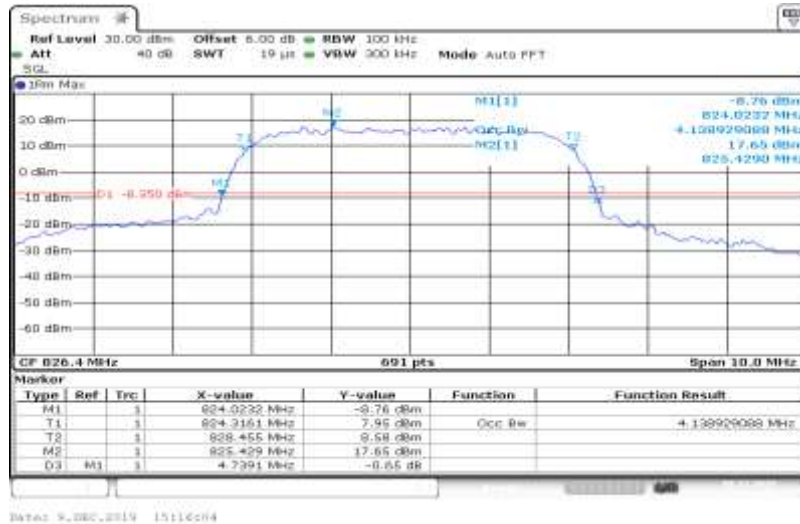
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Band V-4132-HSUPA\_Sub4



Band V-4132-HSUPA\_Sub5



Band V-4182-HSUPA\_Sub1

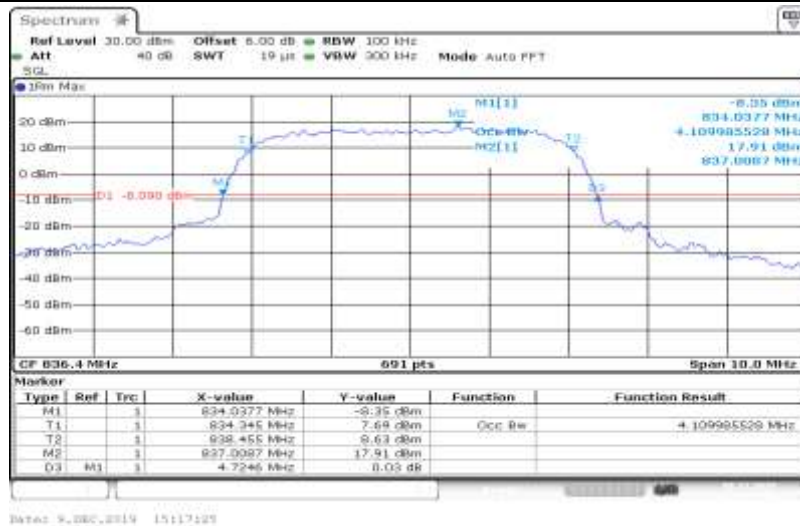
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2/F., Building 1 and 1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Longhua District, Shenzhen, Guangdong, China

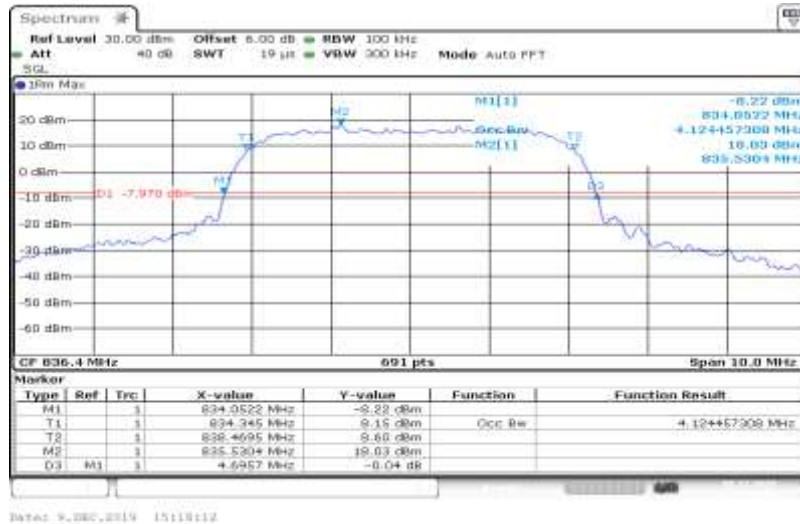
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Band V-4182-HSUPA\_Sub2



