

## FCC Test Report

**Application Purpose** : Original grant

**Applicant Name:** : INFINIX MOBILITY LIMITED

**FCC ID** : 2AIZN-X555

**Equipment Type** : Mobile phone

**Model Name** : X555

**Report Number** : FCC16083918-5

**Standard(S)** : FCC Part 22H&24E&27 Rules

**Date Of Receipt** : August 19, 2016

**Date Of Issue** : September 29, 2016

**Test By** :   
(Daisy Qin)

**Reviewed By** :   
(Sol Qin)

**Authorized by** :   
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2st. Road, Xin'an Street, Bao'an District,,Shenzhen,518000  
**Registration Number: 588523**

**REPORT REVISE RECORD**

| Report Version | Revise Time | Issued Date        | Valid Version | Notes           |
|----------------|-------------|--------------------|---------------|-----------------|
| V1.0           | /           | September 29, 2016 | Valid         | Original Report |
| V1.1           | /           | October 15, 2016   | Valid         | Original Report |

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# 1 BAND EDGE

## 1.1 Measurement Result

### GSM850:

| Test Channel | BW(MHz) | UL Channel | Frequency(MHz) | Judgement |
|--------------|---------|------------|----------------|-----------|
| Low Range    | 0.2     | 128        | 824.2          | Pass      |
| High Range   | 0.2     | 251        | 848.8          | Pass      |

### PCS 1900:

| Test Channel | BW(MHz) | UL Channel | Frequency(MHz) | Judgement |
|--------------|---------|------------|----------------|-----------|
| Low Range    | 0.2     | 512        | 1850.2         | Pass      |
| High Range   | 0.2     | 810        | 1909.8         | Pass      |

### UTRA BANDS

#### BAND 2:

| Test Channel | BW(MHz) | UL Channel | Frequency(MHz) | Judgement |
|--------------|---------|------------|----------------|-----------|
| Low Range    | 5       | 9262       | 1852.4         | Pass      |
| High Range   | 5       | 9538       | 1907.6         | Pass      |

#### BAND 4:

| Test Channel | BW(MHz) | UL Channel | Frequency(MHz) | Judgement |
|--------------|---------|------------|----------------|-----------|
| Low Range    | 5       | 1312       | 1712.4         | Pass      |
| High Range   | 5       | 1513       | 1752.6         | Pass      |

#### BAND 5:

| Test Channel | BW(MHz) | UL Channel | Frequency(MHz) | Judgement |
|--------------|---------|------------|----------------|-----------|
| Low Range    | 5       | 4132       | 826.4          | Pass      |
| High Range   | 5       | 4233       | 846.6          | Pass      |

**E-UTRA****BAND 2:**

| Bandwidth | UL Channel | Frequency | Modulation | RB Size | RB Offset | Judgement |
|-----------|------------|-----------|------------|---------|-----------|-----------|
| 1.4       | 18607      | 1850.7    | QPSK       | 6       | LOW       | Pass      |
| 1.4       | 18607      | 1850.7    | Q16        | 6       | LOW       | Pass      |
| 1.4       | 19193      | 1909.3    | QPSK       | 6       | LOW       | Pass      |
| 1.4       | 19193      | 1909.3    | Q16        | 6       | LOW       | Pass      |
| 3         | 18615      | 1851.5    | QPSK       | 15      | LOW       | Pass      |
| 3         | 18615      | 1851.5    | Q16        | 15      | LOW       | Pass      |
| 3         | 19185      | 1908.5    | QPSK       | 15      | LOW       | Pass      |
| 3         | 19185      | 1908.5    | Q16        | 15      | LOW       | Pass      |
| 5         | 18625      | 1852.5    | QPSK       | 25      | LOW       | Pass      |
| 5         | 18625      | 1852.5    | Q16        | 25      | LOW       | Pass      |
| 5         | 19175      | 1907.5    | QPSK       | 25      | LOW       | Pass      |
| 5         | 19175      | 1907.5    | Q16        | 25      | LOW       | Pass      |
| 10        | 18650      | 1855      | QPSK       | 50      | LOW       | Pass      |
| 10        | 18650      | 1855      | Q16        | 50      | LOW       | Pass      |
| 10        | 19150      | 1905      | QPSK       | 50      | LOW       | Pass      |
| 10        | 19150      | 1905      | Q16        | 50      | LOW       | Pass      |
| 15        | 18675      | 1857.5    | QPSK       | 75      | LOW       | Pass      |
| 15        | 18675      | 1857.5    | Q16        | 75      | LOW       | Pass      |
| 15        | 19125      | 1902.5    | QPSK       | 75      | LOW       | Pass      |
| 15        | 19125      | 1902.5    | Q16        | 75      | LOW       | Pass      |
| 20        | 18700      | 1860      | QPSK       | 100     | LOW       | Pass      |
| 20        | 18700      | 1860      | Q16        | 100     | LOW       | Pass      |
| 20        | 19100      | 1900      | QPSK       | 100     | LOW       | Pass      |
| 20        | 19100      | 1900      | Q16        | 100     | LOW       | Pass      |

**BAND 4:**

| Bandwidth | UL Channel | Frequency | Modulation | RB Size | RB Offset | Judgement |
|-----------|------------|-----------|------------|---------|-----------|-----------|
| 1.4       | 18607      | 1850.7    | QPSK       | 6       | LOW       | Pass      |
| 1.4       | 18607      | 1850.7    | Q16        | 6       | LOW       | Pass      |
| 1.4       | 19193      | 1909.3    | QPSK       | 6       | LOW       | Pass      |
| 1.4       | 19193      | 1909.3    | Q16        | 6       | LOW       | Pass      |
| 3         | 18615      | 1851.5    | QPSK       | 15      | LOW       | Pass      |
| 3         | 18615      | 1851.5    | Q16        | 15      | LOW       | Pass      |
| 3         | 19185      | 1908.5    | QPSK       | 15      | LOW       | Pass      |
| 3         | 19185      | 1908.5    | Q16        | 15      | LOW       | Pass      |
| 5         | 18625      | 1852.5    | QPSK       | 25      | LOW       | Pass      |

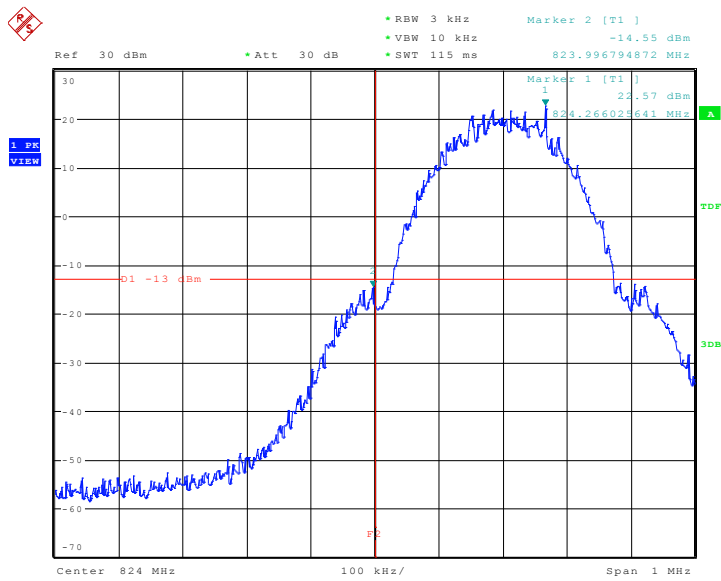
| Bandwidth | UL Channel | Frequency | Modulation | RB Size | RB Offset | Judgement |
|-----------|------------|-----------|------------|---------|-----------|-----------|
| 5         | 18625      | 1852.5    | Q16        | 25      | LOW       | Pass      |
| 5         | 19175      | 1907.5    | QPSK       | 25      | LOW       | Pass      |
| 5         | 19175      | 1907.5    | Q16        | 25      | LOW       | Pass      |
| 10        | 18650      | 1855      | QPSK       | 50      | LOW       | Pass      |
| 10        | 18650      | 1855      | Q16        | 50      | LOW       | Pass      |
| 10        | 19150      | 1905      | QPSK       | 50      | LOW       | Pass      |
| 10        | 19150      | 1905      | Q16        | 50      | LOW       | Pass      |
| 15        | 18675      | 1857.5    | QPSK       | 75      | LOW       | Pass      |
| 15        | 18675      | 1857.5    | Q16        | 75      | LOW       | Pass      |
| 15        | 19125      | 1902.5    | QPSK       | 75      | LOW       | Pass      |
| 15        | 19125      | 1902.5    | Q16        | 75      | LOW       | Pass      |
| 20        | 18700      | 1860      | QPSK       | 100     | LOW       | Pass      |
| 20        | 18700      | 1860      | Q16        | 100     | LOW       | Pass      |
| 20        | 19100      | 1900      | QPSK       | 100     | LOW       | Pass      |
| 20        | 19100      | 1900      | Q16        | 100     | LOW       | Pass      |

**BAND 7:**

| Bandwidth | UL Channel | Frequency | Modulation | RB Size | RB Offset | Judgement |
|-----------|------------|-----------|------------|---------|-----------|-----------|
| 5         | 20775      | 2502.5    | QPSK       | 25      | LOW       | Pass      |
| 5         | 20775      | 2502.5    | Q16        | 25      | LOW       | Pass      |
| 5         | 21425      | 2567.5    | QPSK       | 25      | LOW       | Pass      |
| 5         | 21425      | 2567.5    | Q16        | 25      | LOW       | Pass      |
| 10        | 20800      | 2505      | QPSK       | 50      | LOW       | Pass      |
| 10        | 20800      | 2505      | Q16        | 50      | LOW       | Pass      |
| 10        | 21400      | 2565      | QPSK       | 50      | LOW       | Pass      |
| 10        | 21400      | 2565      | Q16        | 50      | LOW       | Pass      |
| 15        | 20825      | 2507.5    | QPSK       | 75      | LOW       | Pass      |
| 15        | 20825      | 2507.5    | Q16        | 75      | LOW       | Pass      |
| 15        | 21375      | 2562.5    | QPSK       | 75      | LOW       | Pass      |
| 15        | 21375      | 2562.5    | Q16        | 75      | LOW       | Pass      |
| 20        | 20850      | 2510      | QPSK       | 100     | LOW       | Pass      |
| 20        | 20850      | 2510      | Q16        | 100     | LOW       | Pass      |
| 20        | 21350      | 2560      | QPSK       | 100     | LOW       | Pass      |
| 20        | 21350      | 2560      | Q16        | 100     | LOW       | Pass      |

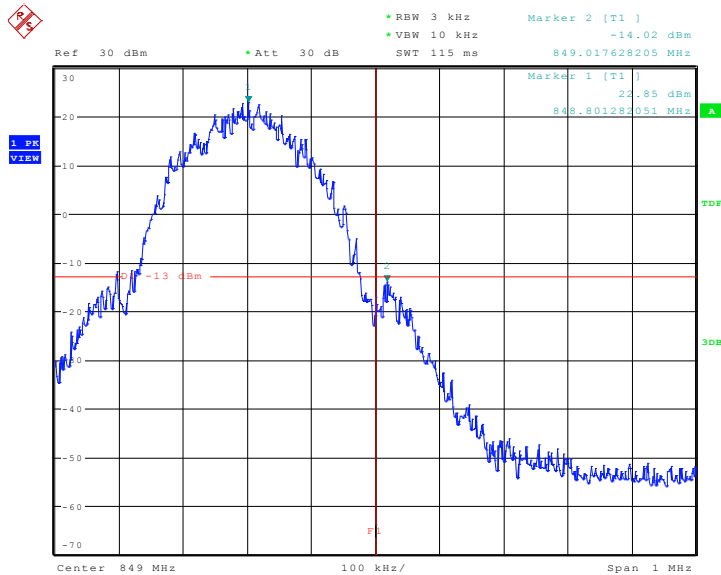
## 1.2 Test Plot(s)

### Low Band Edge GSM 850 BAND CH 128



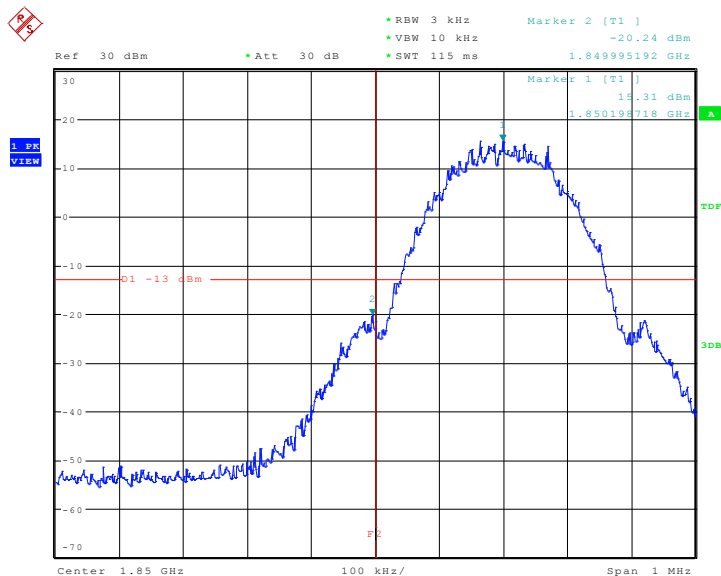
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### High Band Edge GSM 850 BAND CH 251



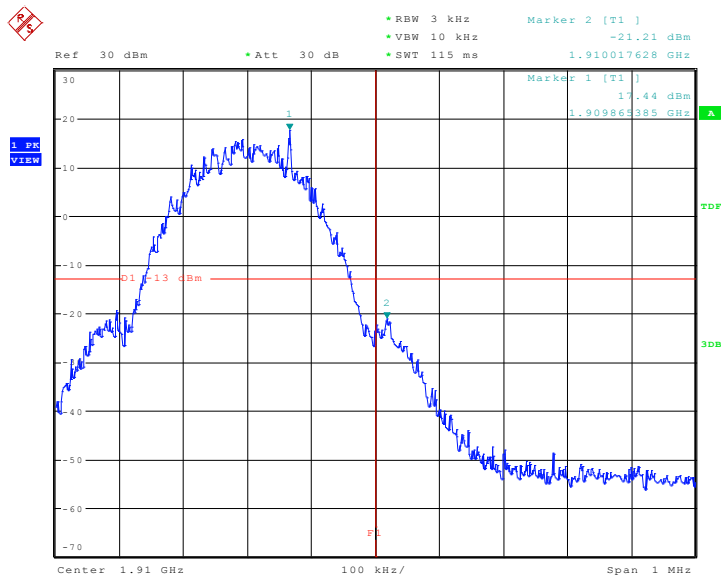
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### Low Band Edge PCS 1900 BAND CH 512



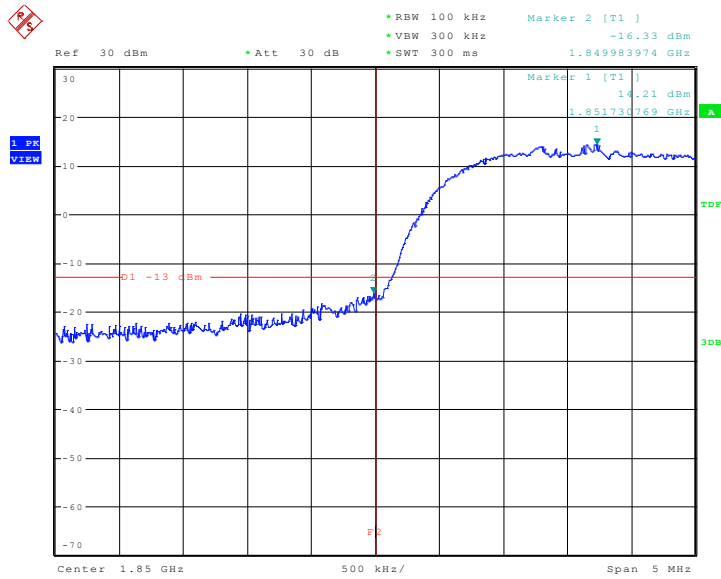
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### High Band Edge PCS 1900 BAND CH 810



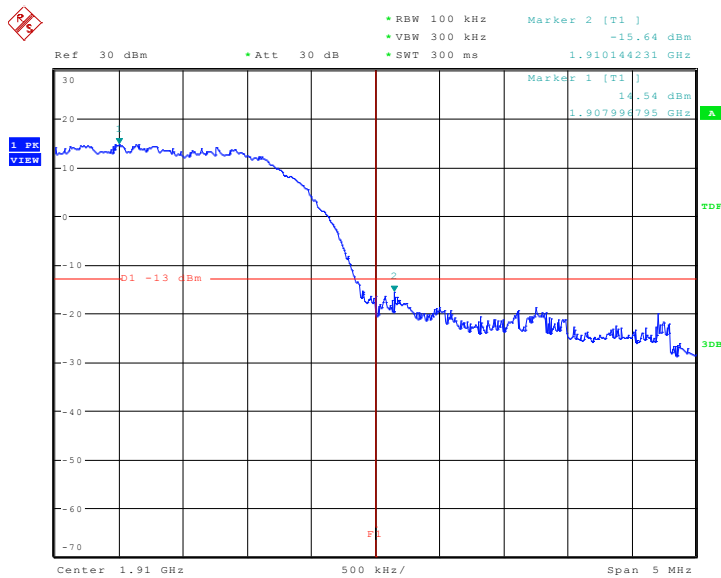
Date: 13.SEP.2016 09:25:45

### Low Band Edge WCDMA BAND II CH 9263



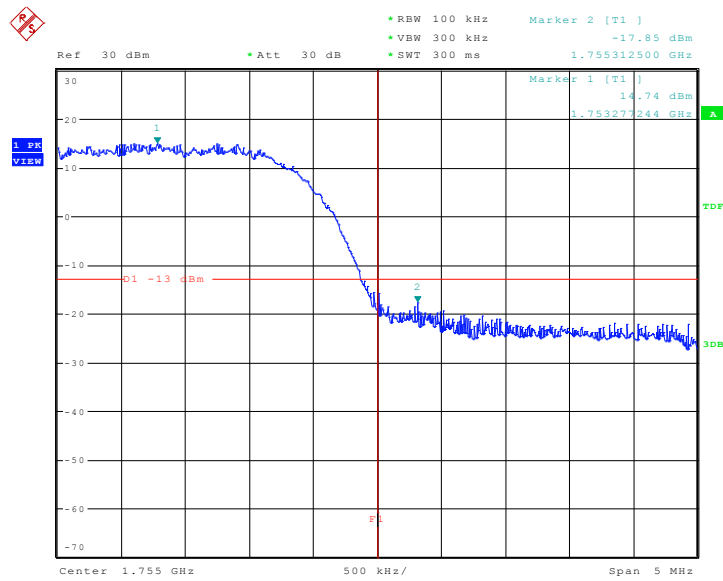
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### High Band Edge WCDMA BAND II CH 9537



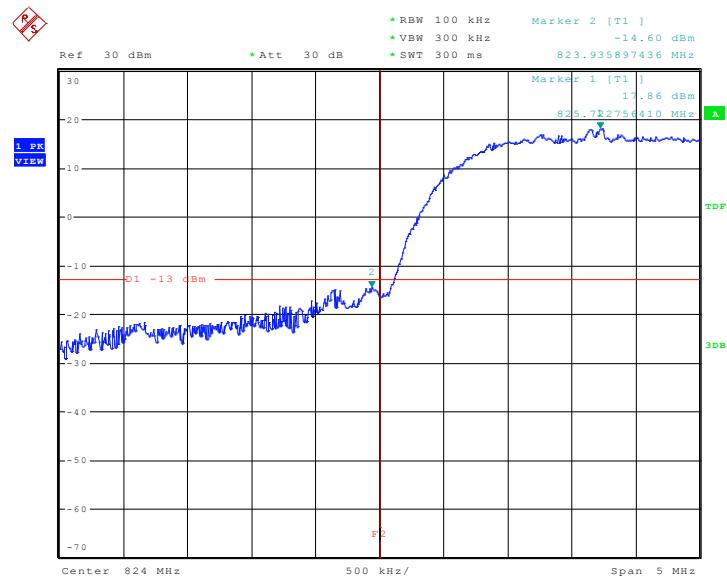
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### Low Band Edge WCDMA BAND IV CH 1512



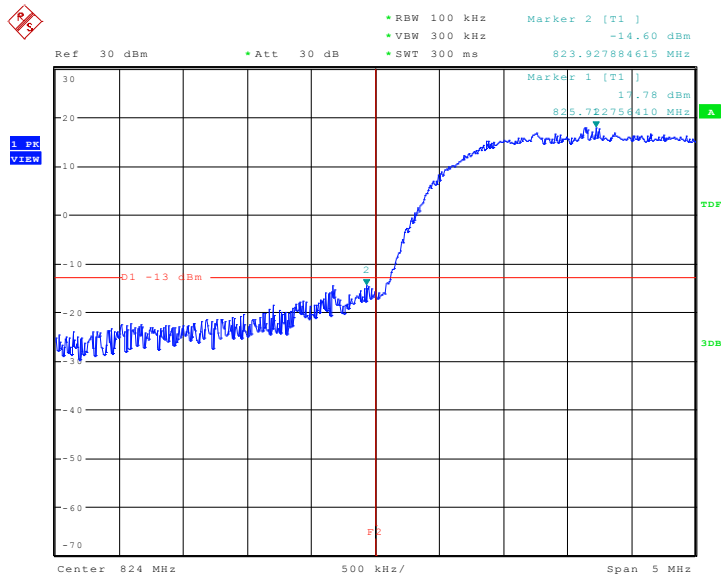
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### High Band Edge WCDMA BAND V CH 4133



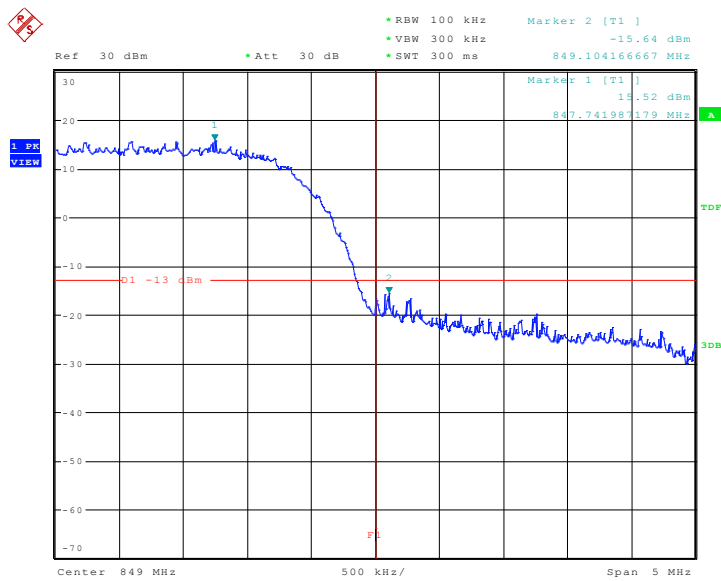
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## Low Band Edge WCDMA BAND V CH 4133



