

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
(Daisy Qin)

Reviewed By : 
Sol Qin
(Sol Qin)

Authorized by : 
Michal Ling
(Michal Ling)

Prepared by : **QTC Certification & Testing Co., Ltd.**
2nd Floor,B1 Building,Fengyeyuan Industrial Plant,, Liuxian
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 |

TABLE OF CONTENTS

| | | |
|------------------------|----------------------------|-----------|
| 1 | BAND EDGE..... | 4 |
| 1.1 | MEASUREMENT RESULT..... | 4 |
| E-UTRA | | 5 |
| BAND 2:..... | | 5 |
| 1.2 | TEST PLOT(s)..... | 7 |
| E-UTRA BANDS | | 13 |
| BAND 2@BAND EDGE | | 14 |
| 2 | EUT TEST PHOTO..... | 46 |
| 3 | EUT PHOTO | 48 |

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 |

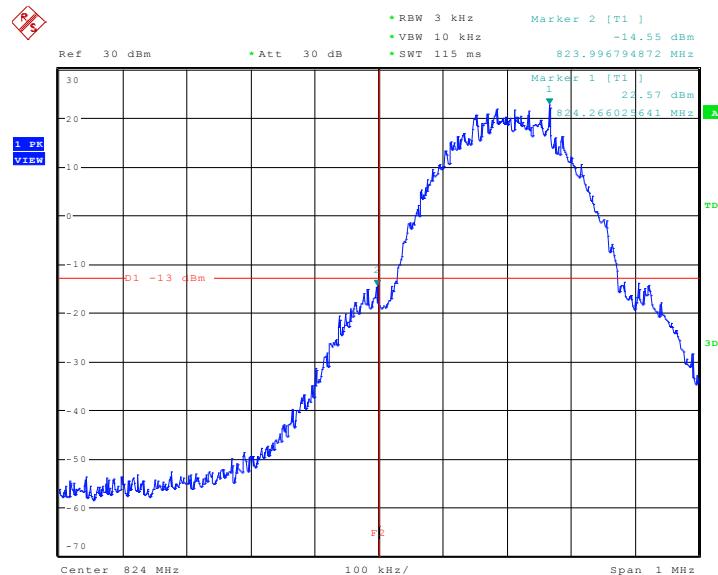
| Bandwidth | UL Channel | Frequency | Modulation | RB Size | RB Offset | Judgement |
|-----------|------------|-----------|------------|---------|-----------|-----------|
| 5 | 18625 | 1852.5 | Q16 | 25 | LOW | Pass |
| 5 | 19175 | 1907.5 | QPSK | 25 | LOW | Pass |
| 5 | 19175 | 1907.5 | Q16 | 25 | 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:

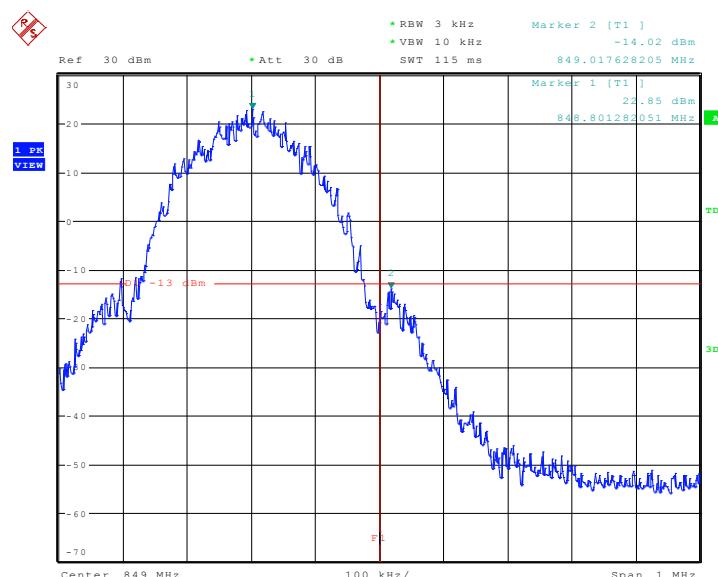
| Bandwidth | UL Channel | Frequency | Modulation | RB Size | RB Offset | Judgement |
|-----------|------------|-----------|------------|---------|-----------|-----------|
| 5 | 20775 | 2502.5 | QPSK | 25 | LOW | Pass |
| 5 | 20775 | 2502.5 | Q16 | 25 | LOW | Pass |
| 5 | 21425 | 2567.5 | QPSK | 25 | 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)

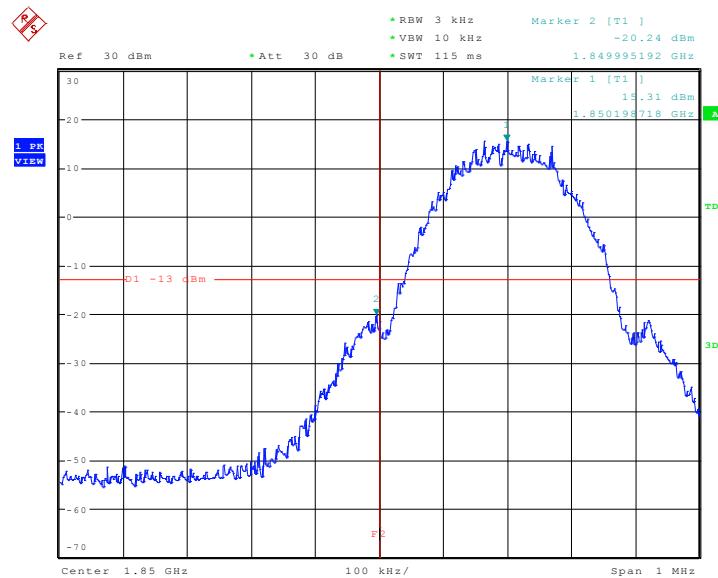
Low Band Edge GSM 850 BAND CH 128



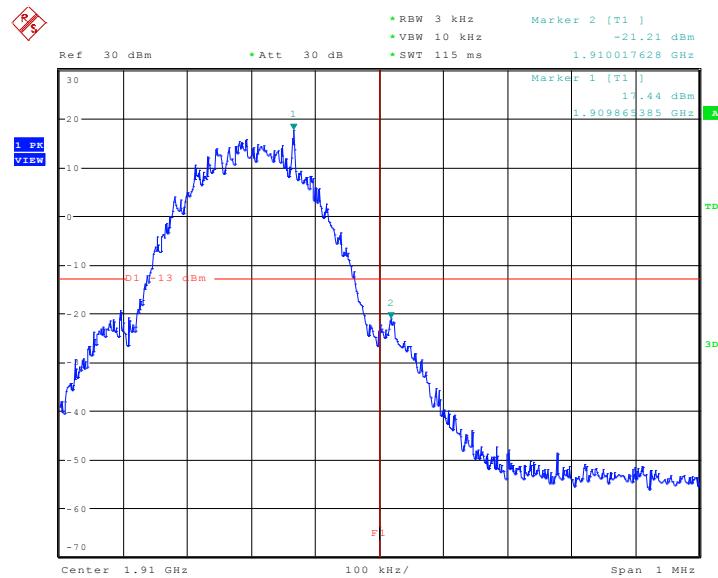
High Band Edge GSM 850 BAND CH 251



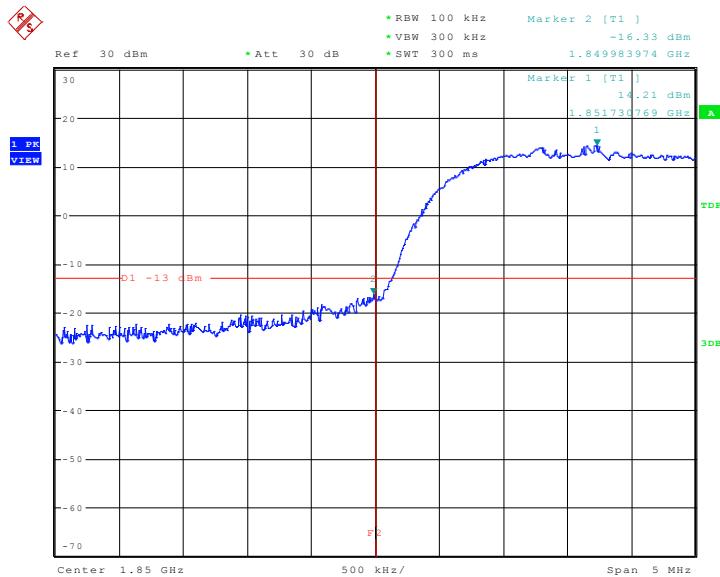
Low Band Edge PCS 1900 BAND CH 512



High Band Edge PCS 1900 BAND CH 810

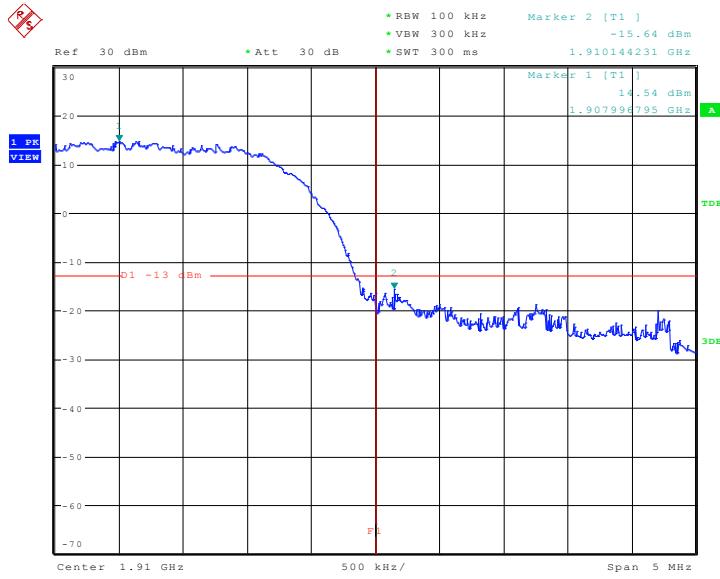


Low Band Edge WCDMA BAND II CH 9263



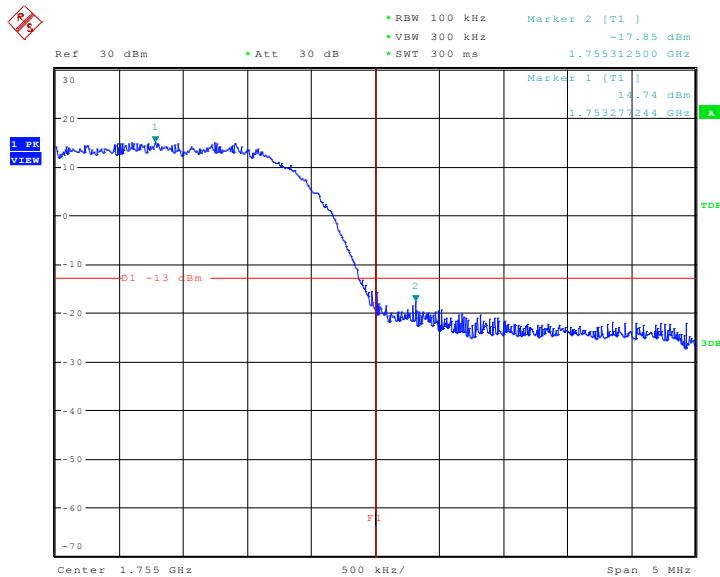
Date: 13.SEP.2016 09:48:10

High Band Edge WCDMA BAND II CH 9537

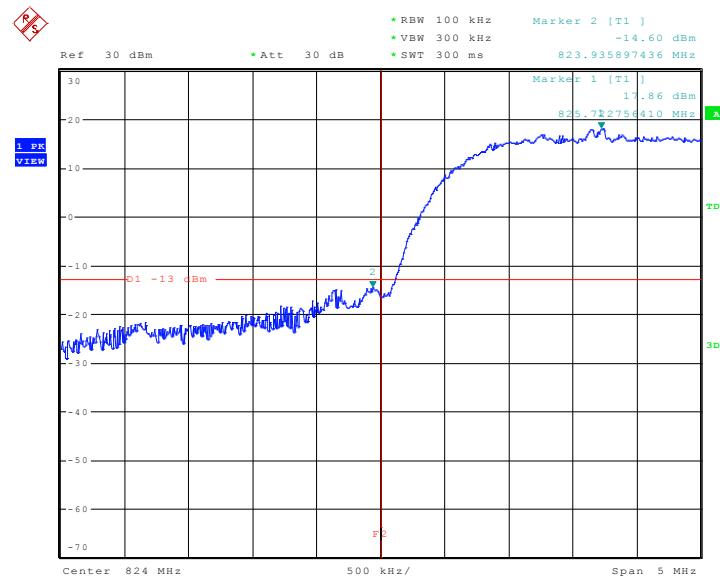


Date: 13.SEP.2016 09:49:47

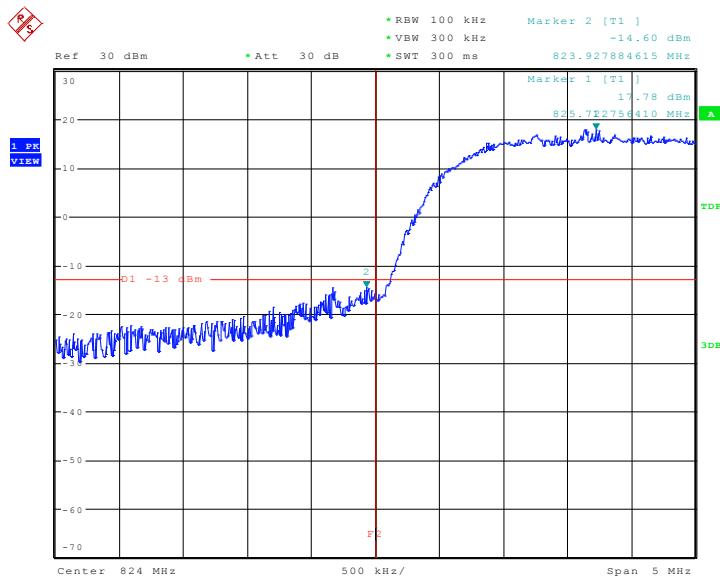
Low Band Edge WCDMA BAND IV CH 1512



High Band Edge WCDMA BAND V CH 4133

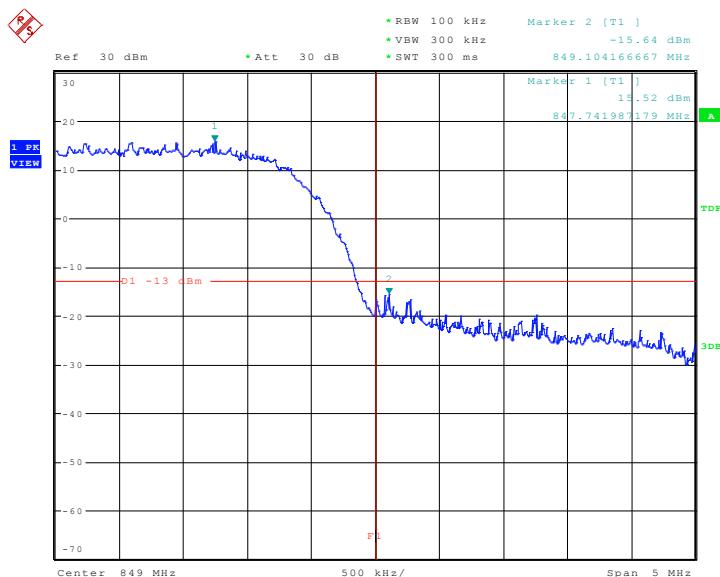


Low Band Edge WCDMA BAND V CH 4133



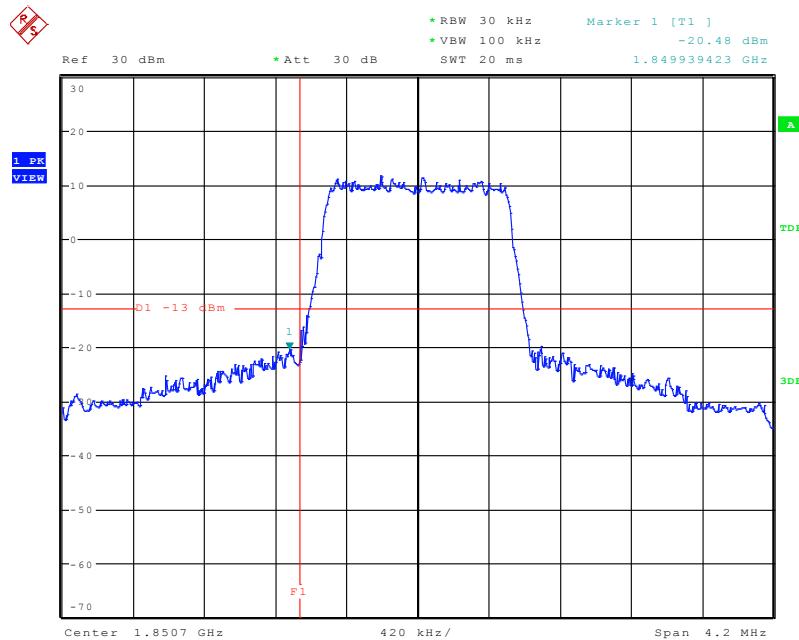
Date: 13.SEP.2016 10:01:58

High Band Edge WCDMA BAND V CH 4232

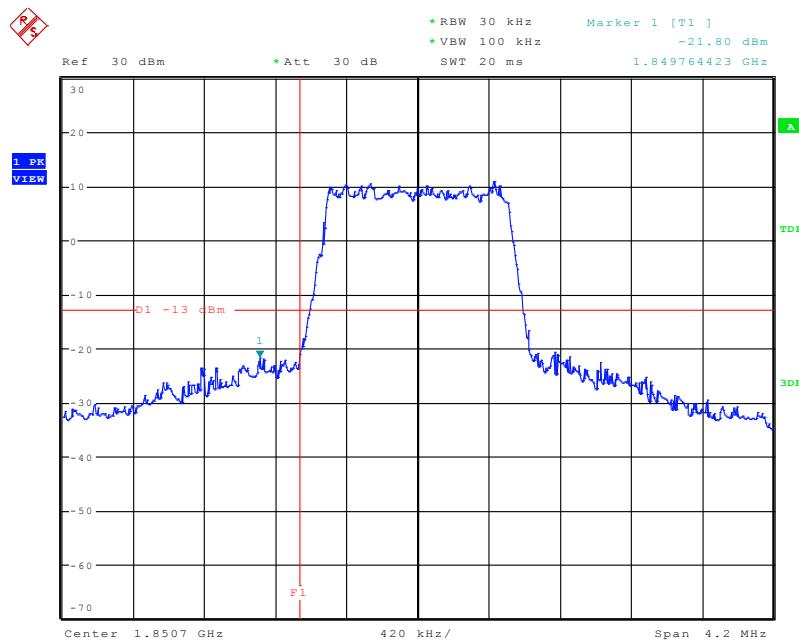


Date: 13.SEP.2016 10:04:16

E-UTRA BANDS

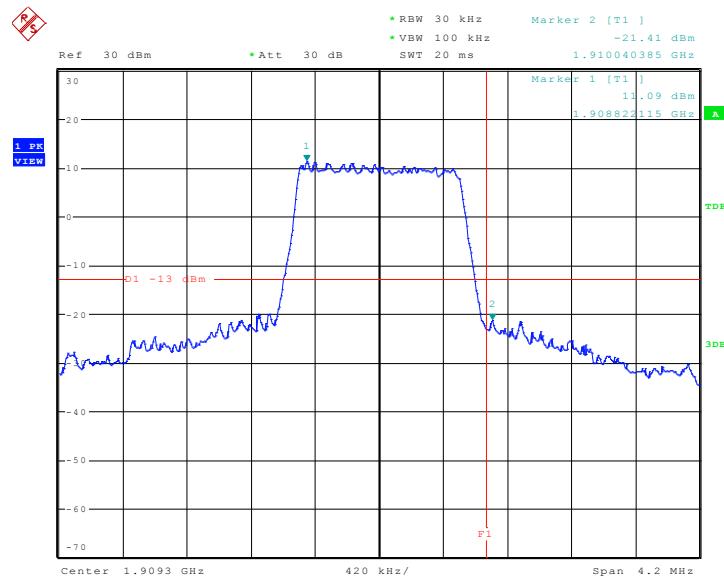
BAND 2@Band Edge**BAND2-1850.756MHz,QPSK-6RB_LOW@Pass**

