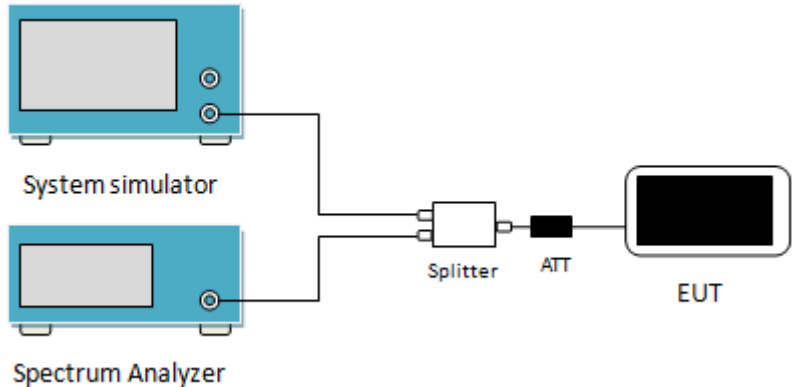
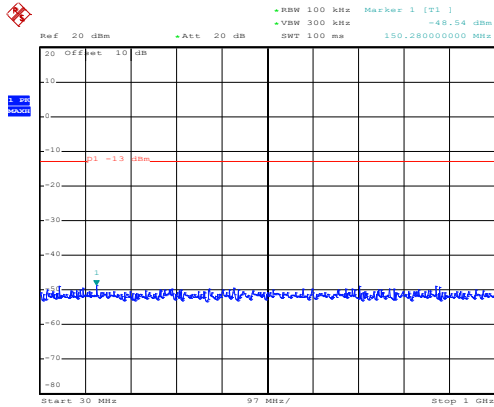


## 6.4 Out of band emission at antenna terminals

Test Requirement:	Part 24.238 (a), part 27.53(g), part 27.53(h)
Test Method:	ANSI/TIA-603-D 2010
Limit:	<p>LTE Band 2 &amp; 4 &amp; 12 &amp; 17: The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least <math>43 + 10 \log_{10}(P)</math> dB (-13 dBm).</p> <p>LTE Band 7: For mobile digital stations, the attenuation factor shall be not less than <math>40 + 10 \log(P)</math> dB on all frequencies between the channel edge and 5 megahertz from the channel edge, <math>43 + 10 \log(P)</math> dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and <math>55 + 10 \log(P)</math> dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than <math>43 + 10 \log(P)</math> dB on all frequencies between 2490.5 MHz and 2496 MHz and <math>55 + 10 \log(P)</math> dB at or below 2490.5 MHz.</p>
Test Setup:	
Test Procedure:	<ol style="list-style-type: none"> <li>1 The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation.</li> <li>2 The resolution bandwidth of the spectrum analyzer was set at 100 kHz when below 1GHz, 1MHz when above 1 GHz; sufficient scans were taken to show the out of band Emissions if any up to 10th harmonic.</li> <li>3 For the out of band: Set the RBW=100 kHz, VBW=300 kHz when below 1 GHz, RBW =1 MHz, VBW=3 MHz when above 1 GHz, Start=30MHz, Stop= 10th harmonic.</li> <li>4 Band Edge Requirements: In the 1 MHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 1 percent of the emission bandwidth of the fundamental emission of the transmitter may be employed to measure the out of band Emissions.</li> </ol>
Test Instruments:	Refer to section 5.9 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

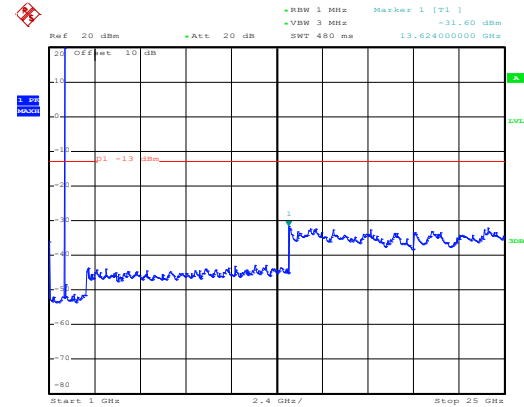
**Test plots as follows:**  
**Conducted spurious emission**  
**LTE band 2, 1.4MHz**