Date: 13.SEP.2016 10:01:58

## High Band Edge WCDMA BAND V CH 4232

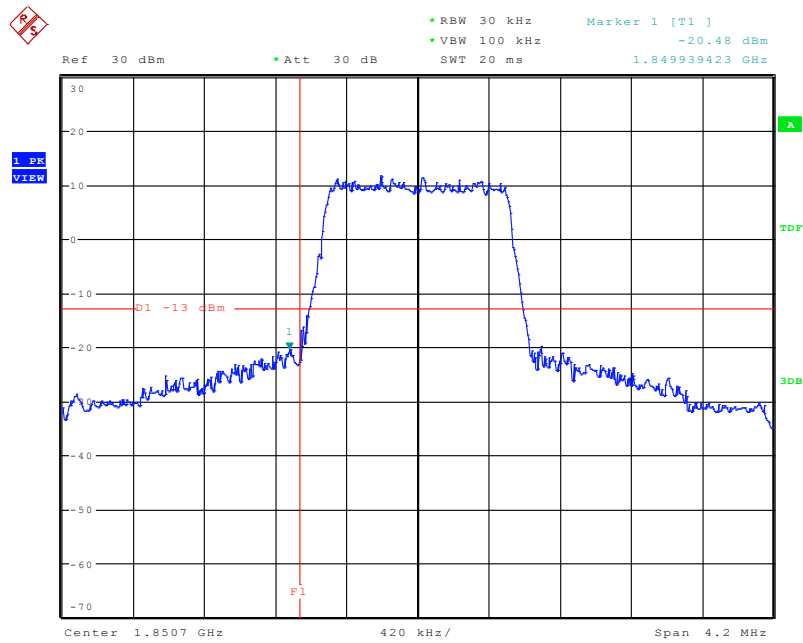


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# E-UTRA BANDS

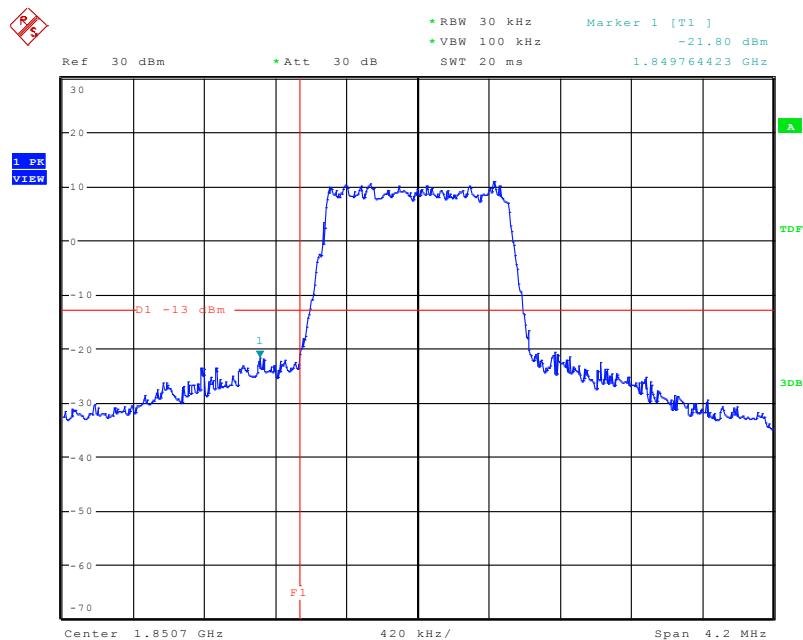
## BAND 2@Band Edge

BAND2-1850.756MHz,QPSK-6RB\_LOW@Pass



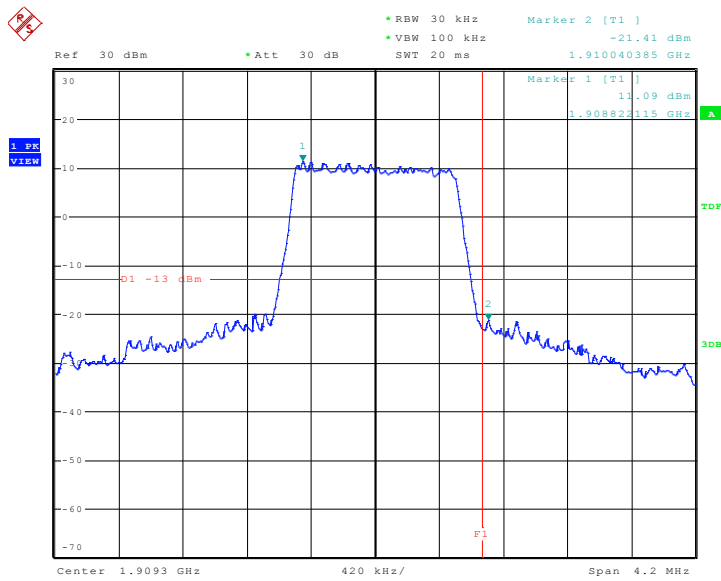
Date: 23.SEP.2016 14:59:05

BAND2-1850.7MHz,Q16-6RB\_LOW@Pass



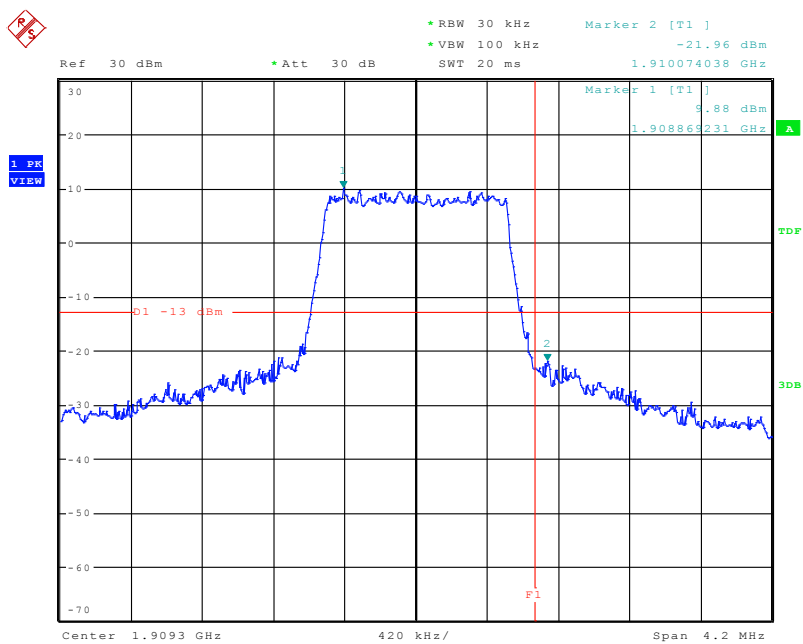
Date: 23.SEP.2016 15:03:45

### BAND2-1909.3MHz,QPSK-6RB\_LOW@Pass

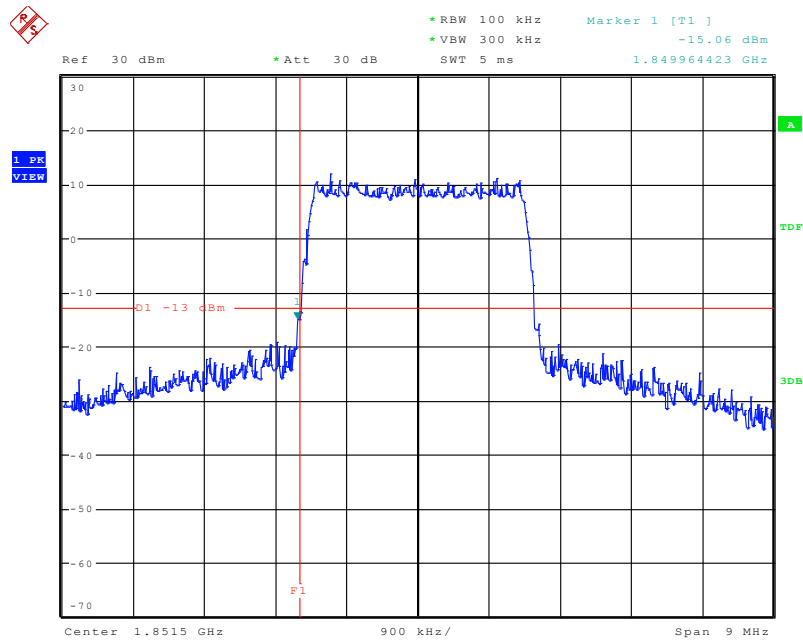


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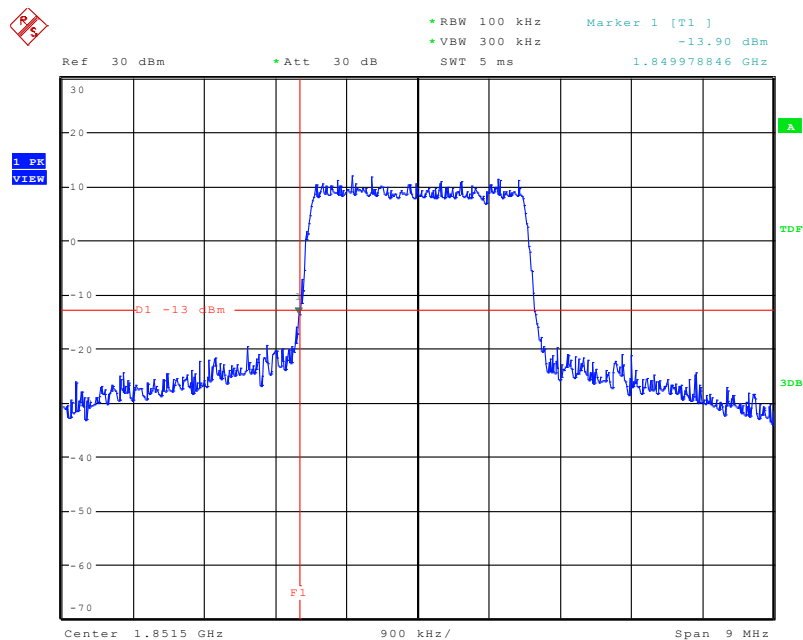
### BAND2-1909.3MHz,Q16-6RB\_LOW@Pass



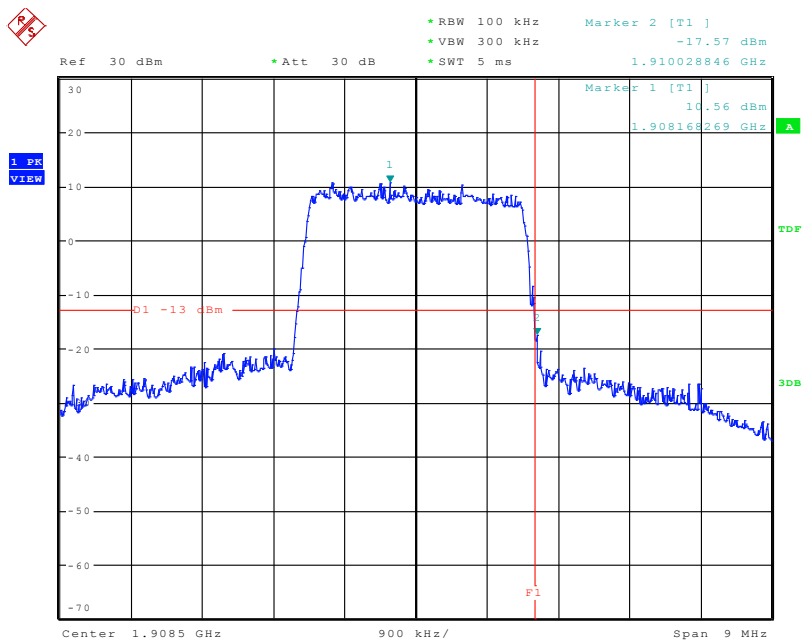
Date: 24.SEP.2016 09:34:22

**BAND2-1851.5MHz,QPSK-15RB\_LOW@Pass**

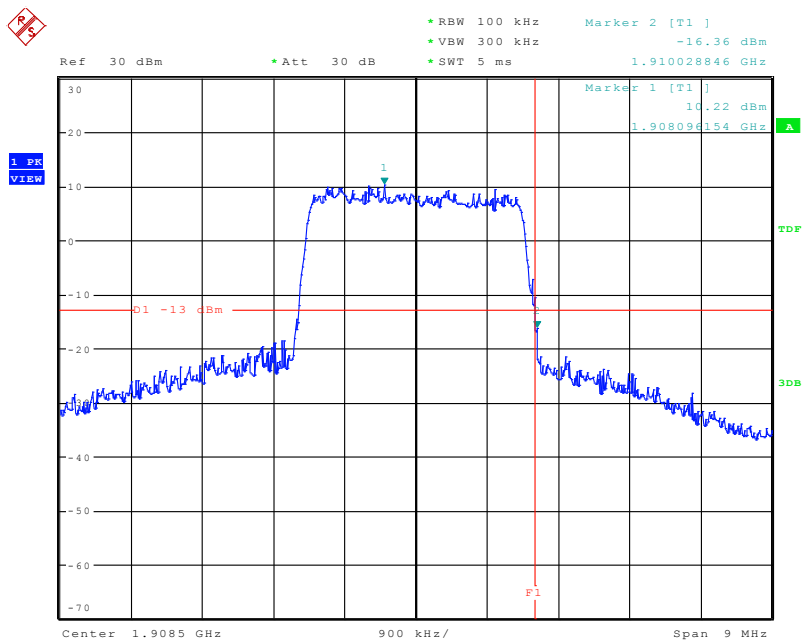
Date: 23.SEP.2016 15:08:45

**BAND2-1851.5MHz,Q16-15RB\_LOW@Pass**

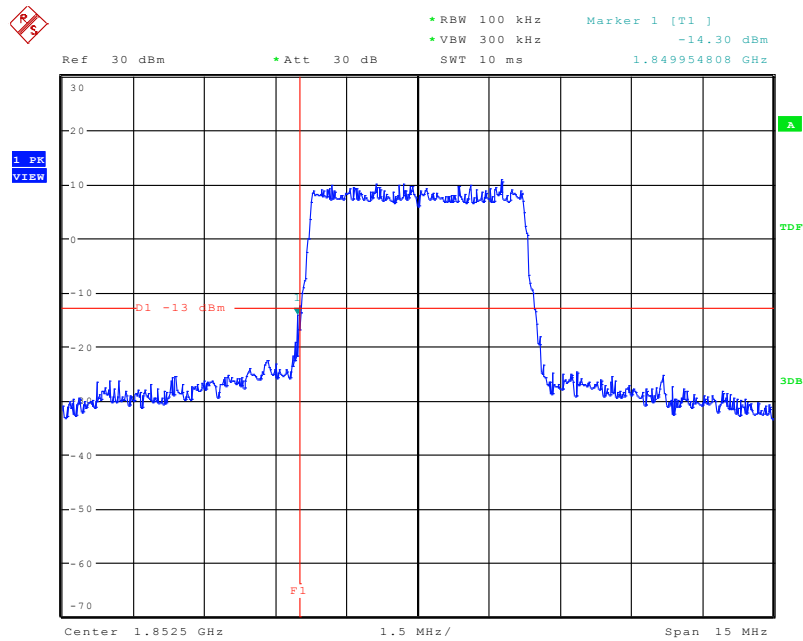
Date: 23.SEP.2016 15:09:17

**BAND2-1908.5MHz,QPSK-15RB\_LOW@Pass**

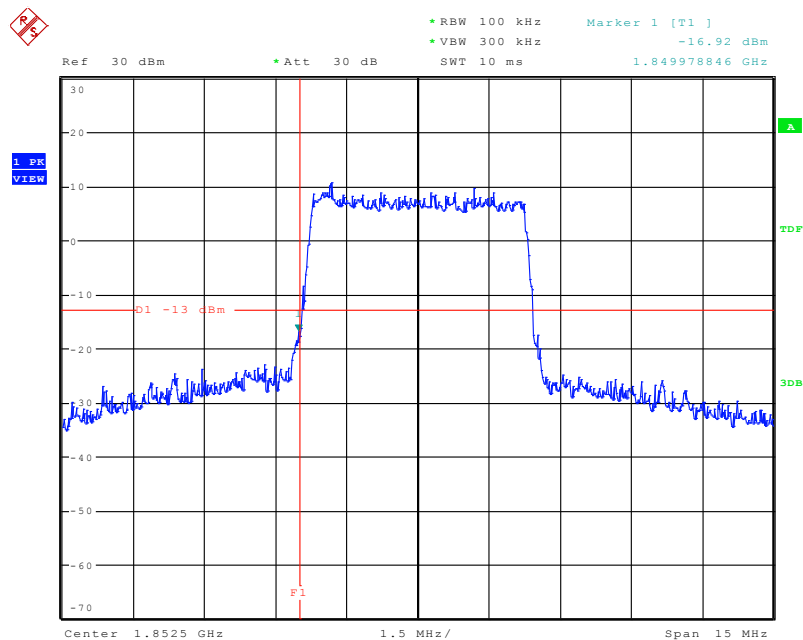
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**BAND2-1908.5MHz,Q16-15RB\_LOW@Pass**

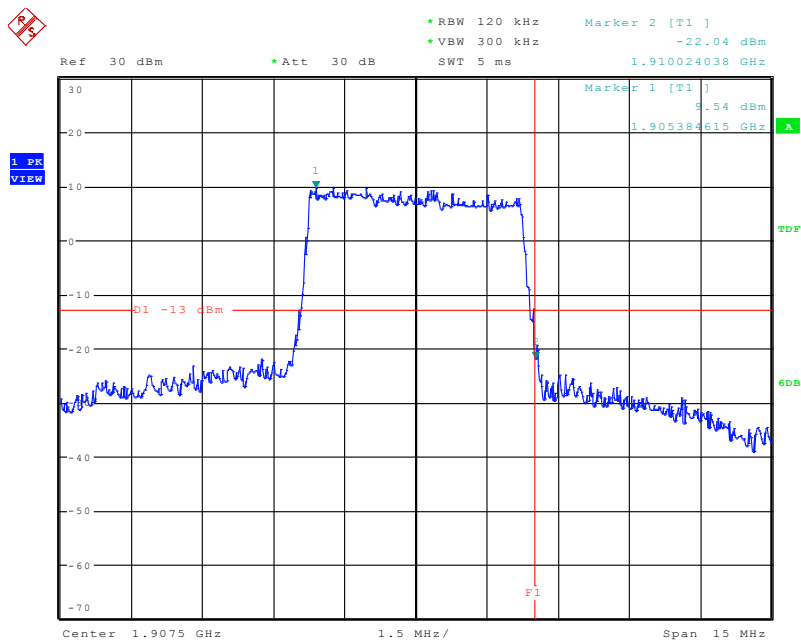
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**BAND2-1852.5MHz,QPSK-25RB\_LOW@Pass**

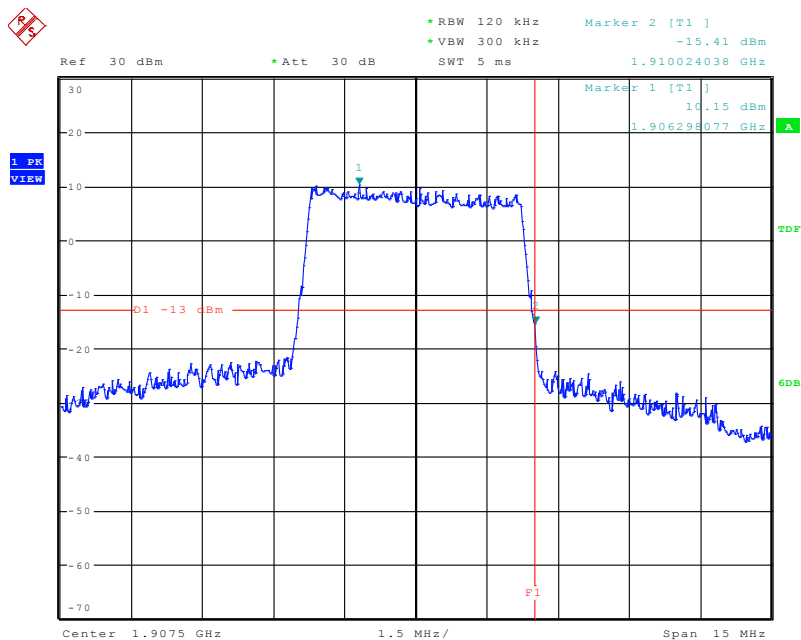
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**BAND2-1852.5MHz,Q16-25RB\_LOW@Pass**