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

BAND2-1850.7MHz,Q16-6RB_LOW@Pass

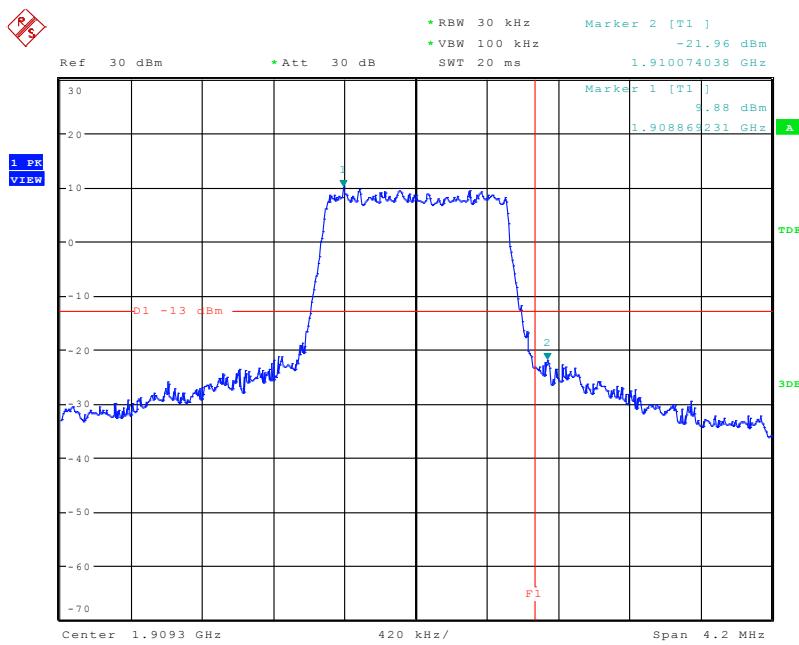
Date: 23.SEP.2016 15:03:45

BAND2-1909.3MHz,QPSK-6RB_LOW@Pass



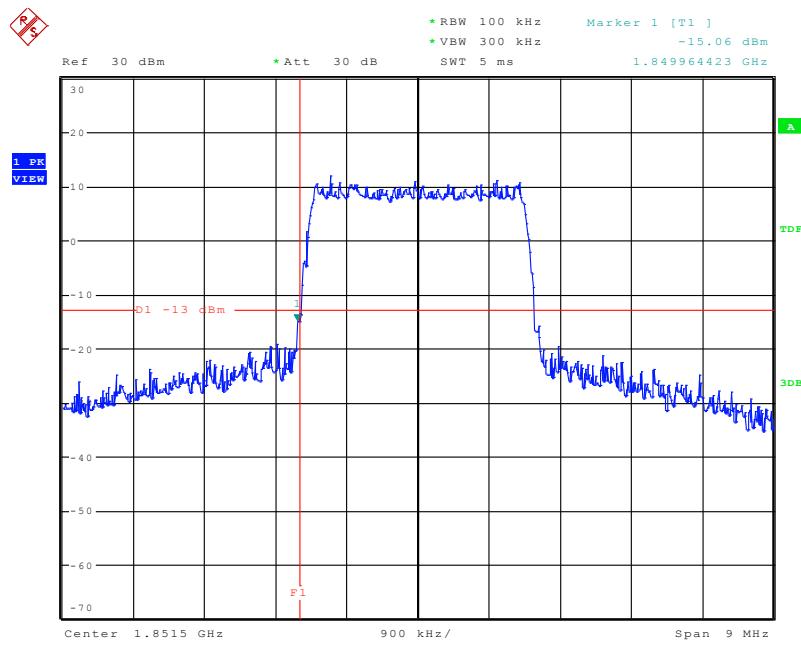
Date: 24.SEP.2016 09:32:01

BAND2-1909.3MHz,Q16-6RB_LOW@Pass

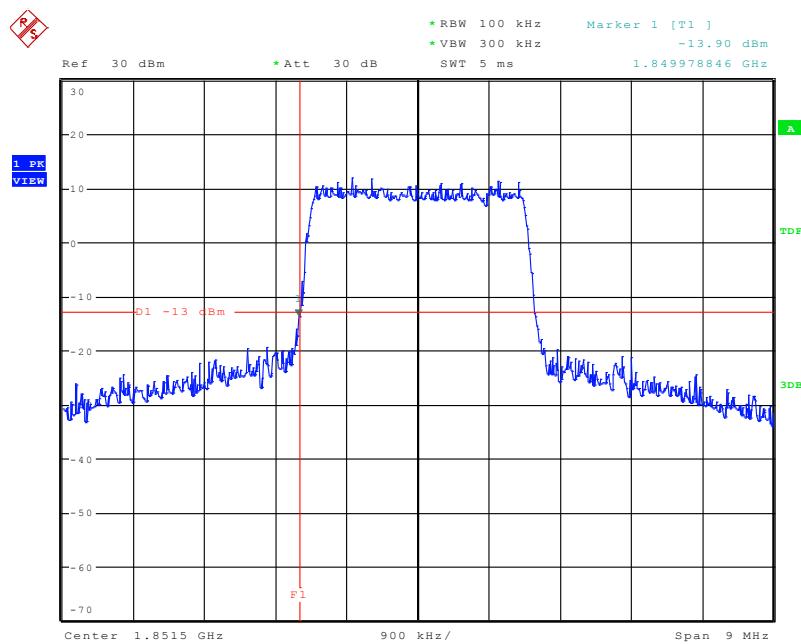


Date: 24.SEP.2016 09:34:22

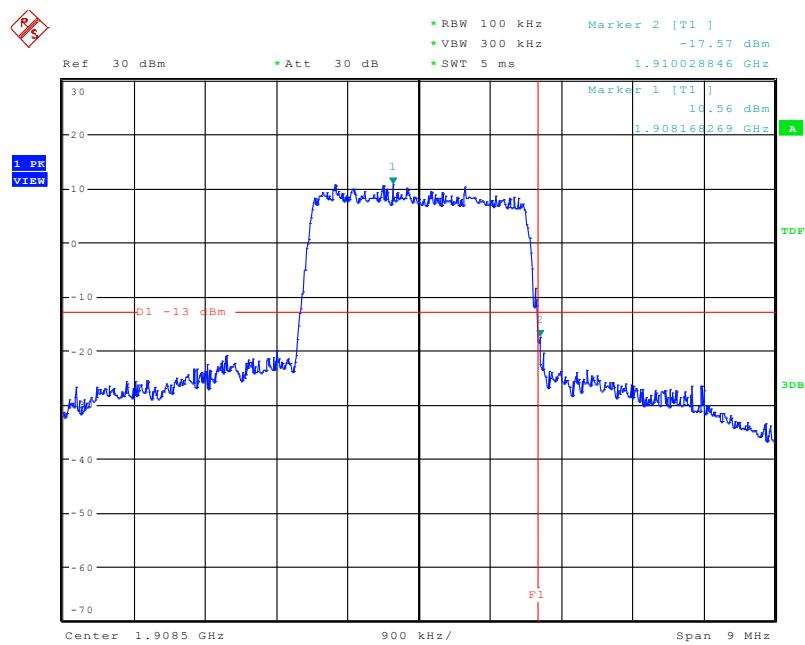
BAND2-1851.5MHz,QPSK-15RB_LOW@Pass



BAND2-1851.5MHz,Q16-15RB_LOW@Pass

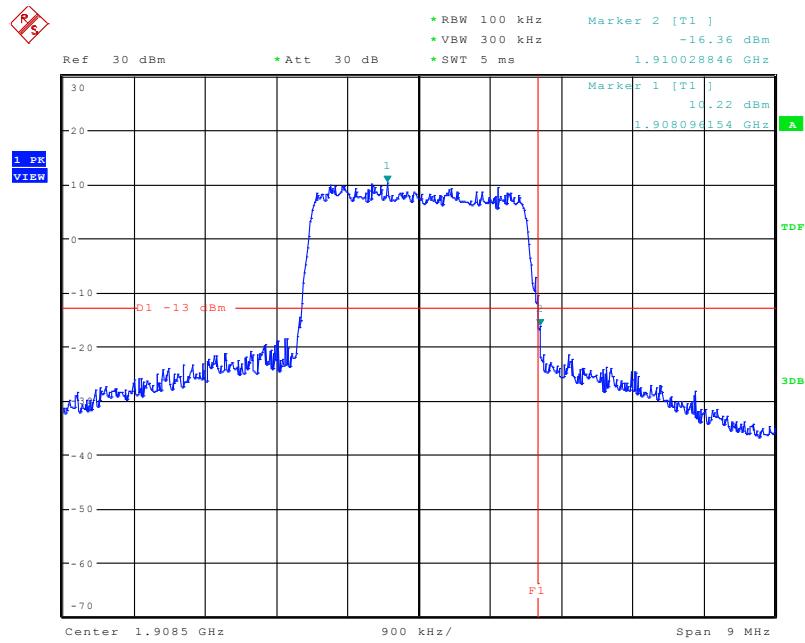


BAND2-1908.5MHz,QPSK-15RB_LOW@Pass



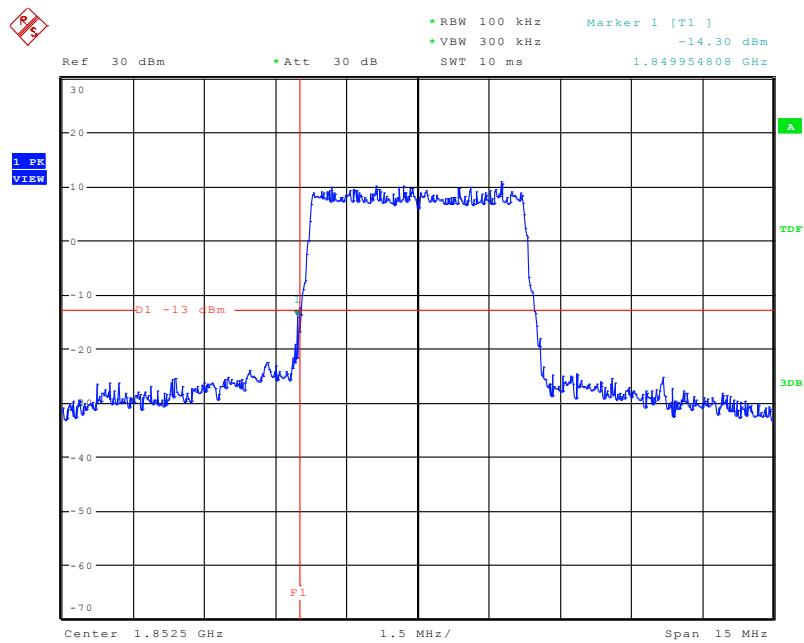
Date: 24.SEP.2016 09:38:25

BAND2-1908.5MHz,Q16-15RB_LOW@Pass

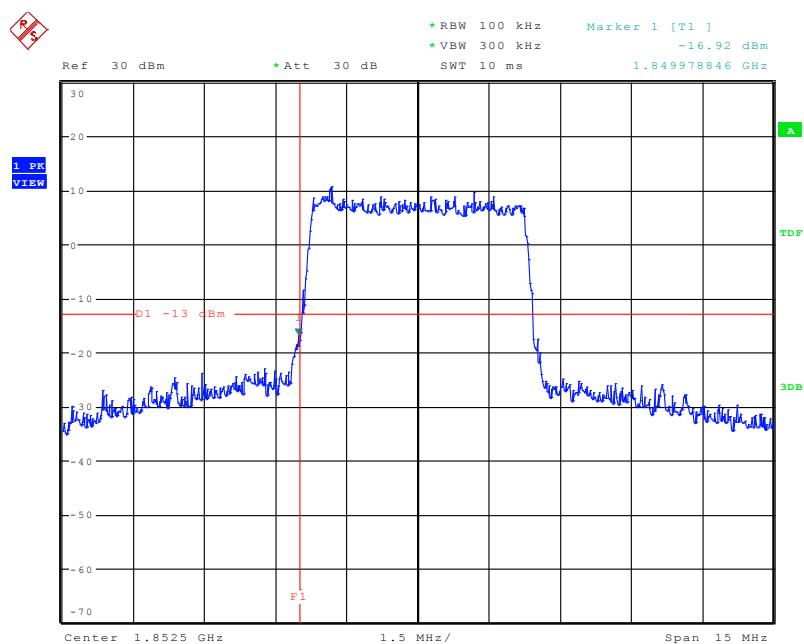


Date: 24.SEP.2016 09:39:36

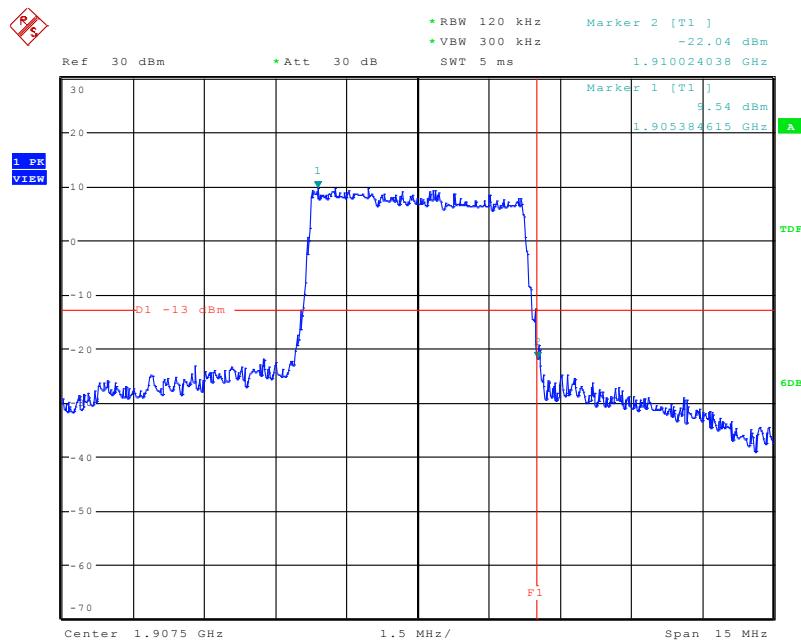
BAND2-1852.5MHz,QPSK-25RB_LOW@Pass



BAND2-1852.5MHz,Q16-25RB_LOW@Pass

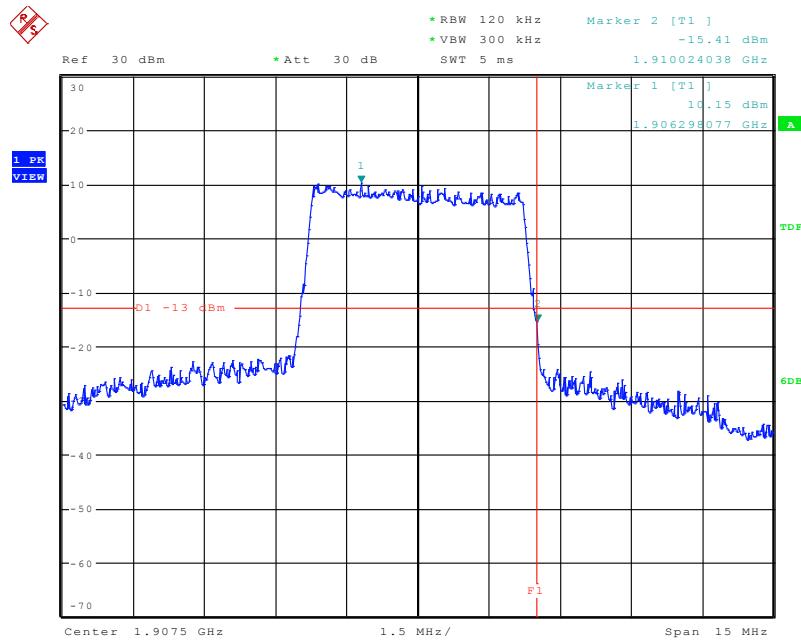


BAND2-1907.5MHz,QPSK-25RB_LOW@Pass



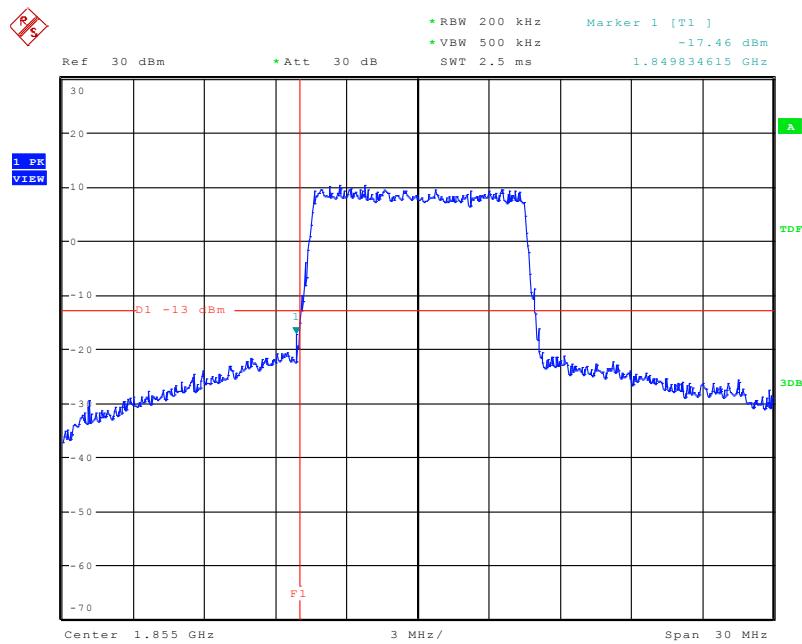
Date: 8.SEP.2016 14:36:30

BAND2-1907.5MHz,Q16-25RB_LOW@Pass



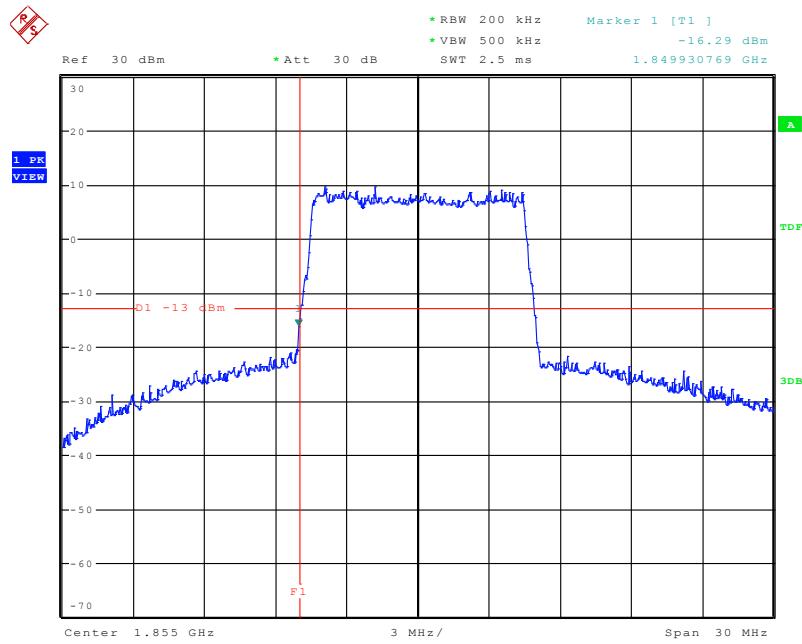
Date: 8.SEP.2016 14:37:21

BAND2-1855MHz,QPSK-50RB_LOW@Pass



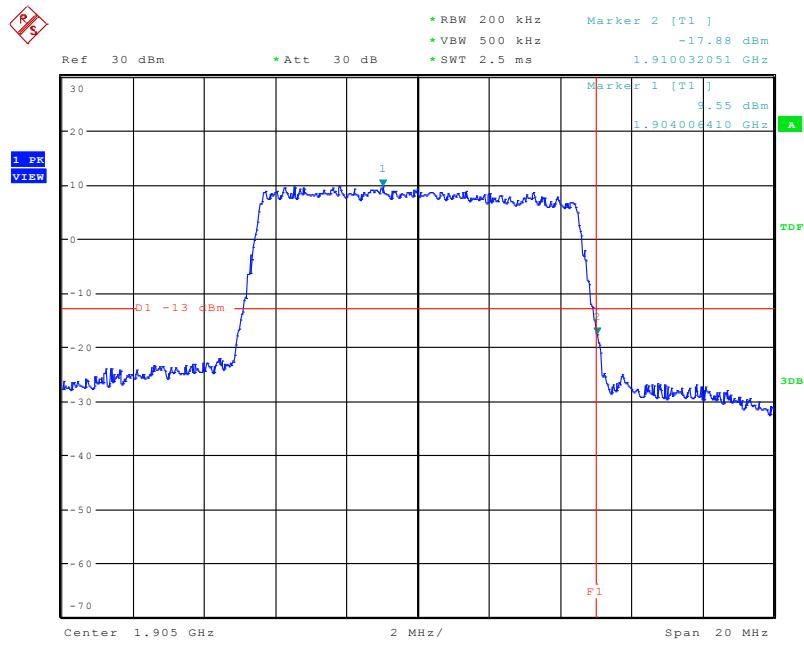