16 QAM & RB Size 1  
 Lowest channel



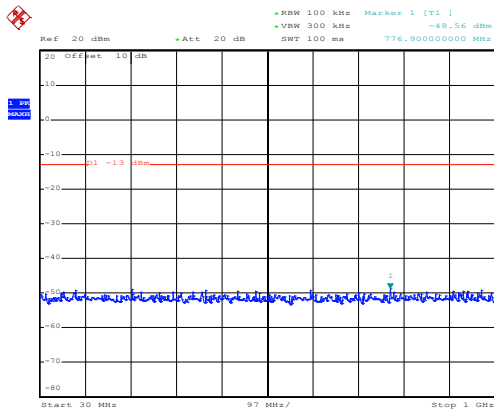
Date: 10.NOV.2017 07:32:55

30MHz~1GHz



Date: 10.NOV.2017 07:47:48

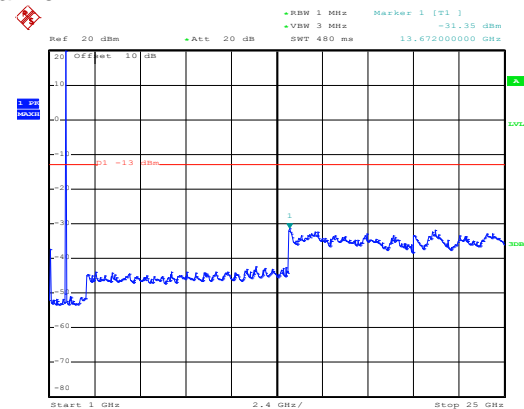
1GHz~25GHz



Date: 10.NOV.2017 07:34:11

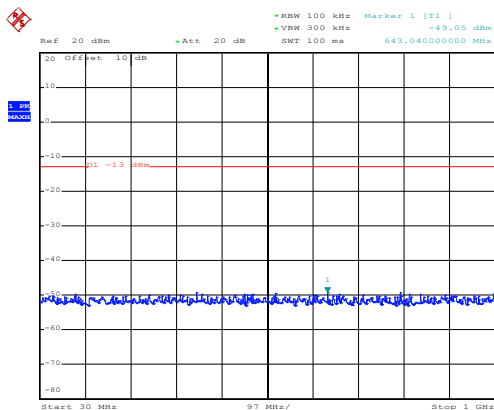
30MHz~1GHz

Middle channel



Date: 10.NOV.2017 07:48:30

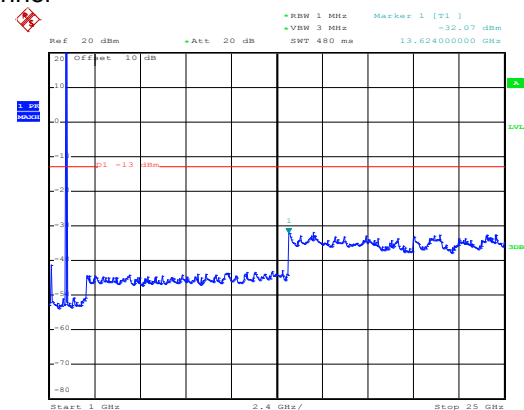
1GHz~25GHz



Date: 10.NOV.2017 07:34:25

30MHz~1GHz

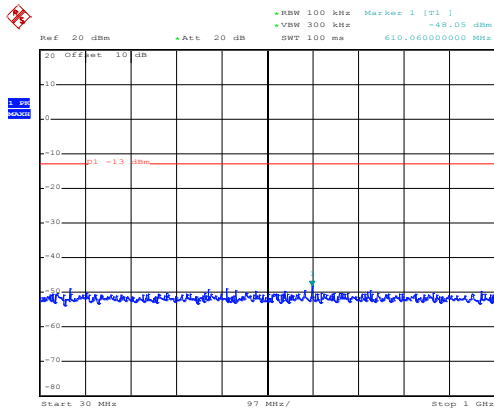
High channel



Date: 10.NOV.2017 07:51:07

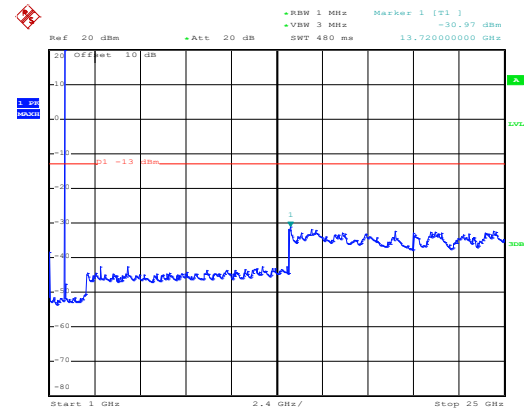
1GHz~25GHz

## 16 QAM & RB Size 3 Lowest channel



Date: 10.NOV.2017 07:33:11

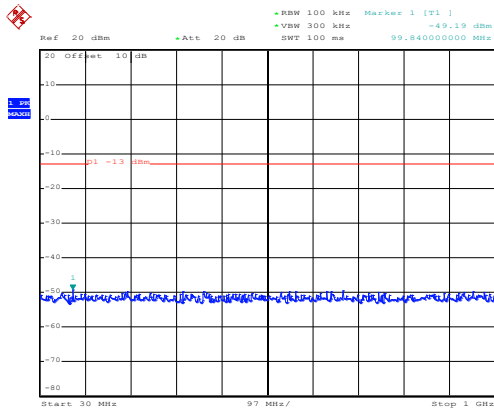
30MHz~1GHz



Date: 10.NOV.2017 07:46:23

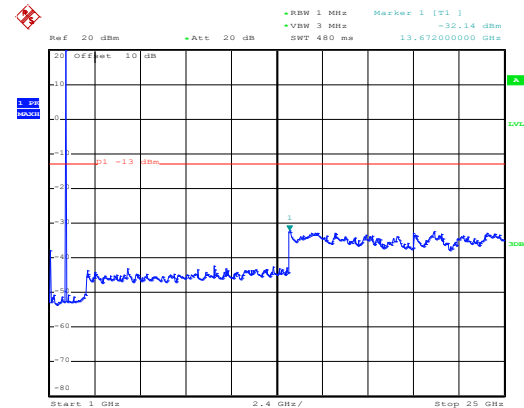
1GHz~25GHz

## Middle channel



Date: 10.NOV.2017 07:33:57

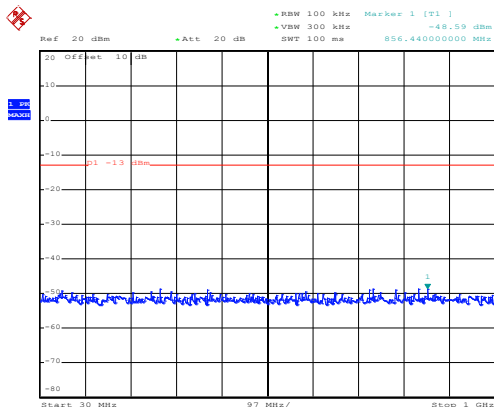
30MHz~1GHz



Date: 10.NOV.2017 07:49:54

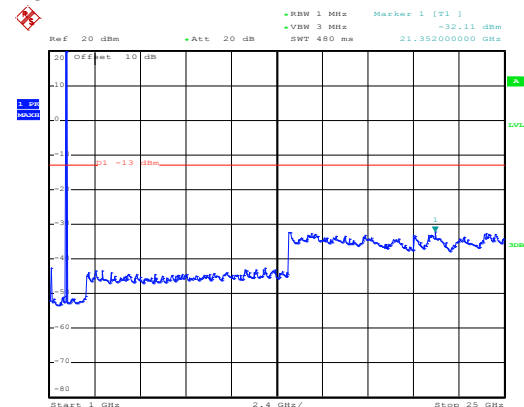
1GHz~25GHz

## High channel



Date: 10.NOV.2017 07:34:39

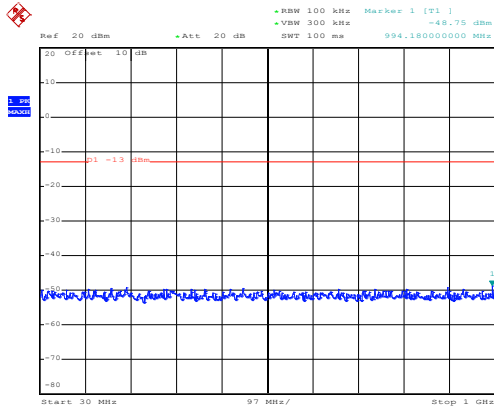
30MHz~1GHz



Date: 10.NOV.2017 07:51:42

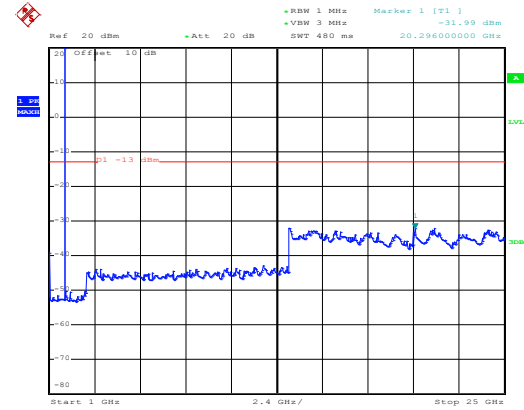
1GHz~25GHz

## 16 QAM & RB Size 6 Lowest channel



Date: 10.NOV.2017 07:33:25

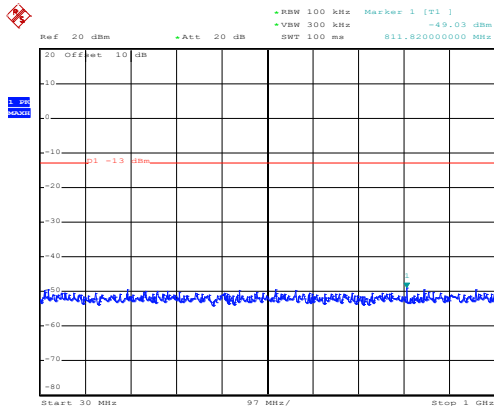
30MHz~1GHz



Date: 10.NOV.2017 07:47:18

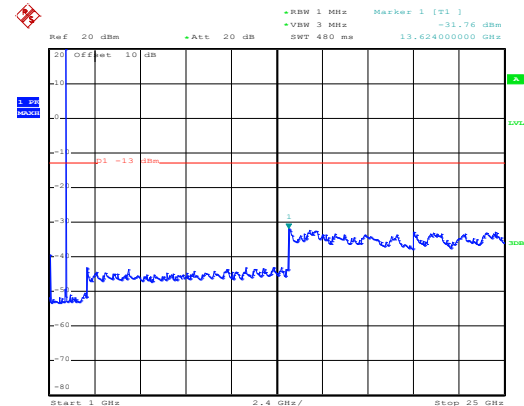
1GHz~25GHz

## Middle channel



Date: 10.NOV.2017 07:33:44

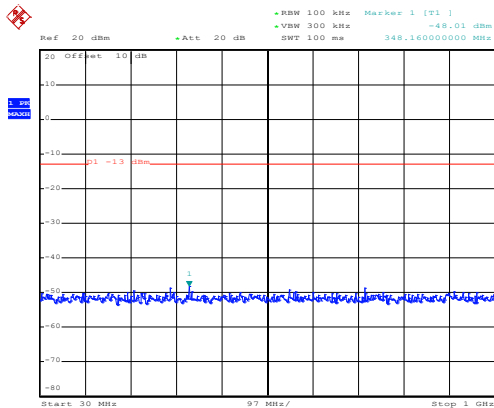
30MHz~1GHz



Date: 10.NOV.2017 07:50:24

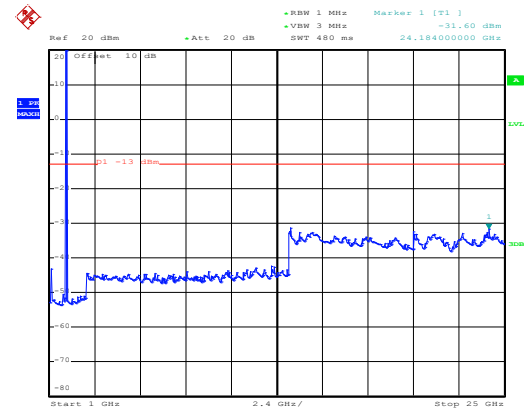
1GHz~25GHz

## High channel



Date: 10.NOV.2017 07:34:56

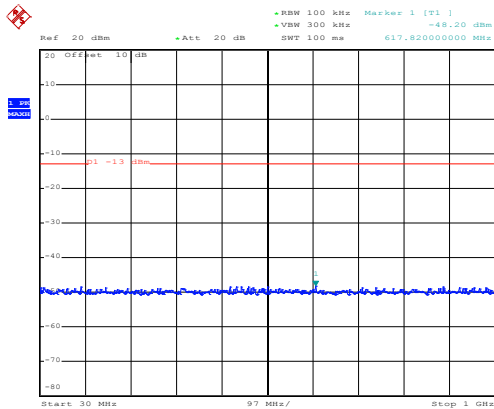
30MHz~1GHz



Date: 10.NOV.2017 07:52:10

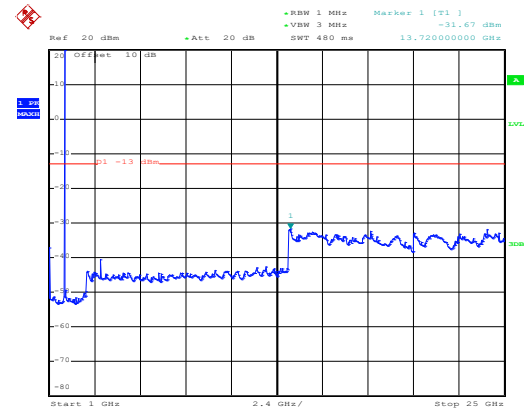
1GHz~25GHz

## QPSK & RB Size 1 Lowest channel



Date: 10.NOV.2017 07:32:49

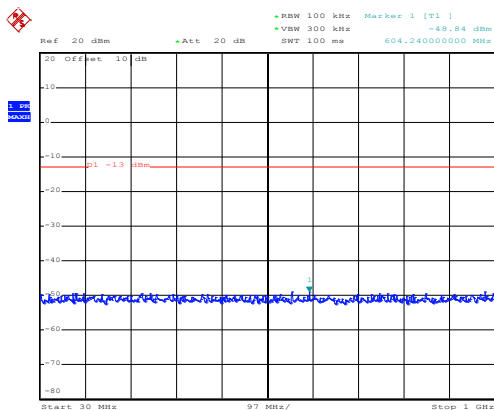
30MHz~1GHz



Date: 10.NOV.2017 07:47:35

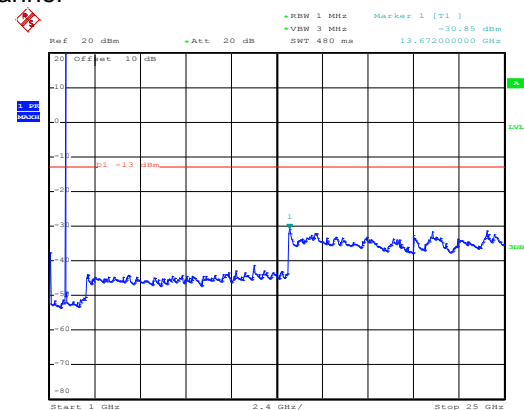
1GHz~25GHz

## Middle channel



Date: 10.NOV.2017 07:34:05

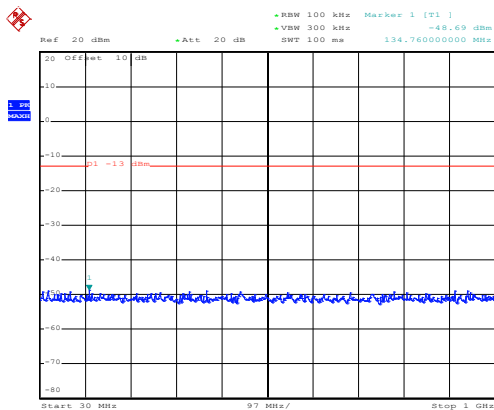
30MHz~1GHz



Date: 10.NOV.2017 07:48:15

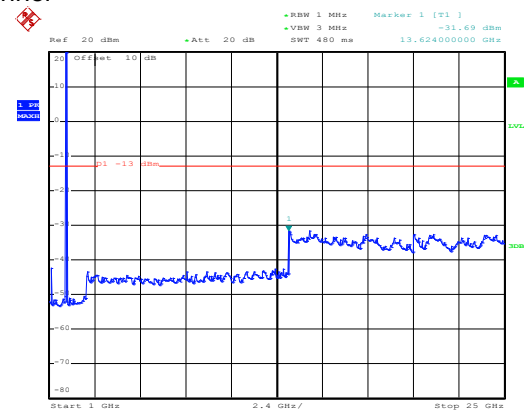
1GHz~25GHz

## High channel



Date: 10.NOV.2017 07:34:19

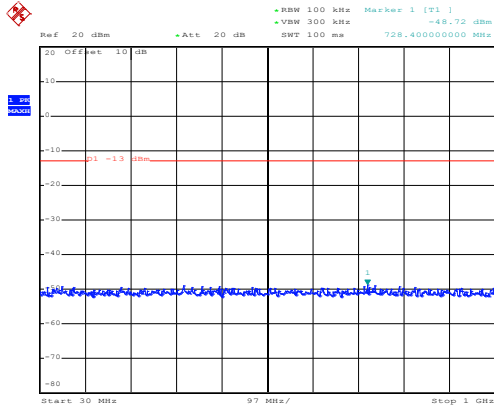
30MHz~1GHz



Date: 10.NOV.2017 07:50:54

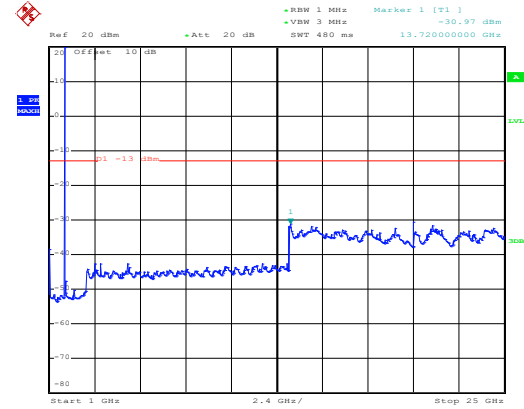
1GHz~25GHz

### QPSK & RB Size 3 Lowest channel



Date: 10.NOV.2017 07:33:06

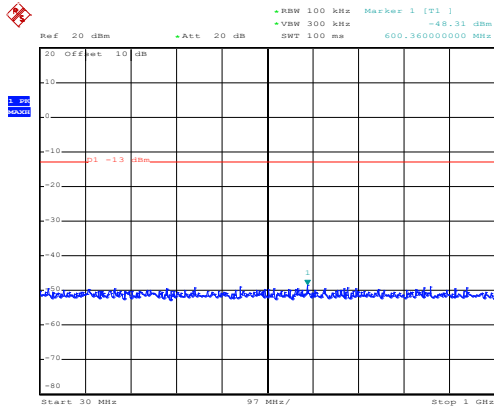
30MHz~1GHz



Date: 10.NOV.2017 07:46:31

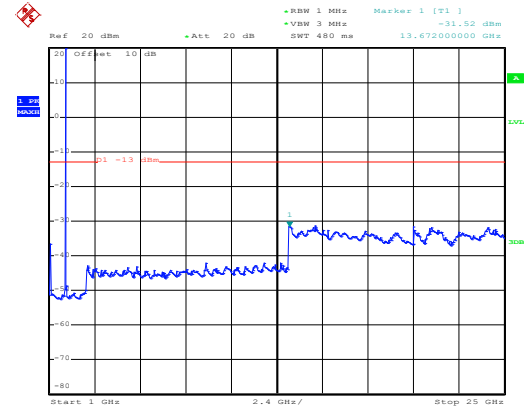
1GHz~25GHz

### Middle channel



Date: 10.NOV.2017 07:33:52

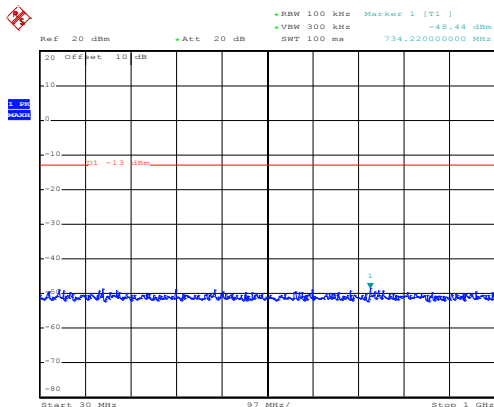
30MHz~1GHz



Date: 10.NOV.2017 07:49:38

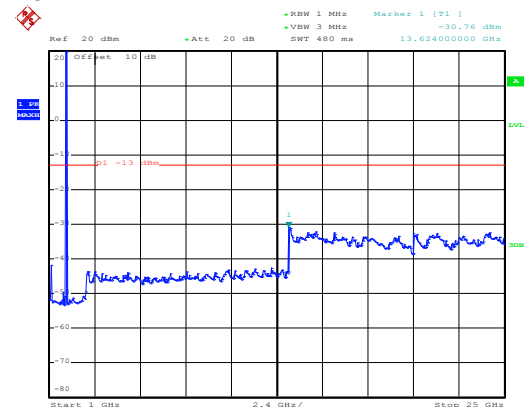
1GHz~25GHz

### High channel



Date: 10.NOV.2017 07:34:35

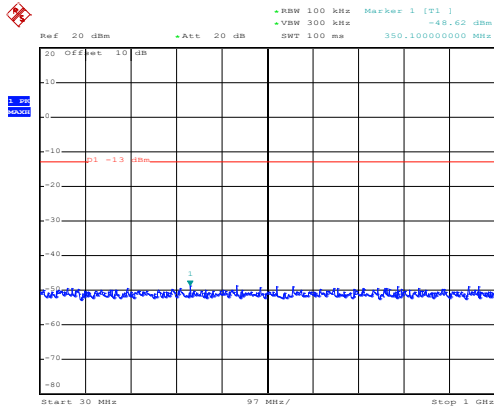
30MHz~1GHz



Date: 10.NOV.2017 07:51:27

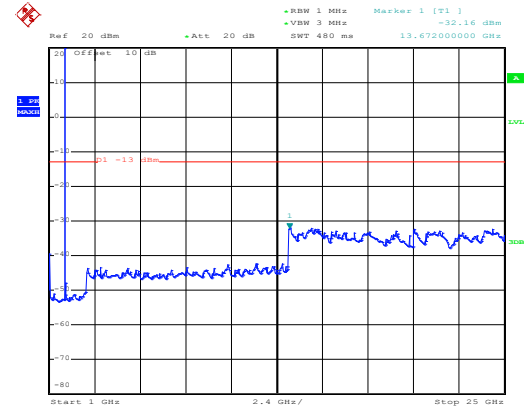
1GHz~25GHz

## QPSK & RB Size 6 Lowest channel



Date: 10.NOV.2017 07:33:19

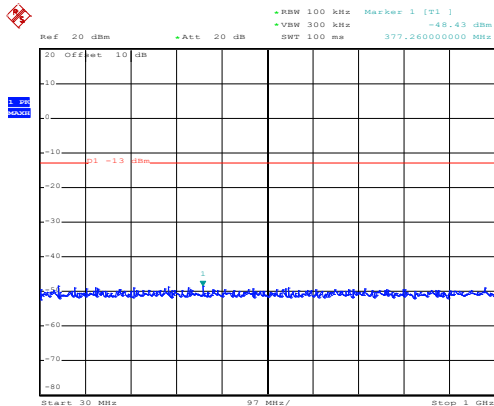
30MHz~1GHz



Date: 10.NOV.2017 07:47:07

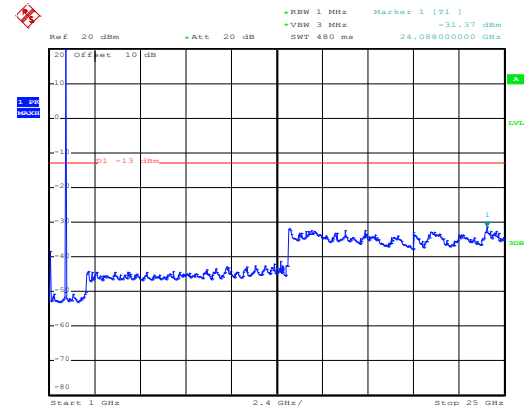
1GHz~25GHz

## Middle channel



Date: 10.NOV.2017 07:33:39

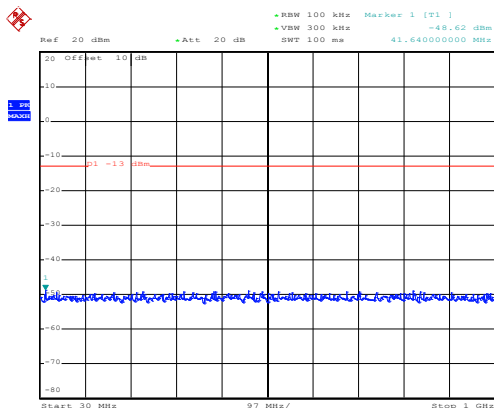
30MHz~1GHz



Date: 10.NOV.2017 07:50:12

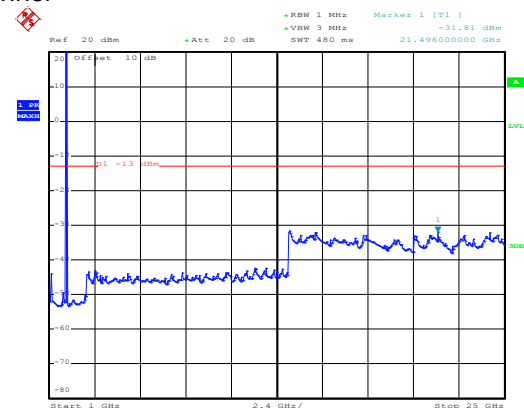
1GHz~25GHz

## High channel



Date: 10.NOV.2017 07:34:50

30MHz~1GHz

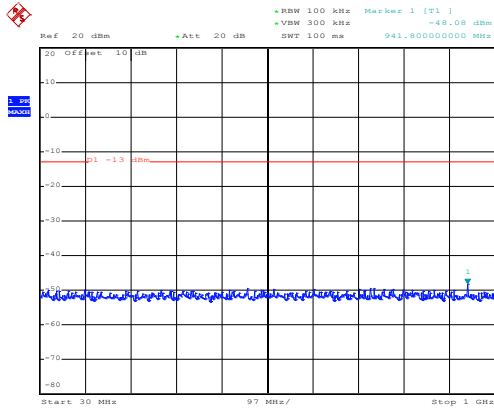


Date: 10.NOV.2017 07:51:59

1GHz~25GHz

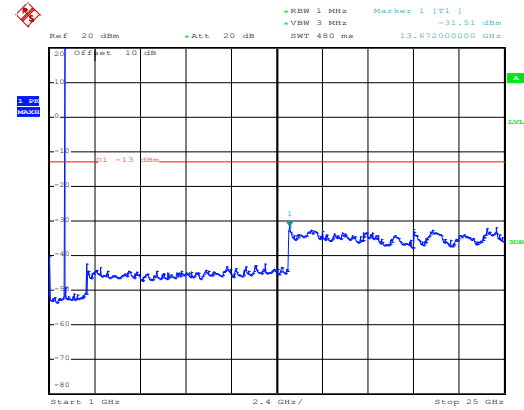
## 3MHz

### 16 QAM & RB Size 1 Lowest channel



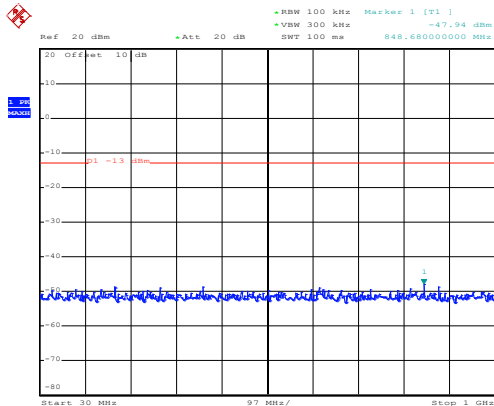
Date: 10.NOV.2017 07:35:16

30MHz~1GHz



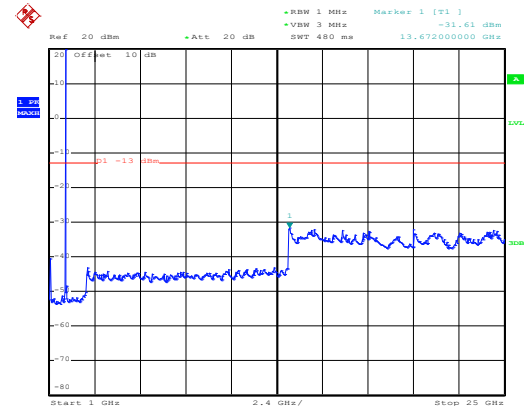
Date: 10.NOV.2017 08:50:59

1GHz~25GHz



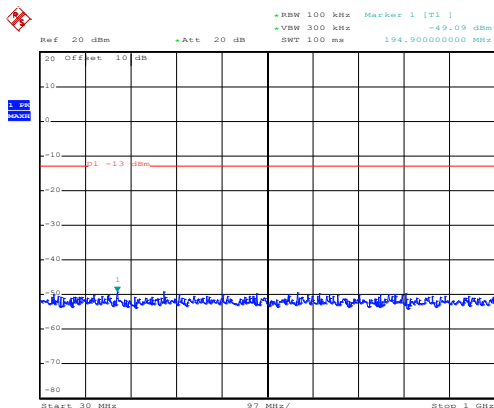
Date: 10.NOV.2017 07:36:28

30MHz~1GHz



Date: 10.NOV.2017 08:54:13

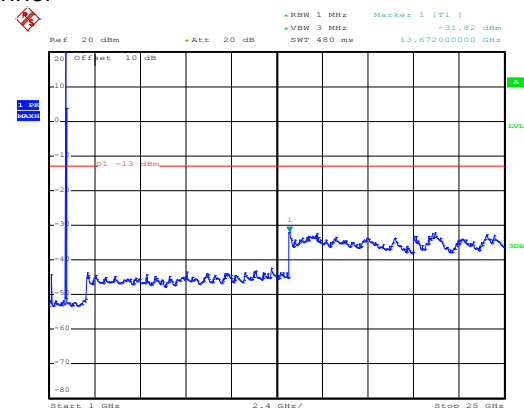
1GHz~25GHz



Date: 10.NOV.2017 07:36:41

30MHz~1GHz

### Middle channel



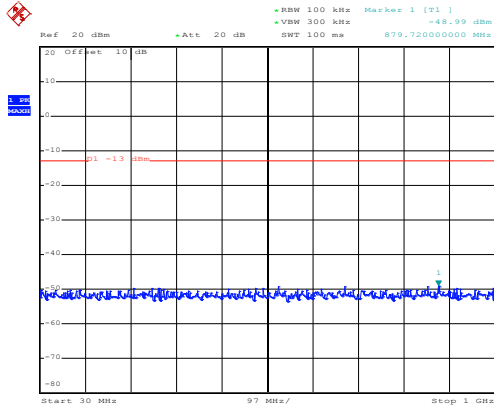
Date: 10.NOV.2017 08:55:51

1GHz~25GHz

### High channel

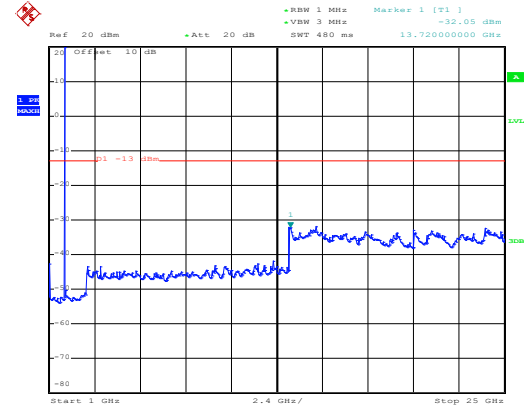


## 16 QAM & RB Size 8 Lowest channel



Date: 10.NOV.2017 07:35:30

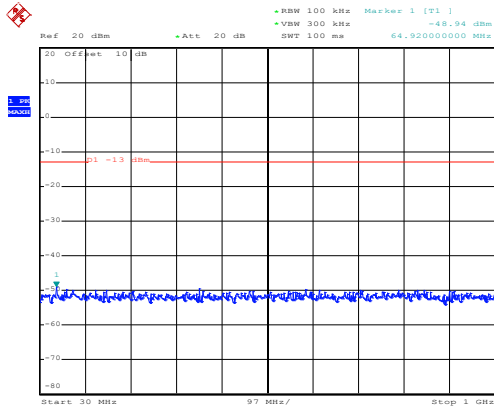
30MHz~1GHz



Date: 10.NOV.2017 08:53:22

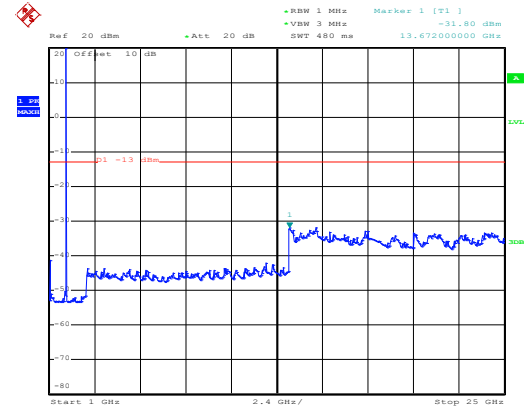
1GHz~25GHz

## Middle channel



Date: 10.NOV.2017 07:36:14

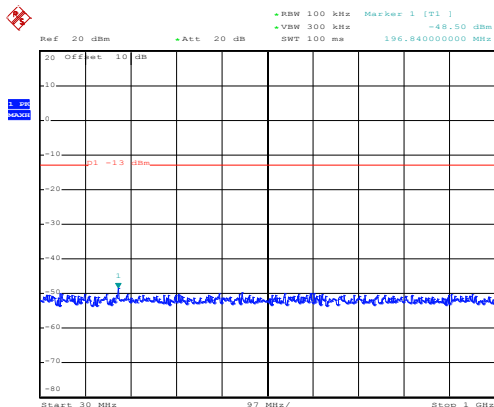
30MHz~1GHz



Date: 10.NOV.2017 08:54:48

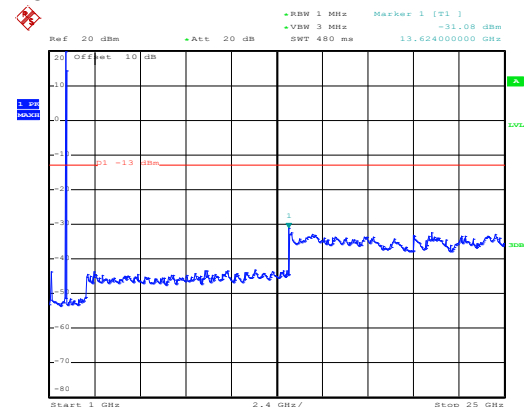
1GHz~25GHz