Date: 23.SEP.2016 15:11:35

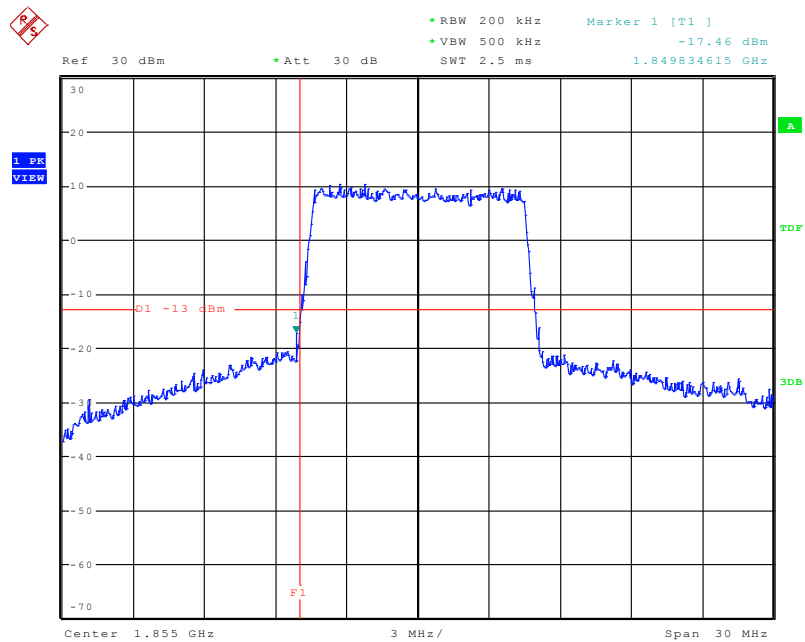
**BAND2-1907.5MHz,QPSK-25RB\_LOW@Pass**

Date: 8.SEP.2016 14:36:30

**BAND2-1907.5MHz,Q16-25RB\_LOW@Pass**

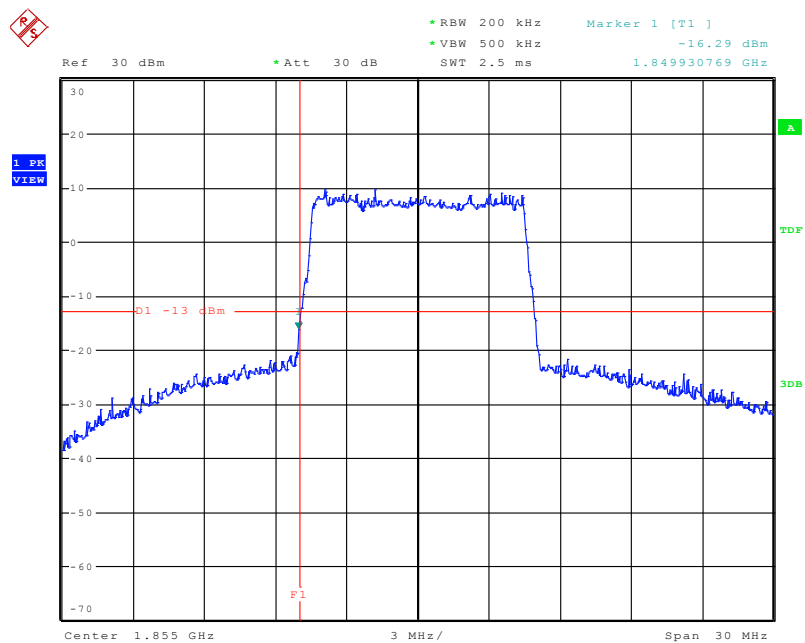
Date: 8.SEP.2016 14:37:21

## BAND2-1855MHz,QPSK-50RB\_LOW@Pass



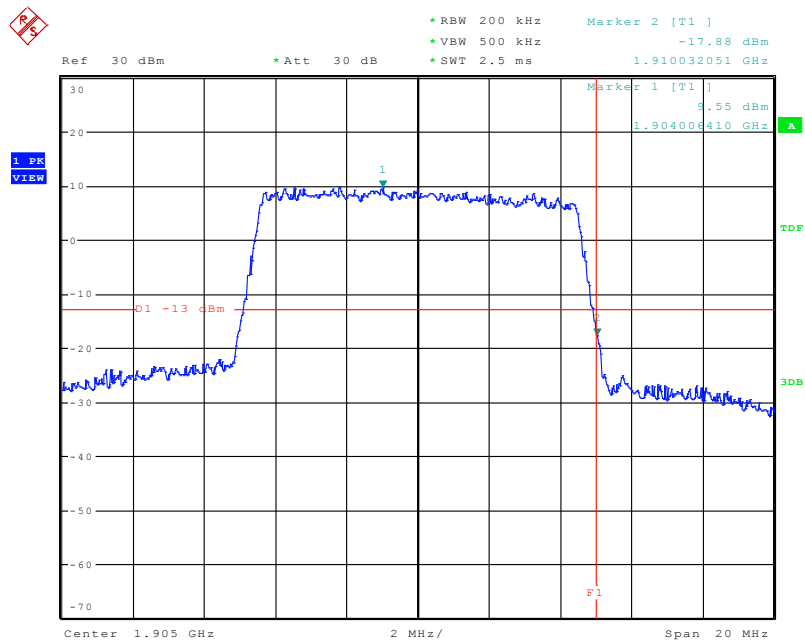
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## BAND2-1855MHz,Q16-50RB\_LOW@Pass



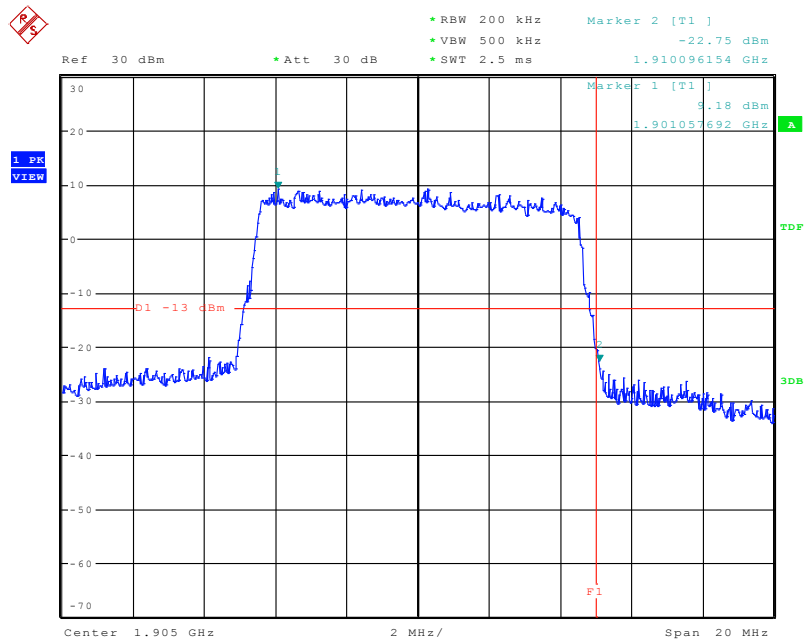
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## BAND2-1905MHz,QPSK-50RB\_LOW@Pass

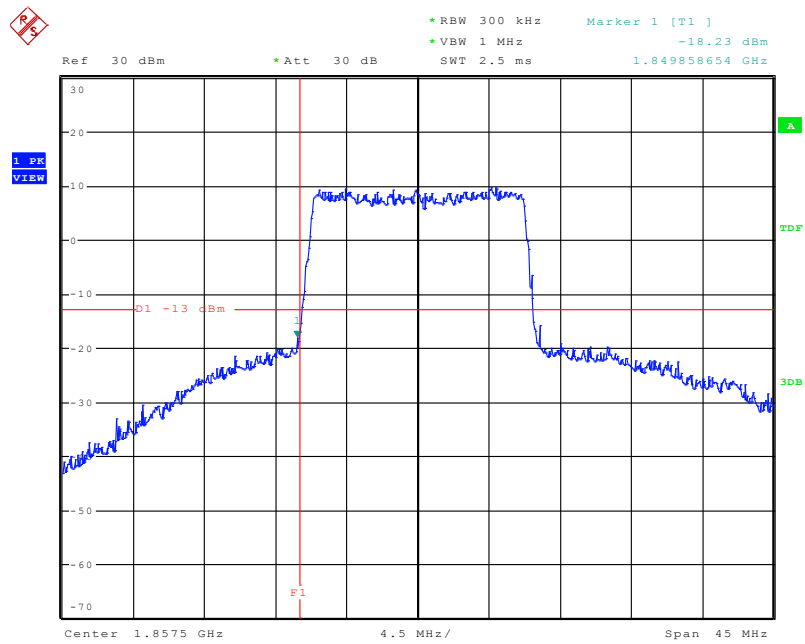


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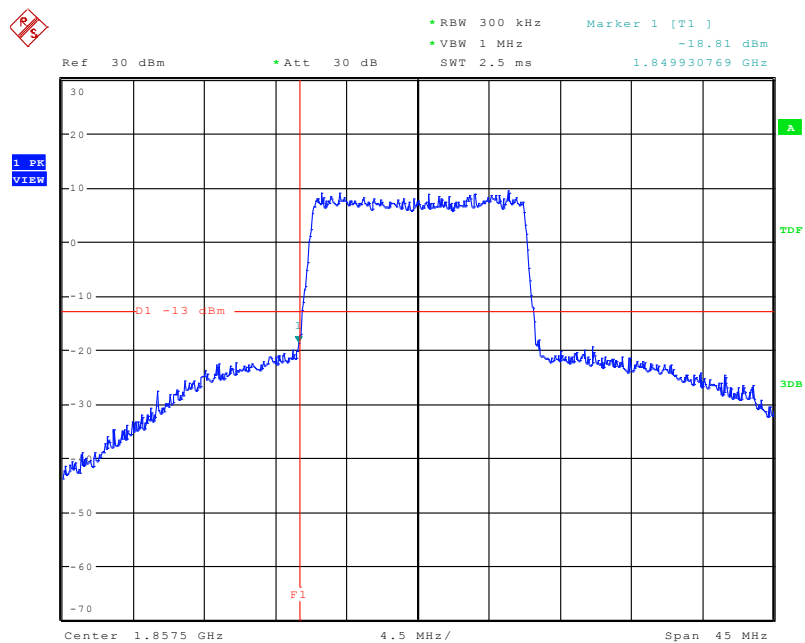
## BAND2-1905MHz,Q16-50RB\_LOW@Pass



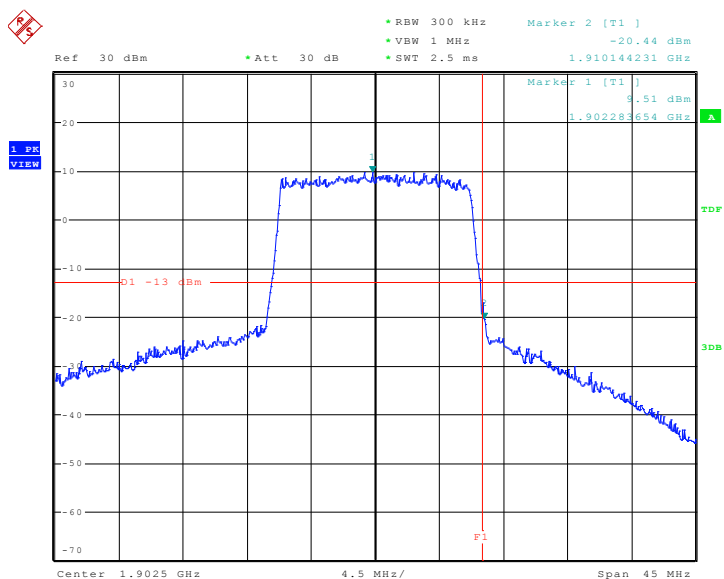
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**BAND2-1857.5MHz,QPSK-75RB\_LOW@Pass**

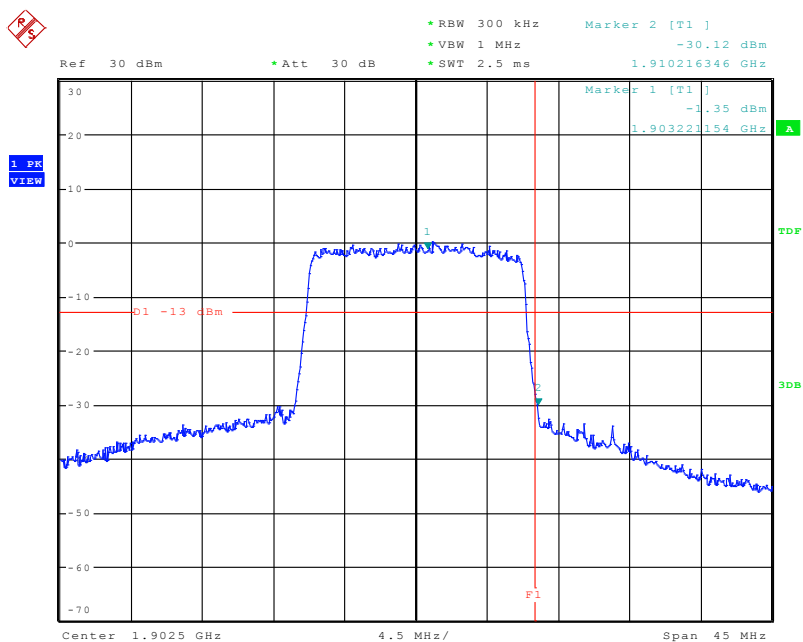
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**BAND2-1857.5MHz,Q16-75RB\_LOW@Pass**

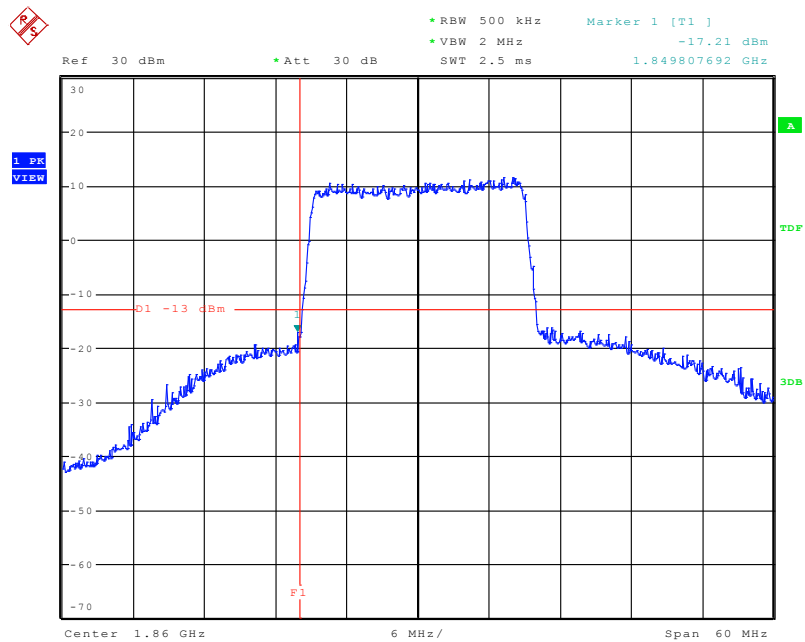
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**BAND2-1902.5MHz,QPSK-75RB\_LOW@Pass**

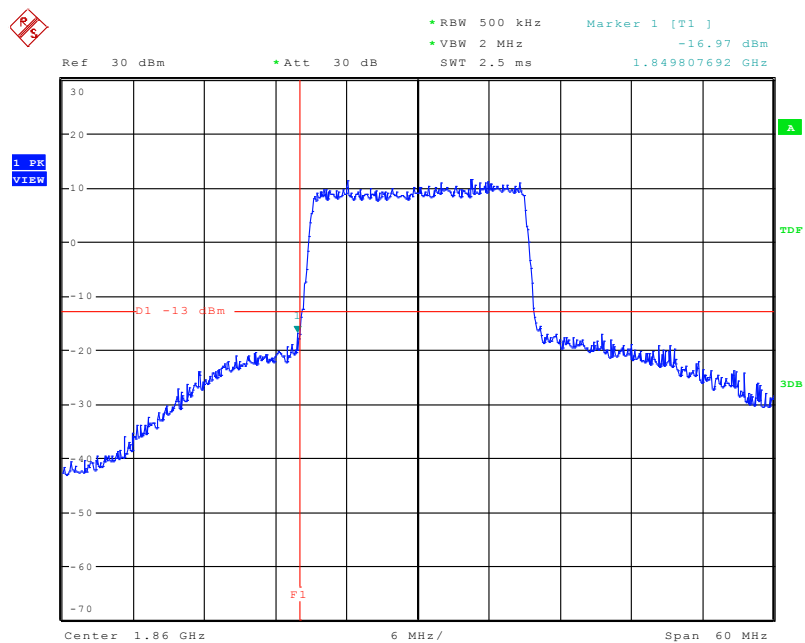
Date: 24.SEP.2016 09:49:08

**BAND2-1902.5MHz,Q16-75RB\_LOW@Pass**

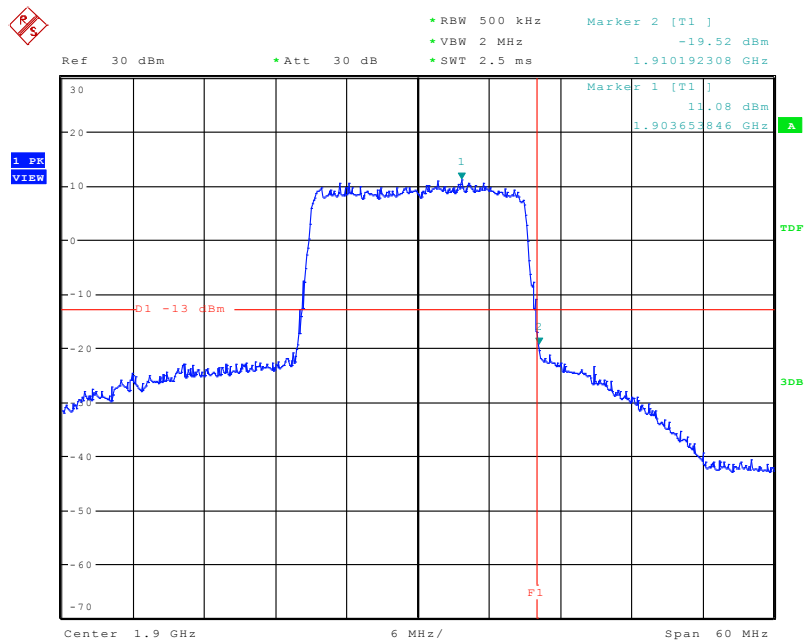
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**BAND2-1860MHz,QPSK-100RB\_LOW@Pass**

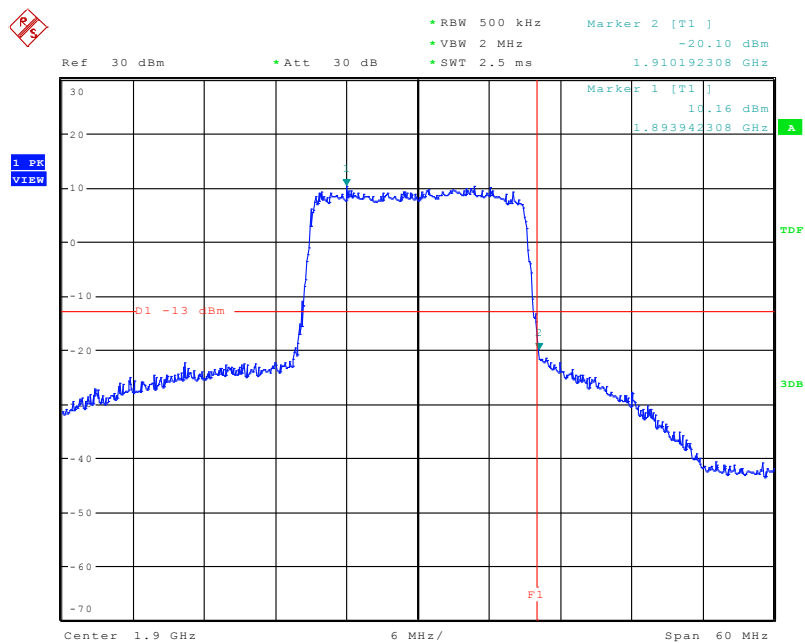
Date: 23.SEP.2016 15:23:45

**BAND2-1860MHz,Q16-100RB\_LOW@Pass**

Date: 23.SEP.2016 15:24:23

**BAND2-1900MHz,QPSK-100RB\_LOW@Pass**

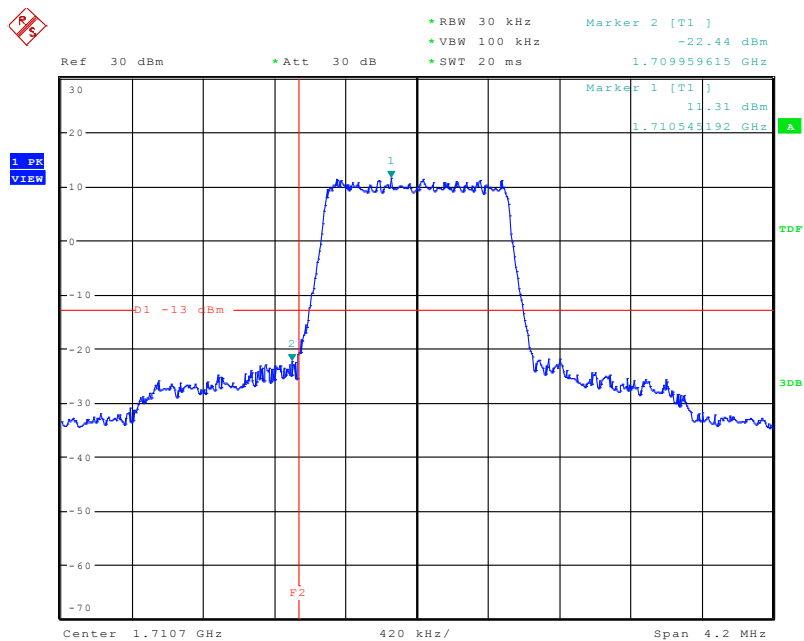
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**BAND2-1900MHz,Q16-100RB\_LOW@Pass**

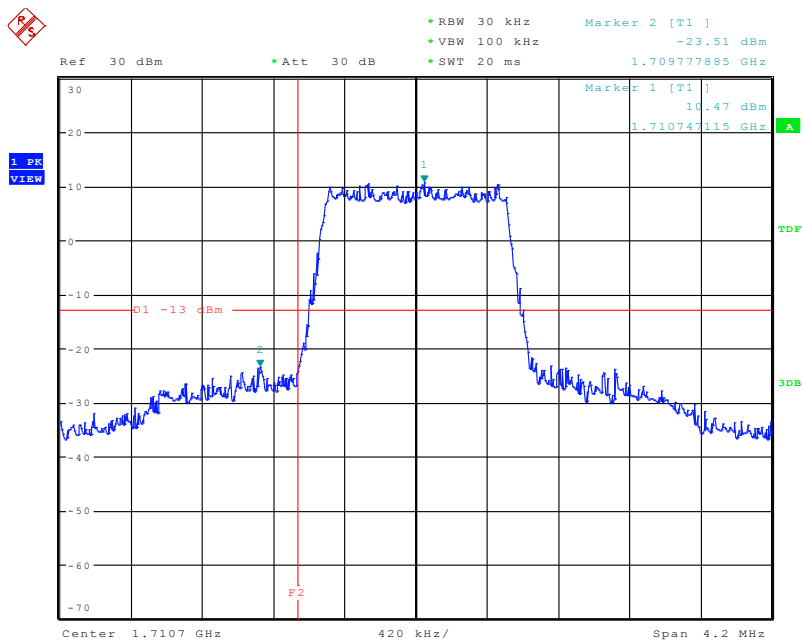
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# BAND 4@Band Edge