Date: 23.SEP.2016 15:13:01

BAND2-1855MHz,Q16-50RB_LOW@Pass



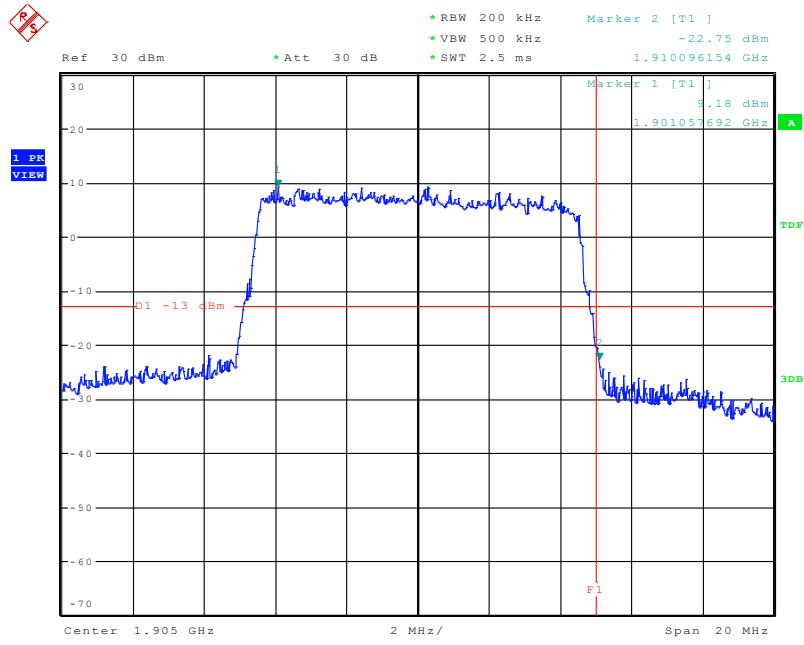
Date: 23.SEP.2016 15:13:55

BAND2-1905MHz,QPSK-50RB_LOW@Pass



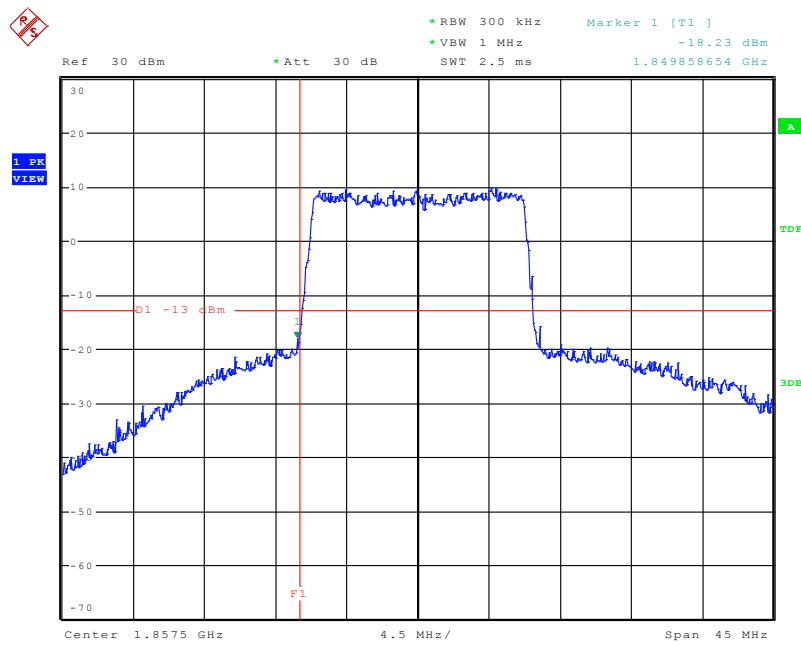
Date: 24.SEP.2016 09:45:58

BAND2-1905MHz,Q16-50RB_LOW@Pass



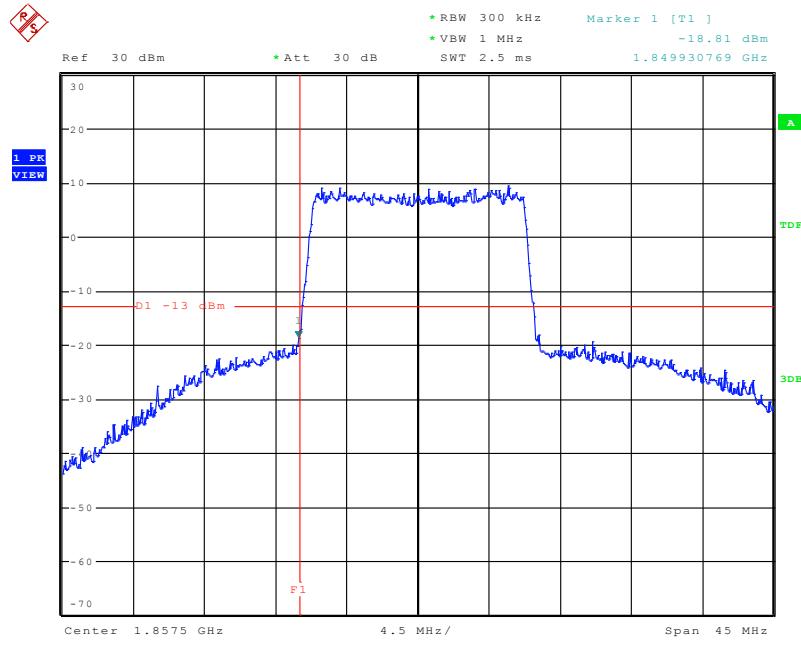
Date: 24.SEP.2016 09:46:55

BAND2-1857.5MHz,QPSK-75RB_LOW@Pass

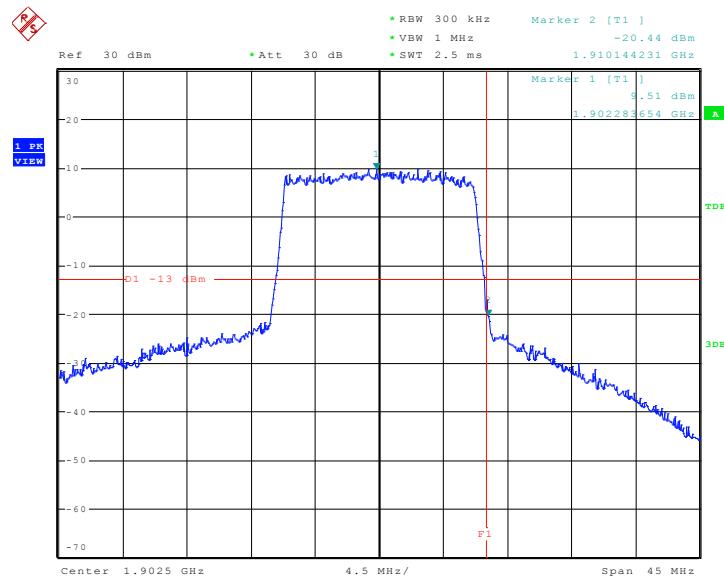


Date: 23.SEP.2016 15:15:23

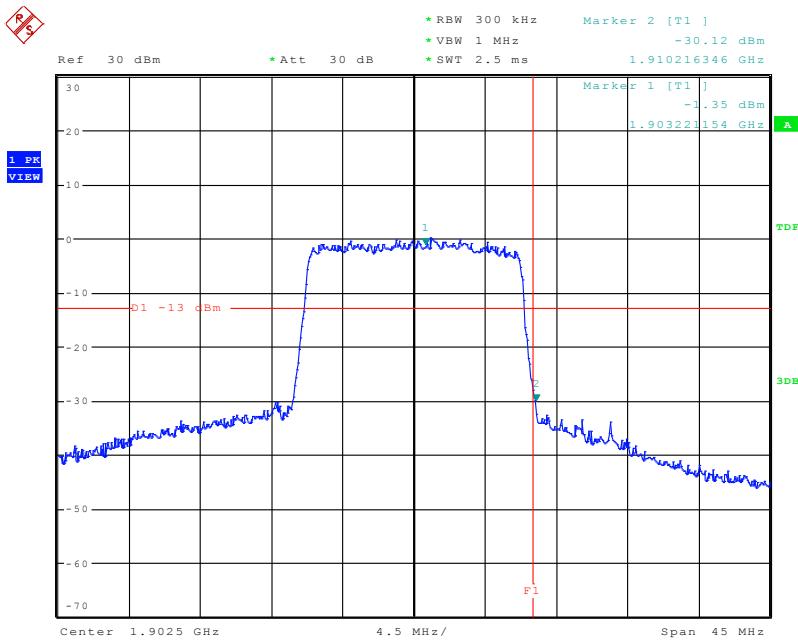
BAND2-1857.5MHz,Q16-75RB_LOW@Pass



Date: 23.SEP.2016 15:16:15

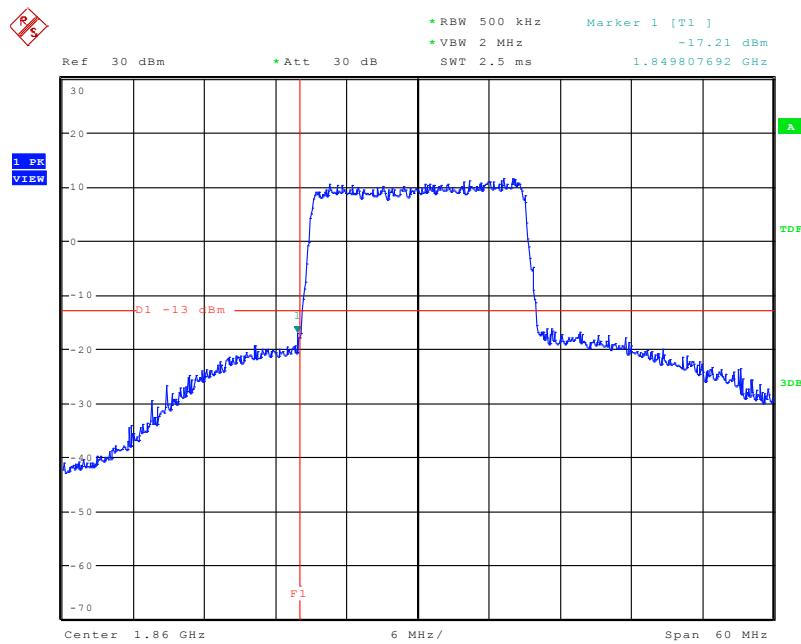
BAND2-1902.5MHz,QPSK-75RB_LOW@Pass

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

BAND2-1902.5MHz,Q16-75RB_LOW@Pass

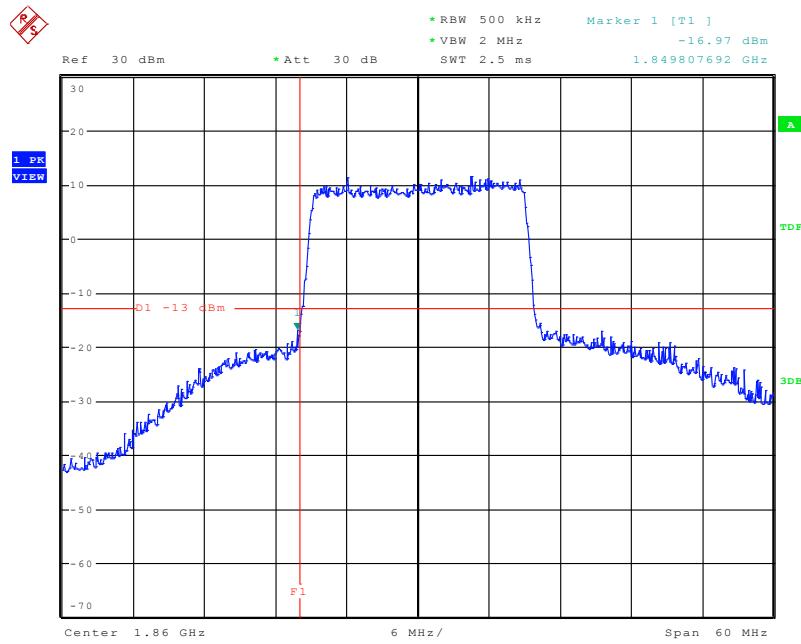
Date: 24.SEP.2016 09:50:34

BAND2-1860MHz,QPSK-100RB_LOW@Pass



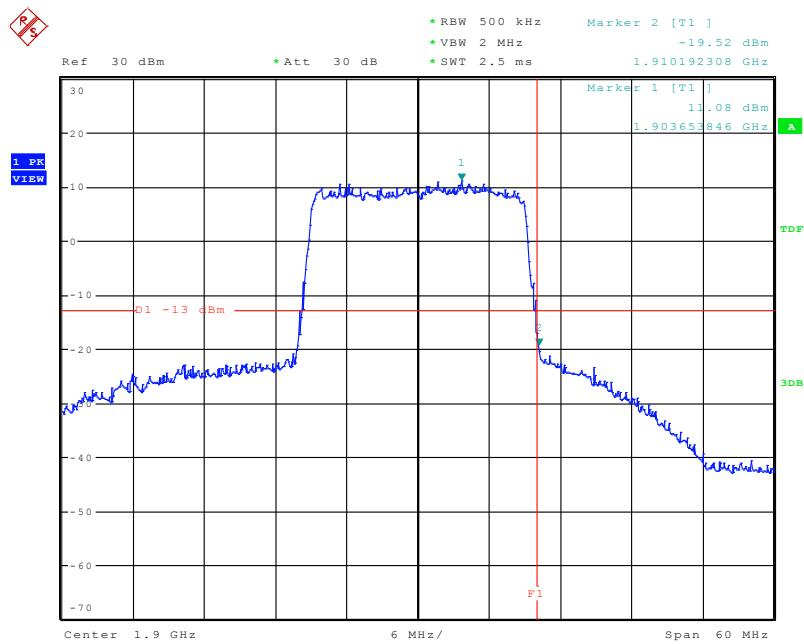
Date: 23.SEP.2016 15:23:45

BAND2-1860MHz,Q16-100RB_LOW@Pass

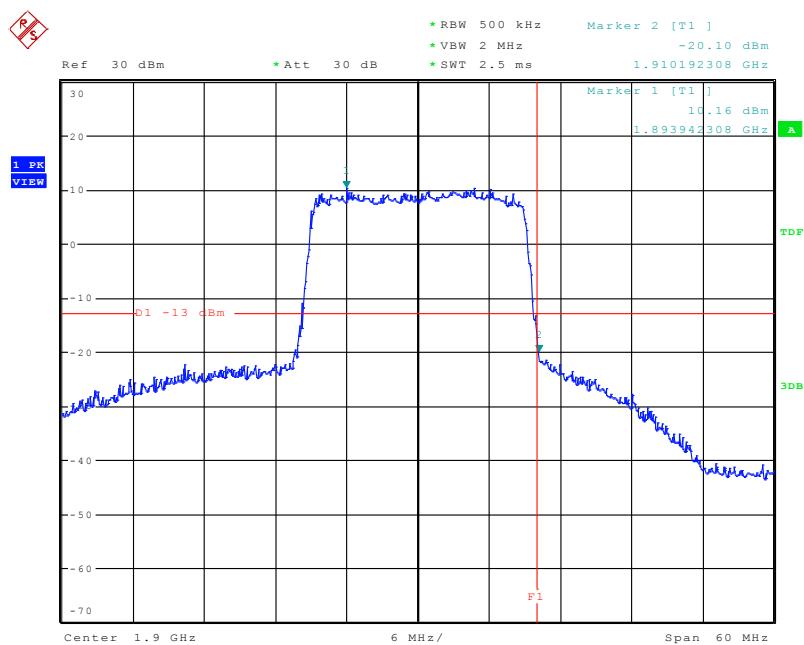


Date: 23.SEP.2016 15:24:23

BAND2-1900MHz,QPSK-100RB_LOW@Pass

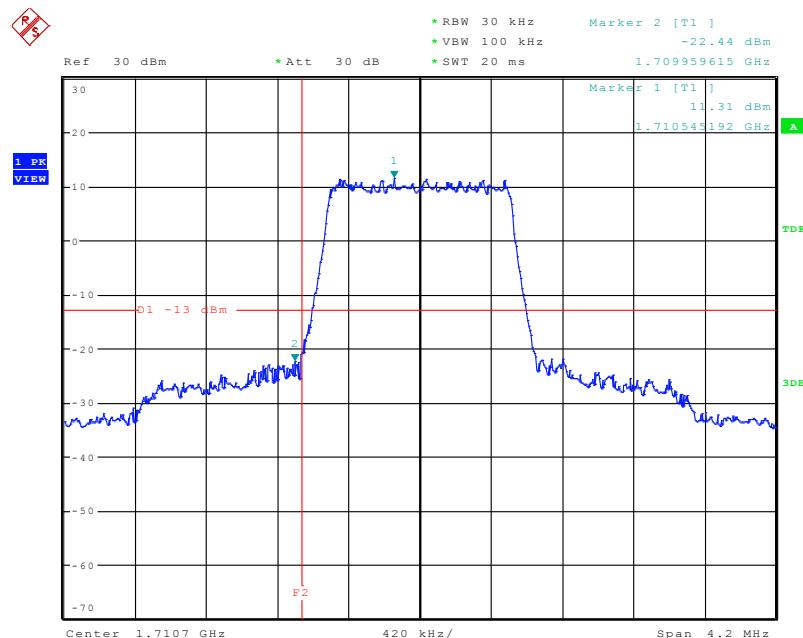


BAND2-1900MHz,Q16-100RB_LOW@Pass



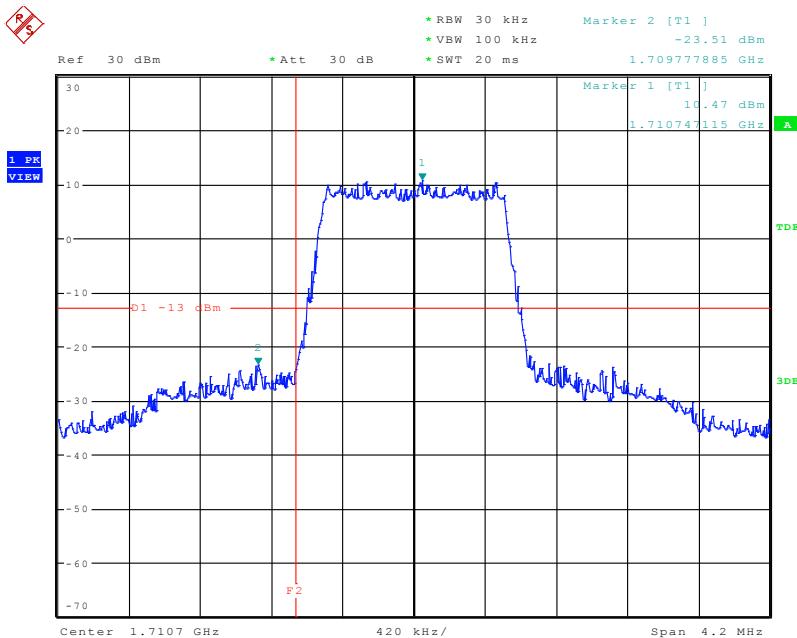
BAND 4@Band Edge

BAND4-1710.7MHz,QPSK-6RB_LOW@Pass