## High channel



Date: 10.NOV.2017 07:36:57

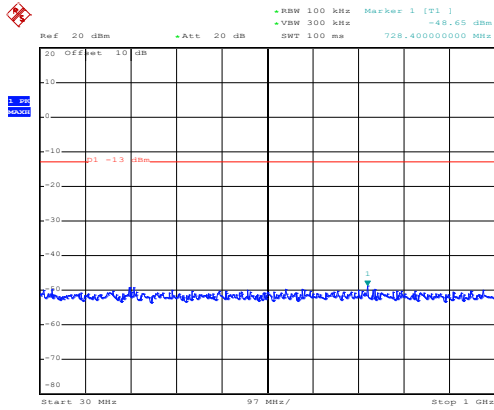
30MHz~1GHz



Date: 10.NOV.2017 08:56:24

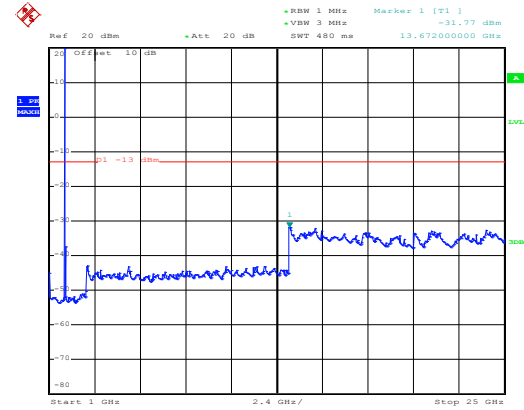
1GHz~25GHz

## 16 QAM & RB Size 15 Lowest channel



Date: 10.NOV.2017 07:35:47

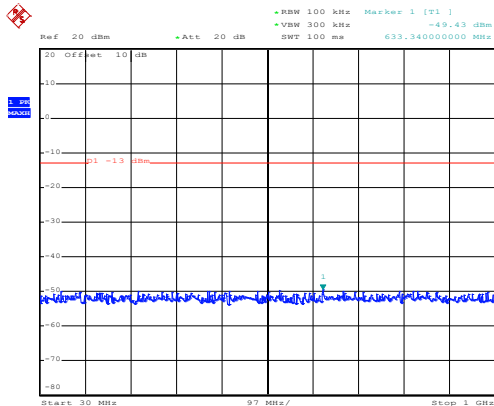
30MHz~1GHz



Date: 10.NOV.2017 08:52:30

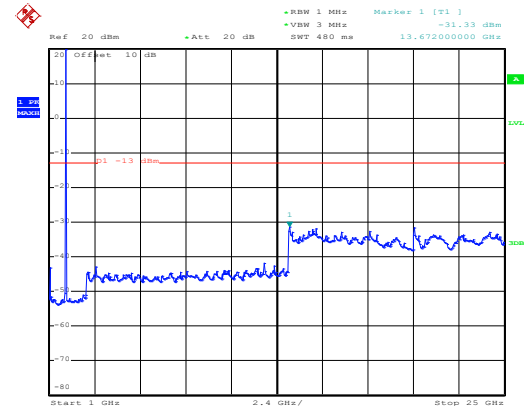
1GHz~25GHz

## Middle channel



Date: 10.NOV.2017 07:36:01

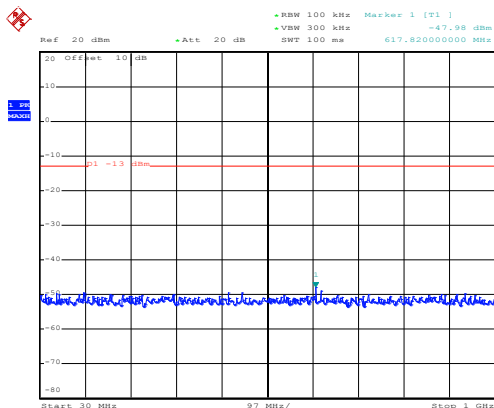
30MHz~1GHz



Date: 10.NOV.2017 08:55:17

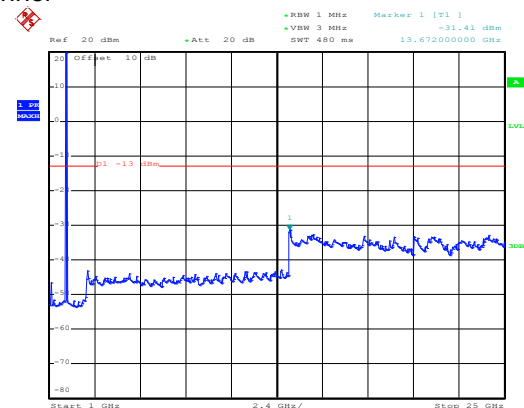
1GHz~25GHz

## High channel



Date: 10.NOV.2017 07:37:15

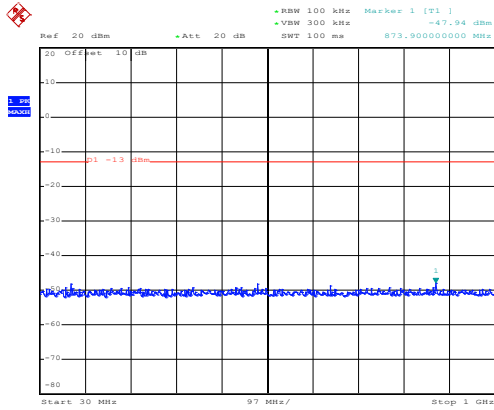
30MHz~1GHz



Date: 10.NOV.2017 08:56:52

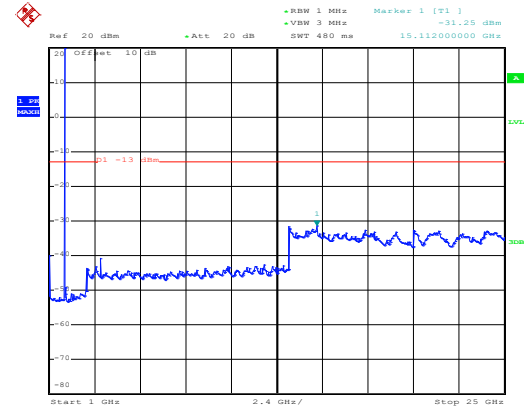
1GHz~25GHz

## QPSK & RB Size 1 Lowest channel



Date: 10.NOV.2017 07:35:10

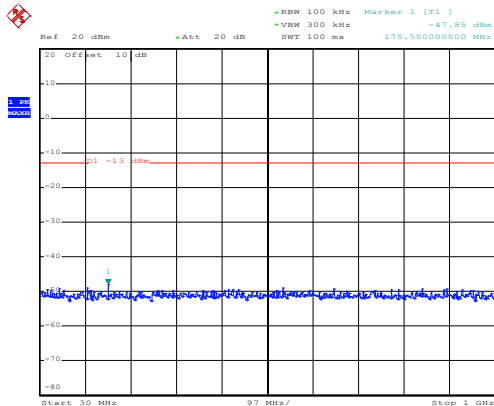
30MHz~1GHz



Date: 10.NOV.2017 08:50:38

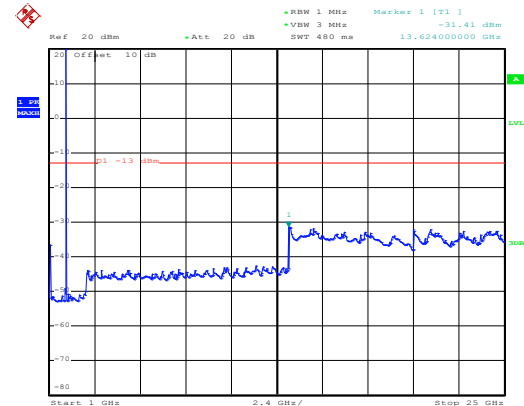
1GHz~25GHz

## Middle channel



Date: 10.NOV.2017 07:36:22

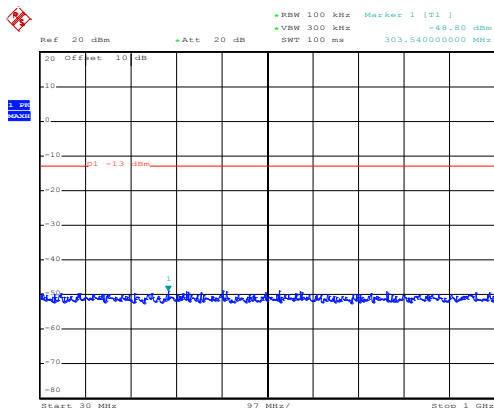
30MHz~1GHz



Date: 10.NOV.2017 08:53:57

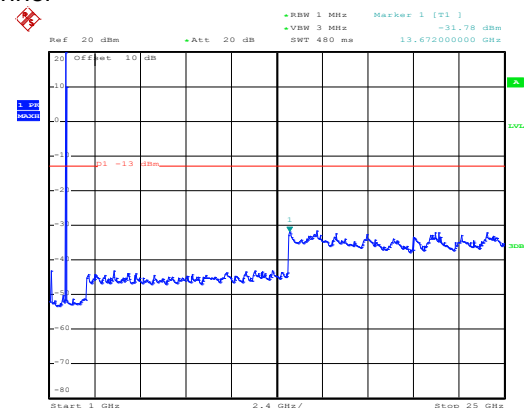
1GHz~25GHz

## High channel



Date: 10.NOV.2017 07:36:37

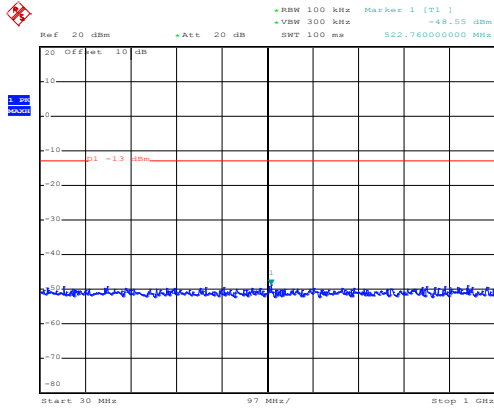
30MHz~1GHz



Date: 10.NOV.2017 08:55:38

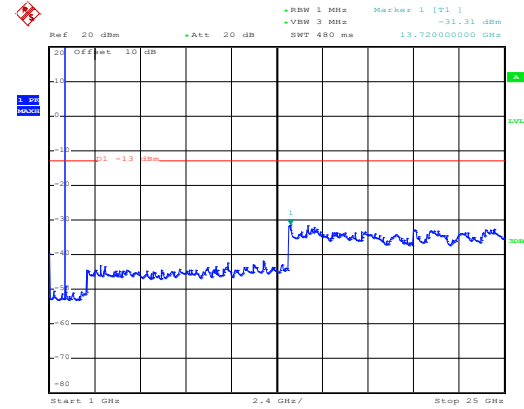
1GHz~25GHz

### QPSK & RB Size 8 Lowest channel



Date: 10.NOV.2017 07:35:25

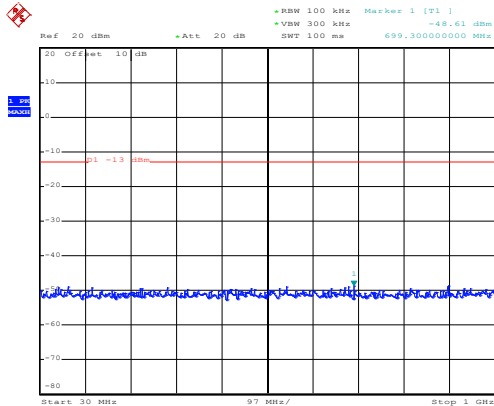
30MHz~1GHz



Date: 10.NOV.2017 08:53:10

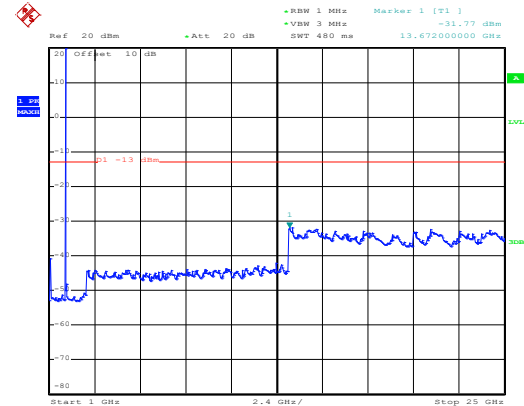
1GHz~25GHz

### Middle channel



Date: 10.NOV.2017 07:36:09

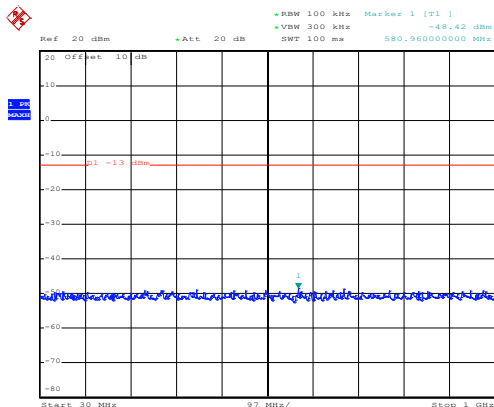
30MHz~1GHz



Date: 10.NOV.2017 08:54:37

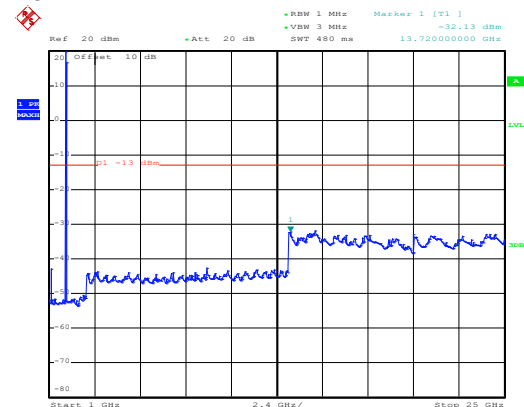
1GHz~25GHz

### High channel



Date: 10.NOV.2017 07:36:52

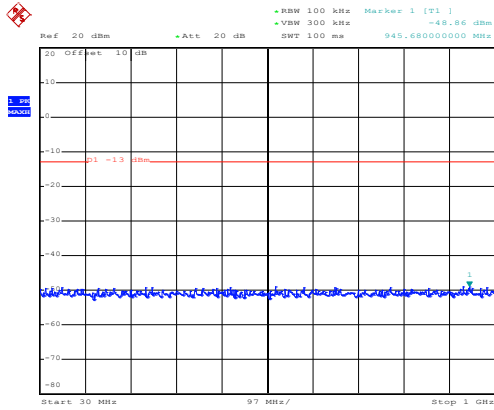
30MHz~1GHz



Date: 10.NOV.2017 08:56:12

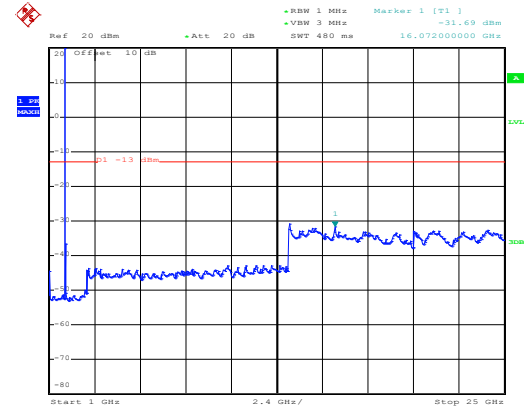
1GHz~25GHz

## QPSK & RB Size 15 Lowest channel



Date: 10.NOV.2017 07:35:41

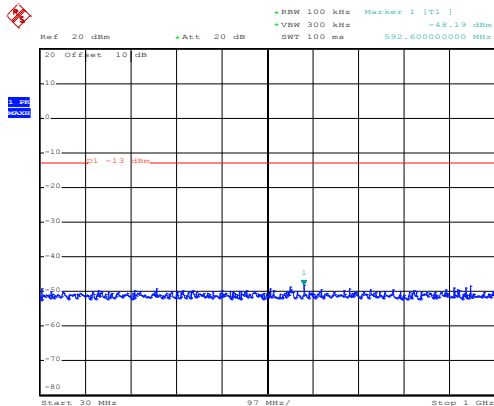
30MHz~1GHz



Date: 10.NOV.2017 08:52:17

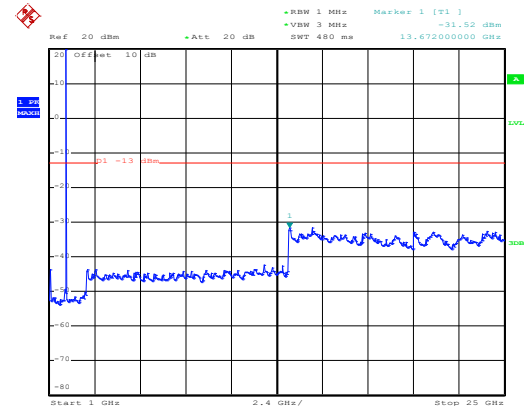
1GHz~25GHz

## Middle channel



Date: 10.NOV.2017 07:35:56

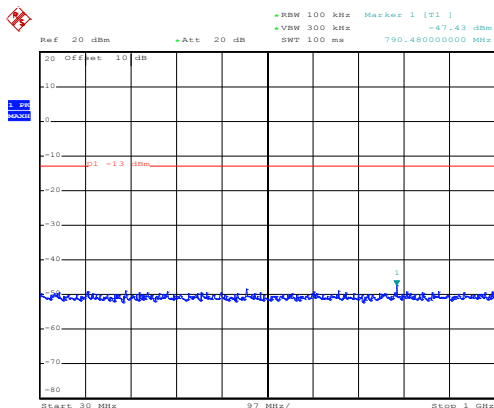
30MHz~1GHz



Date: 10.NOV.2017 08:55:06

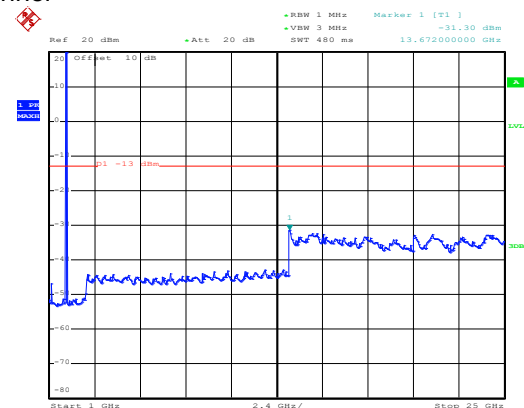
1GHz~25GHz

## High channel



Date: 10.NOV.2017 07:37:10

30MHz~1GHz

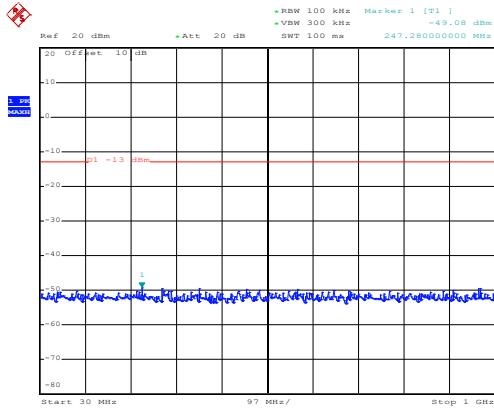


Date: 10.NOV.2017 08:56:43

1GHz~25GHz

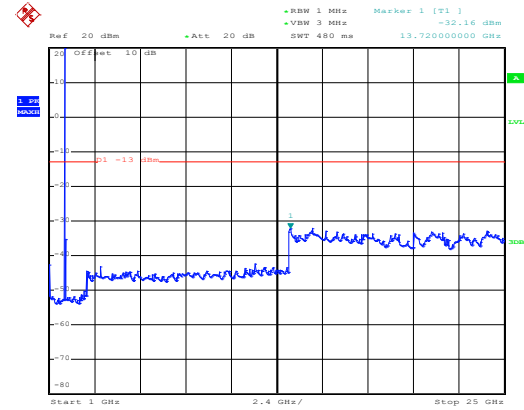
## 5MHz

### 16 QAM & RB Size 1 Lowest channel



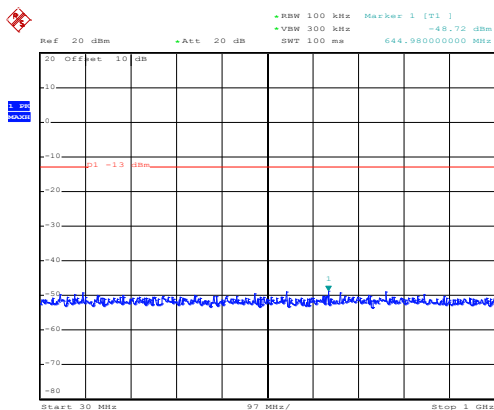
Date: 10.NOV.2017 07:37:33

30MHz~1GHz



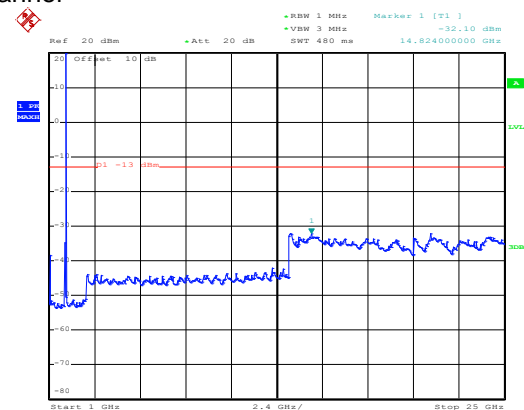
Date: 10.NOV.2017 09:00:23

1GHz~25GHz



Date: 10.NOV.2017 07:40:51

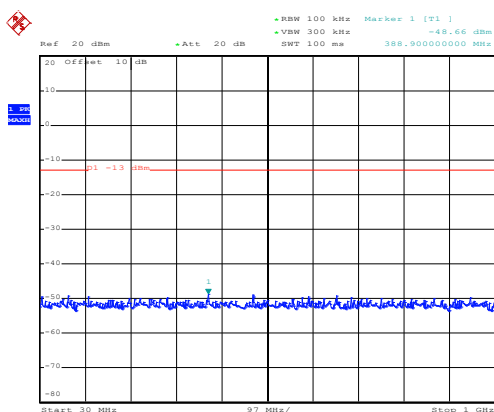
30MHz~1GHz



Date: 10.NOV.2017 09:02:21

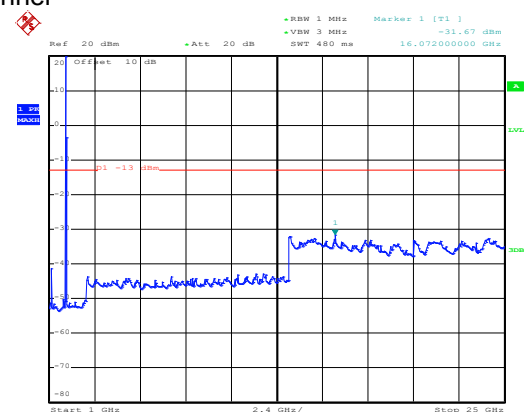
1GHz~25GHz

### Middle channel



Date: 10.NOV.2017 07:41:06

30MHz~1GHz

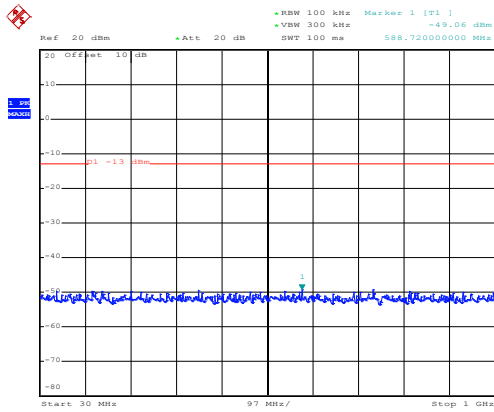


Date: 10.NOV.2017 09:04:26

1GHz~25GHz

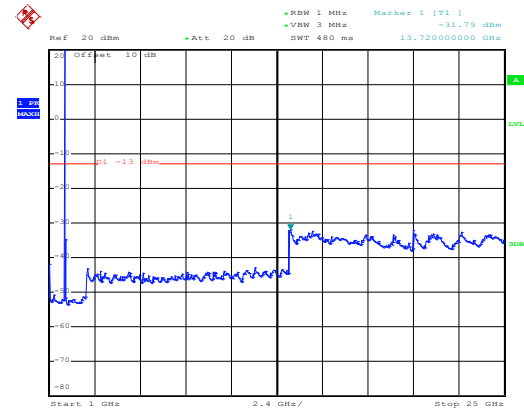
### High channel

## 16 QAM & RB Size 12 Lowest channel



Date: 10.NOV.2017 07:37:48

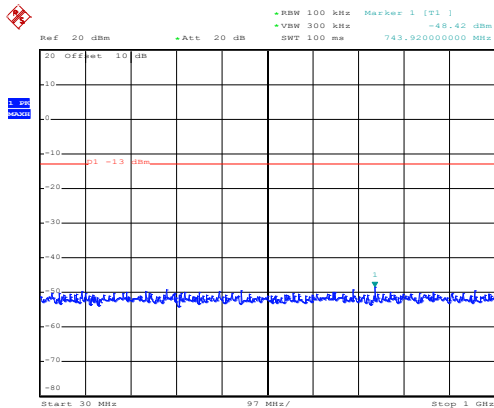
30MHz~1GHz



Date: 10.NOV.2017 09:01:05

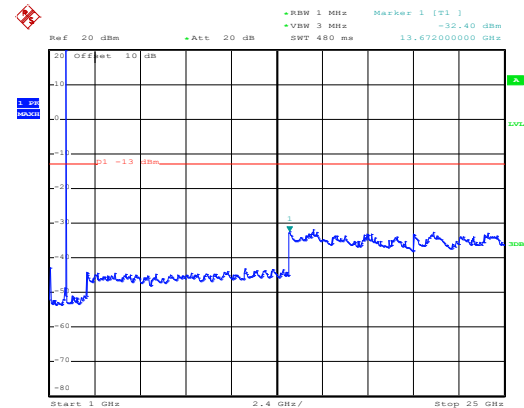
1GHz~25GHz

## Middle channel



Date: 10.NOV.2017 07:40:36

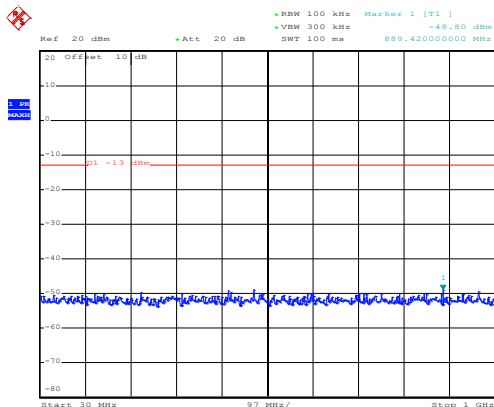
30MHz~1GHz



Date: 10.NOV.2017 09:03:00

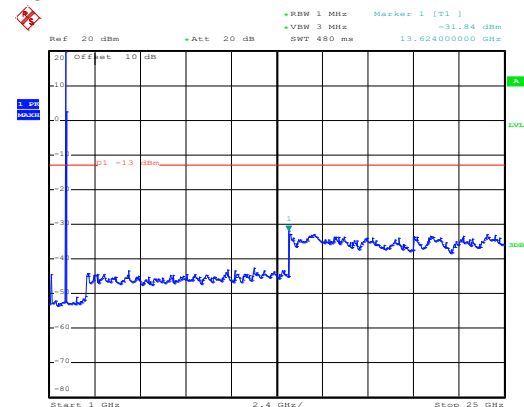
1GHz~25GHz

## High channel



Date: 10.NOV.2017 07:41:20

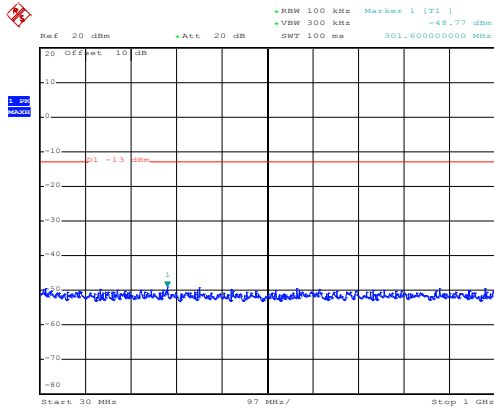
30MHz~1GHz



Date: 10.NOV.2017 09:04:58

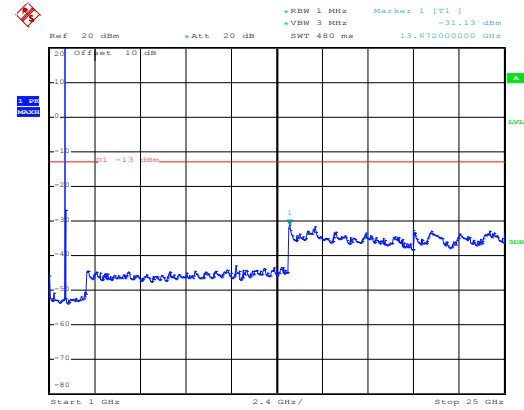
1GHz~25GHz

## 16 QAM & RB Size 25 Lowest channel



Date: 10.NOV.2017 07:38:11

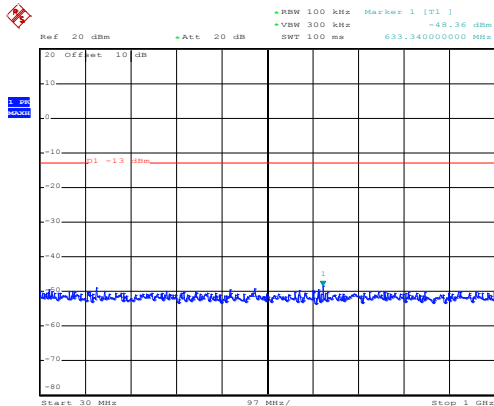
30MHz~1GHz



Date: 10.NOV.2017 09:01:38

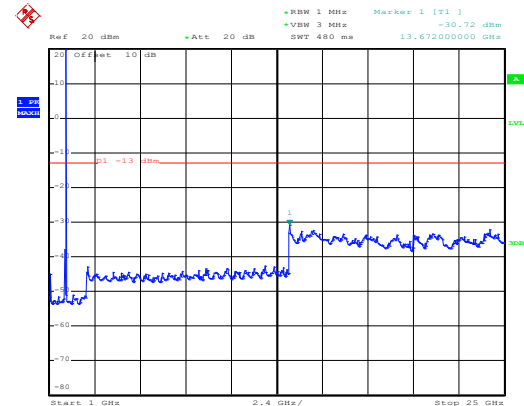
1GHz~25GHz

## Middle channel



Date: 10.NOV.2017 07:40:21

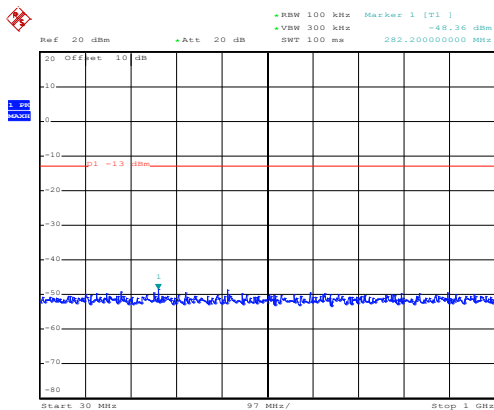
30MHz~1GHz



Date: 10.NOV.2017 09:03:30

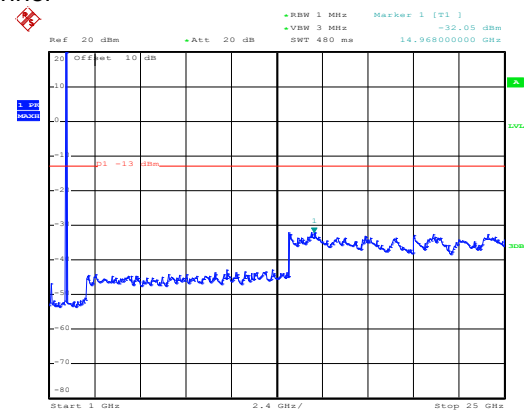
1GHz~25GHz

## High channel



Date: 10.NOV.2017 07:41:36

30MHz~1GHz

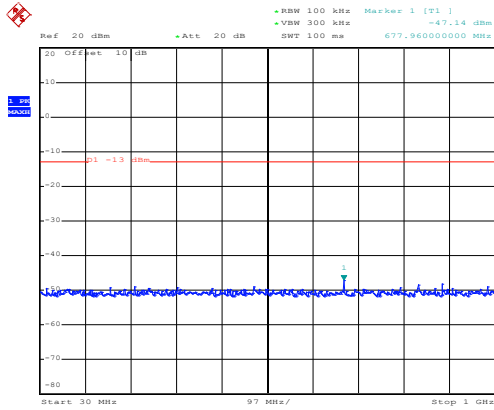


Date: 10.NOV.2017 09:05:25

1GHz~25GHz

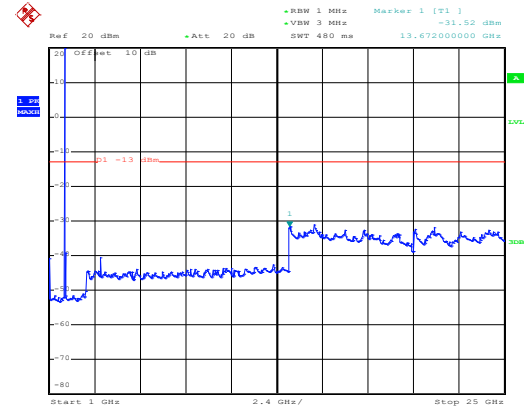


## QPSK & RB Size 1 Lowest channel



Date: 10.NOV.2017 07:37:29

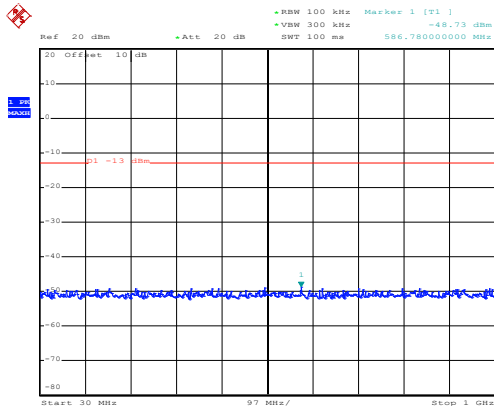
30MHz~1GHz



Date: 10.NOV.2017 09:00:03

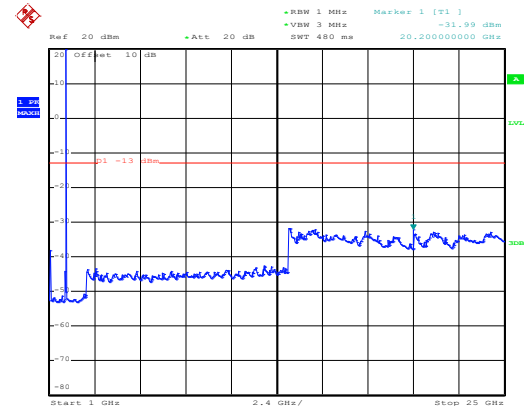
1GHz~25GHz