BAND4-1710.7MHz,QPSK-6RB\_LOW@Pass

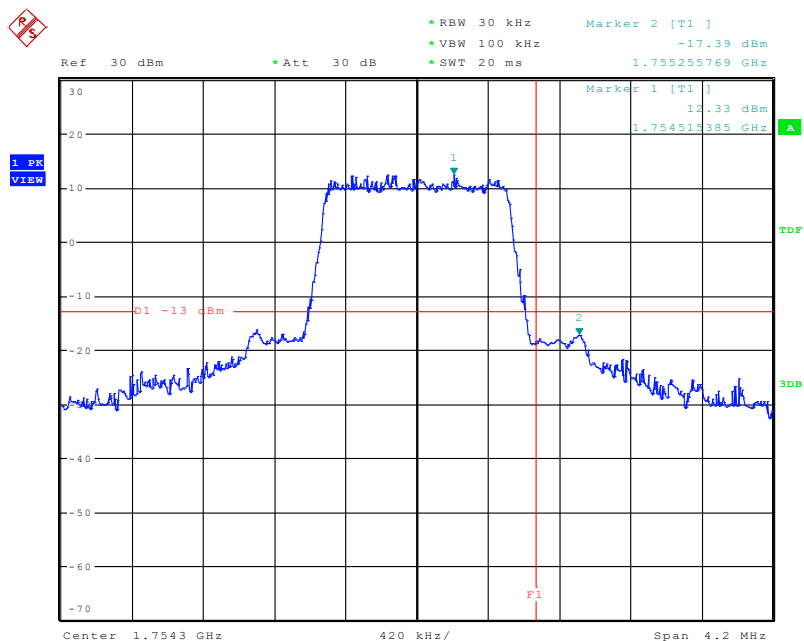


BAND4-1710.7MHz,Q16-6RB\_LOW@Pass



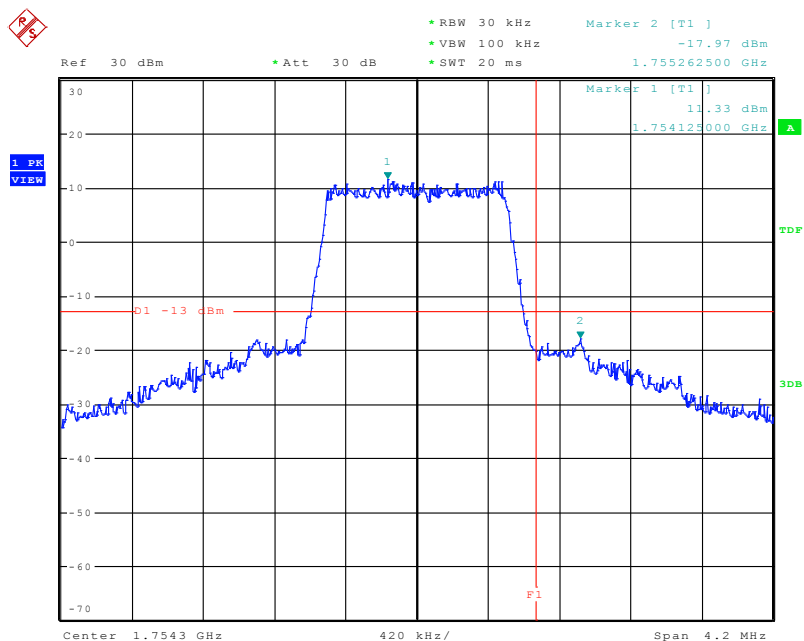
Date: 24.SEP.2016 14:18:29

## BAND4-1754.3MHz,QPSK-6RB\_LOW@Pass



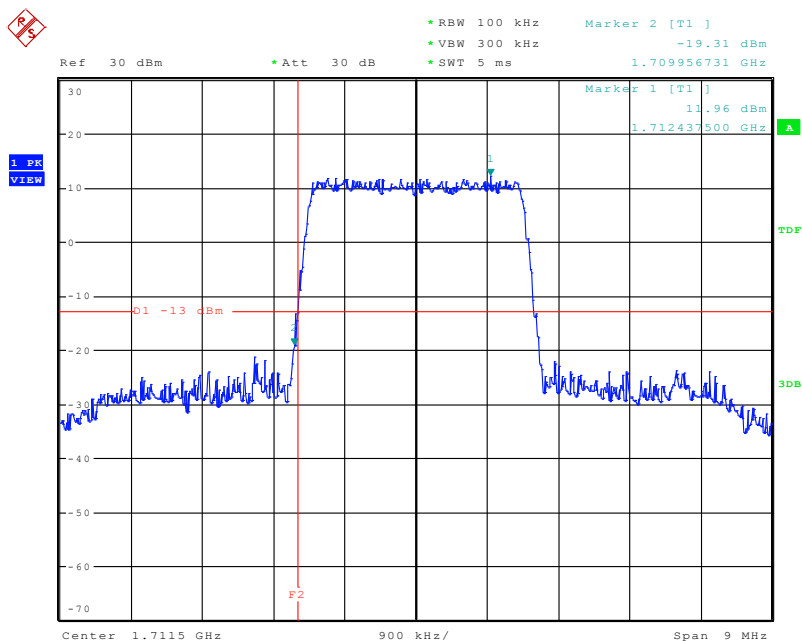
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## BAND4-1754.3MHz,Q16-6RB\_LOW@Pass



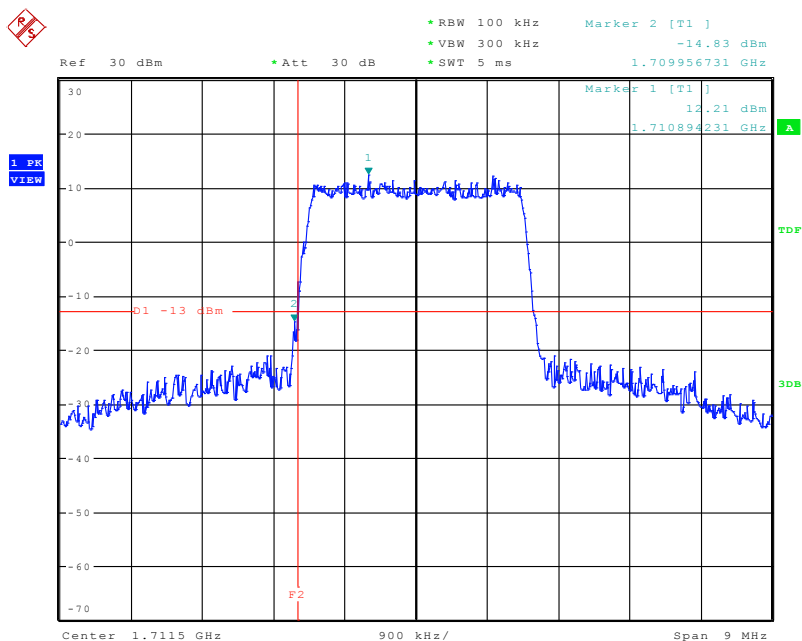
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### BAND4-1711.5MHz,QPSK-15RB\_LOW@Pass

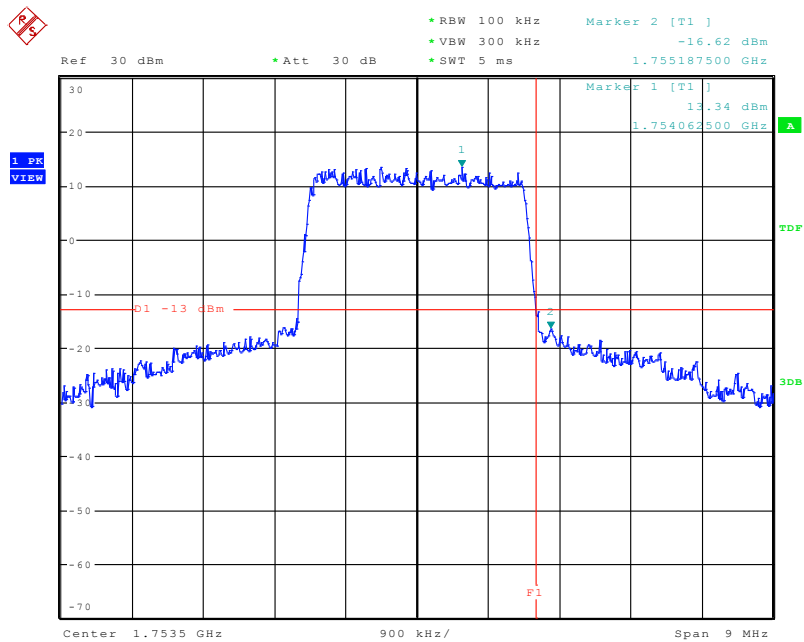
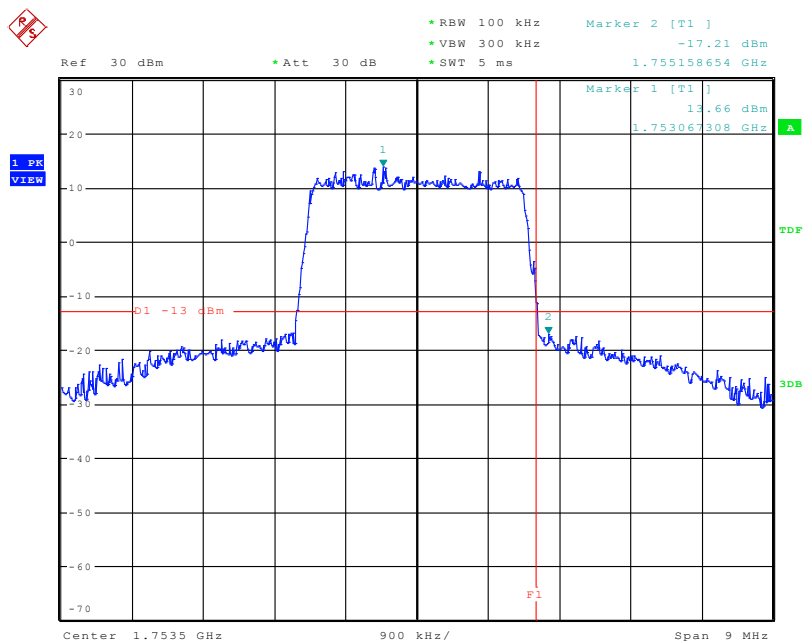


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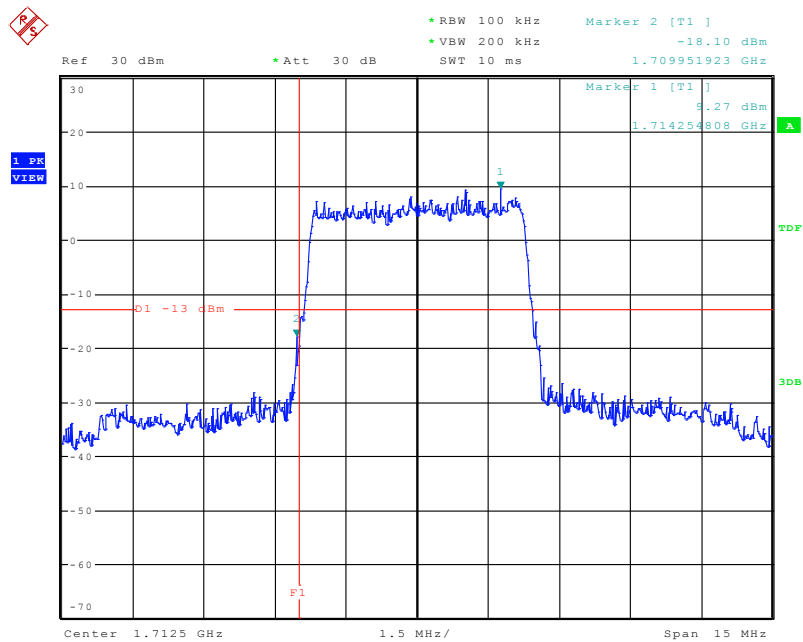
### BAND4-1711.5MHz,Q16-15RB\_LOW@Pass



4:23:01

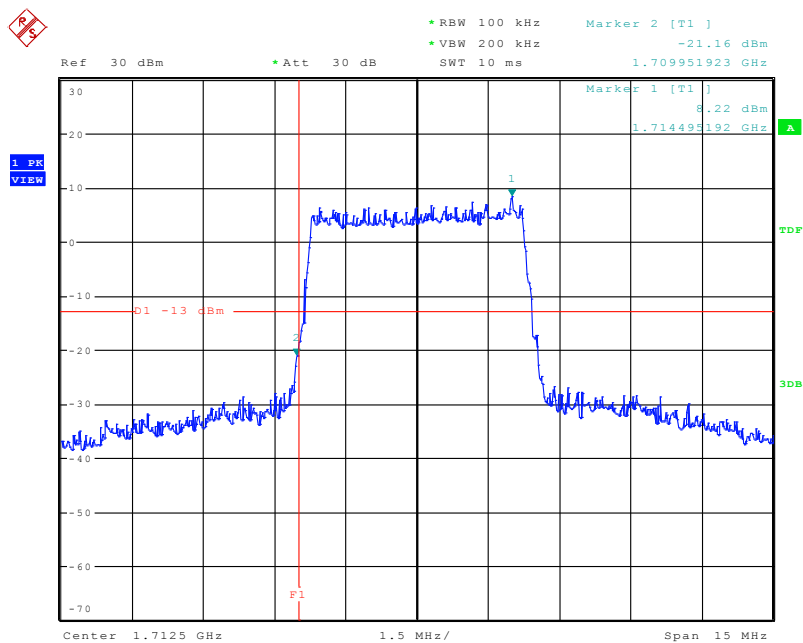
**BAND4-1753.5MHz,QPSK-15RB\_LOW@Pass****BAND4-1753.5MHz,Q16-15RB\_LOW@Pass**