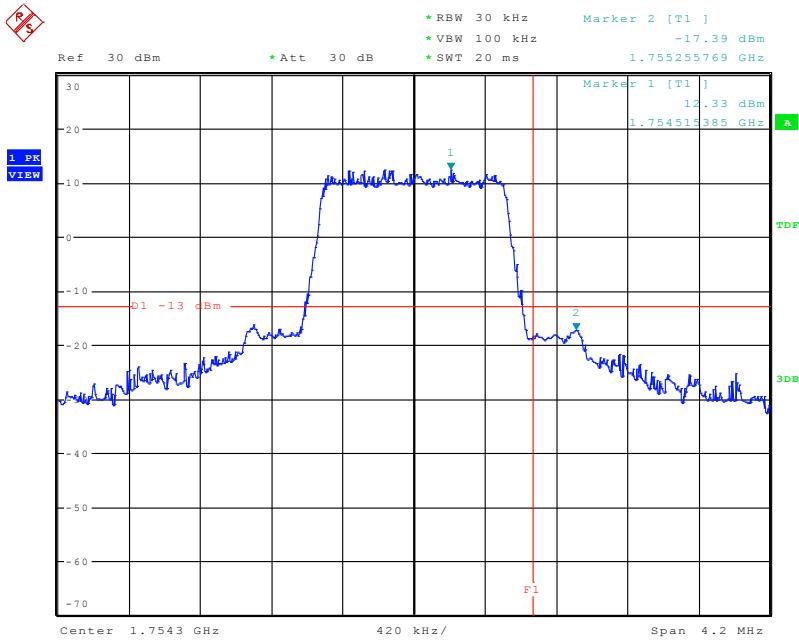
17:42

BAND4-1710.7MHz,Q16-6RB_LOW@Pass



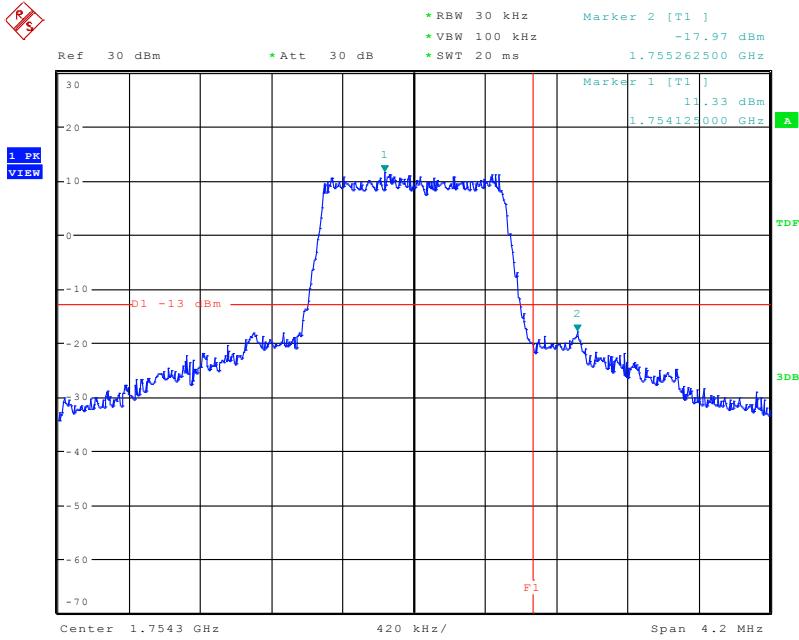
Date: 24.SEP.2016 14:18:29

BAND4-1754.3MHz,QPSK-6RB_LOW@Pass



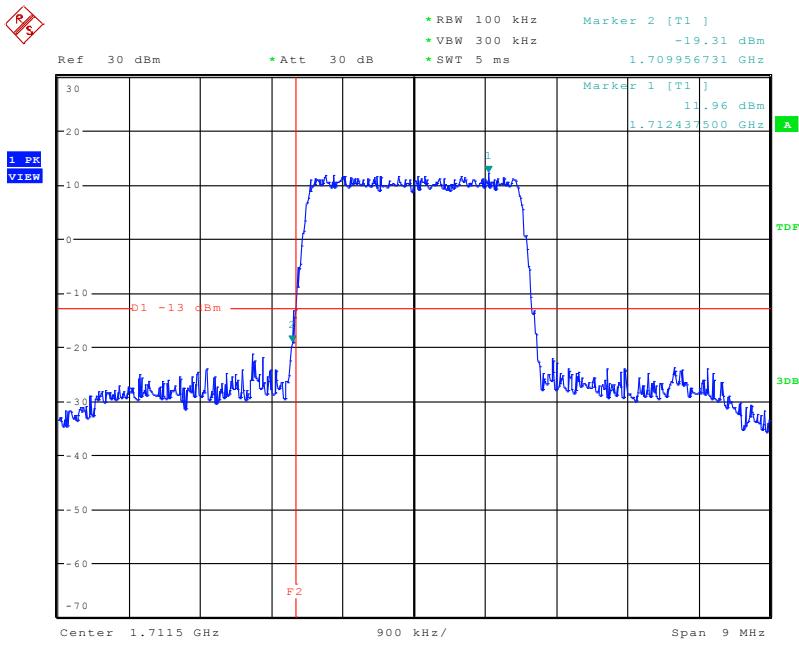
Date: 24.SEP.2016 14:20:10

BAND4-1754.3MHz,Q16-6RB_LOW@Pass



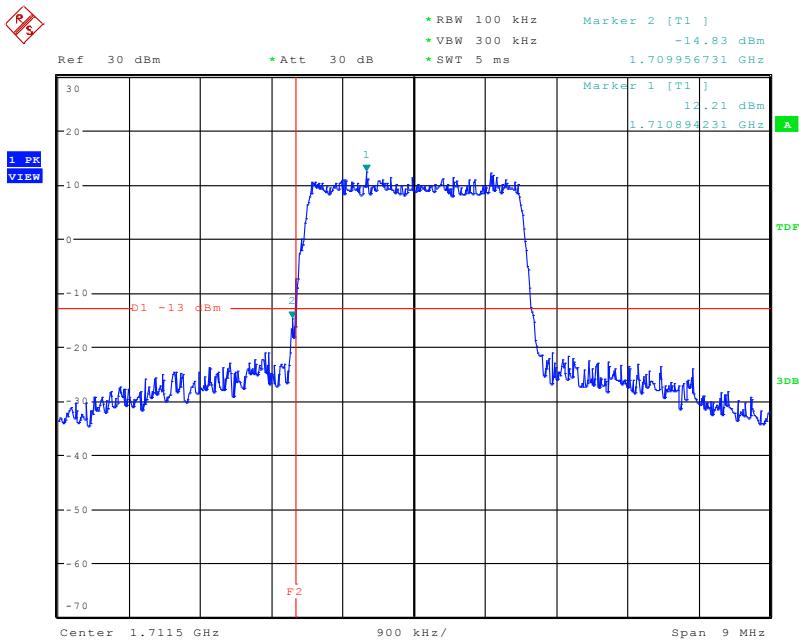
:20:52

BAND4-1711.5MHz,QPSK-15RB_LOW@Pass



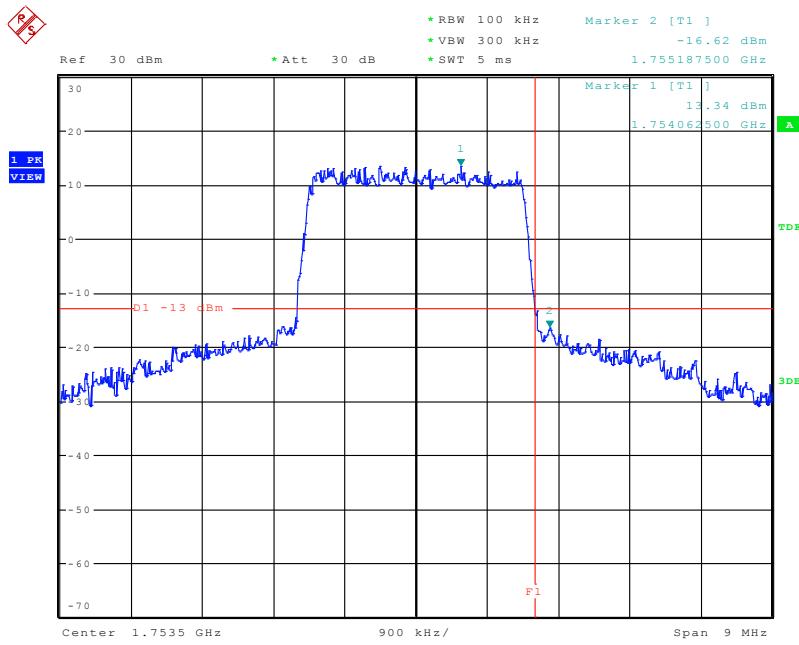
16

BAND4-1711.5MHz,Q16-15RB_LOW@Pass



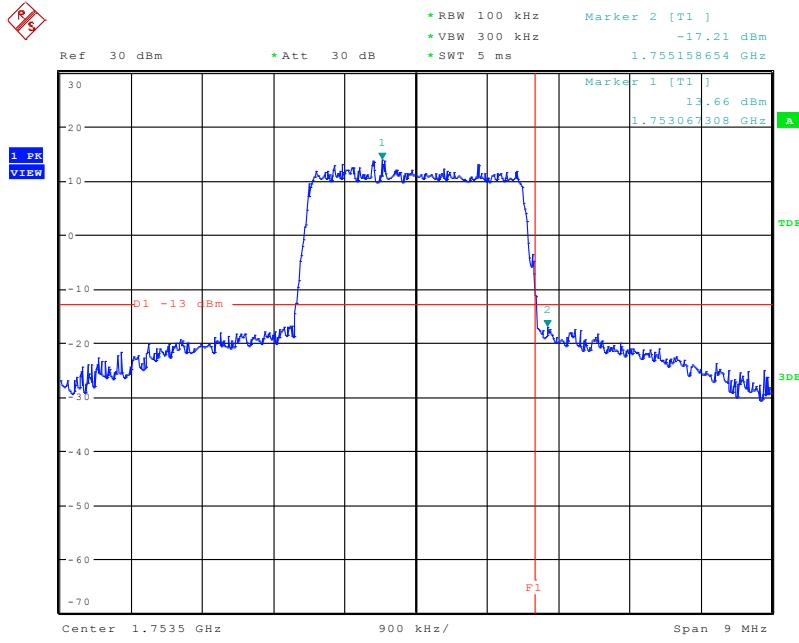
4:23:01

BAND4-1753.5MHz,QPSK-15RB_LOW@Pass



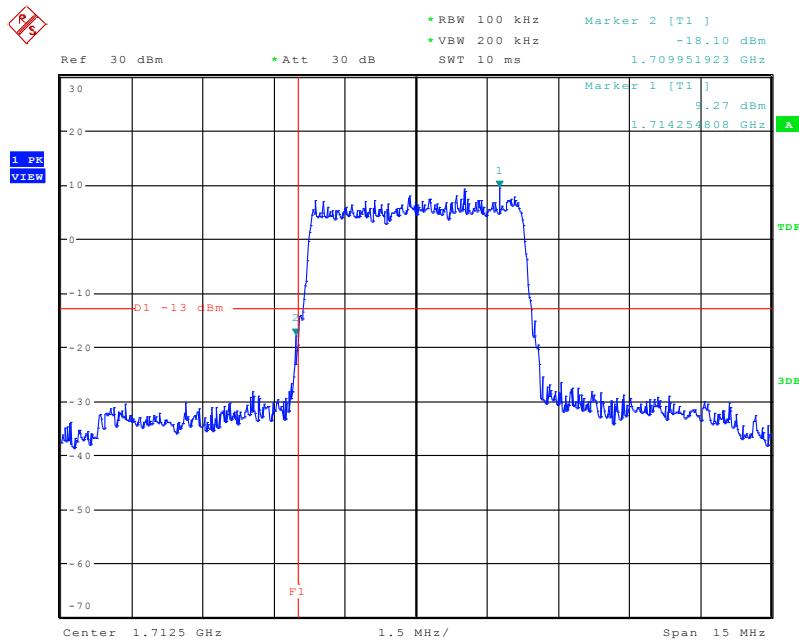
1:24:28

BAND4-1753.5MHz,Q16-15RB_LOW@Pass



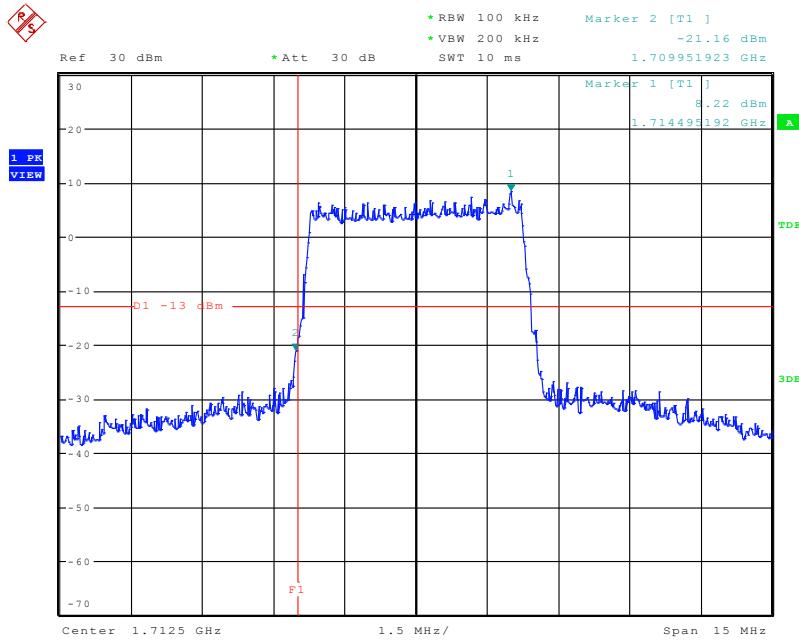
1:25:29

BAND4-1712.5MHz,QPSK-25RB_LOW@Pass



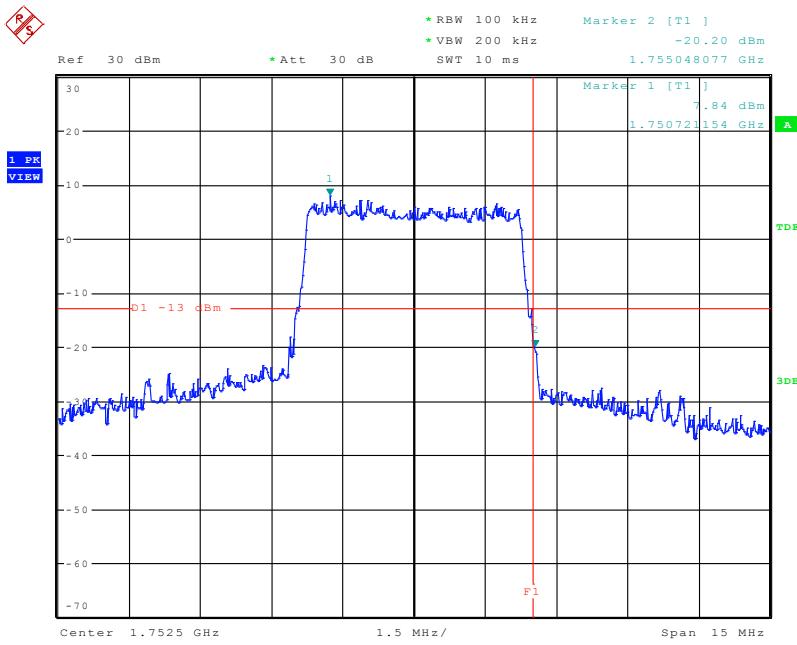
Date: 20.SEP.2016 18:43:43

BAND4-1712.5MHz,Q16-25RB_LOW@Pass

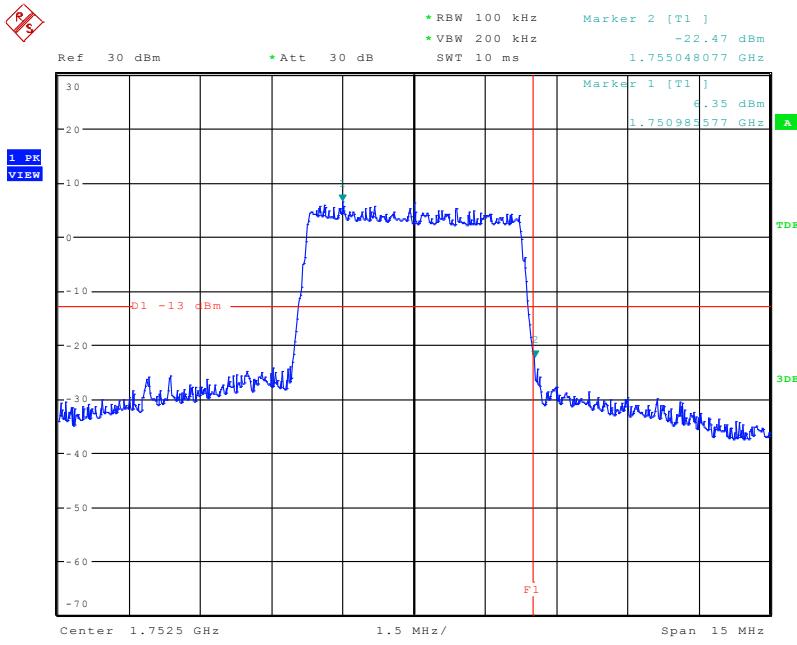


Date: 20.SEP.2016 18:44:02

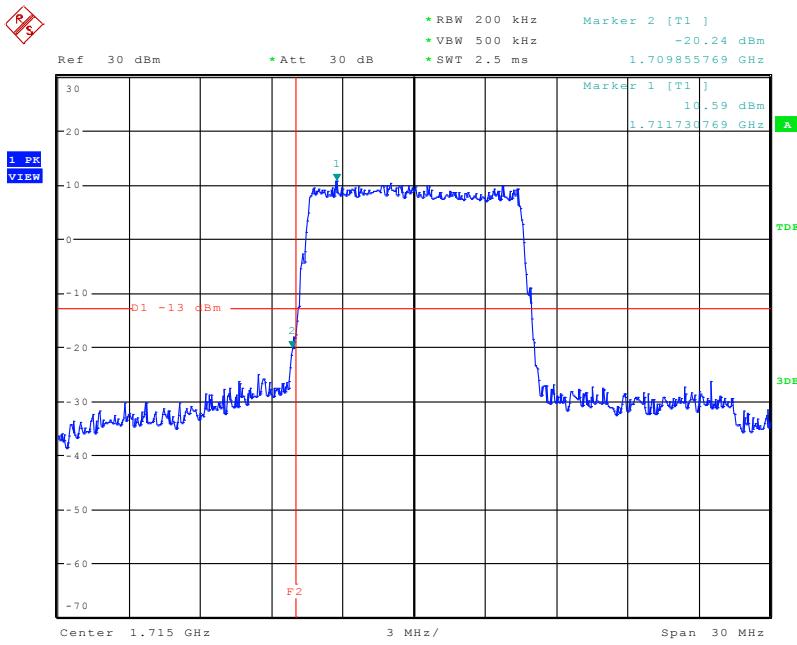
BAND4-1752.5MHz,QPSK-25RB_LOW@Pass



BAND4-1752.5MHz,Q16-25RB_LOW@Pass

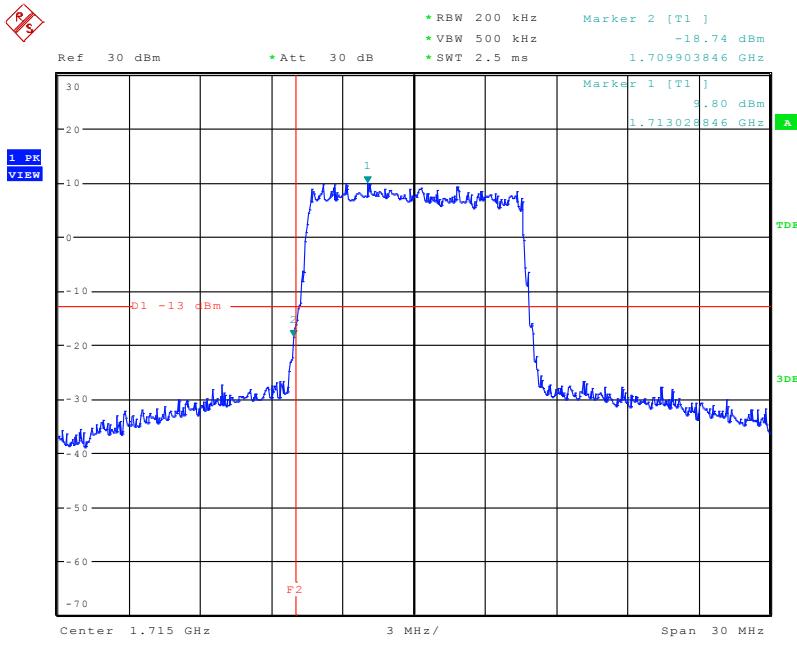


BAND4-1715MHz,QPSK-50RB_LOW@Pass



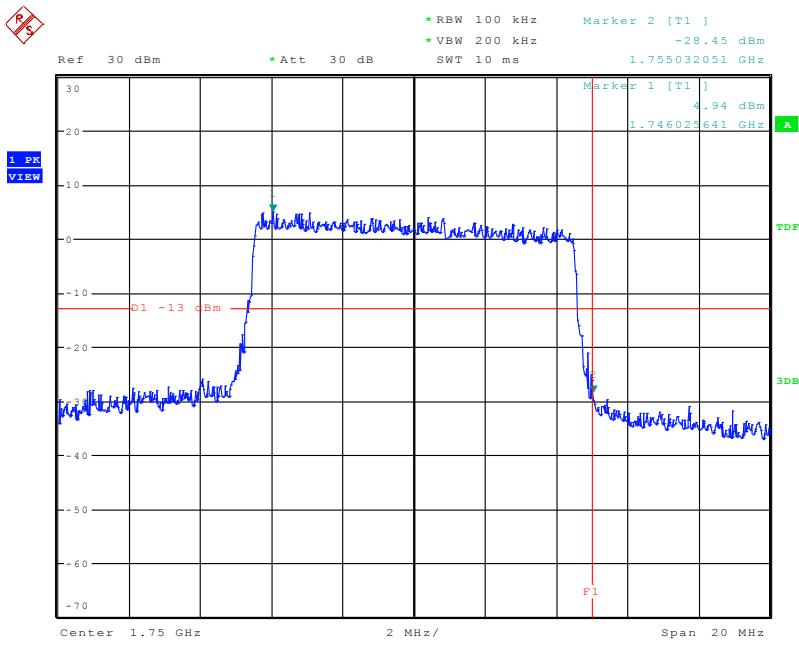
Date: 24.SEP.2016 14:30:57