Band V-4182-HSUPA\_Sub3



Band V-4182-HSUPA\_Sub4

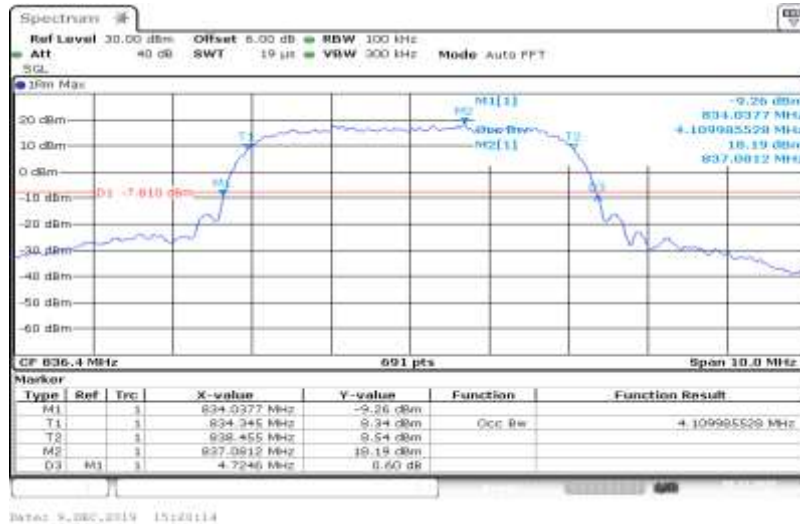
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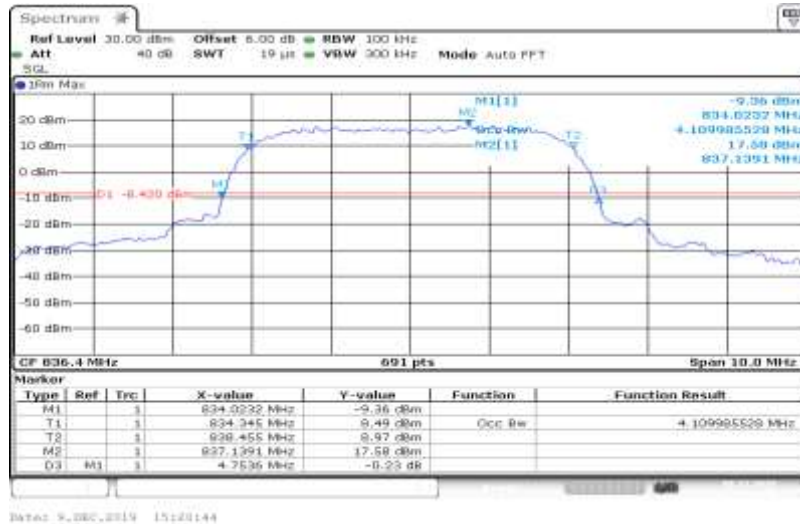
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Band V-4182-HSUPA\_Sub5