## Middle channel



Date: 10.NOV.2017 07:40:46

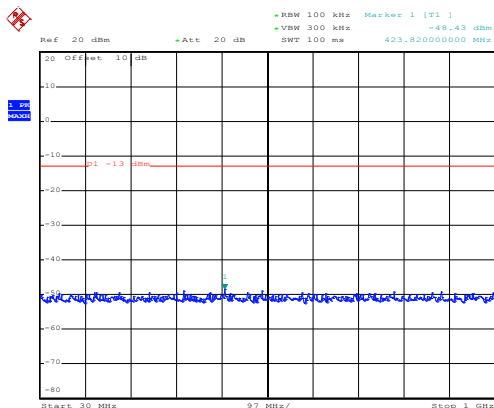
30MHz~1GHz



Date: 10.NOV.2017 09:02:04

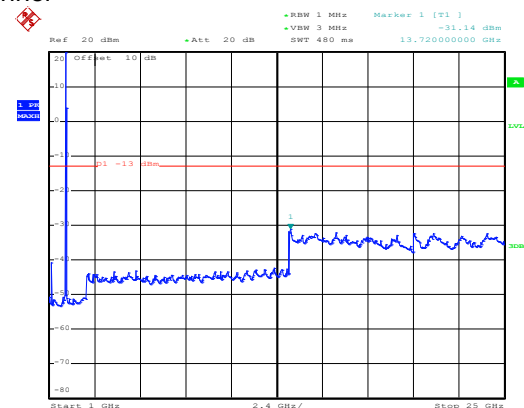
1GHz~25GHz

## High channel



Date: 10.NOV.2017 07:41:01

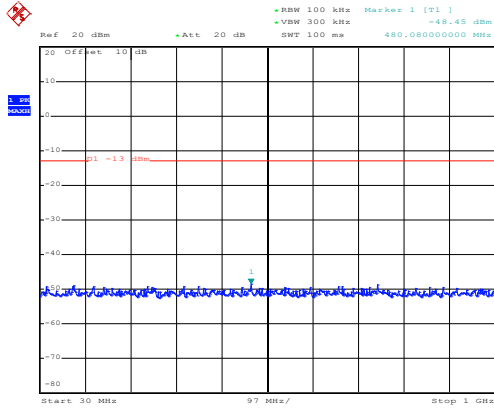
30MHz~1GHz



Date: 10.NOV.2017 09:04:10

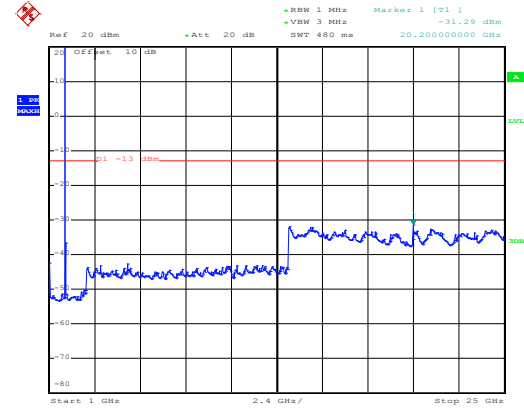
1GHz~25GHz

## QPSK & RB Size 12 Lowest channel



Date: 10.NOV.2017 07:37:43

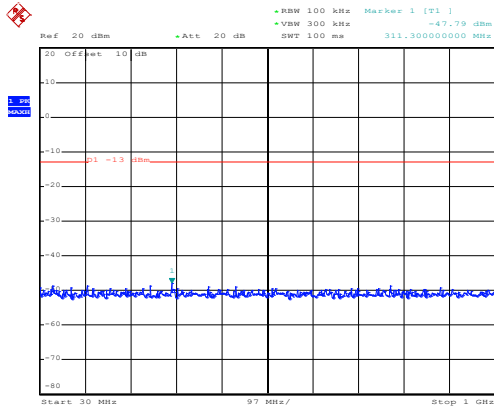
30MHz~1GHz



Date: 10.NOV.2017 09:00:47

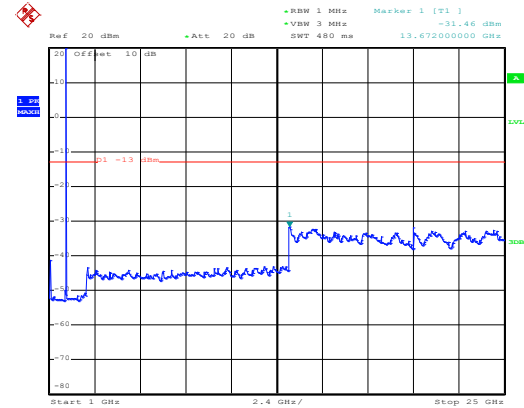
1GHz~25GHz

## Middle channel



Date: 10.NOV.2017 07:40:31

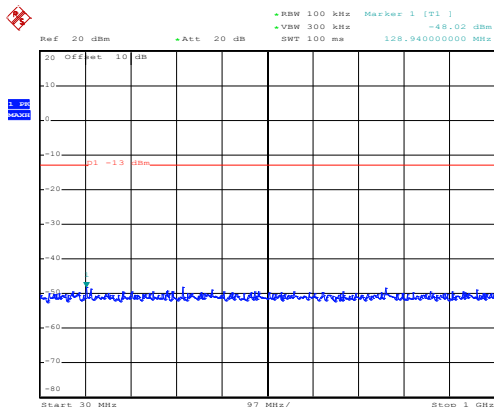
30MHz~1GHz



Date: 10.NOV.2017 09:02:45

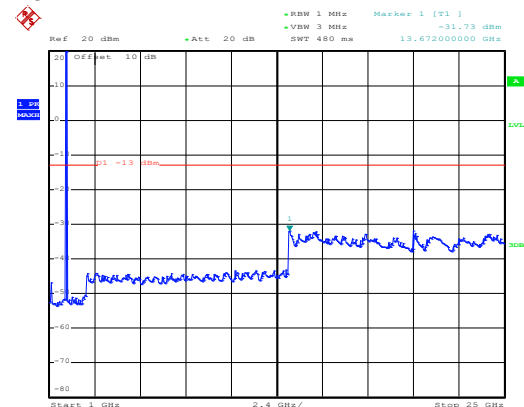
1GHz~25GHz

## High channel



Date: 10.NOV.2017 07:41:16

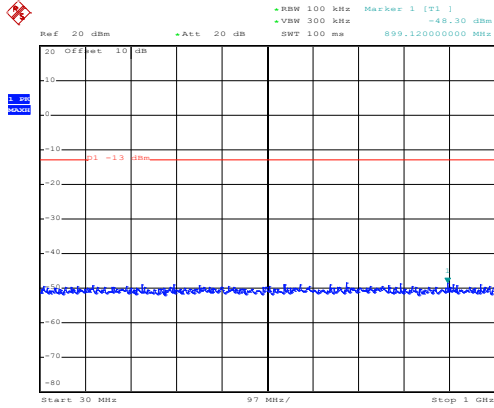
30MHz~1GHz



Date: 10.NOV.2017 09:05:14

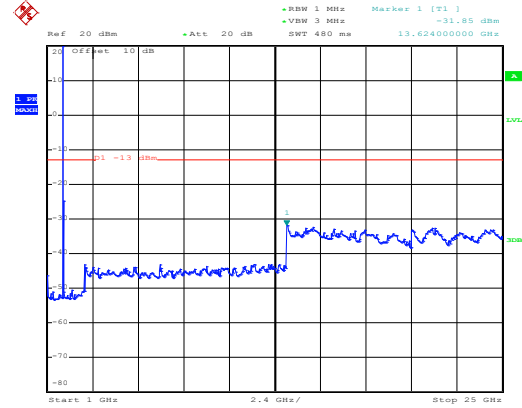
1GHz~25GHz

## QPSK & RB Size 25 Lowest channel



Date: 10.NOV.2017 07:38:05

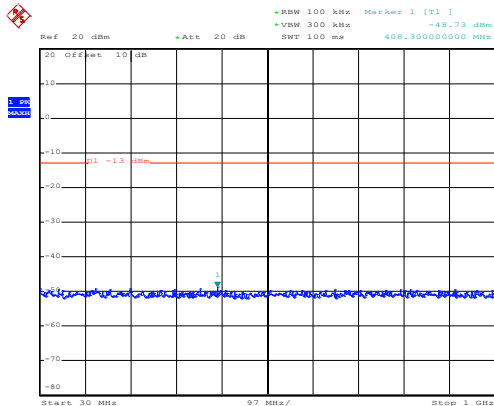
30MHz~1GHz



Date: 10.NOV.2017 09:01:25

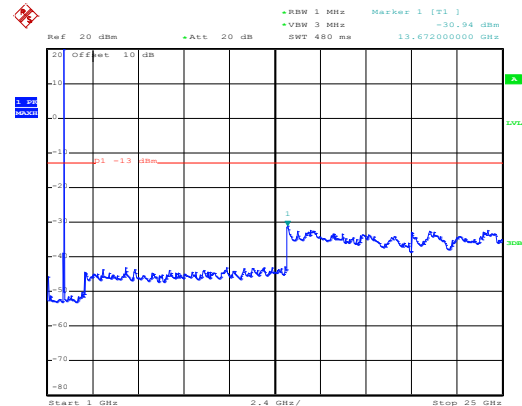
1GHz~25GHz

## Middle channel



Date: 10.NOV.2017 07:40:17

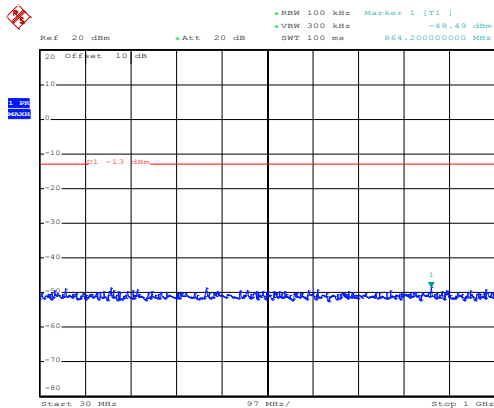
30MHz~1GHz



Date: 10.NOV.2017 09:03:18

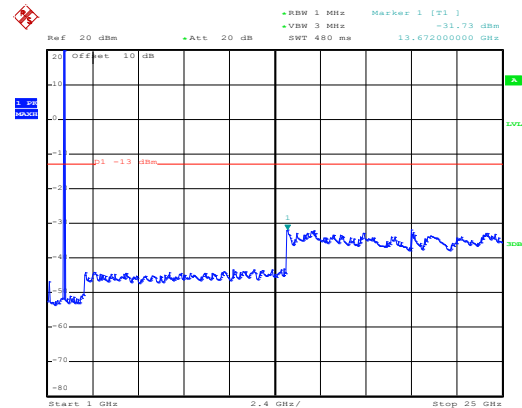
1GHz~25GHz

## High channel



Date: 10.NOV.2017 07:41:31

30MHz~1GHz

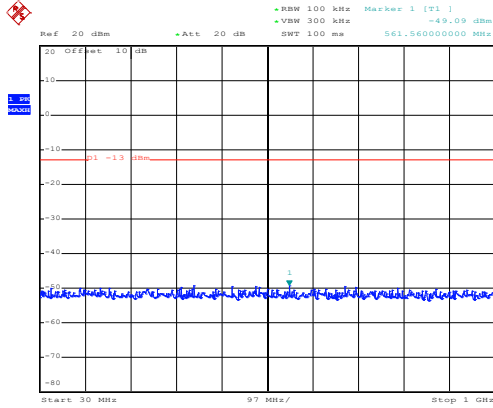


Date: 10.NOV.2017 09:05:14

1GHz~25GHz

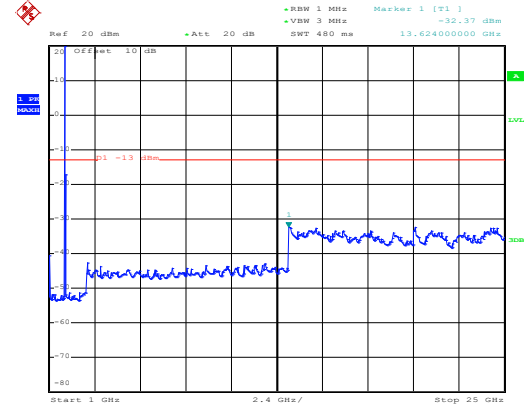
## 10MHz

### 16 QAM & RB Size 1 Lowest channel



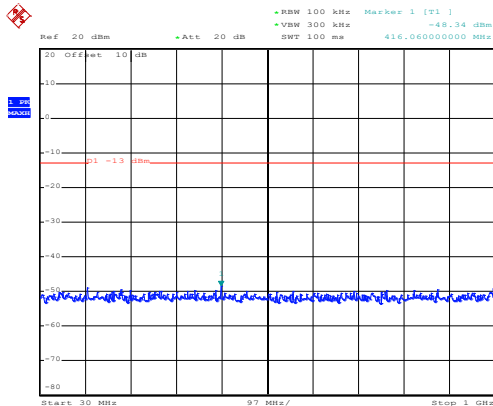
Date: 10.NOV.2017 07:42:01

30MHz~1GHz



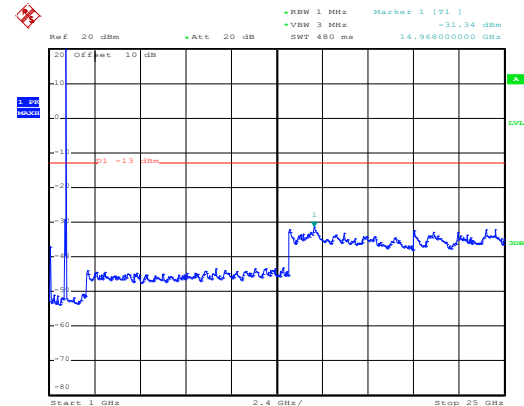
Date: 10.NOV.2017 10:35:53

1GHz~25GHz



Date: 10.NOV.2017 07:43:46

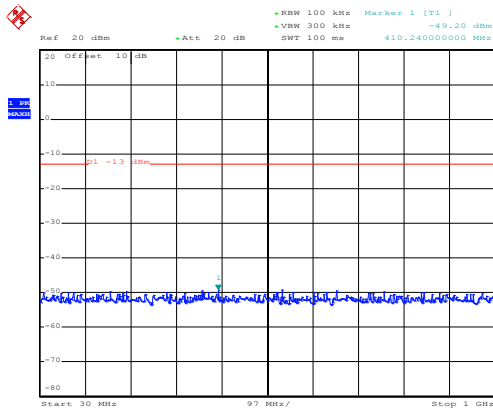
30MHz~1GHz



Date: 10.NOV.2017 10:37:45

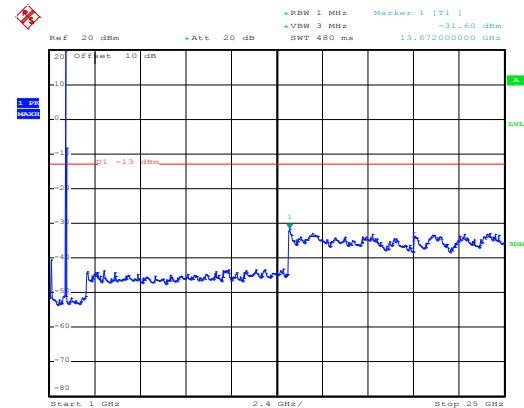
1GHz~25GHz

### High channel



Date: 10.NOV.2017 07:43:59

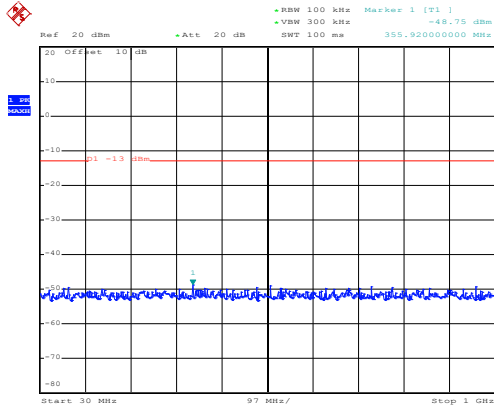
30MHz~1GHz



Date: 10.NOV.2017 10:40:37

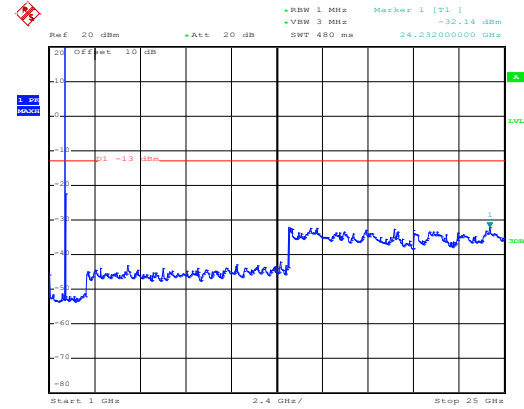
1GHz~25GHz

## 16 QAM & RB Size 25 Lowest channel



Date: 10.NOV.2017 07:42:33

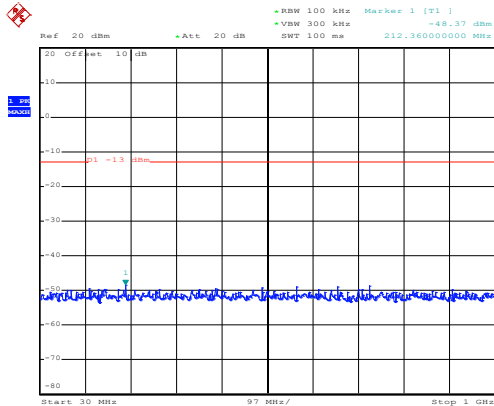
30MHz~1GHz



Date: 10.NOV.2017 10:36:27

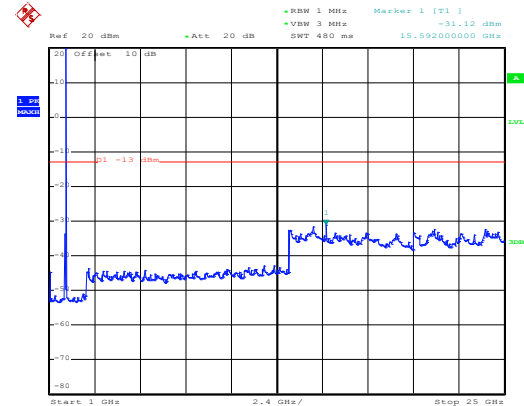
1GHz~25GHz

## Middle channel



Date: 10.NOV.2017 07:43:32

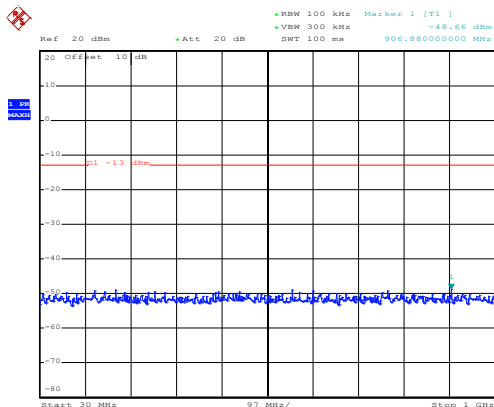
30MHz~1GHz



Date: 10.NOV.2017 10:38:18

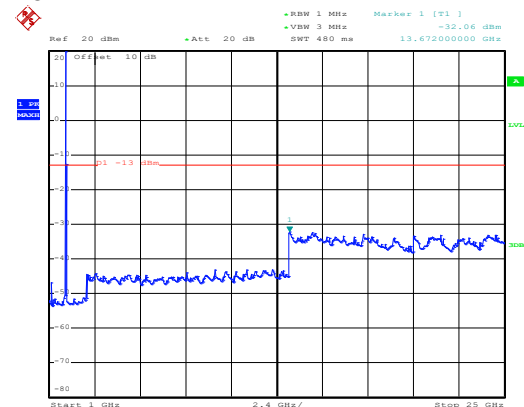
1GHz~25GHz

## High channel



Date: 10.NOV.2017 07:44:16

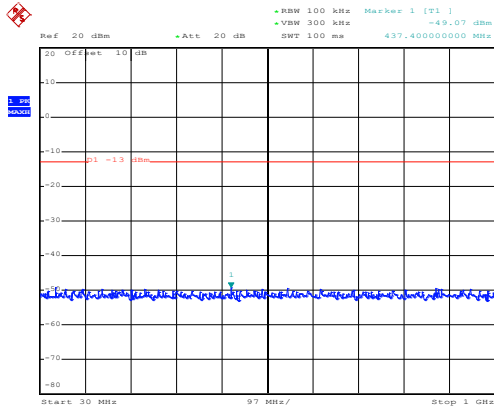
30MHz~1GHz



Date: 10.NOV.2017 10:41:13

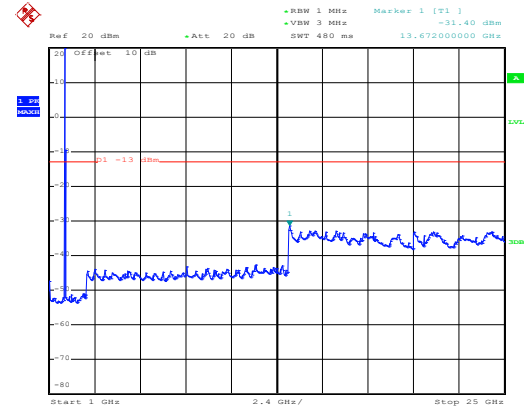
1GHz~25GHz

## 16 QAM & RB Size 50 Lowest channel



Date: 10.NOV.2017 07:42:54

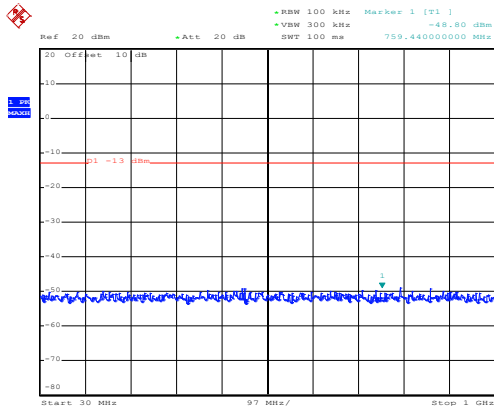
30MHz~1GHz



Date: 10.NOV.2017 10:37:04

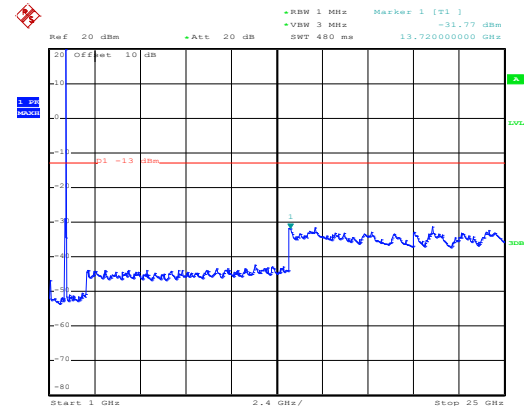
1GHz~25GHz

## Middle channel



Date: 10.NOV.2017 07:43:18

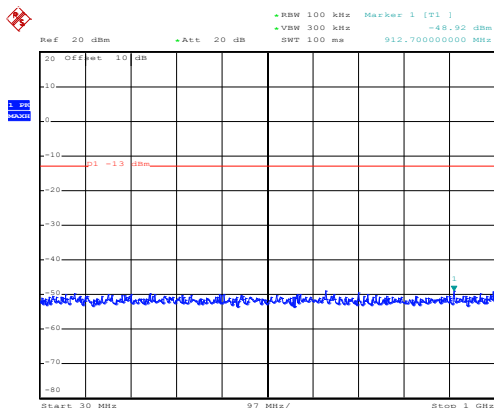
30MHz~1GHz



Date: 10.NOV.2017 10:39:19

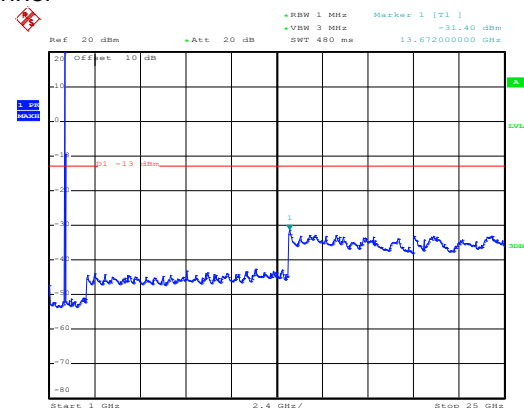
1GHz~25GHz

## High channel



Date: 10.NOV.2017 07:44:55

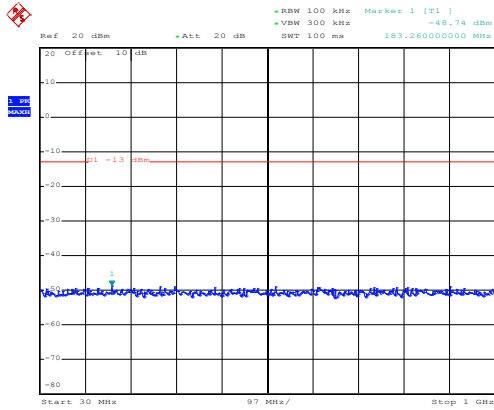
30MHz~1GHz



Date: 10.NOV.2017 10:37:04

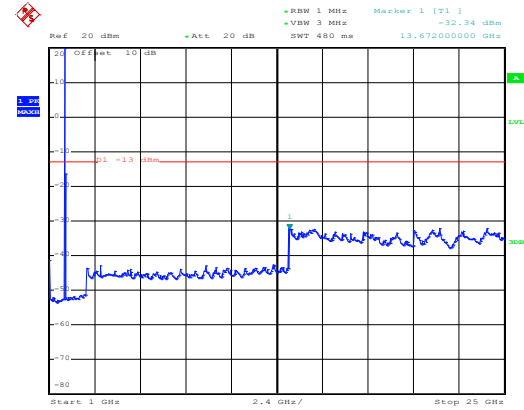
1GHz~25GHz

## QPSK & RB Size 1 Lowest channel



Date: 10.NOV.2017 07:41:56

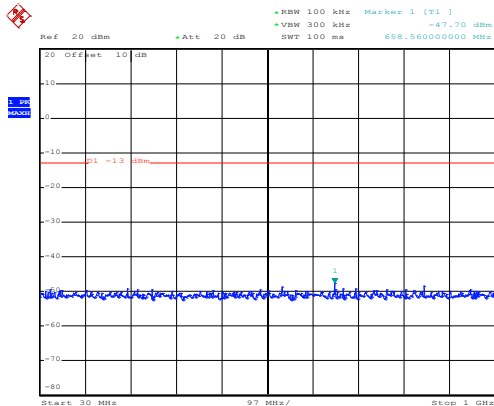
30MHz~1GHz



Date: 10.NOV.2017 10:35:28

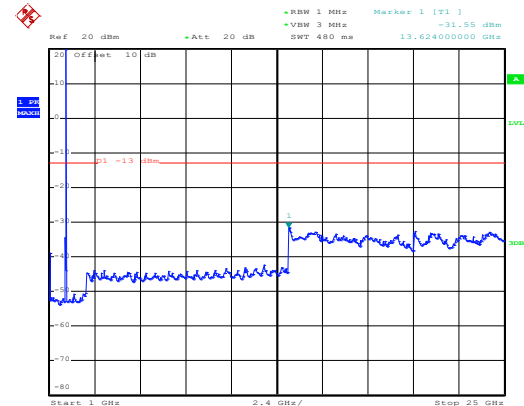
1GHz~25GHz

## Middle channel



Date: 10.NOV.2017 07:43:41

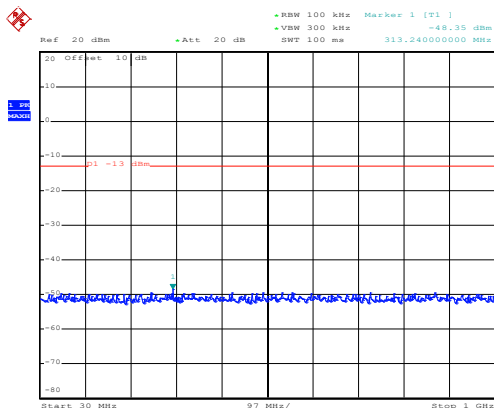
30MHz~1GHz



Date: 10.NOV.2017 10:37:32

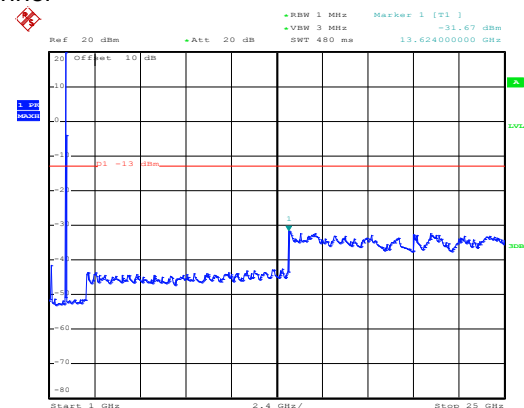
1GHz~25GHz

## High channel



Date: 10.NOV.2017 07:43:55

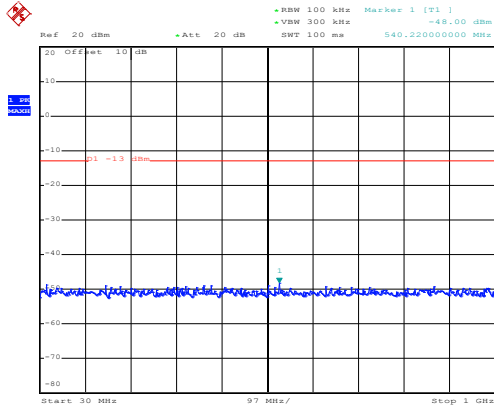
30MHz~1GHz



Date: 10.NOV.2017 10:40:23

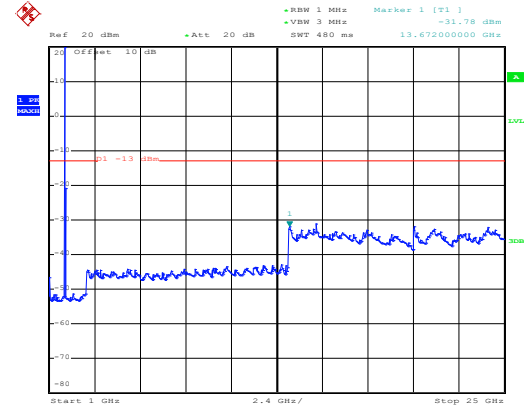
1GHz~25GHz

## QPSK & RB Size 25 Lowest channel



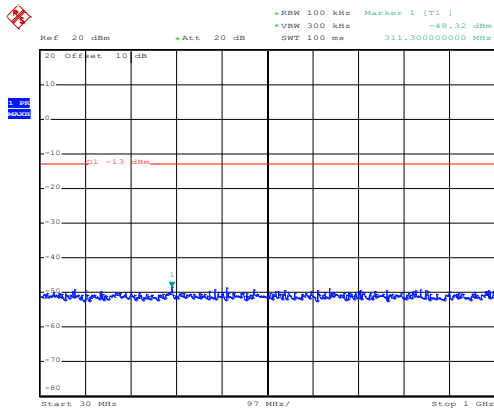
Date: 10.NOV.2017 07:42:28

30MHz~1GHz



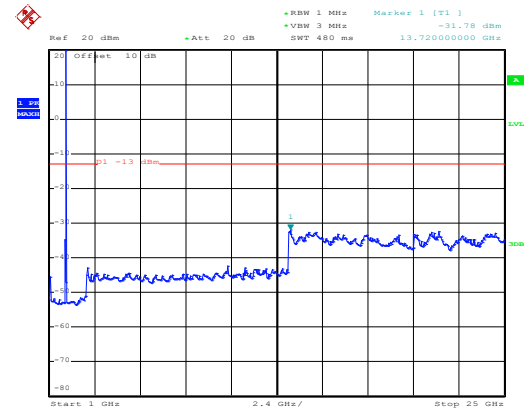
Date: 10.NOV.2017 10:36:13

1GHz~25GHz



Date: 10.NOV.2017 07:43:27

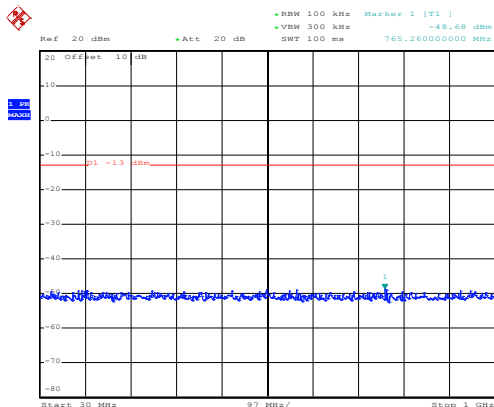
30MHz~1GHz



Date: 10.NOV.2017 10:38:06

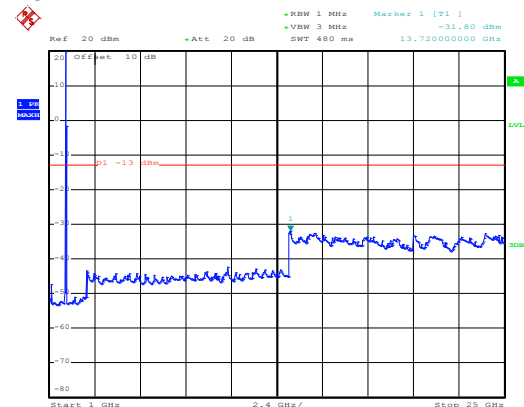
1GHz~25GHz

## High channel



Date: 10.NOV.2017 07:44:10

30MHz~1GHz

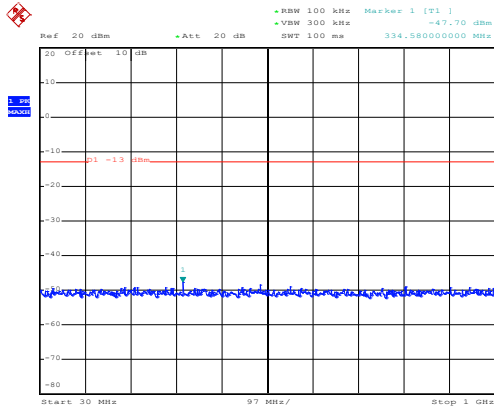


Date: 10.NOV.2017 10:40:54

1GHz~25GHz

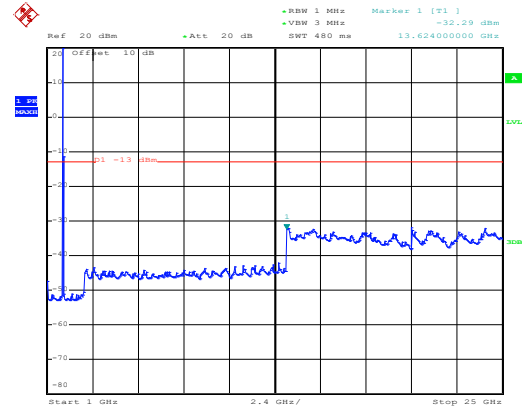


## QPSK & RB Size 50 Lowest channel



Date: 10.NOV.2017 07:42:48