## BAND4-1712.5MHz,QPSK-25RB\_LOW@Pass



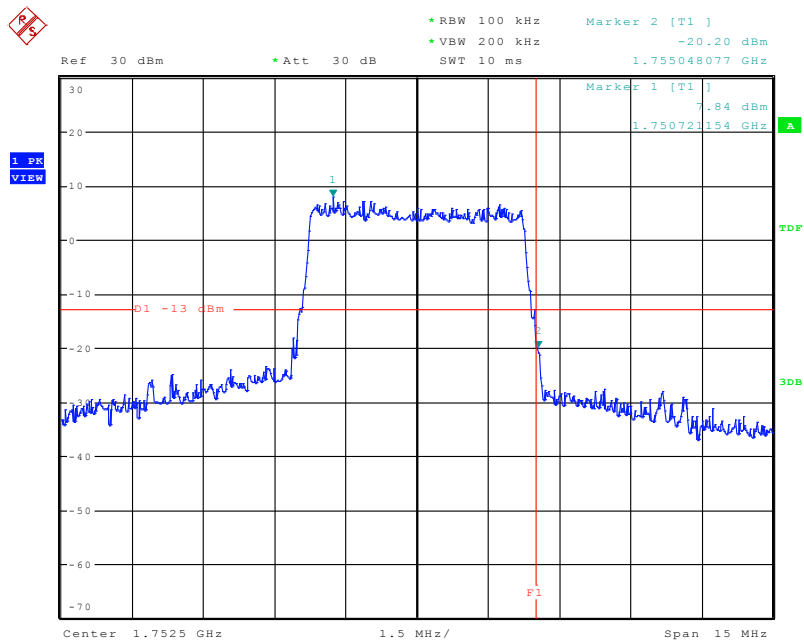
Date: 20.SEP.2016 18:43:43

## BAND4-1712.5MHz,Q16-25RB\_LOW@Pass



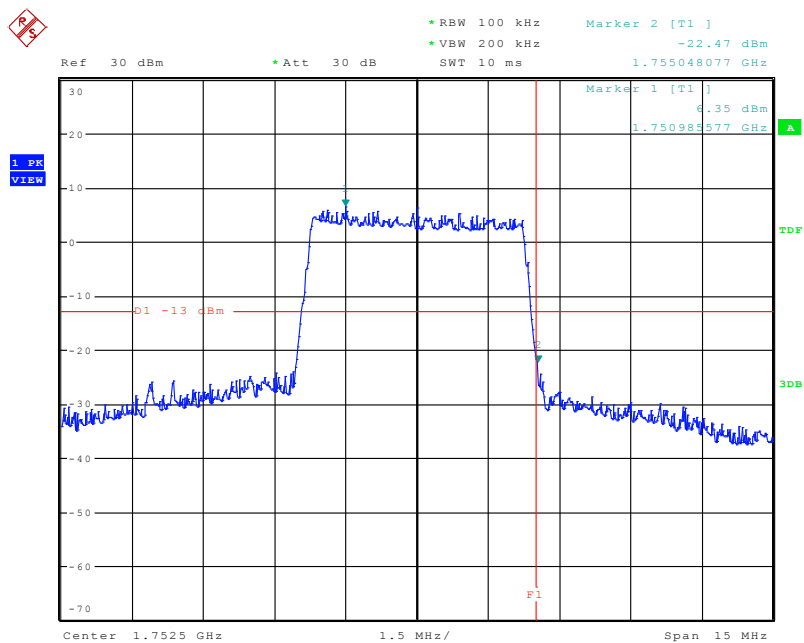
Date: 20.SEP.2016 18:44:02

## BAND4-1752.5MHz,QPSK-25RB\_LOW@Pass



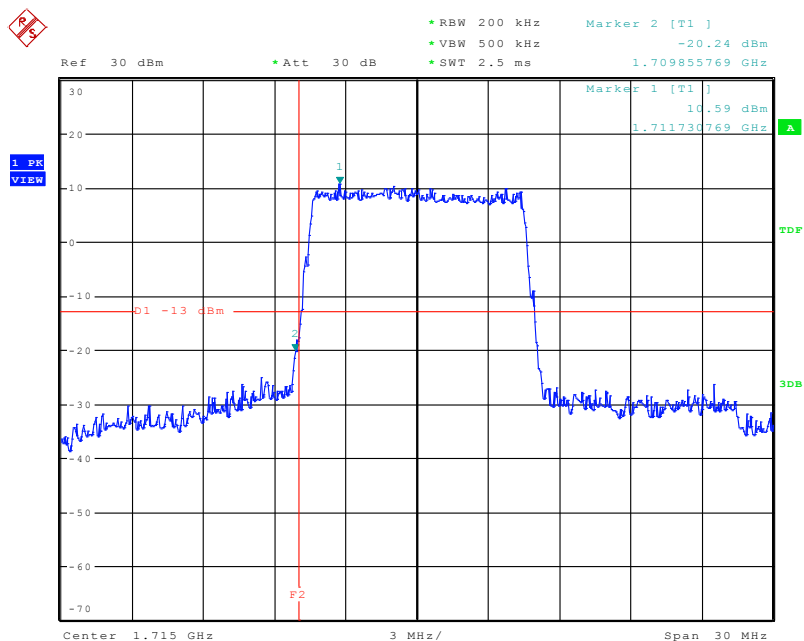
Date: 20.SEP.2016 18:44:33

## BAND4-1752.5MHz,Q16-25RB\_LOW@Pass



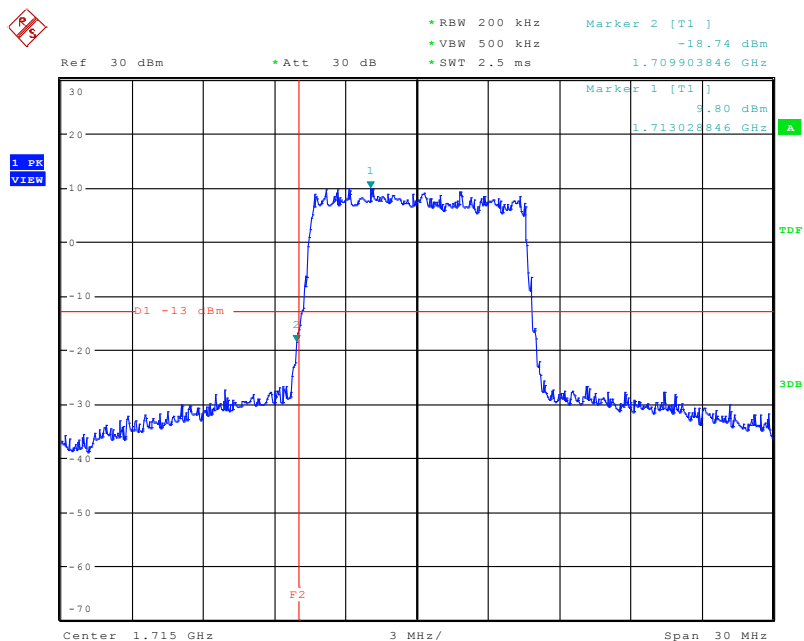
Date: 20.SEP.2016 18:44:50

## BAND4-1715MHz,QPSK-50RB\_LOW@Pass



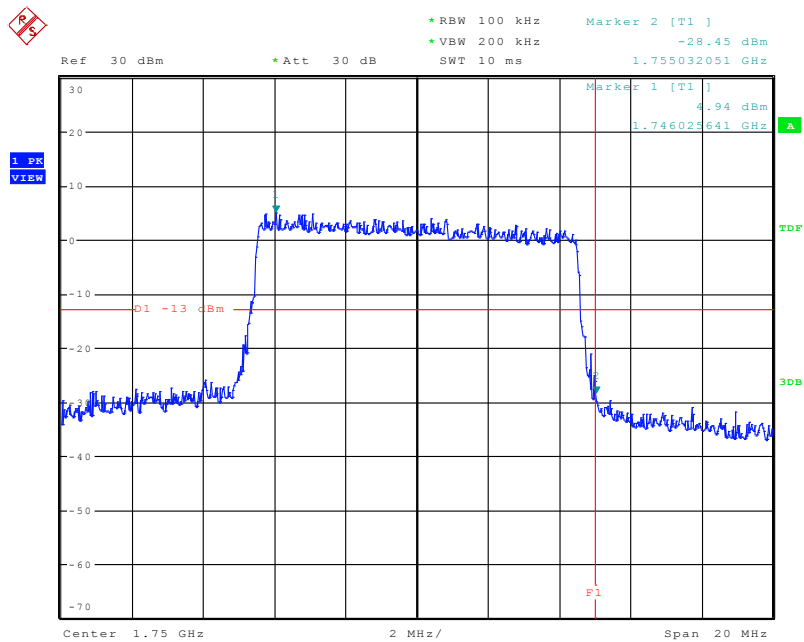
Date: 24.SEP.2016 14:30:57

## BAND4-1715MHz,Q16-50RB\_LOW@Pass



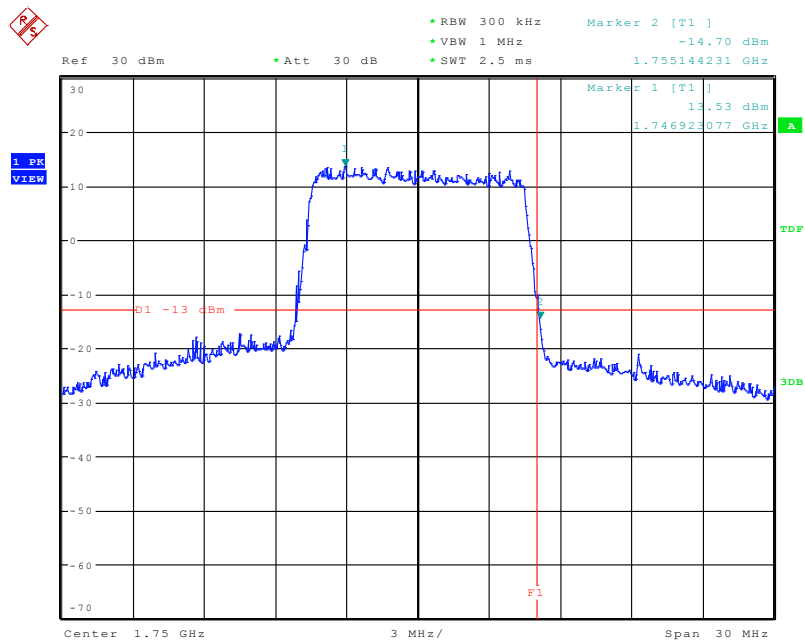
Date: 24.SEP.2016 14:31:38

## BAND4-1750MHz,QPSK-50RB\_LOW@Pass



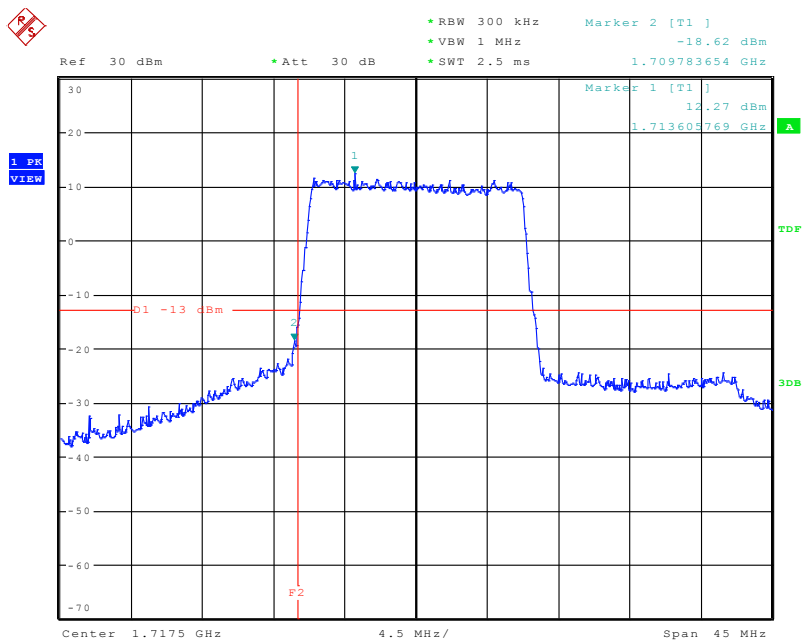
Date: 20.SEP.2016 18:46:54

## BAND4-1750MHz, Q16-75RB\_LOW@Pass



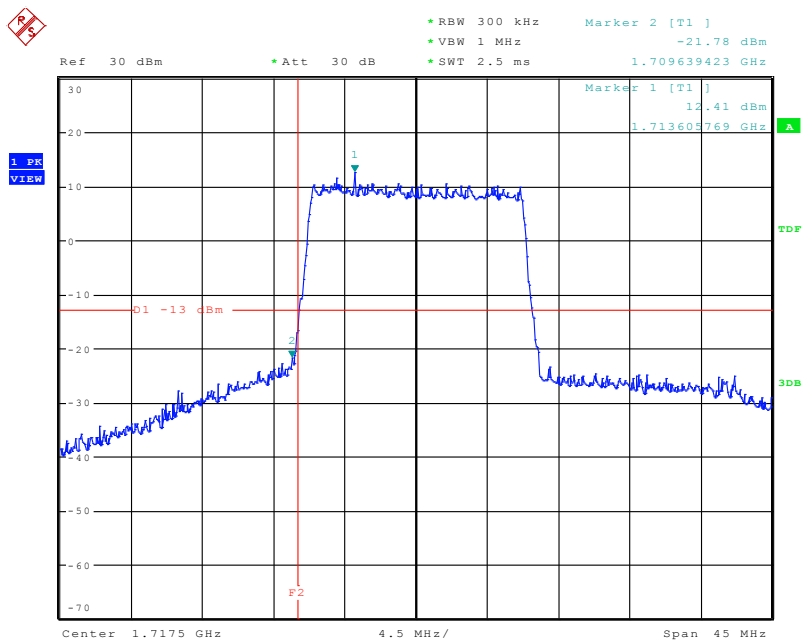
Date: 24.SEP.2016 14:39:12

## BAND4-1717.5MHz,QPSK-75RB\_LOW@Pass

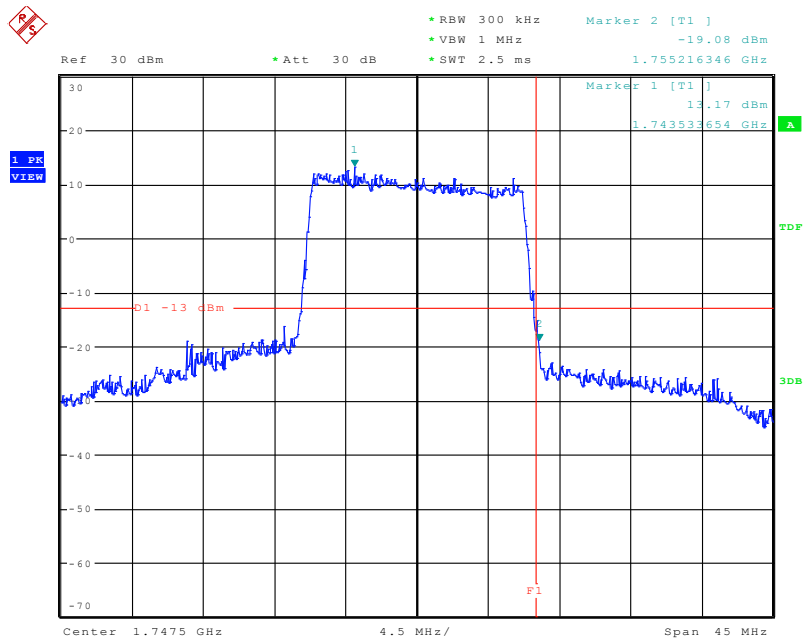


14:40:59

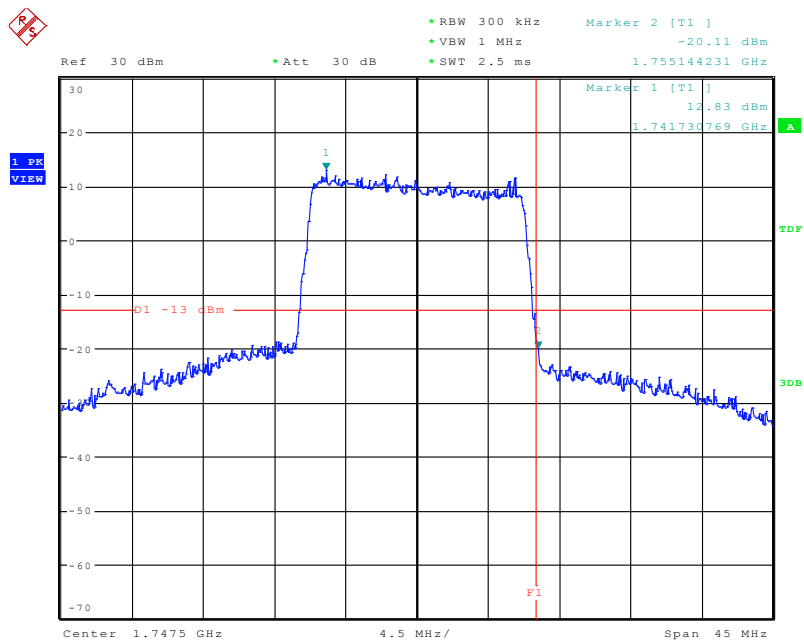
## BAND4-1717.5MHz,Q16-75RB\_LOW@Pass



41:44

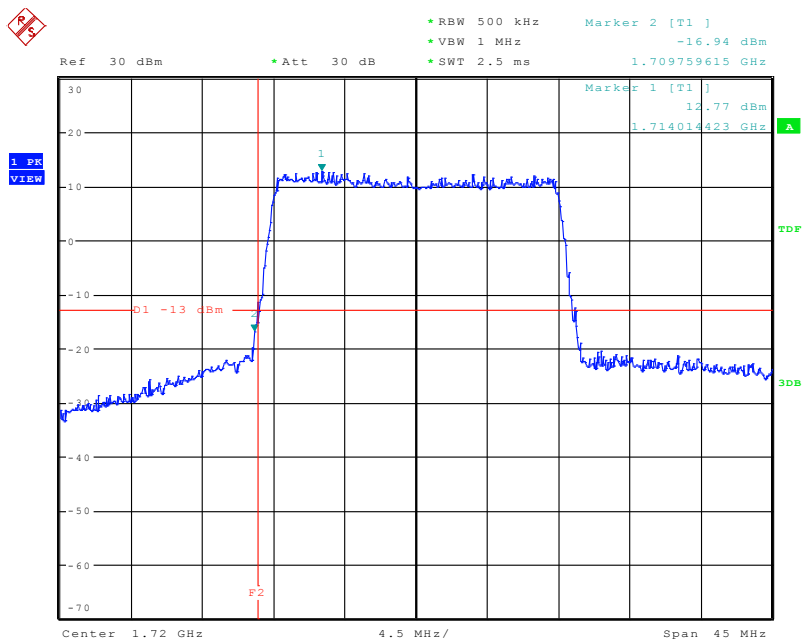
**BAND4-1747.5MHz,QPSK-75RB\_LOW@Pass**

14:08

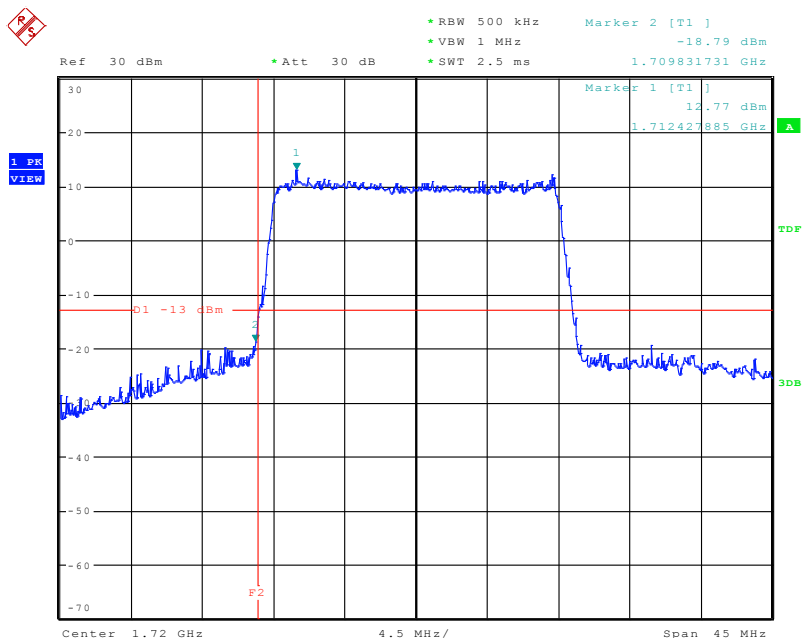
**BAND4-1747.5MHz,Q16-75RB\_LOW@Pass**

15:12

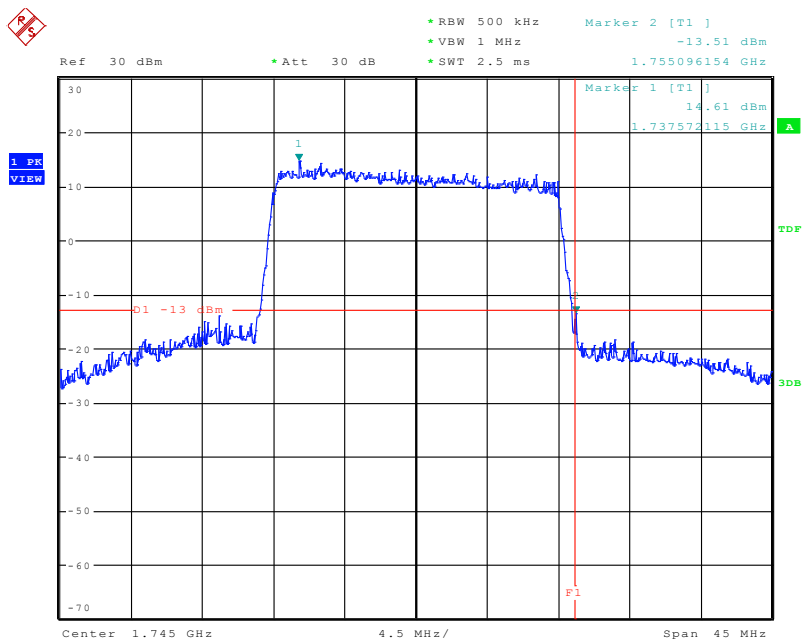
### BAND4-1720MHz,QPSK-100RB\_LOW@Pass



### BAND4-1720MHz,Q16-100RB\_LOW@Pass

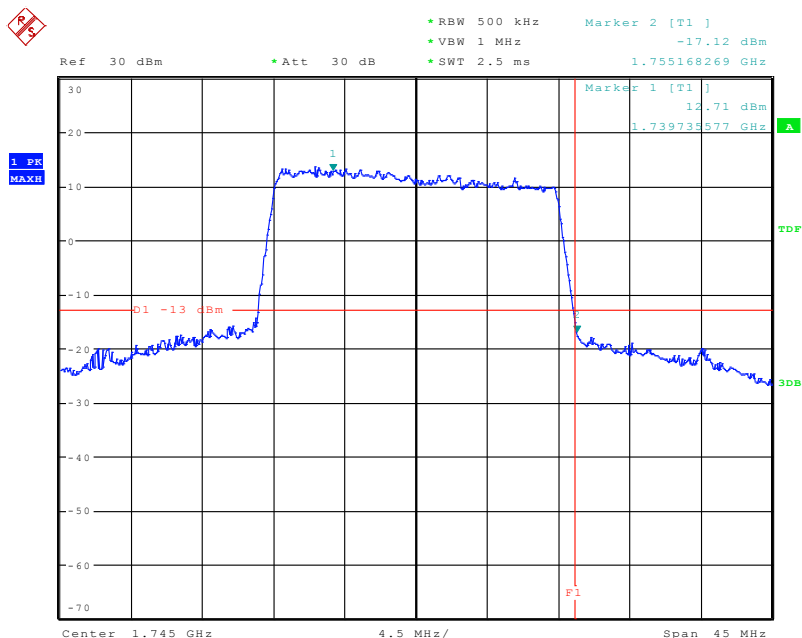


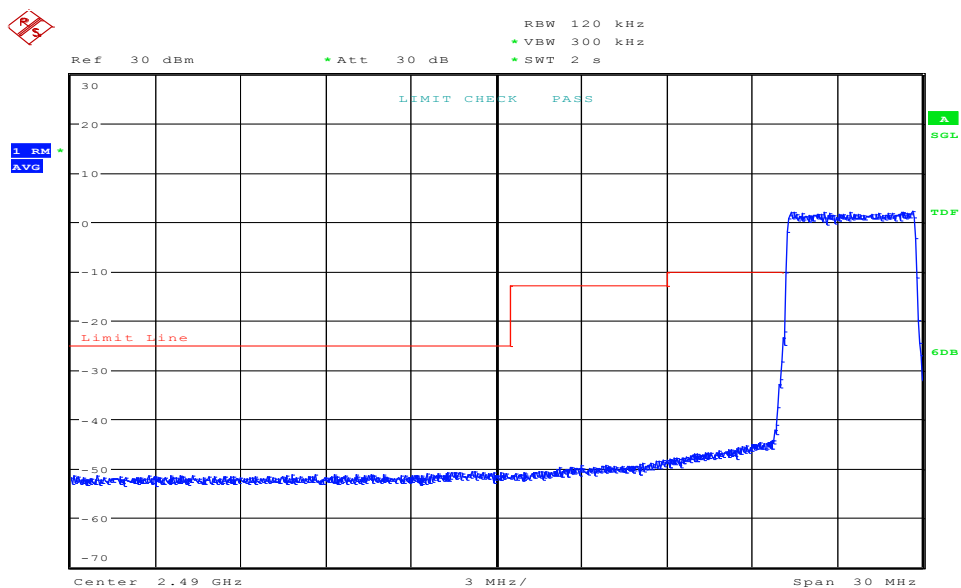
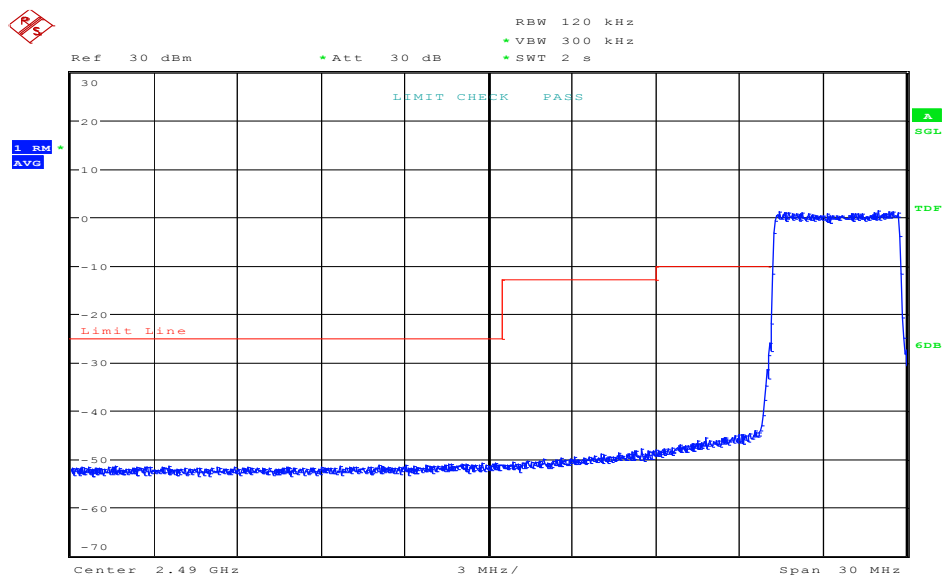
### BAND4-1745MHz,QPSK-100RB\_LOW@Pass



