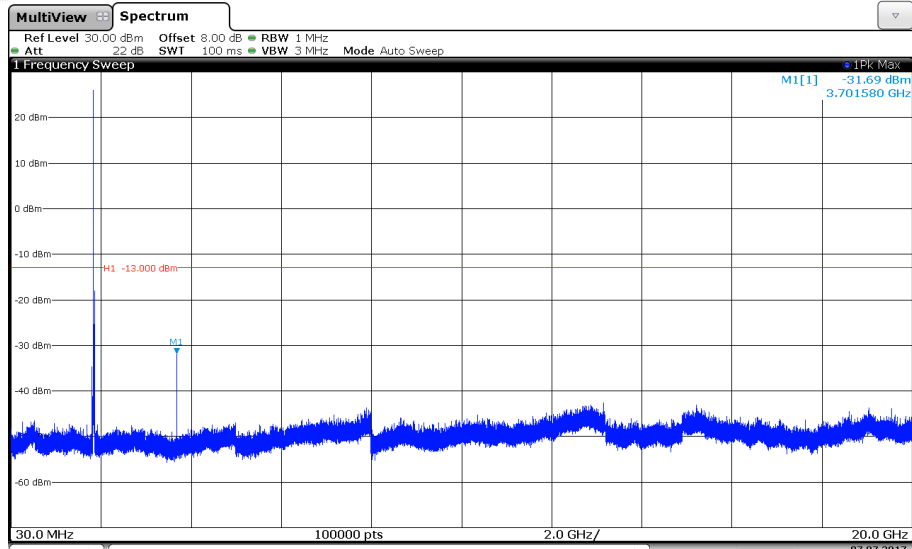
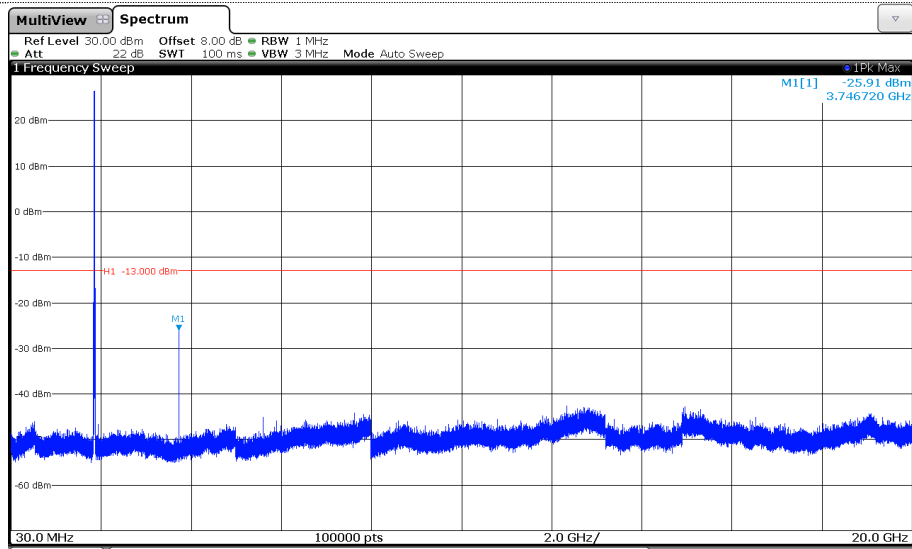