Band V-4233-HSUPA\_Sub1



Band V-4233-HSUPA\_Sub2

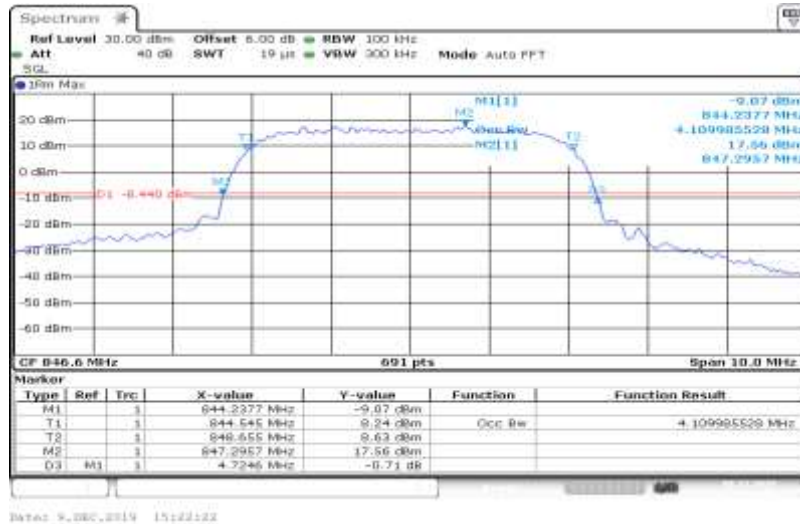
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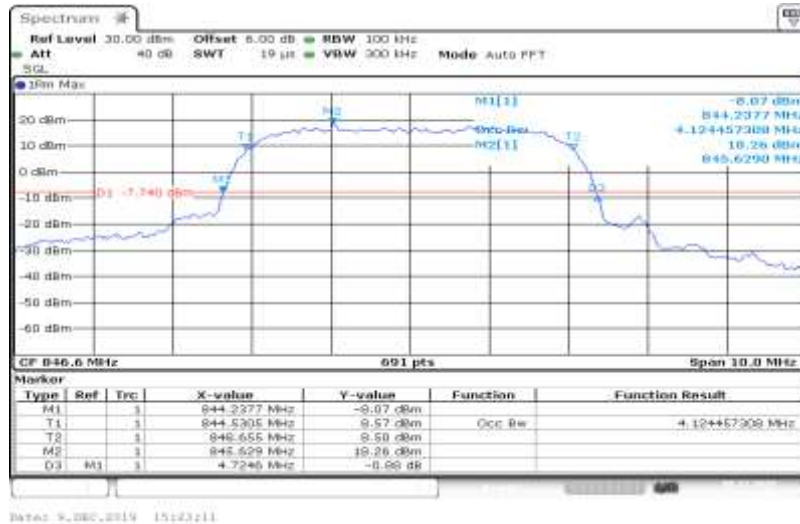
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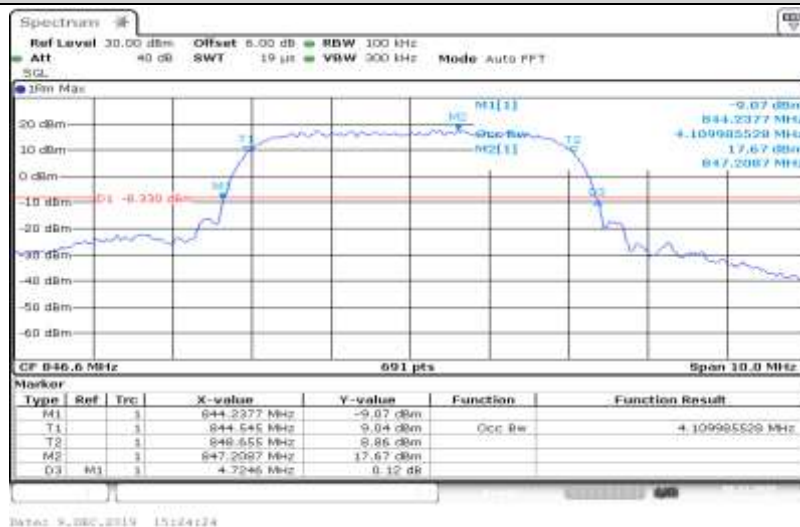
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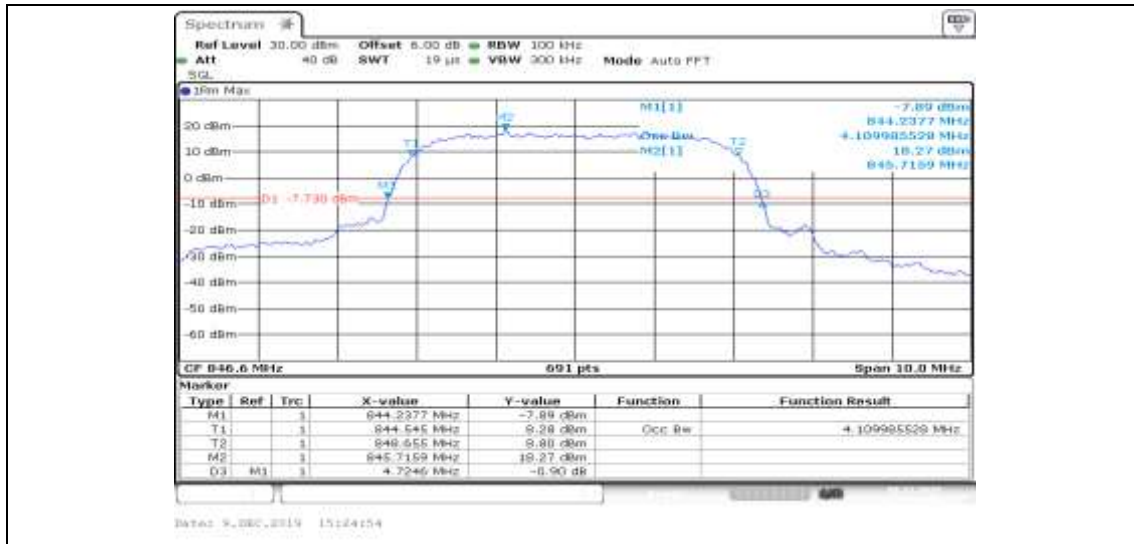
Band V-4233-HSUPA\_Sub3



Band V-4233-HSUPA\_Sub4



Band V-4233-HSUPA\_Sub5



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## AppendixD:Band Edge

### Test Result

#### WCDMA:

| Band   | Channel | Value(dBm) | Limit(dBm) | Verdict |
|--------|---------|------------|------------|---------|
| Band V | 4132    | -15.75     | -13        | PASS    |
| Band V | 4233    | -18.02     | -13        | PASS    |