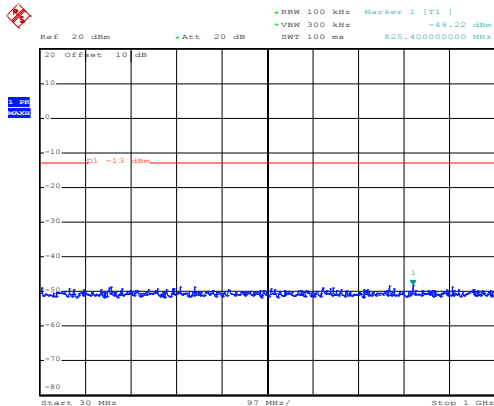
30MHz~1GHz



Date: 10.NOV.2017 10:36:47

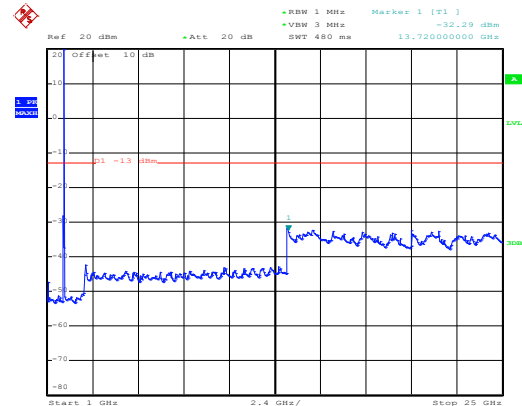
1GHz~25GHz

## Middle channel



Date: 10.NOV.2017 07:43:13

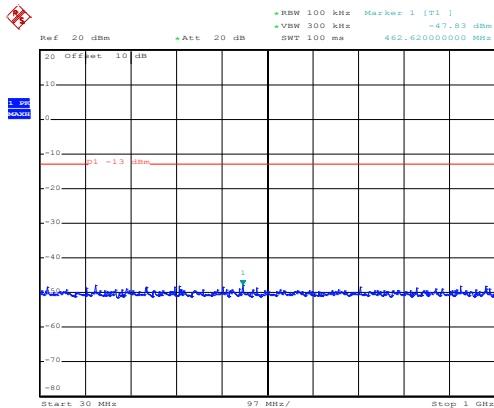
30MHz~1GHz



Date: 10.NOV.2017 10:38:37

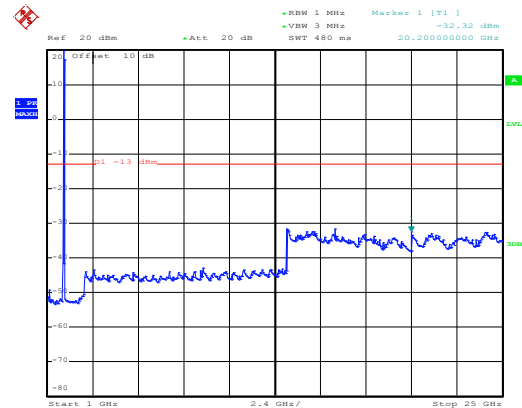
1GHz~25GHz

## High channel



Date: 10.NOV.2017 07:44:50

30MHz~1GHz

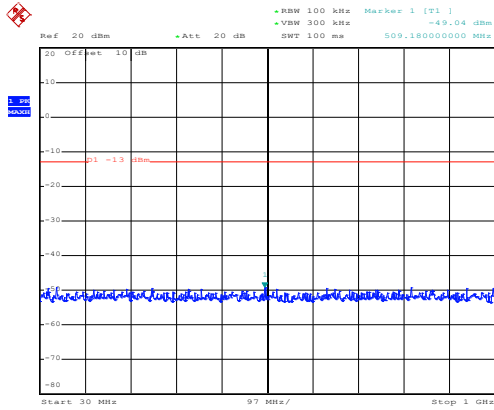


Date: 10.NOV.2017 10:41:33

1GHz~25GHz

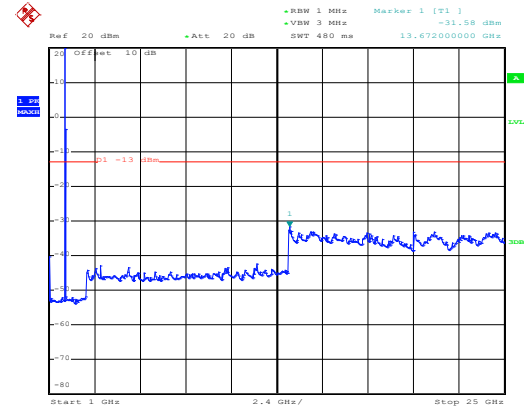
## 15MHz

### 16 QAM & RB Size 1 Lowest channel



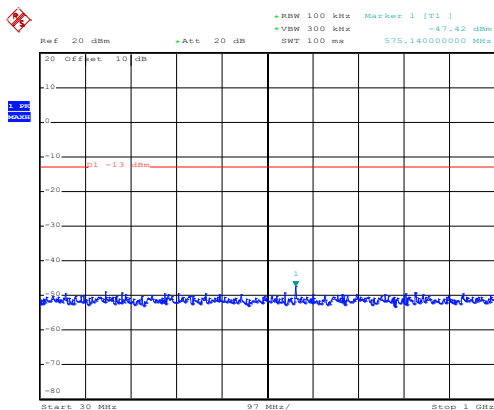
Date: 10.NOV.2017 07:45:19

30MHz~1GHz



Date: 10.NOV.2017 10:42:59

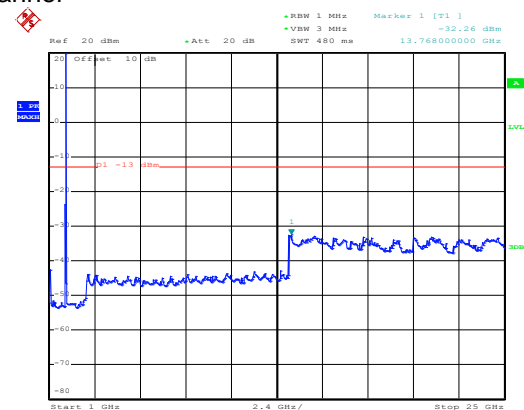
1GHz~25GHz



Date: 10.NOV.2017 07:46:42

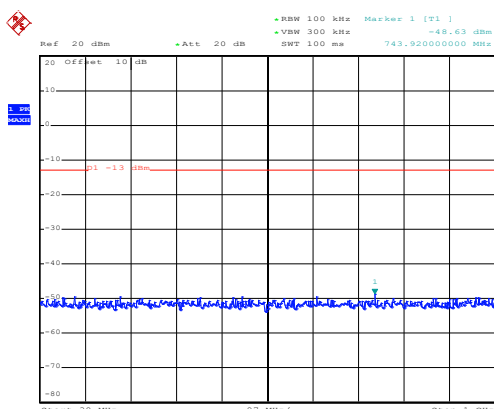
30MHz~1GHz

### Middle channel



Date: 10.NOV.2017 10:44:49

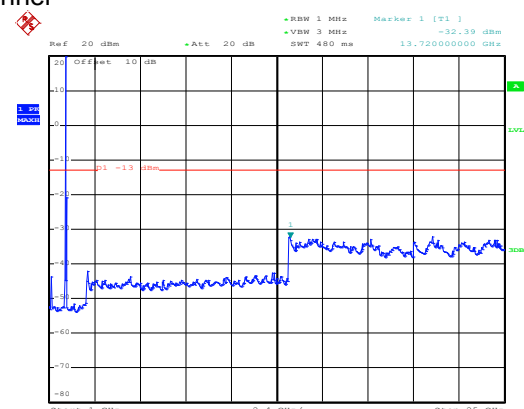
1GHz~25GHz



Date: 10.NOV.2017 07:46:58

30MHz~1GHz

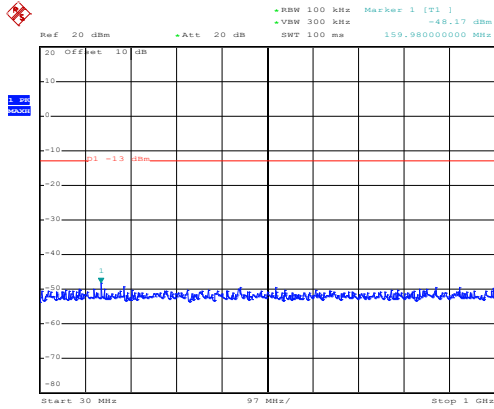
### High channel



Date: 10.NOV.2017 10:46:34

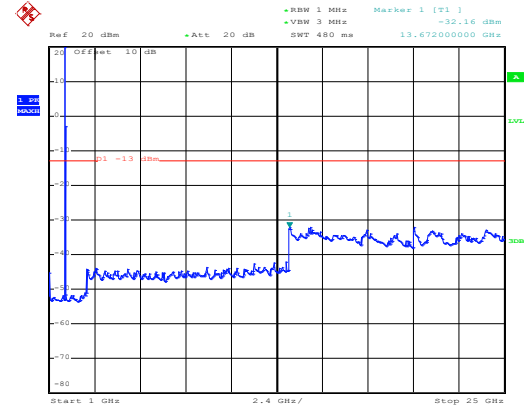
1GHz~25GHz

## 16 QAM & RB Size 36 Lowest channel



Date: 10.NOV.2017 07:45:37

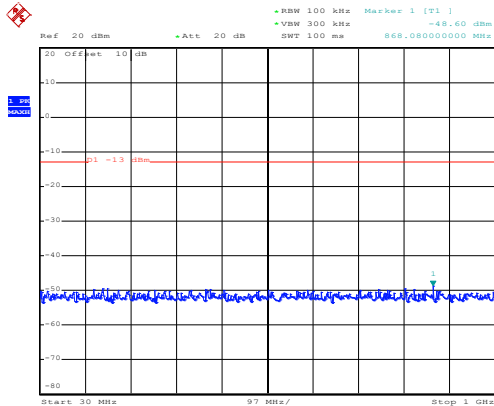
30MHz~1GHz



Date: 10.NOV.2017 10:43:34

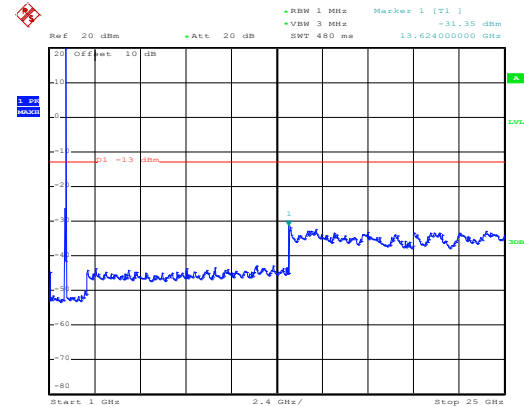
1GHz~25GHz

## Middle channel



Date: 10.NOV.2017 07:46:23

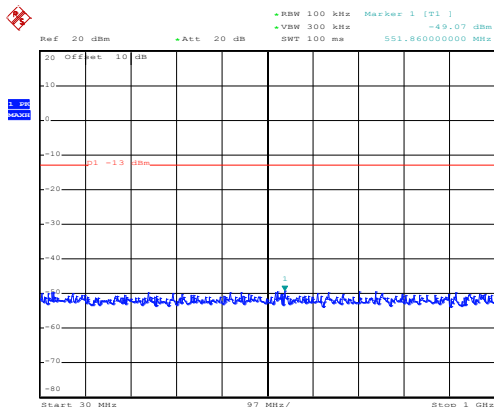
30MHz~1GHz



Date: 10.NOV.2017 10:45:24

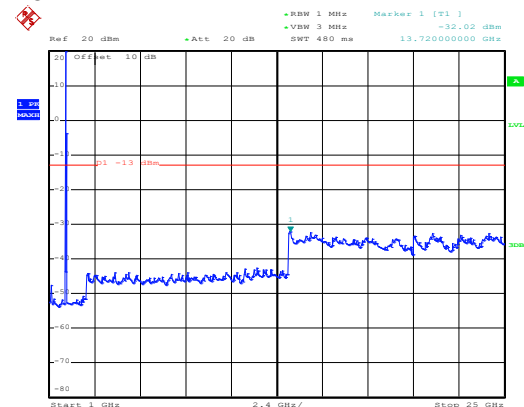
1GHz~25GHz

## High channel



Date: 10.NOV.2017 07:47:15

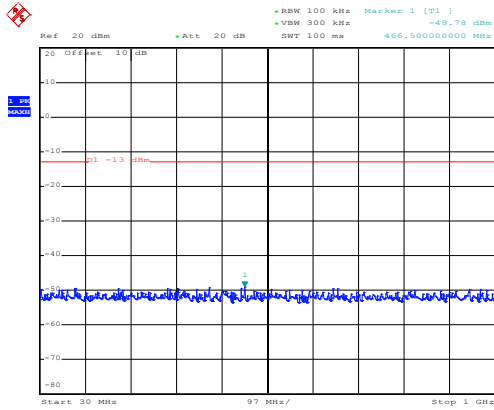
30MHz~1GHz



Date: 10.NOV.2017 10:47:08

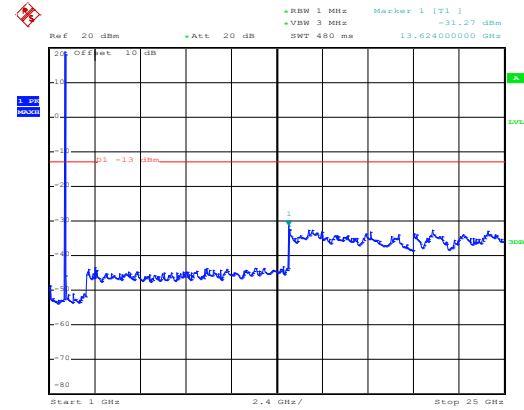
1GHz~25GHz

## 16 QAM & RB Size 75 Lowest channel



Date: 10.NOV.2017 07:45:53

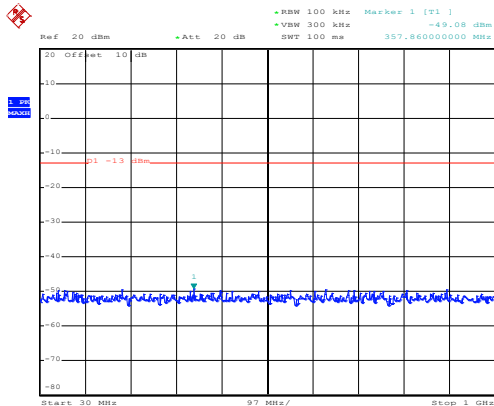
30MHz~1GHz



Date: 10.NOV.2017 10:44:01

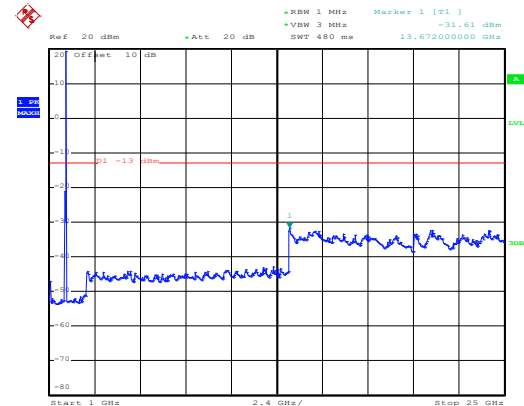
1GHz~25GHz

## Middle channel



Date: 10.NOV.2017 07:46:08

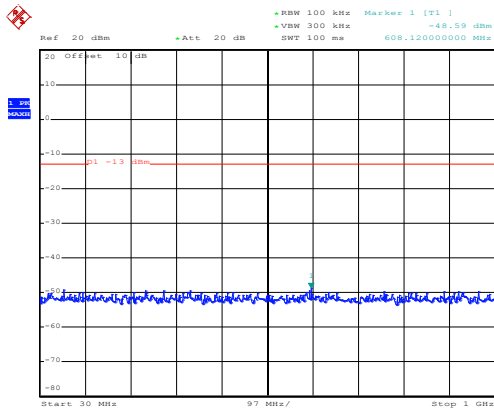
30MHz~1GHz



Date: 10.NOV.2017 10:45:54

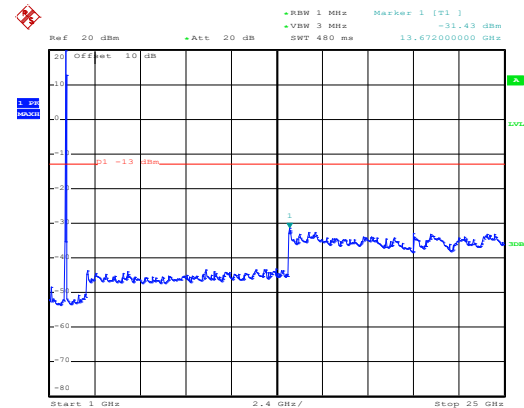
1GHz~25GHz

## High channel



Date: 10.NOV.2017 07:47:34

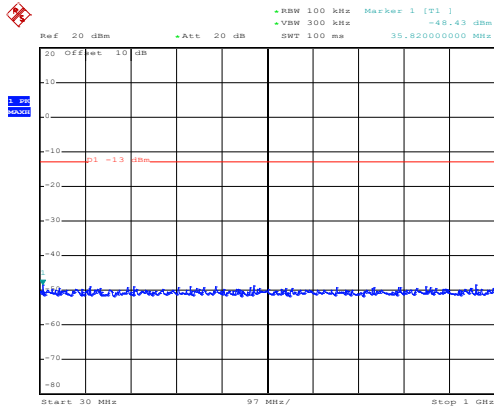
30MHz~1GHz



Date: 10.NOV.2017 10:47:38

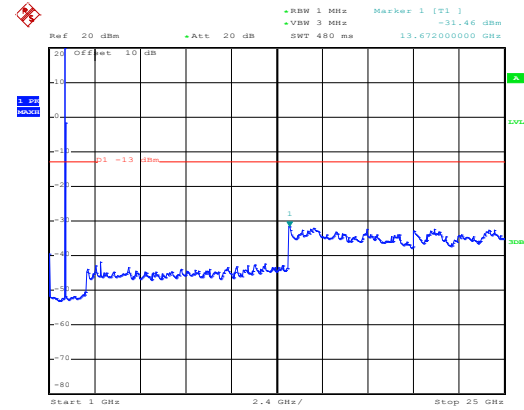
1GHz~25GHz

## QPSK & RB Size 1 Lowest channel



Date: 10.NOV.2017 07:45:14

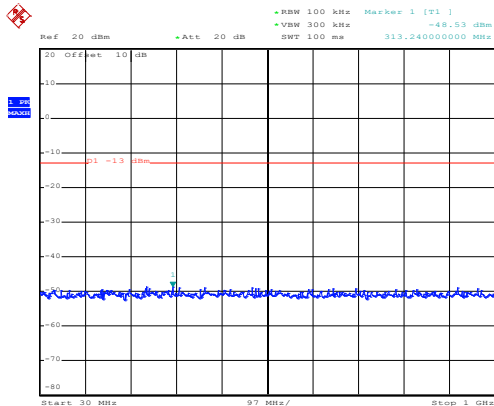
30MHz~1GHz



Date: 10.NOV.2017 10:42:47

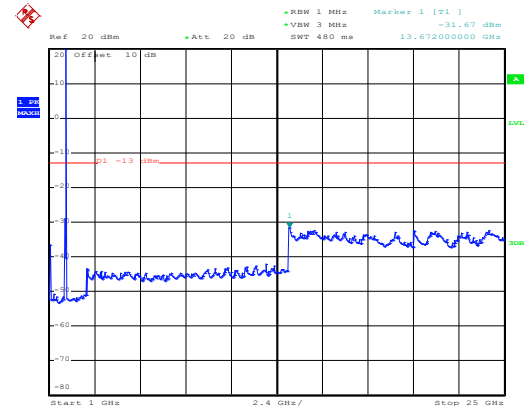
1GHz~25GHz

## Middle channel



Date: 10.NOV.2017 07:46:35

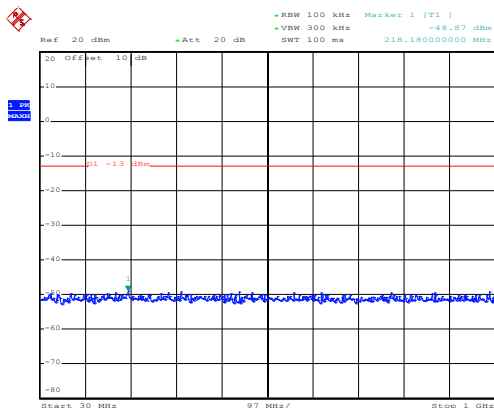
30MHz~1GHz



Date: 10.NOV.2017 10:44:36

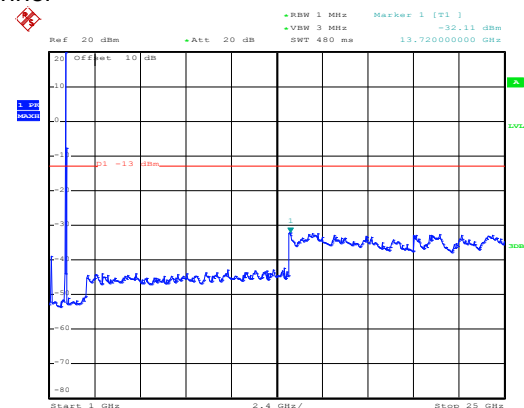
1GHz~25GHz

## High channel



Date: 10.NOV.2017 07:46:51

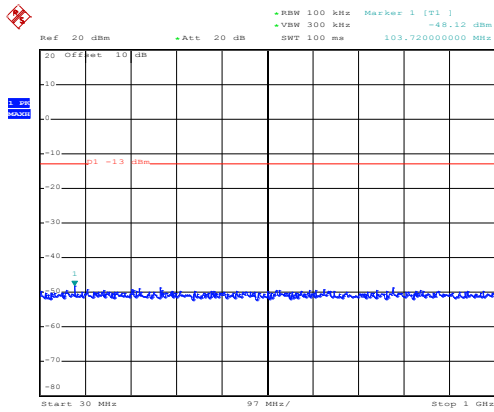
30MHz~1GHz



Date: 10.NOV.2017 10:46:22

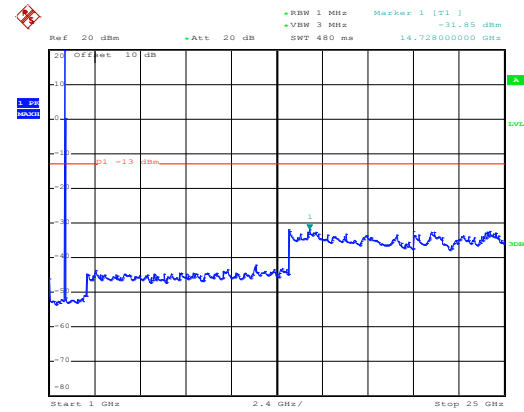
1GHz~25GHz

## QPSK & RB Size 36 Lowest channel



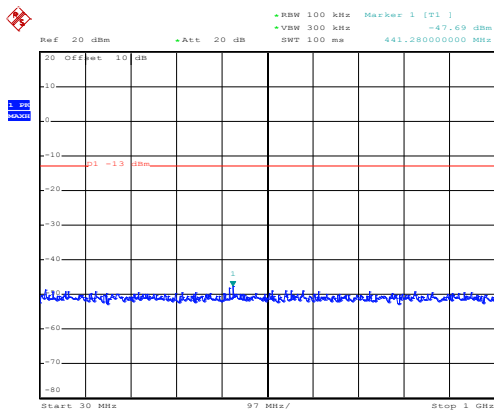
Date: 10.NOV.2017 07:45:32

30MHz~1GHz



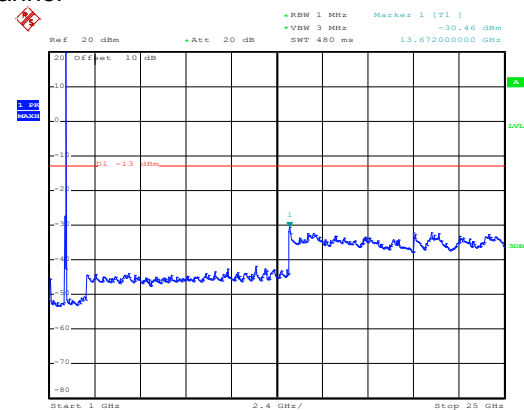
Date: 10.NOV.2017 10:43:21

1GHz~25GHz



Date: 10.NOV.2017 07:46:18

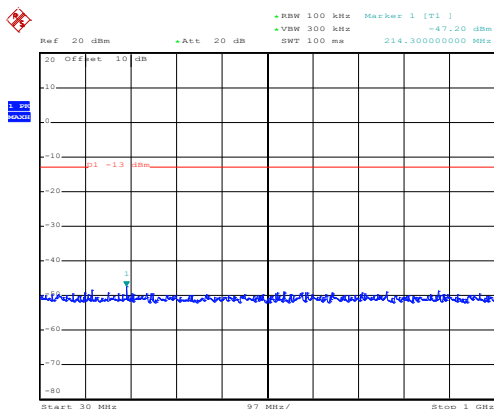
30MHz~1GHz



Date: 10.NOV.2017 10:45:09

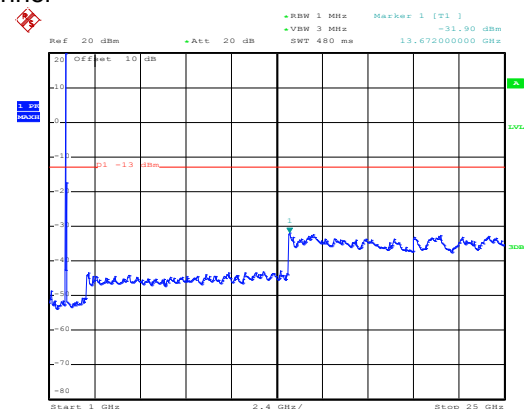
1GHz~25GHz

## High channel



Date: 10.NOV.2017 07:47:10

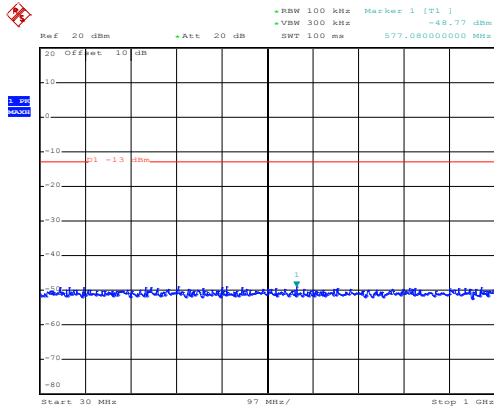
30MHz~1GHz



Date: 10.NOV.2017 10:46:55

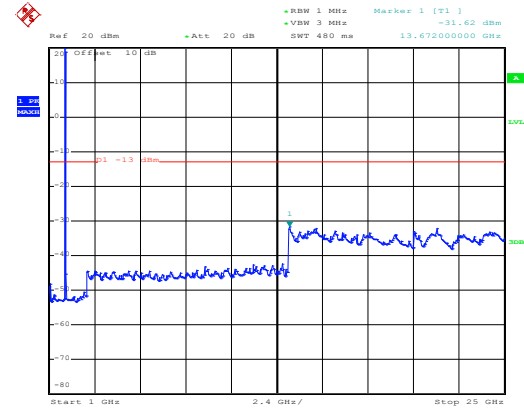
1GHz~25GHz

## QPSK & RB Size 75 Lowest channel



Date: 10.NOV.2017 07:45:49

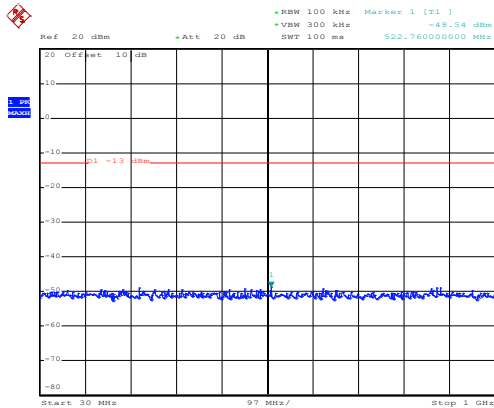
30MHz~1GHz



Date: 10.NOV.2017 10:43:51

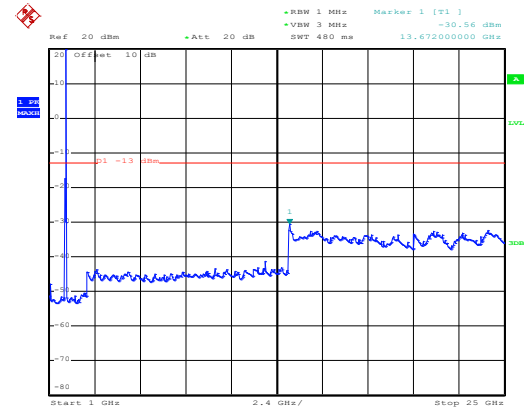
1GHz~25GHz

## Middle channel



Date: 10.NOV.2017 07:46:04

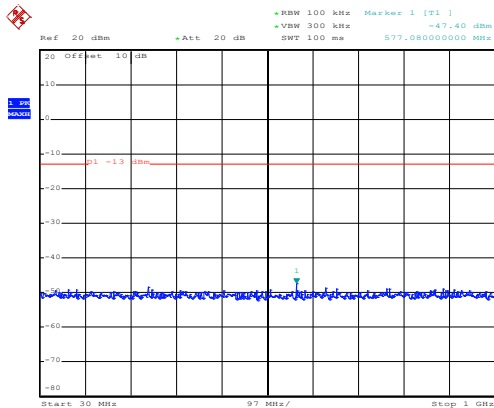
30MHz~1GHz



Date: 10.NOV.2017 10:45:42

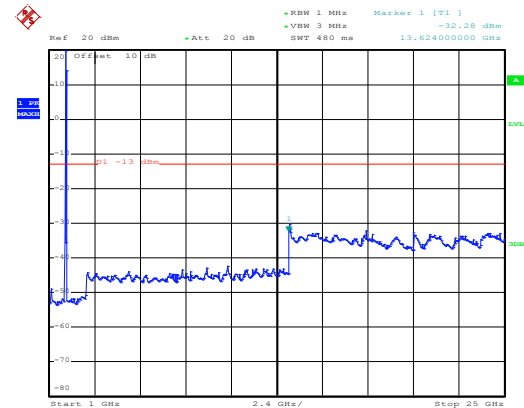
1GHz~25GHz

## High channel



Date: 10.NOV.2017 07:47:29

30MHz~1GHz

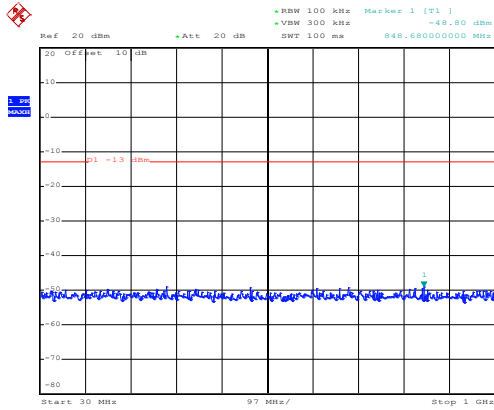


Date: 10.NOV.2017 10:47:26

1GHz~25GHz

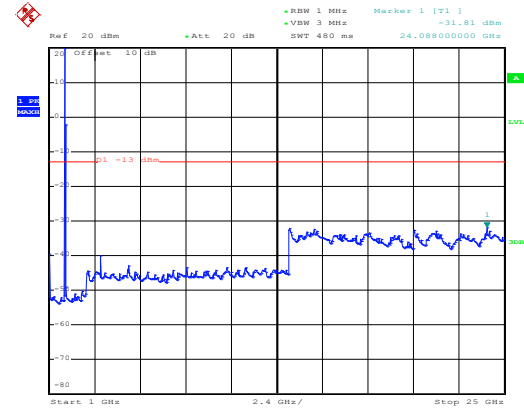
**20MHz**

**16 QAM & RB Size 1  
Lowest channel**



Date: 10.NOV.2017 07:47:56

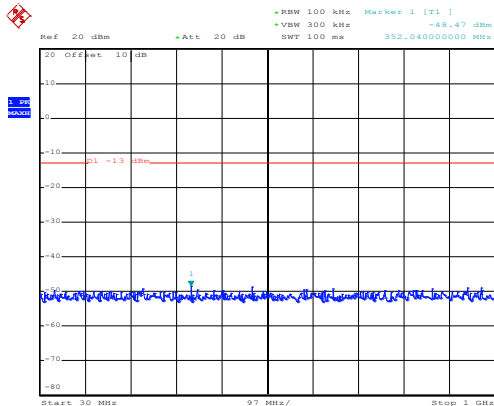
30MHz~1GHz



Date: 10.NOV.2017 10:49:00

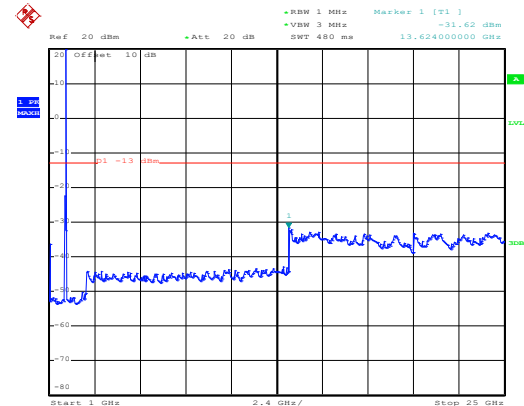
1GHz~25GHz

**Middle channel**



Date: 10.NOV.2017 07:49:47

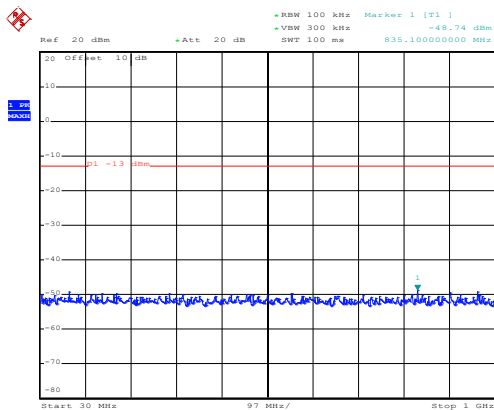
30MHz~1GHz



Date: 10.NOV.2017 10:51:09

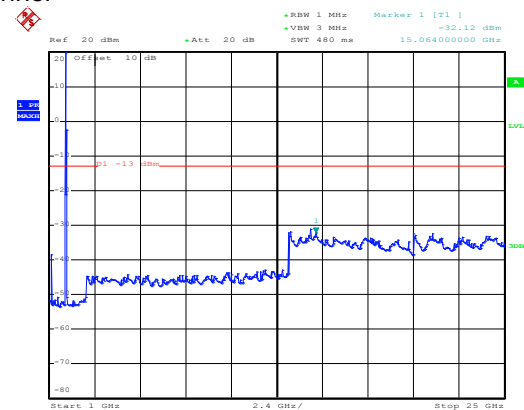
1GHz~25GHz

**High channel**



Date: 10.NOV.2017 07:50:03