LTE Band 2-15MHz  
16QAM



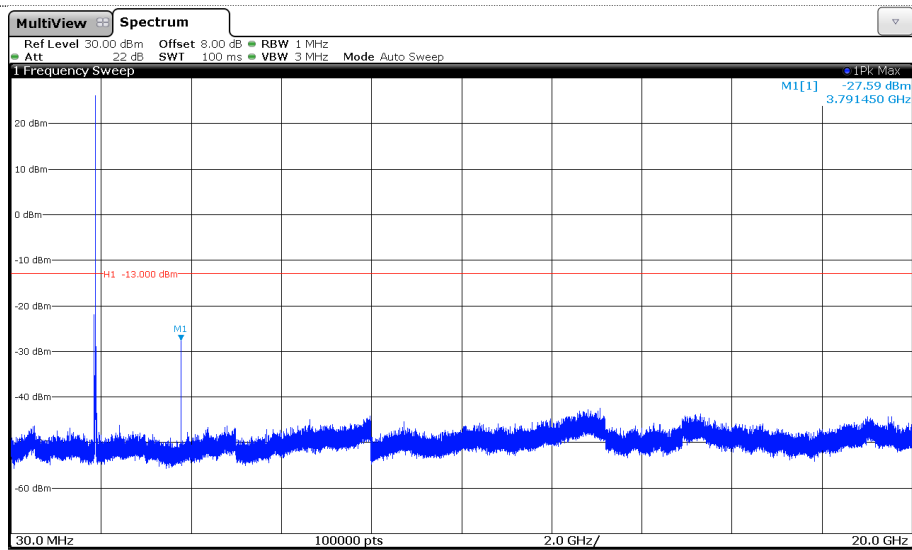
Date: 7.JUL.2017 09:53:21

Channel Low



Date: 7.JUL.2017 09:52:01

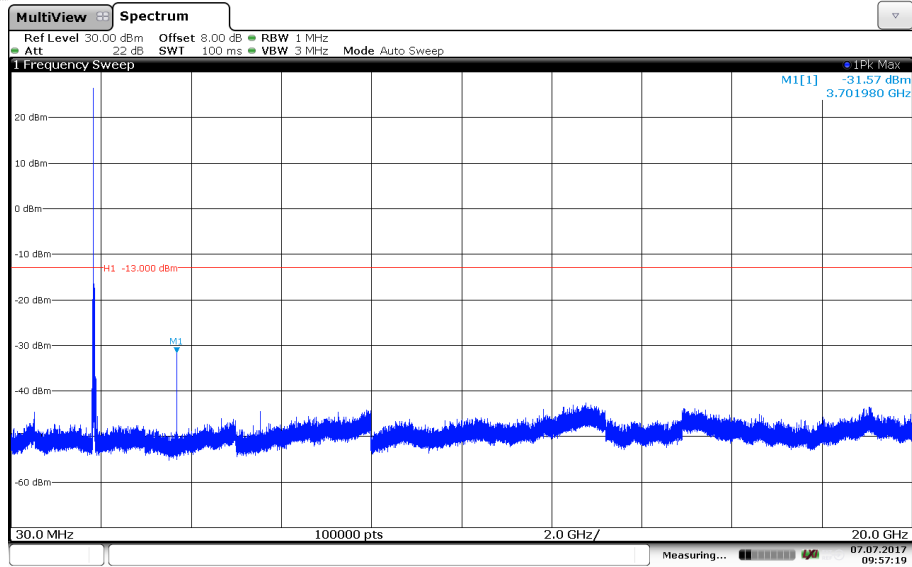
Channel Mid



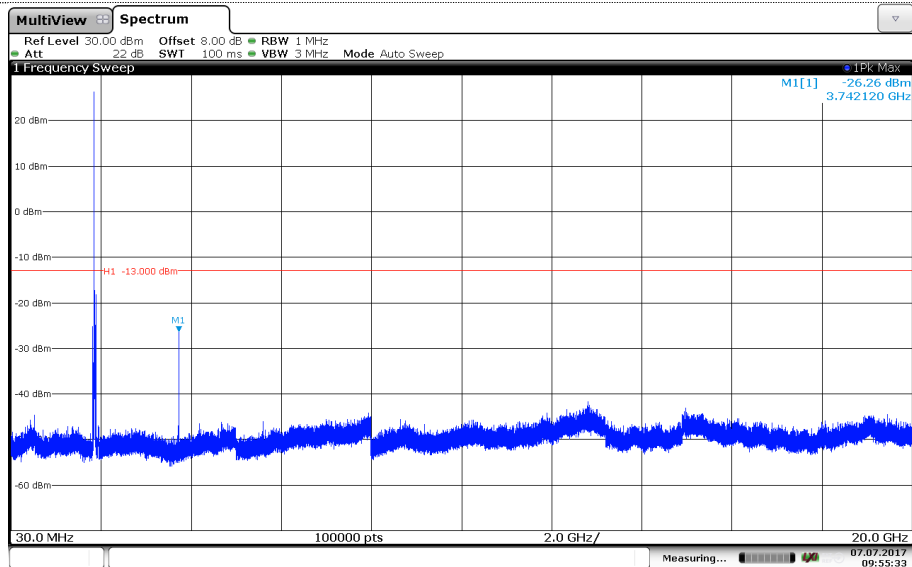
Date: 7.JUL.2017 09:54:48

Channel High

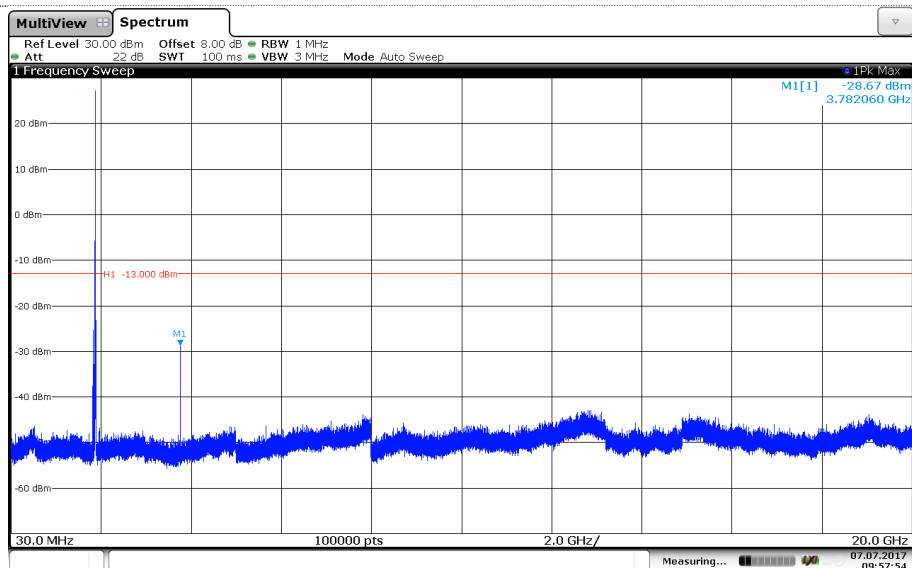
### LTE Band 2-20MHz QPSK



### Channel Low

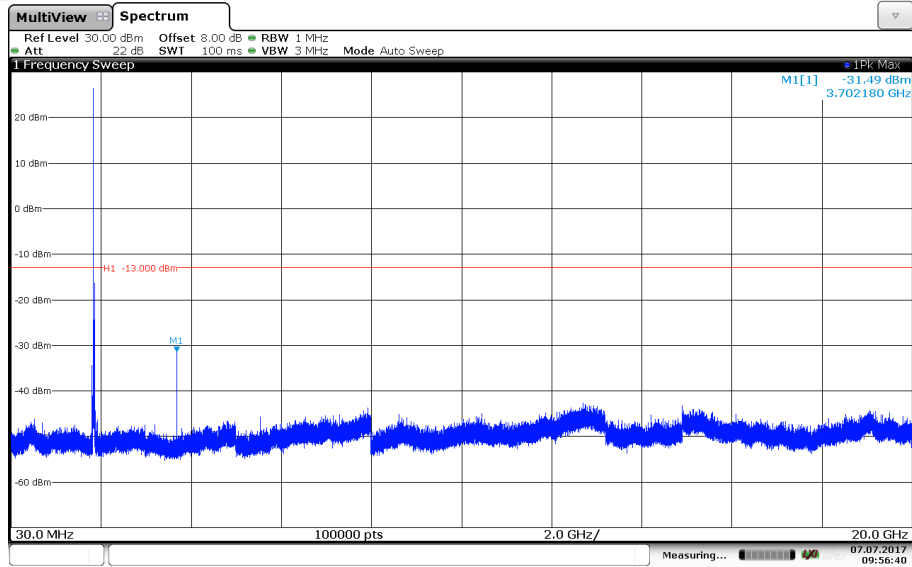


### Channel Mid

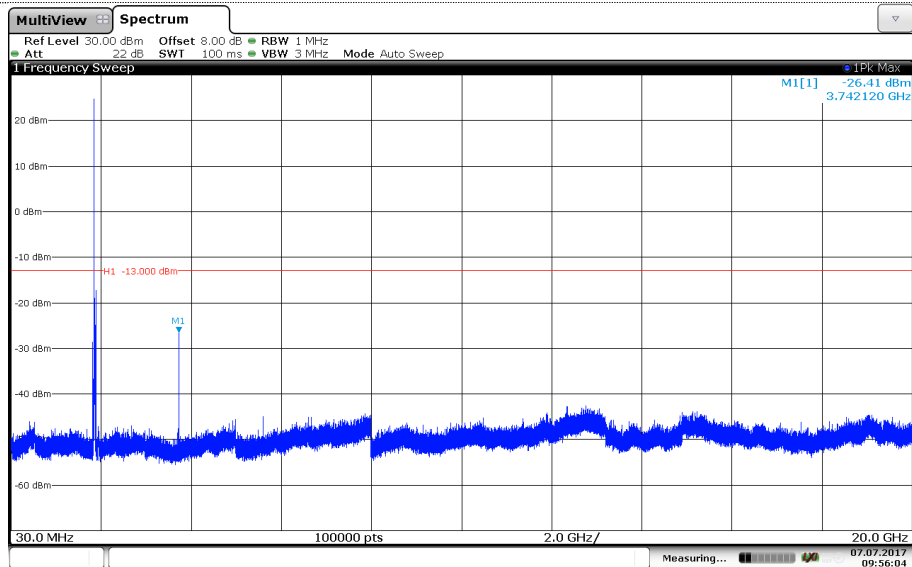


### Channel High

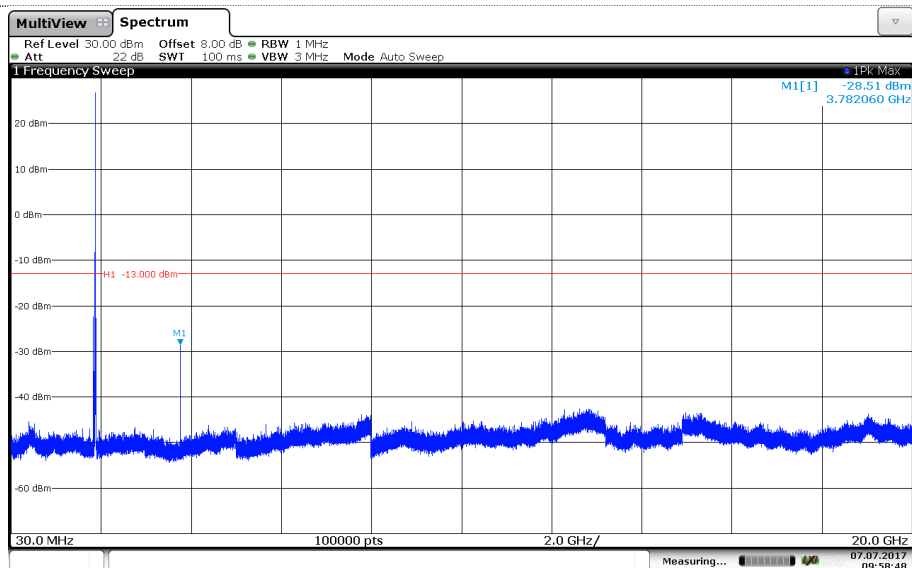
### LTE Band 2-20MHz 16QAM



### Channel Low



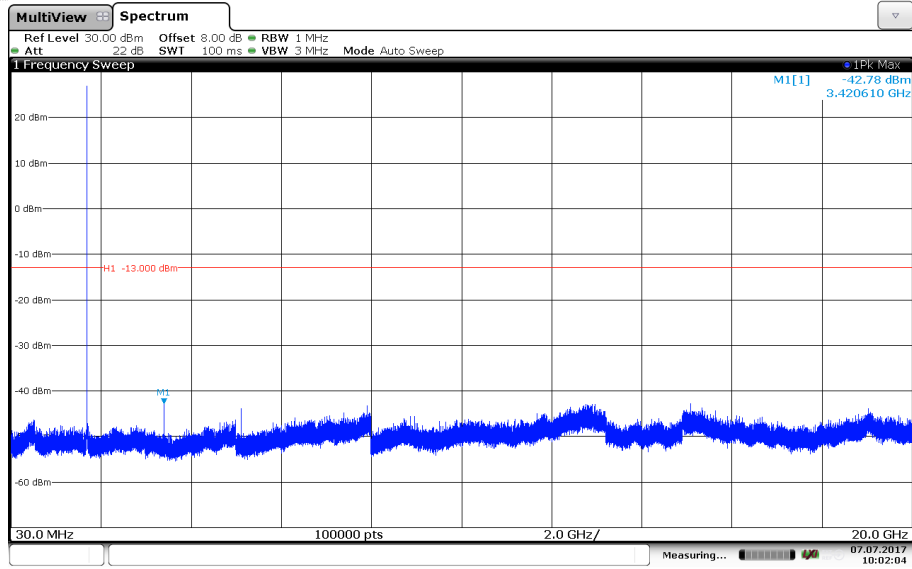
### Channel Mid



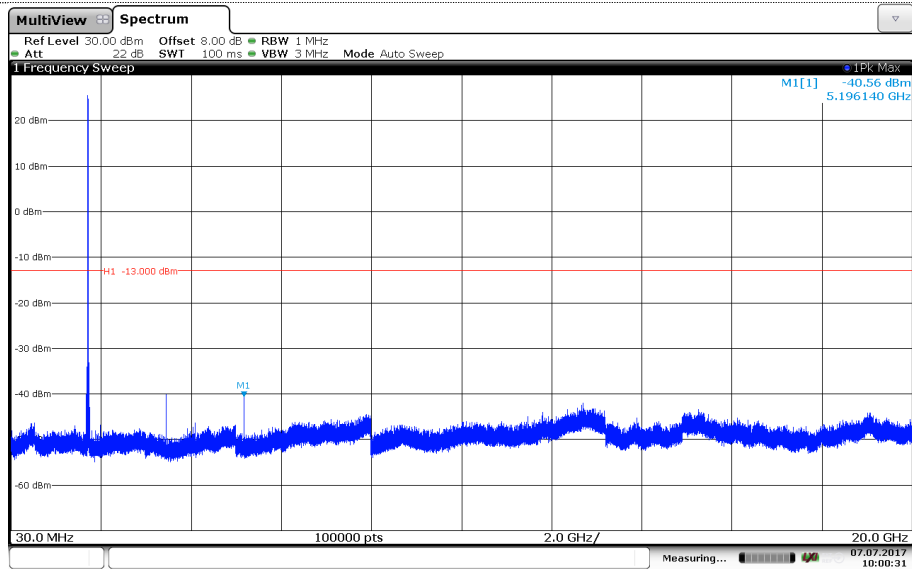
### Channel High

LTE Band 4-1.4MHz

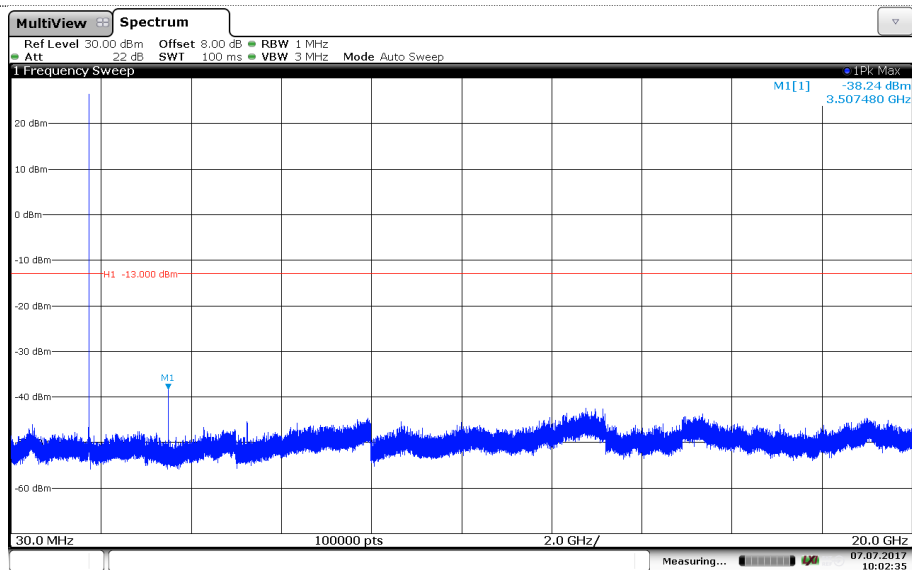
QPSK



Channel Low

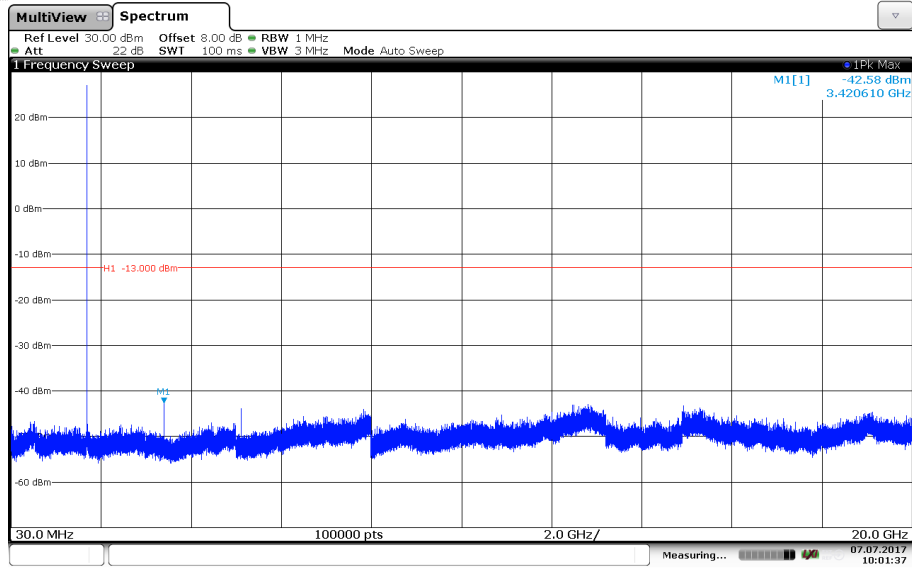


Channel Mid



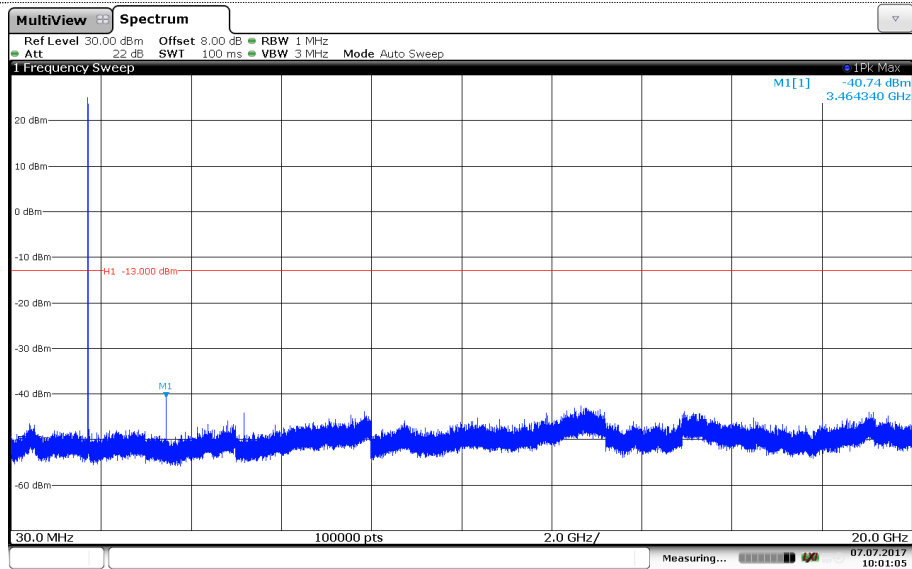
Channel High

LTE Band 4-1.4MHz  
16QAM



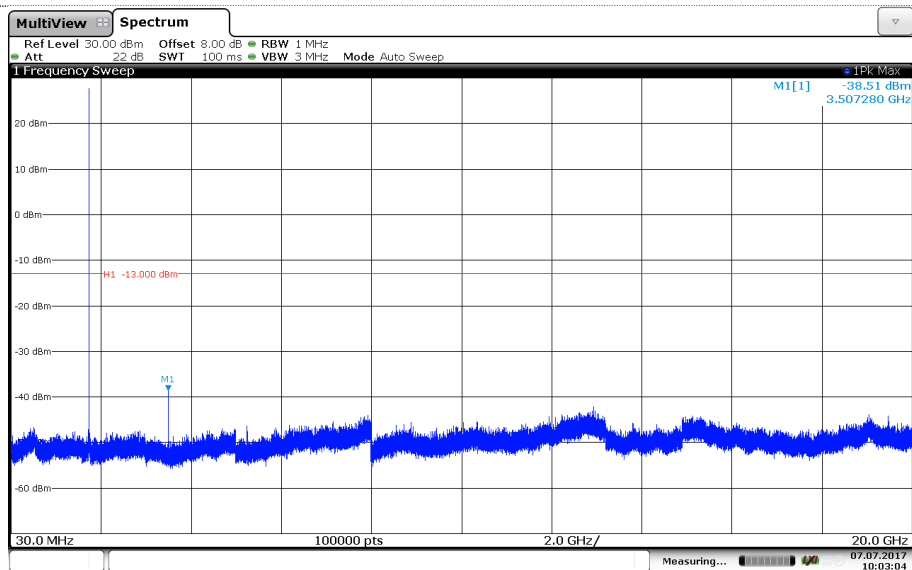
Date: 7.JUL.2017 10:01:37

Channel Low



Date: 7.JUL.2017 10:01:04

Channel Mid

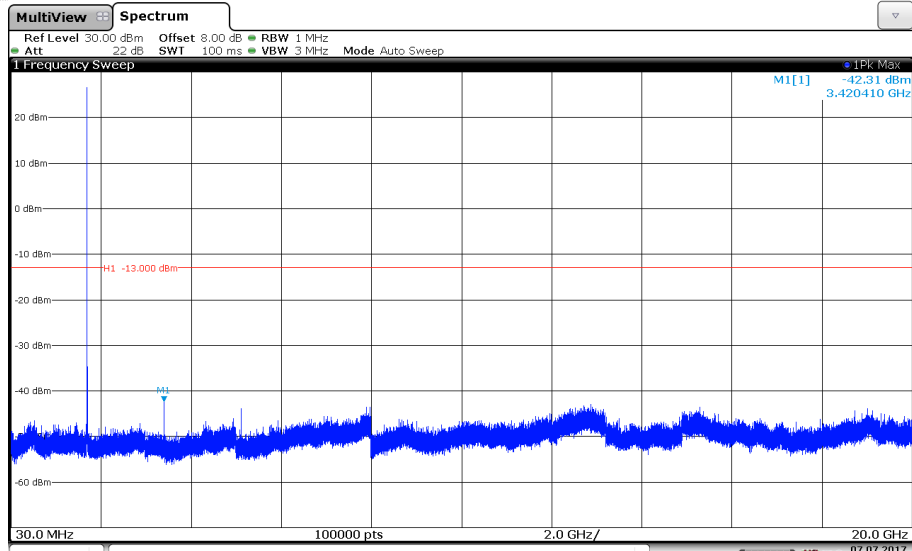


Date: 7.JUL.2017 10:03:04

Channel High

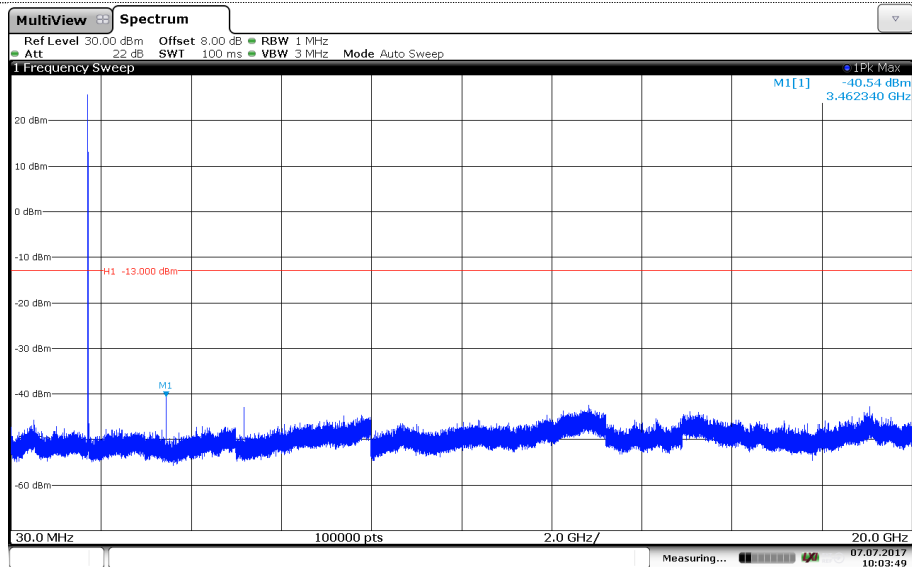
LTE Band 4-3MHz

QPSK



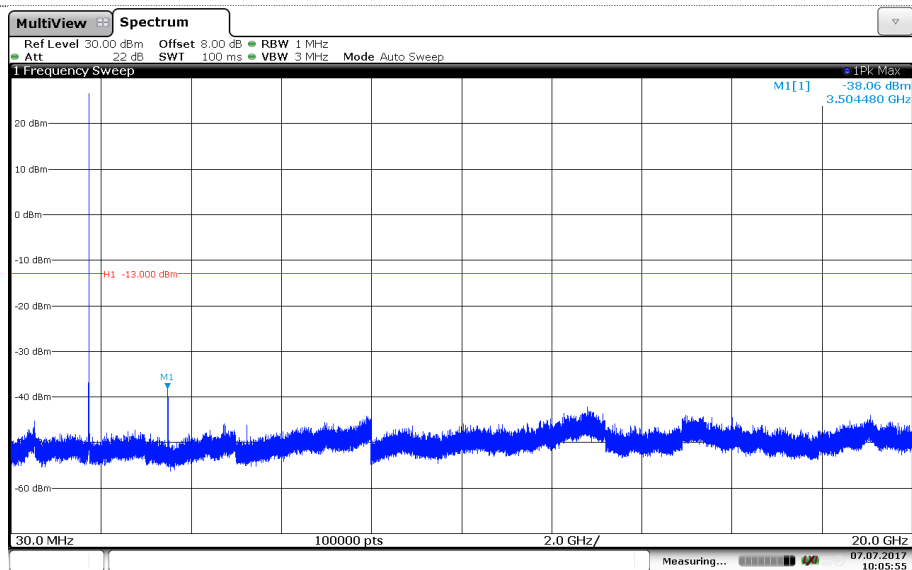
Date: 7.JUL.2017 10:05:21

Channel Low



Date: 7.JUL.2017 10:03:49

Channel Mid

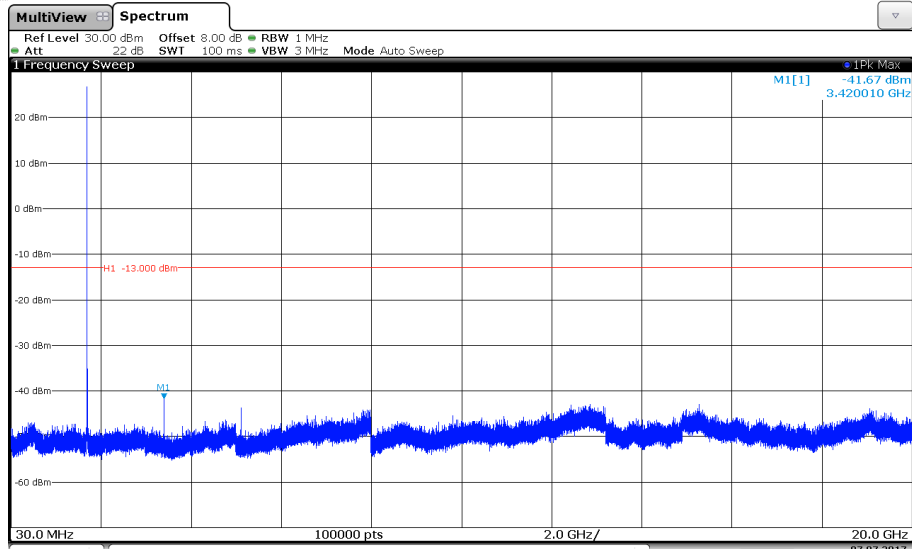


Date: 7.JUL.2017 10:05:55

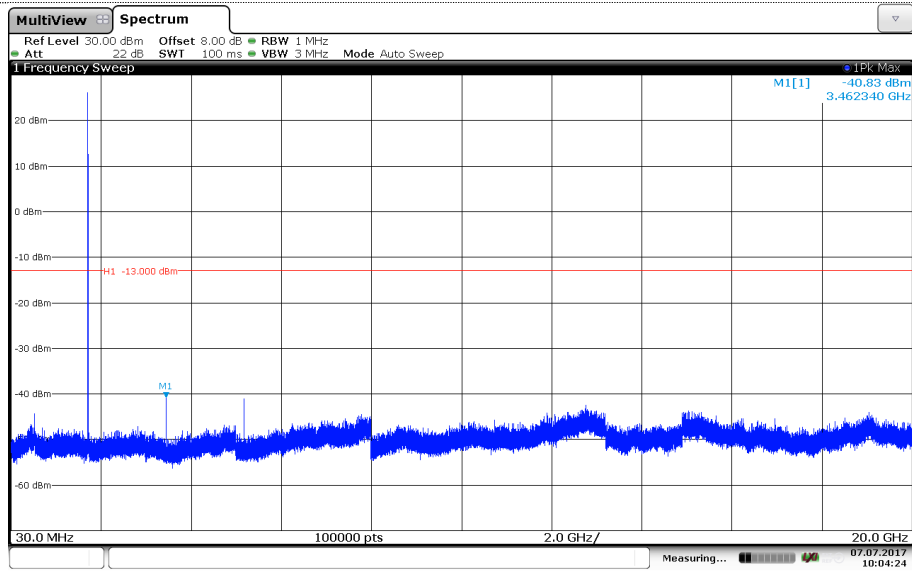
Channel High

LTE Band 4-3MHz

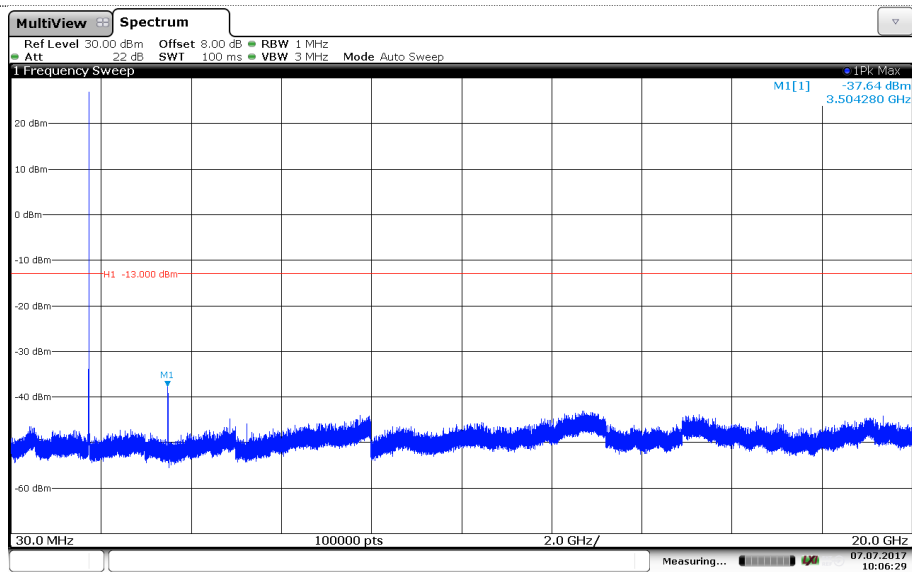
16QAM



Channel Low



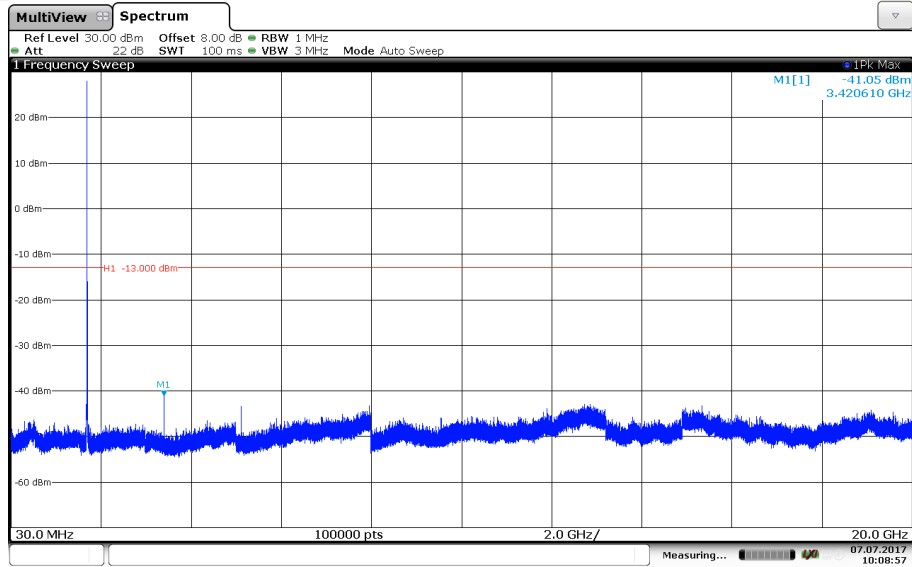
Channel Mid