#### HSDPA:

| Band   | Channel | SubTest    | Value(dBm) | Limit(dBm) | Verdict |
|--------|---------|------------|------------|------------|---------|
| Band V | 4132    | HSDPA_Sub0 | -17.82     | -13        | PASS    |
| Band V | 4132    | HSDPA_Sub1 | -15.67     | -13        | PASS    |
| Band V | 4132    | HSDPA_Sub2 | -15.65     | -13        | PASS    |
| Band V | 4132    | HSDPA_Sub3 | -16.31     | -13        | PASS    |
| Band V | 4233    | HSDPA_Sub0 | -20.15     | -13        | PASS    |
| Band V | 4233    | HSDPA_Sub1 | -17.76     | -13        | PASS    |
| Band V | 4233    | HSDPA_Sub2 | -17.52     | -13        | PASS    |
| Band V | 4233    | HSDPA_Sub3 | -17.57     | -13        | PASS    |

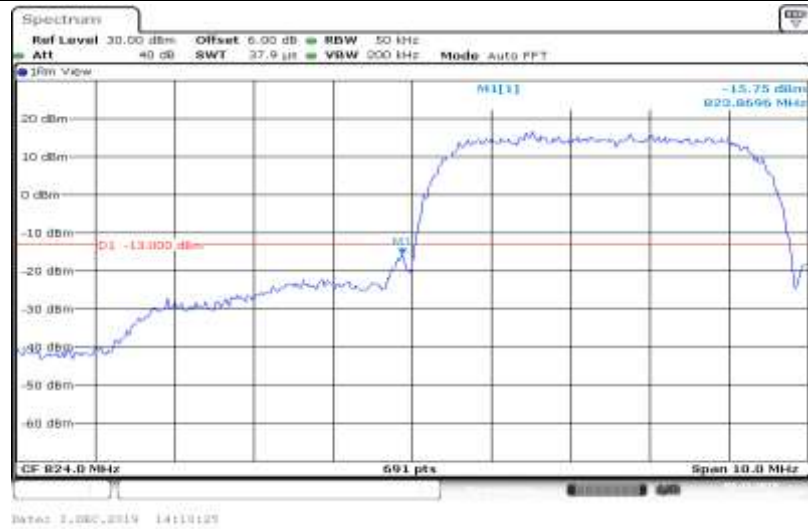
#### HSUPA:

| Band   | Channel | SubTest    | Value(dBm) | Limit(dBm) | Verdict |
|--------|---------|------------|------------|------------|---------|
| Band V | 4132    | HSUPA_Sub1 | -14.95     | -13        | PASS    |
| Band V | 4132    | HSUPA_Sub2 | -17.86     | -13        | PASS    |
| Band V | 4132    | HSUPA_Sub3 | -14.35     | -13        | PASS    |
| Band V | 4132    | HSUPA_Sub4 | -17.02     | -13        | PASS    |
| Band V | 4132    | HSUPA_Sub5 | -14.86     | -13        | PASS    |
| Band V | 4233    | HSUPA_Sub1 | -21.07     | -13        | PASS    |
| Band V | 4233    | HSUPA_Sub2 | -20.21     | -13        | PASS    |
| Band V | 4233    | HSUPA_Sub3 | -19.10     | -13        | PASS    |
| Band V | 4233    | HSUPA_Sub4 | -20.92     | -13        | PASS    |
| Band V | 4233    | HSUPA_Sub5 | -20.92     | -13        | PASS    |