BAND4-1715MHz,Q16-50RB_LOW@Pass



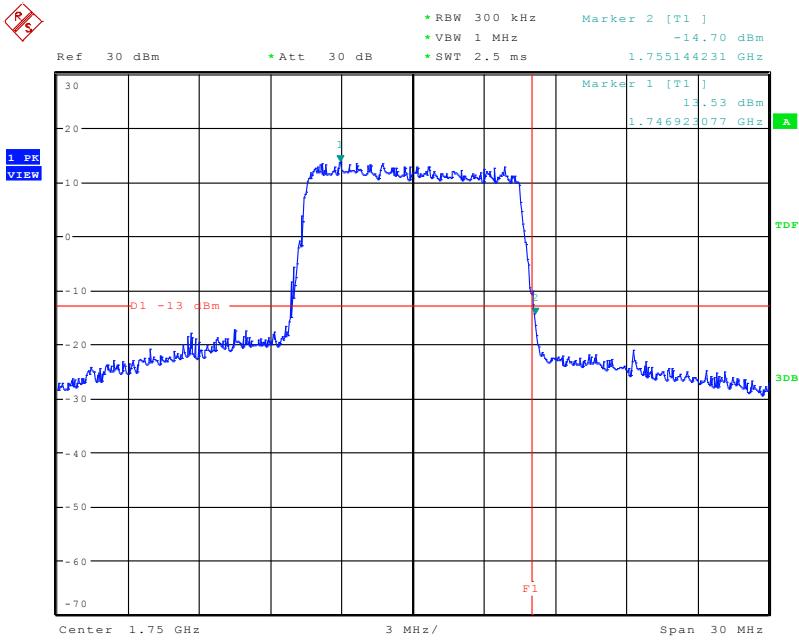
Date: 24.SEP.2016 14:31:38

BAND4-1750MHz,QPSK-50RB_LOW@Pass



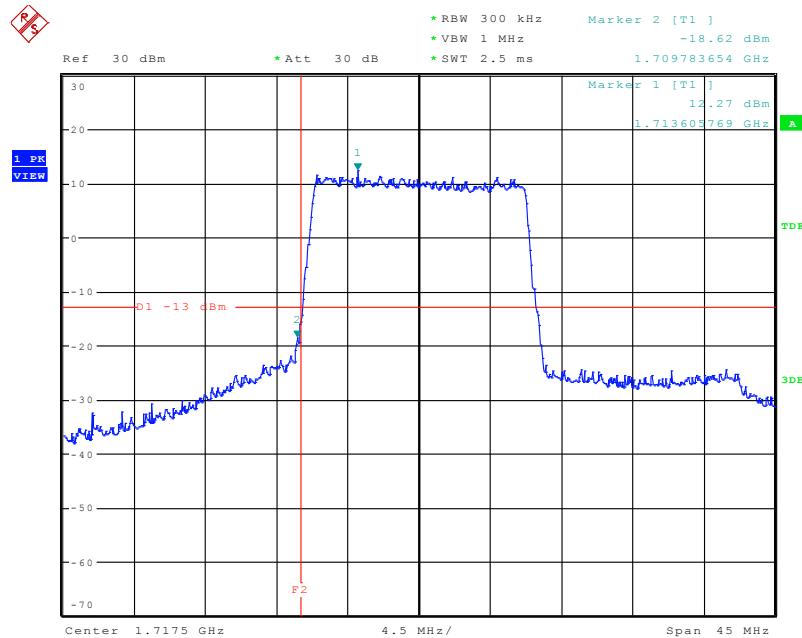
Date: 20.SEP.2016 18:46:54

BAND4-1750MHz, Q16-75RB_LOW@Pass



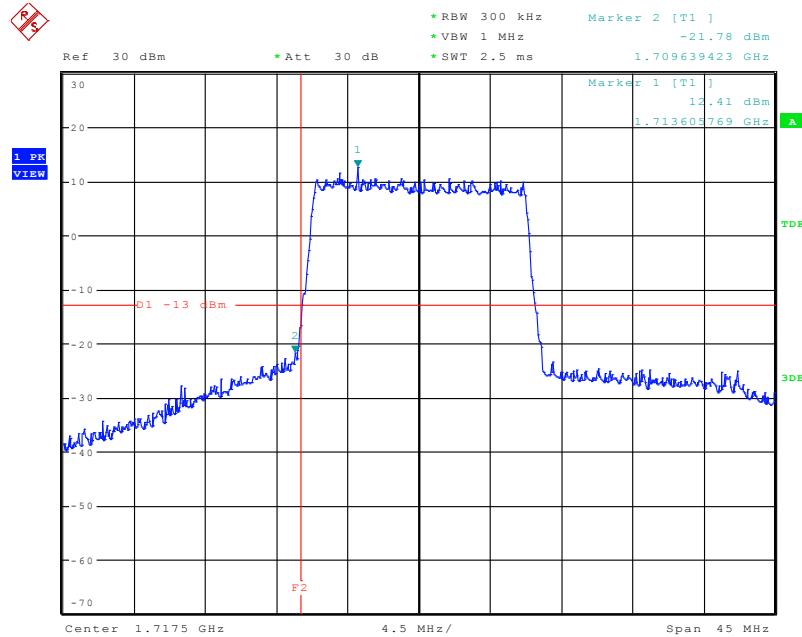
Date: 24.SEP.2016 14:39:12

BAND4-1717.5MHz,QPSK-75RB_LOW@Pass



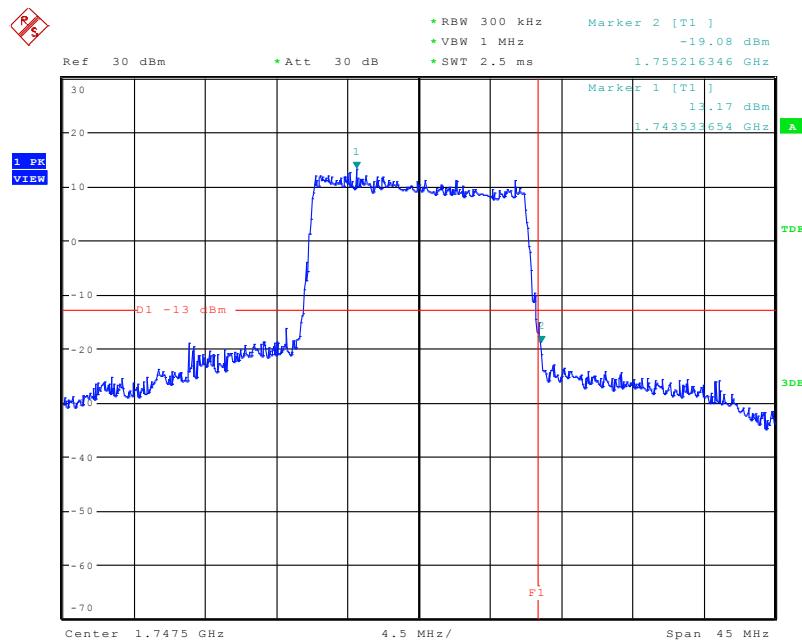
14:40:59

BAND4-1717.5MHz,Q16-75RB_LOW@Pass



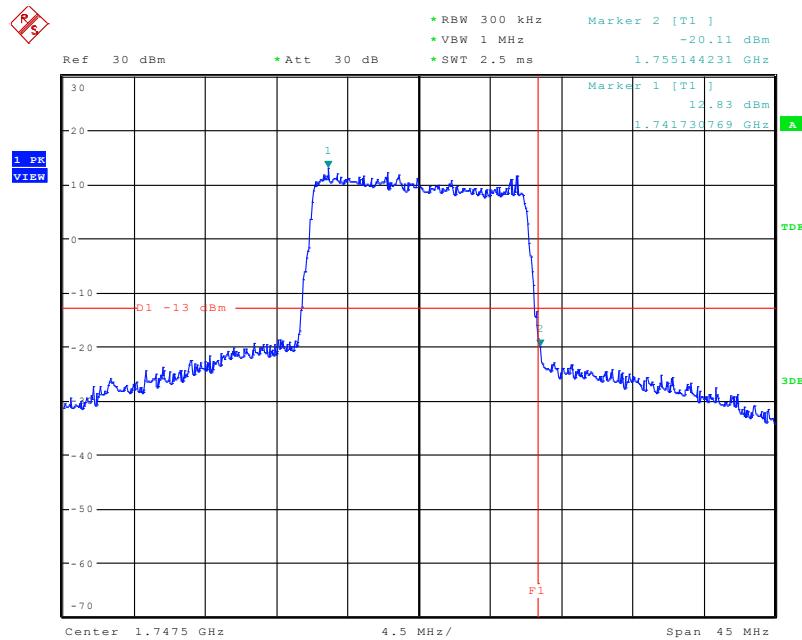
41:44

BAND4-1747.5MHz,QPSK-75RB_LOW@Pass



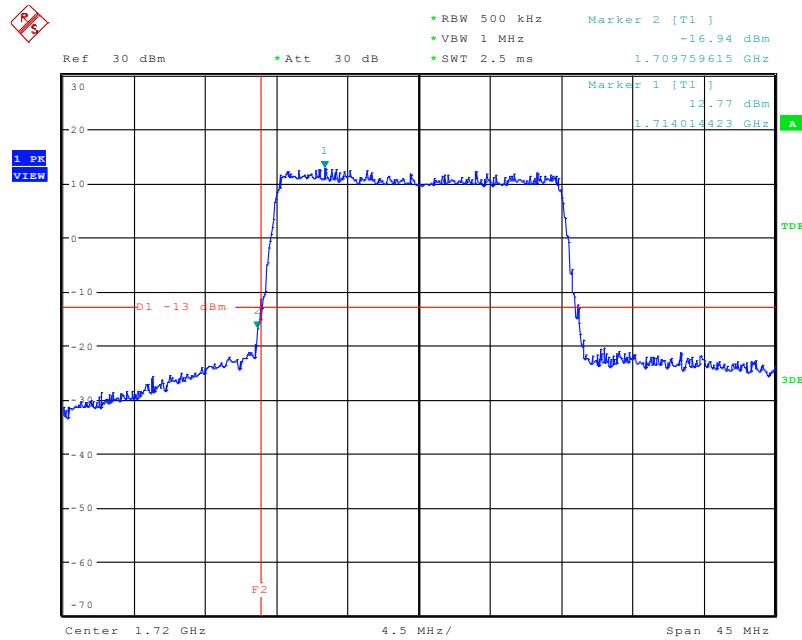
14:08

BAND4-1747.5MHz,Q16-75RB_LOW@Pass



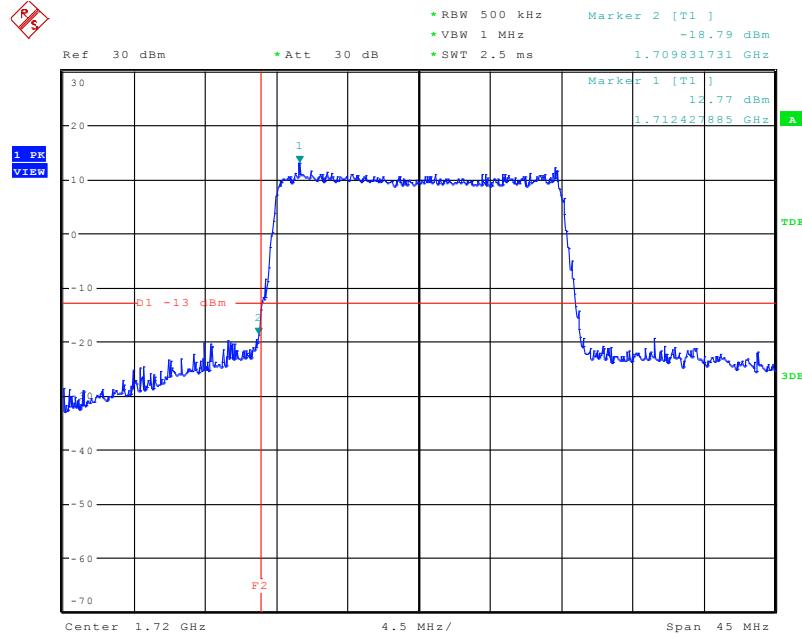
15:12

BAND4-1720MHz,QPSK-100RB_LOW@Pass



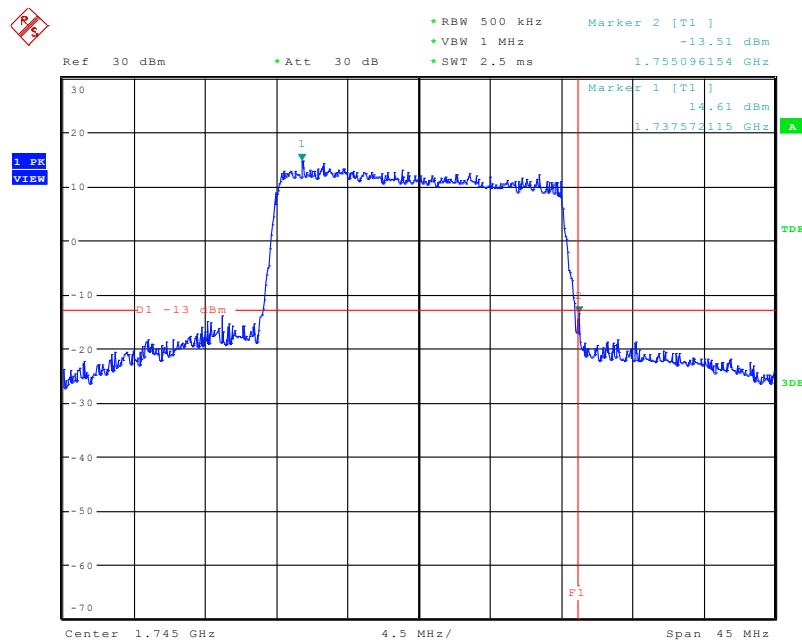
.4:46:48

BAND4-1720MHz,Q16-100RB_LOW@Pass



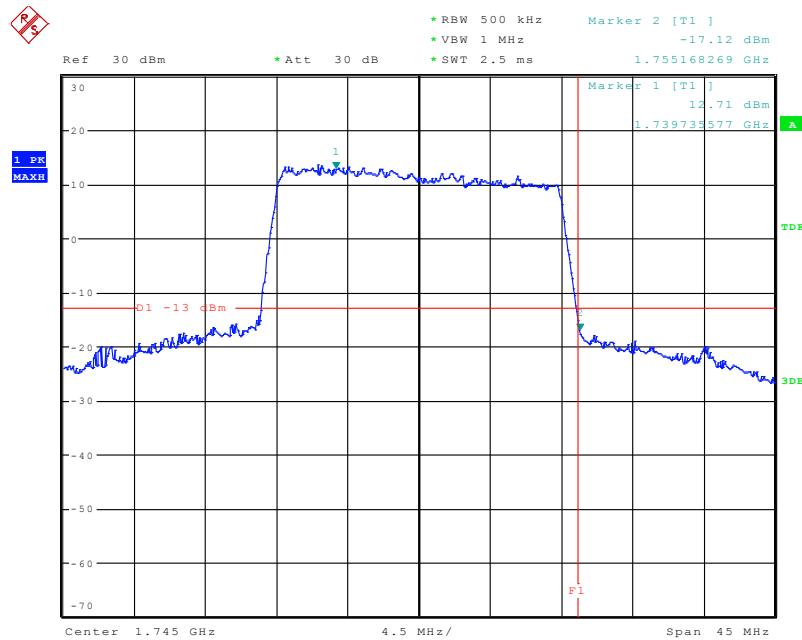
:52:53

BAND4-1745MHz,QPSK-100RB_LOW@Pass



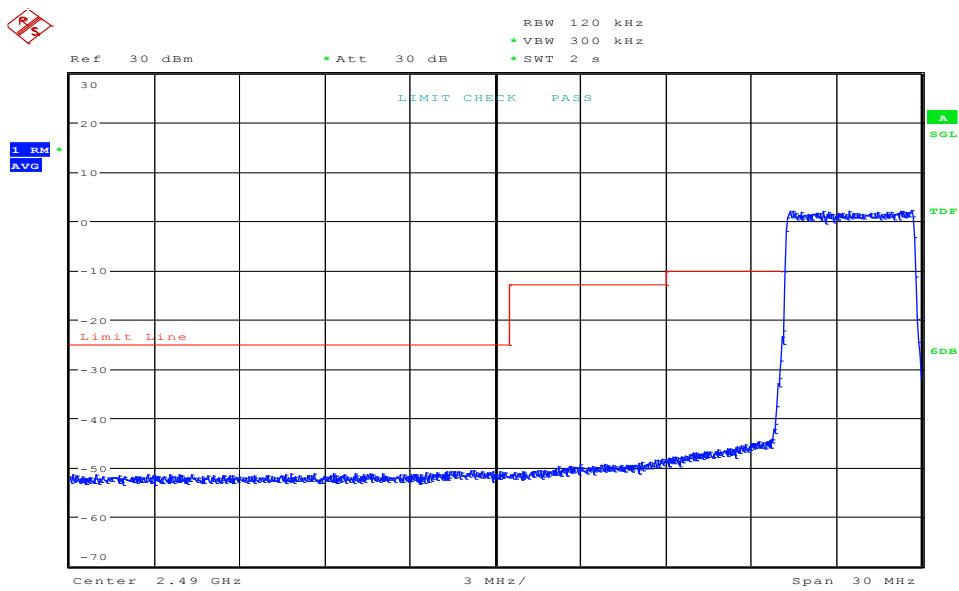
:32

BAND4-1745MHz,Q16-100RB_LOW@Pass

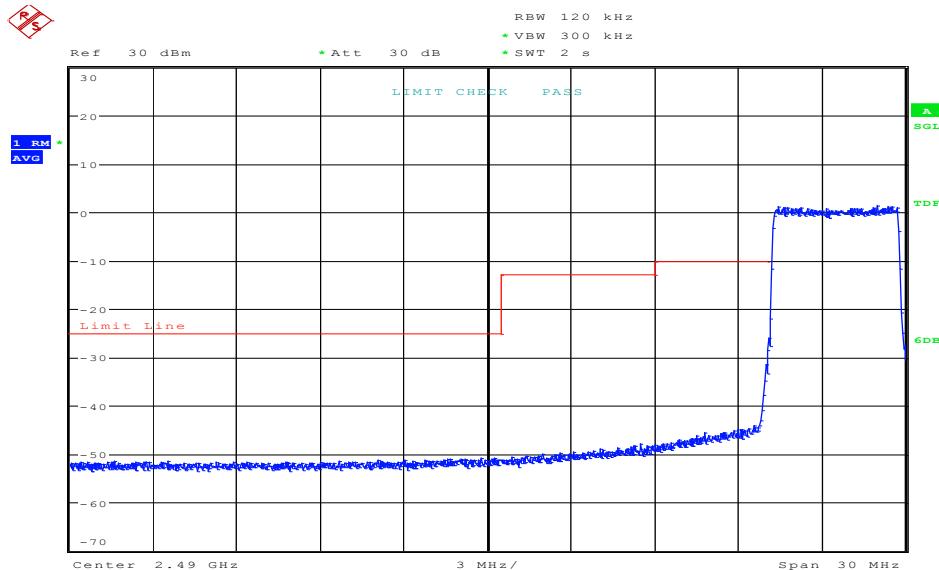


BAND 7@Emission Mask

BW5MHz-2502.5MHz,QPSK-25RB_LOW@Pass



BW5MHz-2502.5MHz,Q16-25RB_LOW@Pass

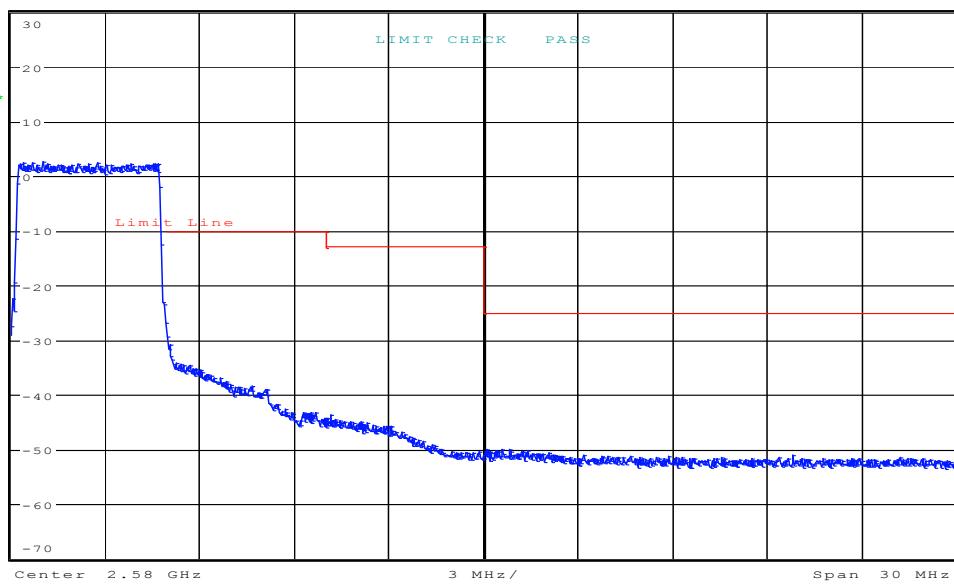


BW5MHz-2567.5MHz,QPSK-25RB_LOW@Pass

REF

Ref 30 dBm

* Att 30 dB