Channel High

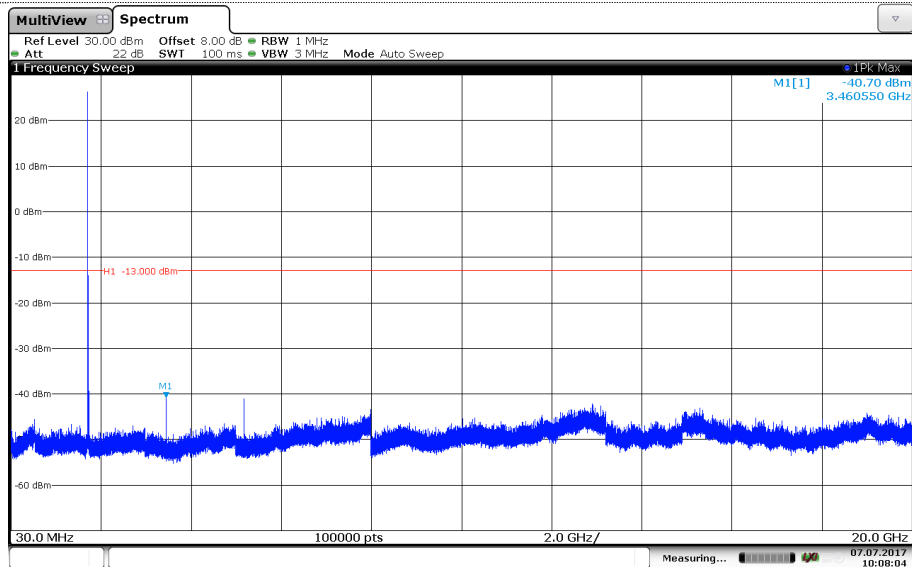
LTE Band 4-5MHz

QPSK



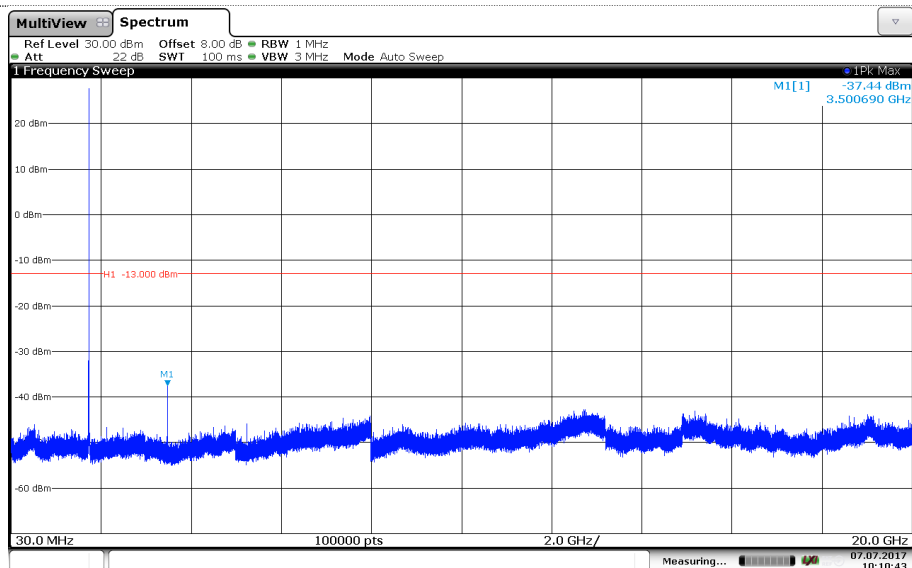
Date: 7.JUL.2017 10:08:58

Channel Low



Date: 7.JUL.2017 10:08:03

Channel Mid



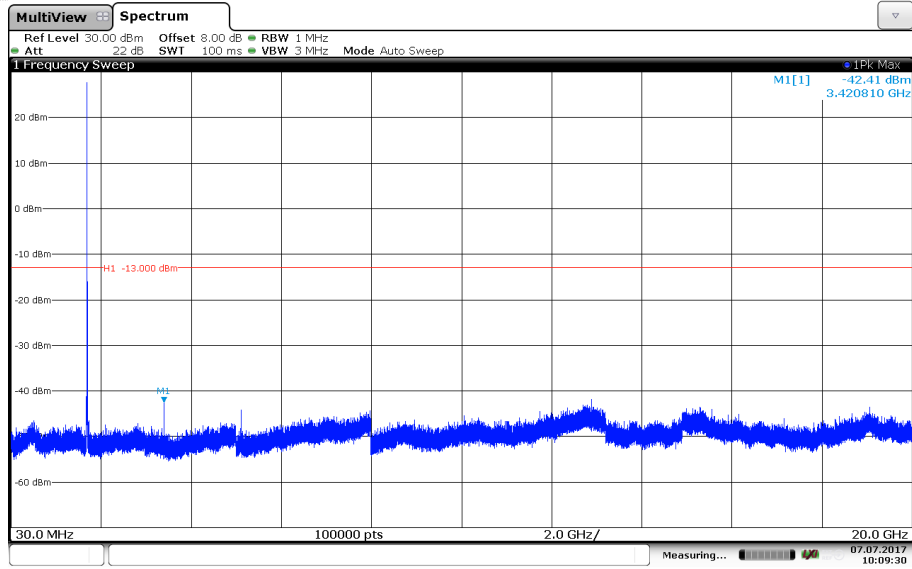
Date: 7.JUL.2017 10:10:43

Channel High



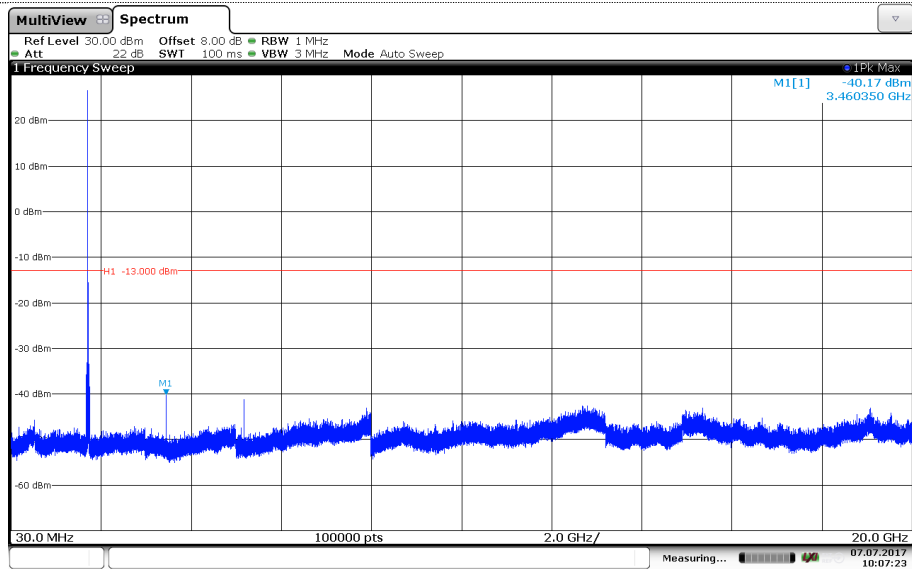
LTE Band 4-5MHz

16QAM



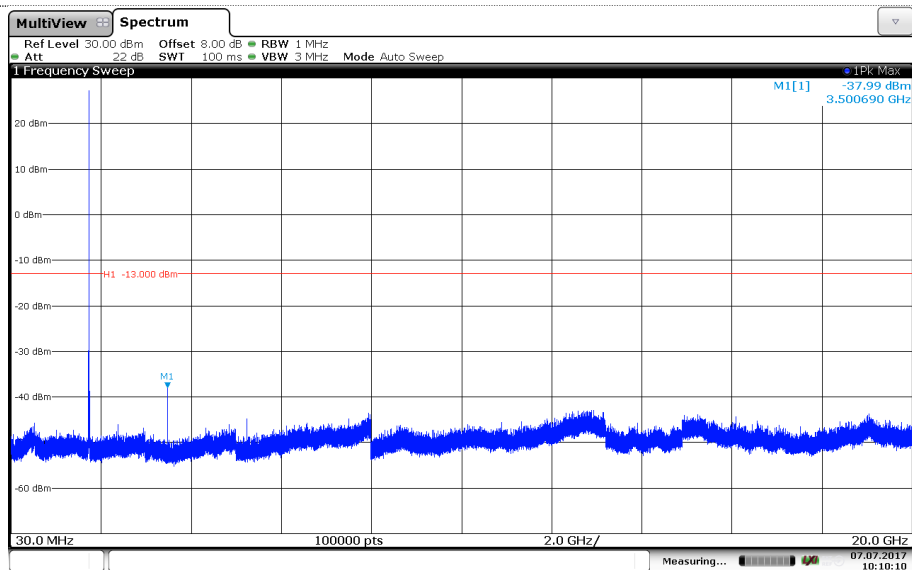
Date: 7.JUL.2017 10:09:30

Channel Low



Date: 7.JUL.2017 10:07:23

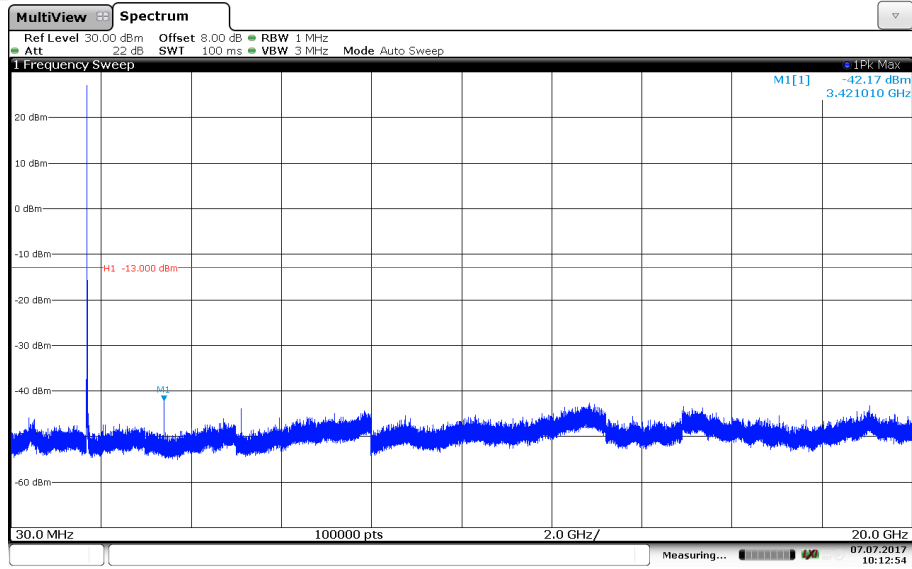
Channel Mid



Date: 7.JUL.2017 10:10:10

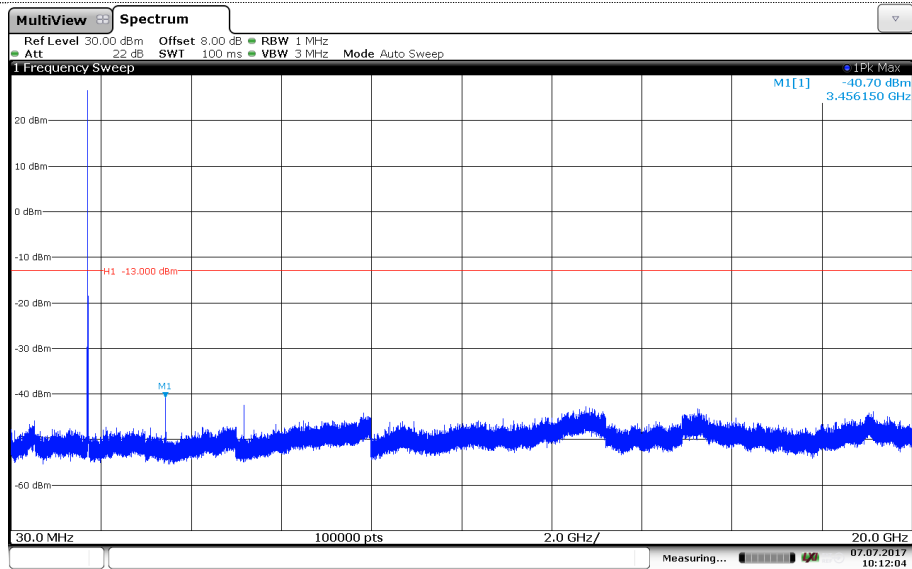
Channel High

LTE Band 4-10MHz  
QPSK



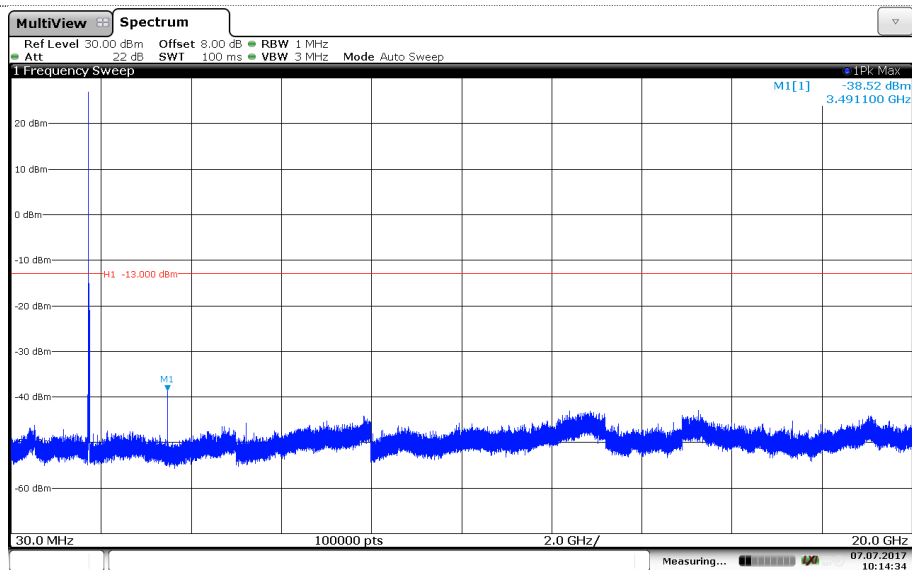
Date: 7.JUL.2017 10:12:53

Channel Low



Date: 7.JUL.2017 10:12:04

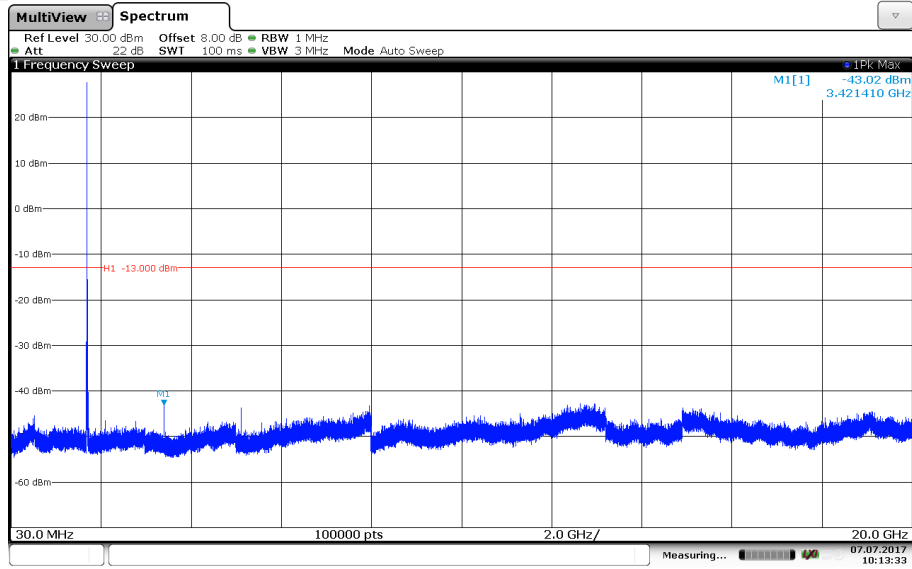
Channel Mid



Date: 7.JUL.2017 10:14:33

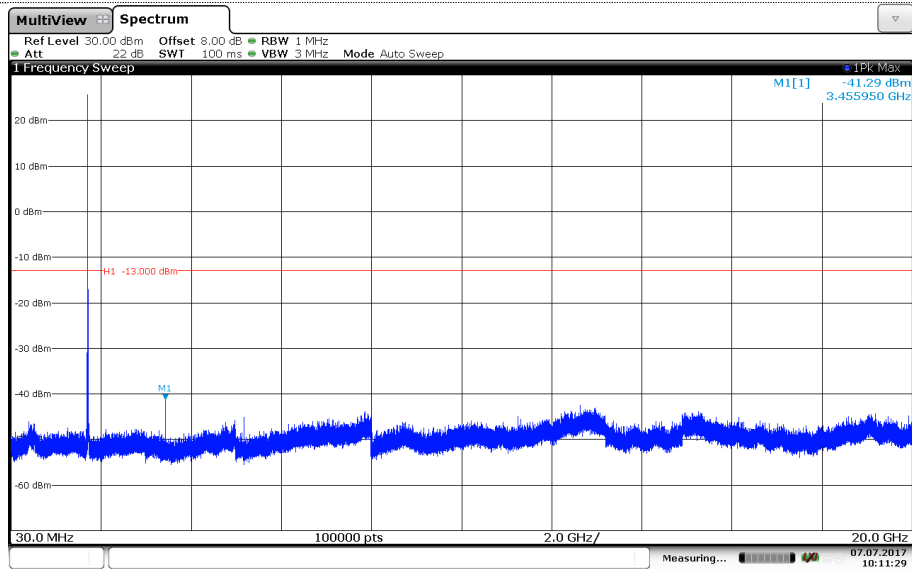
Channel High

LTE Band 4-10MHz  
16QAM



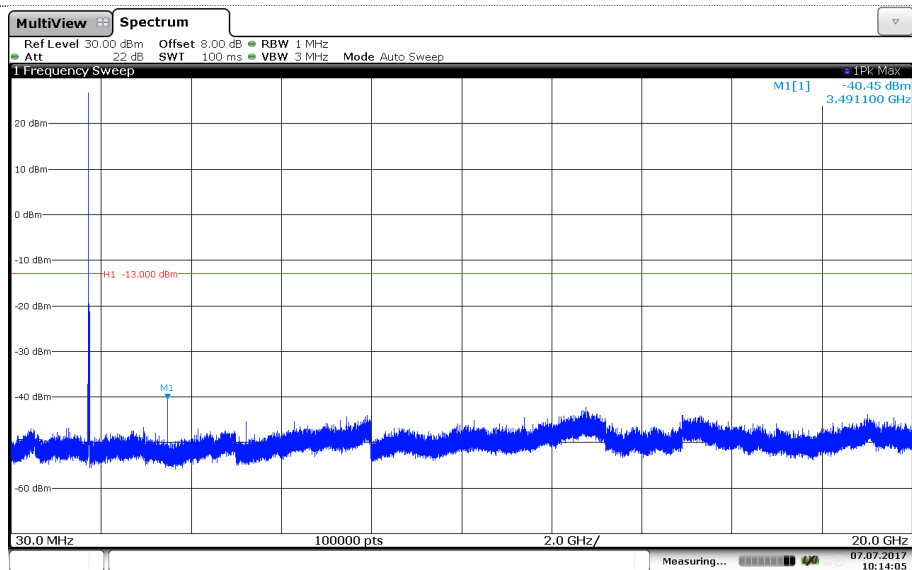
Date: 7.JUL.2017 10:13:33

Channel Low



Date: 7.JUL.2017 10:11:30

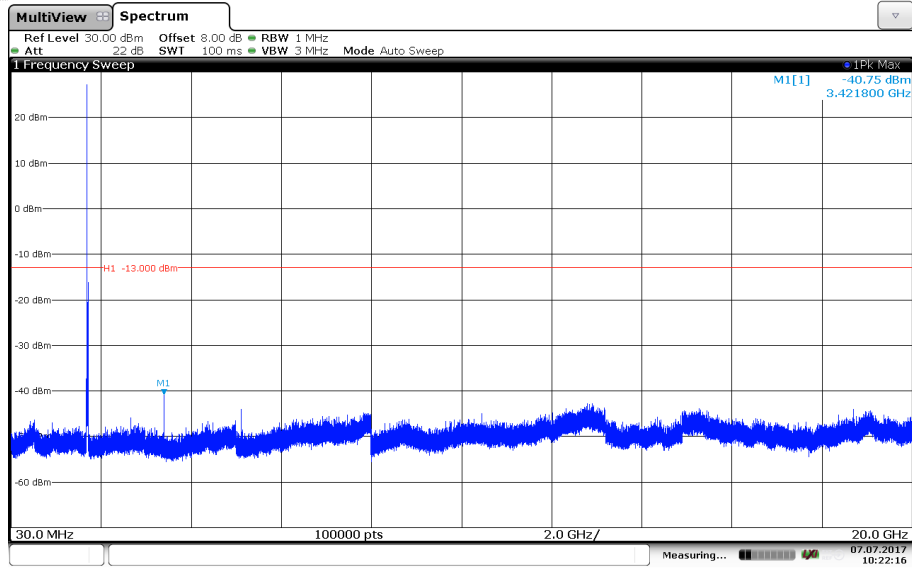
Channel Mid



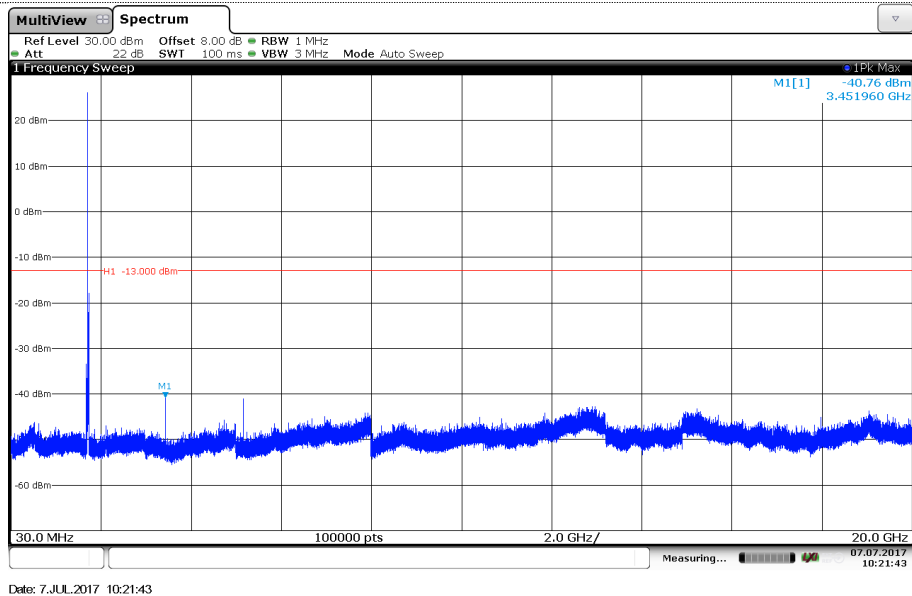
Date: 7.JUL.2017 10:14:06

Channel High

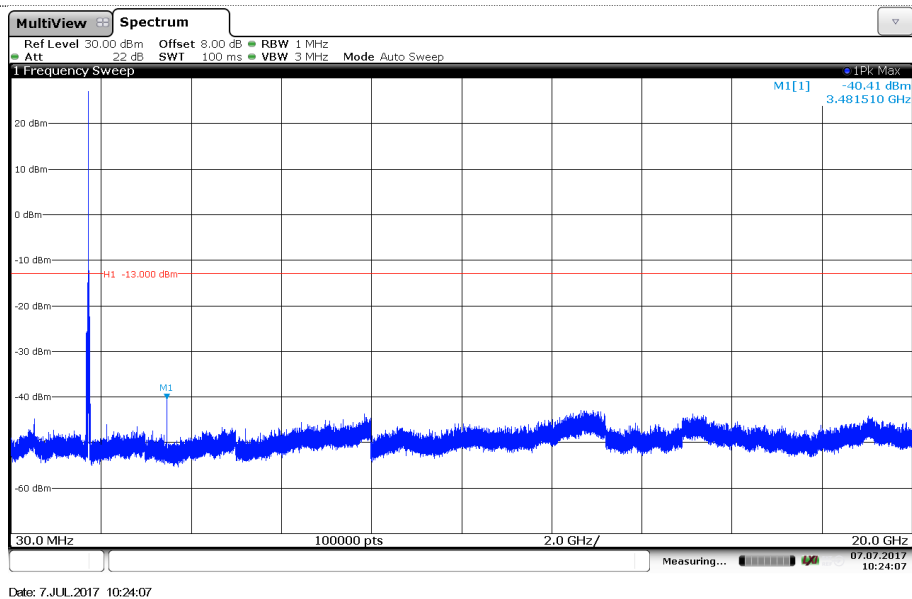
### LTE Band 4-15MHz QPSK



### Channel Low

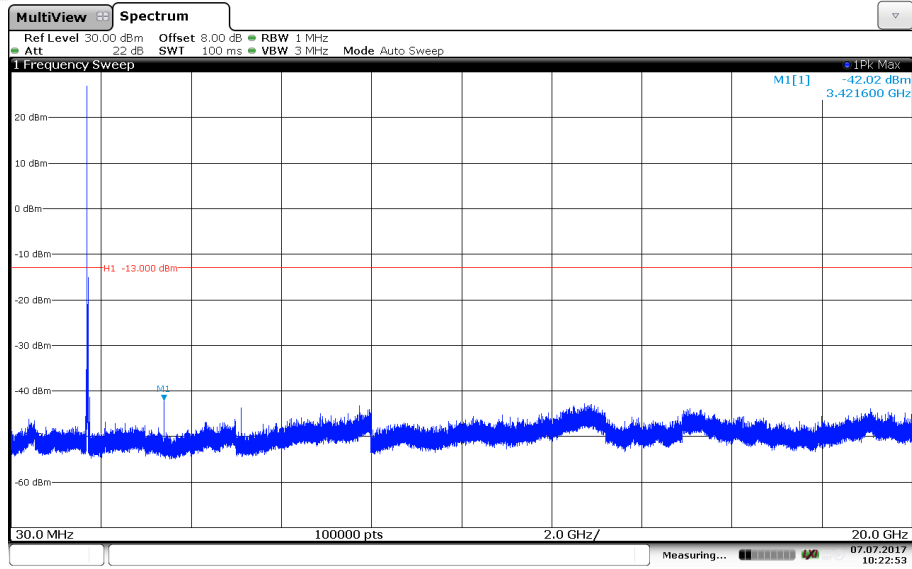


### Channel Mid



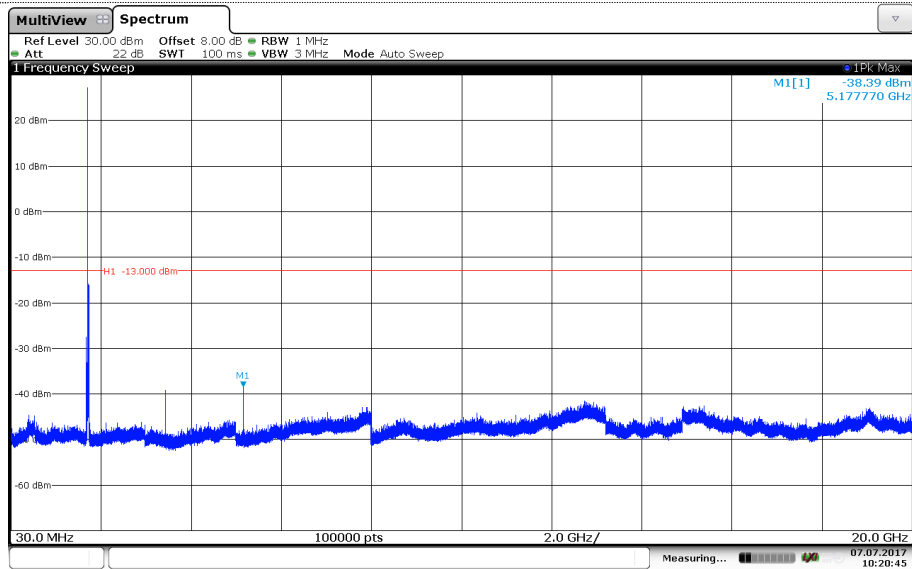
### Channel High

LTE Band 4-15MHz  
16QAM



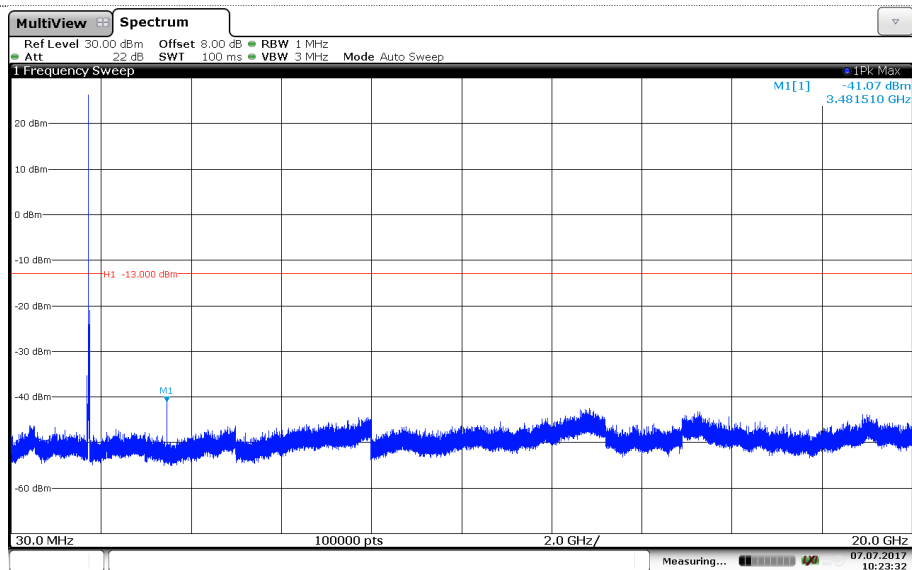
Date: 7.JUL.2017 10:22:53

Channel Low



Date: 7.JUL.2017 10:20:45

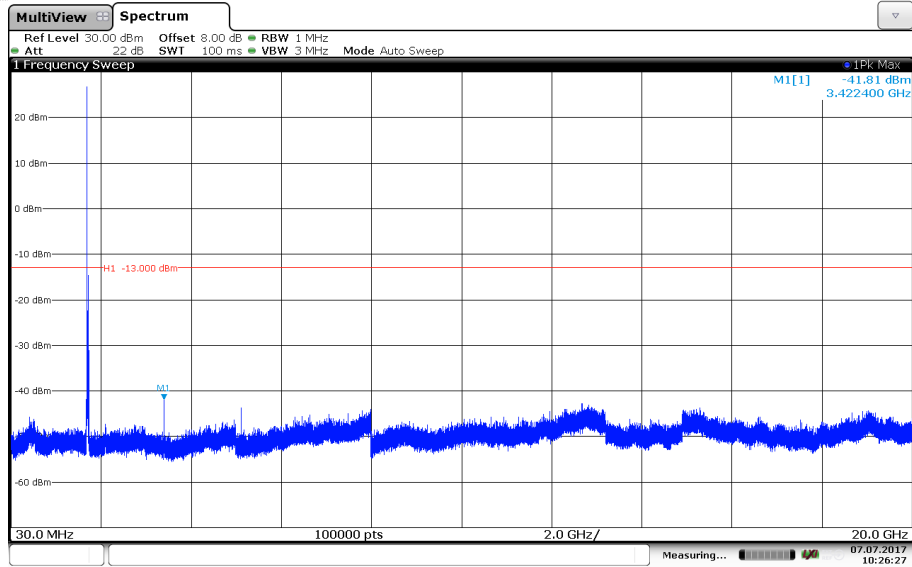
Channel Mid



Date: 7.JUL.2017 10:23:32