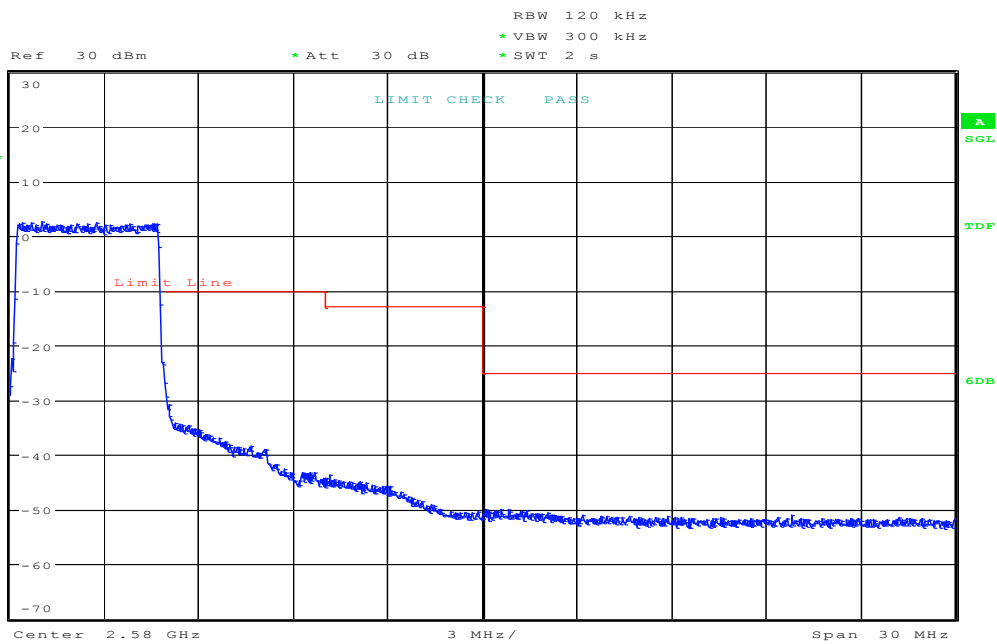
:32

### BAND4-1745MHz,Q16-100RB\_LOW@Pass

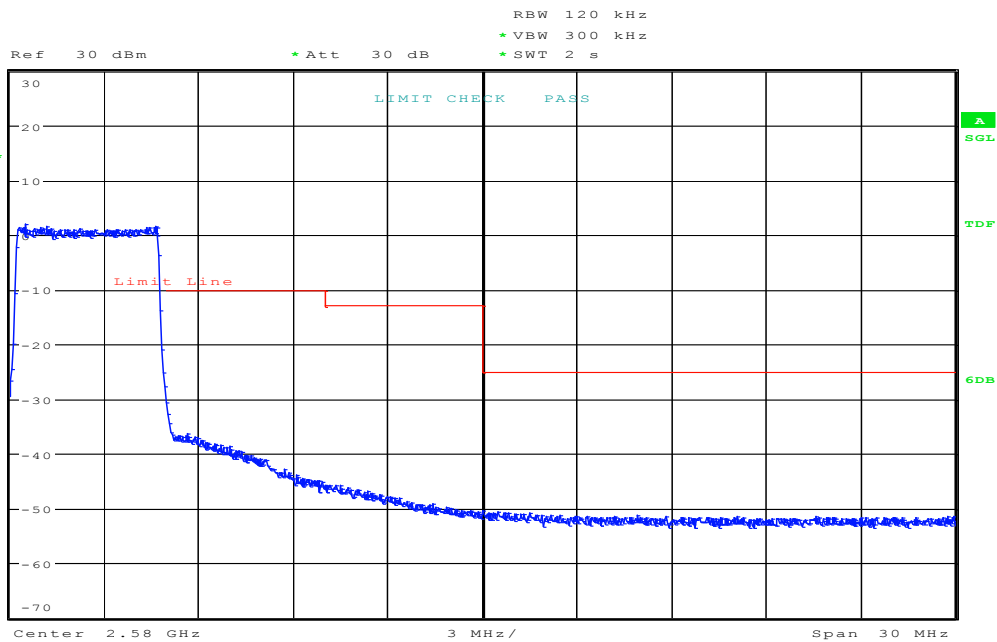


**BAND 7@Emission Mask***BW5MHz-2502.5MHz,QPSK-25RB\_LOW@Pass**BW5MHz-2502.5MHz,Q16-25RB\_LOW@Pass*

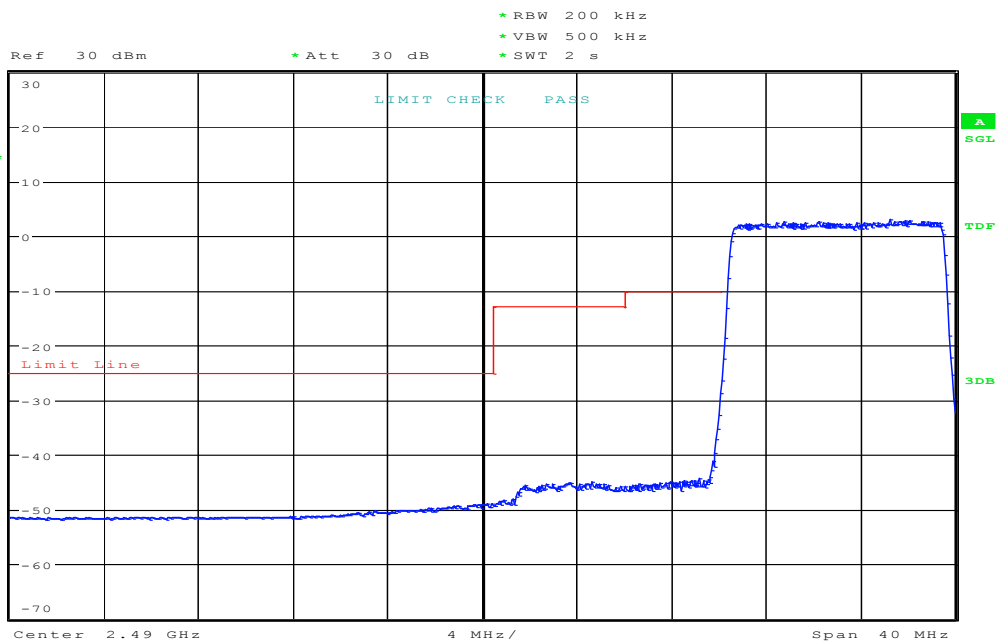
## BW5MHz-2567.5MHz,QPSK-25RB\_LOW@Pass

1 RB  
AVG

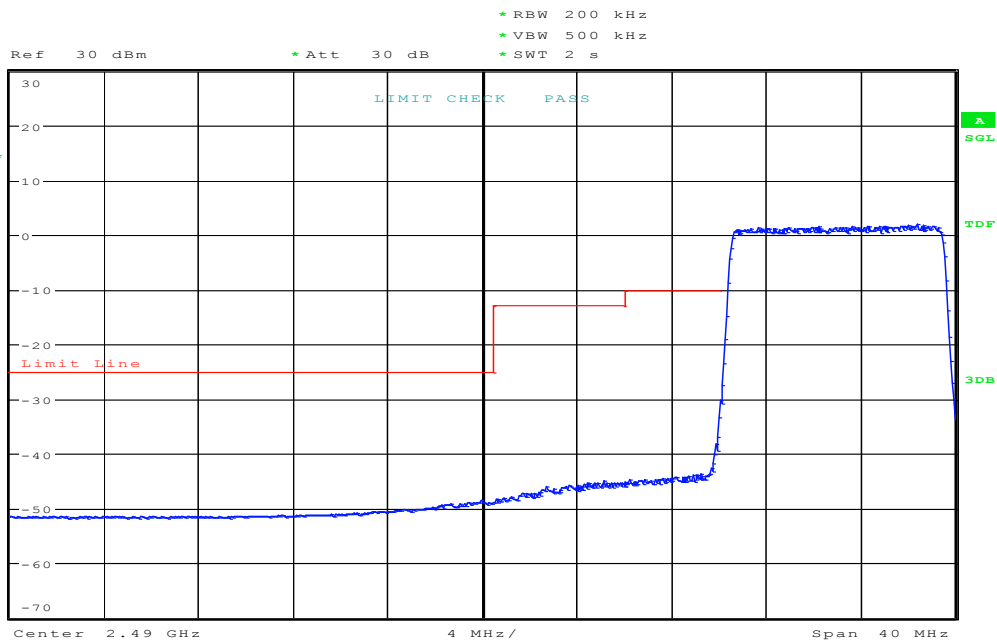
## BW5MHz-2567.5MHz,Q16-25RB\_LOW@Pass

1 RB  
AVG

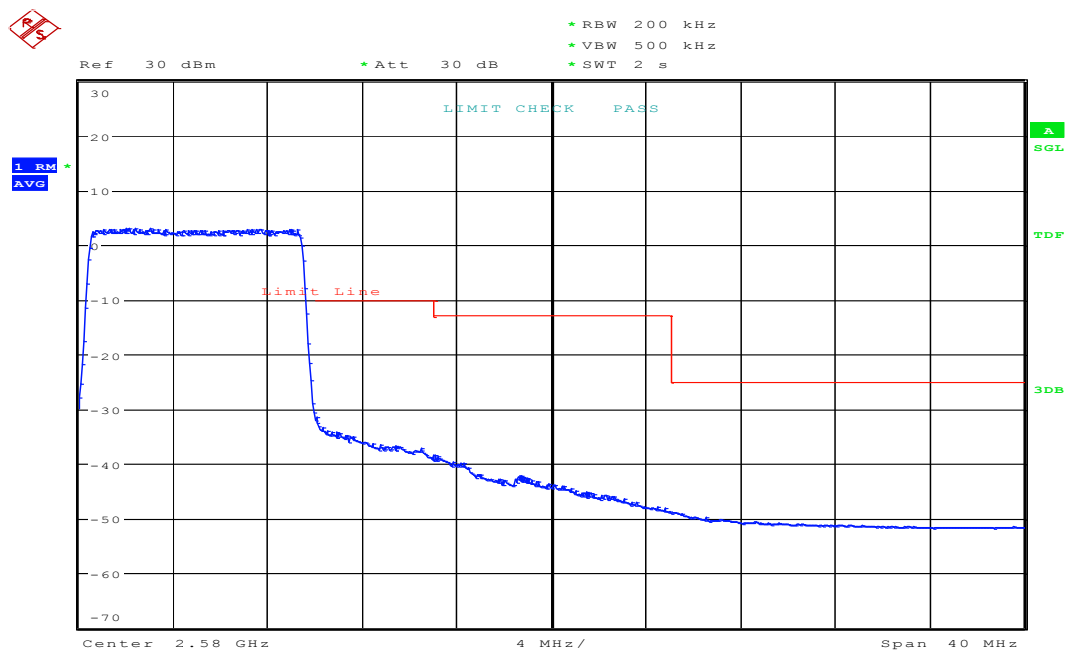
## BW10MHz-2505MHz,QPSK-50RB\_LOW@Pass

1 RB  
AVG

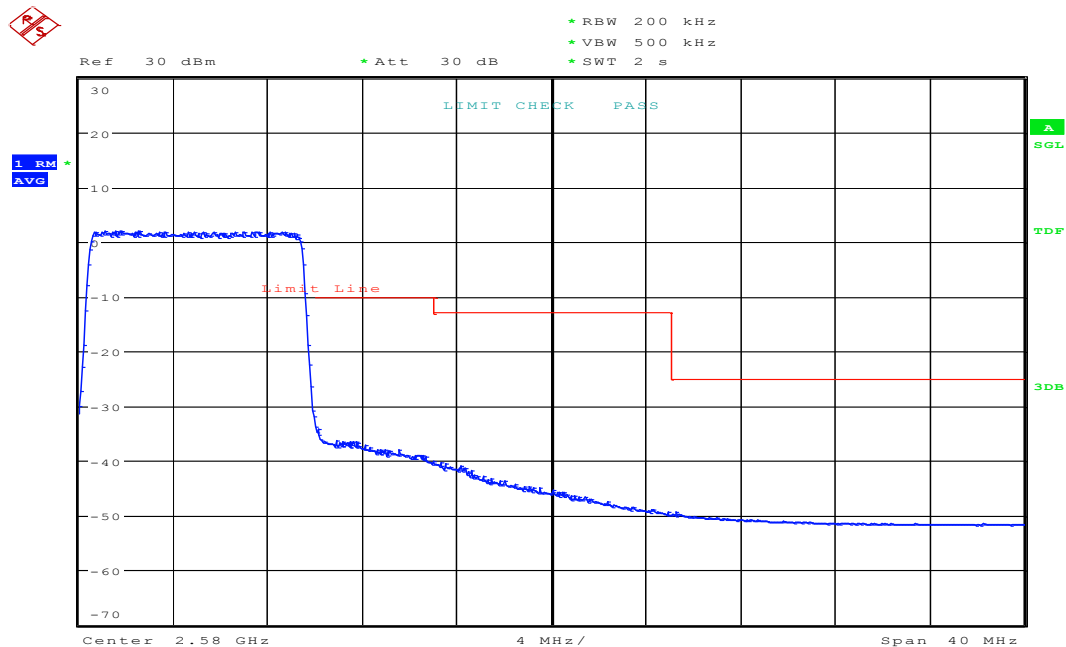
## BW10MHz-2505MHz,Q16-50RB\_LOW@Pass

1 RB  
AVG

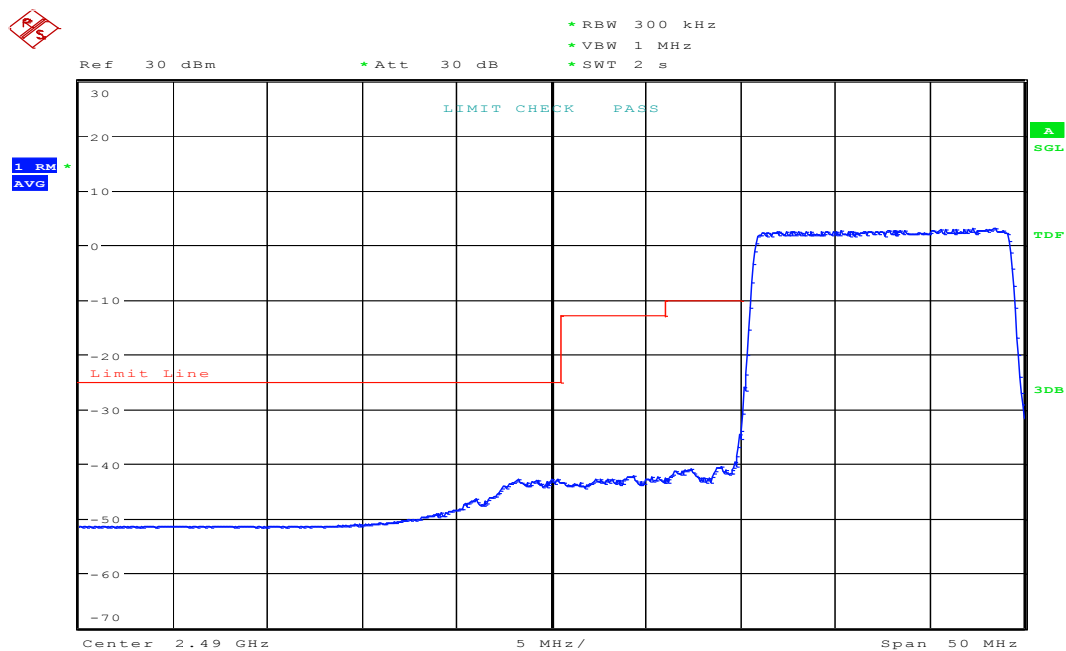
BW10MHz-2565MHz,QPSK-50RB\_LOW@Pass



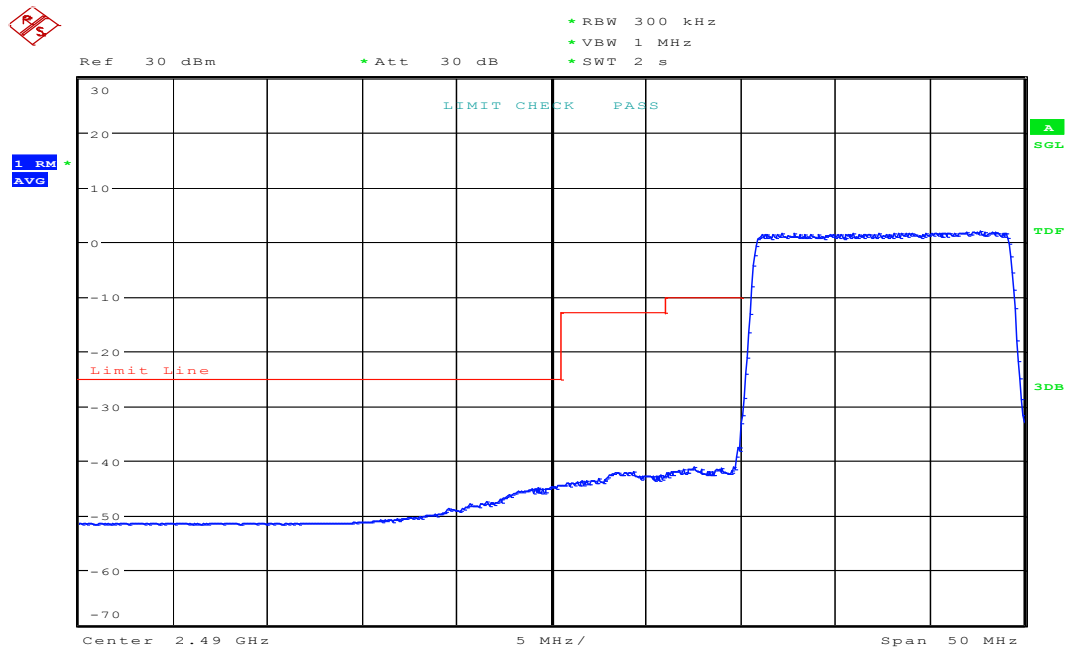
BW10MHz-2565MHz,Q16-50RB\_LOW@Pass



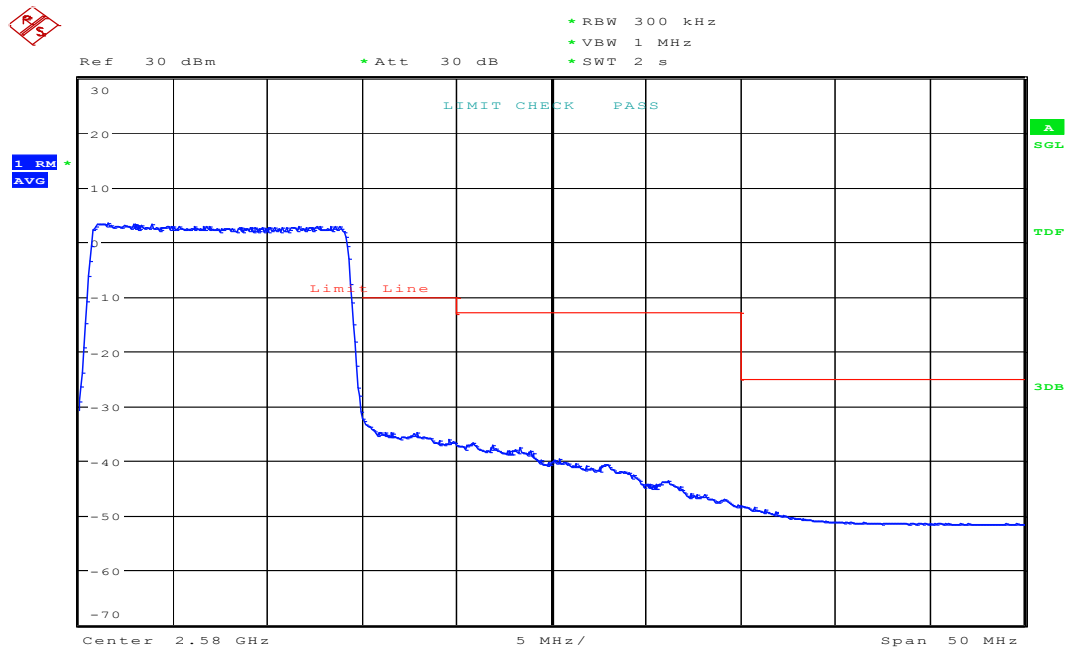
## BW15MHz-2507.5MHz,QPSK-75RB\_LOW@Pass



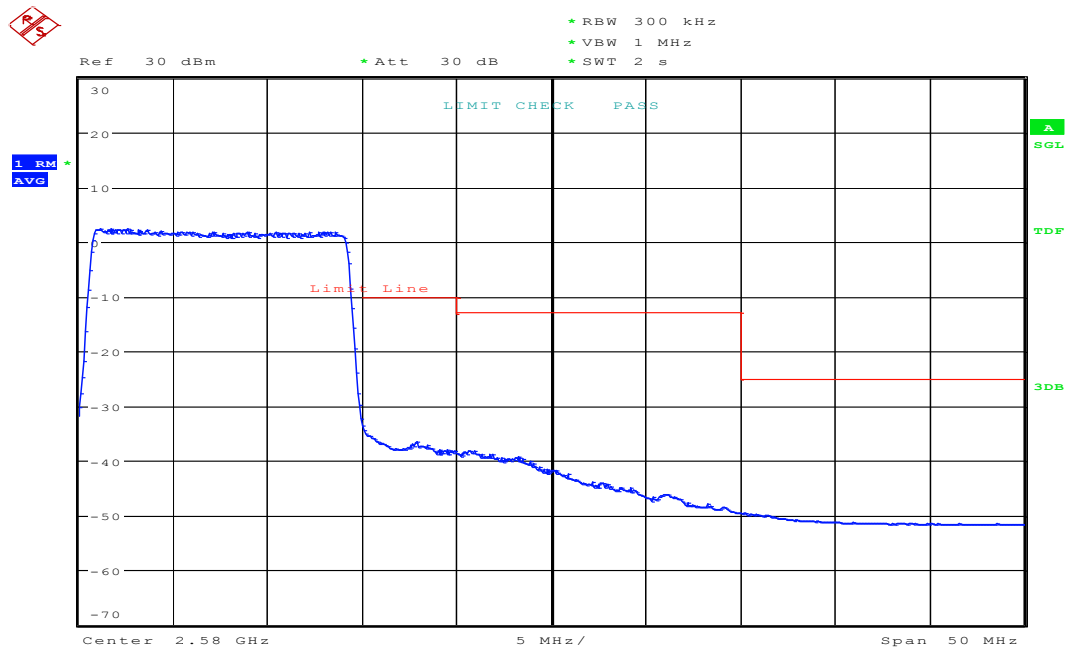
## BW15MHz-2507.5MHz,Q16-75RB\_LOW@Pass



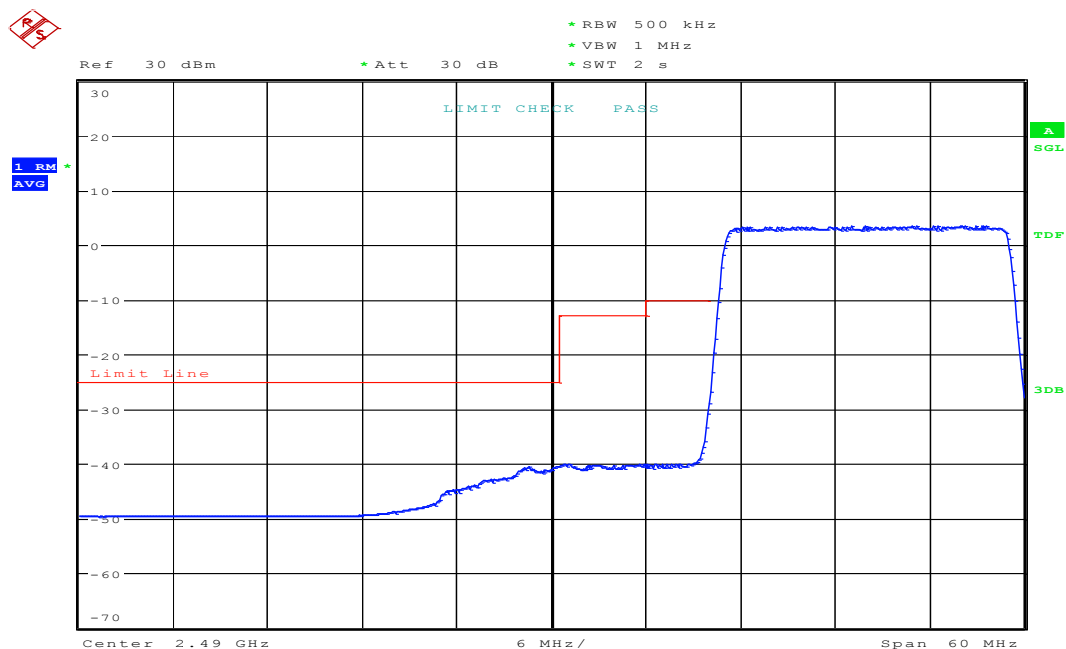
## BW15MHz-2562.5MHz,QPSK-75RB\_LOW@Pass



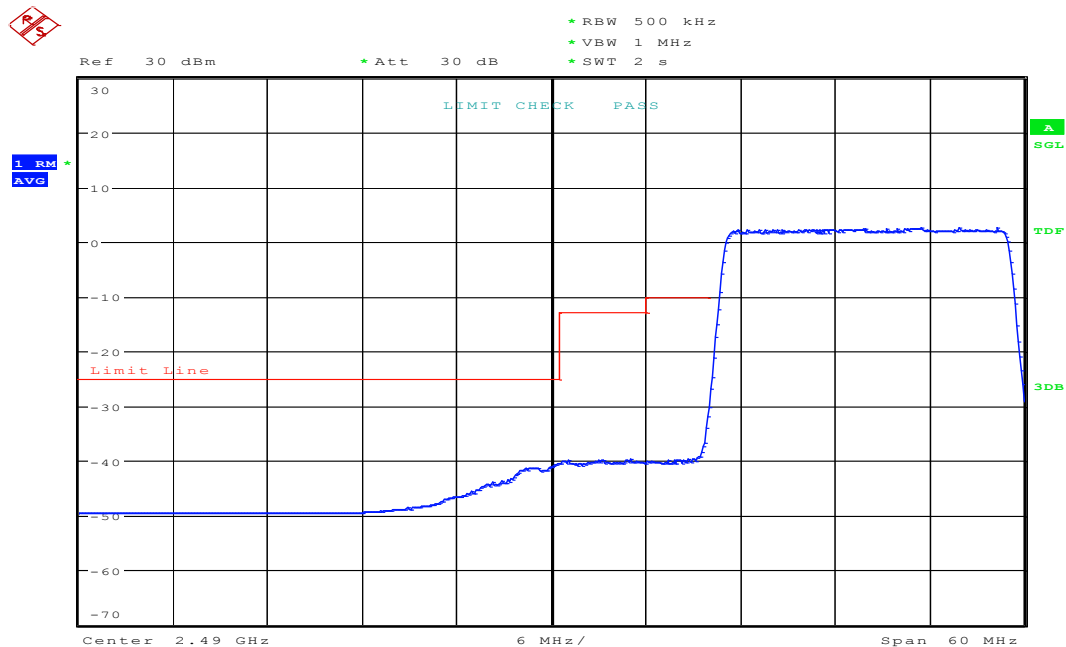
## BW15MHz-2562.5MHz,Q16-75RB\_LOW@Pass



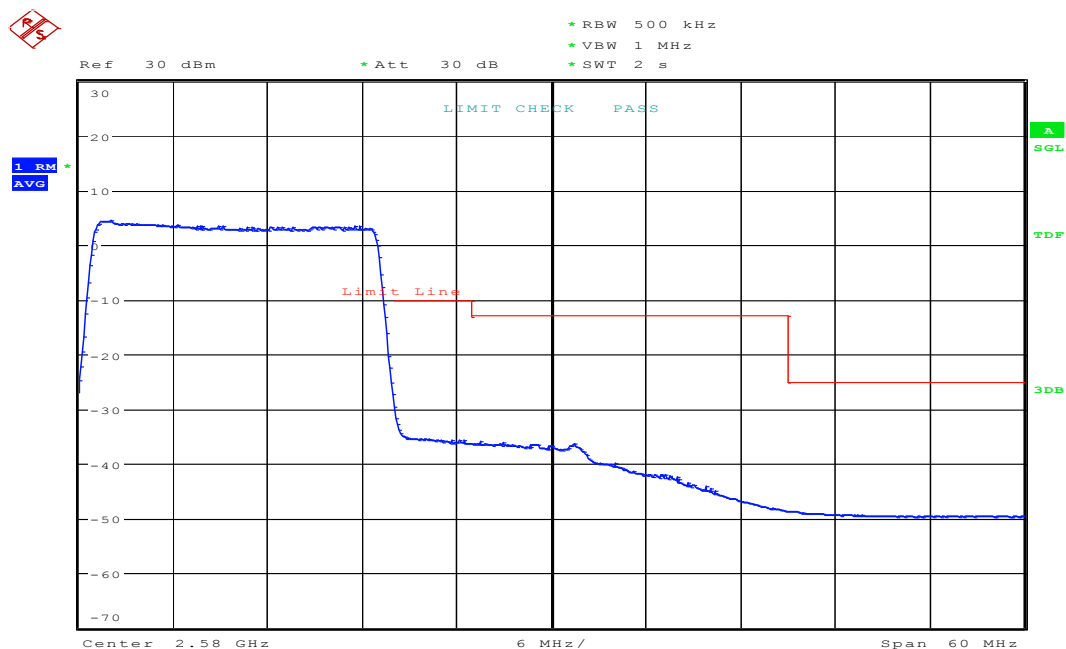
### BW20MHz-2510MHz,QPSK-100RB\_LOW@Pass