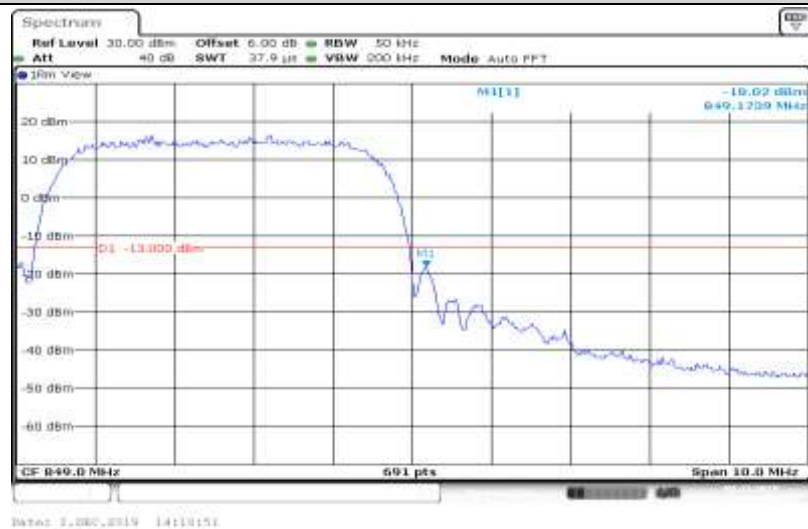
## Test Graphs

### WCDMA:

Band V-4132



Band V-4233



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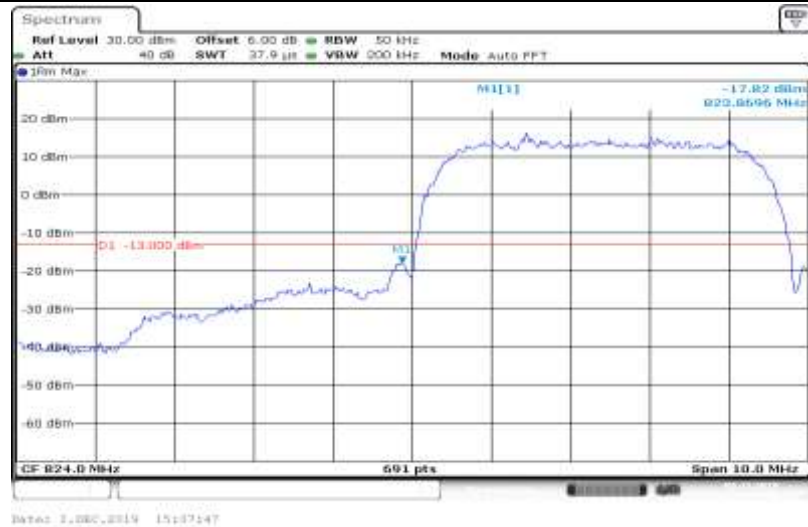
Tel.: (86)755-27521059

Fax: (86)755-27521011

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## HSDPA:

Band V-4132-HSDPA\_Sub0



Band V-4132-HSDPA\_Sub1



Band V-4132-HSDPA\_Sub2

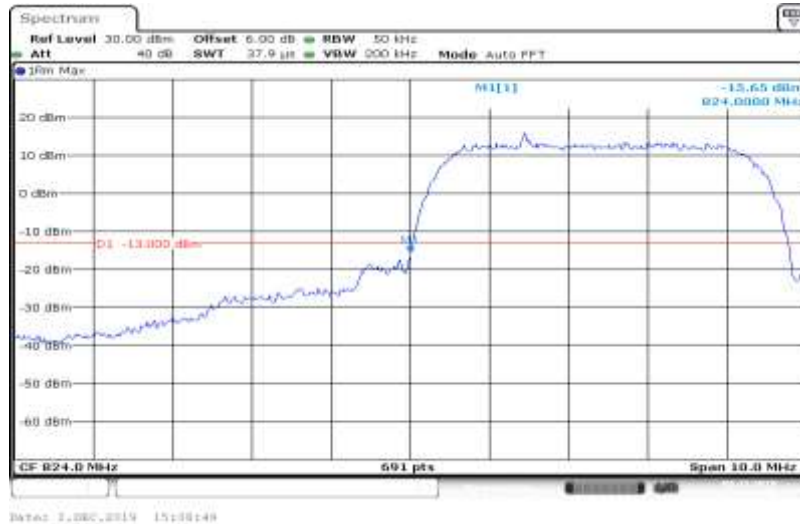
CTC Laboratories, Inc.

2/F., Building 1 and 1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Longhua District, Shenzhen, Guangdong, China

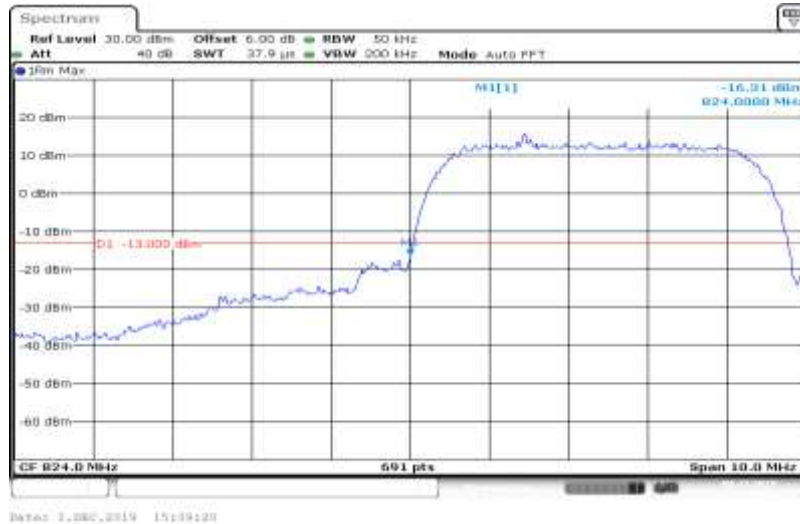
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Band V-4132-HSDPA\_Sub3