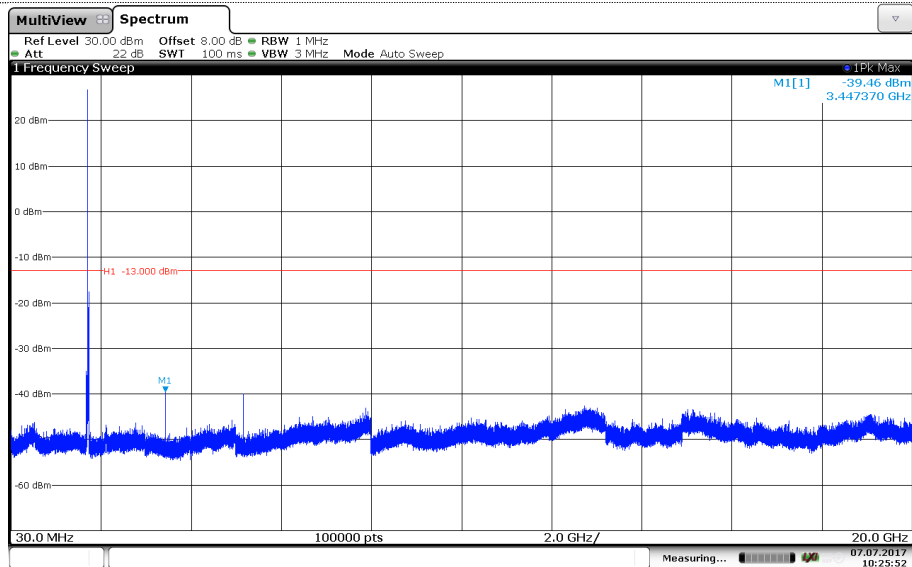
Channel High

### LTE Band 4-20MHz QPSK



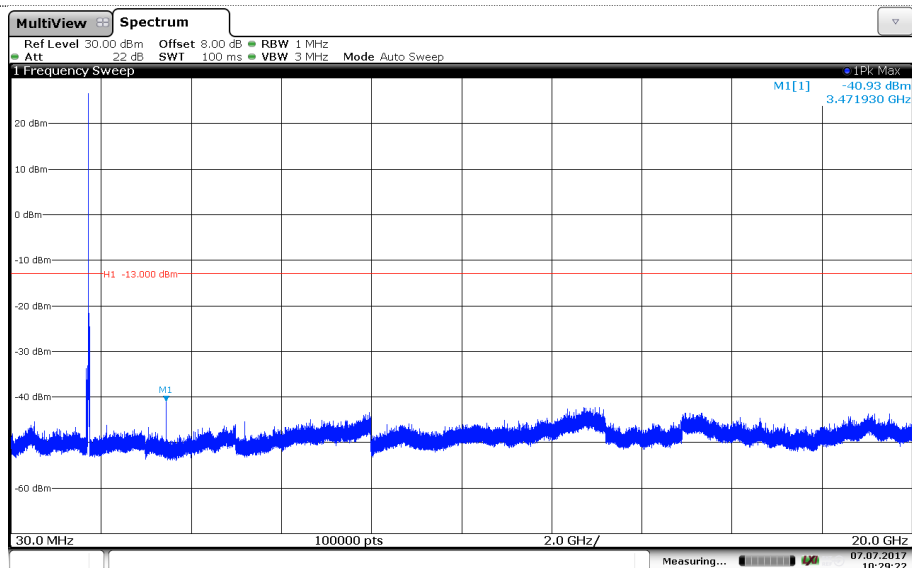
Date: 7.JUL.2017 10:26:27

### Channel Low



Date: 7.JUL.2017 10:25:53

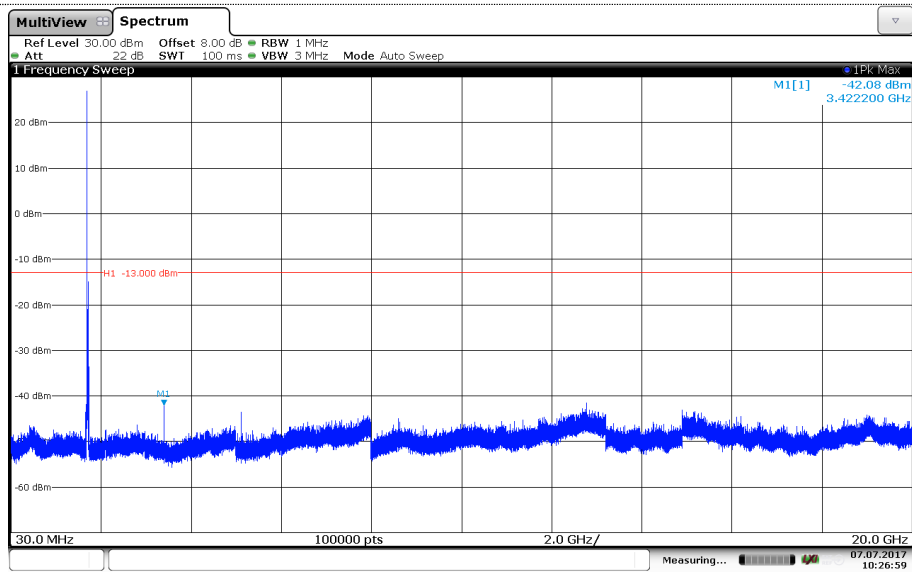
### Channel Mid



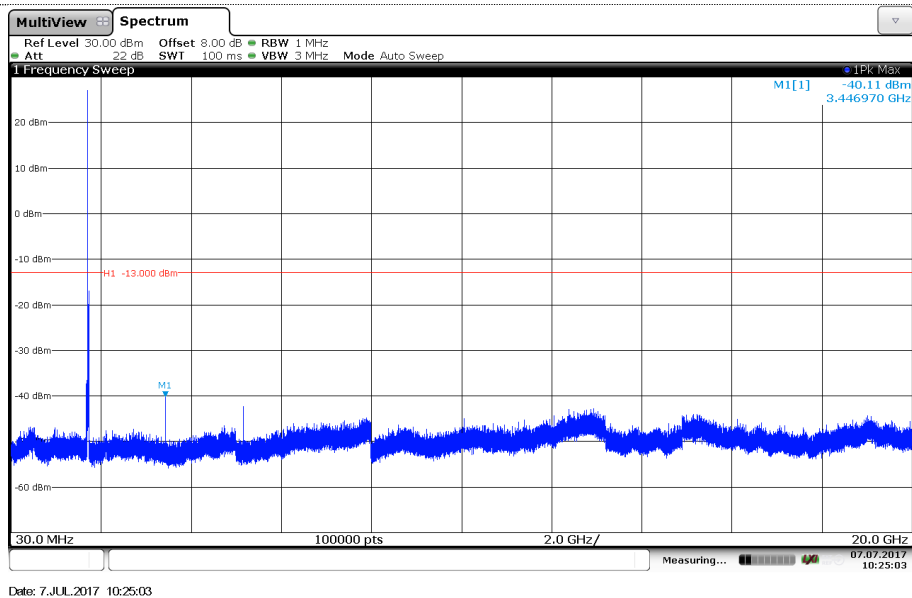
Date: 7.JUL.2017 10:29:22

### Channel High

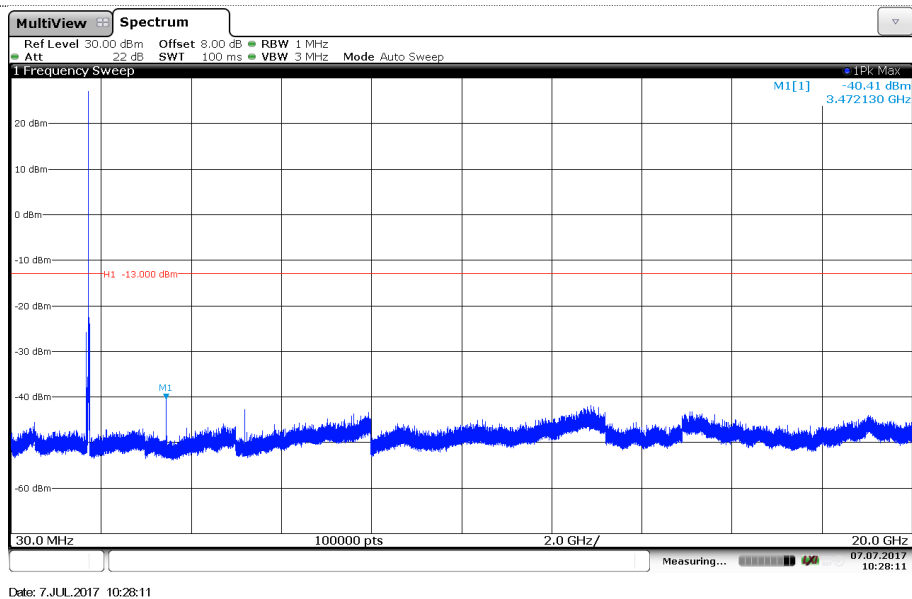
### LTE Band 4-20MHz 16QAM



### Channel Low



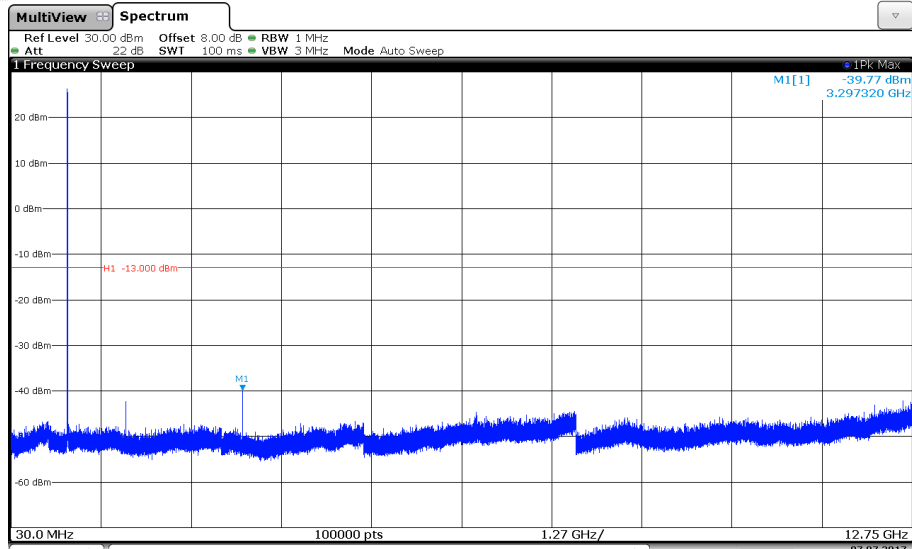
### Channel Mid



### Channel High

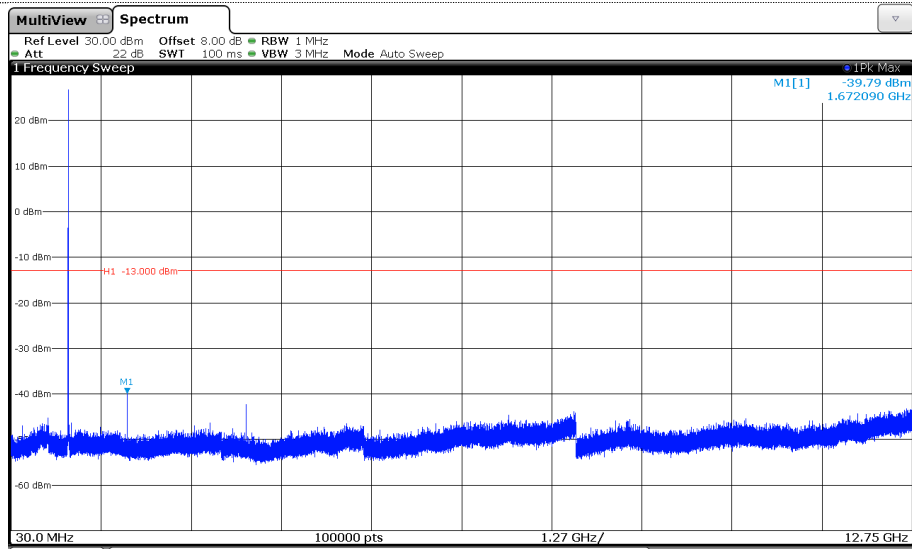
LTE Band 5-1.4MHz

QPSK



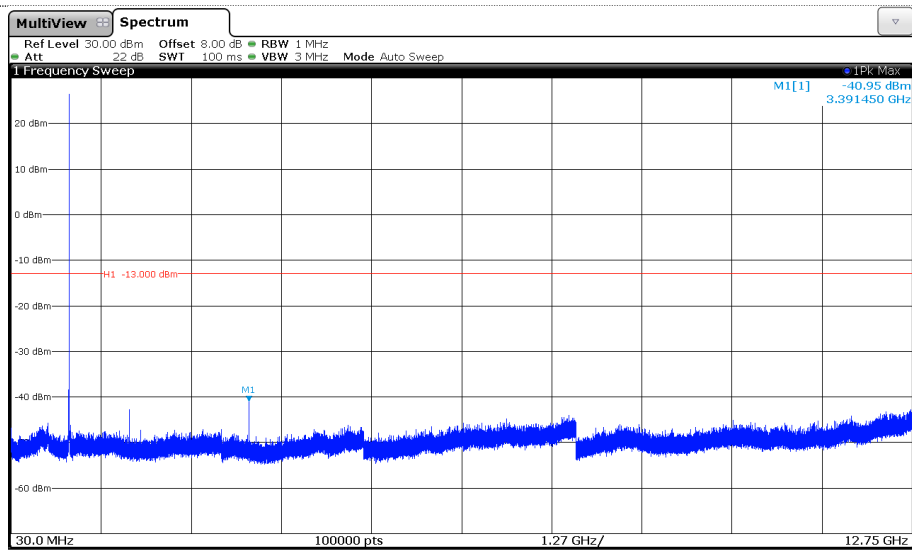
Date: 7.JUL.2017 10:31:52

Channel Low



Date: 7.JUL.2017 10:31:19

Channel Mid



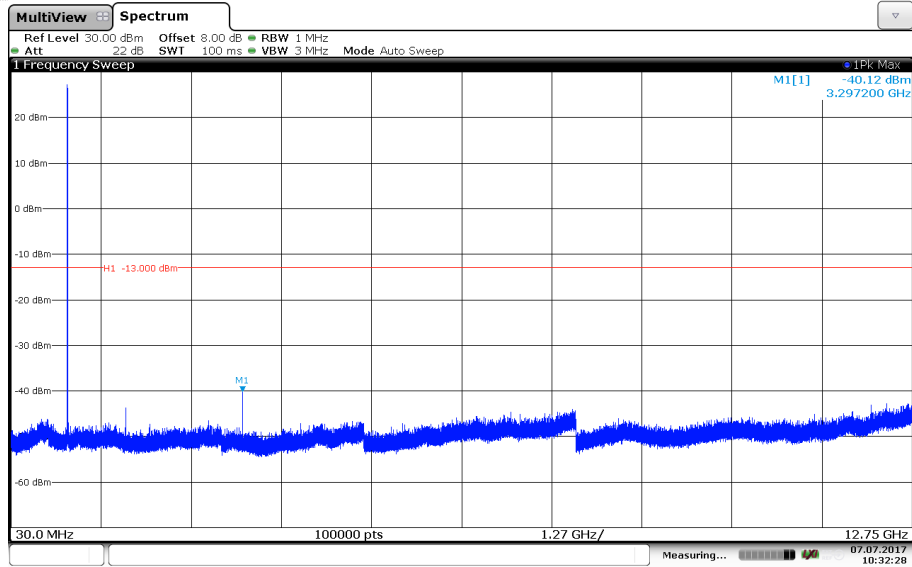
Date: 7.JUL.2017 10:33:41

Channel High

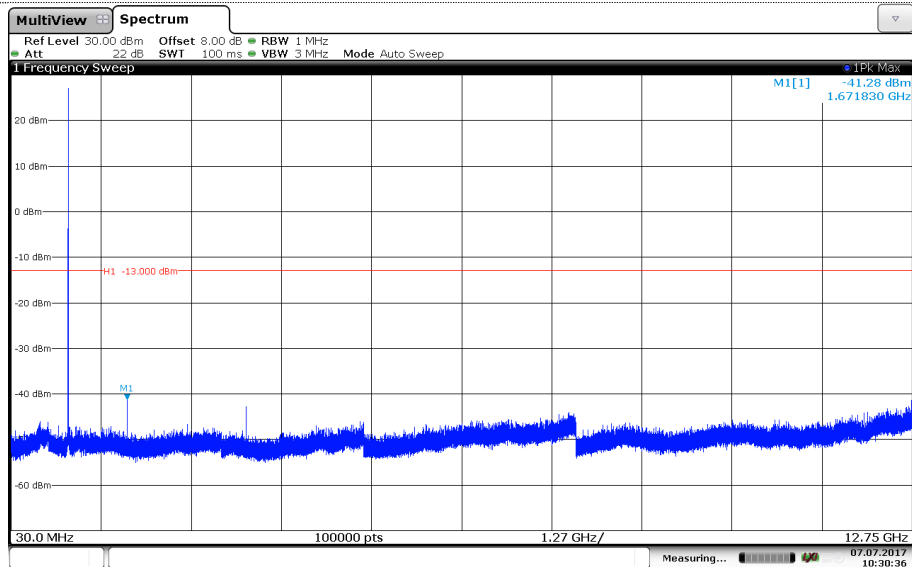


LTE Band 5-1.4MHz

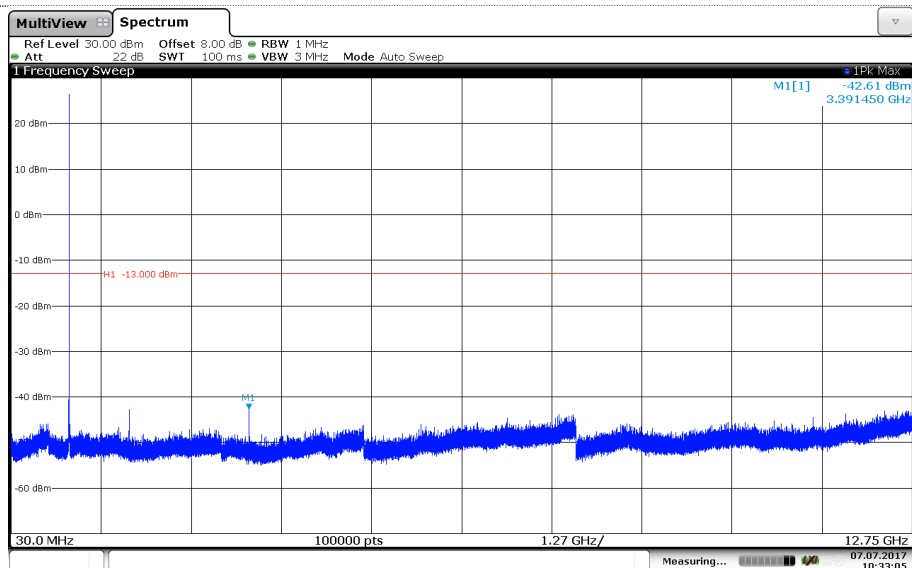
16QAM



Channel Low



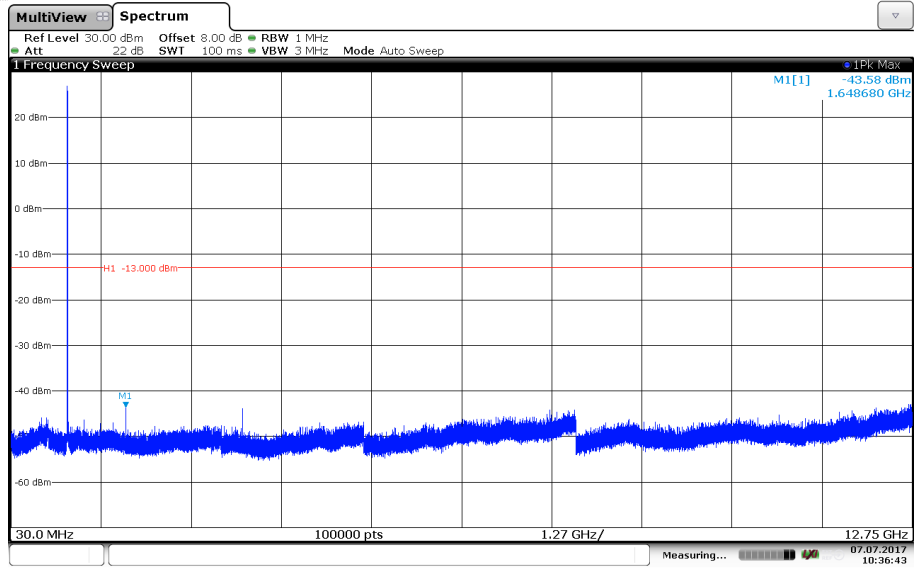
Channel Mid



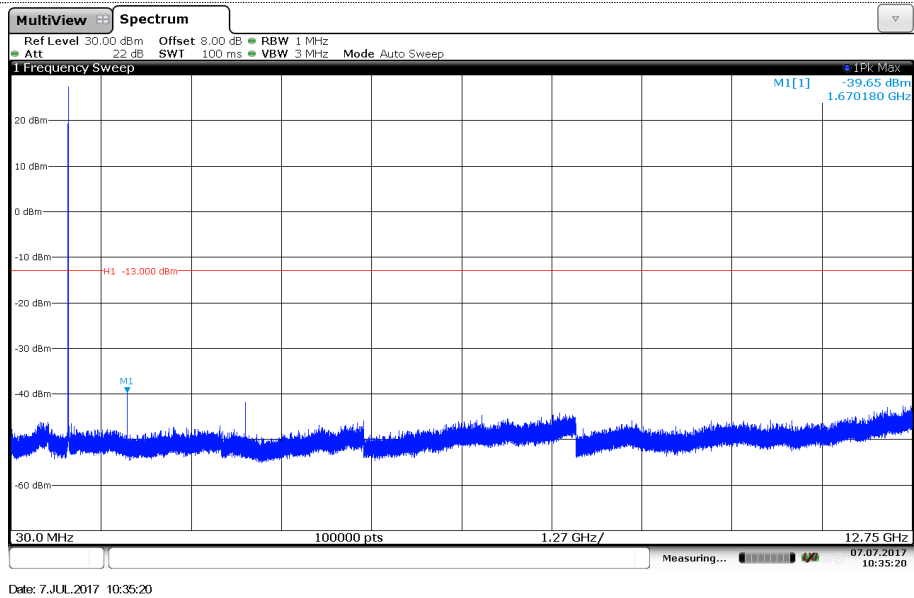
Channel High

LTE Band 5-3MHz

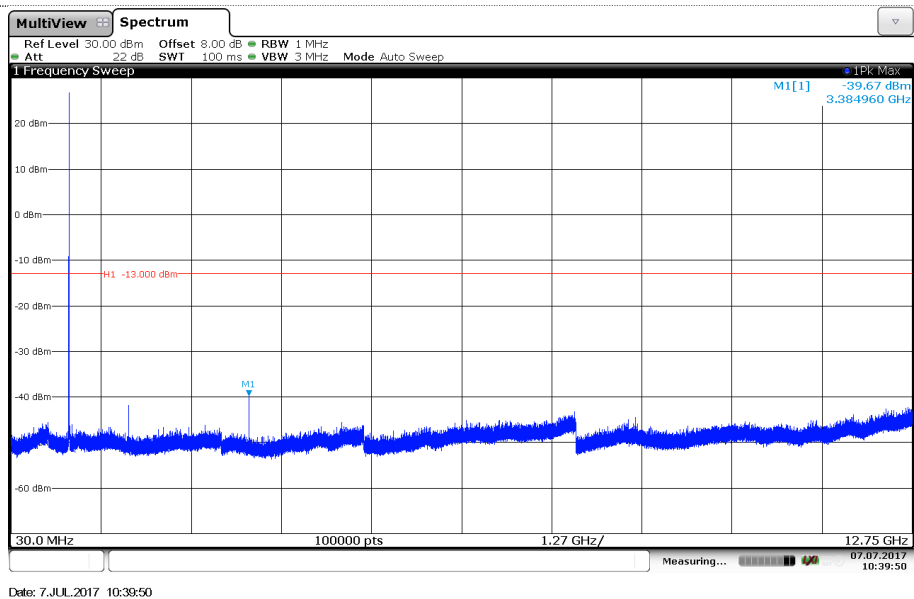
QPSK



Channel Low



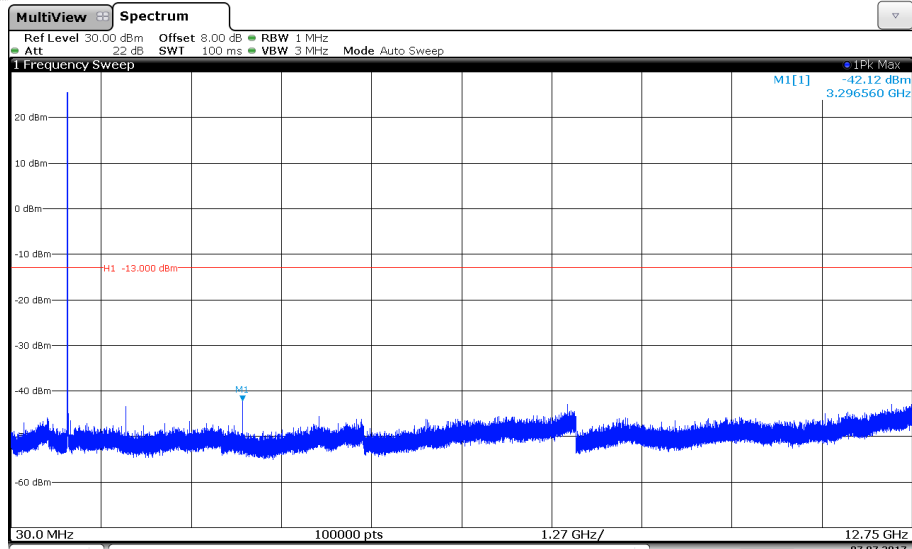
Channel Mid



Channel High

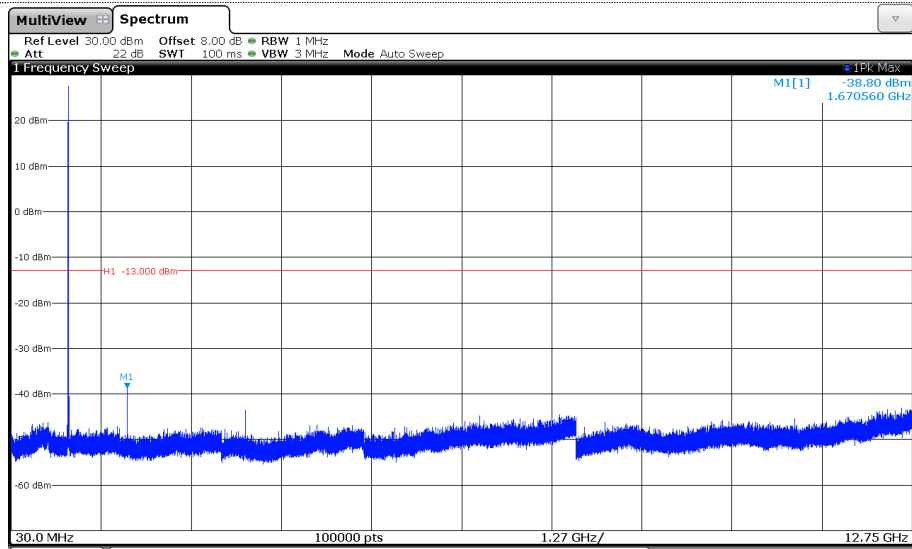
LTE Band 5-3MHz

16QAM



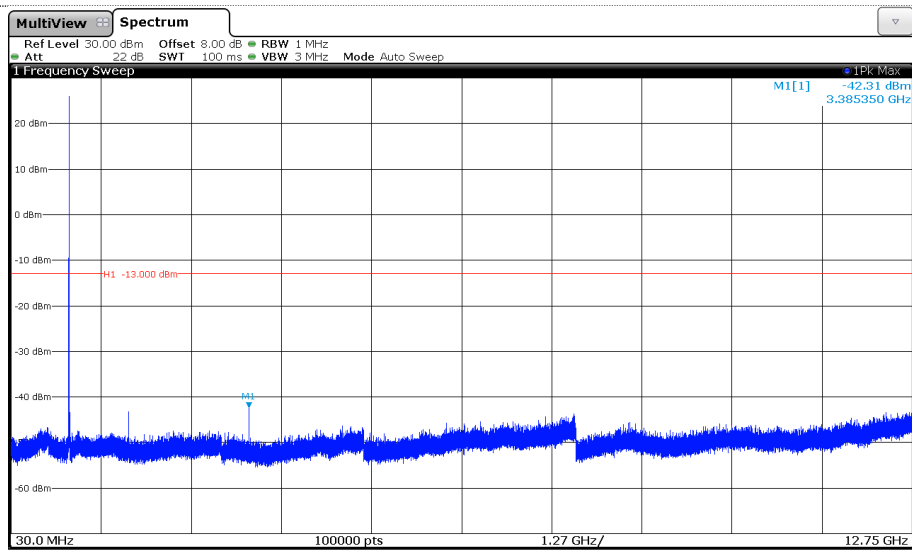
Date: 7.JUL.2017 10:37:21

Channel Low



Date: 7.JUL.2017 10:34:46

Channel Mid

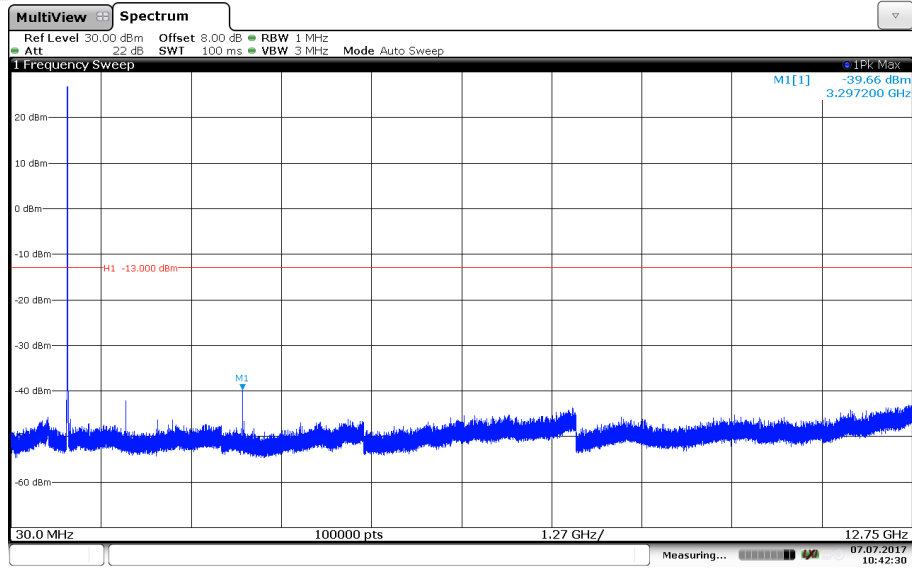


Date: 7.JUL.2017 10:37:54

Channel High

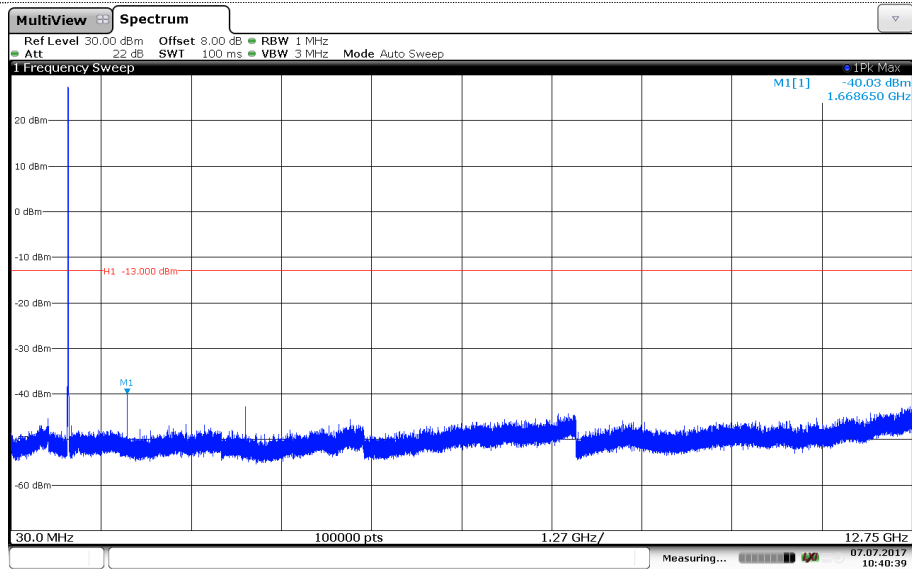
LTE Band 5-5MHz

QPSK



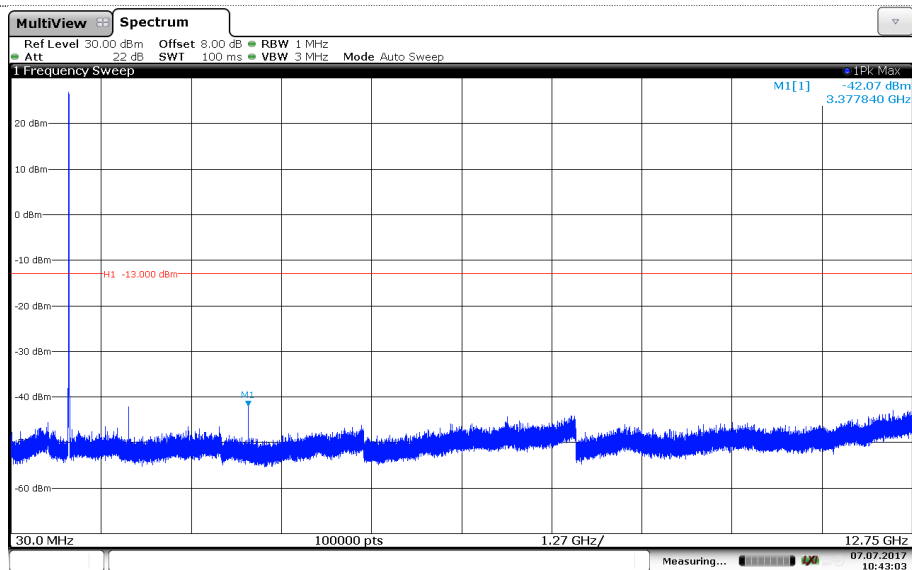
Date: 7.JUL.2017 10:42:30