RBW 120 kHz
* VBW 300 kHz
* SWT 2 s1 RM
AVGA
SGL

TDF

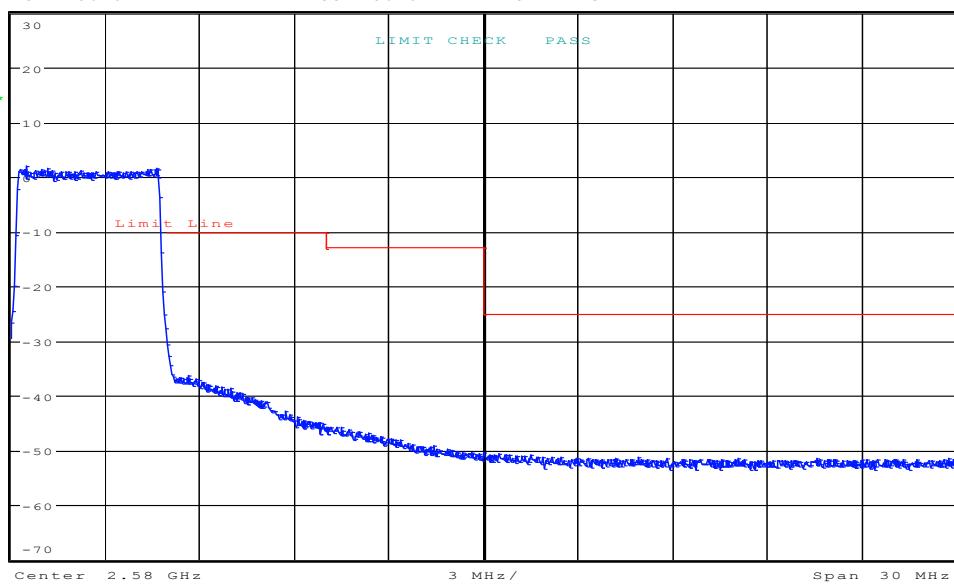
6dB

BW5MHz-2567.5MHz,Q16-25RB_LOW@Pass

REF

Ref 30 dBm

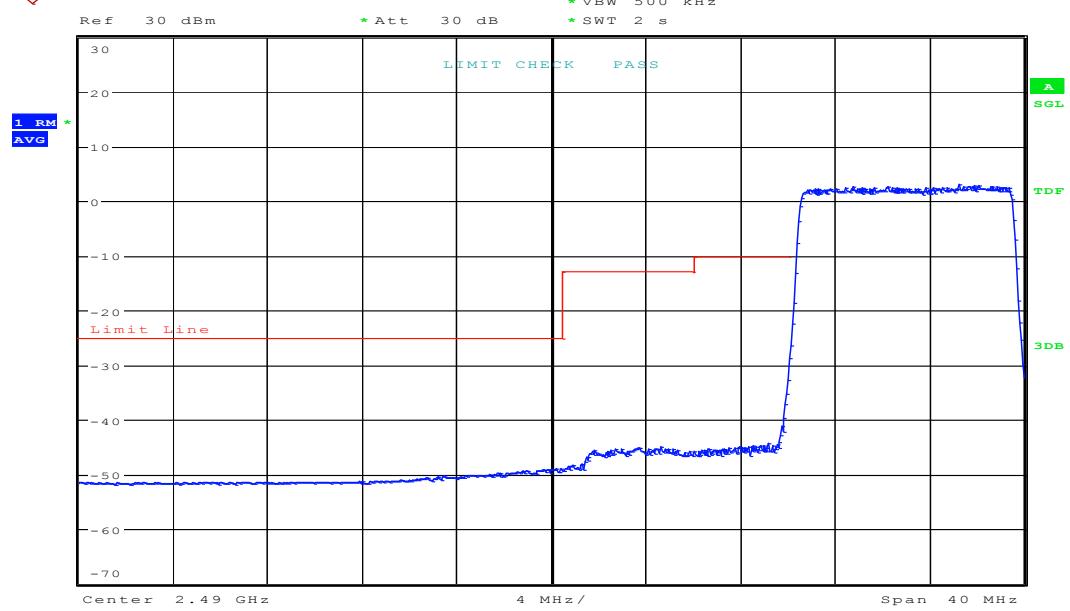
* Att 30 dB

RBW 120 kHz
* VBW 300 kHz
* SWT 2 s1 RM
AVGA
SGL

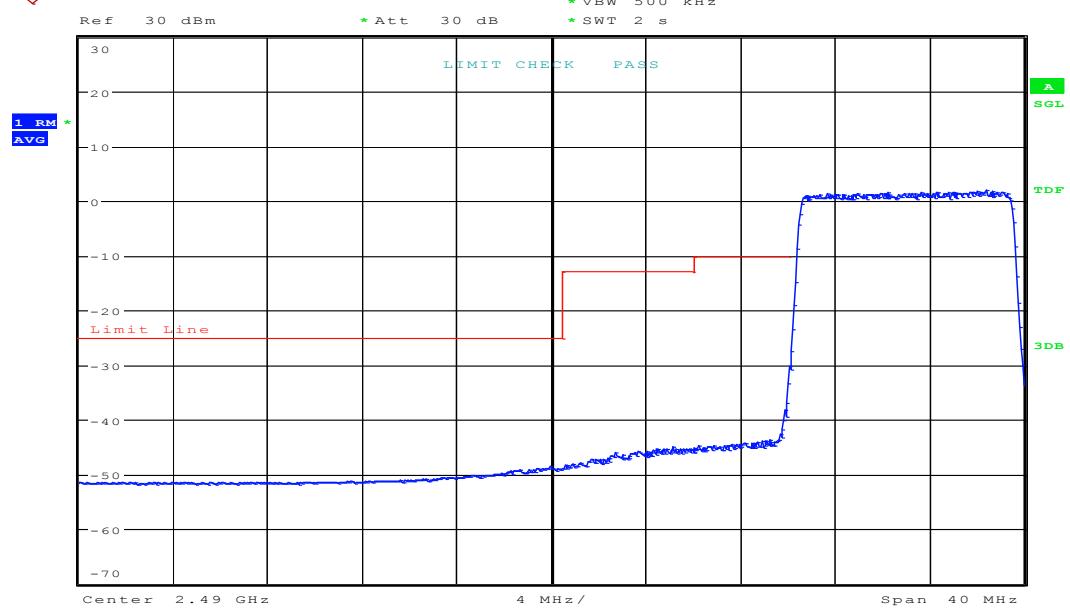
TDF

6dB

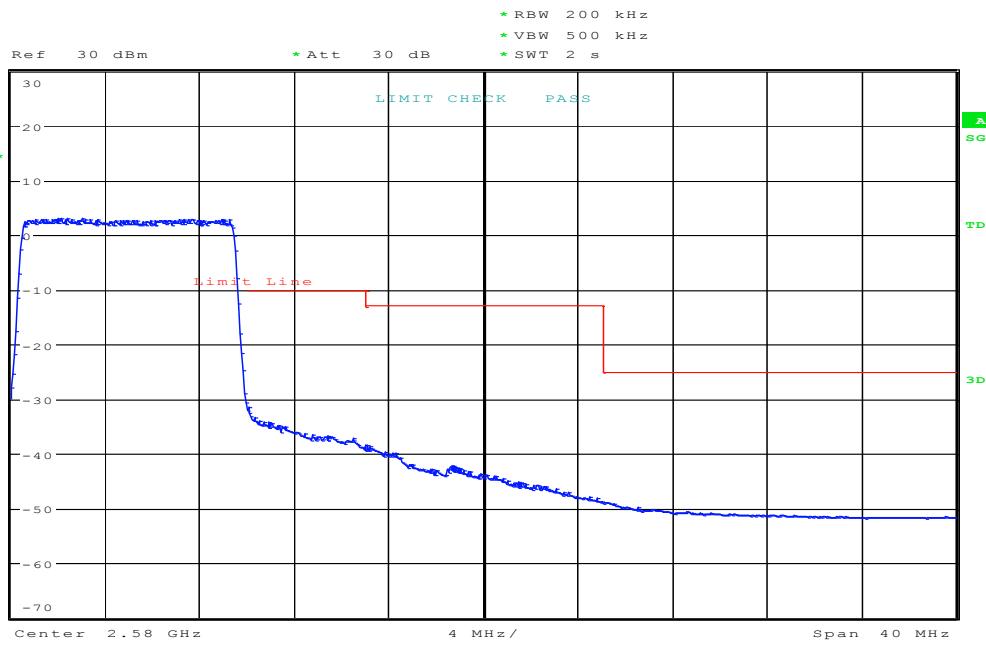
BW10MHz-2505MHz, QPSK-50RB_LOW@Pass

~~RF~~

BW10MHz-2505MHz, Q16-50RB_LOW@Pass

~~RF~~

BW10MHz-2565MHz, QPSK-50RB_LOW@Pass

~~RF~~1 RM
AVG

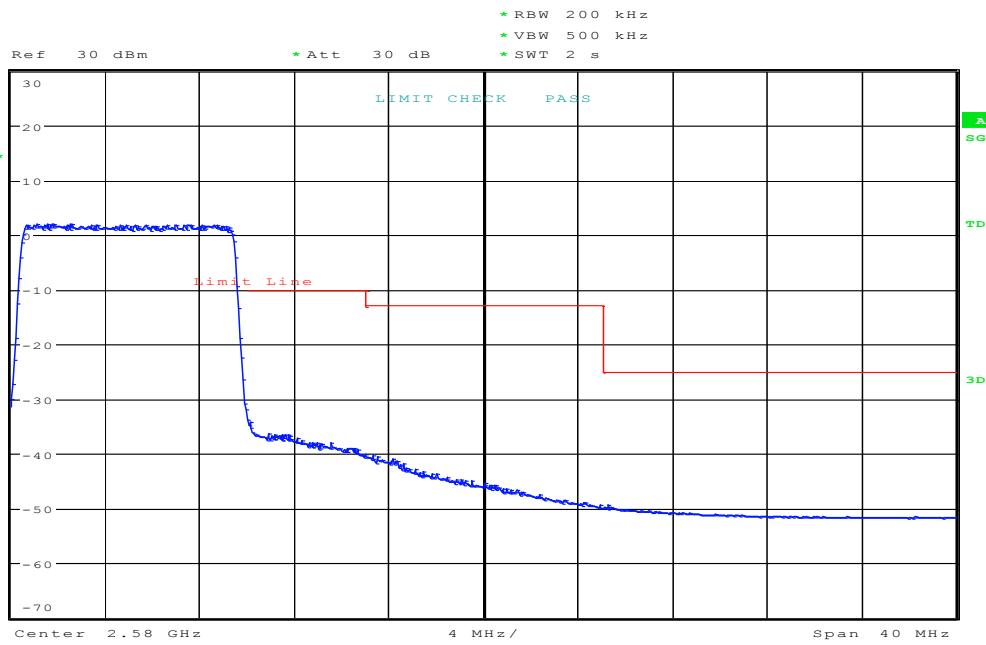
A

SGL

TDF

3dB

BW10MHz-2565MHz, Q16-50RB_LOW@Pass

~~RF~~1 RM
AVG

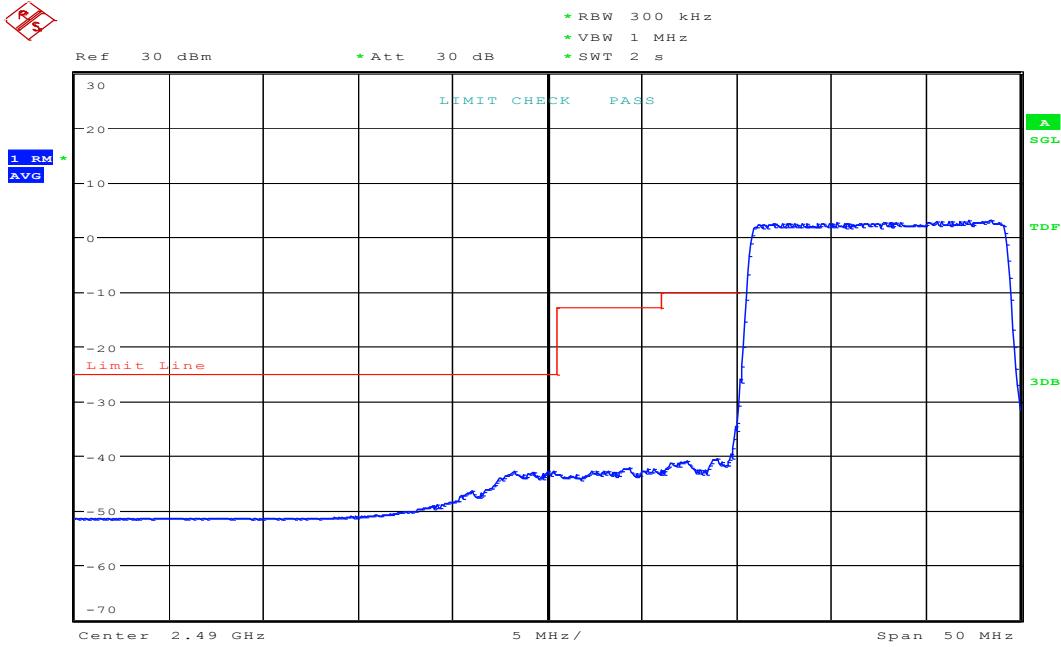
A

SGL

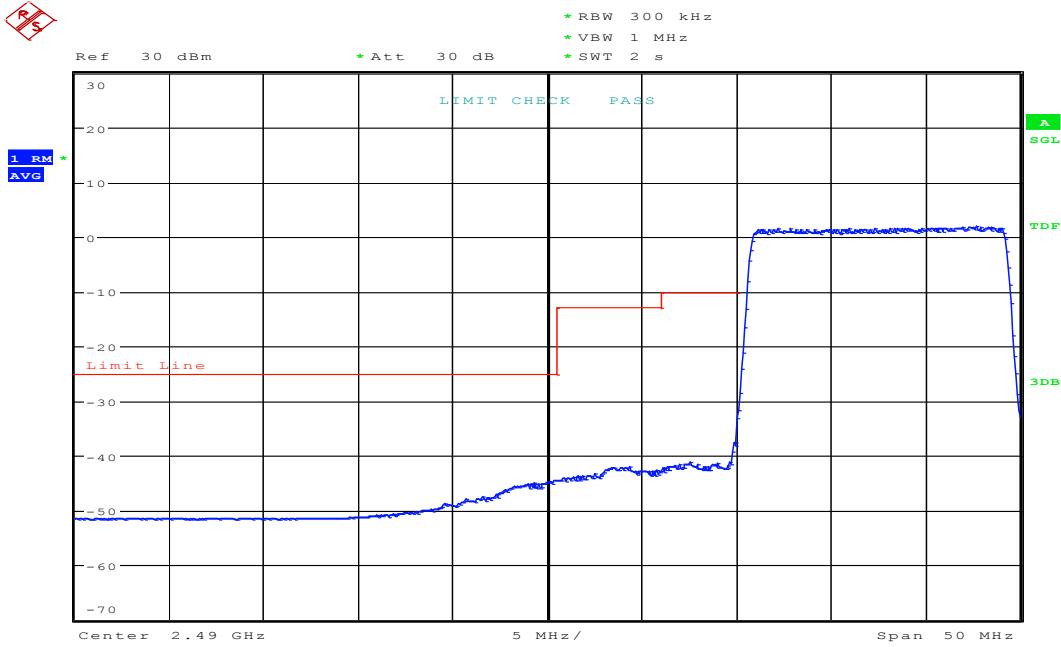
TDF

3dB

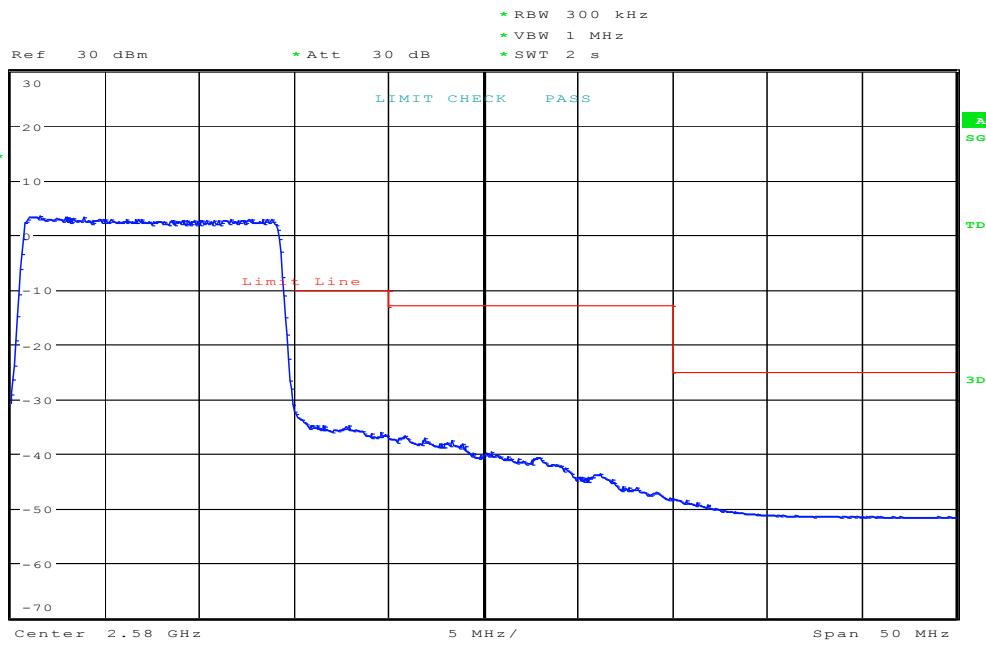
BW15MHz-2507.5MHz,QPSK-75RB_LOW@Pass

~~RF~~

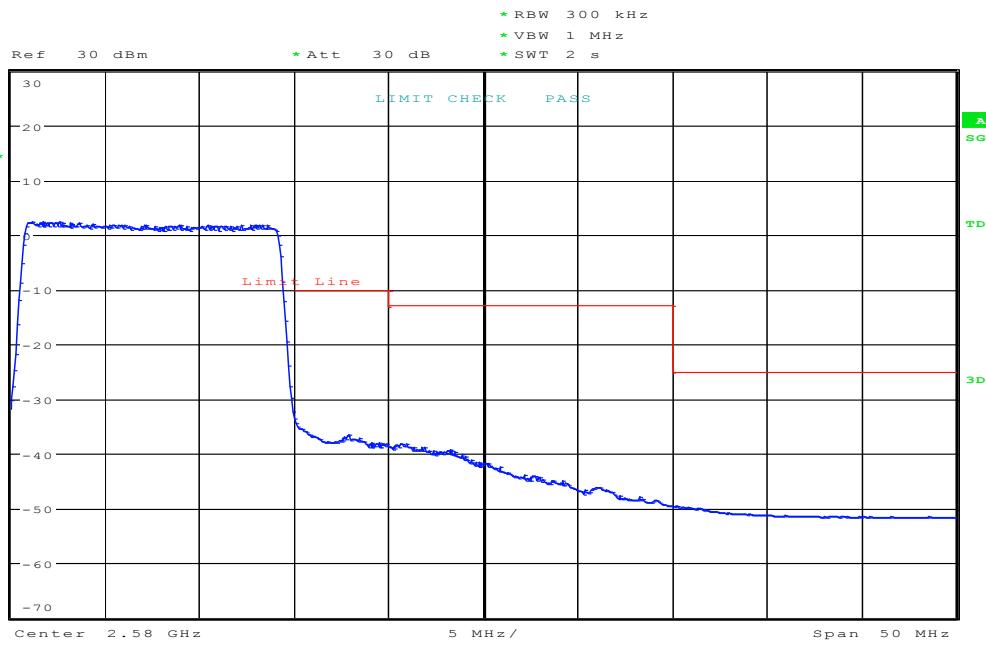
BW15MHz-2507.5MHz,Q16-75RB_LOW@Pass

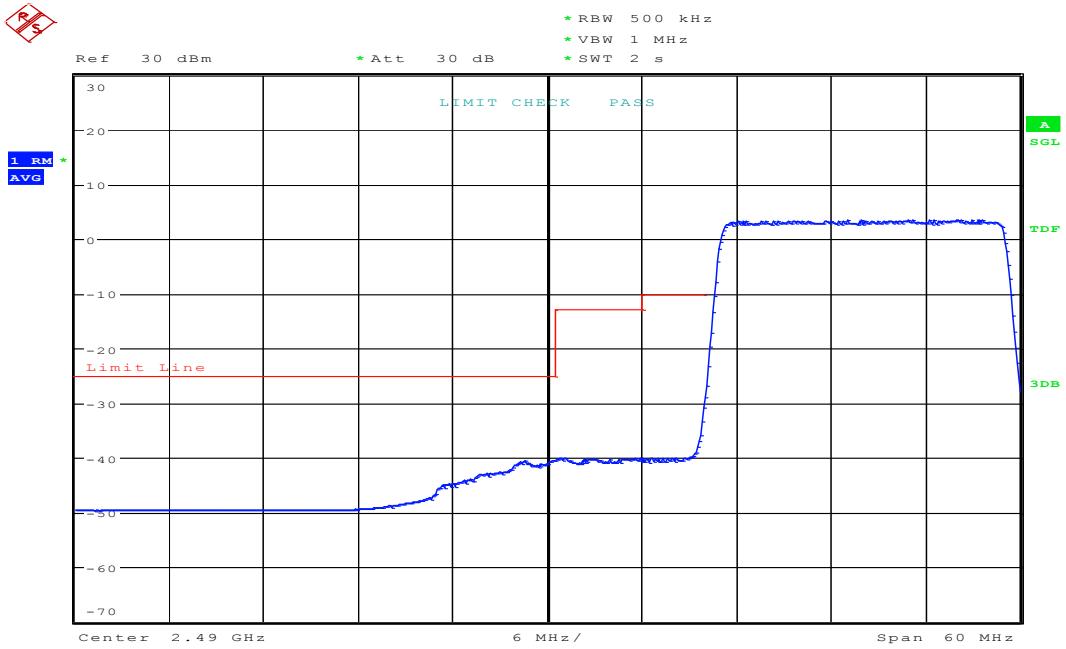
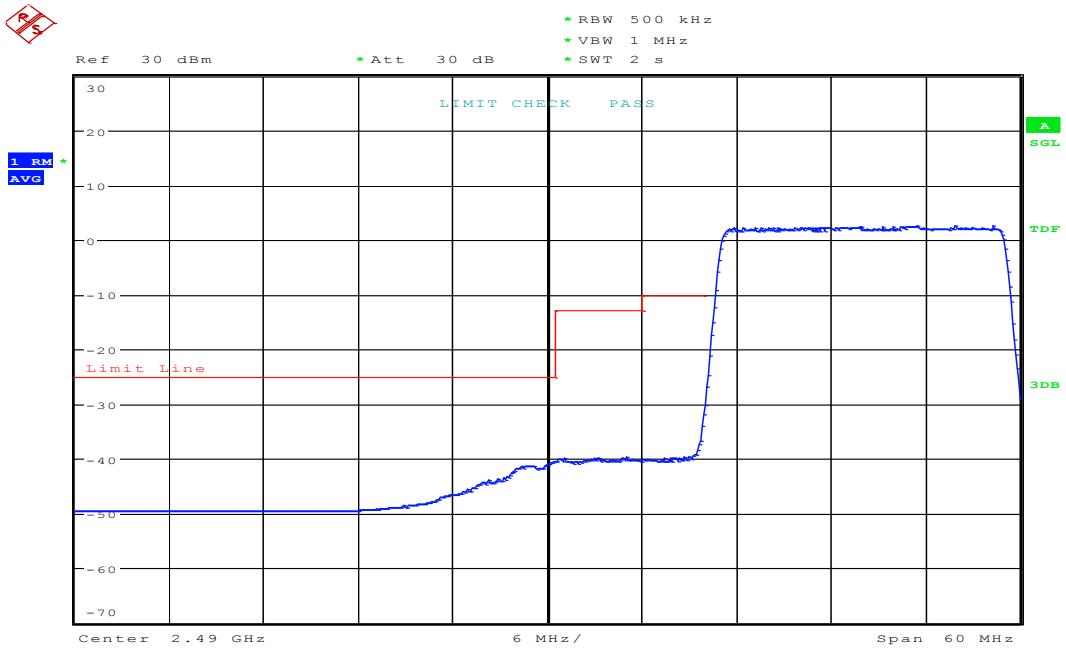
~~RF~~

BW15MHz-2562.5MHz,QPSK-75RB_LOW@Pass

~~RF~~1 RM
AVG

BW15MHz-2562.5MHz,Q16-75RB_LOW@Pass

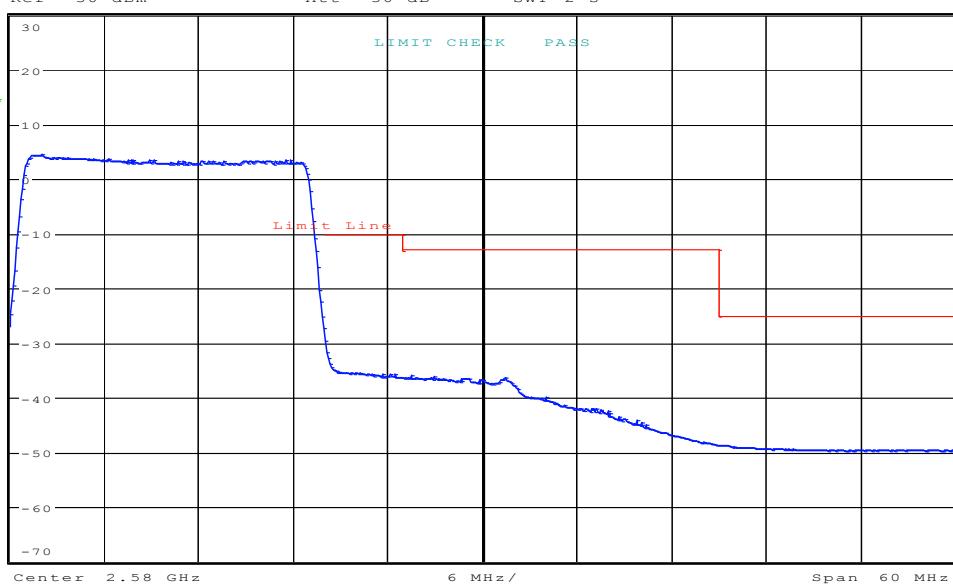
~~RF~~1 RM
AVG

BW20MHz-2510MHz,QPSK-100RB_LOW@Pass**FS****BW20MHz-2510MHz,Q16-100RB_LOW@Pass****FS**