Band V-4233-HSDPA\_Sub0



Band V-4233-HSDPA\_Sub1

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Band V-4233-HSDPA\_Sub2



Band V-4233-HSDPA\_Sub3



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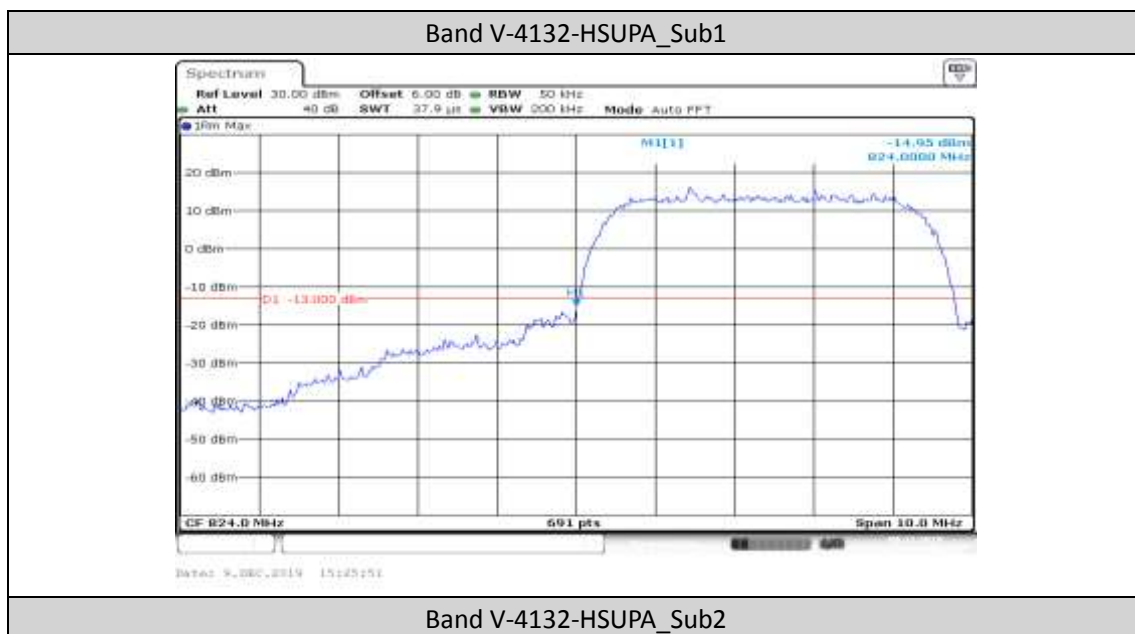
2/F., Building 1 and 1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Longhua District, Shenzhen, Guangdong, China

Tel.: (86)755-27521059

Fax: (86)755-27521011

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# HSUPA:



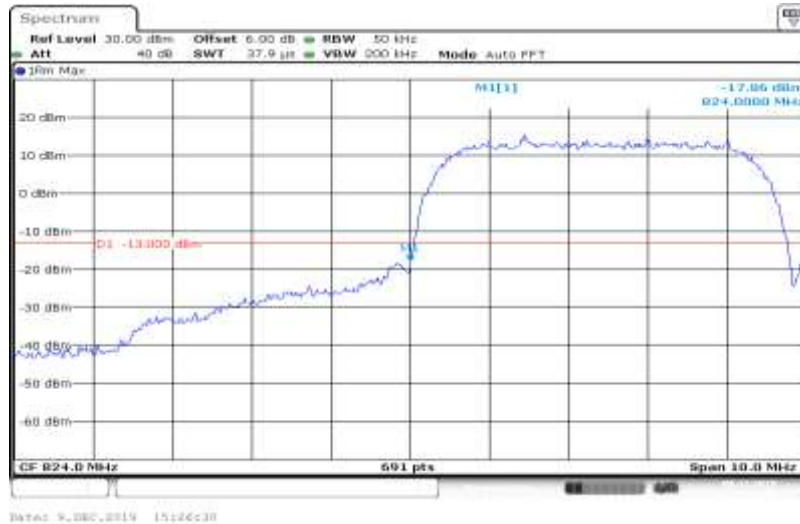
CTC Laboratories, Inc.