Channel Low



Date: 7.JUL.2017 10:40:39

Channel Mid

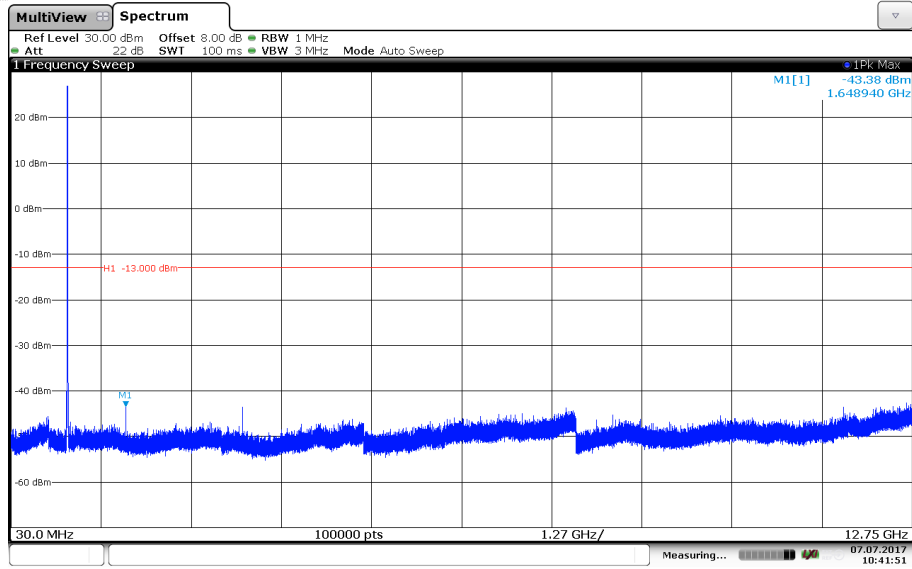


Date: 7.JUL.2017 10:43:03

Channel High

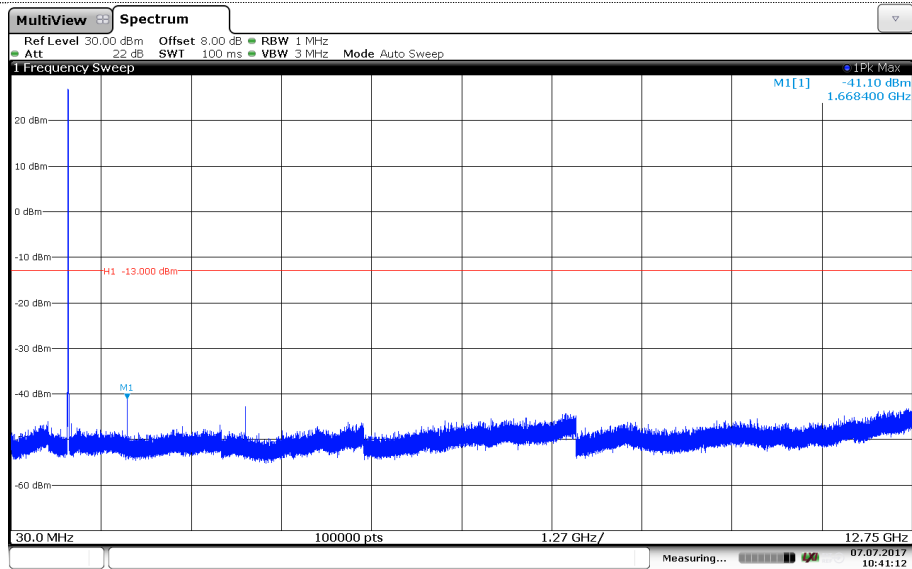
LTE Band 5-5MHz

16QAM



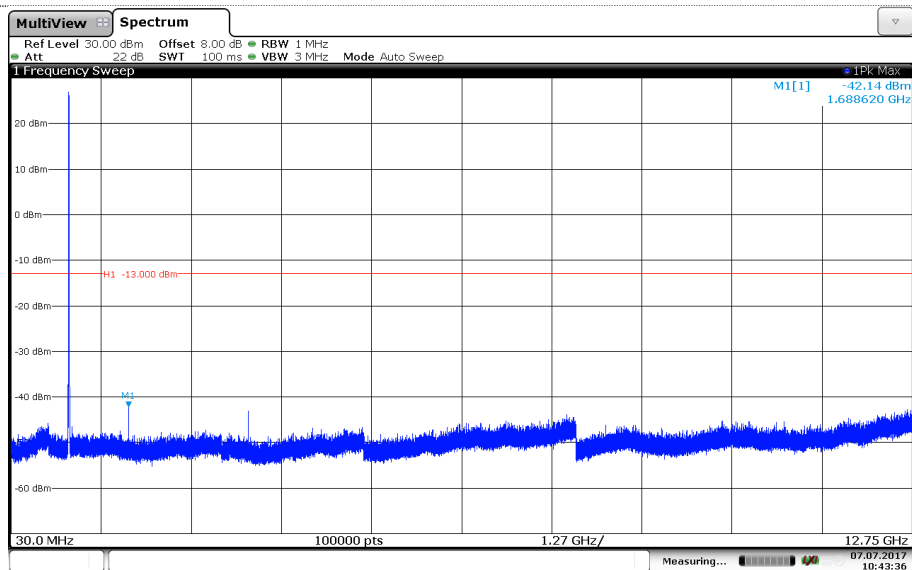
Date: 7.JUL.2017 10:41:51

Channel Low



Date: 7.JUL.2017 10:41:12

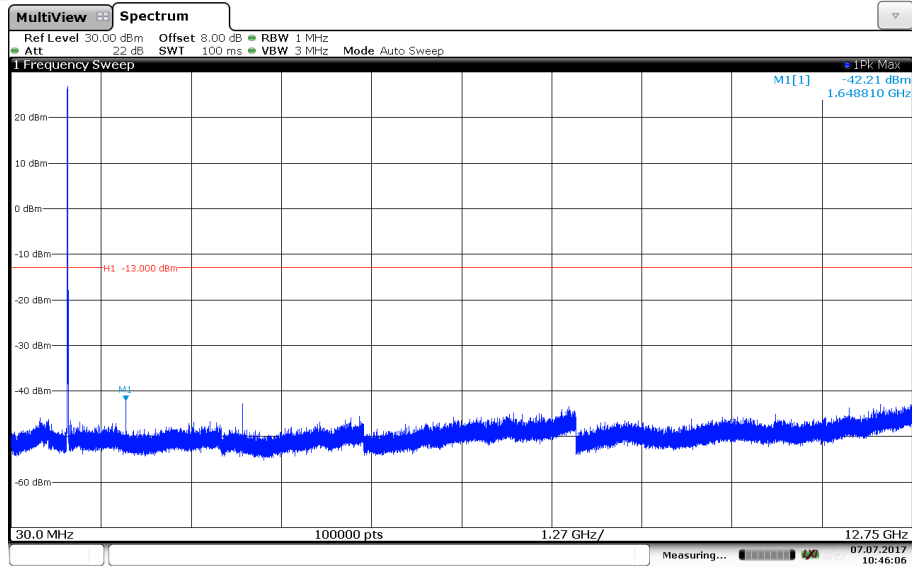
Channel Mid



Date: 7.JUL.2017 10:43:36

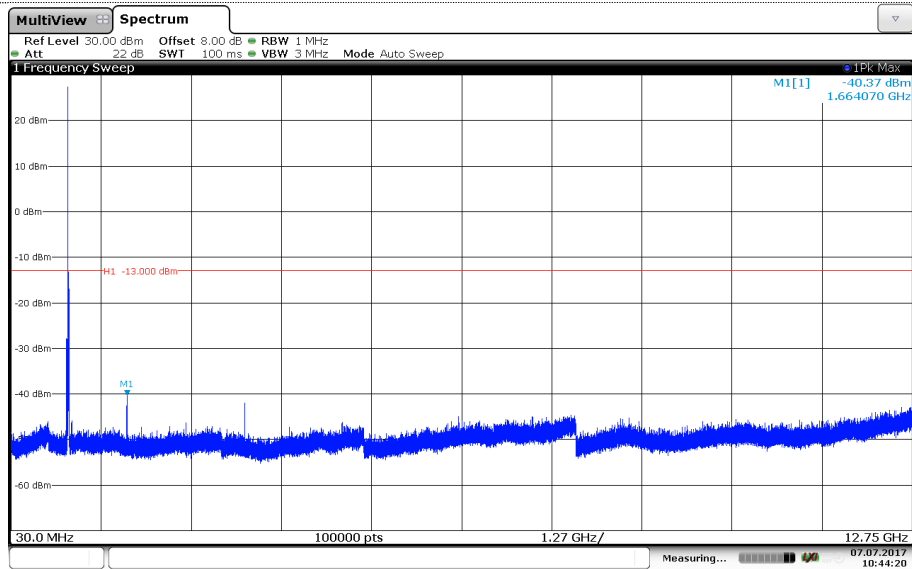
Channel High

### LTE Band 5-10MHz QPSK



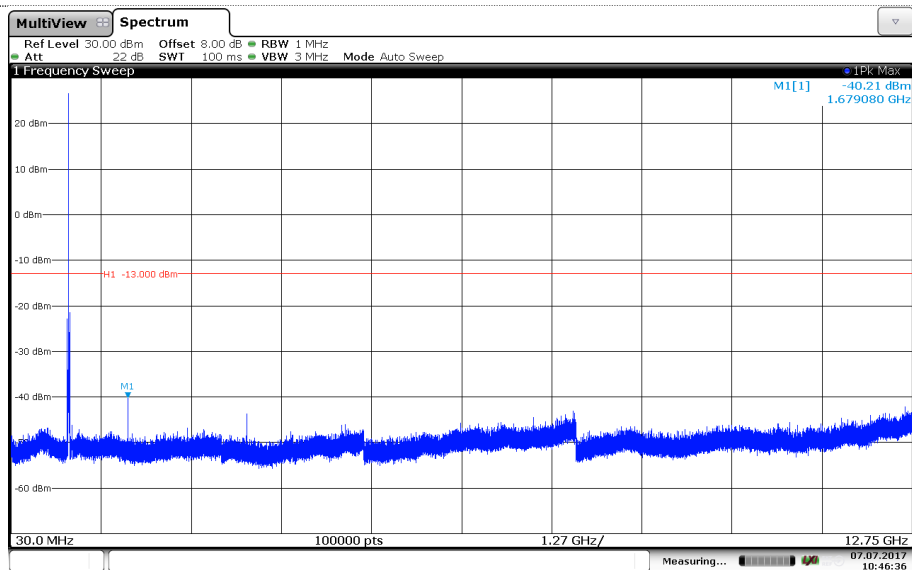
Date: 7.JUL.2017 10:46:06

### Channel Low



Date: 7.JUL.2017 10:44:20

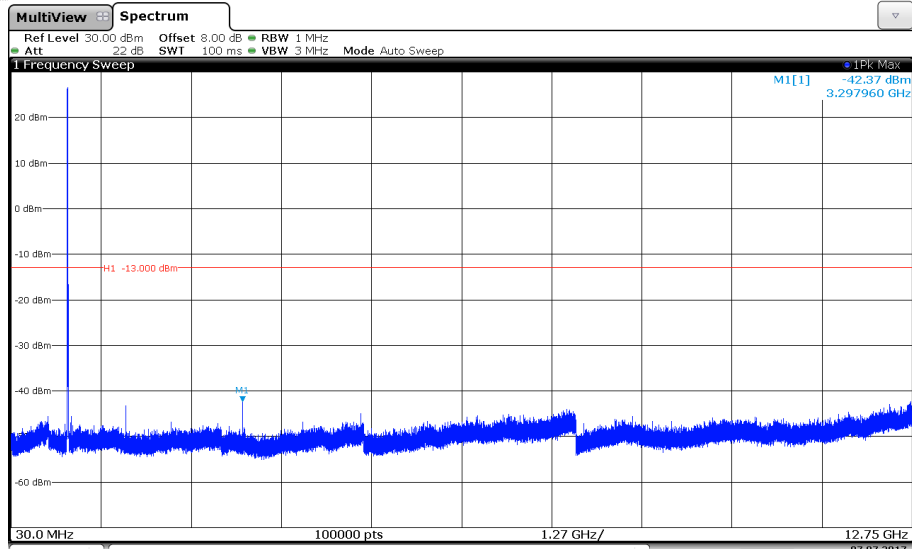
### Channel Mid



Date: 7.JUL.2017 10:46:36

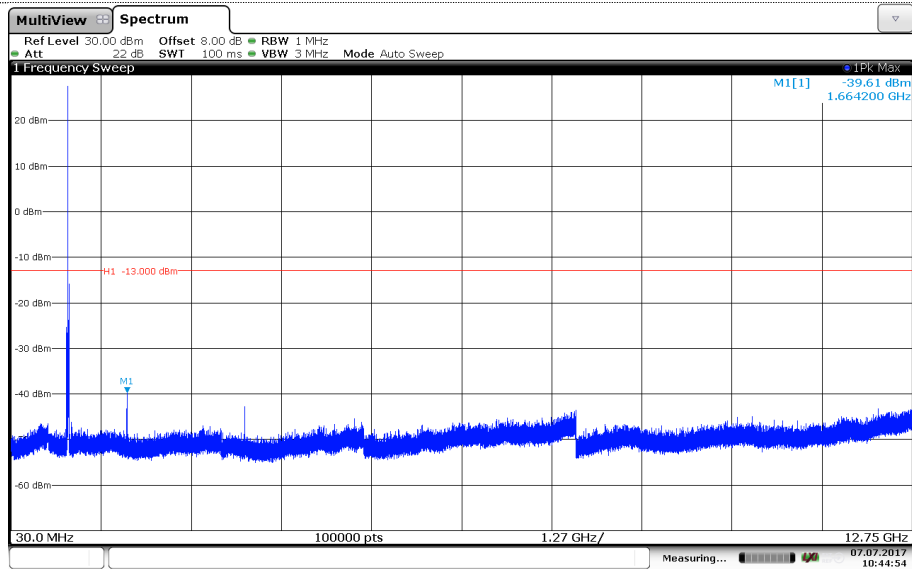
### Channel High

LTE Band 5-10MHz  
16QAM



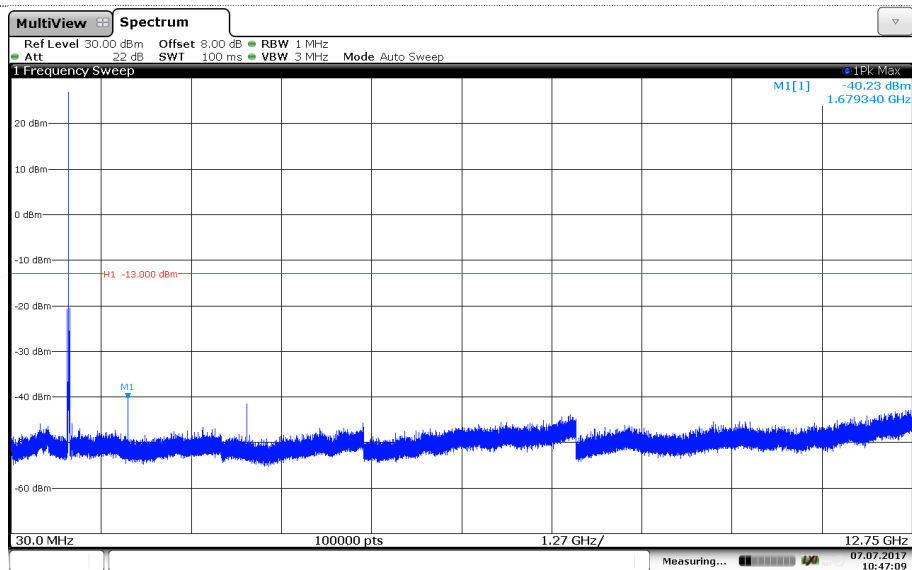
Date: 7.JUL.2017 10:45:34

Channel Low



Date: 7.JUL.2017 10:44:54

Channel Mid

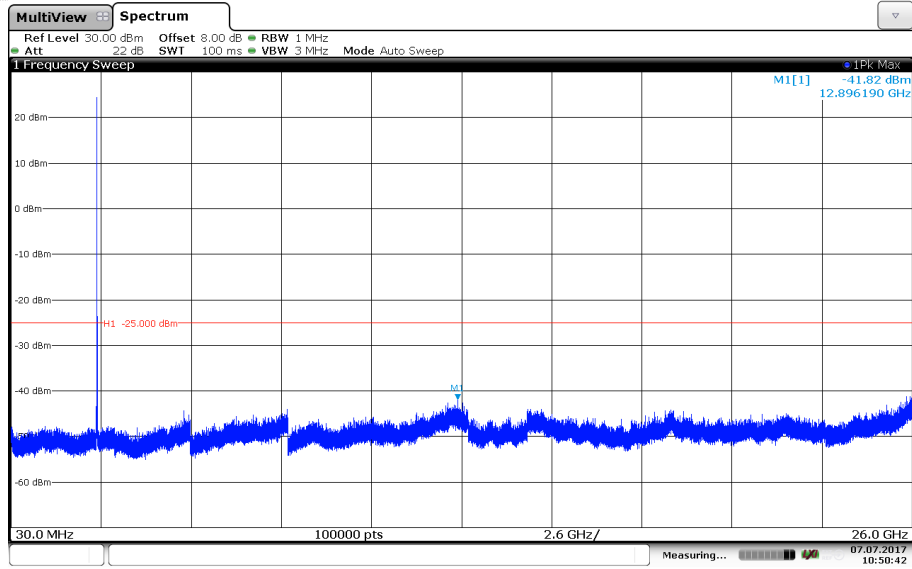


Date: 7.JUL.2017 10:47:09

Channel High

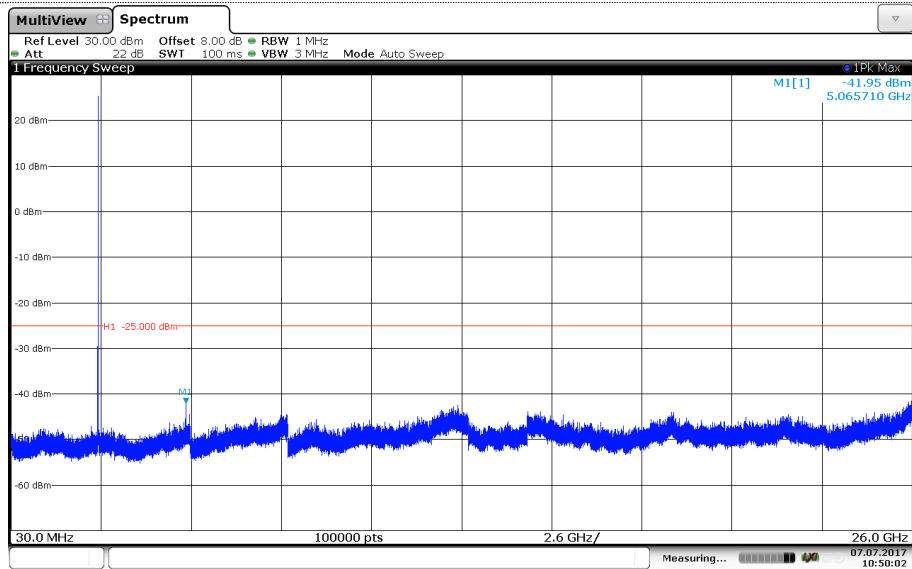
LTE Band 7-5MHz

QPSK



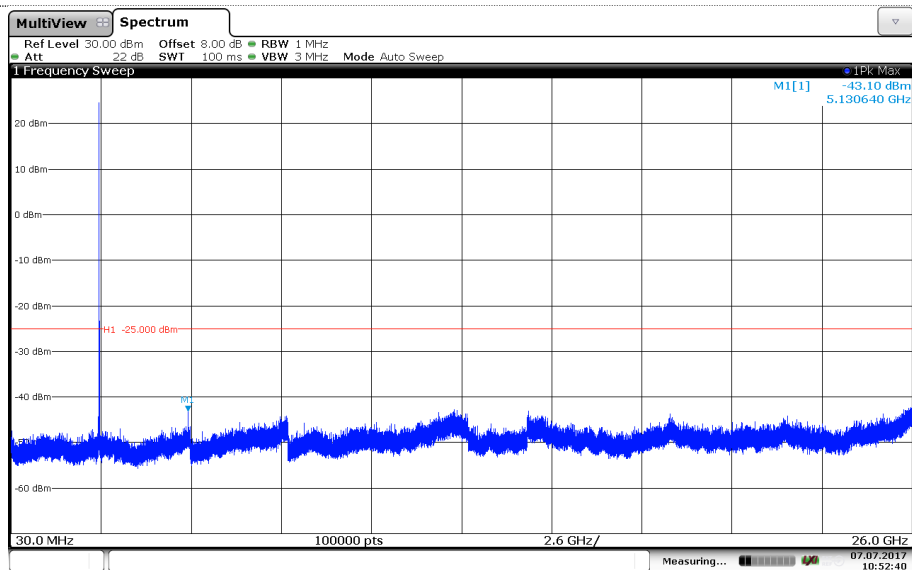
Date: 7.JUL.2017 10:50:41

Channel Low



Date: 7.JUL.2017 10:50:02

Channel Mid



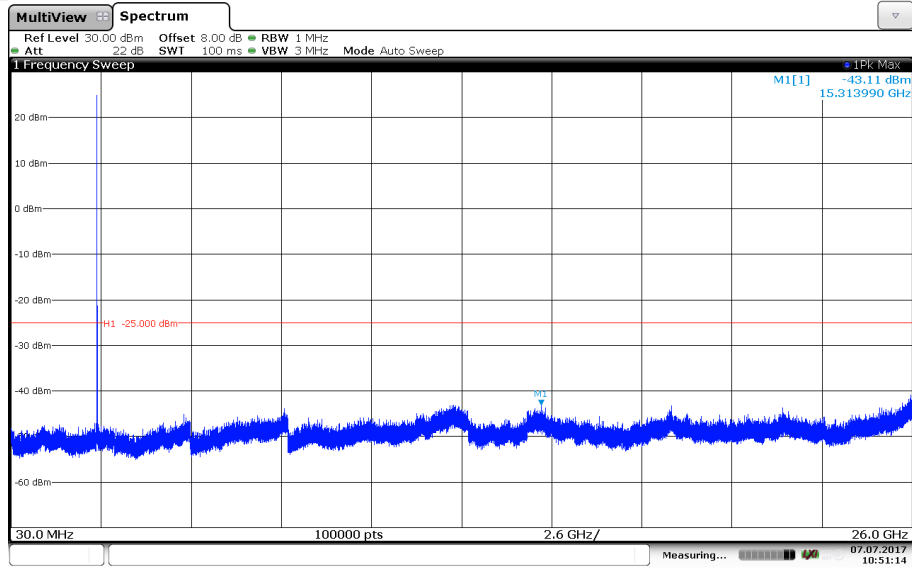
Date: 7.JUL.2017 10:52:40

Channel High

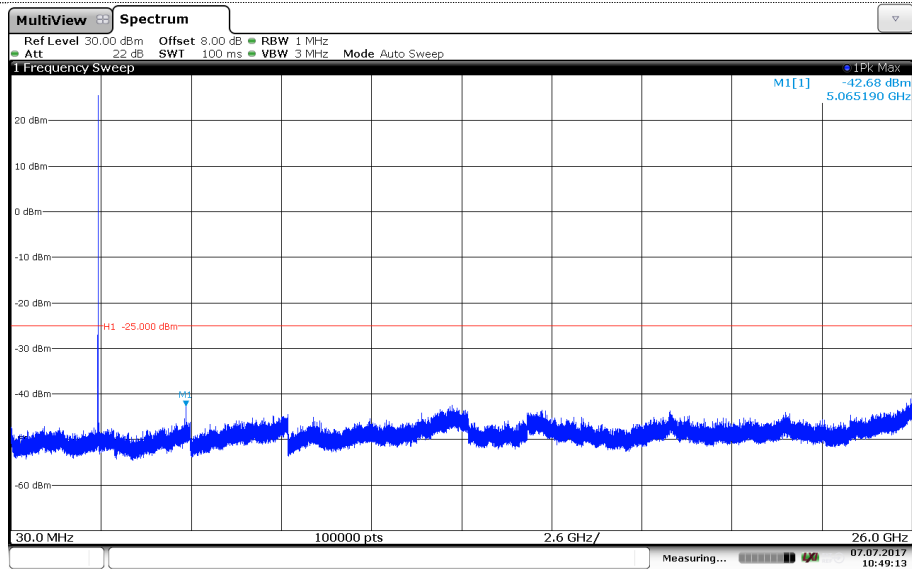


LTE Band 7-5MHz

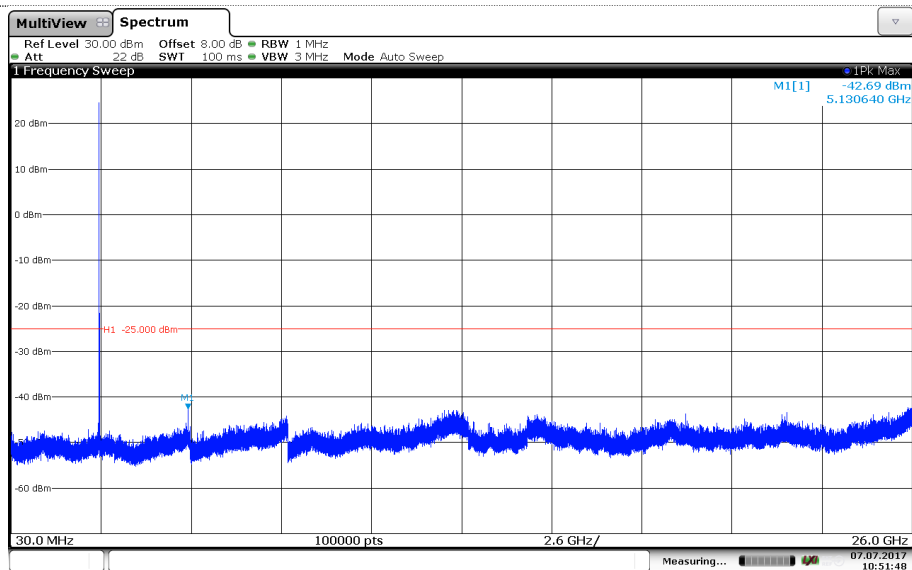
16QAM



Channel Low

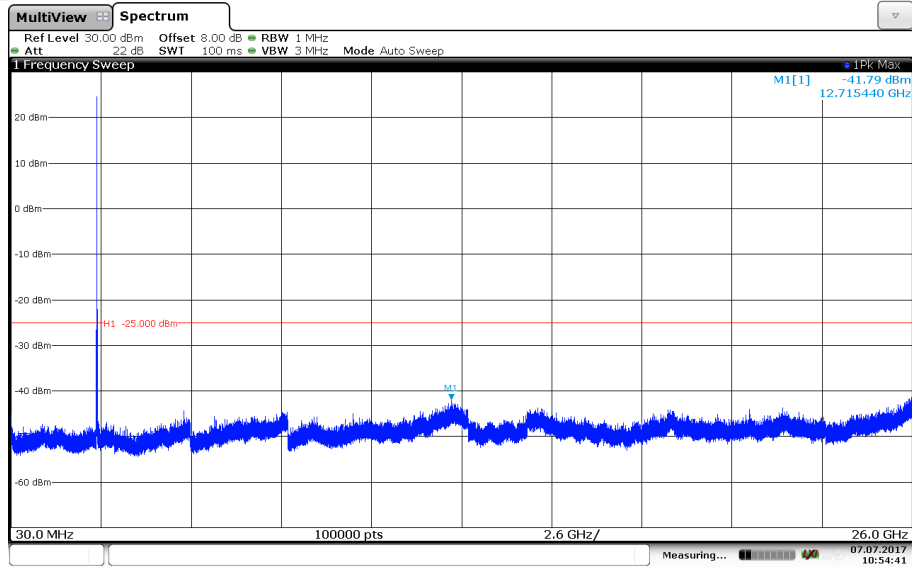


Channel Mid



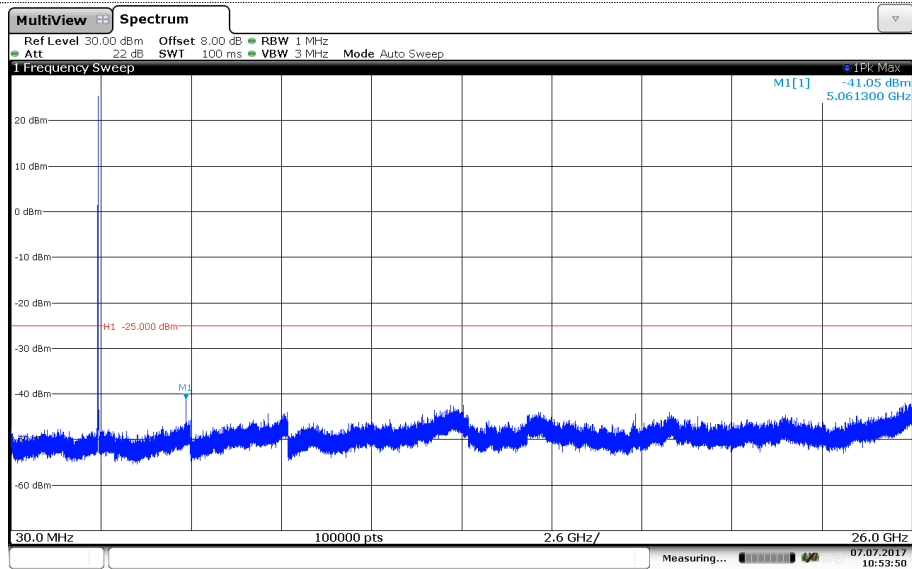
Channel High

### LTE Band 7-10MHz QPSK



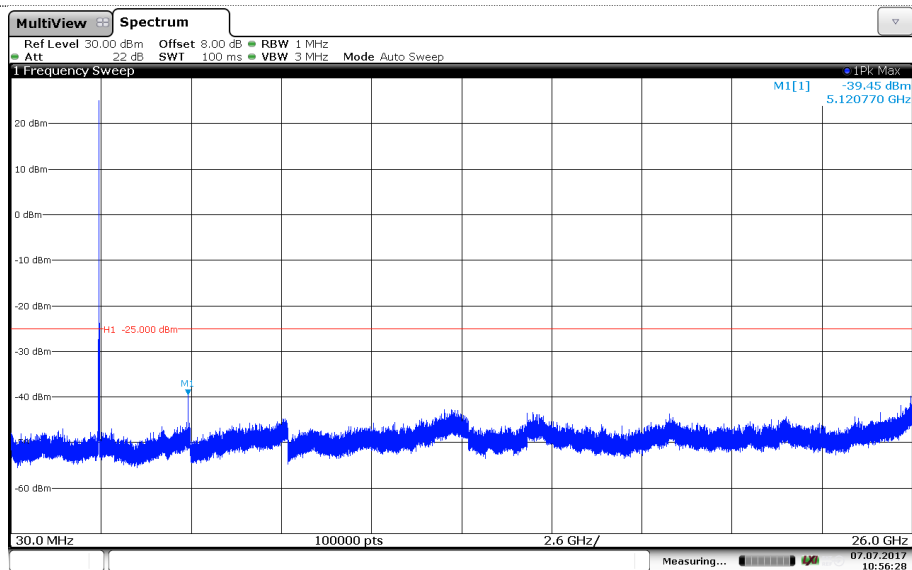
Date: 7.JUL.2017 10:54:41