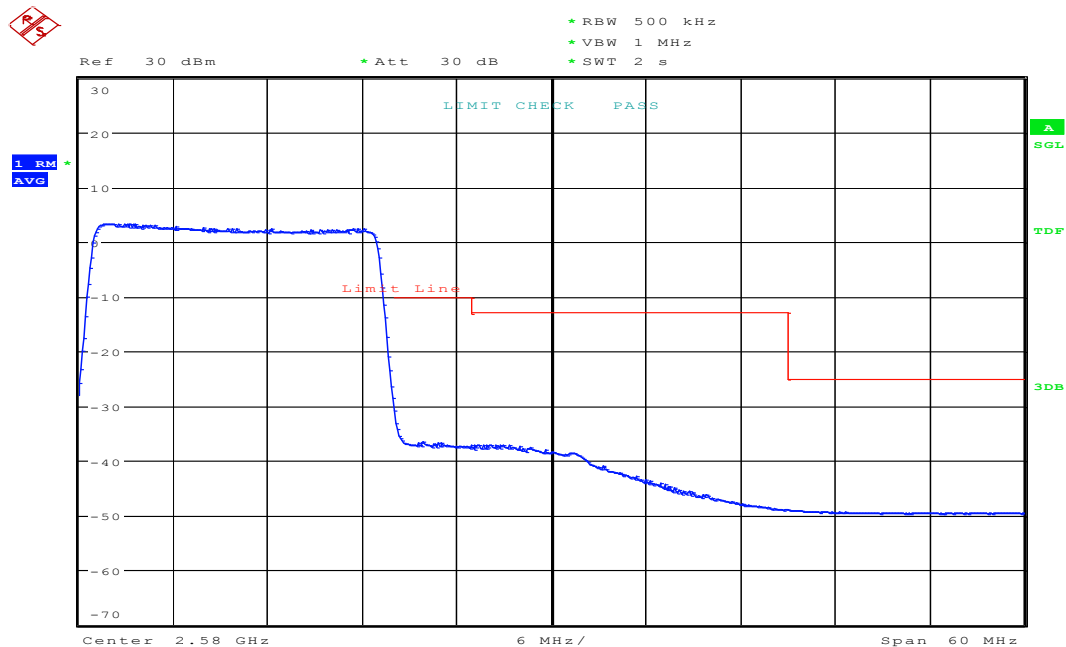
### BW20MHz-2510MHz,Q16-100RB\_LOW@Pass



### BW20MHz-2560MHz,QPSK-100RB\_LOW@Pass

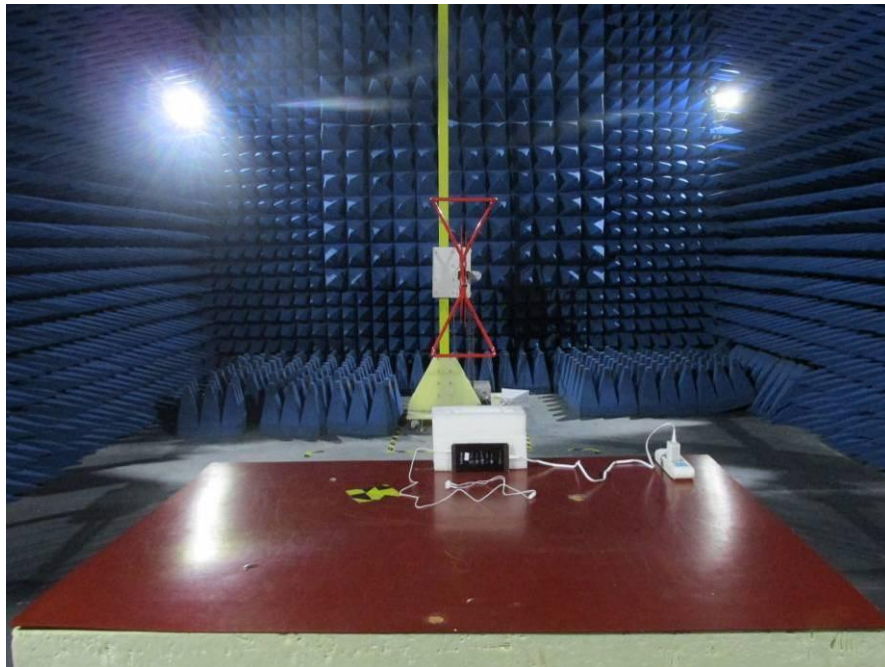


### BW20MHz-2560MHz,Q16-100RB\_LOW@Pass

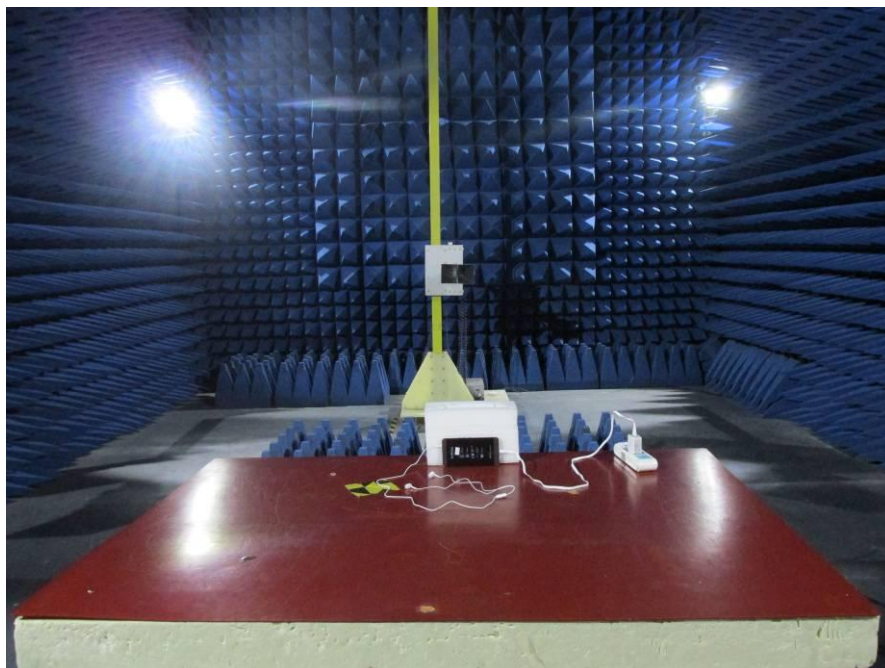


## 2 EUT TEST PHOTO

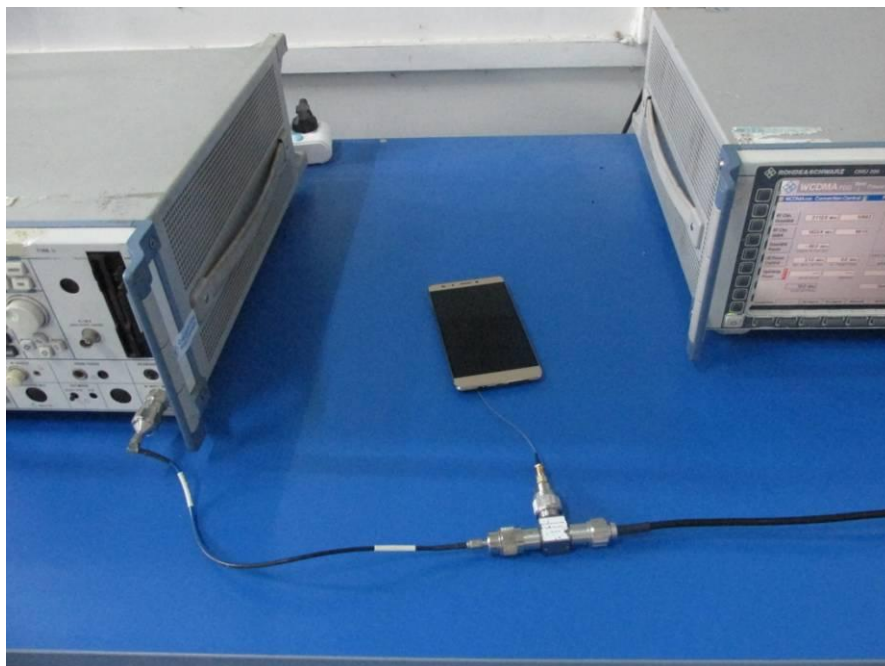
RADIATED EMISSION TEST



RADIATED EMISSION TEST



## RF TEST

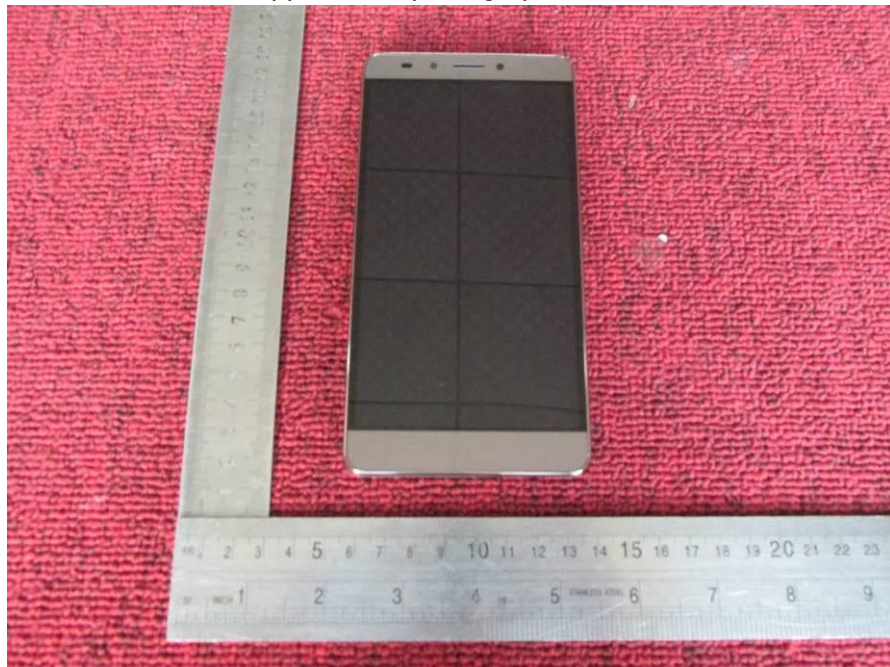


### 3 EUT PHOTO

Appearance photograph of EUT



Appearance photograph of EUT



Appearance photograph of EUT



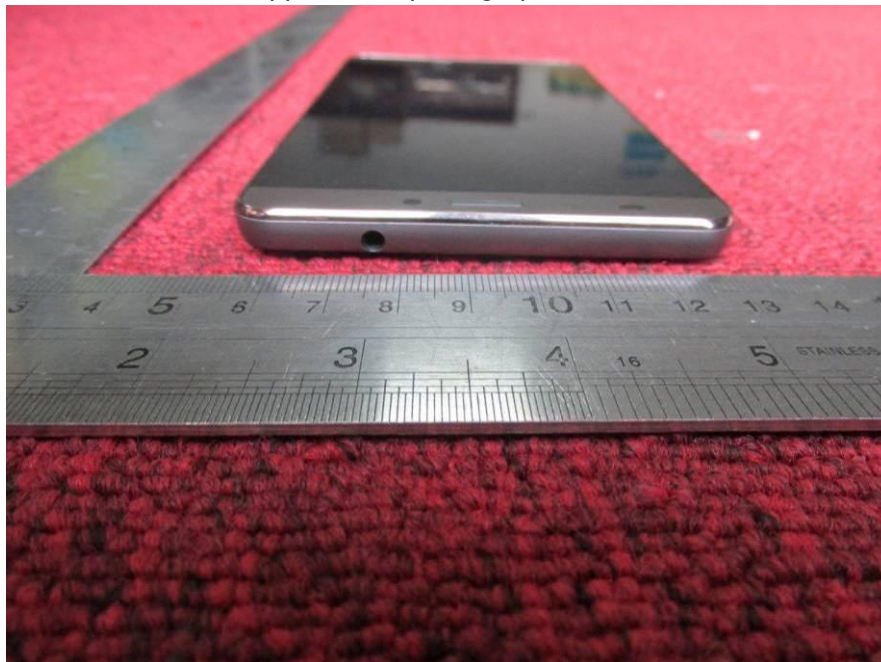
Appearance photograph of EUT



Appearance photograph of EUT



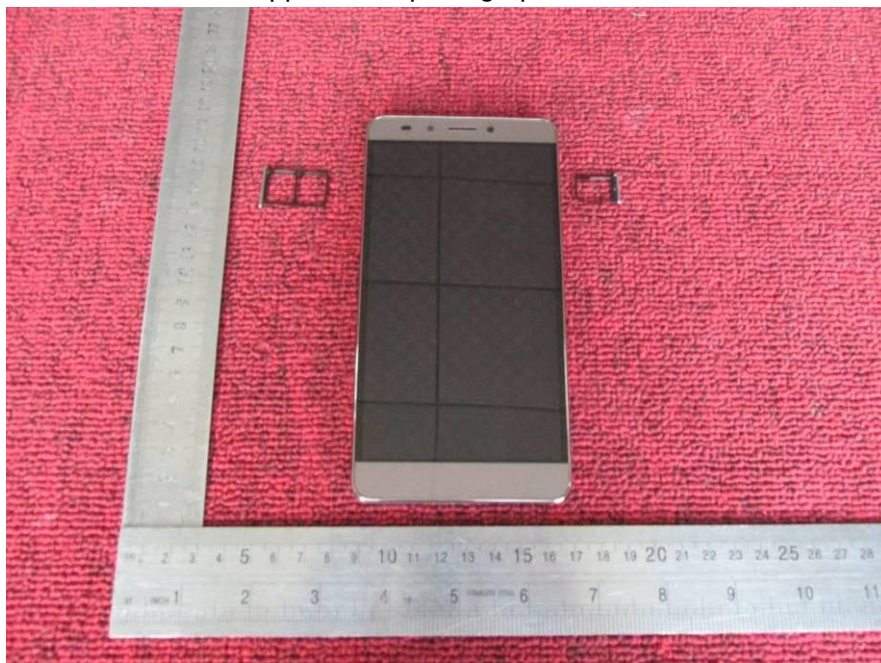
Appearance photograph of EUT



Appearance photograph of EUT

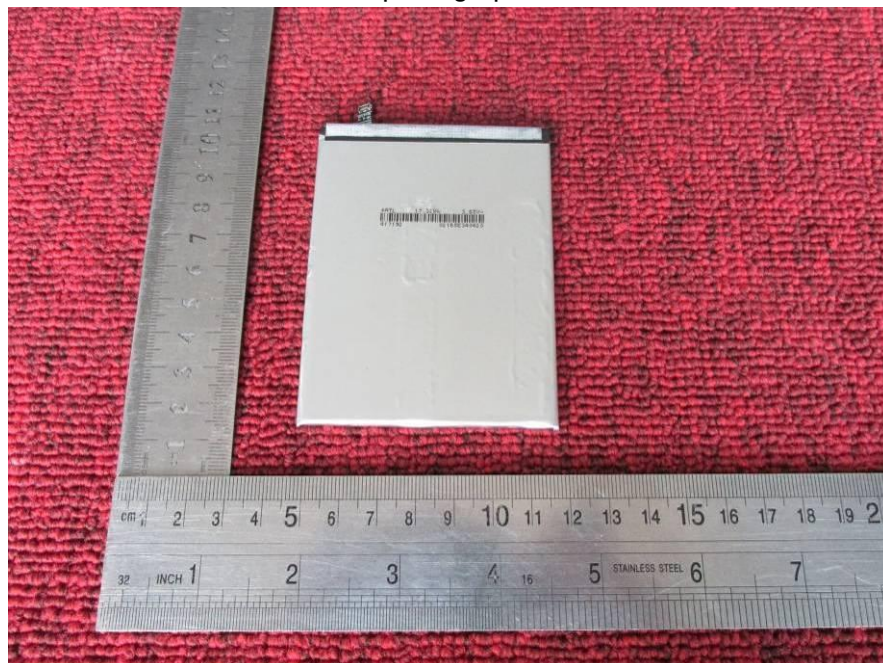


Appearance photograph of EUT





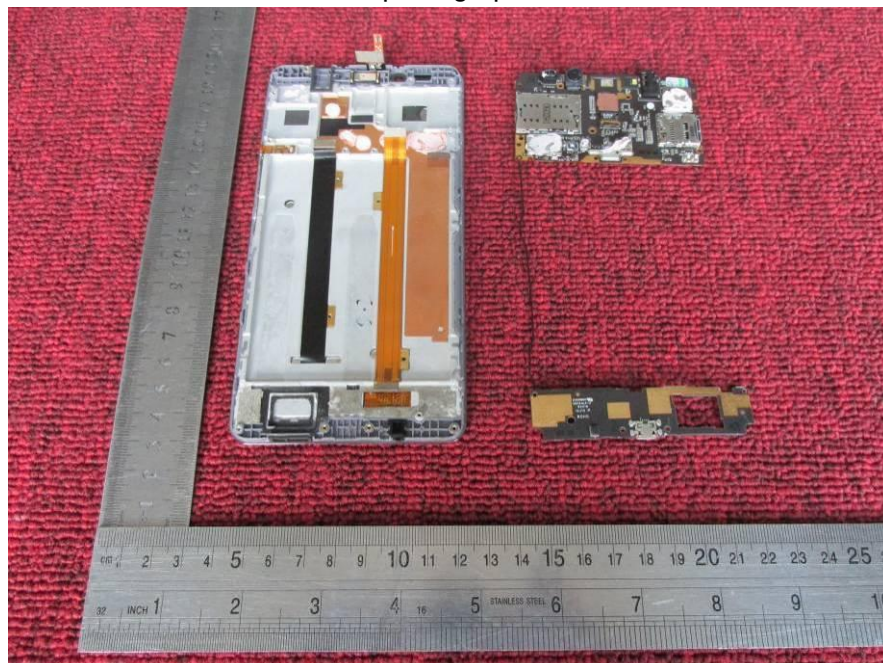
Internal photograph of EUT



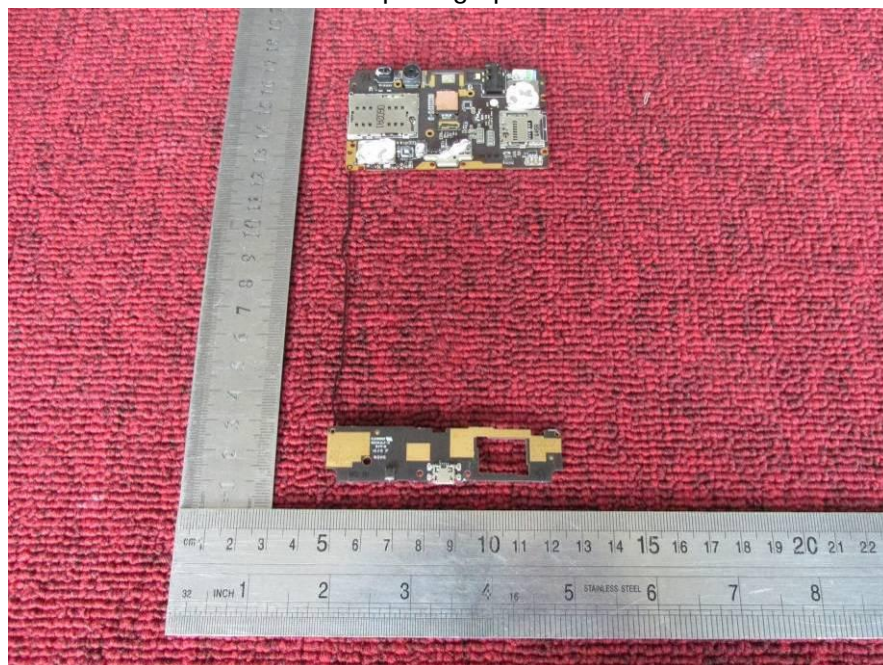
Internal photograph of EUT



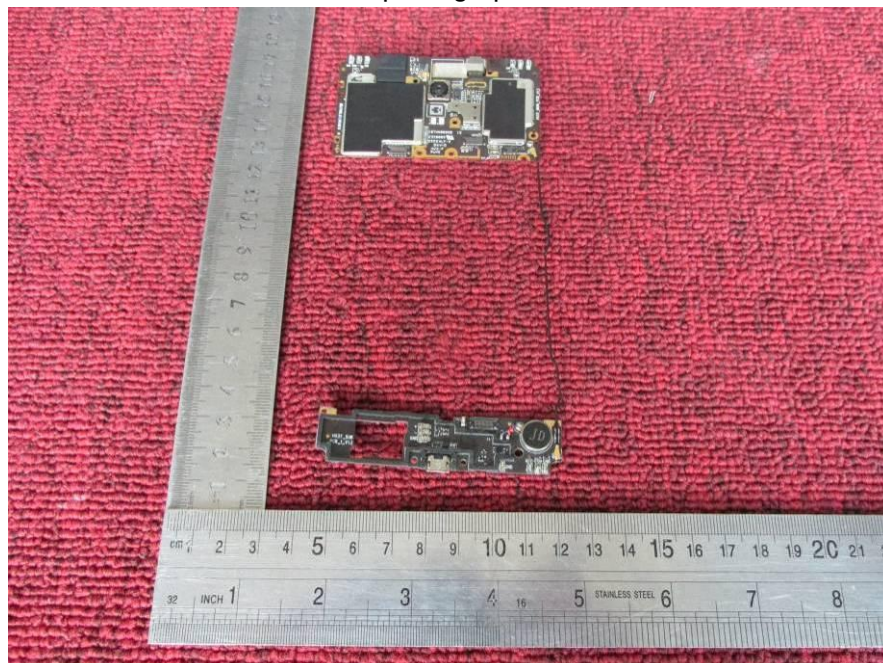