2/F., Building 1 and 1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Longhua District, Shenzhen, Guangdong, China

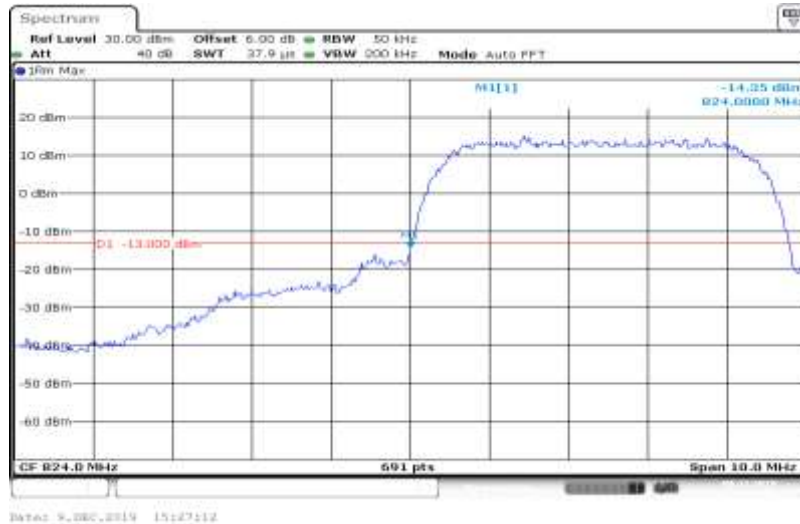
Tel.: (86)755-27521059

Fax: (86)755-27521011

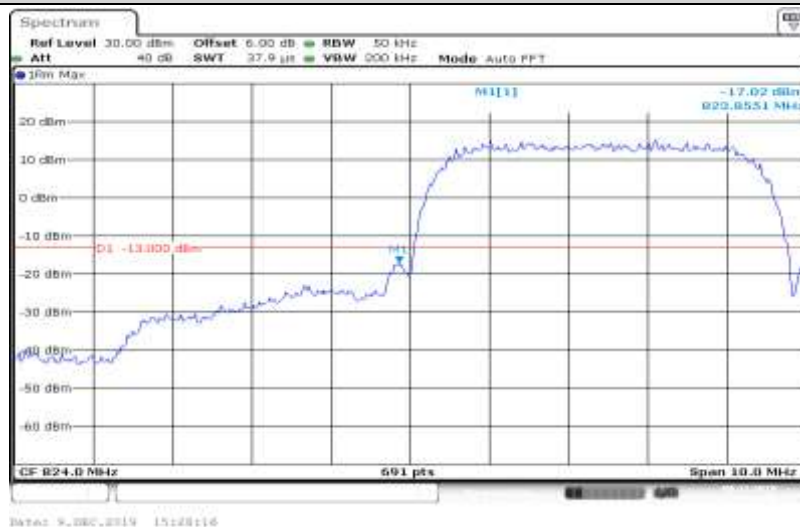
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Band V-4132-HSUPA\_Sub3



Band V-4132-HSUPA\_Sub4



Band V-4132-HSUPA\_Sub5

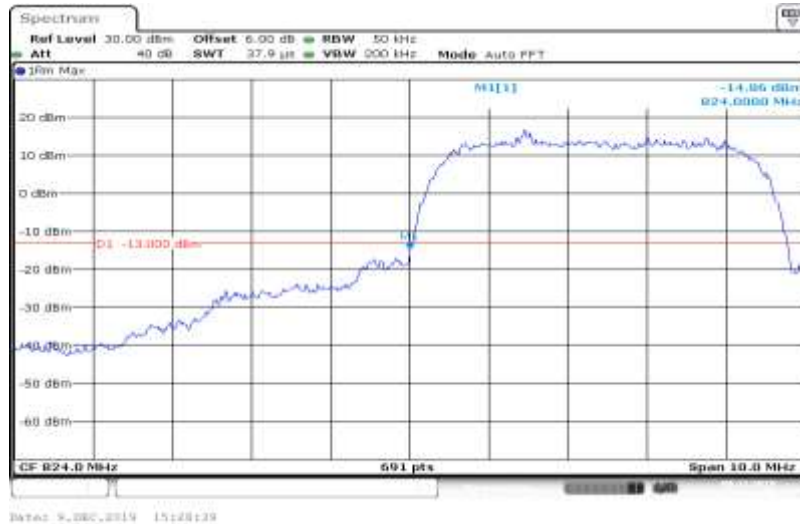
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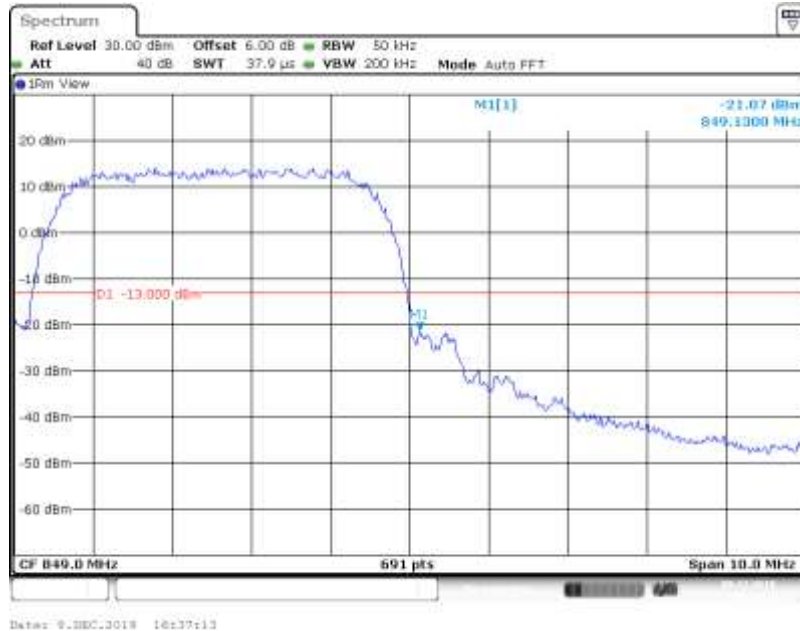
Tel.: (86)755-27521059