### Channel Low



Date: 7.JUL.2017 10:53:50

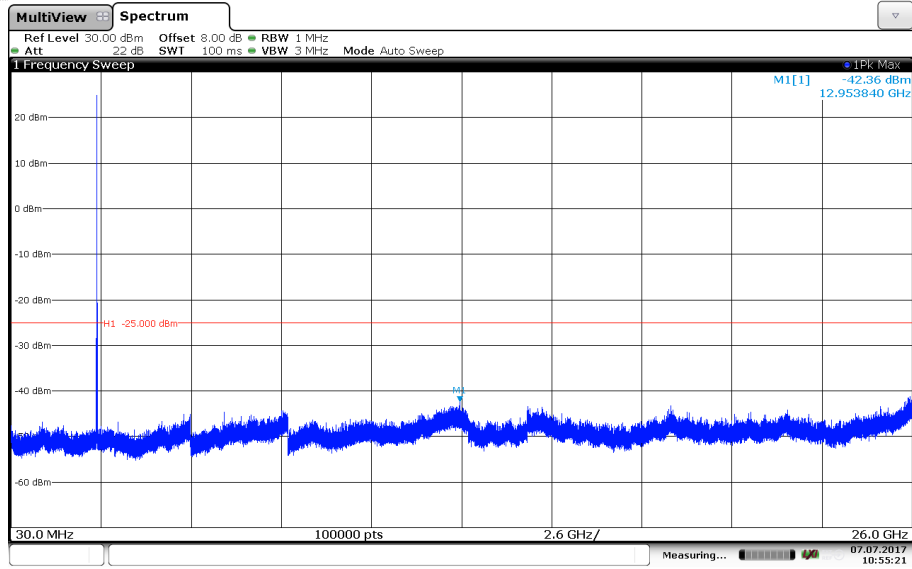
### Channel Mid



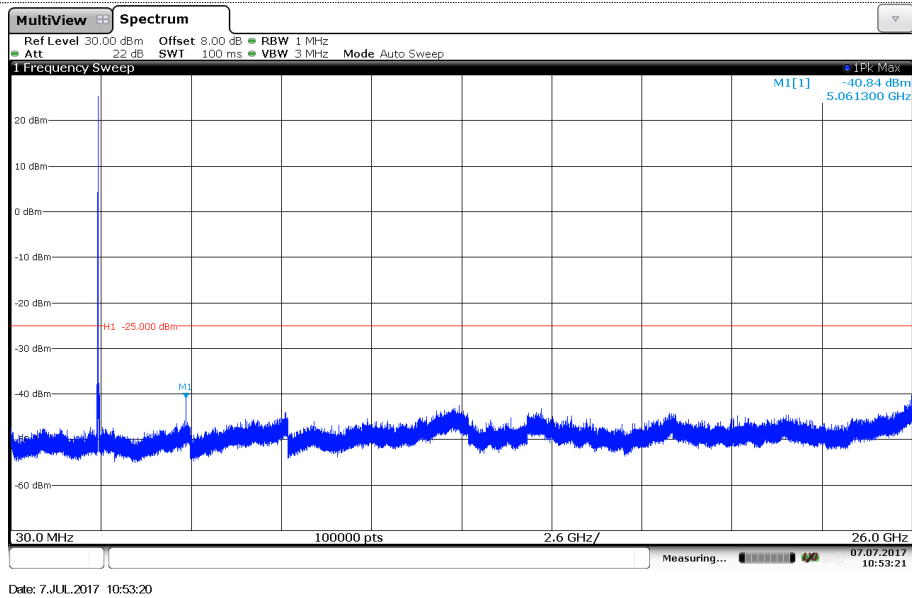
Date: 7.JUL.2017 10:56:28

### Channel High

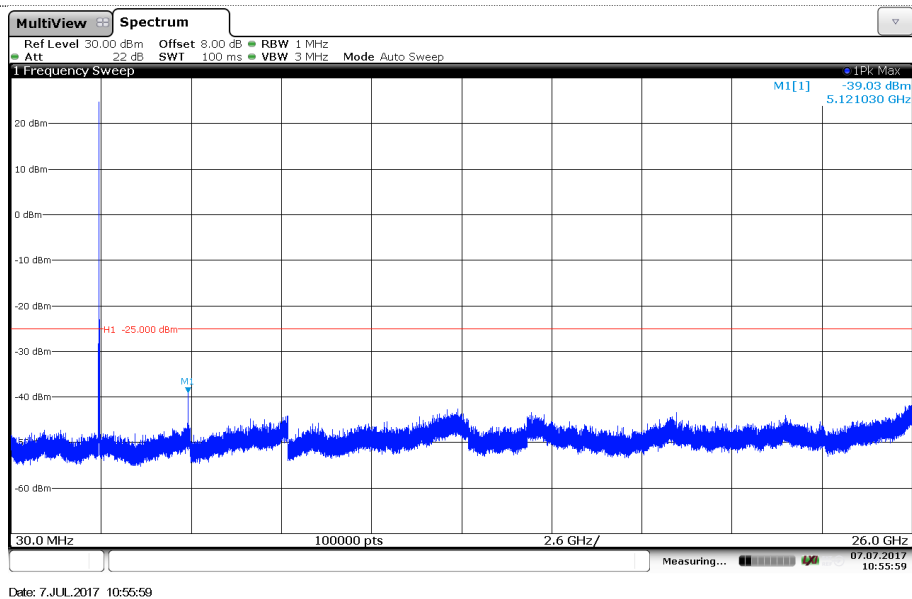
### LTE Band 7-10MHz 16QAM



### Channel Low

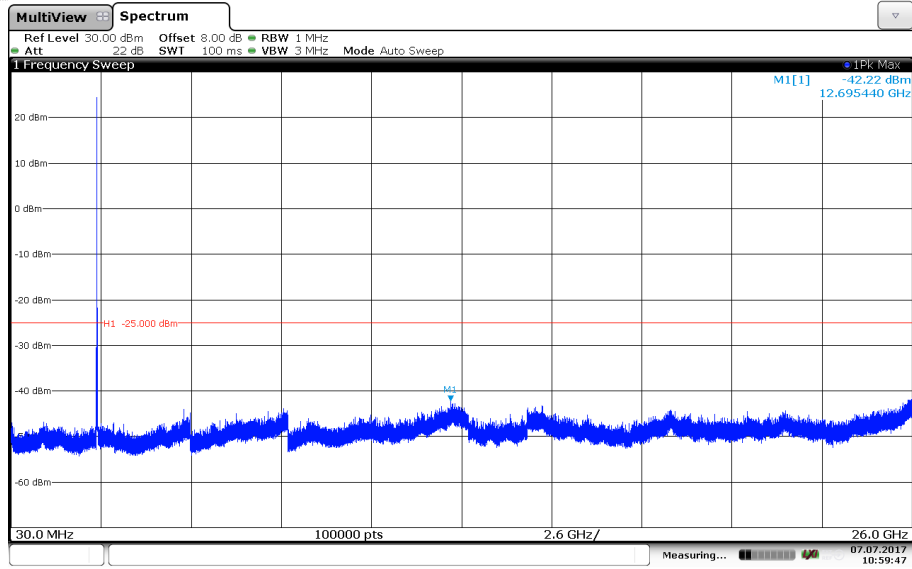


### Channel Mid



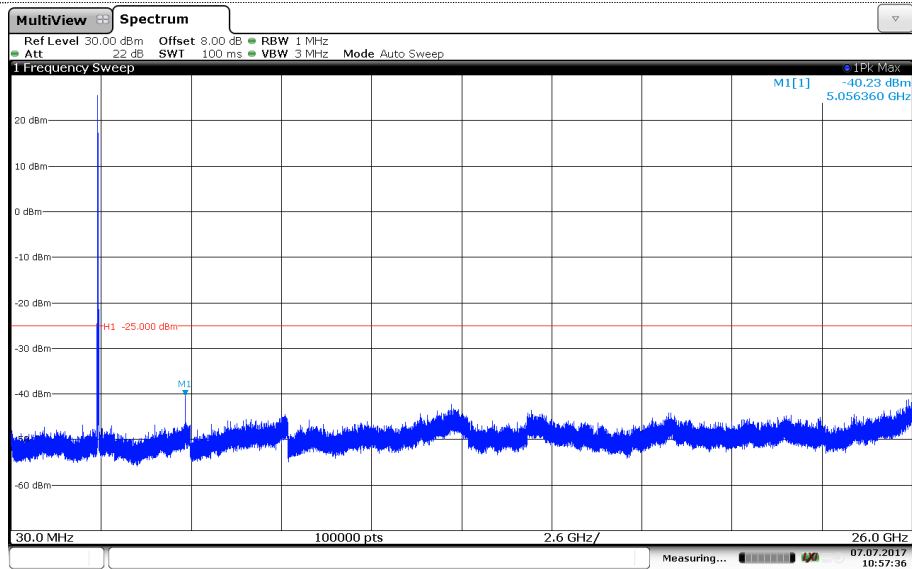
### Channel High

### LTE Band 7-15MHz QPSK



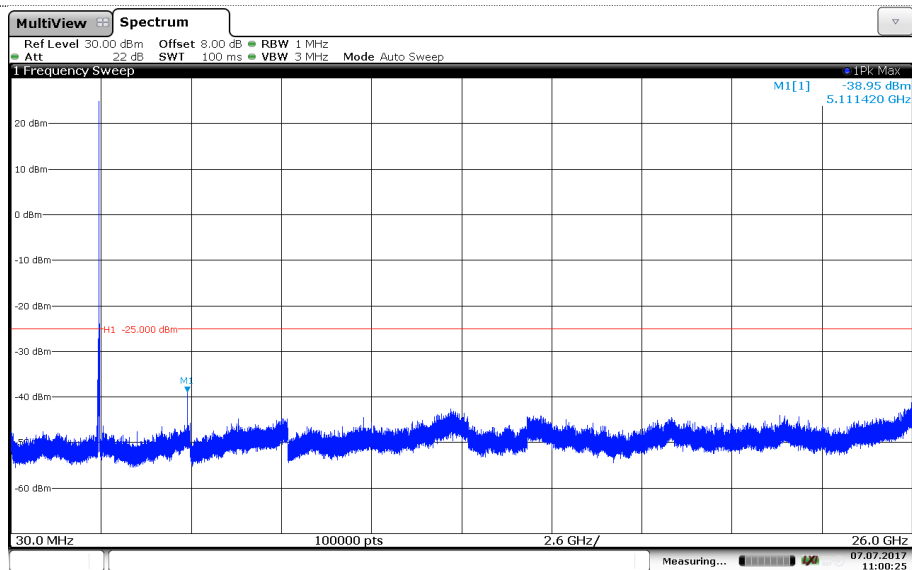
Date: 7.JUL.2017 10:59:47

### Channel Low



Date: 7.JUL.2017 10:57:37

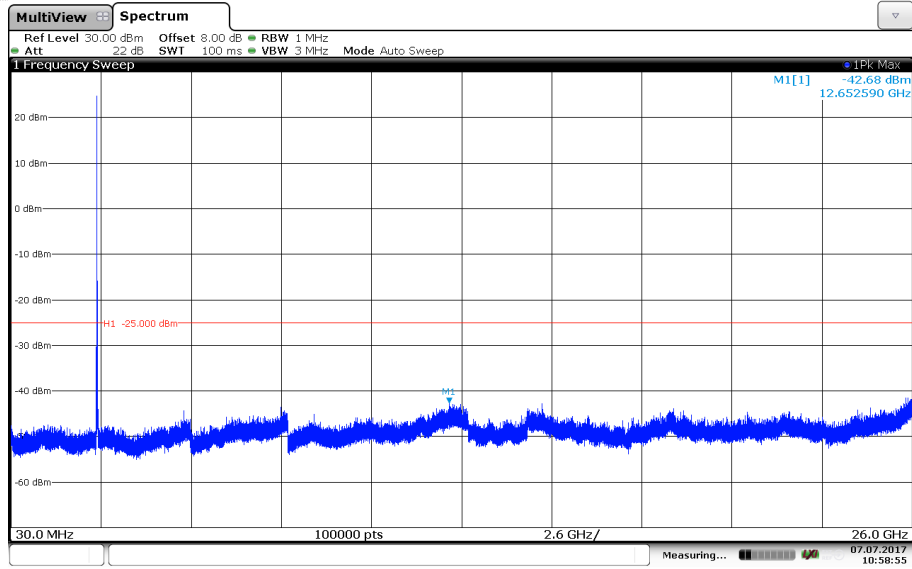
### Channel Mid



Date: 7.JUL.2017 11:00:24

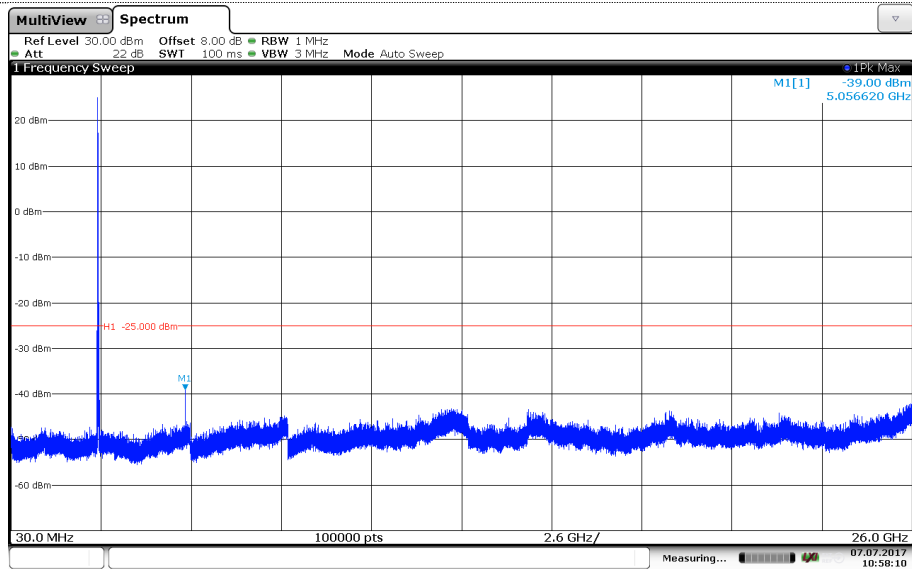
### Channel High

LTE Band 7-15MHz  
16QAM



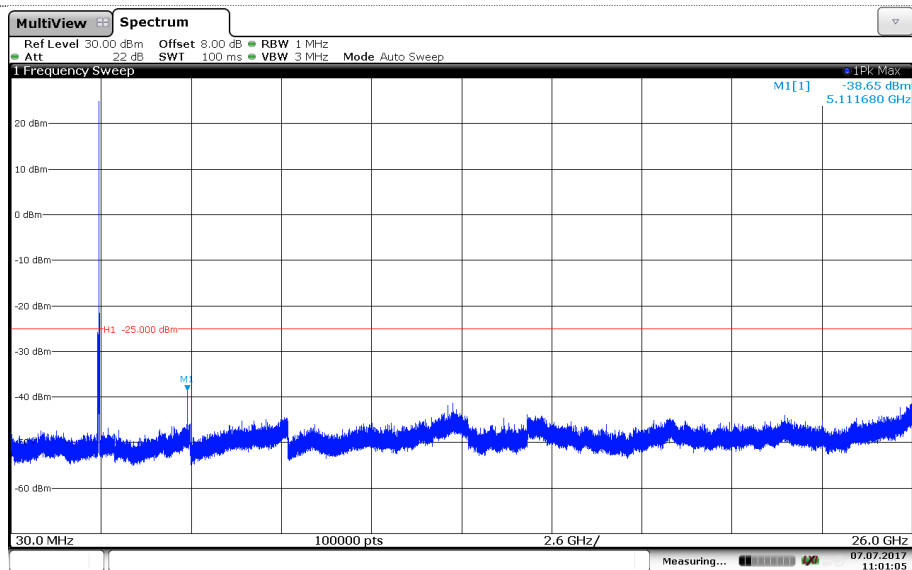
Date: 7.JUL.2017 10:58:56

Channel Low



Date: 7.JUL.2017 10:58:10

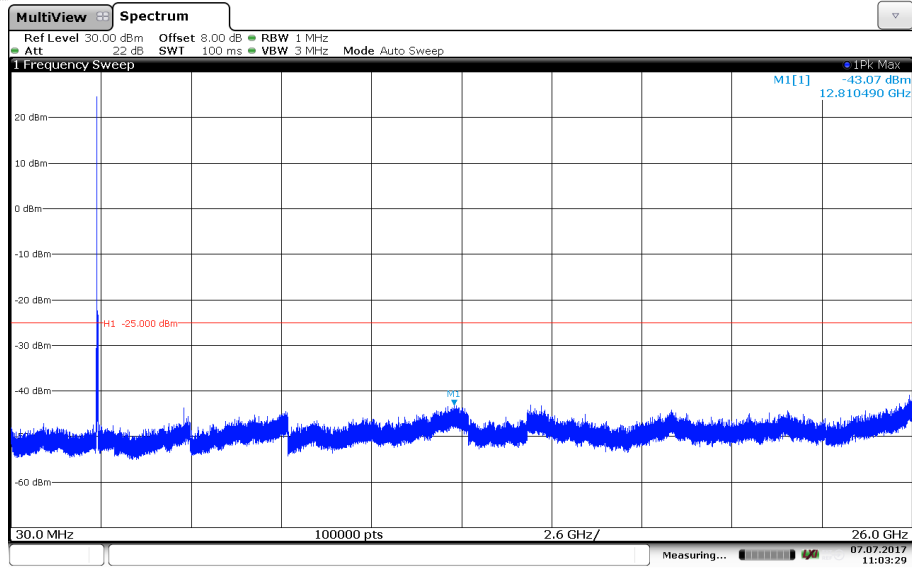
Channel Mid



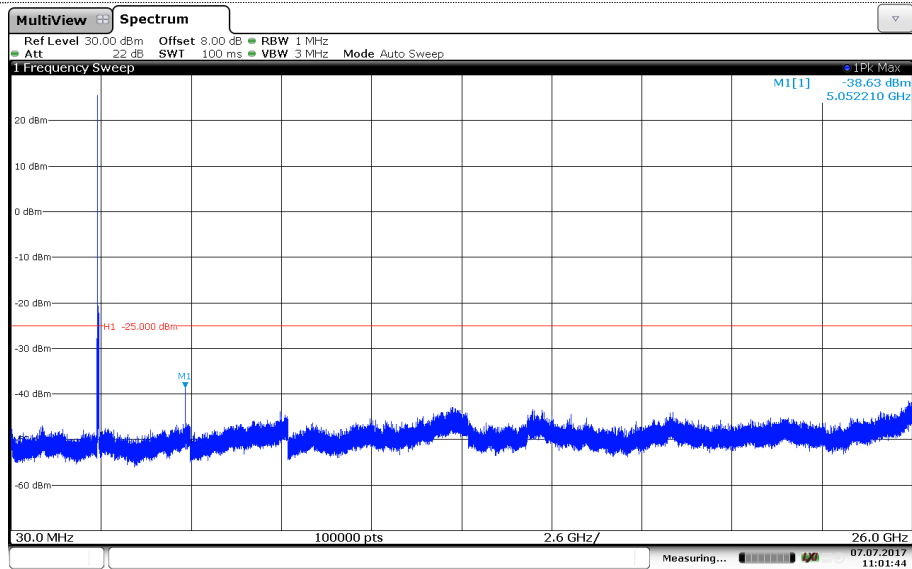
Date: 7.JUL.2017 11:01:06

Channel High

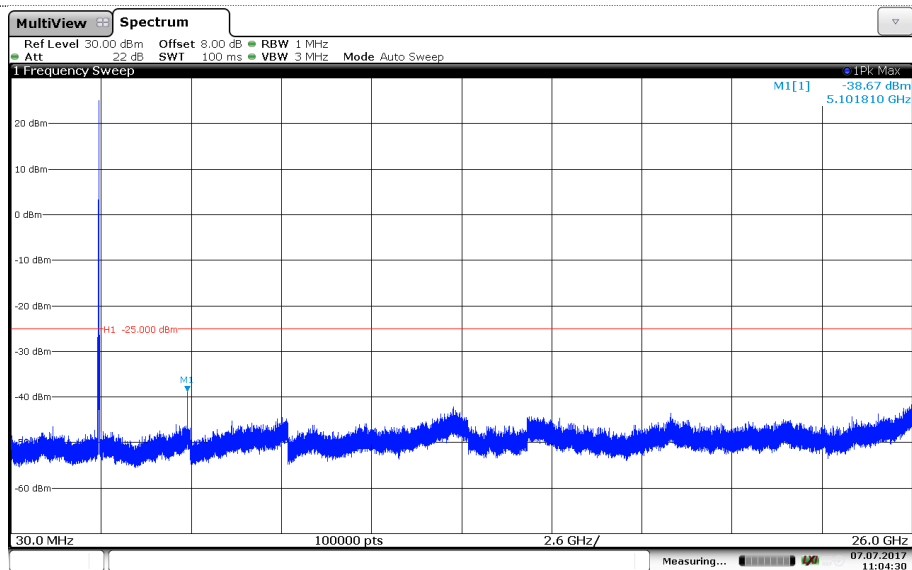
LTE Band 7-20MHz  
QPSK



Channel Low

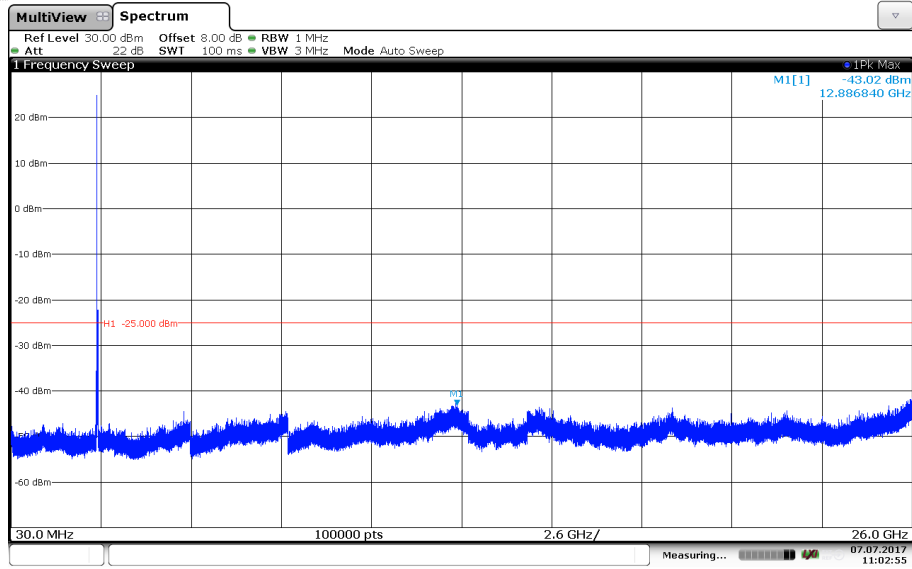


Channel Mid



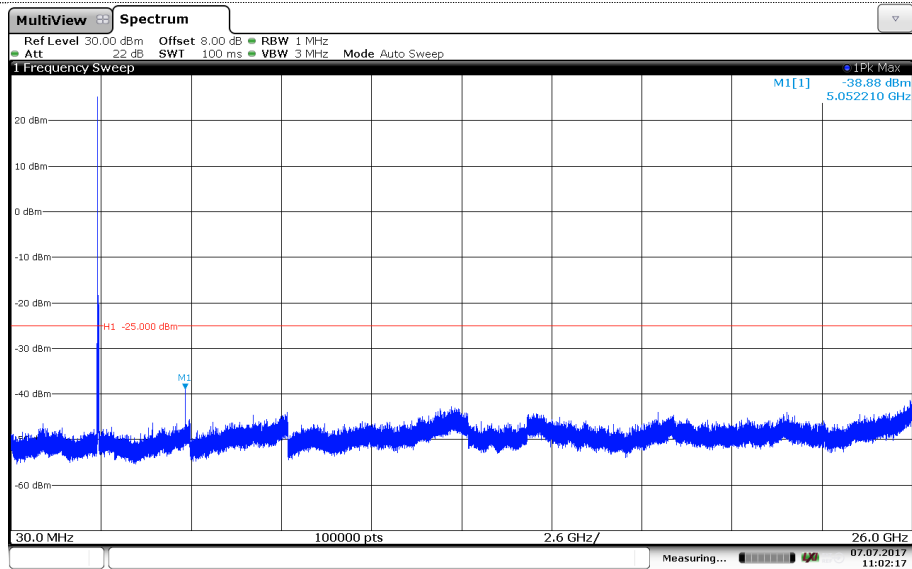
Channel High

### LTE Band 7-20MHz 16QAM



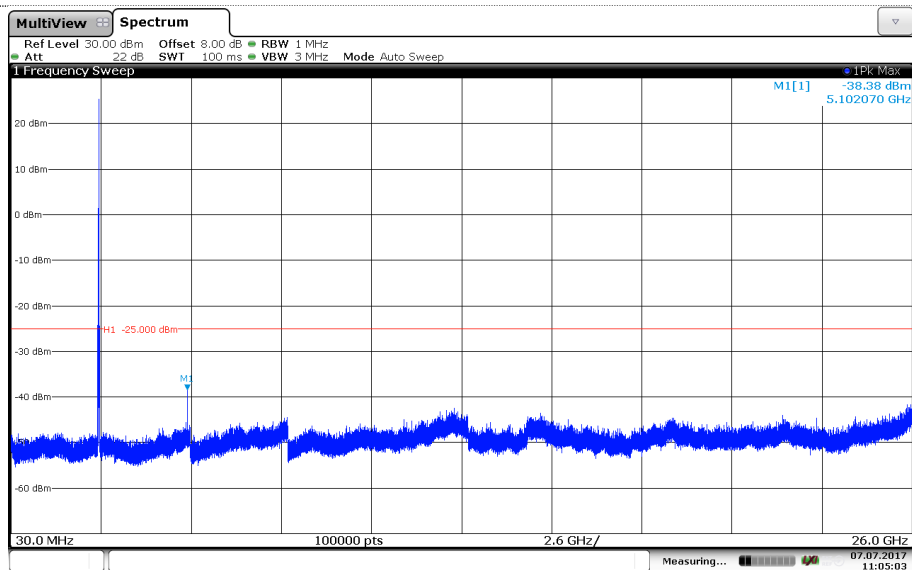
Date: 7.JUL.2017 11:02:54

### Channel Low



Date: 7.JUL.2017 11:02:17

### Channel Mid



Date: 7.JUL.2017 11:05:03

### Channel High

## 5.4. Band Edge

### LIMIT

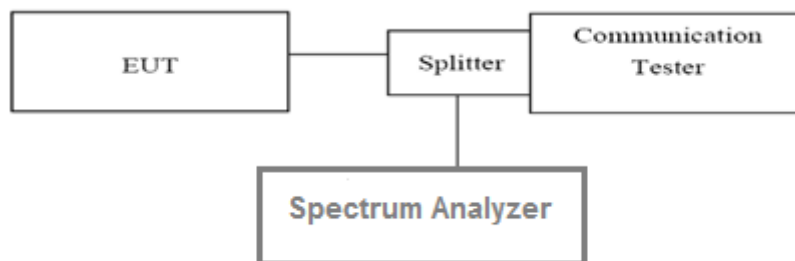
Part 24.238 and Part 22.917 and Part 27.53h(1) specify that the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log(P)$  dB.