Internal photograph of EUT



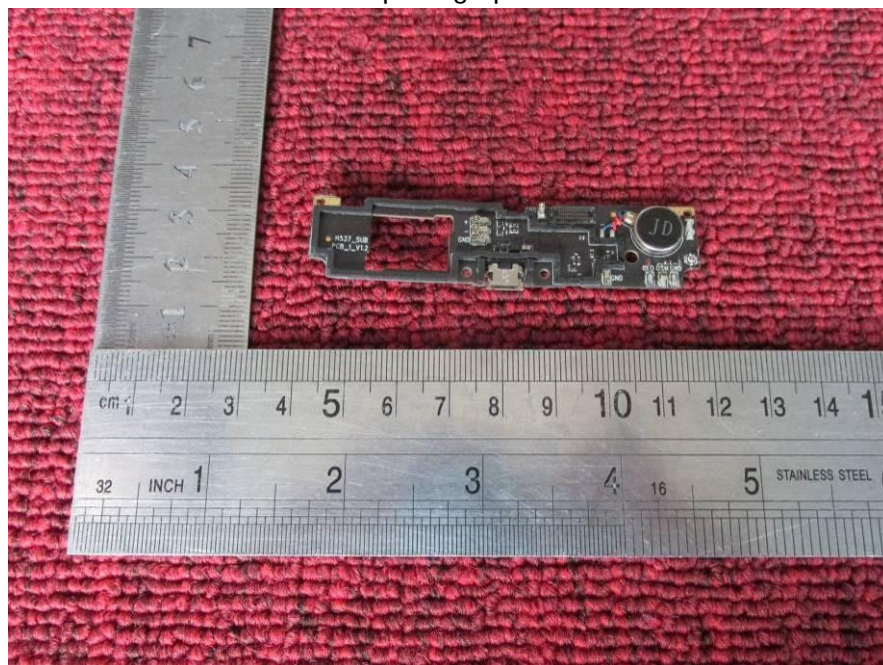
Internal photograph of EUT



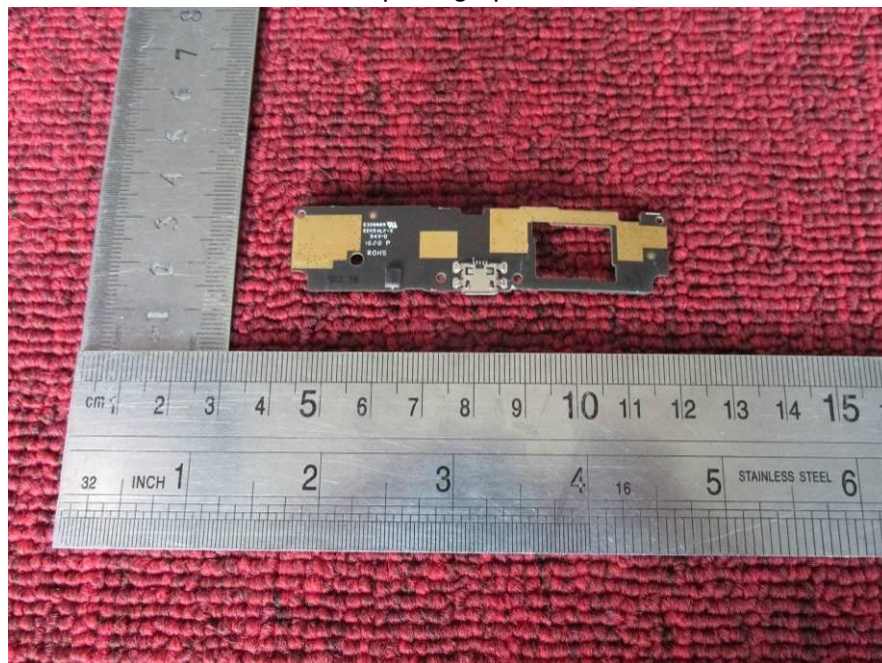
Internal photograph of EUT



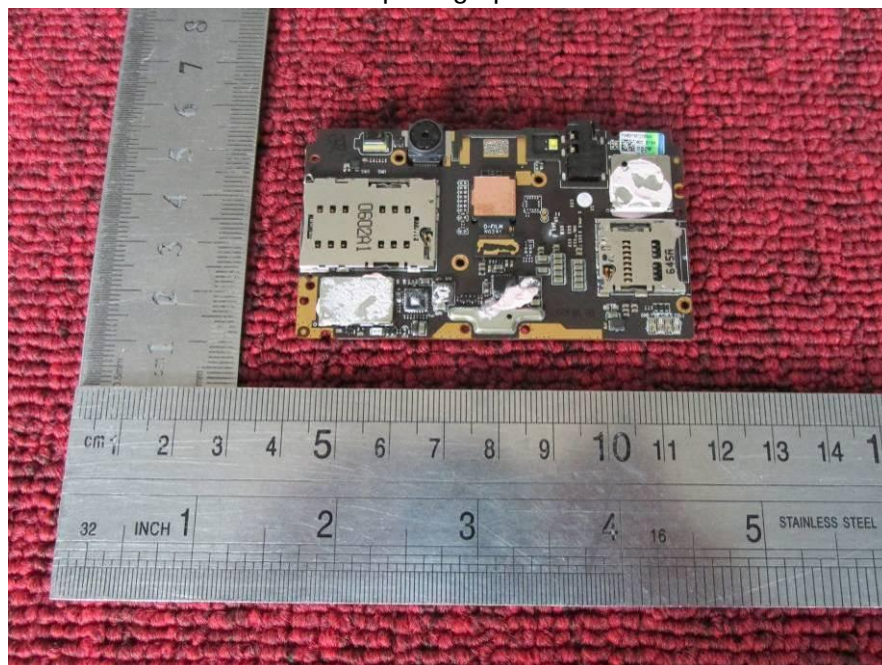
Internal photograph of EUT



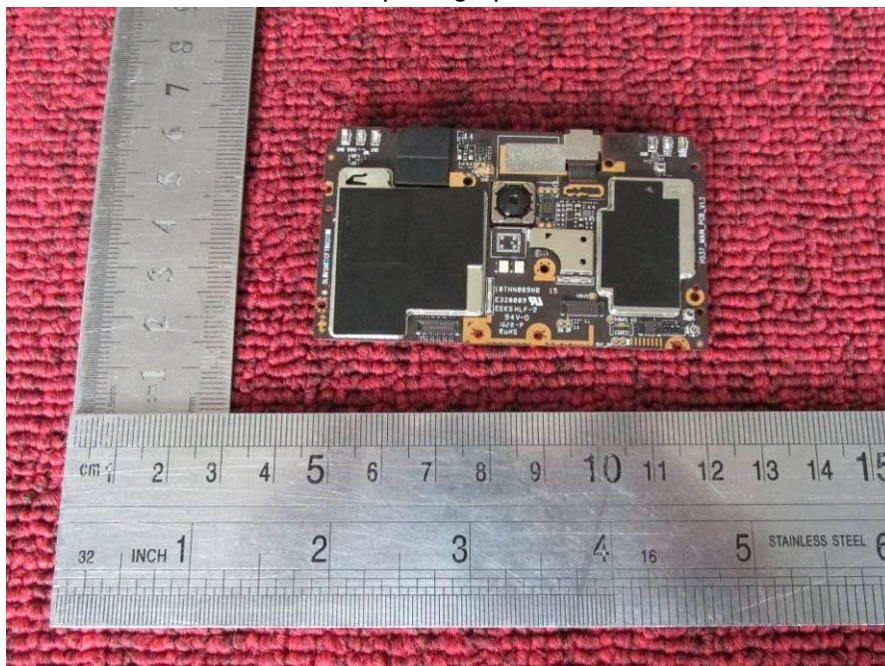
Internal photograph of EUT



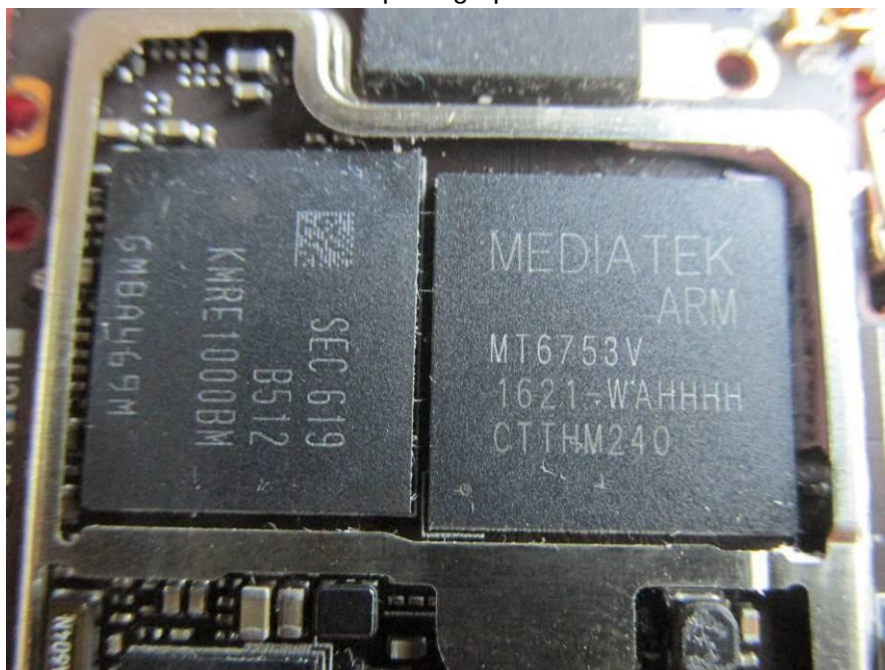
Internal photograph of EUT



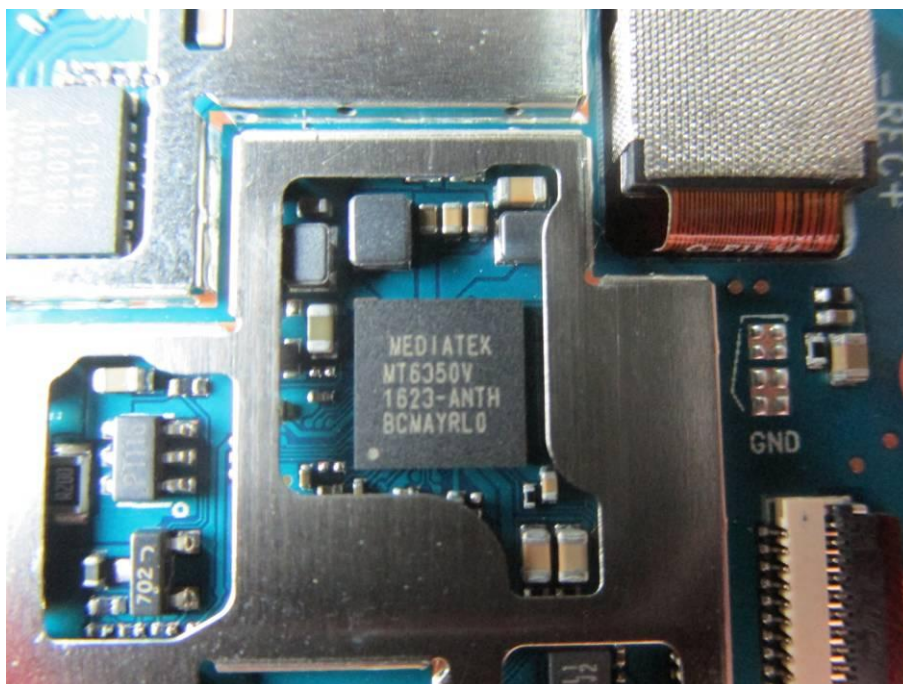
Internal photograph of EUT



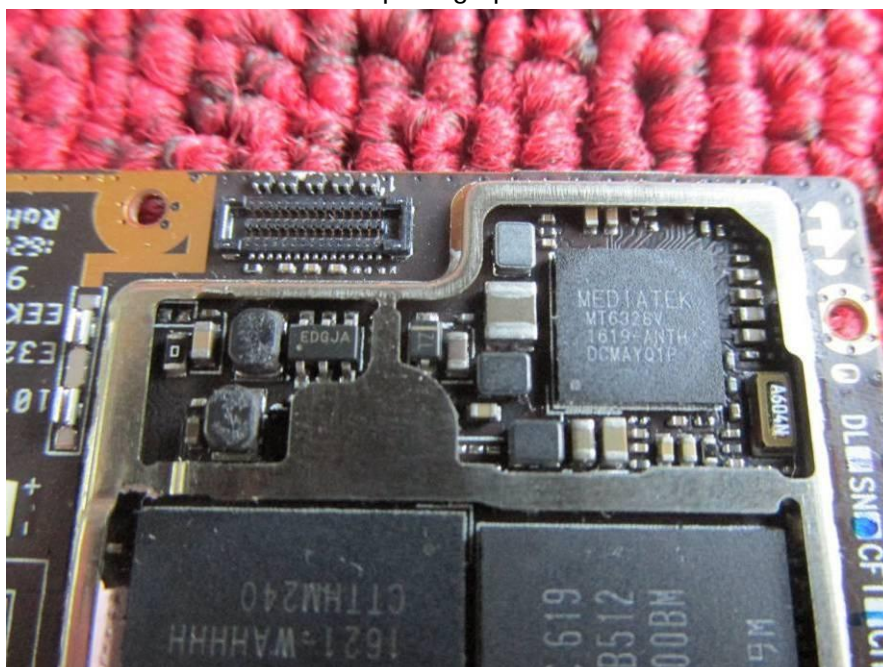
Internal photograph of EUT



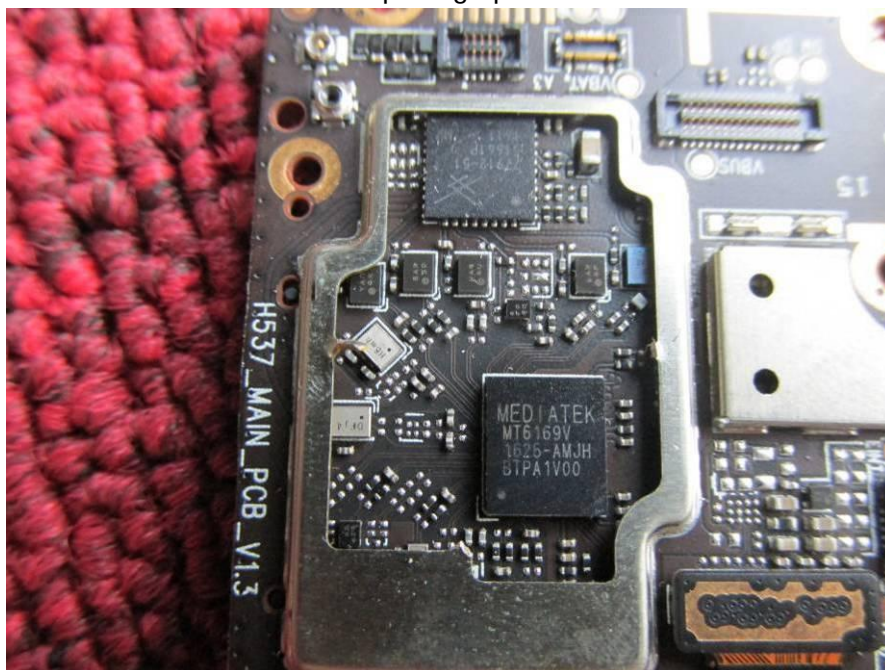
Internal photograph of EUT



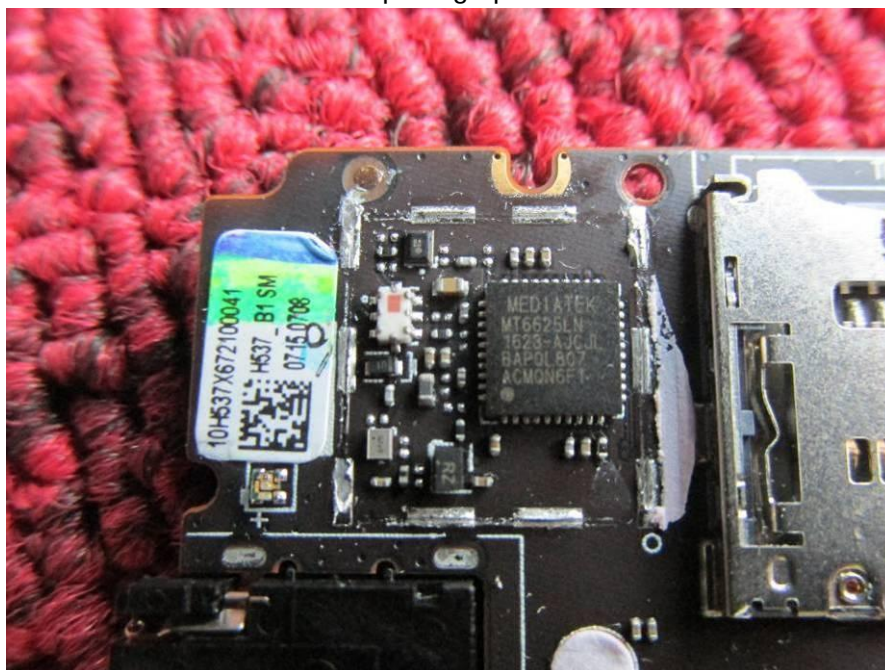
Internal photograph of EUT



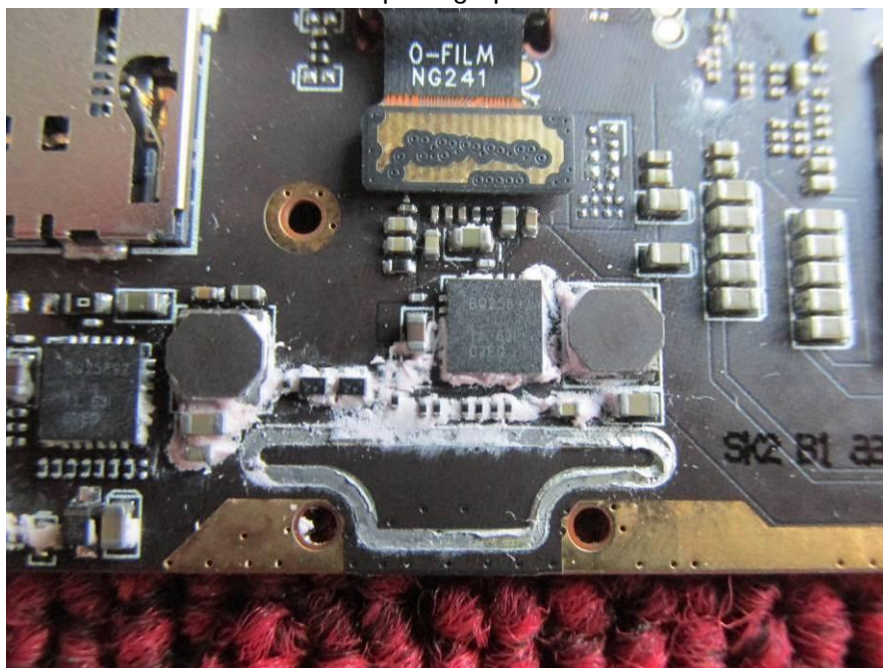
Internal photograph of EUT



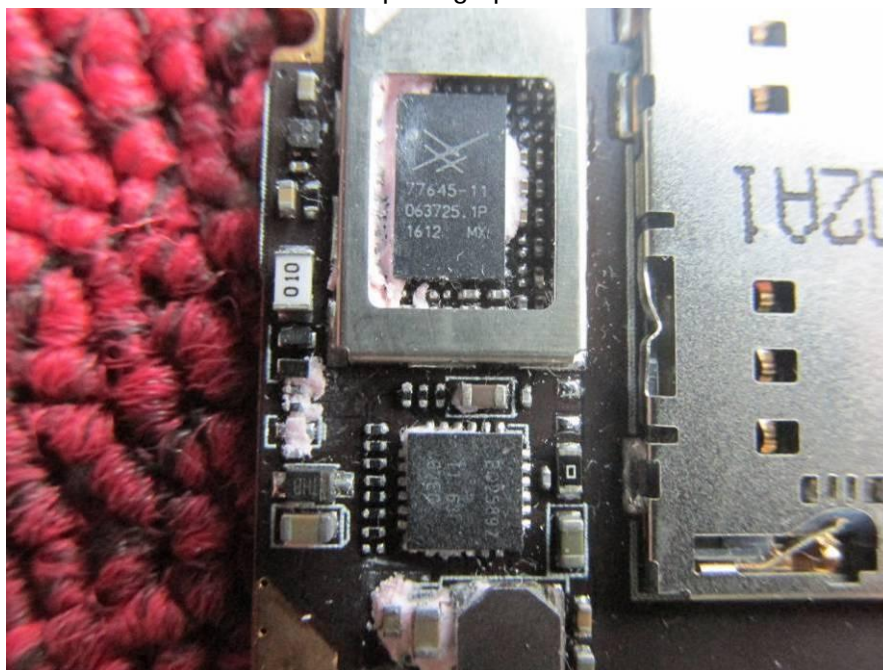
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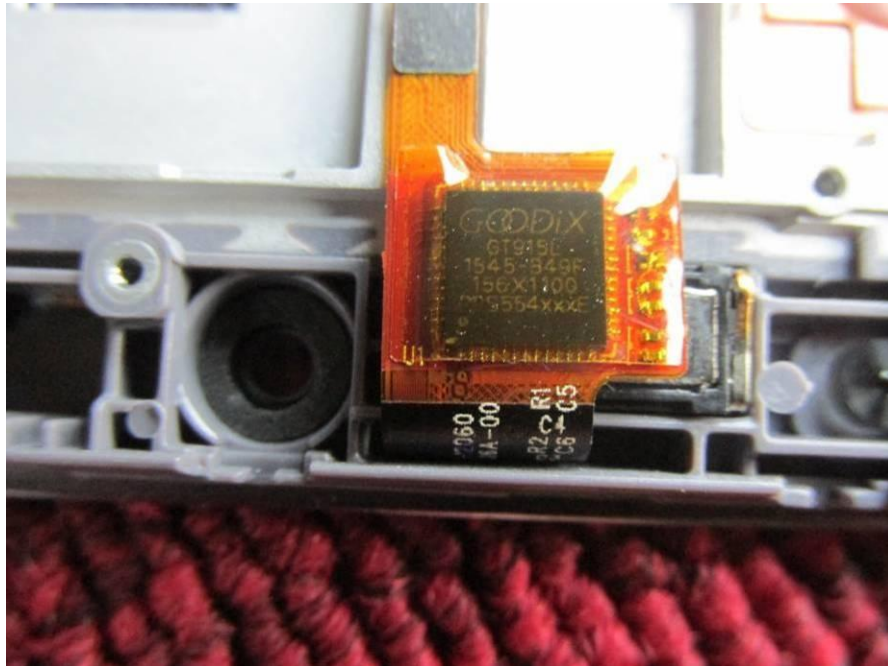
Internal photograph of EUT



Internal photograph of EUT



Internal photograph of EUT



---END OF REPORT---