BW20MHz-2560MHz, QPSK-100RB_LOW@Pass

~~RF~~1 RM
AVG

Ref 30 dBm * Att 30 dB * SWT 2 s

* RBW 500 kHz
* VBW 1 MHzA
SGL

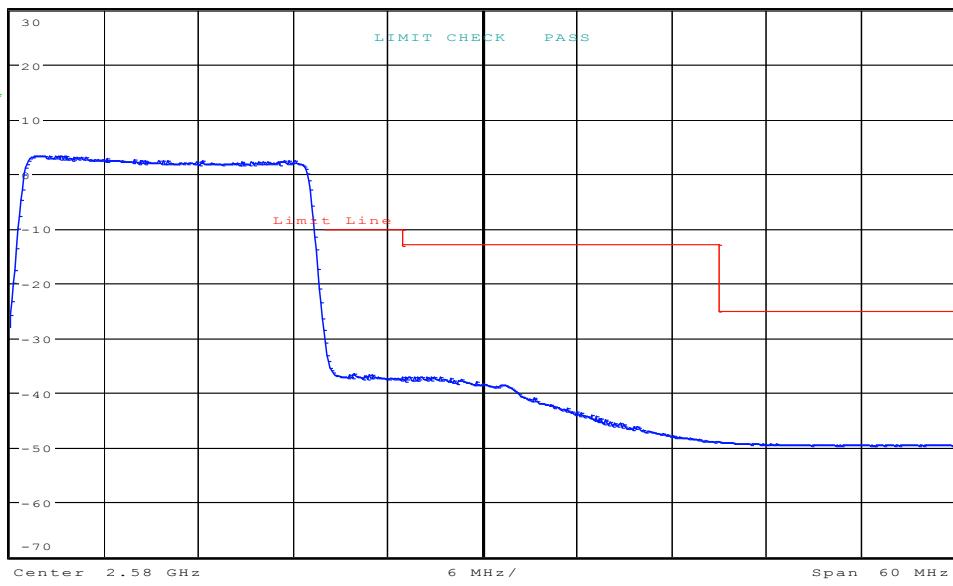
TDF

3dB

BW20MHz-2560MHz, Q16-100RB_LOW@Pass

~~RF~~1 RM
AVG

Ref 30 dBm * Att 30 dB * SWT 2 s

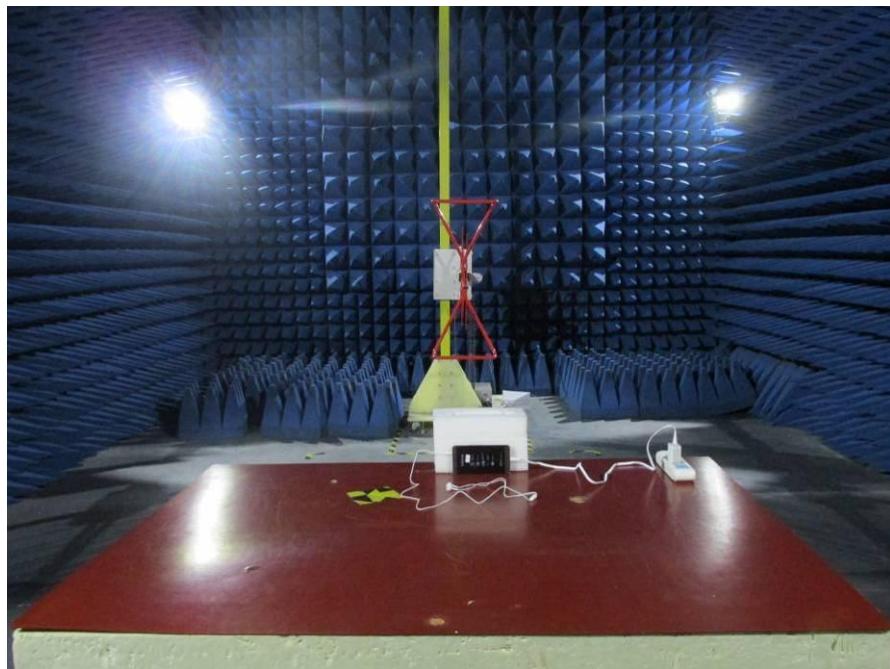
* RBW 500 kHz
* VBW 1 MHzA
SGL

TDF

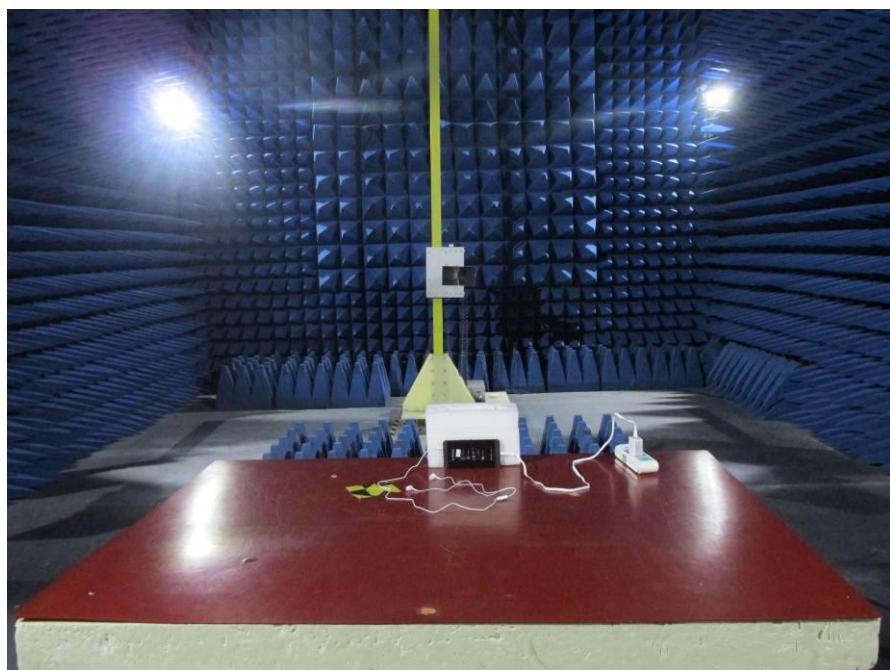
3dB

2 EUT TEST PHOTO

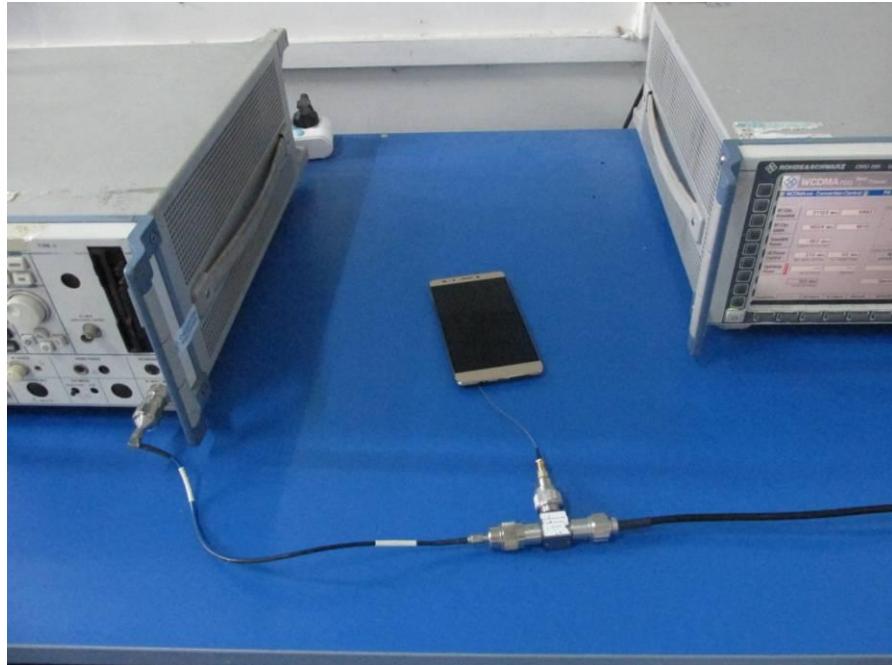
RADIATED EMISSION TEST



RADIATED EMISSION TEST



RF TEST

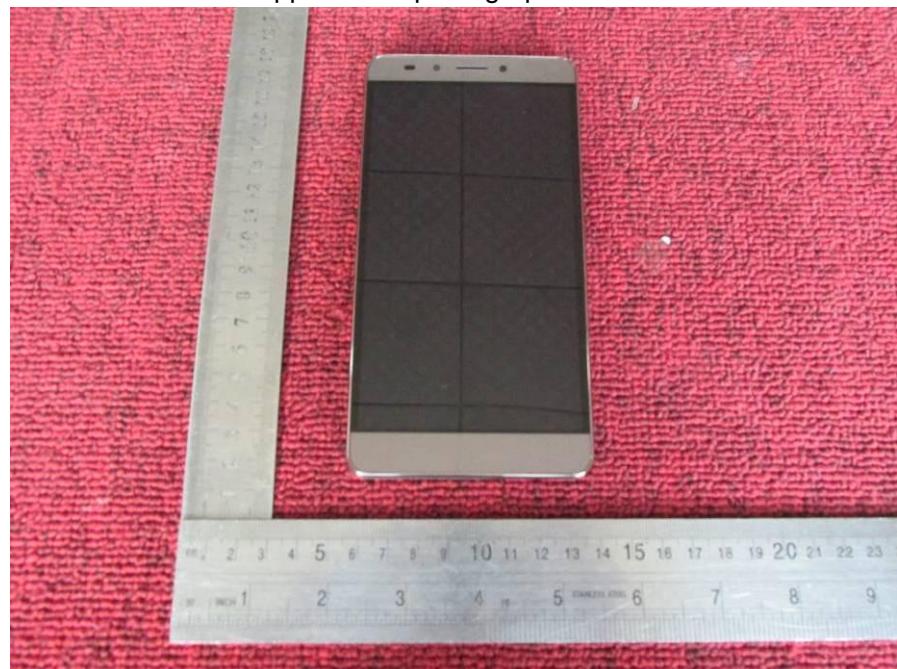


3 EUT PHOTO

Appearance photograph of EUT



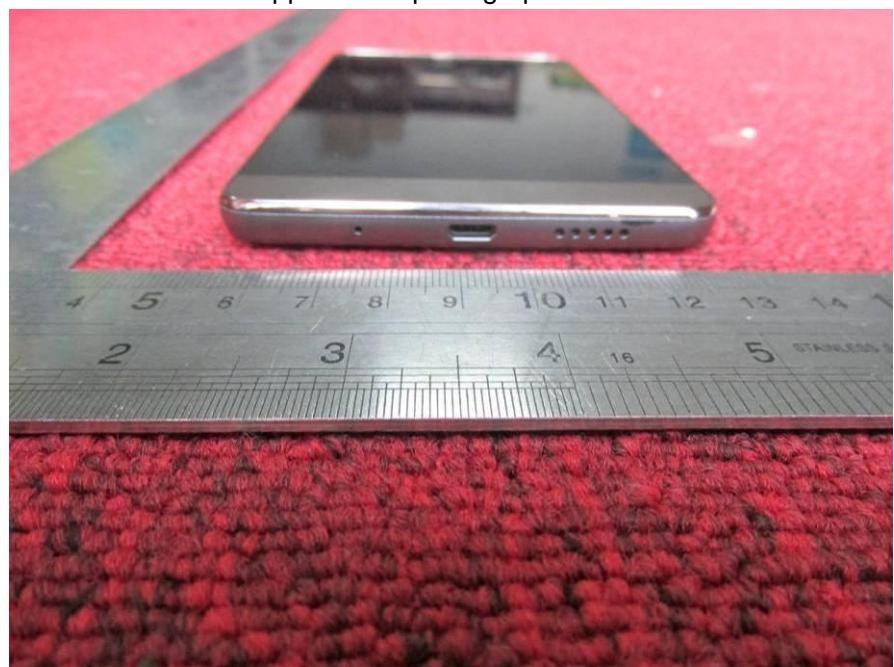
Appearance photograph of EUT



Appearance photograph of EUT



Appearance photograph of EUT



Appearance photograph of EUT



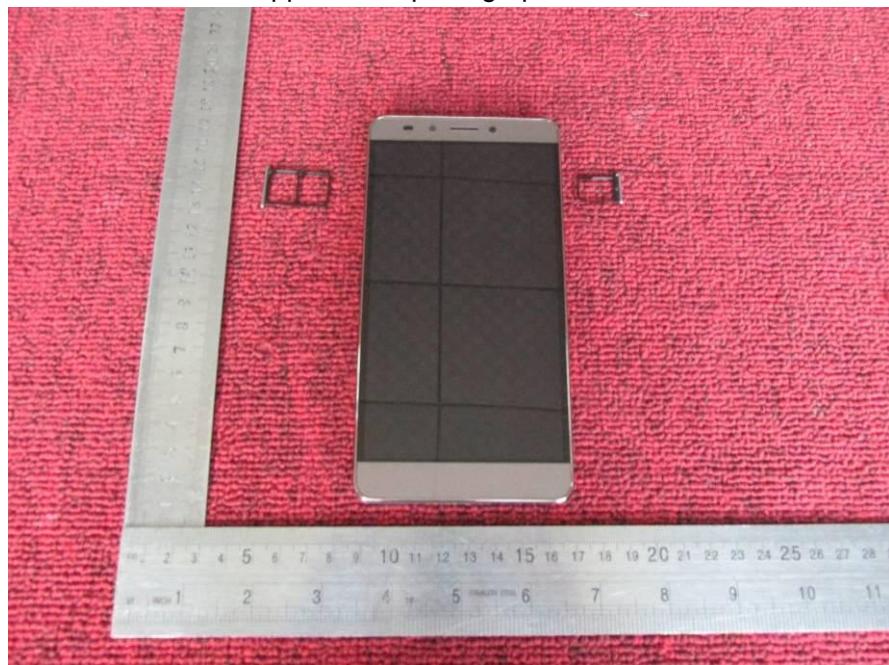
Appearance photograph of EUT



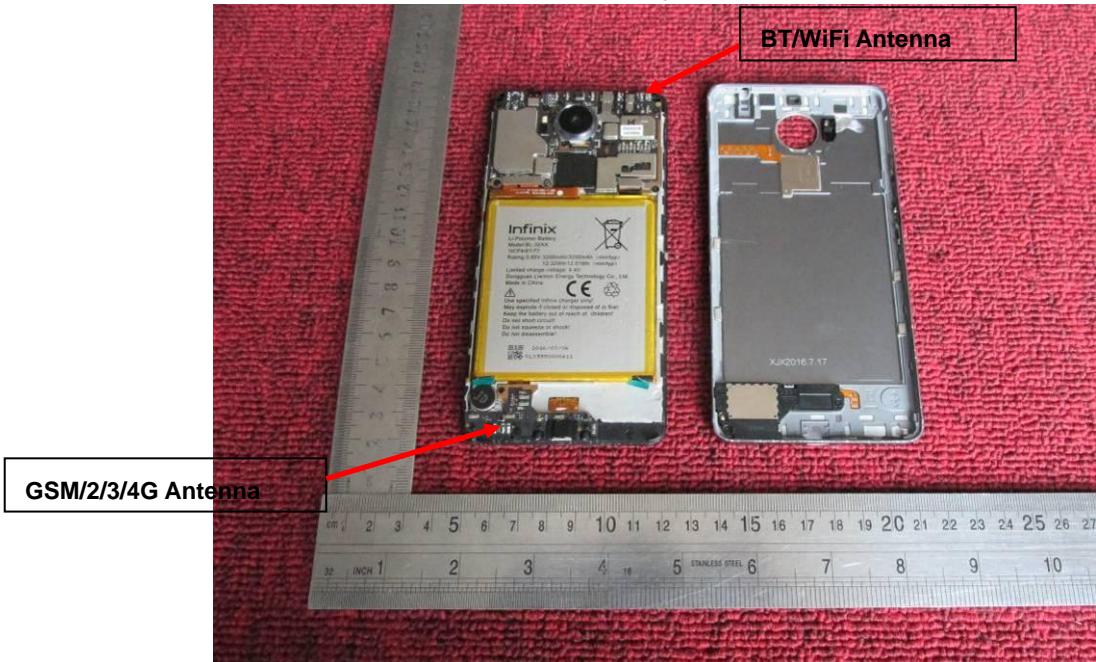
Appearance photograph of EUT



Appearance photograph of EUT



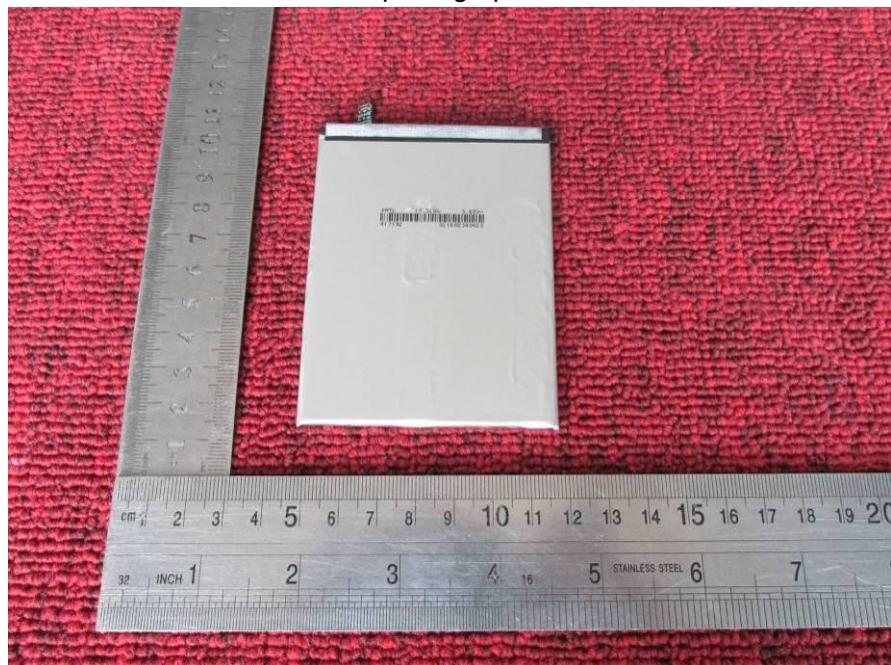
Internal photograph of EUT



Internal photograph of EUT



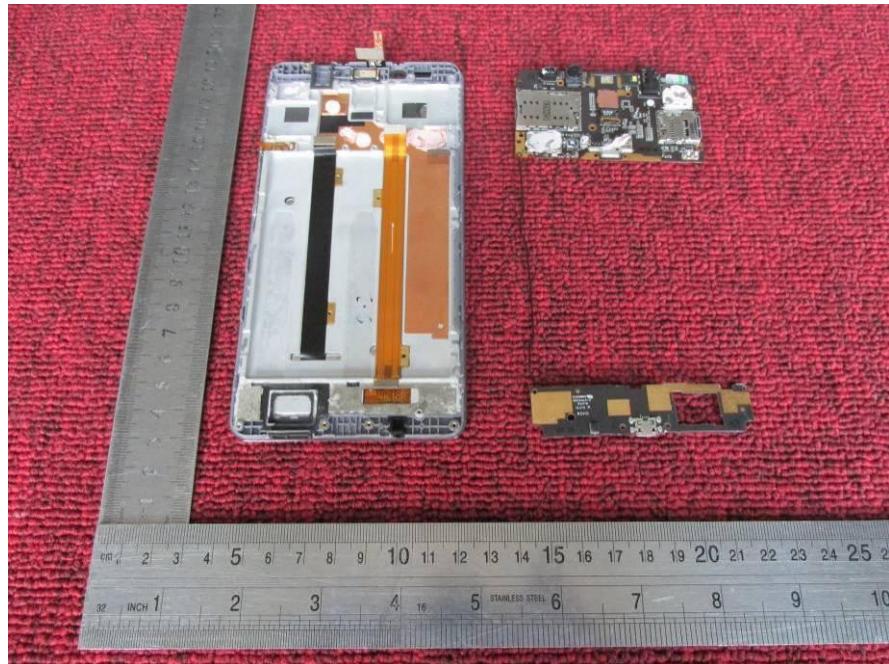