The specification that emissions shall be attenuated below the transmitter power (P) by at least  $43 + 10 \log(P)$  dB, translates in the relevant power range (1 to 0.001 W) to -13 dBm. At 1 W the specified minimum attenuation becomes 43 dB and relative to a 30 dBm (1 W) carrier becomes a limit of -13 dBm. At 0.001 W (0 dBm) the minimum attenuation is 13 dB, which again yields a limit of -13 dBm. In this way a translation of the specification from relative to absolute terms is carried out.

LTE Band 7

Part 27.53 m(4) For mobile digital stations, the attenuation factor shall be not less than  $40 + 10 \log(P)$  dB on all frequencies between the channel edge and 5 megahertz from the channel edge,  $43 + 10 \log(P)$  dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and  $55 + 10 \log(P)$  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.

### TEST CONFIGURATION



### TEST PROCEDURE

1. The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation.
2. The band edges of low and high channels for the highest RF powers were measured. Set  $RBW \geq 1\%$  EBW in the 1MHz band immediately outside and adjacent to the band edge.
3. Set spectrum analyzer with RMS detector.

### TEST MODE:

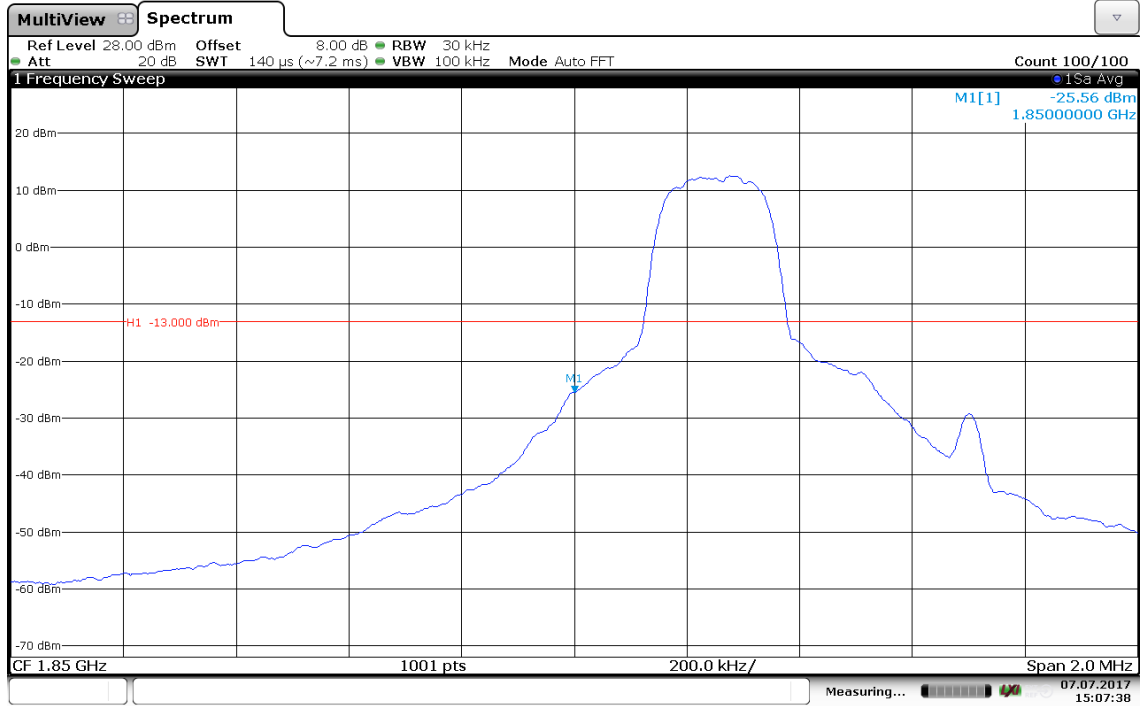
Please refer to the clause 3.3

### TEST RESULTS

Passed  Not Applicable

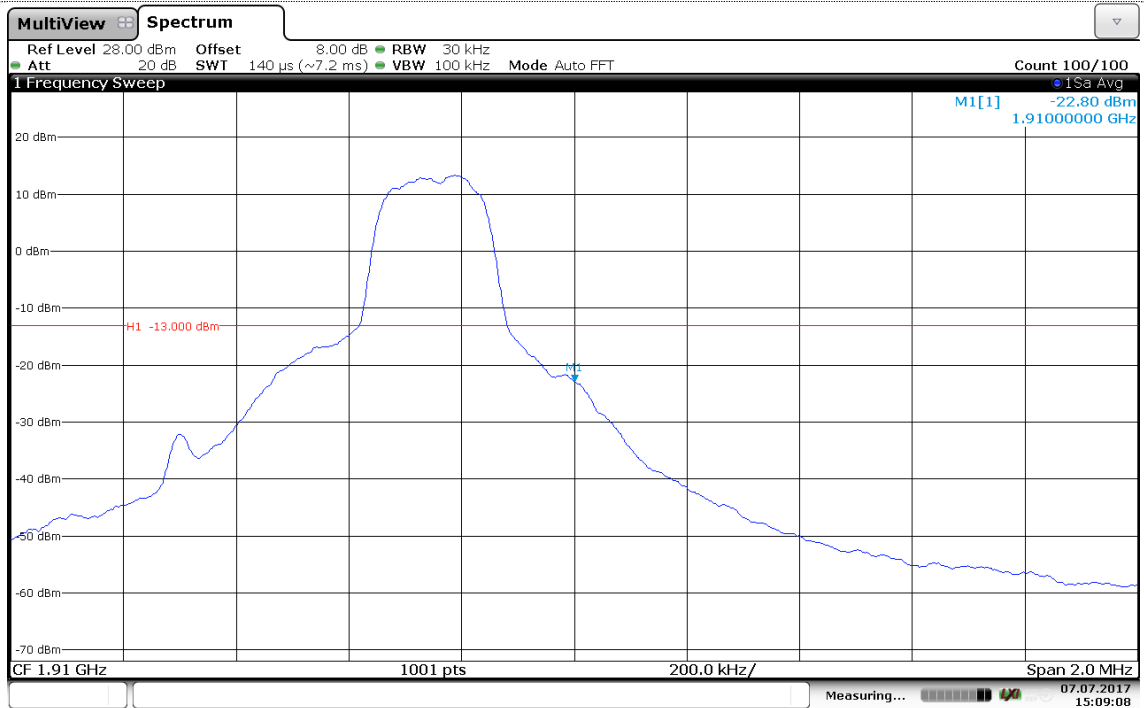


### LTE Band 2-1.4MHz-QPSK



Date: 7.JUL.2017 15:07:37

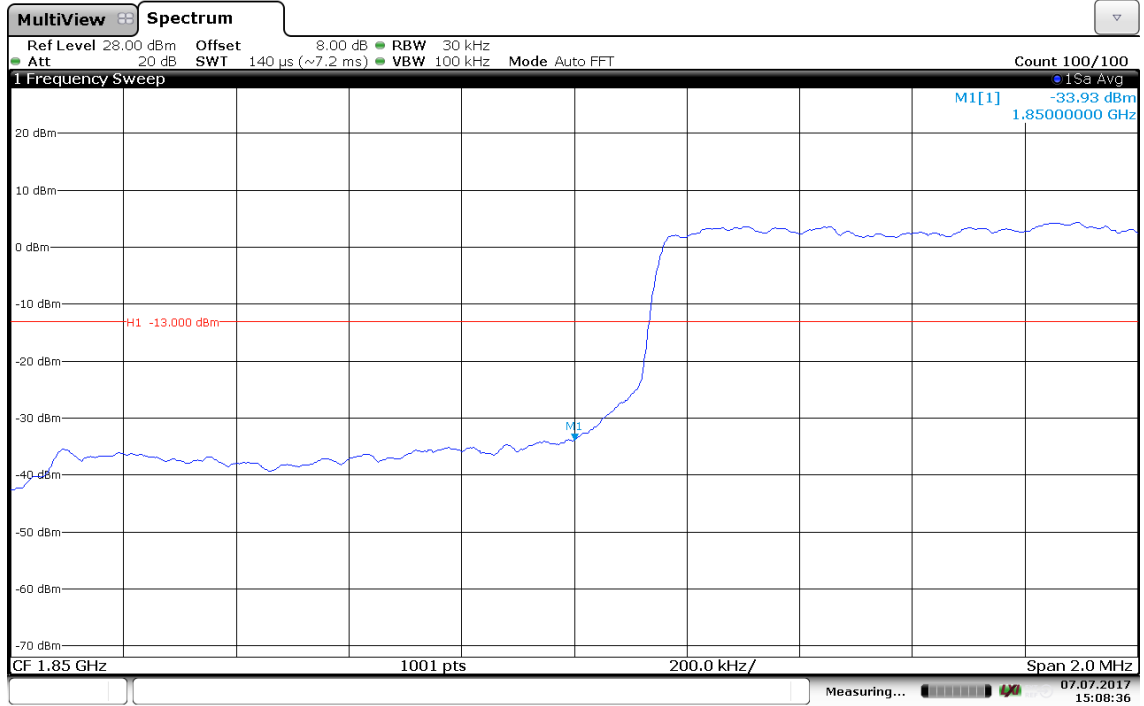
### Channel Low-1RB#



Date: 7.JUL.2017 15:09:07

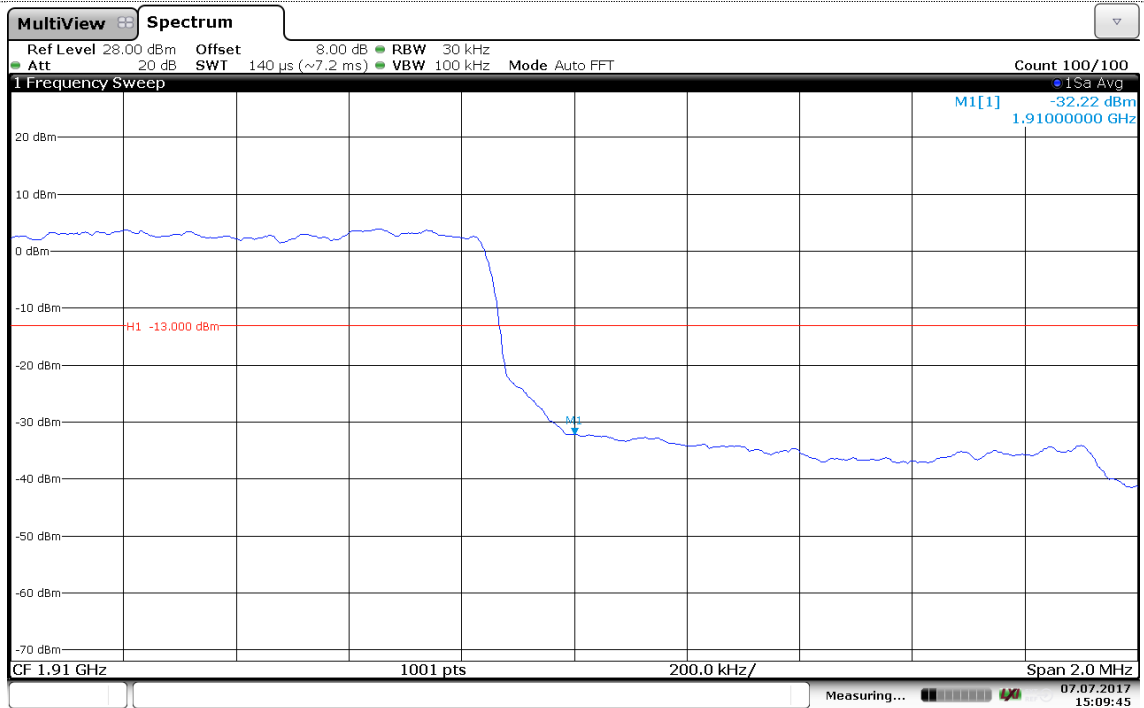
### Channel High-1RB#

### LTE Band 2-1.4MHz-QPSK



Date: 7.JUL.2017 15:08:36

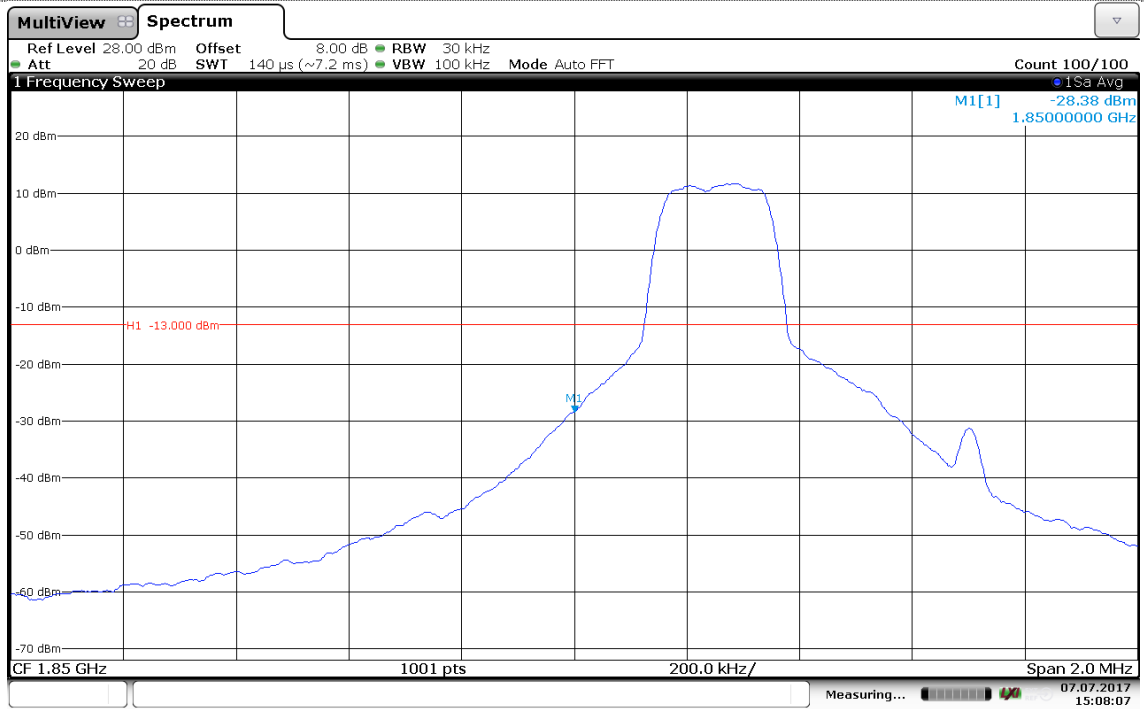
### Channel Low-Full RB#



Date: 7.JUL.2017 15:09:45

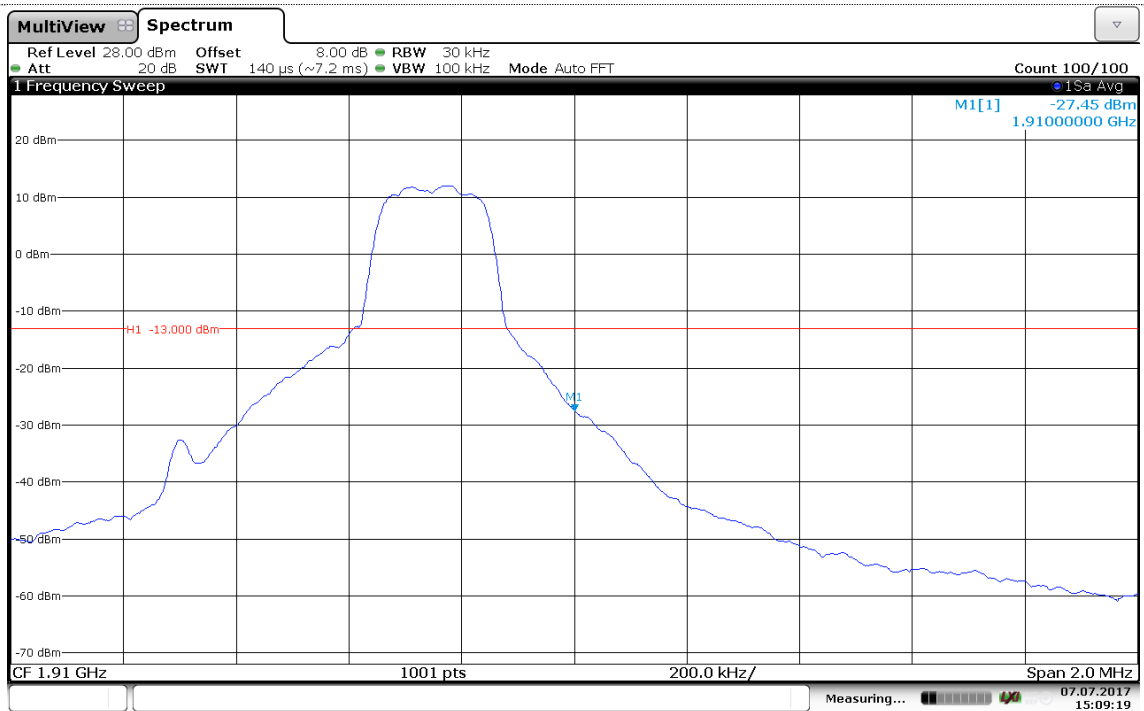
### Channel High-Full RB#

### LTE Band 2-1.4MHz-16QAM



Date: 7.JUL.2017 15:08:07

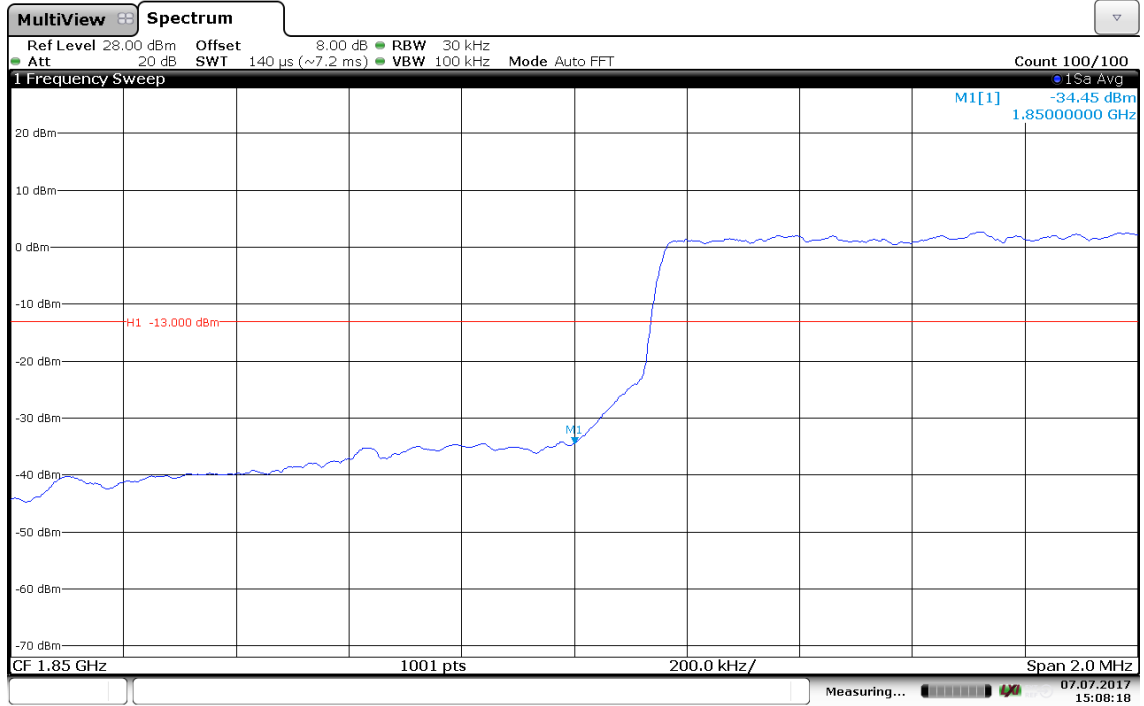
### Channel Low-1RB#



Date: 7.JUL.2017 15:09:19

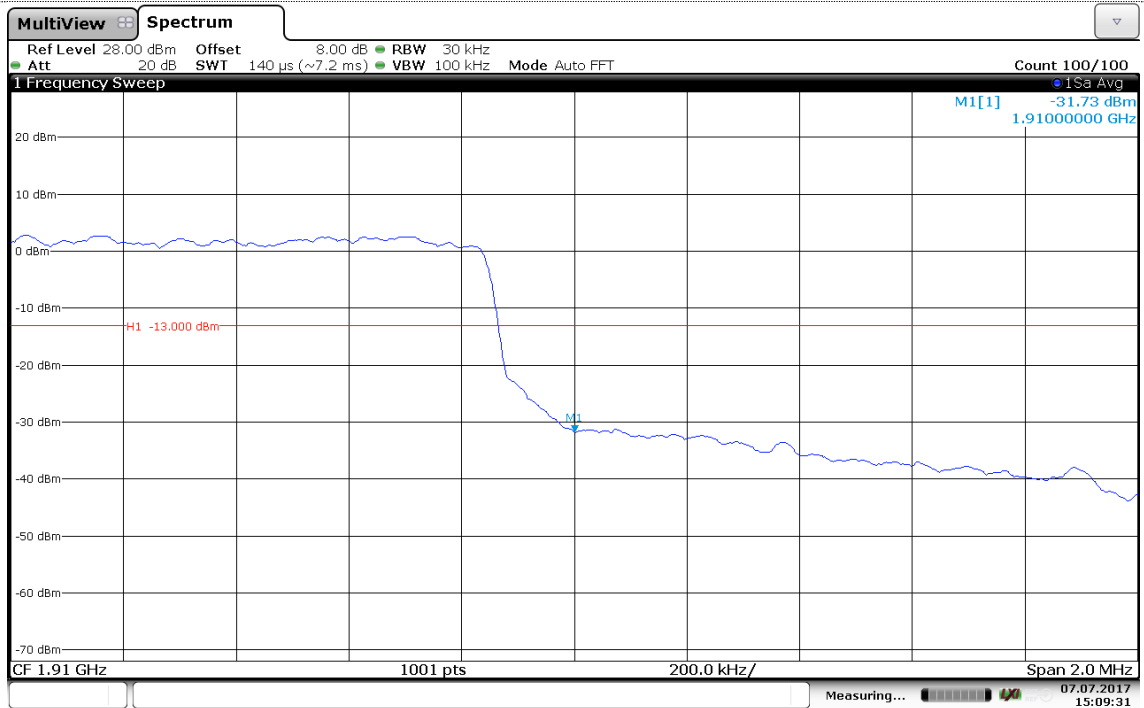
### Channel High-1RB#

### LTE Band 2-1.4MHz-16QAM



Date: 7.JUL.2017 15:08:18

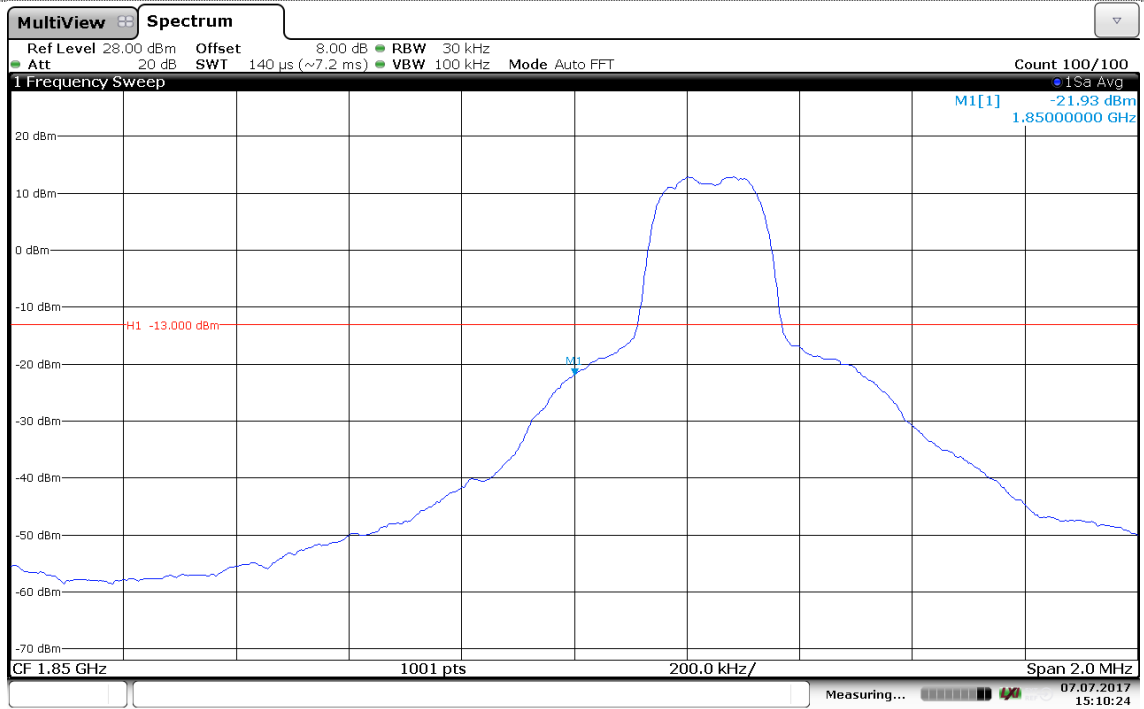
### Channel Low-Full RB#



Date: 7.JUL.2017 15:09:31

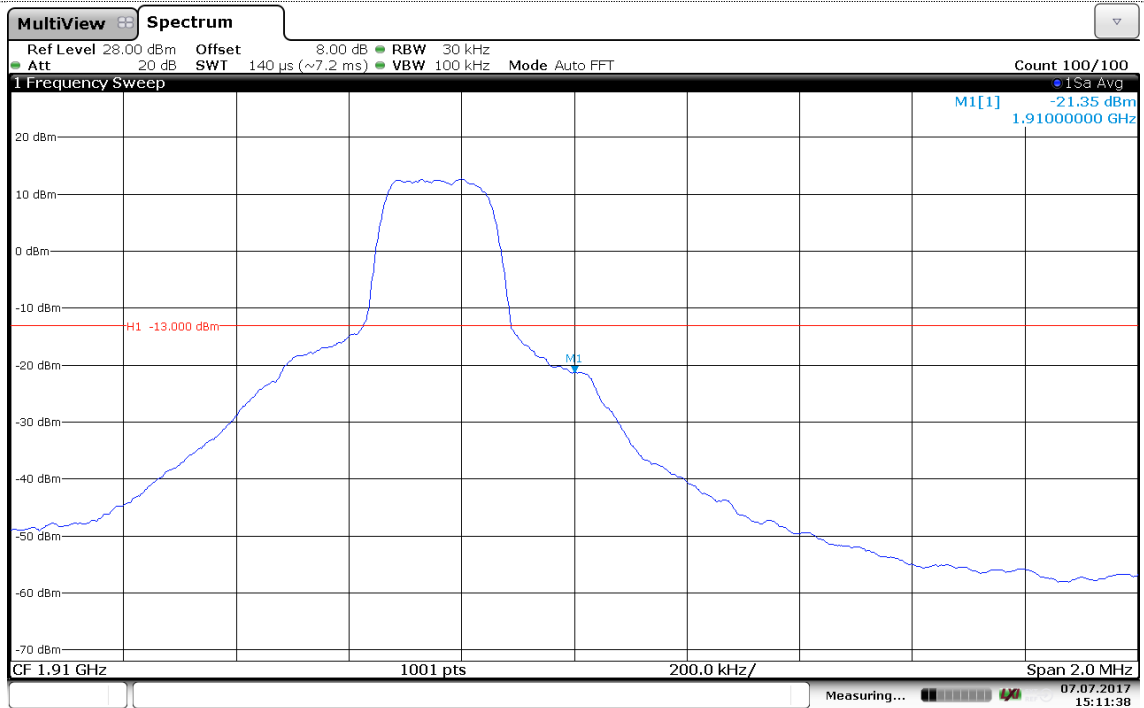
### Channel High-Full RB#

### LTE Band 2-3MHz-QPSK



Date: 7.JUL.2017 15:10:24

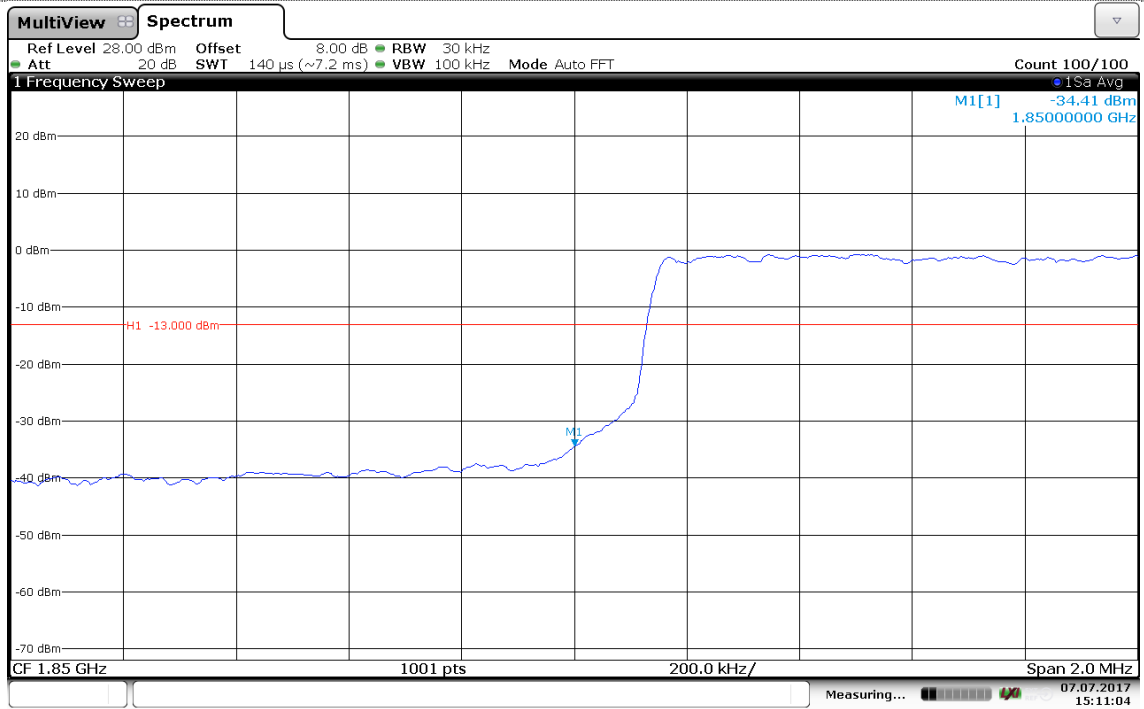
### Channel Low-1RB#



Date: 7.JUL.2017 15:11:38

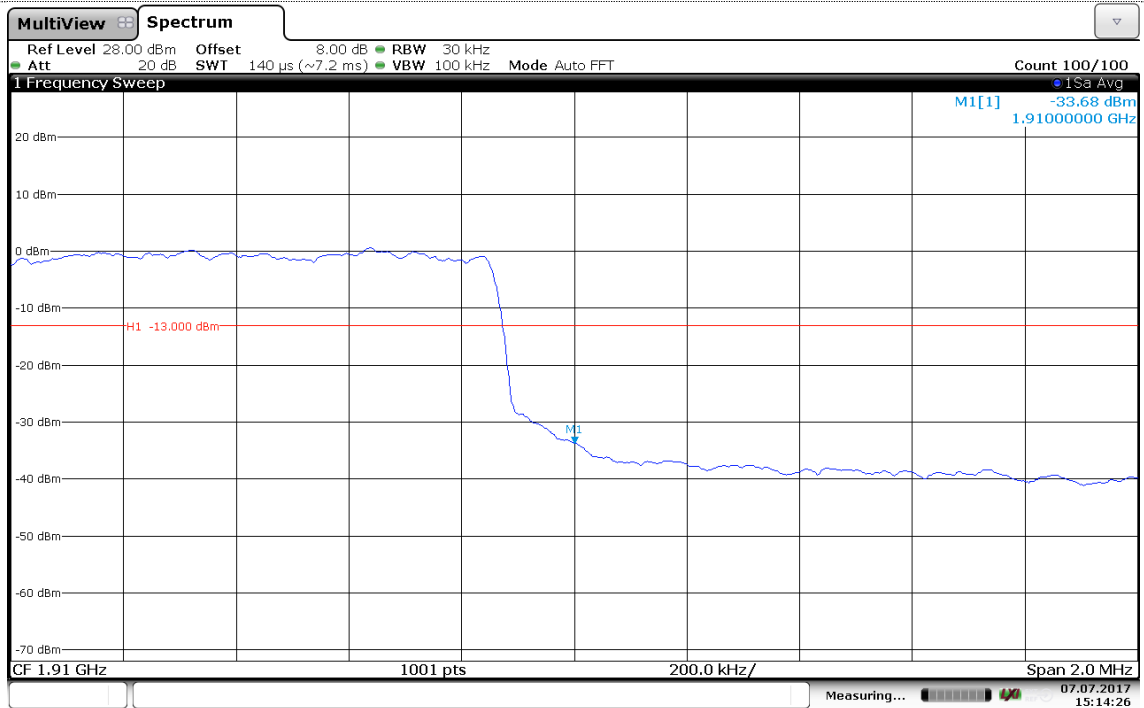
### Channel High-1RB#

### LTE Band 2-3MHz-QPSK



Date: 7.JUL.2017 15:11:05