30MHz~1GHz

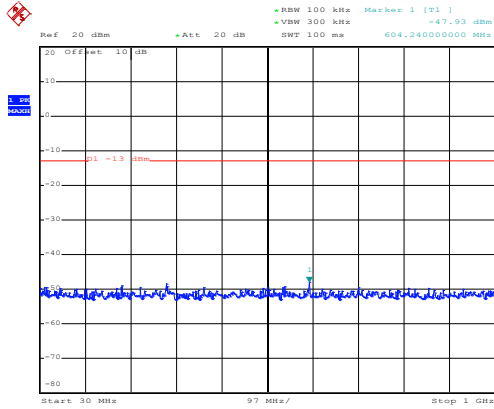


Date: 10.NOV.2017 10:52:46

1GHz~25GHz

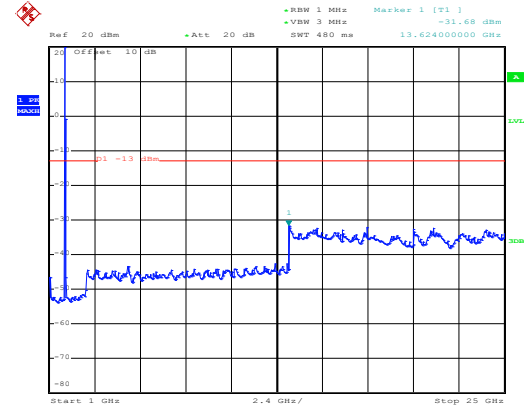


## 16 QAM & RB Size 50 Lowest channel



Date: 10.NOV.2017 07:48:13

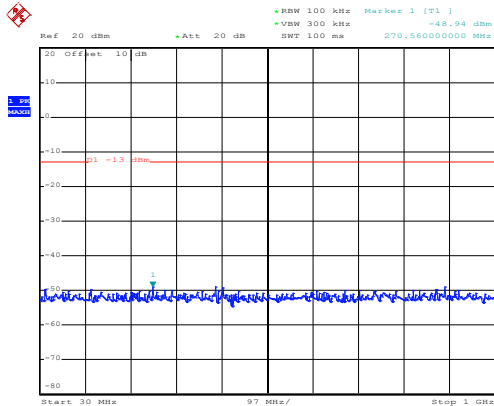
30MHz~1GHz



Date: 10.NOV.2017 10:49:33

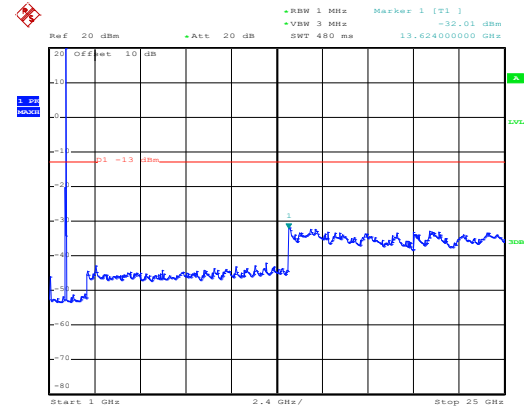
1GHz~25GHz

## Middle channel



Date: 10.NOV.2017 07:49:30

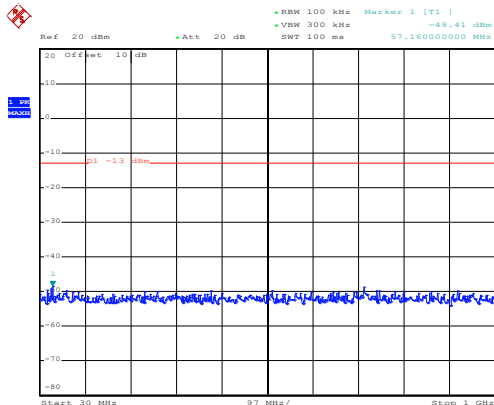
30MHz~1GHz



Date: 10.NOV.2017 10:51:42

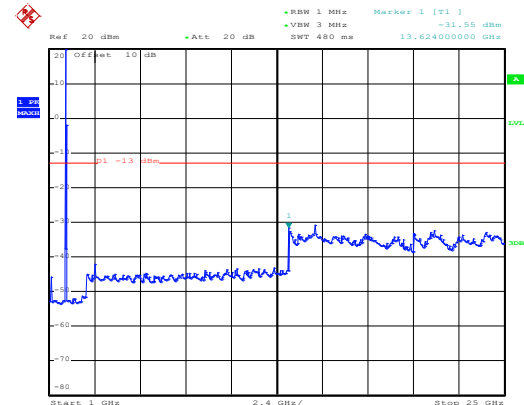
1GHz~25GHz

## High channel



Date: 10.NOV.2017 07:50:34

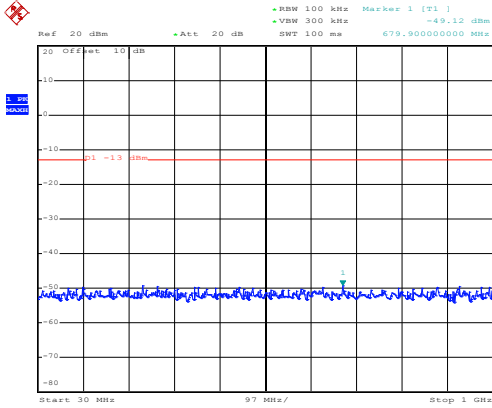
30MHz~1GHz



Date: 10.NOV.2017 10:53:21

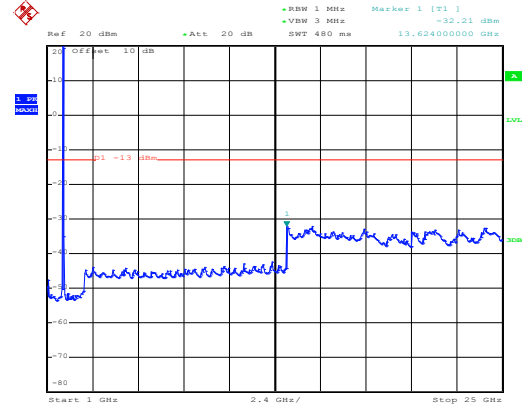
1GHz~25GHz

## 16 QAM & RB Size 100 Lowest channel



Date: 10.NOV.2017 07:48:31

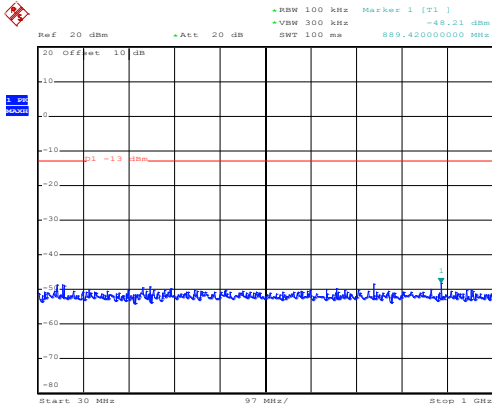
30MHz~1GHz



Date: 10.NOV.2017 10:50:30

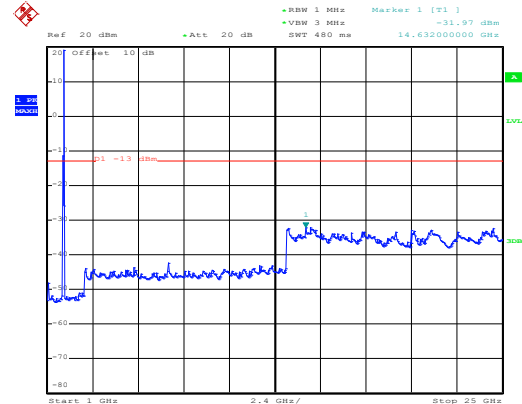
1GHz~25GHz

## Middle channel



Date: 10.NOV.2017 07:48:48

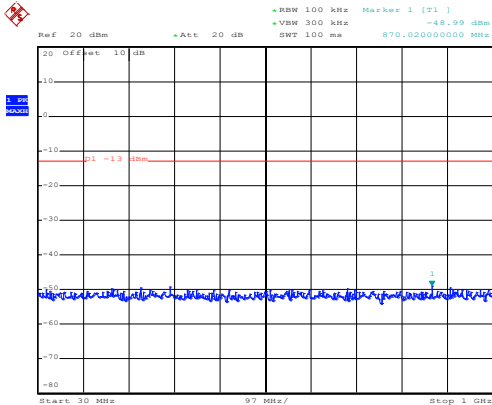
30MHz~1GHz



Date: 10.NOV.2017 10:52:09

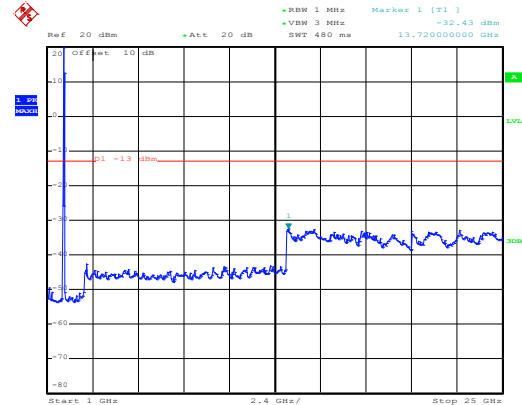
1GHz~25GHz

## High channel



Date: 10.NOV.2017 07:50:50

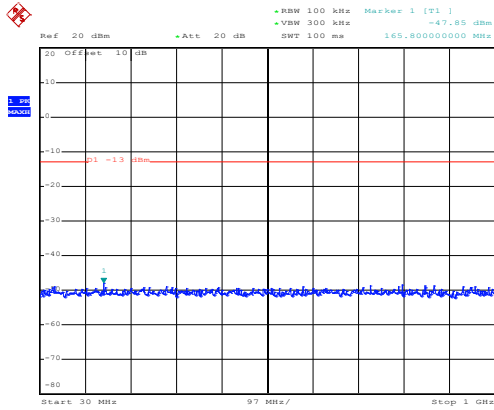
30MHz~1GHz



Date: 10.NOV.2017 10:53:50

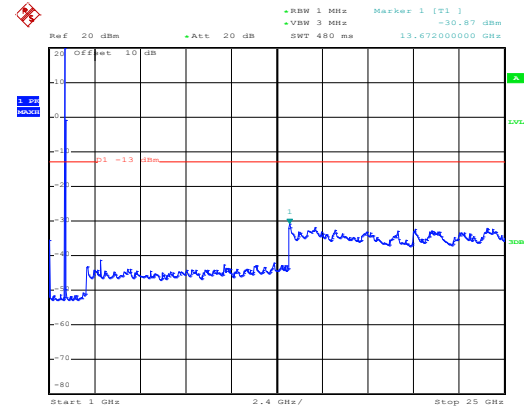
1GHz~25GHz

## QPSK & RB Size 1 Lowest channel



Date: 10.NOV.2017 07:47:50

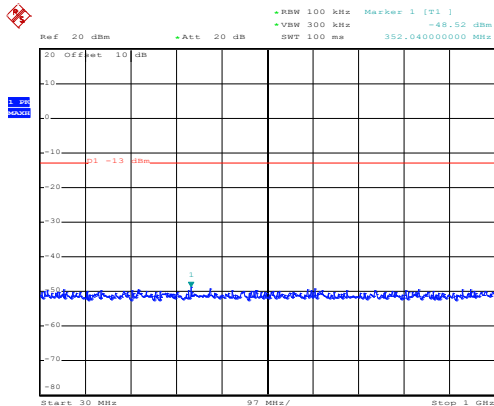
30MHz~1GHz



Date: 10.NOV.2017 10:48:46

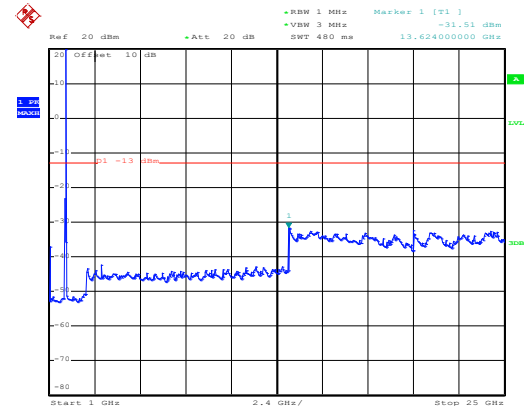
1GHz~25GHz

## Middle channel



Date: 10.NOV.2017 07:49:40

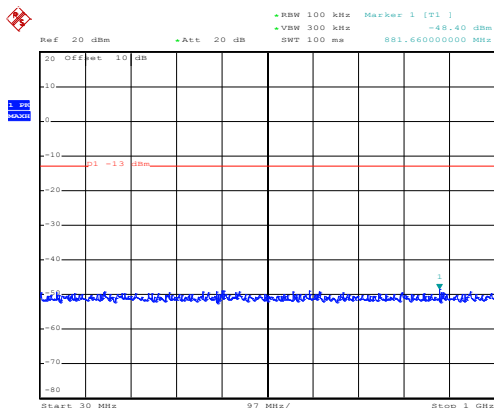
30MHz~1GHz



Date: 10.NOV.2017 10:50:56

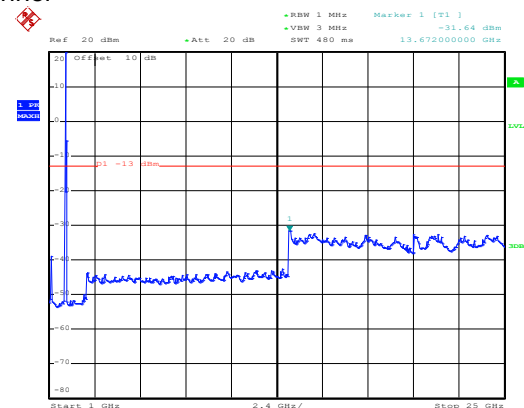
1GHz~25GHz

## High channel



Date: 10.NOV.2017 07:49:58

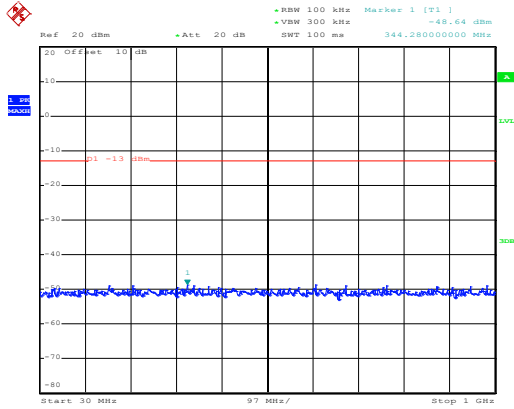
30MHz~1GHz



Date: 10.NOV.2017 10:52:34

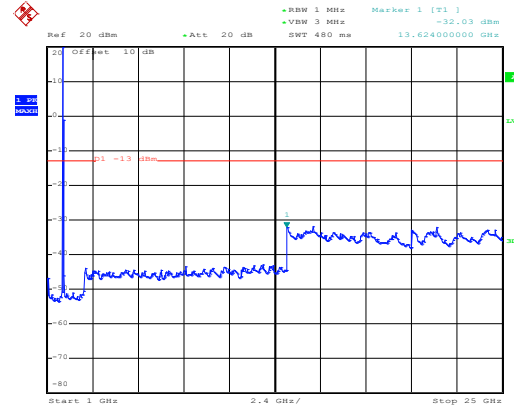
1GHz~25GHz

## QPSK & RB Size 50 Lowest channel



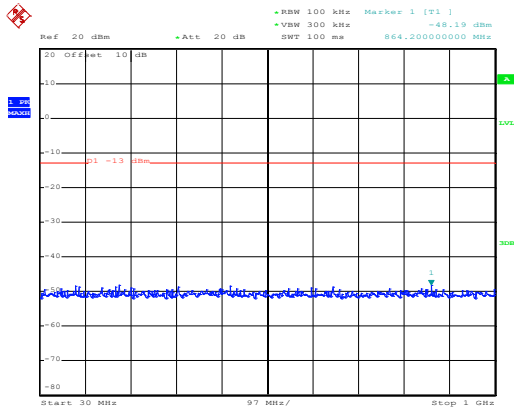
Date: 10.NOV.2017 07:48:07

30MHz~1GHz



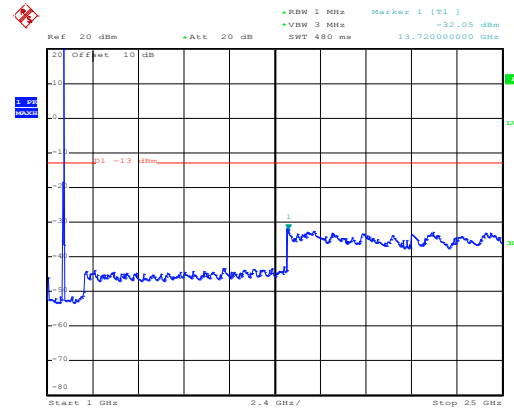
Date: 10.NOV.2017 10:49:21

1GHz~25GHz



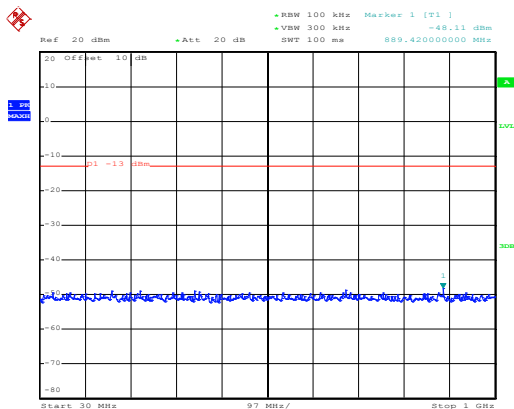
Date: 10.NOV.2017 07:49:25

30MHz~1GHz



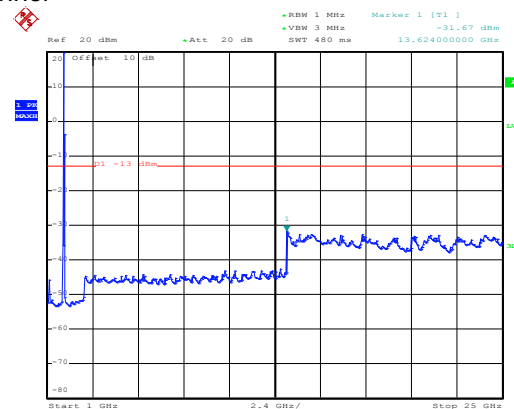
Date: 10.NOV.2017 10:51:28

1GHz~25GHz



Date: 10.NOV.2017 07:50:30

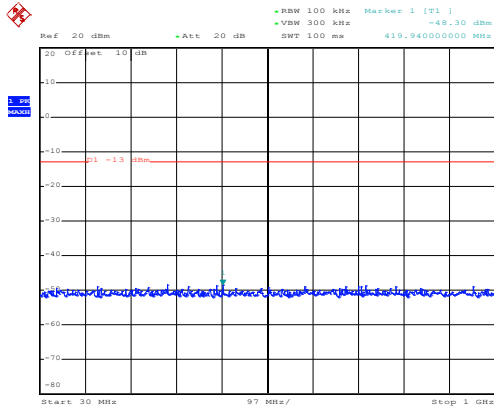
30MHz~1GHz



Date: 10.NOV.2017 10:53:05

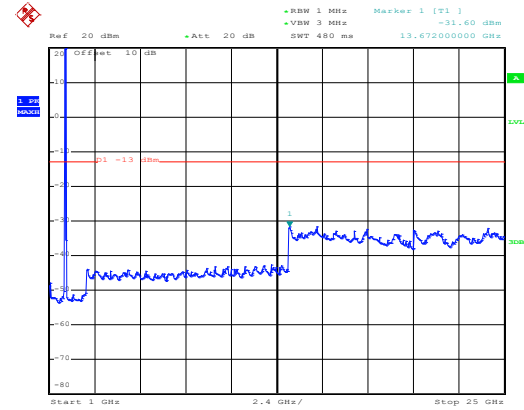
1GHz~25GHz

## QPSK & RB Size 100 Lowest channel



Date: 10.NOV.2017 07:48:26

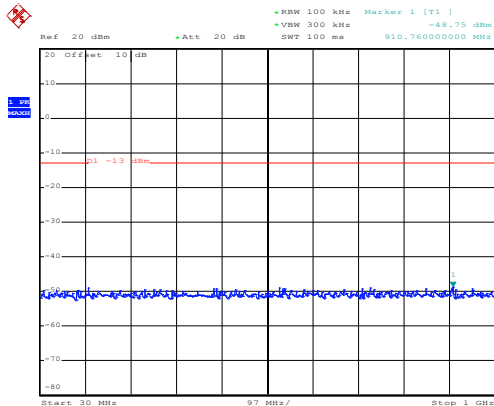
30MHz~1GHz



Date: 10.NOV.2017 10:50:17

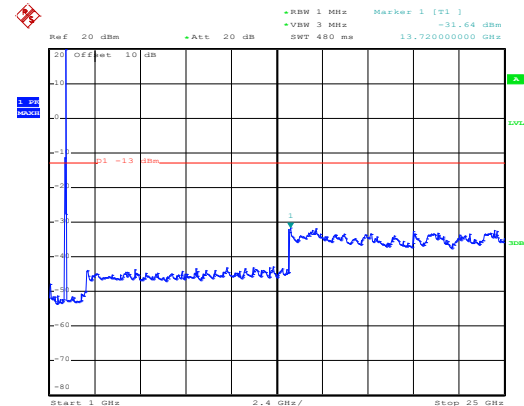
1GHz~25GHz

## Middle channel



Date: 10.NOV.2017 07:48:43

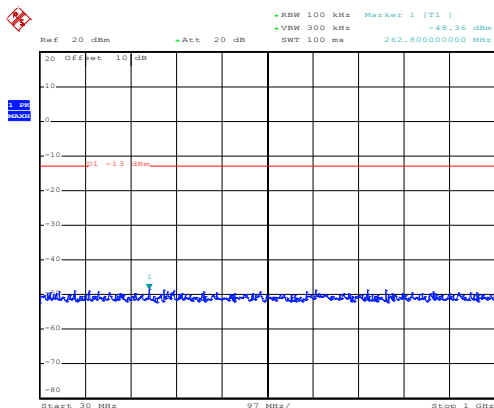
30MHz~1GHz



Date: 10.NOV.2017 10:51:58

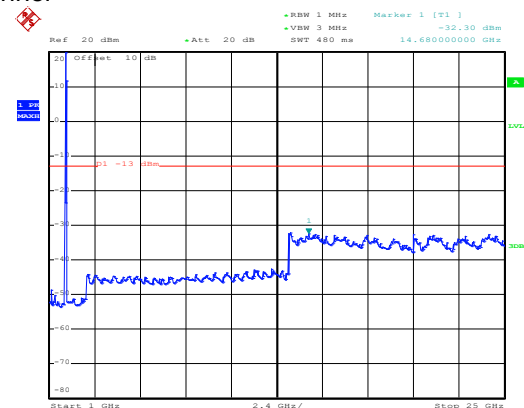
1GHz~25GHz

## High channel



Date: 10.NOV.2017 07:50:45

30MHz~1GHz

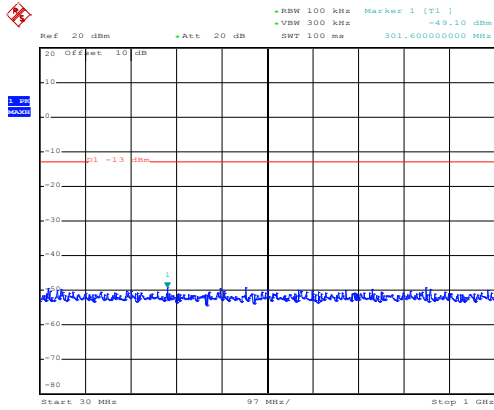


Date: 10.NOV.2017 10:53:39

1GHz~25GHz

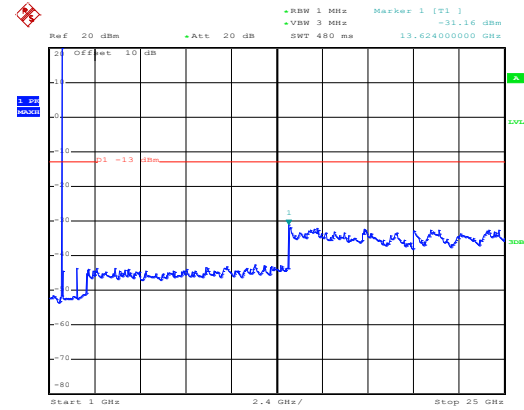
**LTE band 4, 1.4MHz**

**16 QAM & RB Size 1  
Lowest channel**



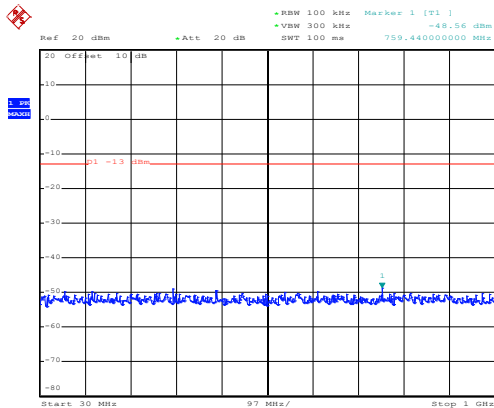
Date: 10.NOV.2017 07:51:18

**30MHz~1GHz**



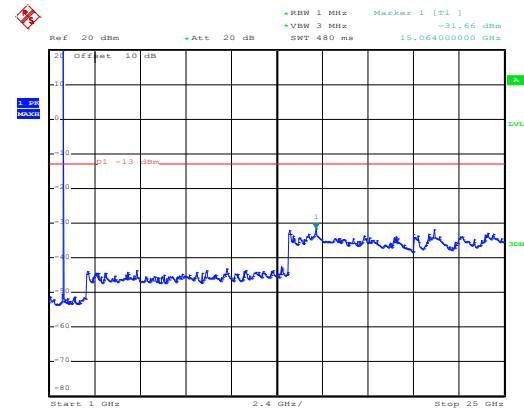
Date: 10.NOV.2017 11:13:02

**1GHz~25GHz**



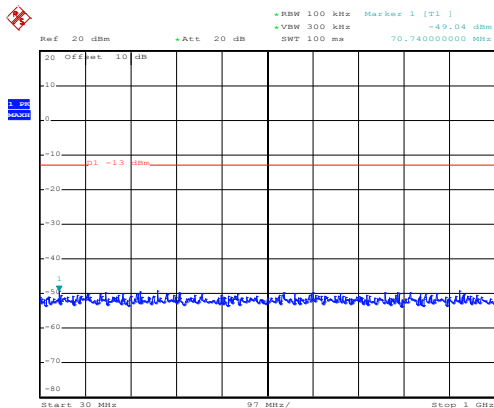
Date: 10.NOV.2017 07:52:06

**30MHz~1GHz**



Date: 10.NOV.2017 11:14:33

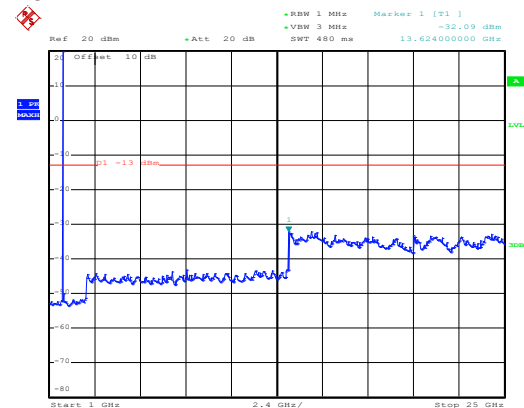
**1GHz~25GHz**



Date: 10.NOV.2017 07:53:03

**30MHz~1GHz**

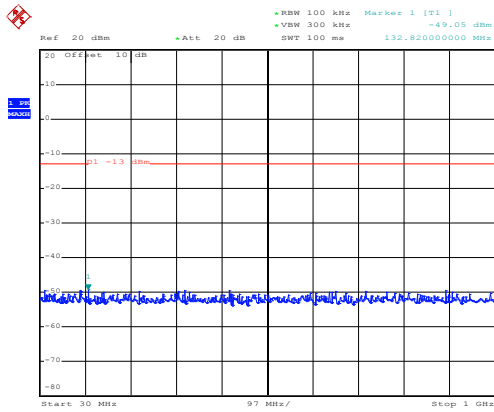
**High channel**



Date: 10.NOV.2017 11:16:09

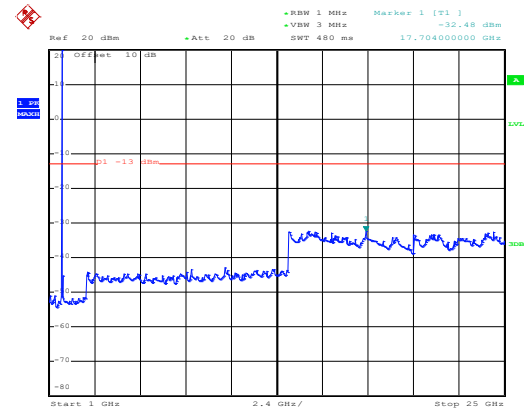
**1GHz~25GHz**

## 16 QAM & RB Size 3 Lowest channel



Date: 10.NOV.2017 07:51:34

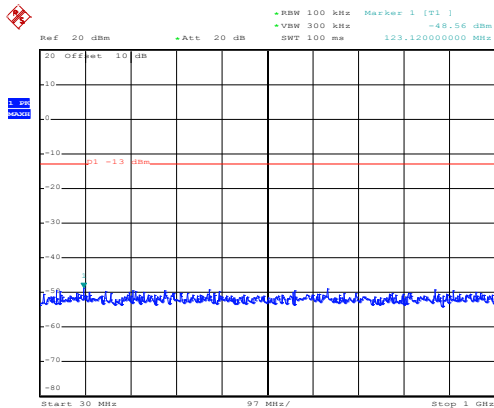
30MHz~1GHz



Date: 10.NOV.2017 11:13:34

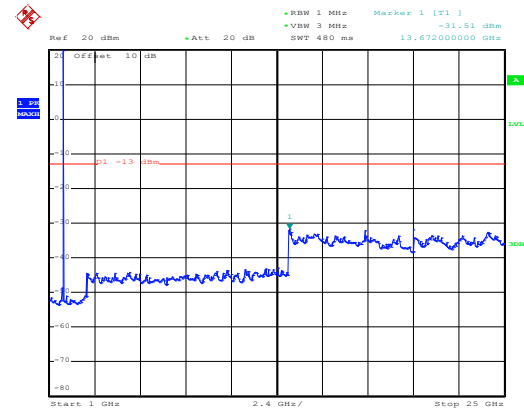
1GHz~25GHz

## Middle channel



Date: 10.NOV.2017 07:52:21

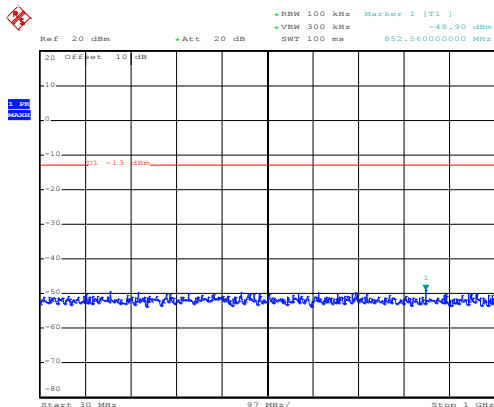
30MHz~1GHz



Date: 10.NOV.2017 11:15:07

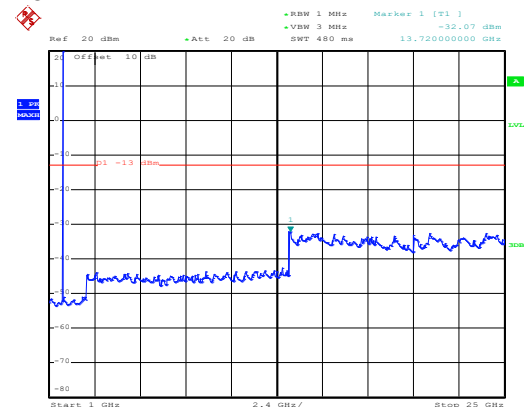
1GHz~25GHz

## High channel



Date: 10.NOV.2017 07:53:19

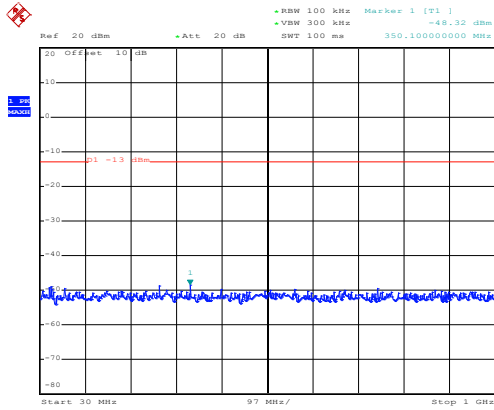
30MHz~1GHz



Date: 10.NOV.2017 11:16:42

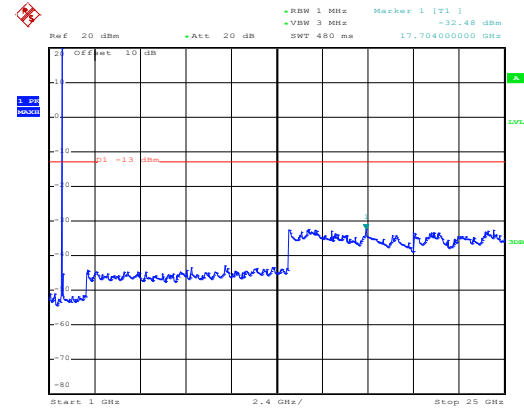
1GHz~25GHz

## 16 QAM & RB Size 6 Lowest channel



Date: 10.NOV.2017 07:51:49

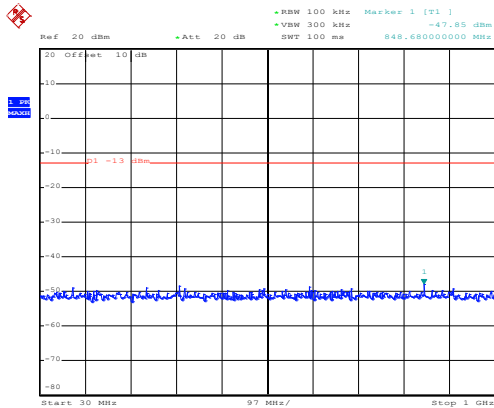
30MHz~1GHz



Date: 10.NOV.2017 11:13:34

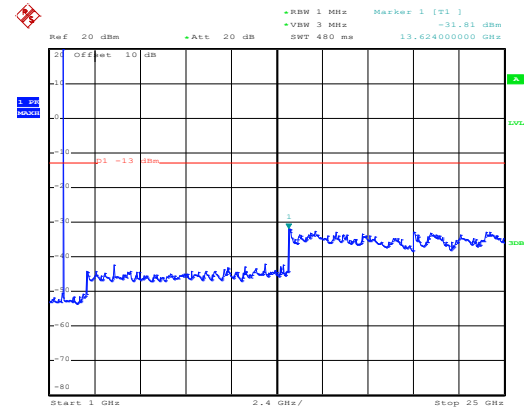
1GHz~25GHz

## Middle channel



Date: 10.NOV.2017 07:52:40