Internal photograph of EUT



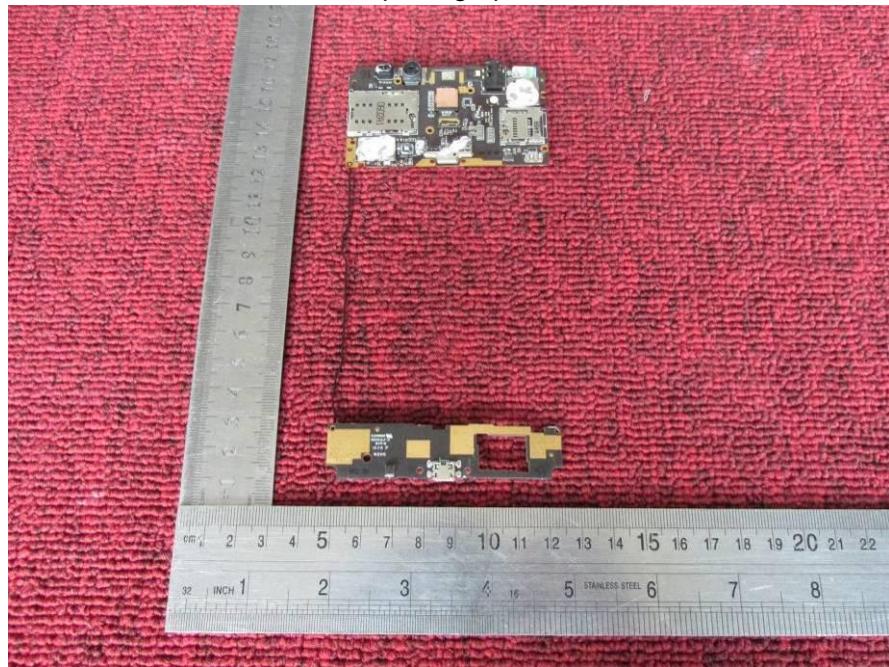
Internal photograph of EUT



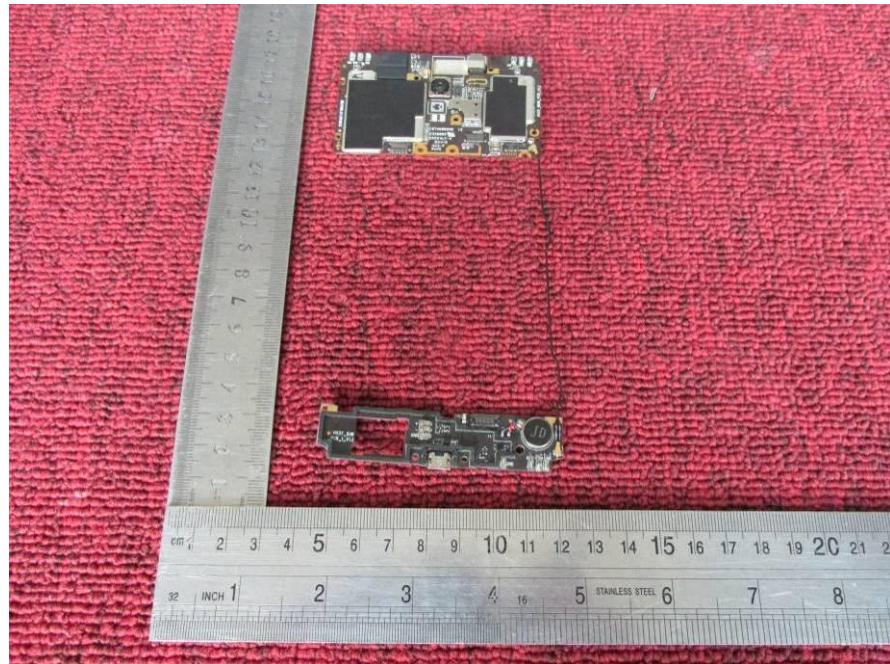
Internal photograph of EUT



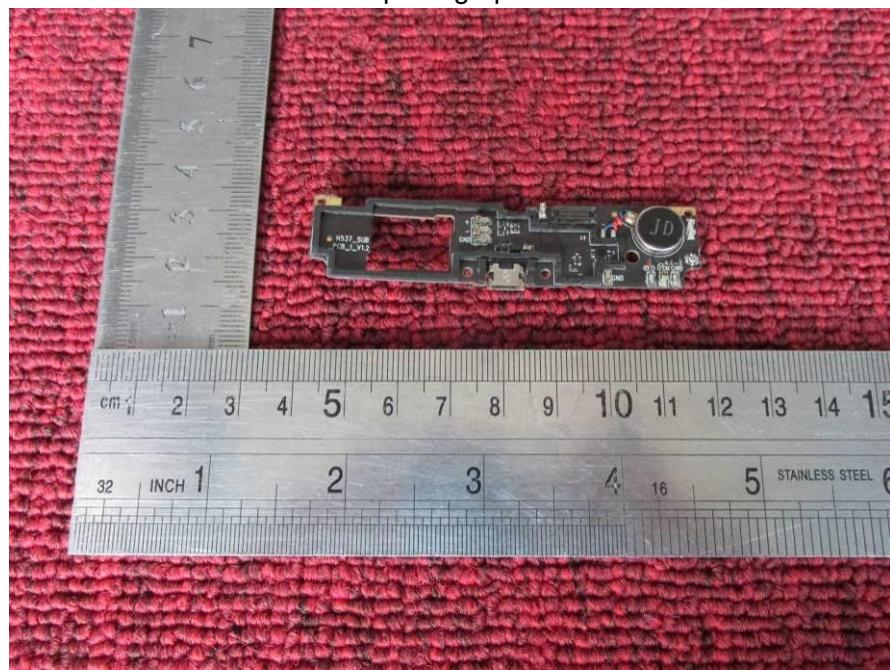
Internal photograph of EUT



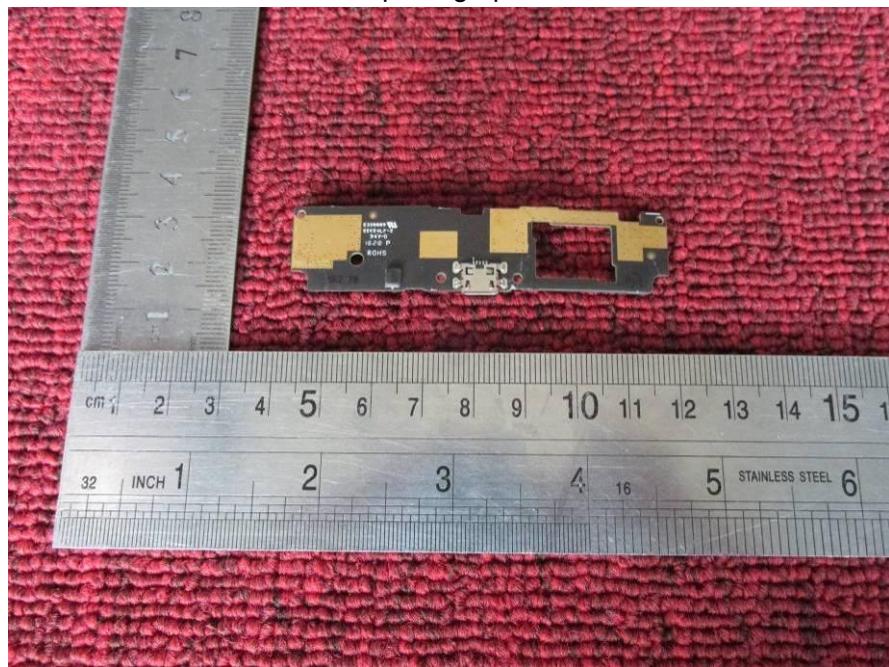
Internal photograph of EUT



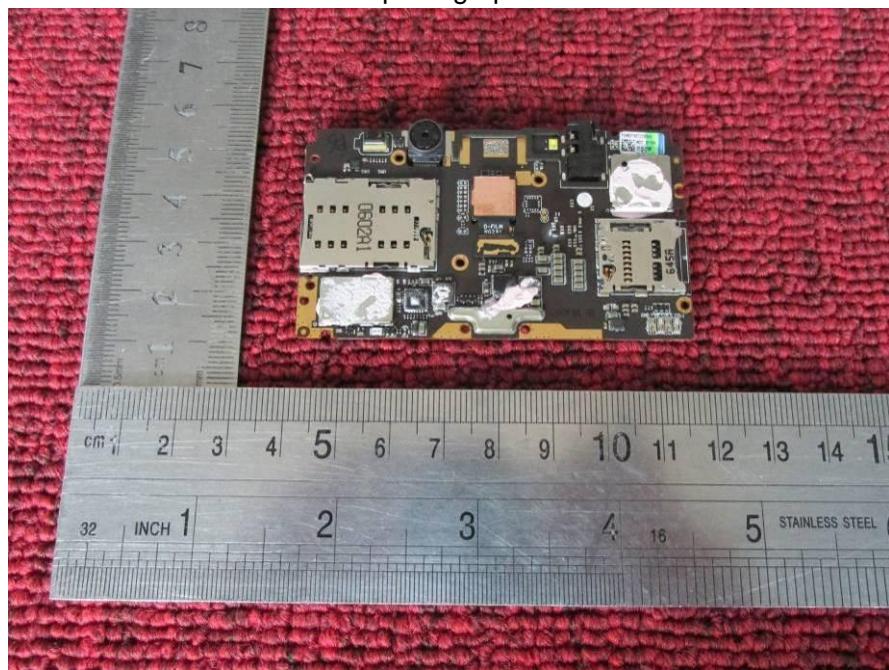
Internal photograph of EUT



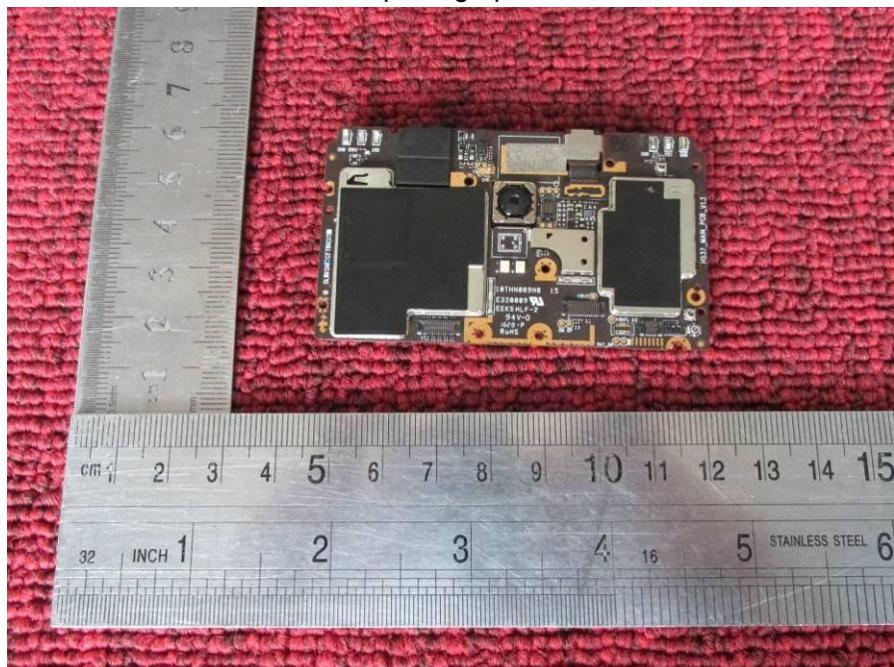
Internal photograph of EUT



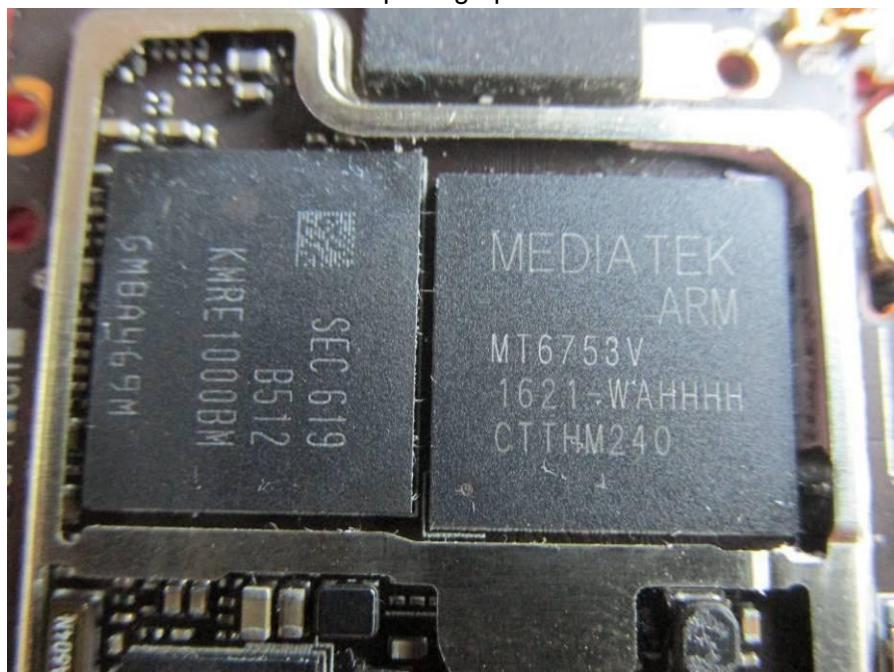
Internal photograph of EUT



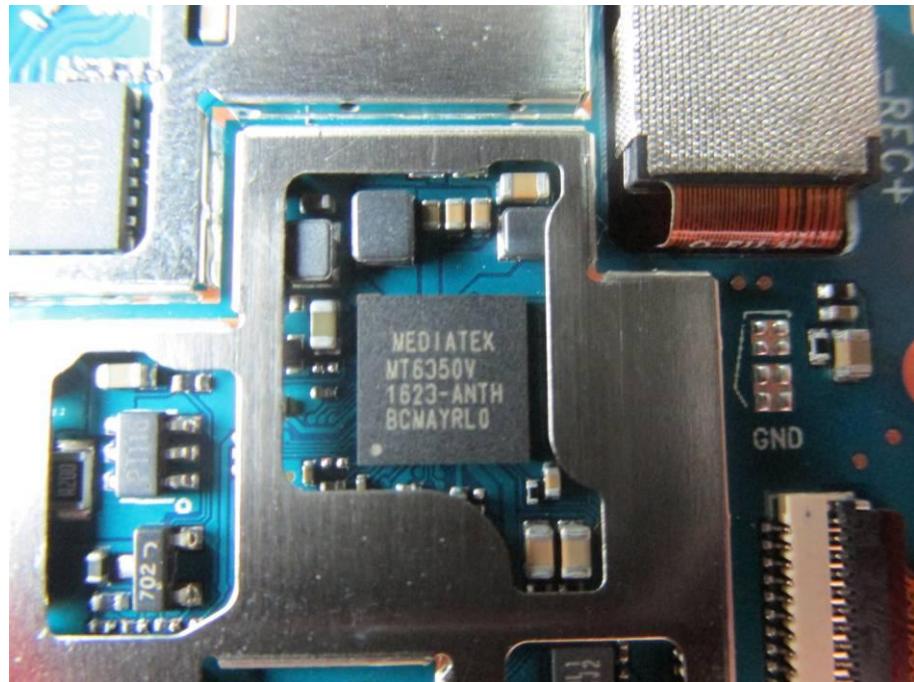
Internal photograph of EUT



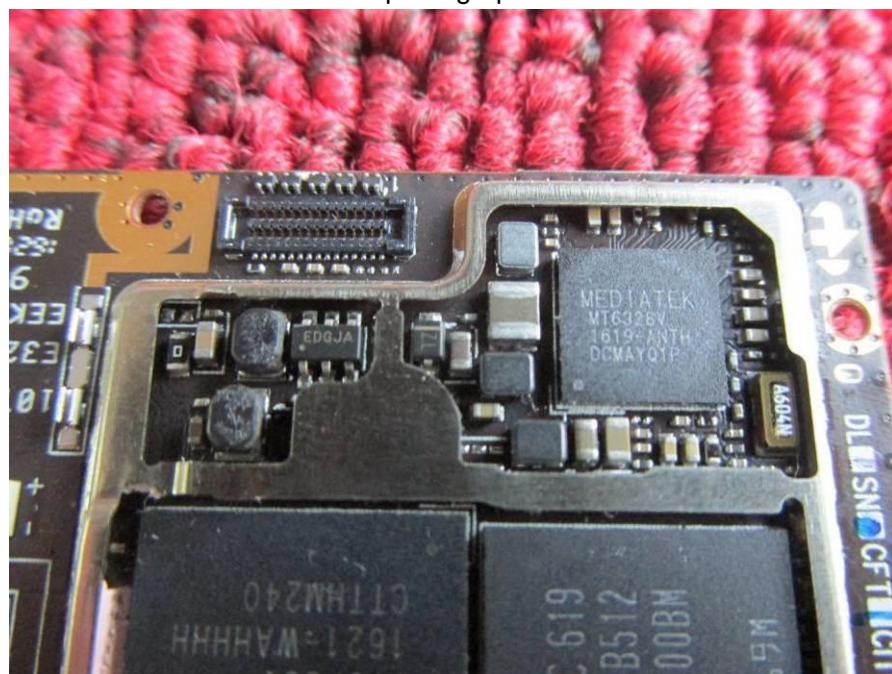
Internal photograph of EUT



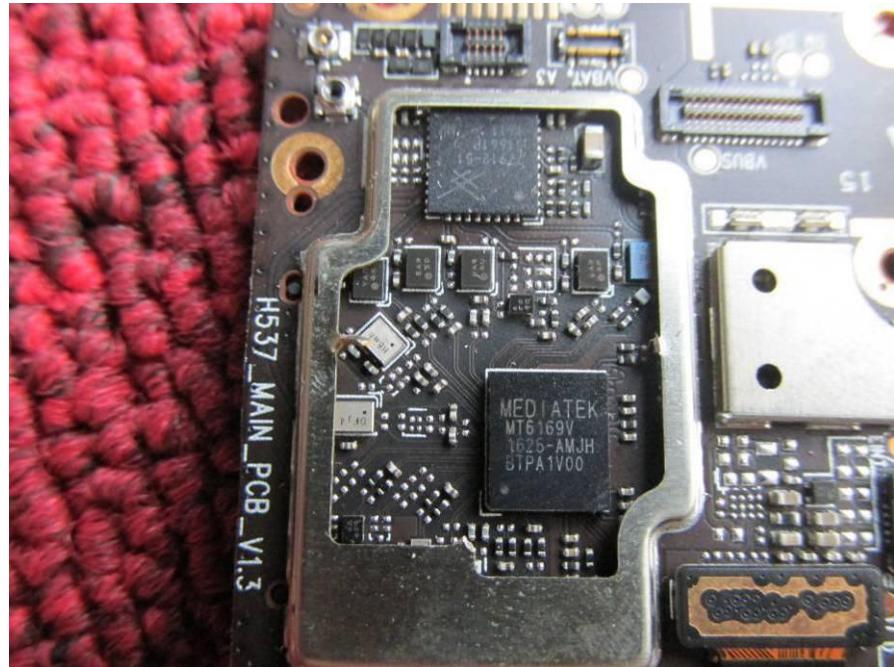
Internal photograph of EUT



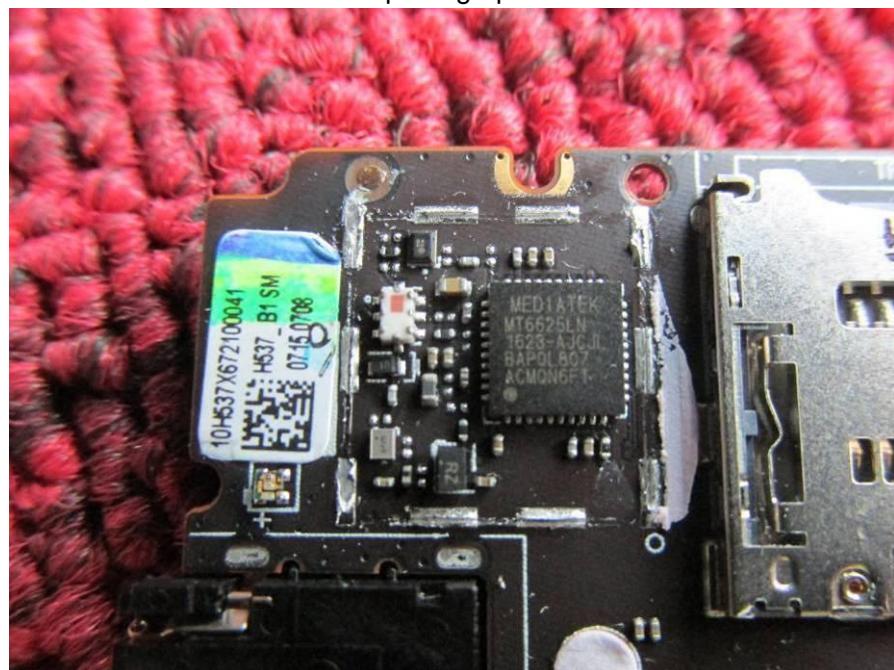
Internal photograph of EUT



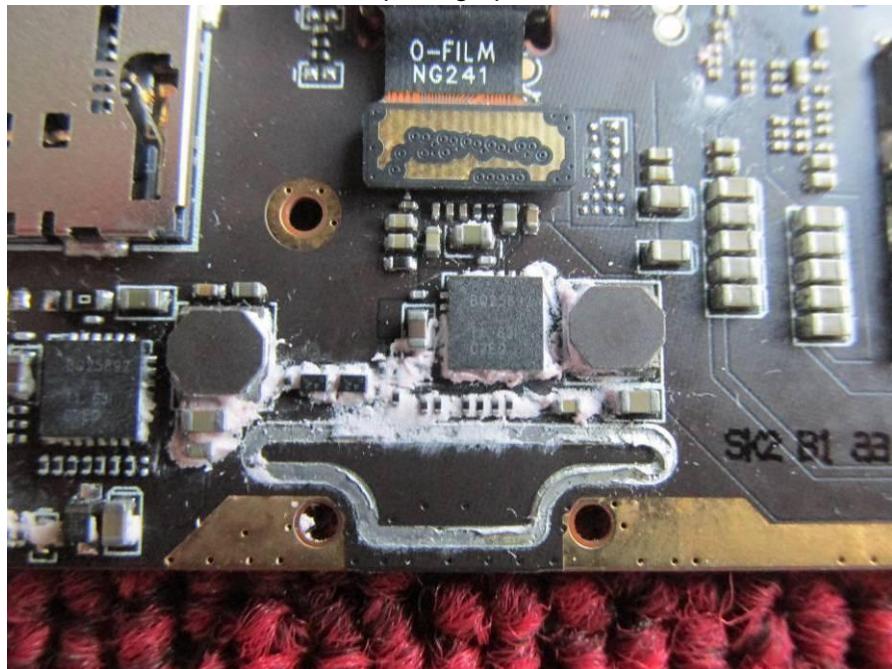
Internal photograph of EUT



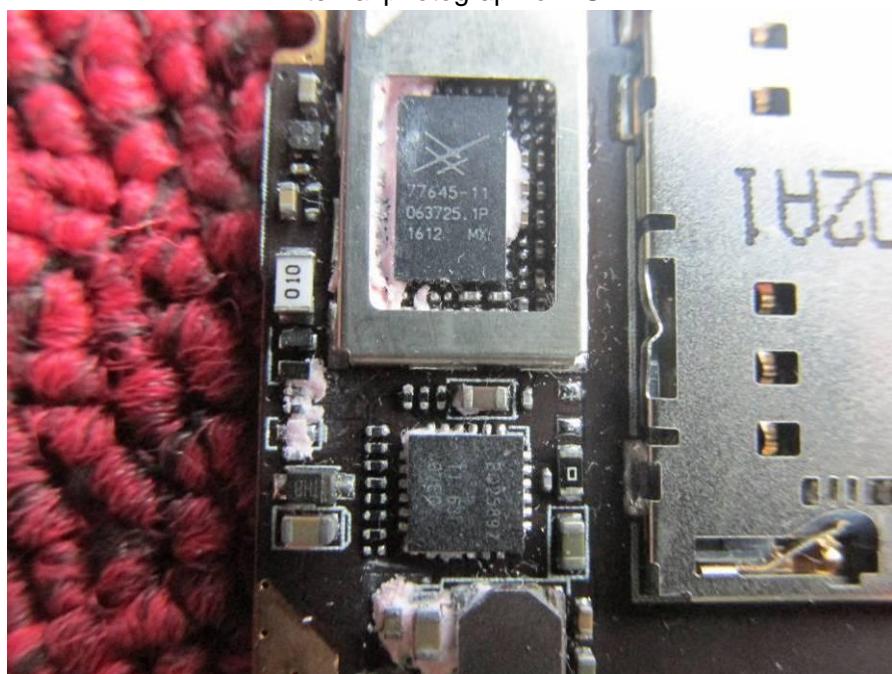
Internal photograph of EUT



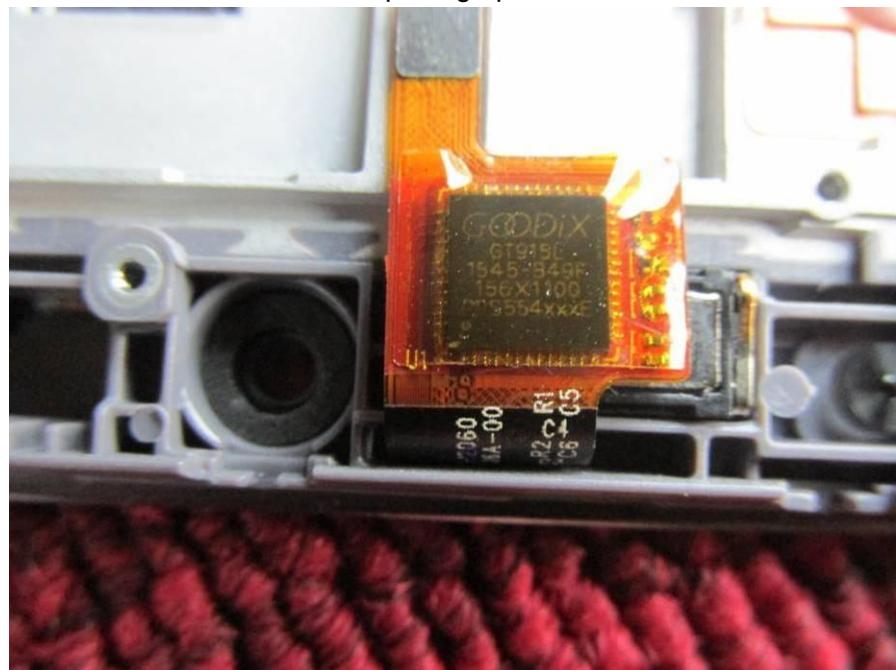
Internal photograph of EUT



Internal photograph of EUT



Internal photograph of EUT



---END OF REPORT---