Fax: (86)755-27521011

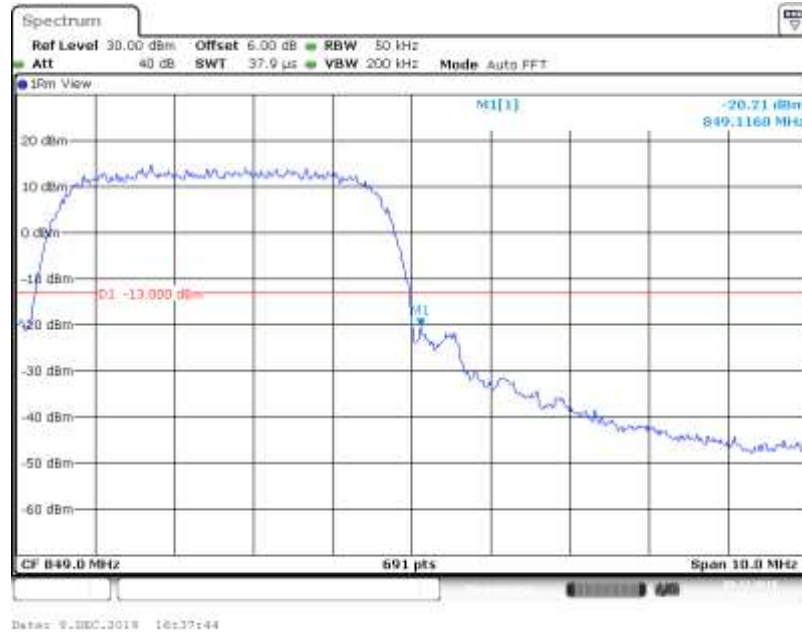
Http://www.sz-ctc.org.cn



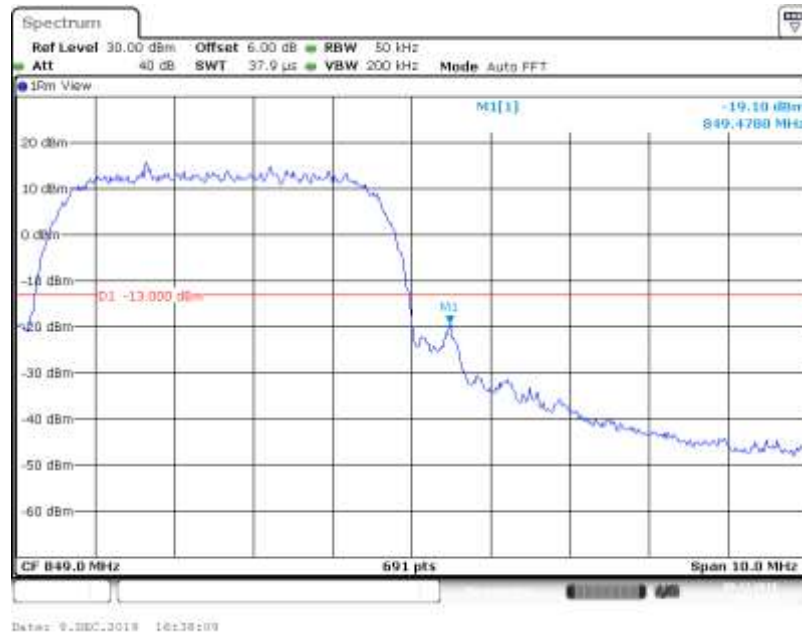
Band V-4233-HSUPA\_Sub1



Band V-4233-HSUPA\_Sub2



Band V-4233-HSUPA\_Sub3



Band V-4233-HSUPA\_Sub4

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Band V-4233-HSUPA\_Sub5