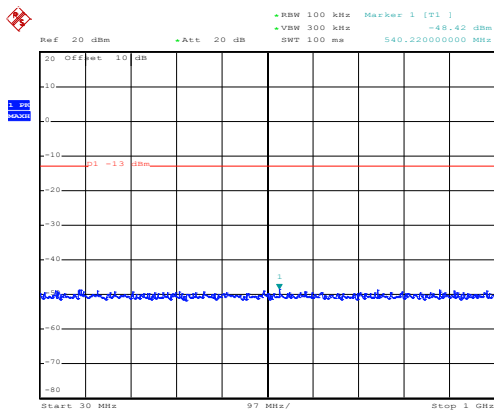
30MHz~1GHz



Date: 10.NOV.2017 11:15:33

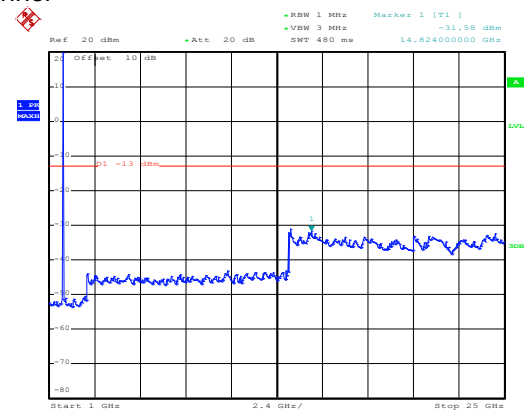
1GHz~25GHz

## High channel



Date: 10.NOV.2017 08:07:10

30MHz~1GHz

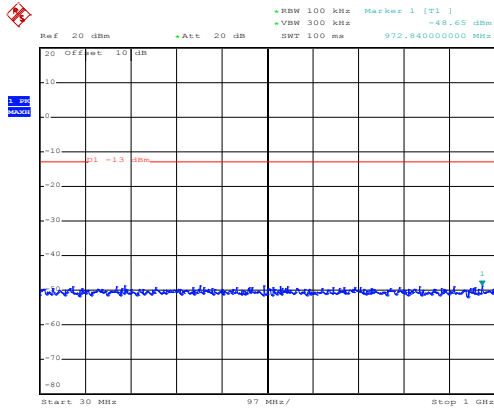


Date: 10.NOV.2017 11:17:12

1GHz~25GHz

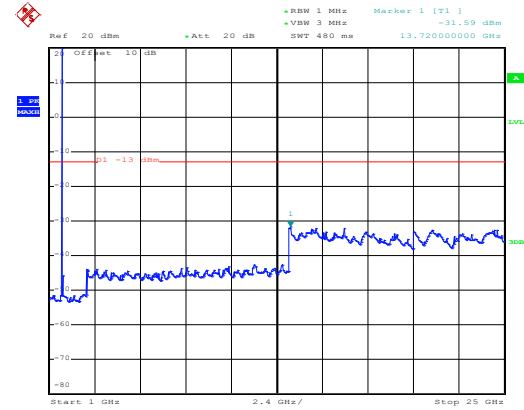


## QPSK & RB Size 1 Lowest channel



Date: 10.NOV.2017 07:51:13

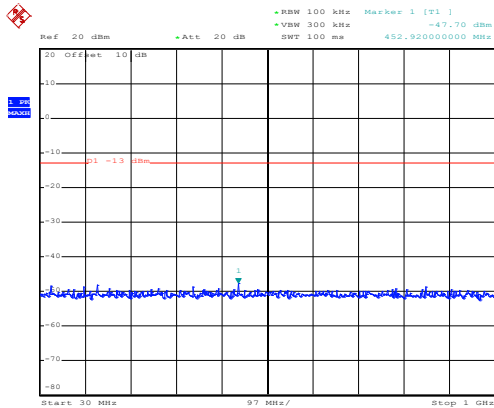
30MHz~1GHz



Date: 10.NOV.2017 11:12:32

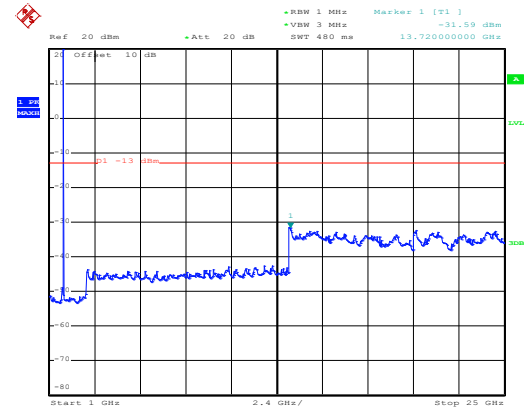
1GHz~25GHz

## Middle channel



Date: 10.NOV.2017 07:52:01

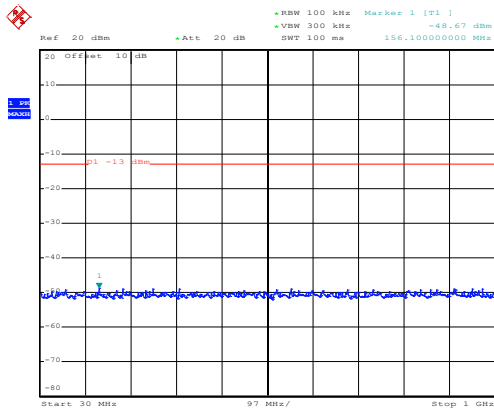
30MHz~1GHz



Date: 10.NOV.2017 11:14:23

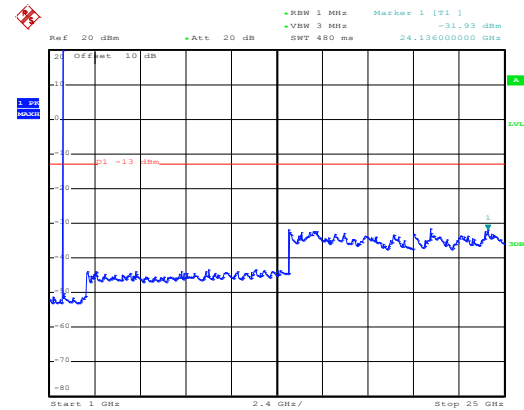
1GHz~25GHz

## High channel



Date: 10.NOV.2017 07:52:59

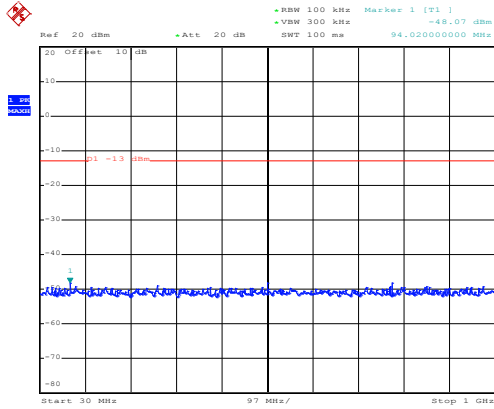
30MHz~1GHz



Date: 10.NOV.2017 11:15:57

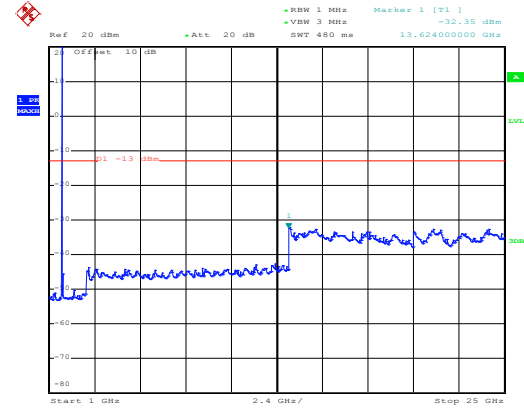
1GHz~25GHz

## QPSK & RB Size 3 Lowest channel



Date: 10.NOV.2017 07:51:29

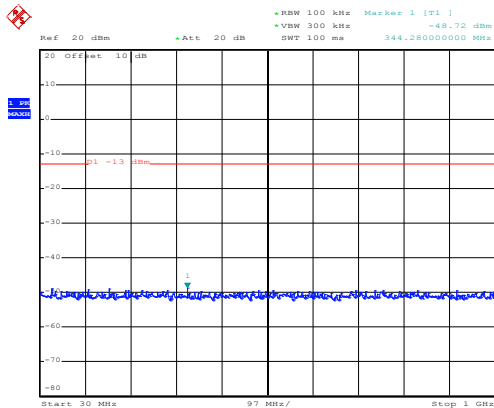
30MHz~1GHz



Date: 10.NOV.2017 11:13:21

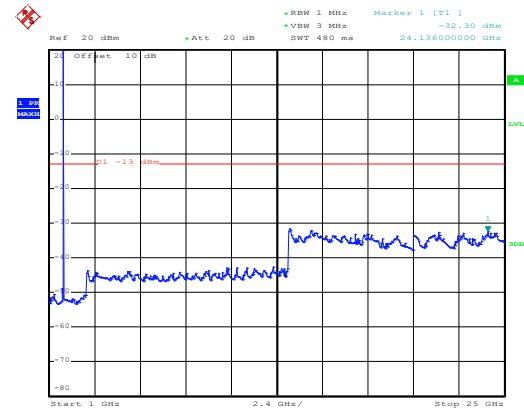
1GHz~25GHz

## Middle channel



Date: 10.NOV.2017 07:52:16

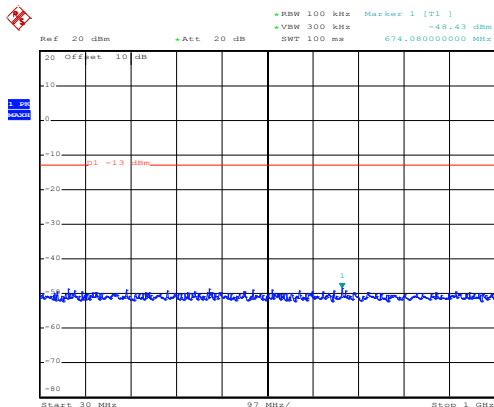
30MHz~1GHz



Date: 10.NOV.2017 11:14:54

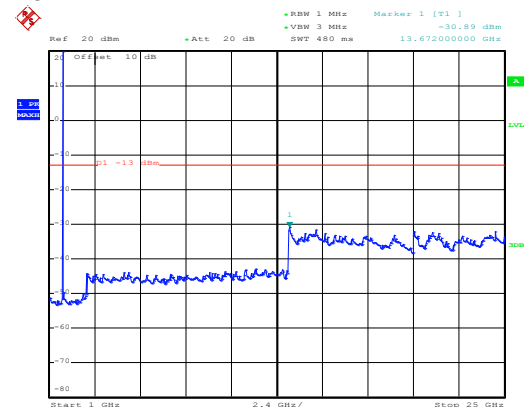
1GHz~25GHz

## High channel



Date: 10.NOV.2017 07:53:14

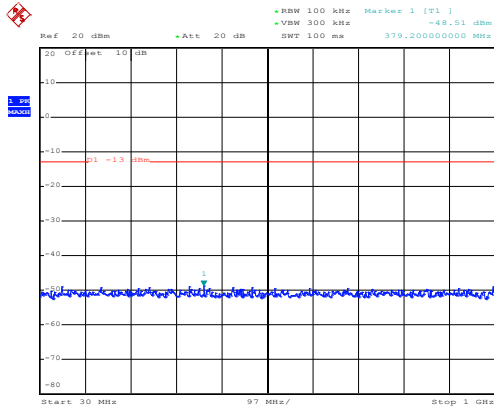
30MHz~1GHz



Date: 10.NOV.2017 11:16:28

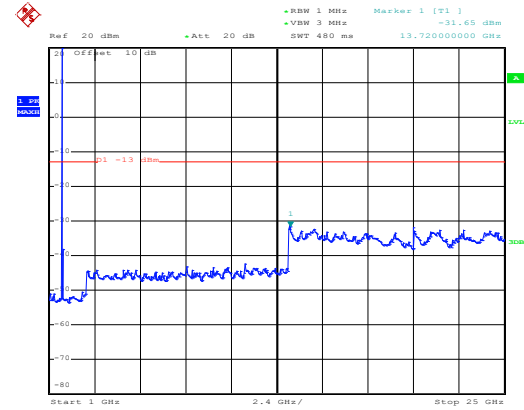
1GHz~25GHz

## QPSK & RB Size 6 Lowest channel



Date: 10.NOV.2017 07:51:44

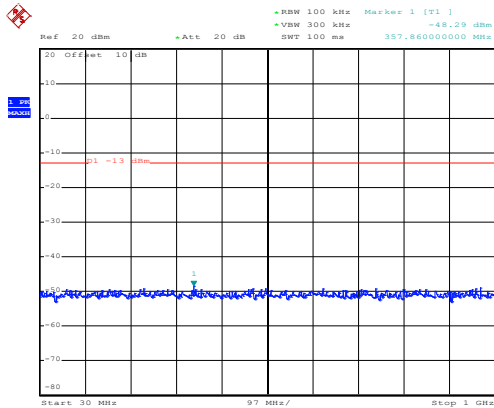
30MHz~1GHz



Date: 10.NOV.2017 11:13:49

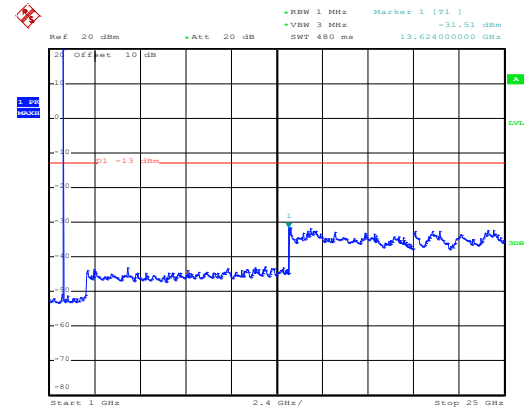
1GHz~25GHz

## Middle channel



Date: 10.NOV.2017 07:52:32

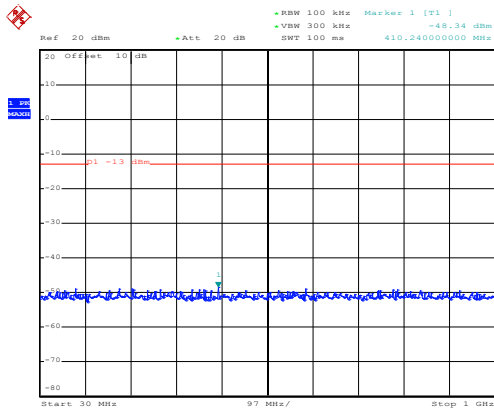
30MHz~1GHz



Date: 10.NOV.2017 11:15:22

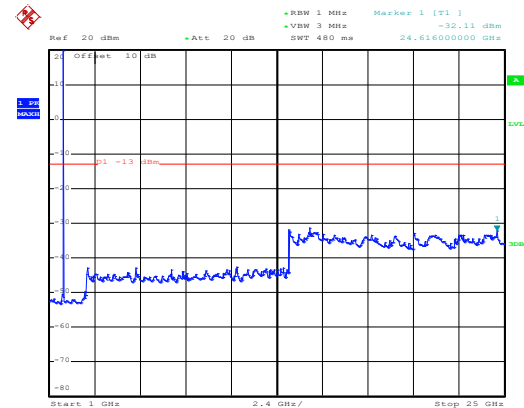
1GHz~25GHz

## High channel



Date: 10.NOV.2017 07:53:28

30MHz~1GHz

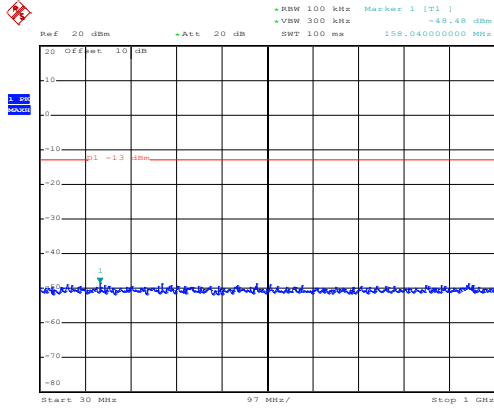


Date: 10.NOV.2017 11:16:59

1GHz~25GHz

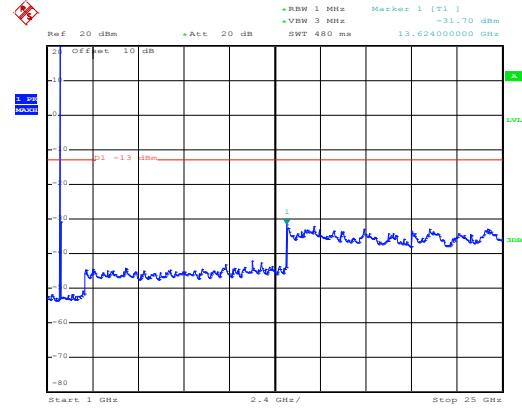
## 3MHz

### 16 QAM & RB Size 1 Lowest channel



Date: 10.NOV.2017 08:11:03

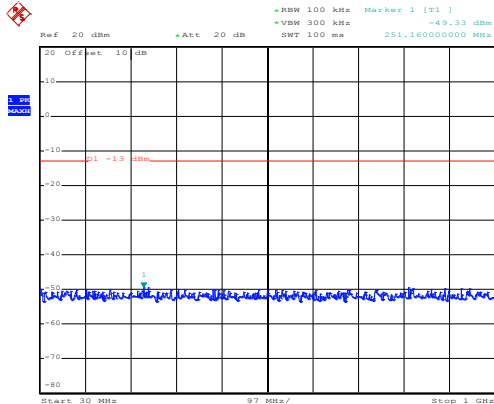
30MHz~1GHz



Date: 10.NOV.2017 11:18:32

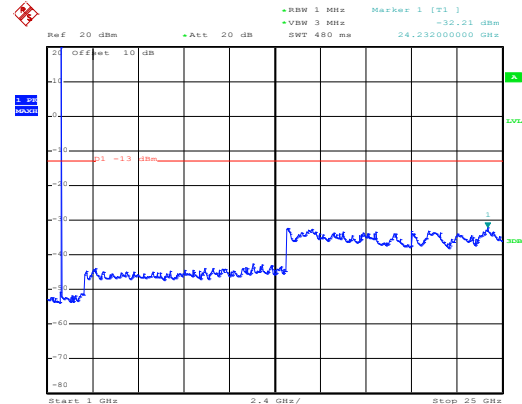
1GHz~25GHz

### Middle channel



Date: 10.NOV.2017 08:12:35

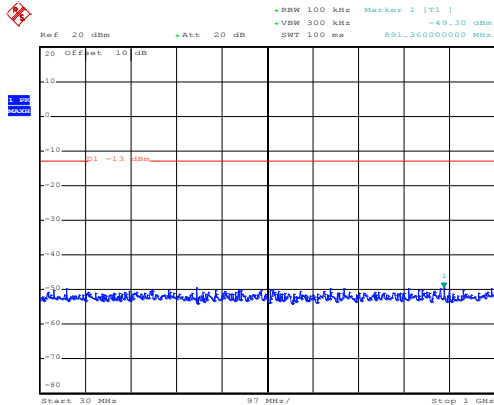
30MHz~1GHz



Date: 10.NOV.2017 11:20:05

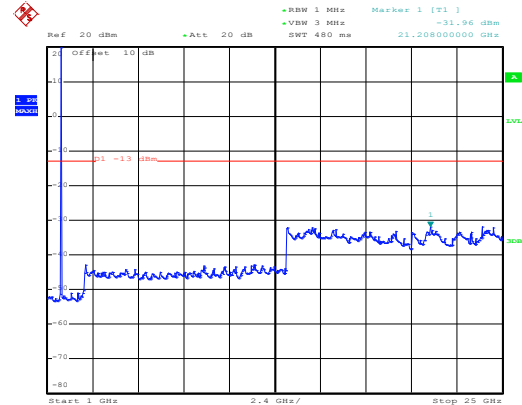
1GHz~25GHz

### High channel



Date: 10.NOV.2017 08:13:00

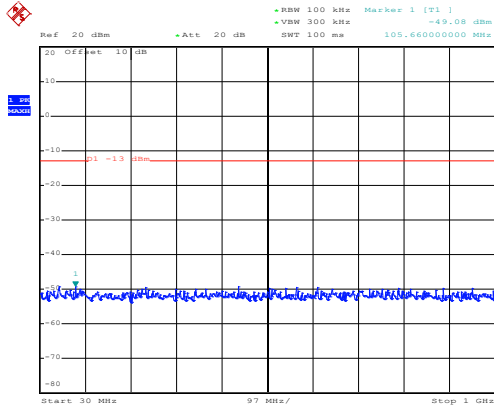
30MHz~1GHz



Date: 10.NOV.2017 11:21:51

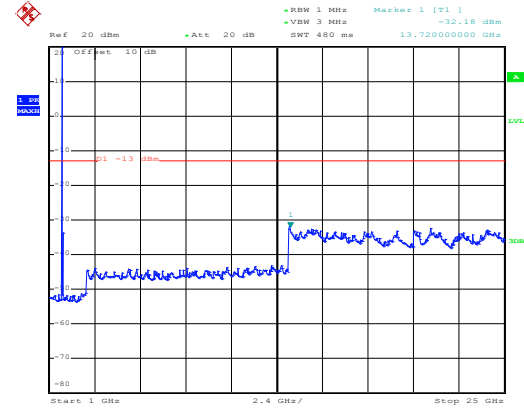
1GHz~25GHz

## 16 QAM & RB Size 8 Lowest channel



Date: 10.NOV.2017 08:11:23

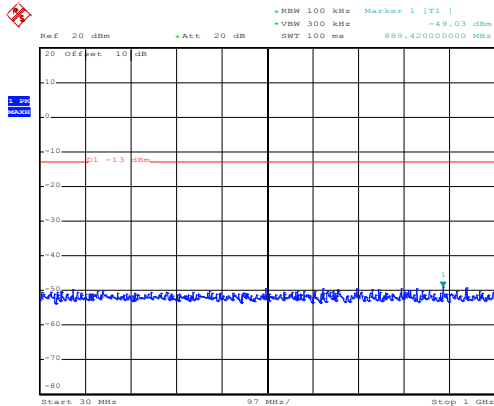
30MHz~1GHz



Date: 10.NOV.2017 11:19:05

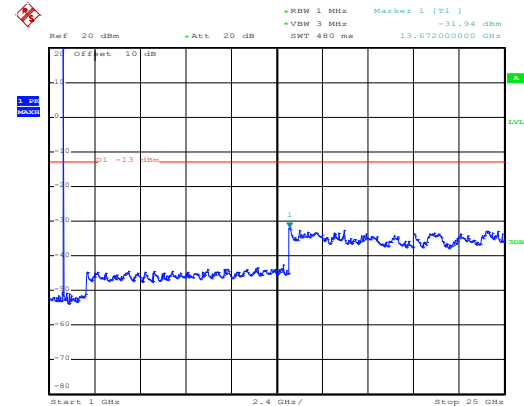
1GHz~25GHz

## Middle channel



Date: 10.NOV.2017 08:12:21

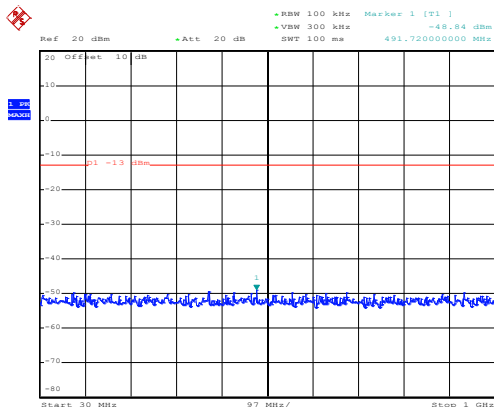
30MHz~1GHz



Date: 10.NOV.2017 11:20:34

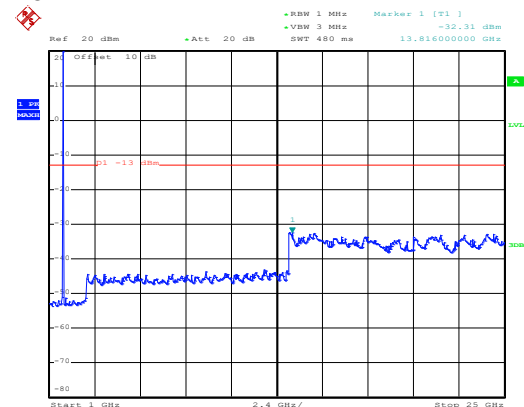
1GHz~25GHz

## High channel



Date: 10.NOV.2017 08:13:15

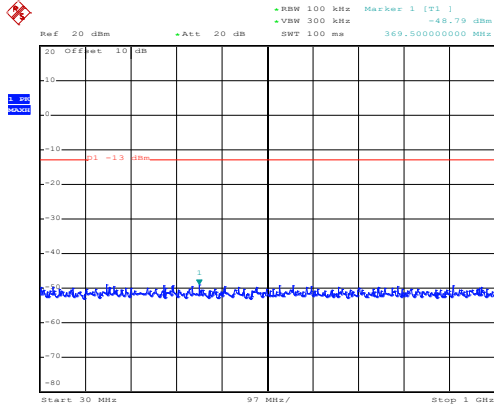
30MHz~1GHz



Date: 10.NOV.2017 11:22:34

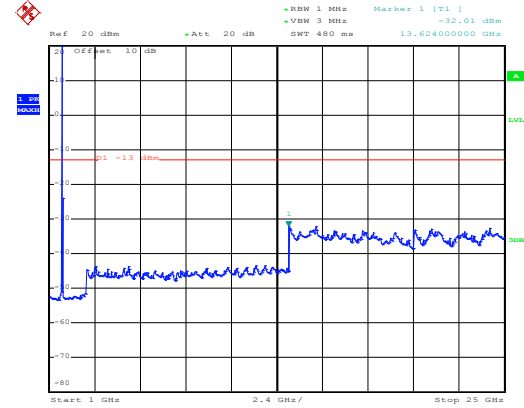
1GHz~25GHz

## 16 QAM & RB Size 15 Lowest channel



Date: 10.NOV.2017 08:11:43

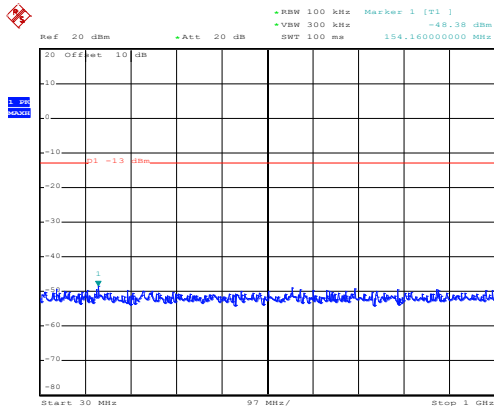
30MHz~1GHz



Date: 10.NOV.2017 11:19:30

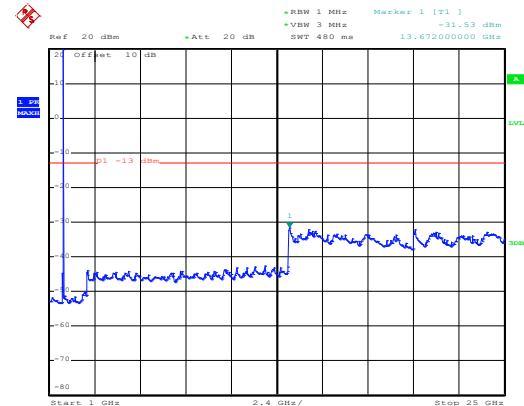
1GHz~25GHz

## Middle channel



Date: 10.NOV.2017 08:12:00

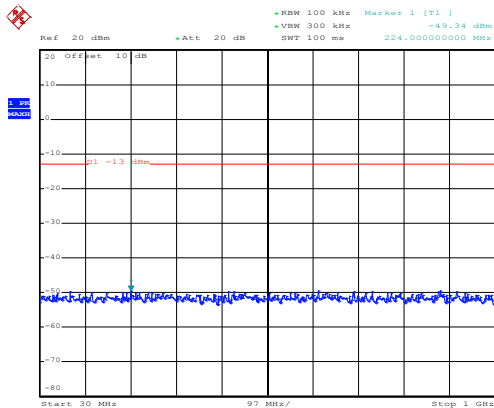
30MHz~1GHz



Date: 10.NOV.2017 11:21:08

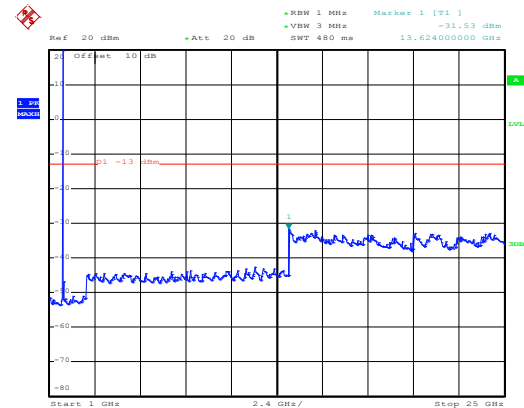
1GHz~25GHz

## High channel



Date: 10.NOV.2017 08:13:32

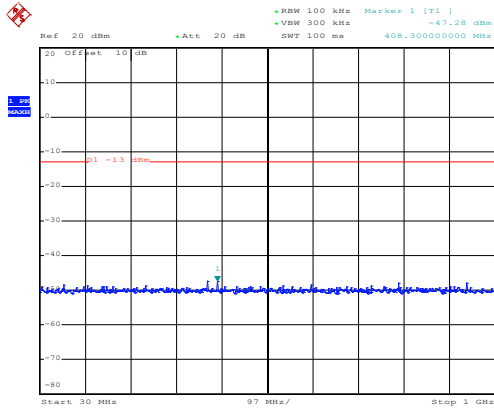
30MHz~1GHz



Date: 10.NOV.2017 11:23:04

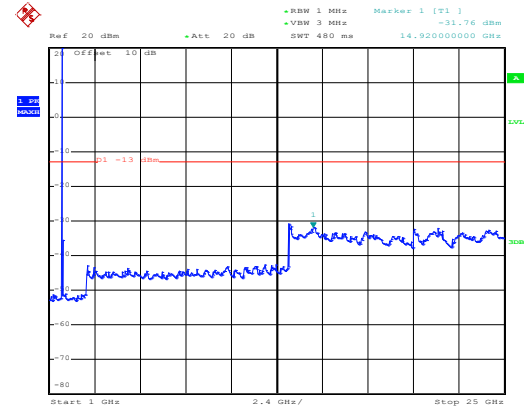
1GHz~25GHz

## QPSK & RB Size 1 Lowest channel



Date: 10.NOV.2017 08:10:44

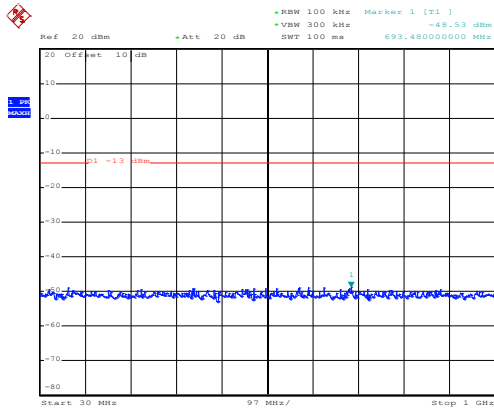
30MHz~1GHz



Date: 10.NOV.2017 11:18:14

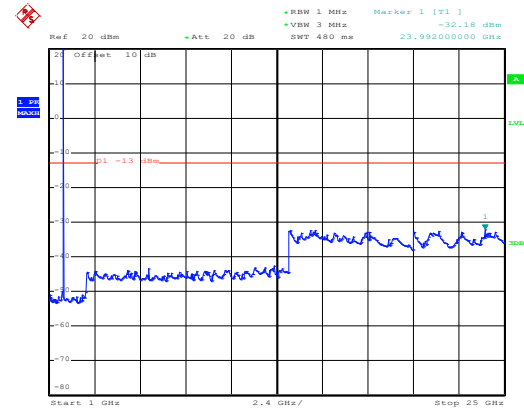
1GHz~25GHz

## Middle channel



Date: 10.NOV.2017 08:12:30

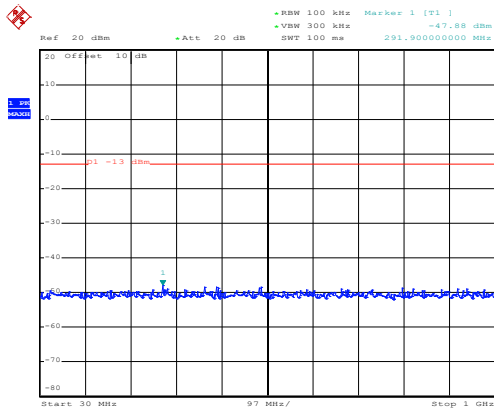
30MHz~1GHz



Date: 10.NOV.2017 11:19:52

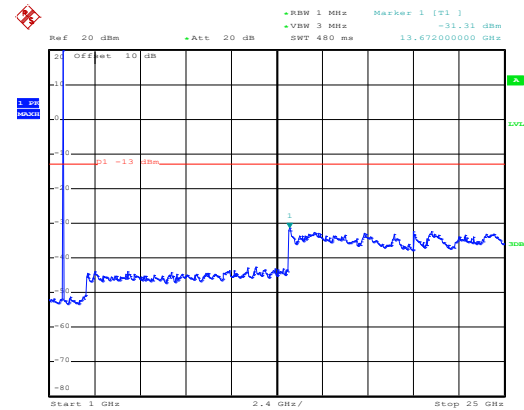
1GHz~25GHz

## High channel



Date: 10.NOV.2017 08:12:56

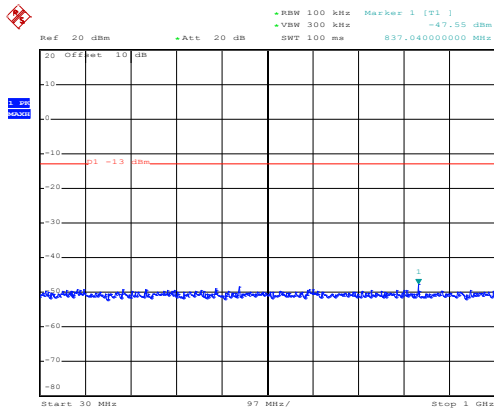
30MHz~1GHz



Date: 10.NOV.2017 11:21:34

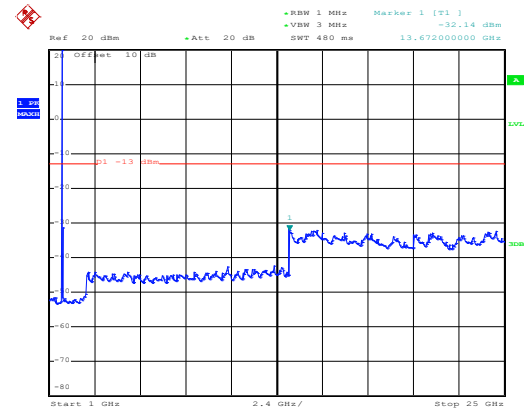
1GHz~25GHz

## QPSK & RB Size 8 Lowest channel



Date: 10.NOV.2017 08:11:18

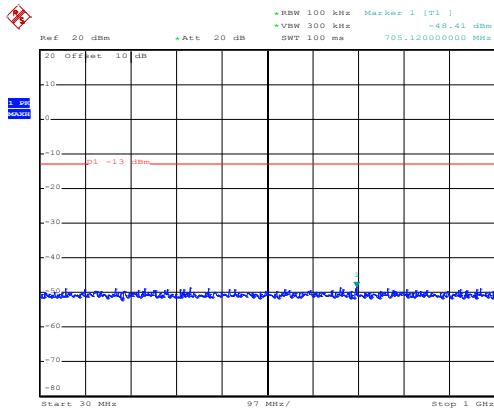
30MHz~1GHz



Date: 10.NOV.2017 11:18:53

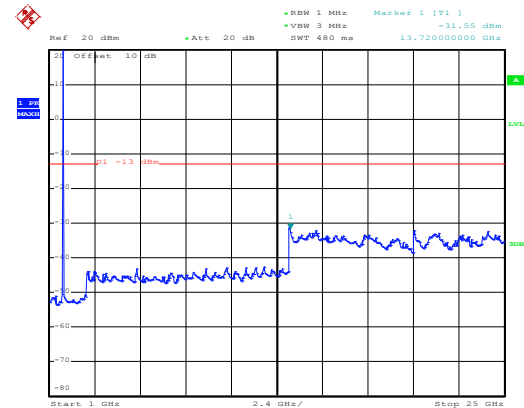
1GHz~25GHz

## Middle channel



Date: 10.NOV.2017 08:12:16

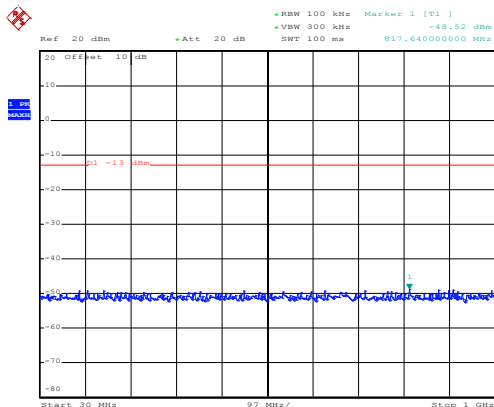
30MHz~1GHz



Date: 10.NOV.2017 11:20:21

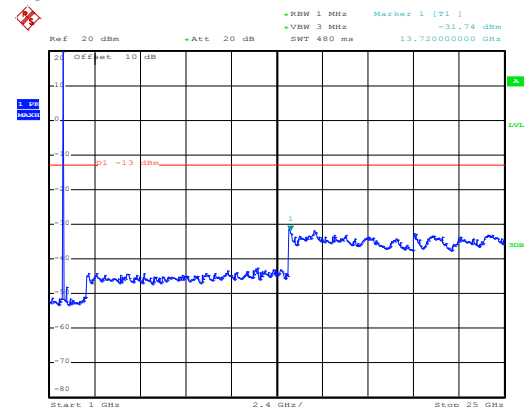
1GHz~25GHz

## High channel



Date: 10.NOV.2017 08:13:09

30MHz~1GHz

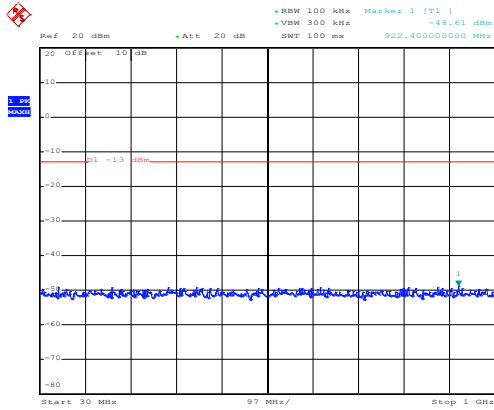


Date: 10.NOV.2017 11:22:10

1GHz~25GHz

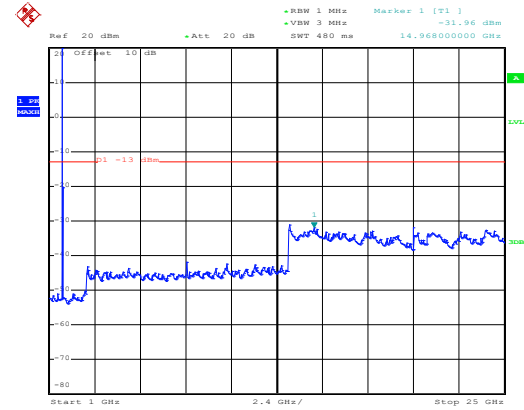


## QPSK & RB Size 15 Lowest channel



Date: 10.NOV.2017 08:11:35

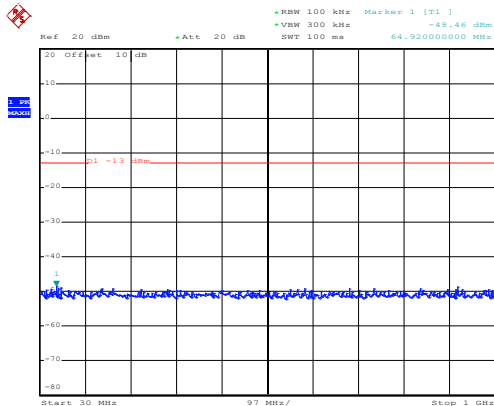
30MHz~1GHz



Date: 10.NOV.2017 11:19:20

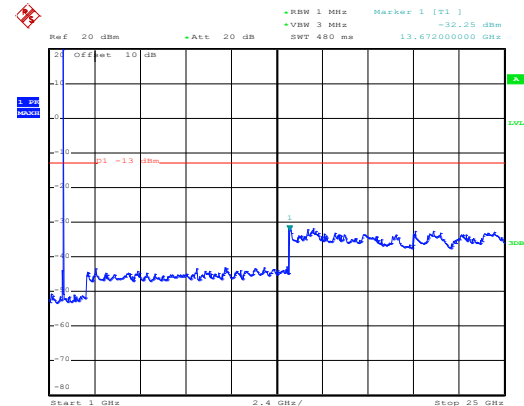
1GHz~25GHz

## Middle channel



Date: 10.NOV.2017 08:11:55

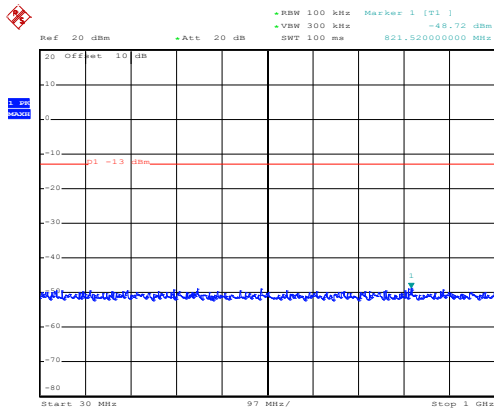
30MHz~1GHz



Date: 10.NOV.2017 11:20:52

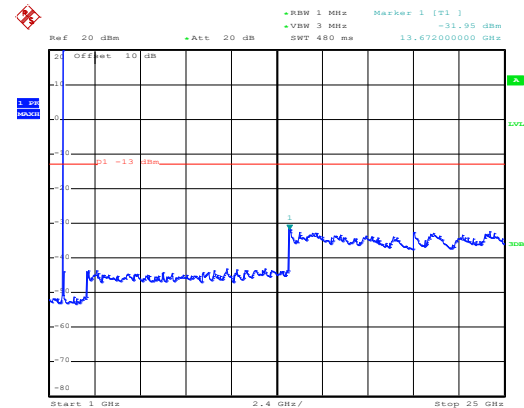
1GHz~25GHz

## High channel



Date: 10.NOV.2017 08:13:27

30MHz~1GHz

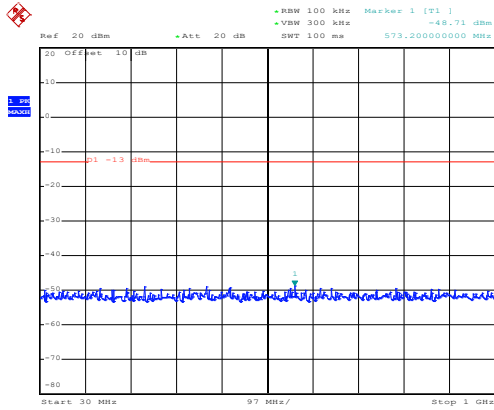


Date: 10.NOV.2017 11:22:52

1GHz~25GHz

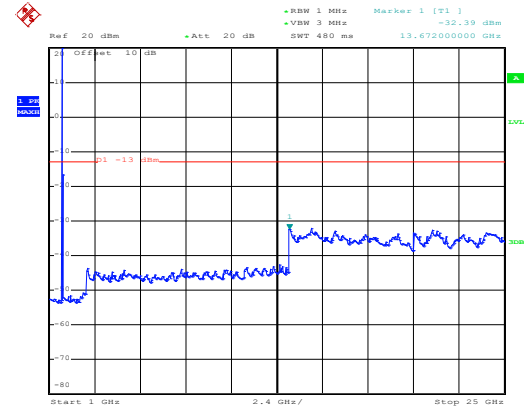
## 5MHz

### 16 QAM & RB Size 1 Lowest channel



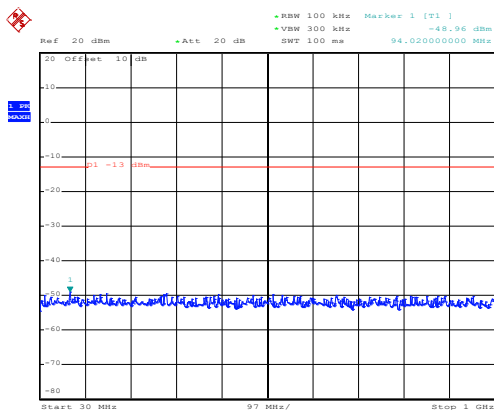
Date: 10.NOV.2017 08:13:52

30MHz~1GHz



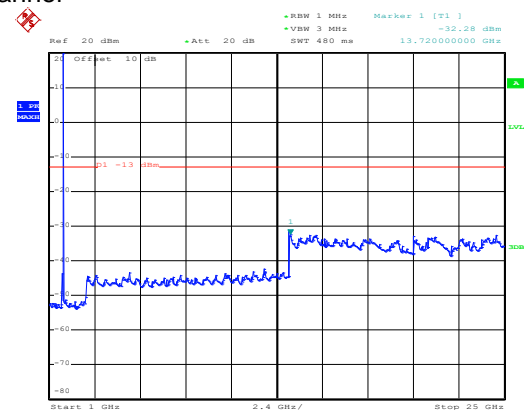
Date: 10.NOV.2017 11:29:04

1GHz~25GHz



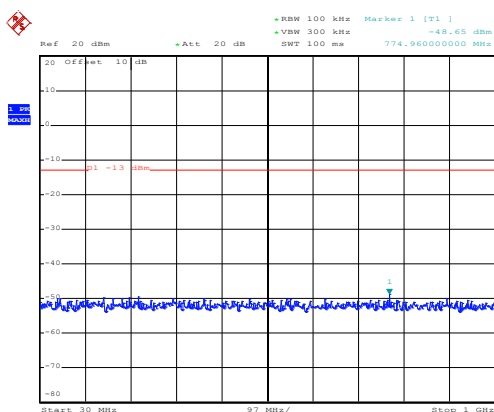
Date: 10.NOV.2017 08:15:08

30MHz~1GHz



Date: 10.NOV.2017 11:31:18

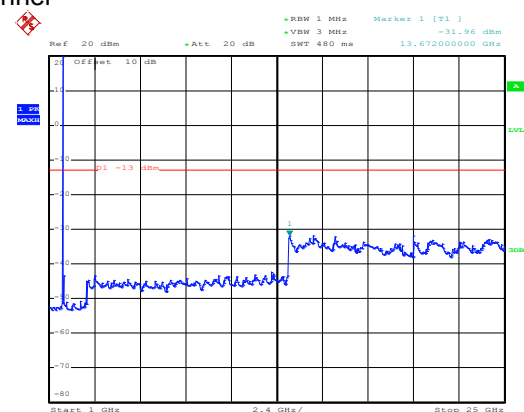
1GHz~25GHz



Date: 10.NOV.2017 08:16:40

30MHz~1GHz

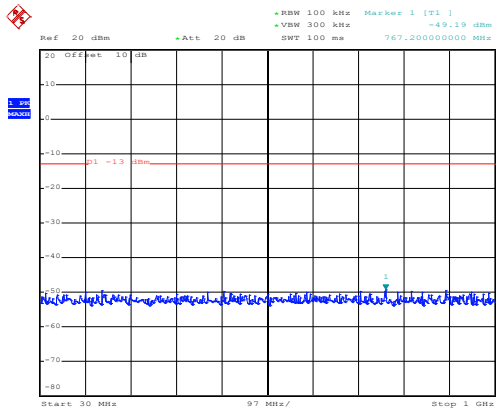
### High channel



Date: 10.NOV.2017 11:33:09

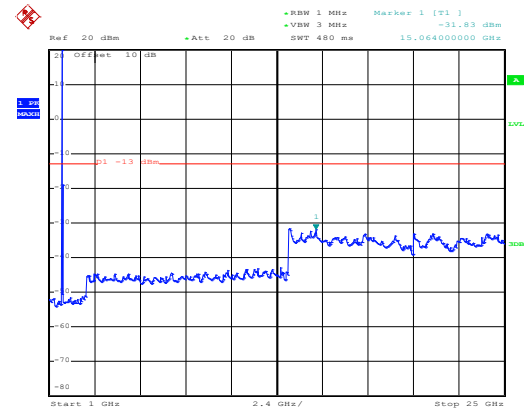
1GHz~25GHz

## 16 QAM & RB Size 12 Lowest channel



Date: 10.NOV.2017 08:14:34

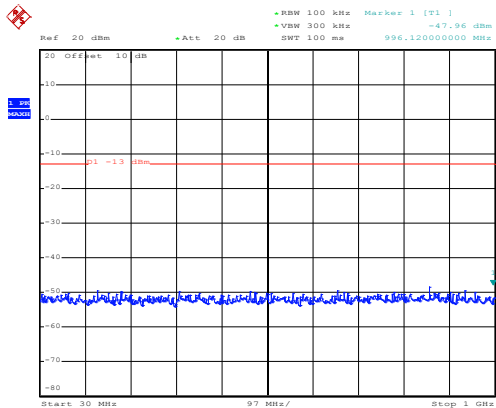
30MHz~1GHz



Date: 10.NOV.2017 11:29:34

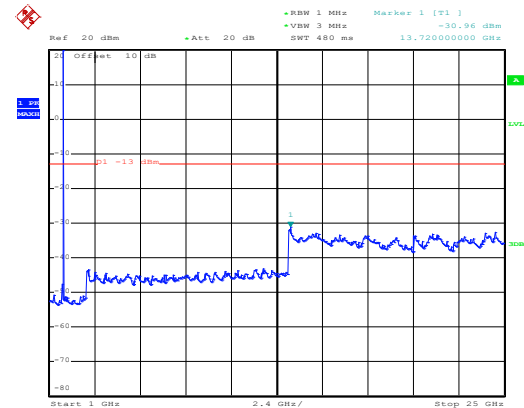
1GHz~25GHz

## Middle channel



Date: 10.NOV.2017 08:15:23

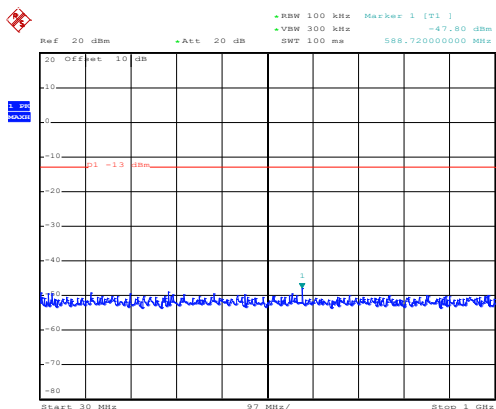
30MHz~1GHz



Date: 10.NOV.2017 11:32:00

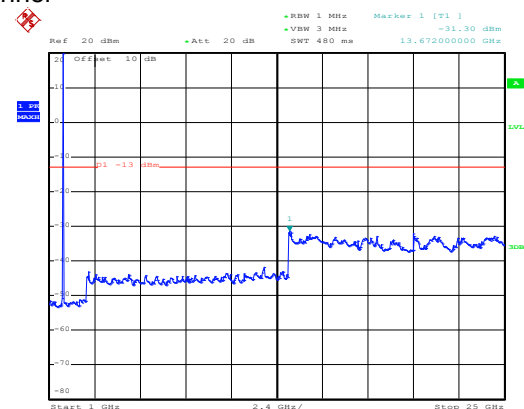
1GHz~25GHz

## High channel



Date: 10.NOV.2017 08:16:18

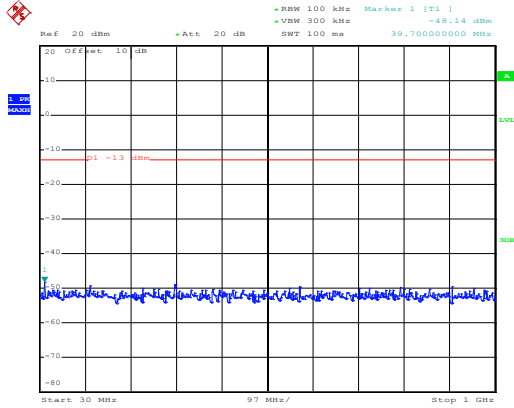
30MHz~1GHz



Date: 10.NOV.2017 11:33:52

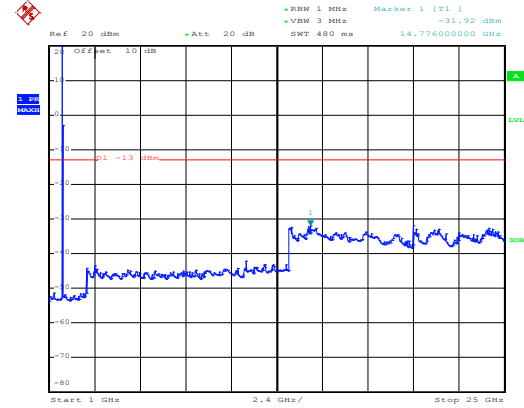
1GHz~25GHz

## 16 QAM & RB Size 25 Lowest channel



Date: 10.NOV.2017 08:14:53

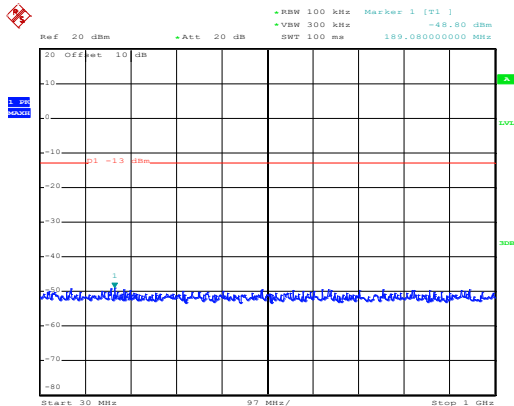
30MHz~1GHz



Date: 10.NOV.2017 11:30:00

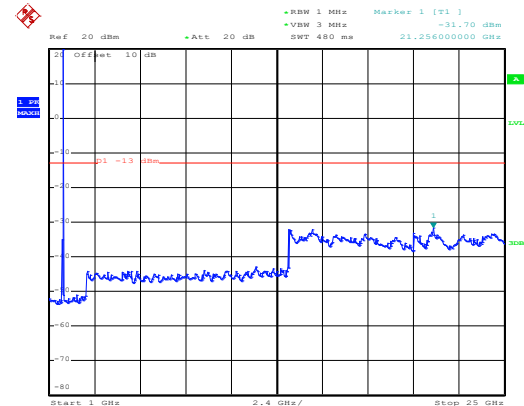
1GHz~25GHz

## Middle channel



Date: 10.NOV.2017 08:15:41

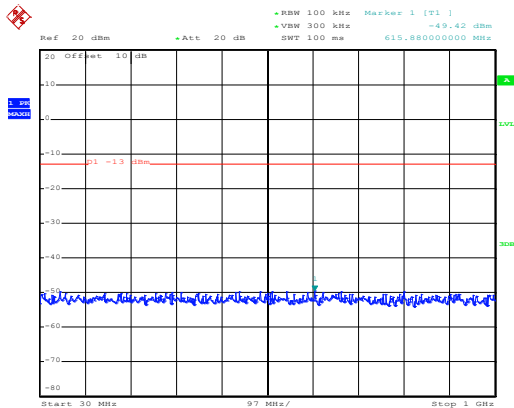
30MHz~1GHz



Date: 10.NOV.2017 11:32:27

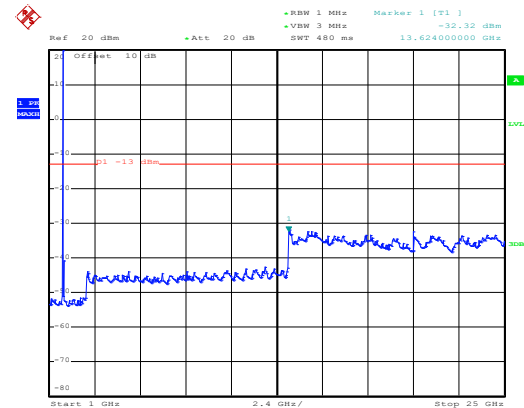
1GHz~25GHz

## High channel



Date: 10.NOV.2017 08:15:55

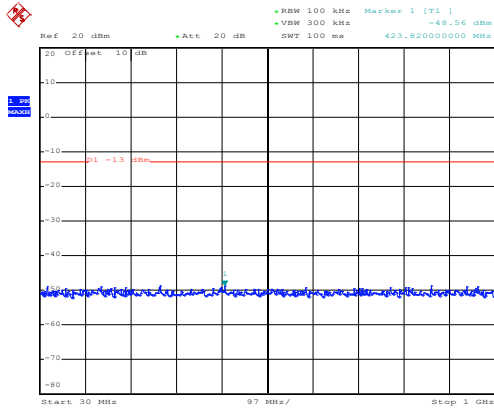
30MHz~1GHz



Date: 10.NOV.2017 11:34:20

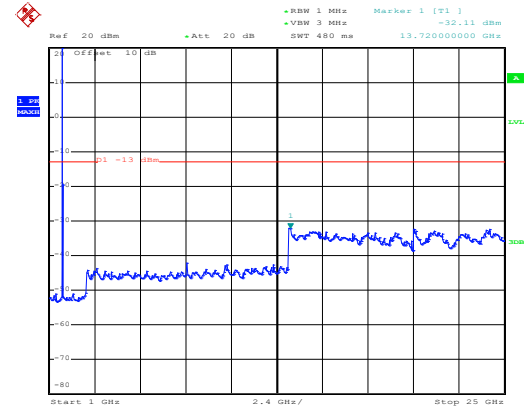
1GHz~25GHz

## QPSK & RB Size 1 Lowest channel



Date: 10.NOV.2017 08:13:47

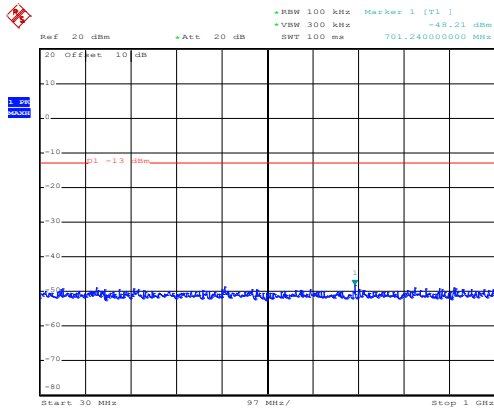
30MHz~1GHz



Date: 10.NOV.2017 11:28:52

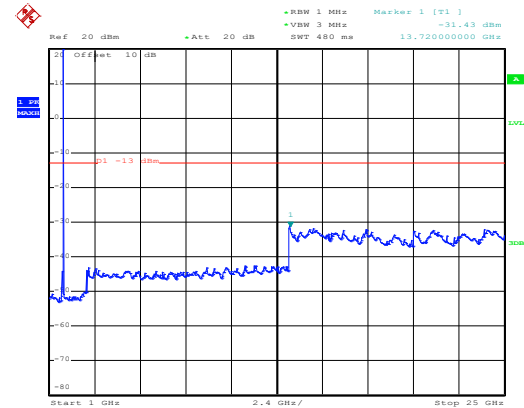
1GHz~25GHz

## Middle channel



Date: 10.NOV.2017 08:15:03

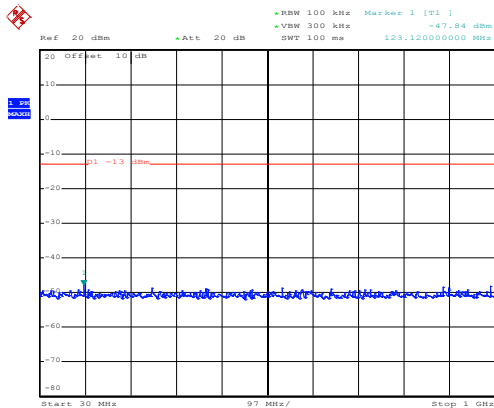
30MHz~1GHz



Date: 10.NOV.2017 11:31:06

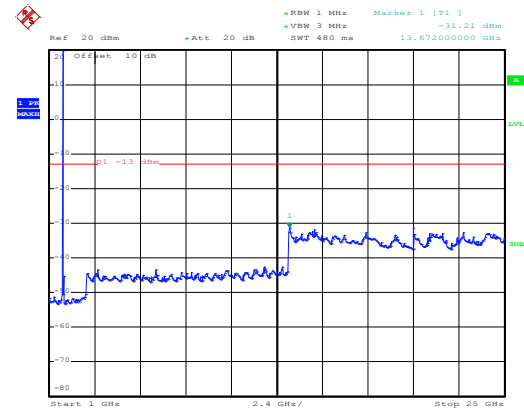
1GHz~25GHz

## High channel



Date: 10.NOV.2017 08:16:35

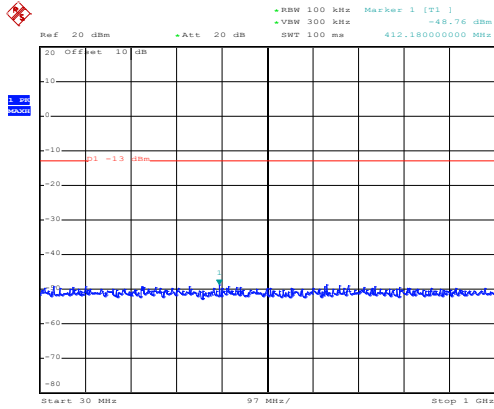
30MHz~1GHz



Date: 10.NOV.2017 11:32:54

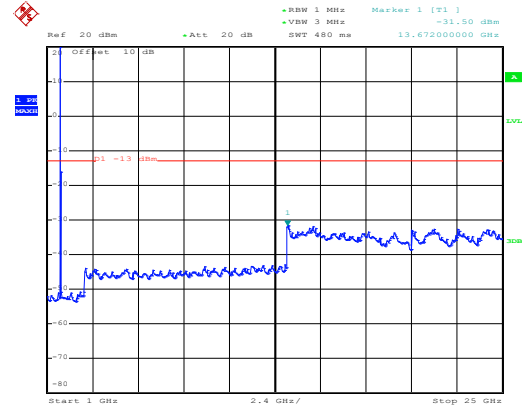
1GHz~25GHz

## QPSK & RB Size 12 Lowest channel



Date: 10.NOV.2017 08:14:30

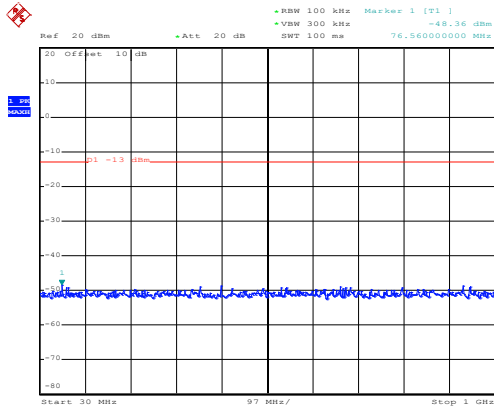
30MHz~1GHz



Date: 10.NOV.2017 11:29:22

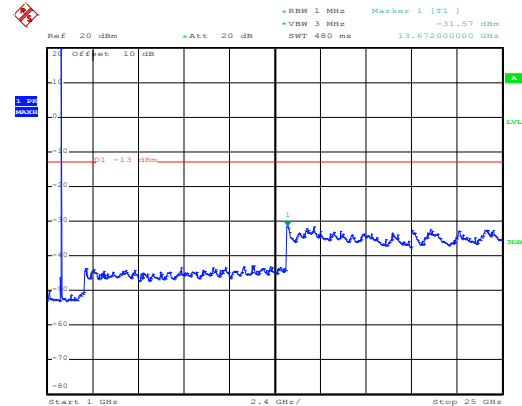
1GHz~25GHz

## Middle channel



Date: 10.NOV.2017 08:15:18

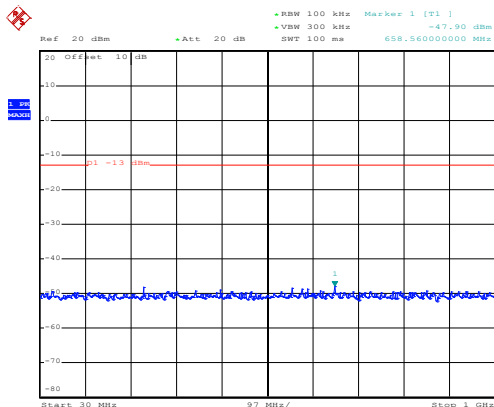
30MHz~1GHz



Date: 10.NOV.2017 11:31:48

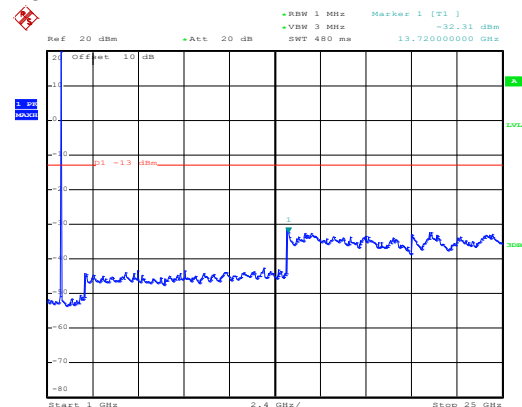
1GHz~25GHz

## High channel



Date: 10.NOV.2017 08:16:12

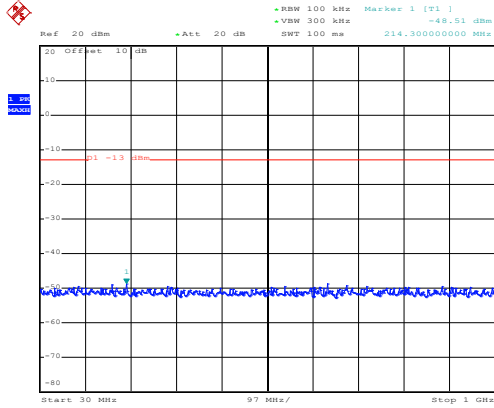
30MHz~1GHz



Date: 10.NOV.2017 11:33:27

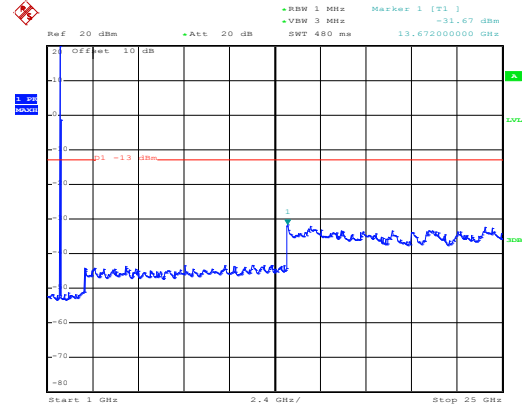
1GHz~25GHz

## QPSK & RB Size 25 Lowest channel



Date: 10.NOV.2017 08:14:48

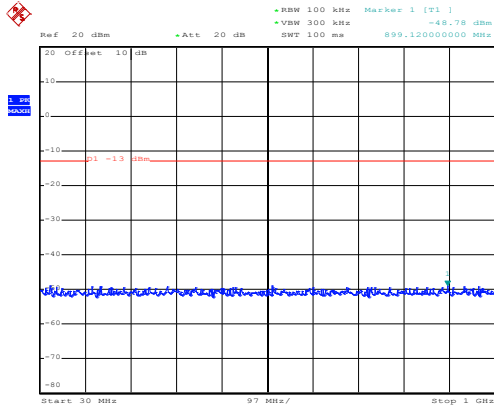
30MHz~1GHz



Date: 10.NOV.2017 11:29:49

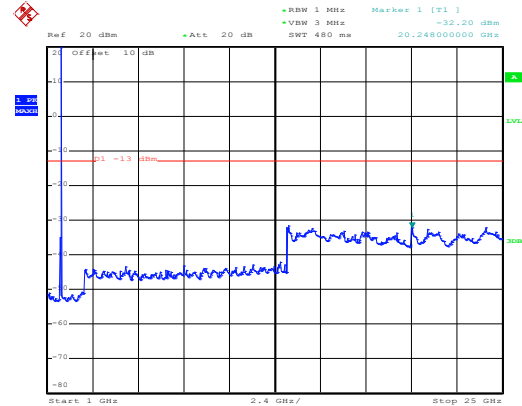
1GHz~25GHz

## Middle channel



Date: 10.NOV.2017 08:15:35

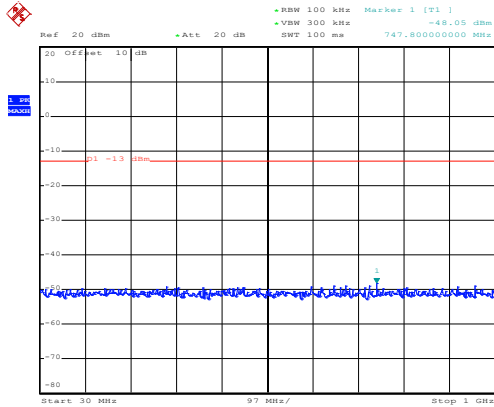
30MHz~1GHz



Date: 10.NOV.2017 11:32:16

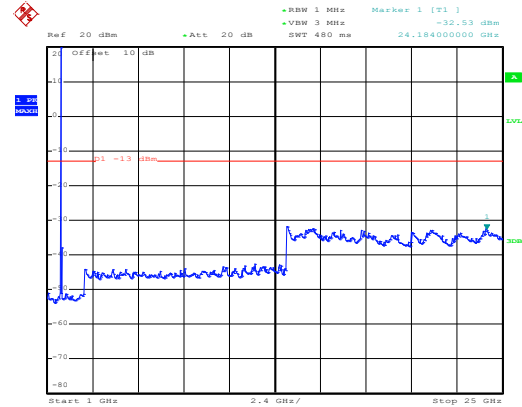
1GHz~25GHz

## High channel



Date: 10.NOV.2017 08:15:50

30MHz~1GHz



Date: 10.NOV.2017 11:34:10

1GHz~25GHz