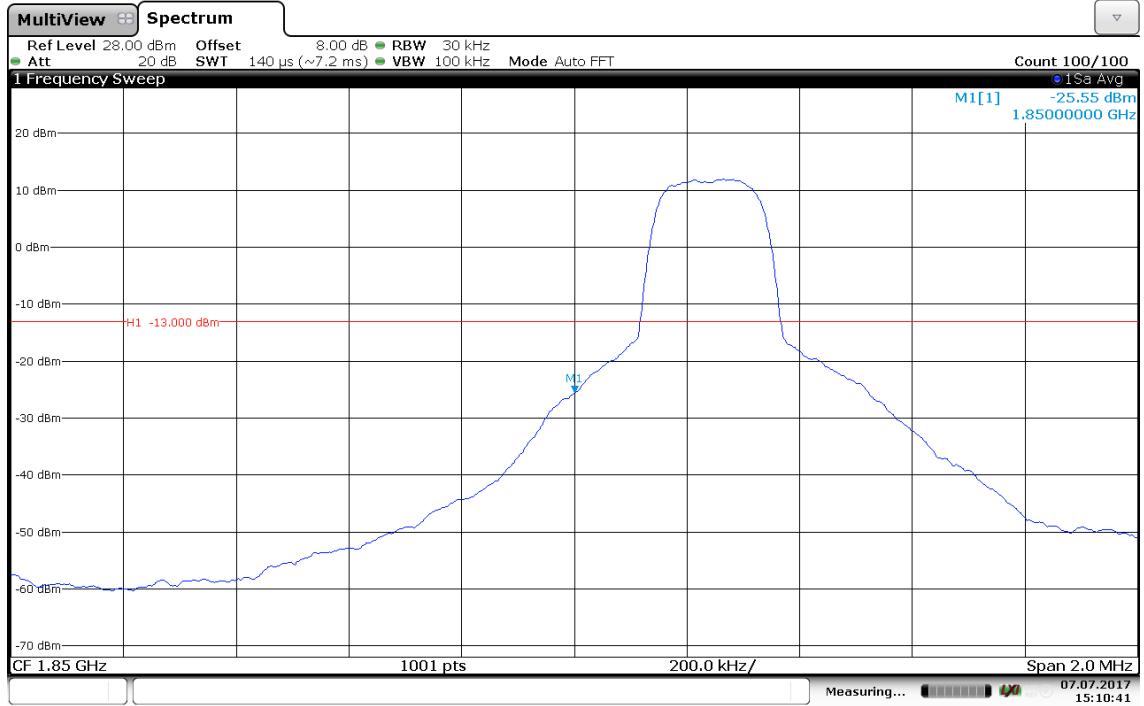
### Channel Low-Full RB#



Date: 7.JUL.2017 15:14:26

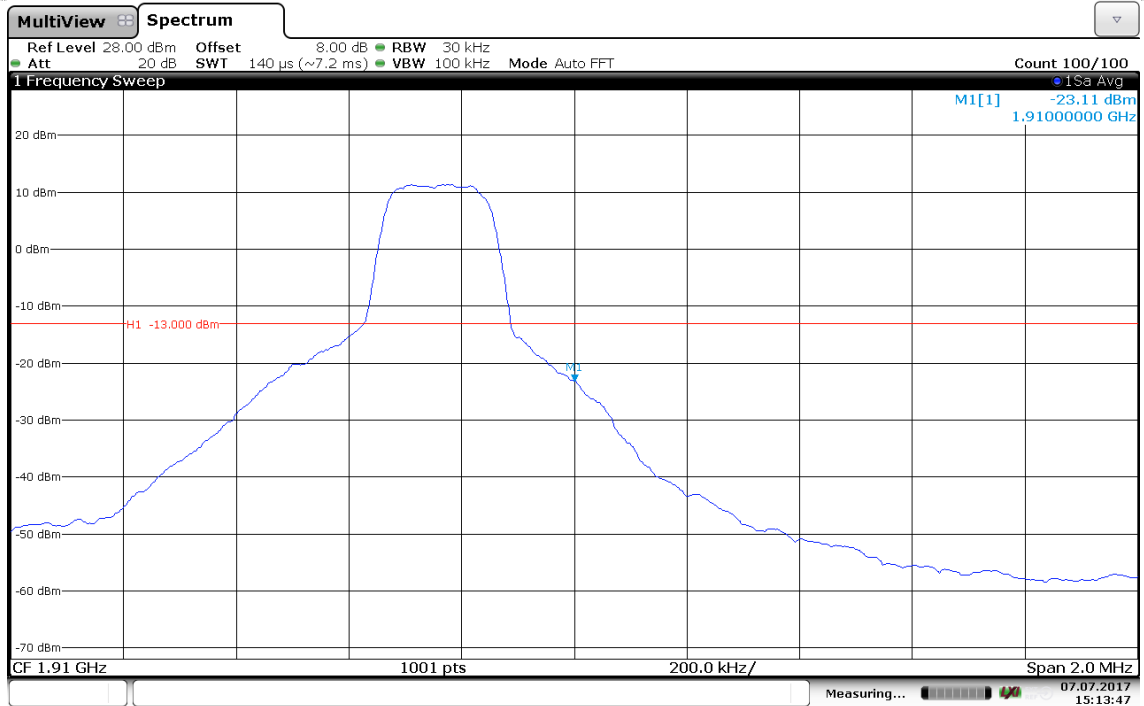
### Channel High-Full RB#

### LTE Band 2-3MHz-16QAM



Date: 7.JUL.2017 15:10:41

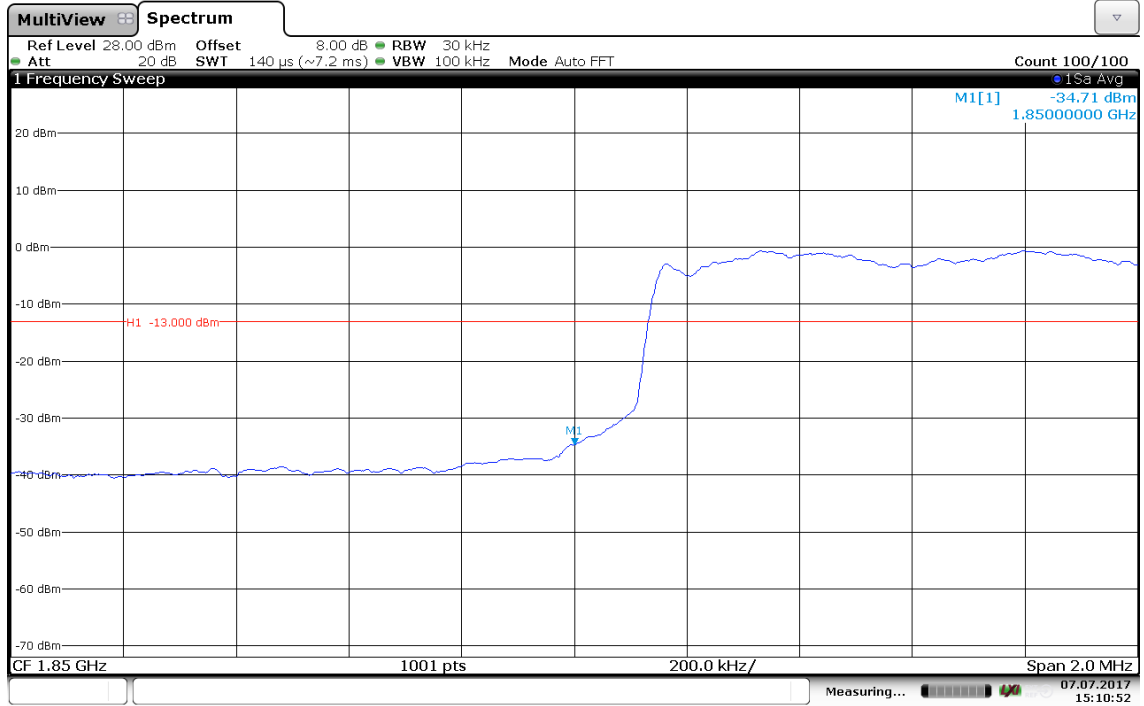
### Channel Low-1RB#



Date: 7.JUL.2017 15:13:47

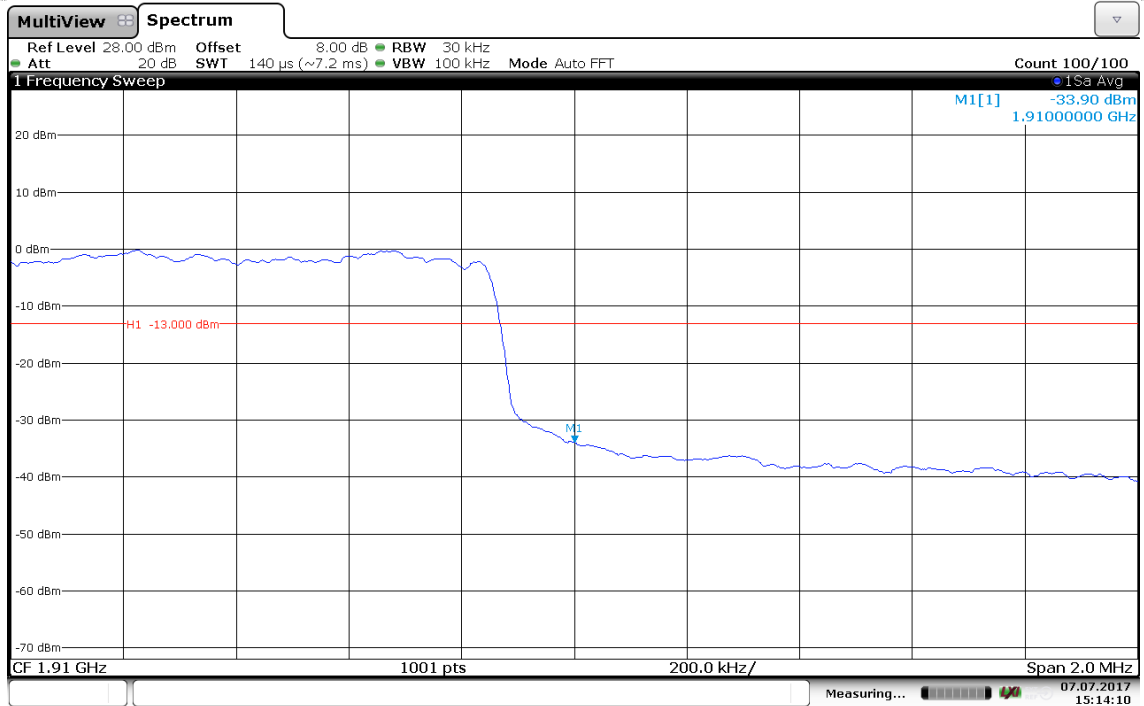
### Channel High-1RB#

### LTE Band 2-3MHz-16QAM



Date: 7.JUL.2017 15:10:52

### Channel Low-Full RB#



Date: 7.JUL.2017 15:14:10

### Channel High-Full RB#

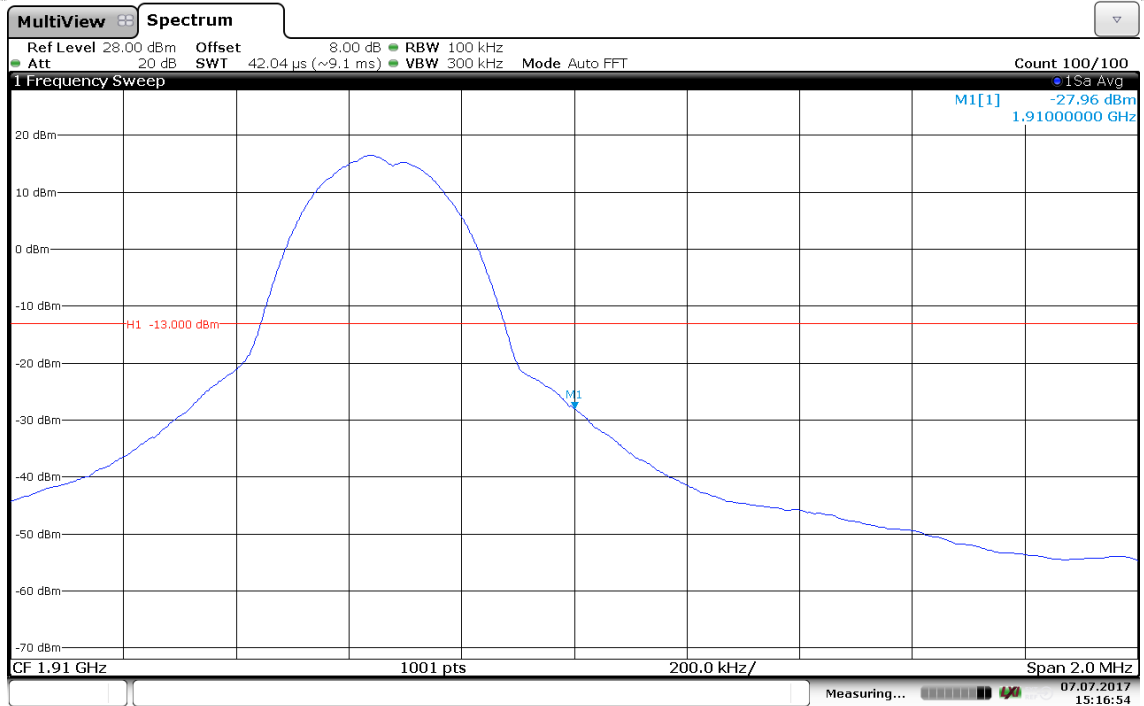


### LTE Band 2-5MHz-QPSK



Date: 7.JUL.2017 15:15:20

### Channel Low-1RB#



Date: 7.JUL.2017 15:16:54

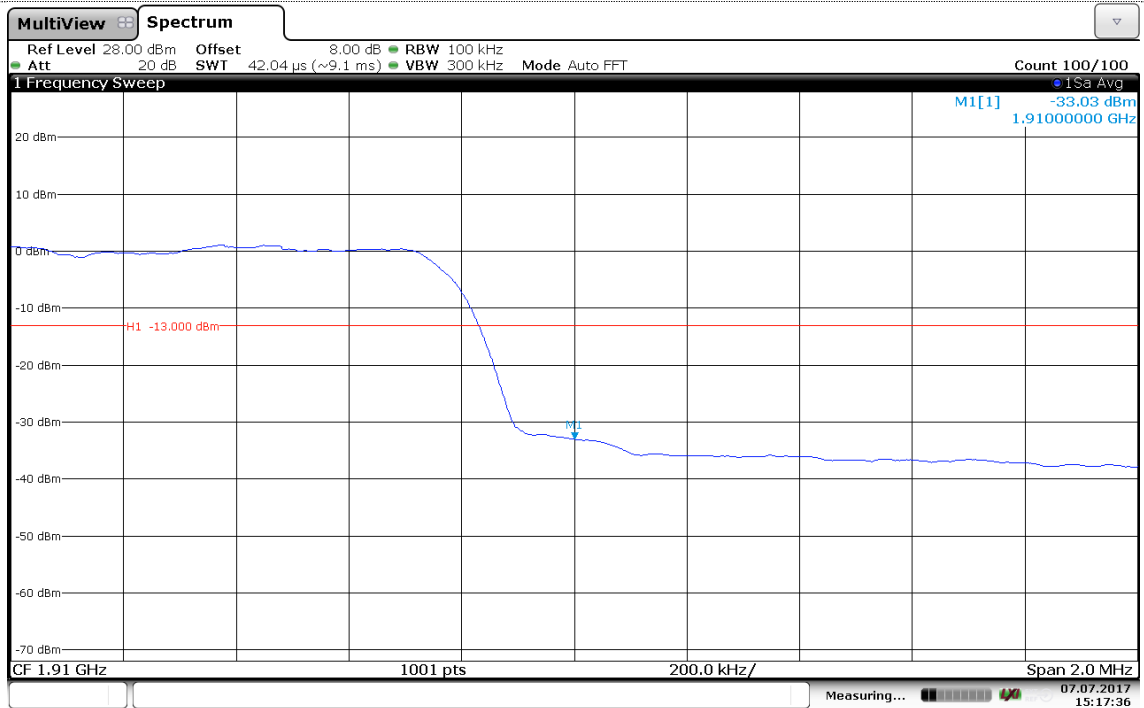
### Channel High-1RB#

### LTE Band 2-5MHz-QPSK



Date: 7.JUL.2017 15:16:21

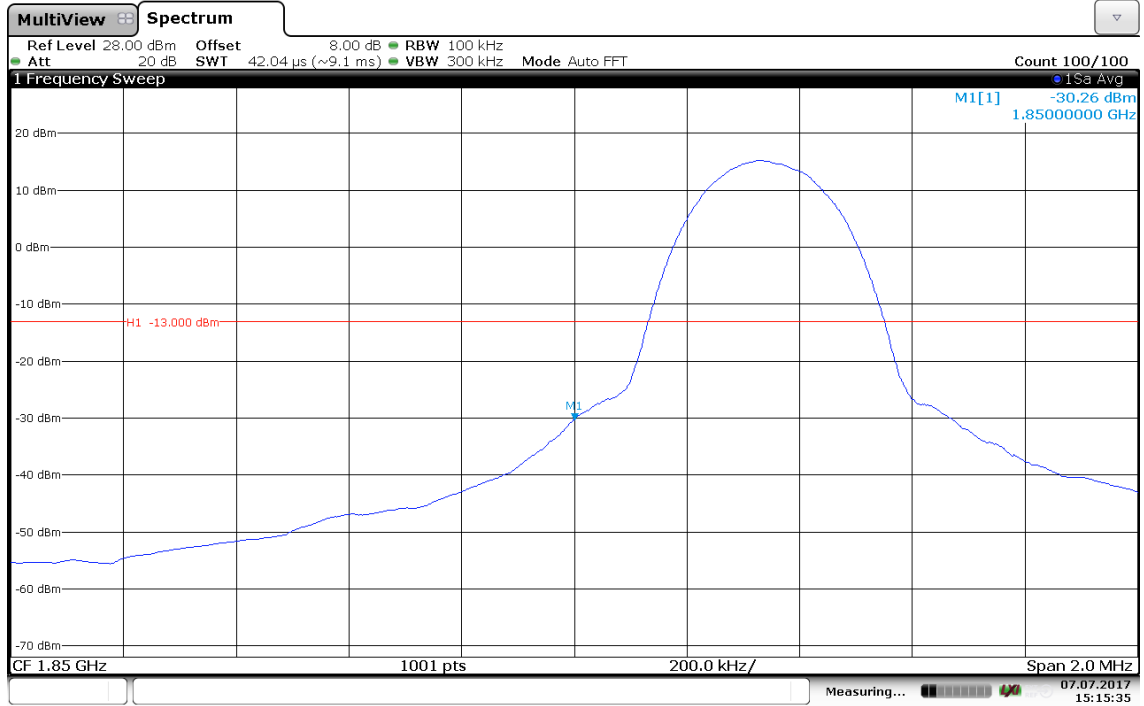
### Channel Low-Full RB#



Date: 7.JUL.2017 15:17:36

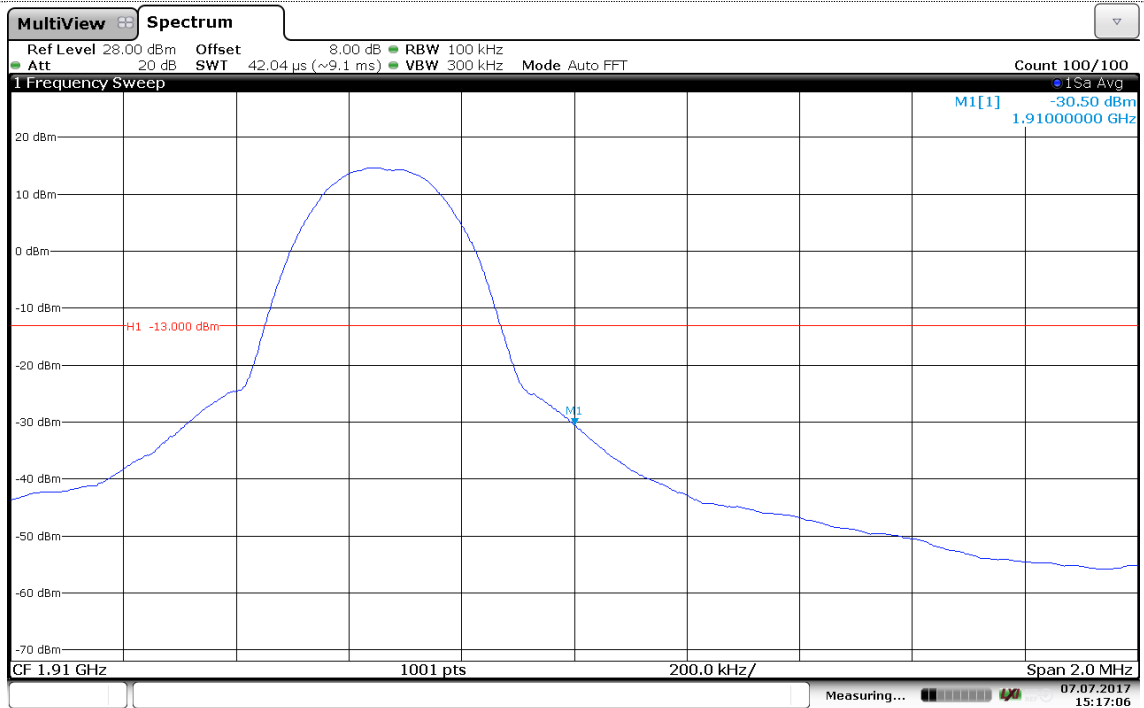
### Channel High-Full RB#

### LTE Band 2-5MHz-16QAM



Date: 7.JUL.2017 15:15:35

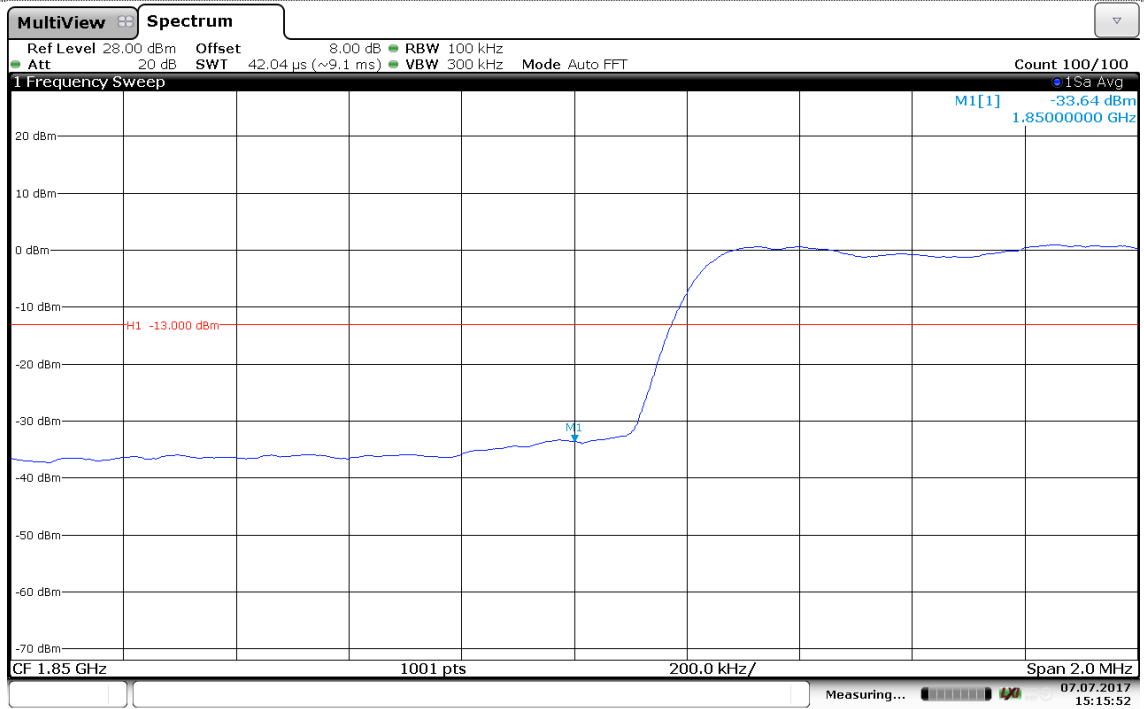
### Channel Low-1RB#



Date: 7.JUL.2017 15:17:06

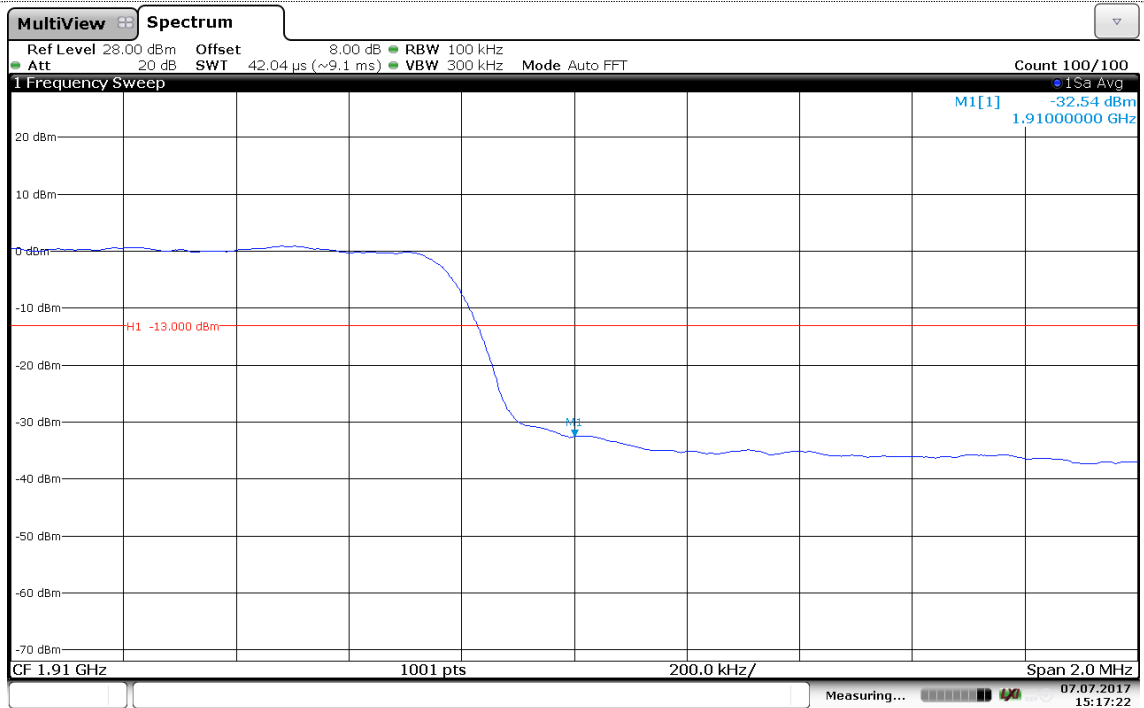
### Channel High-1RB#

### LTE Band 2-5MHz-16QAM



Date: 7.JUL.2017 15:15:53

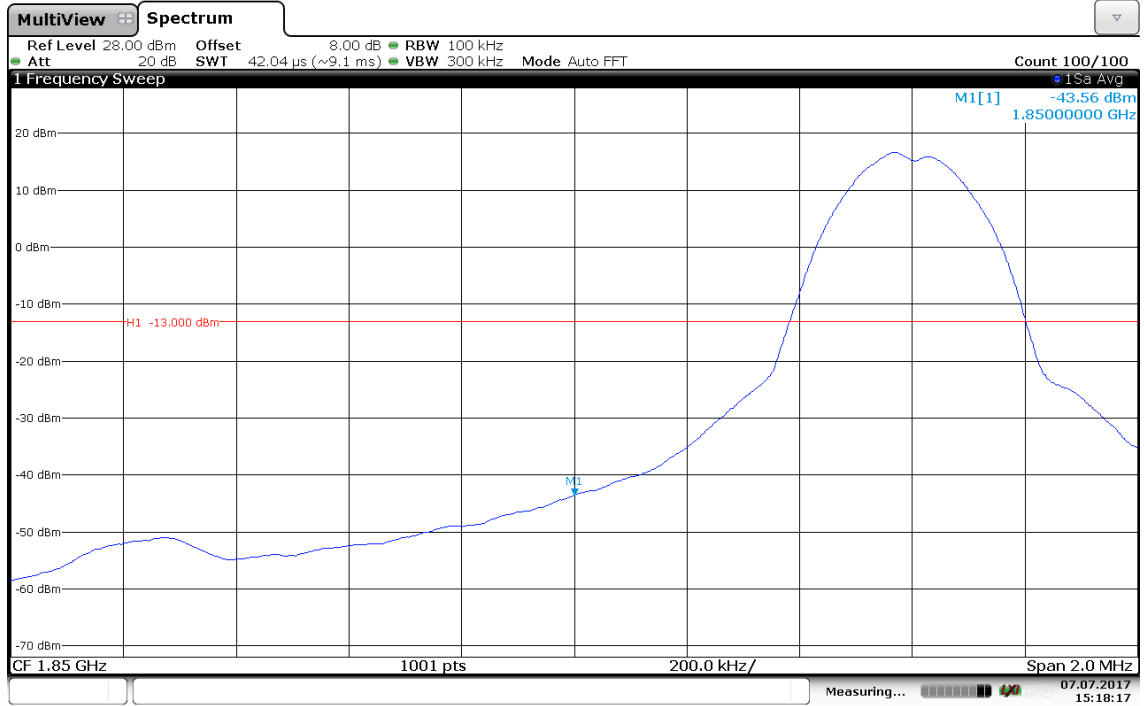
### Channel Low-Full RB#



Date: 7.JUL.2017 15:17:21

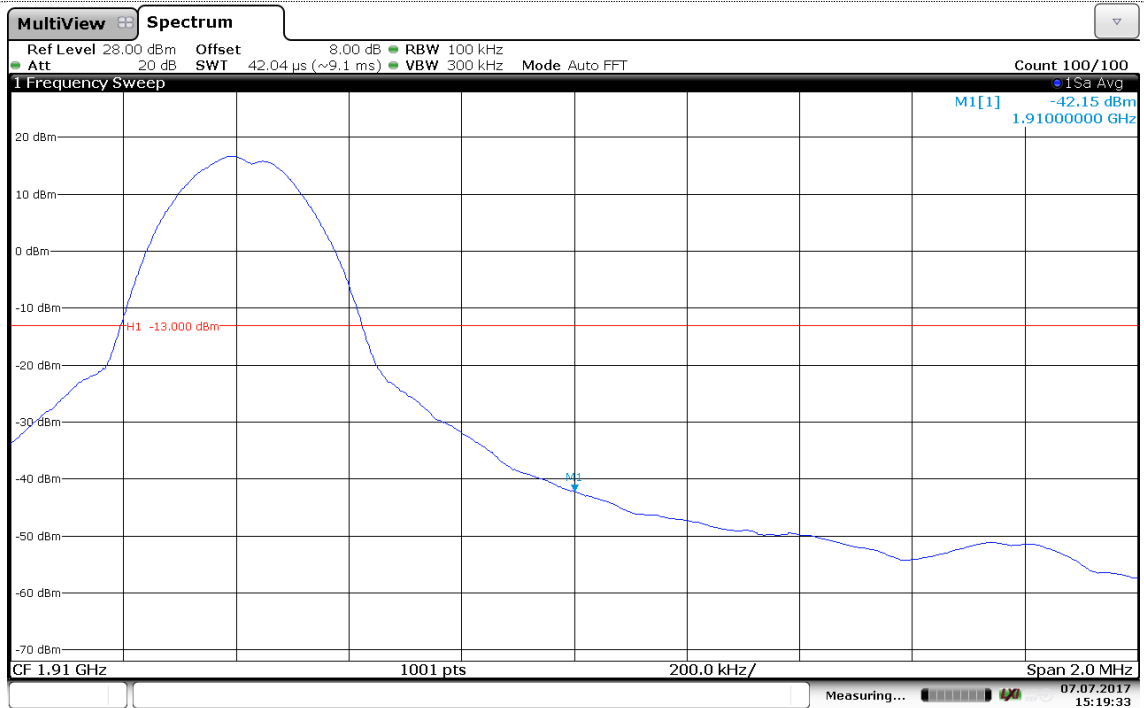
### Channel High-Full RB#

### LTE Band 2-10MHz-QPSK



Date: 7.JUL.2017 15:18:17

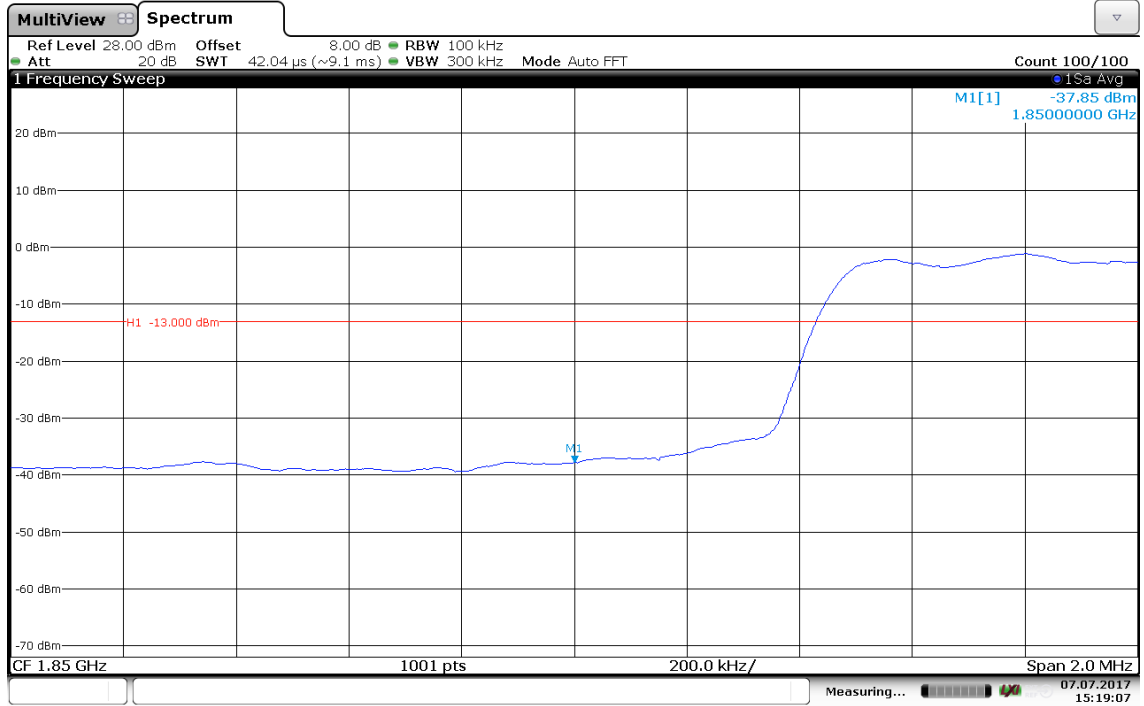
### Channel Low-1RB#



Date: 7.JUL.2017 15:19:33

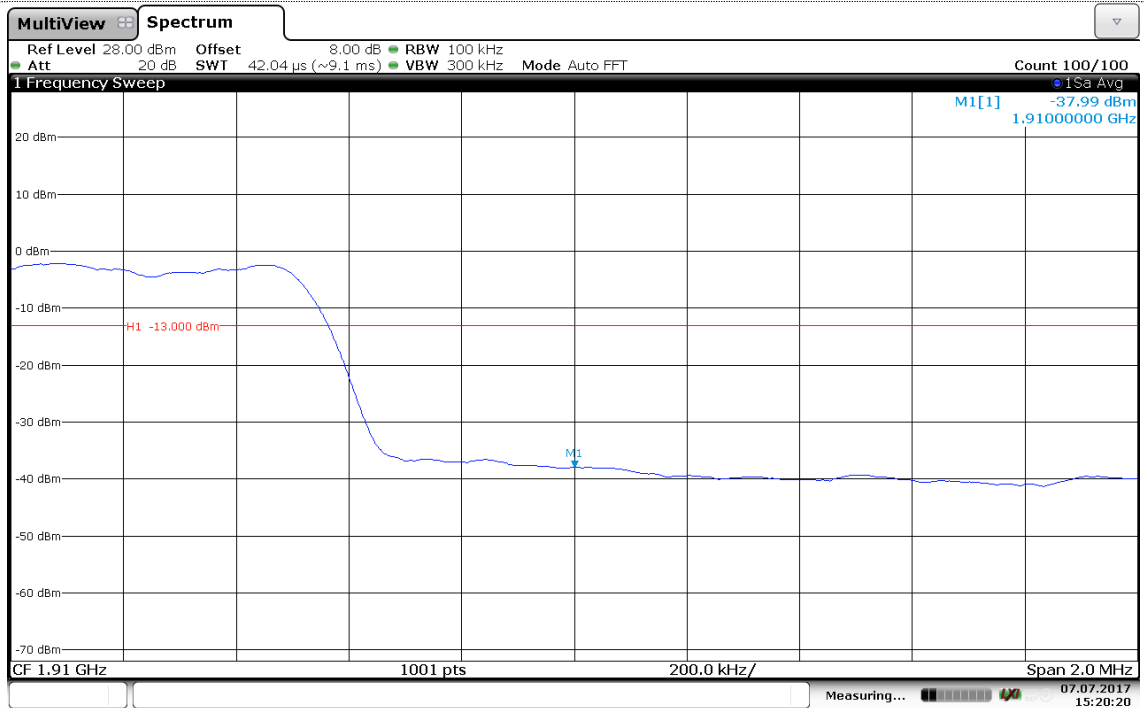
### Channel High-1RB#

### LTE Band 2-10MHz-QPSK



Date: 7.JUL.2017 15:19:07

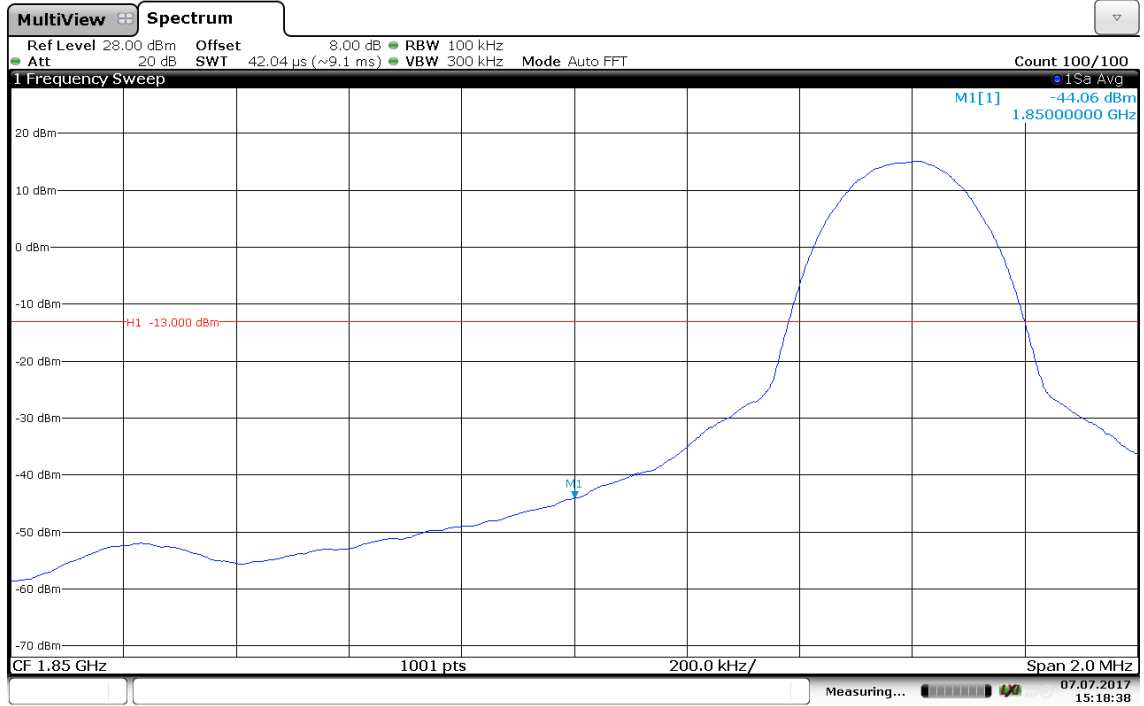
### Channel Low-Full RB#



Date: 7.JUL.2017 15:20:20

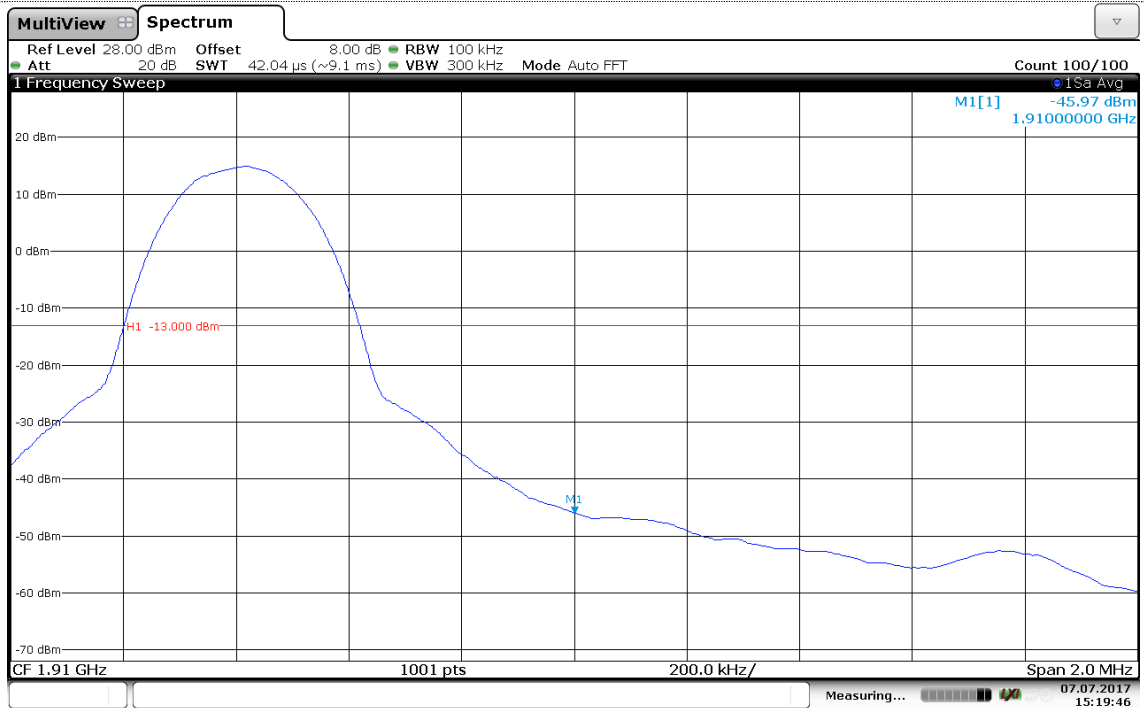
### Channel High-Full RB#

### LTE Band 2-10MHz-16QAM



Date: 7.JUL.2017 15:18:38

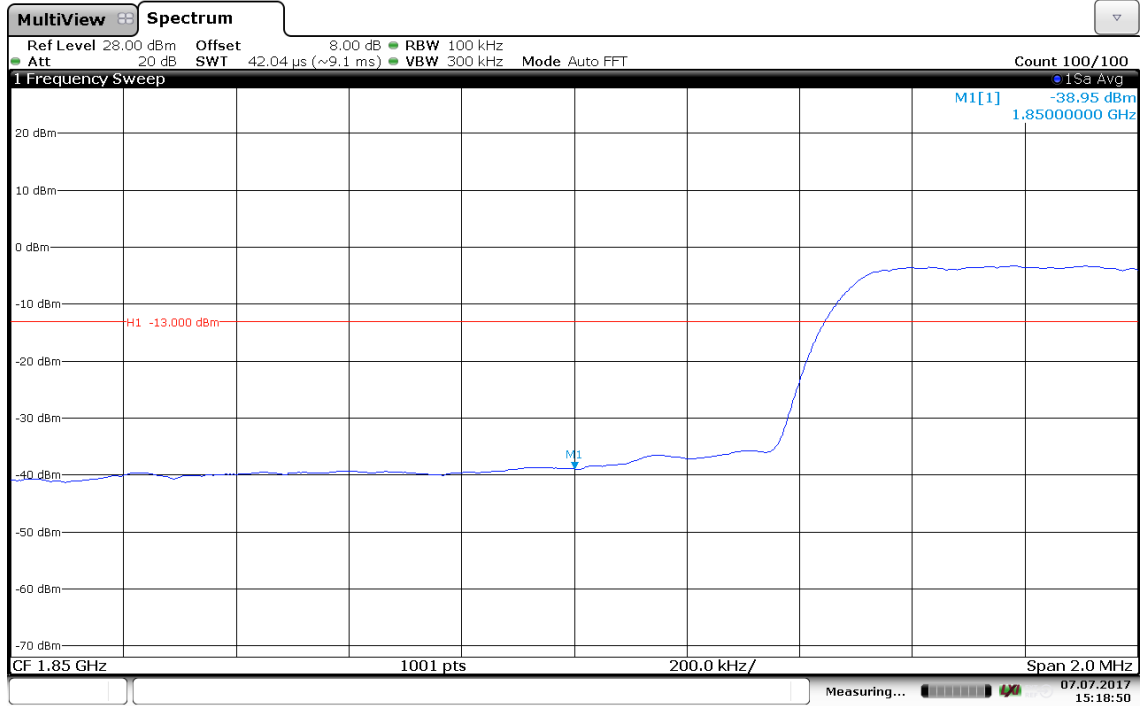
### Channel Low-1RB#



Date: 7.JUL.2017 15:19:45

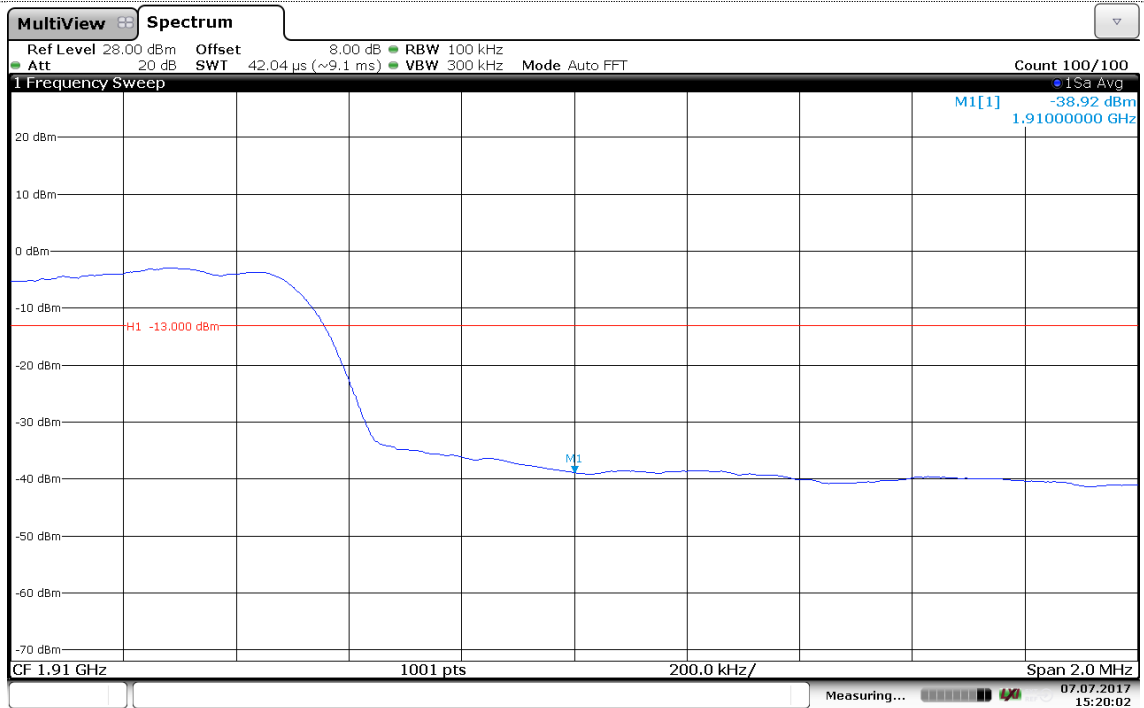
### Channel High-1RB#

### LTE Band 2-10MHz-16QAM



Date: 7.JUL.2017 15:18:50

### Channel Low-Full RB#

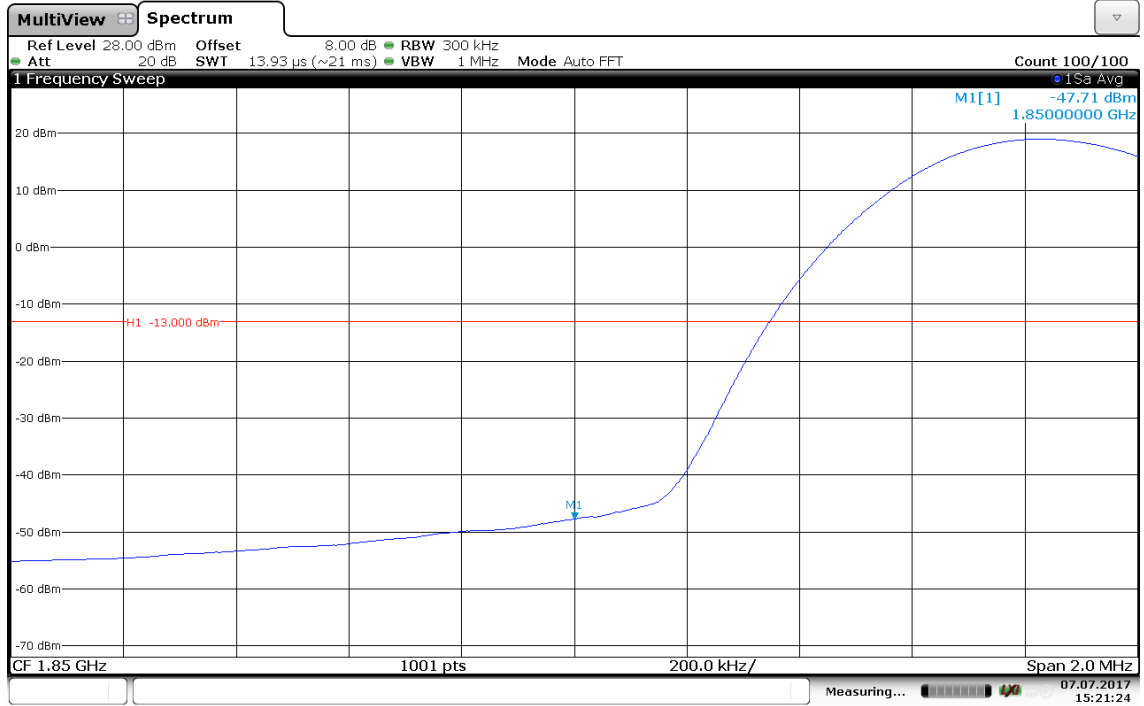


Date: 7.JUL.2017 15:20:02

### Channel High-Full RB#

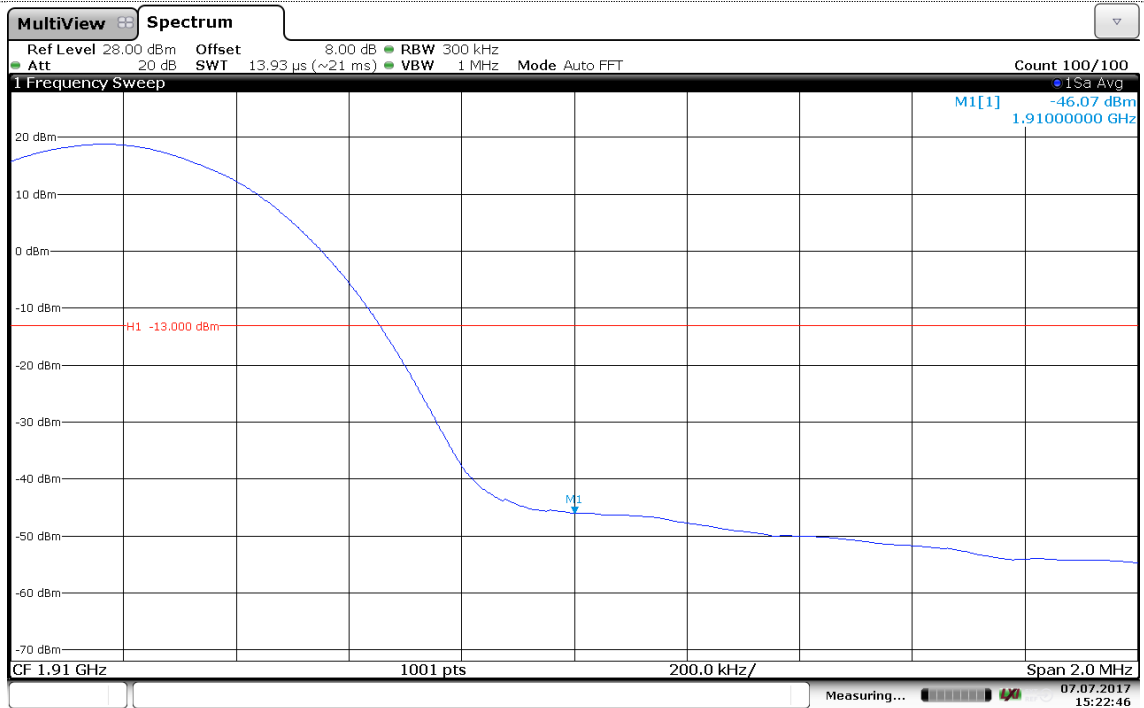


### LTE Band 2-15MHz-QPSK



Date: 7.JUL.2017 15:21:24

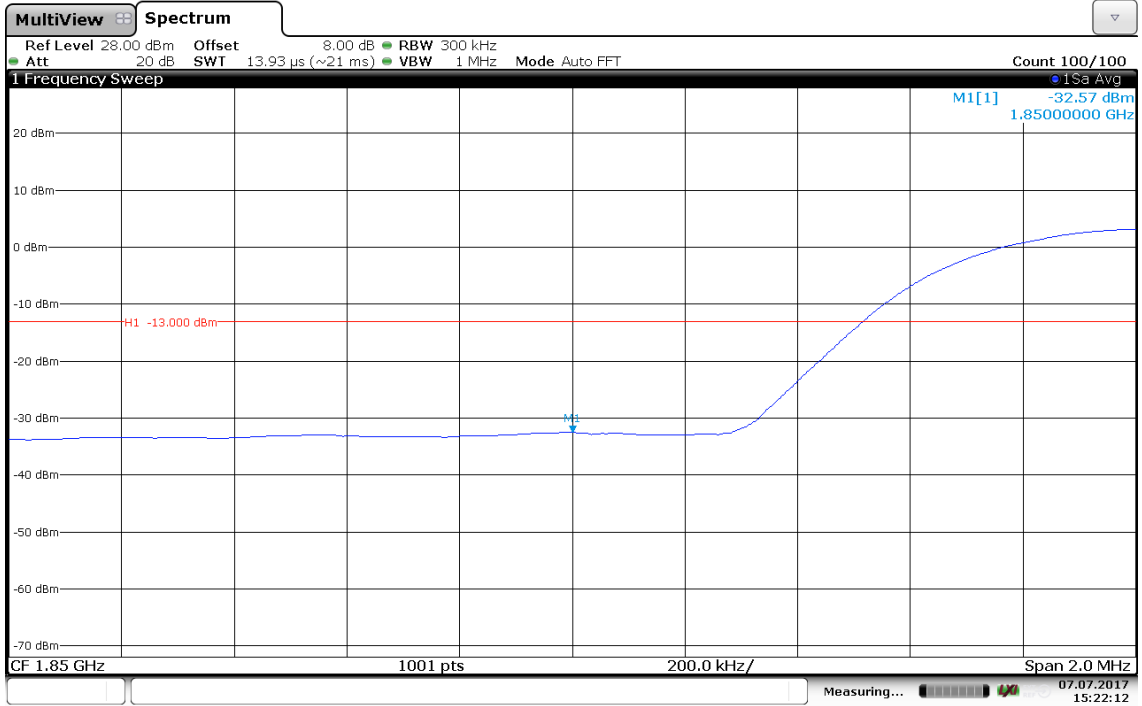
### Channel Low-1RB#



Date: 7.JUL.2017 15:22:46

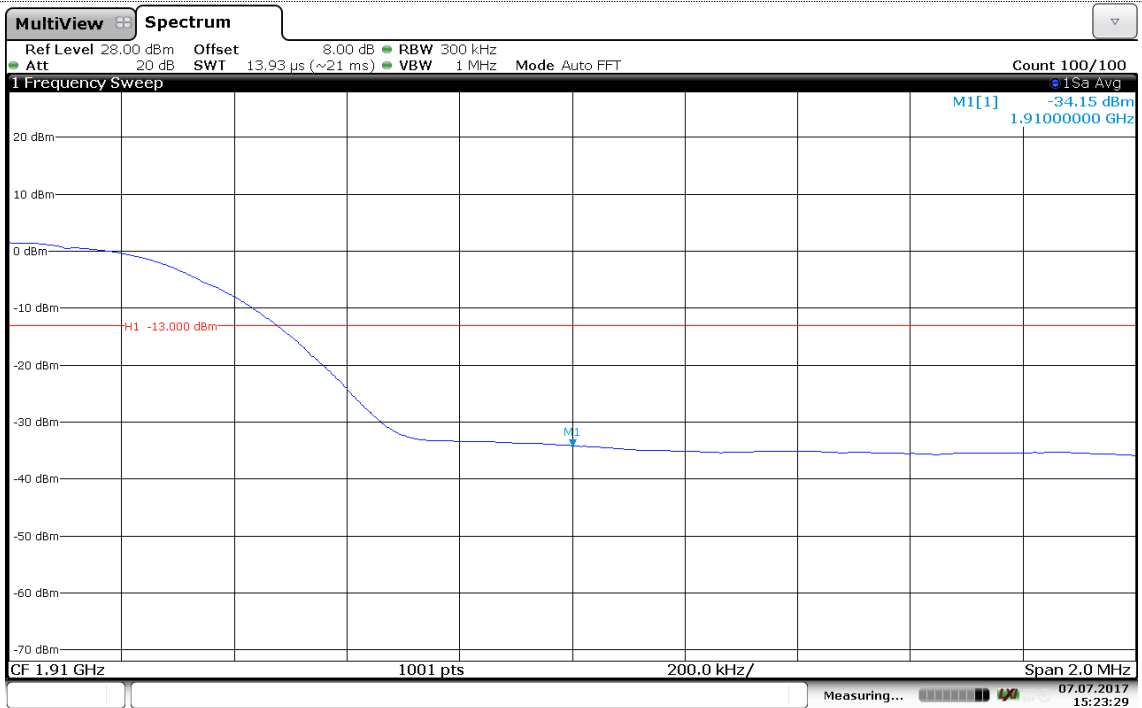
### Channel High-1RB#

### LTE Band 2-15MHz-QPSK



Date: 7.JUL.2017 15:22:11

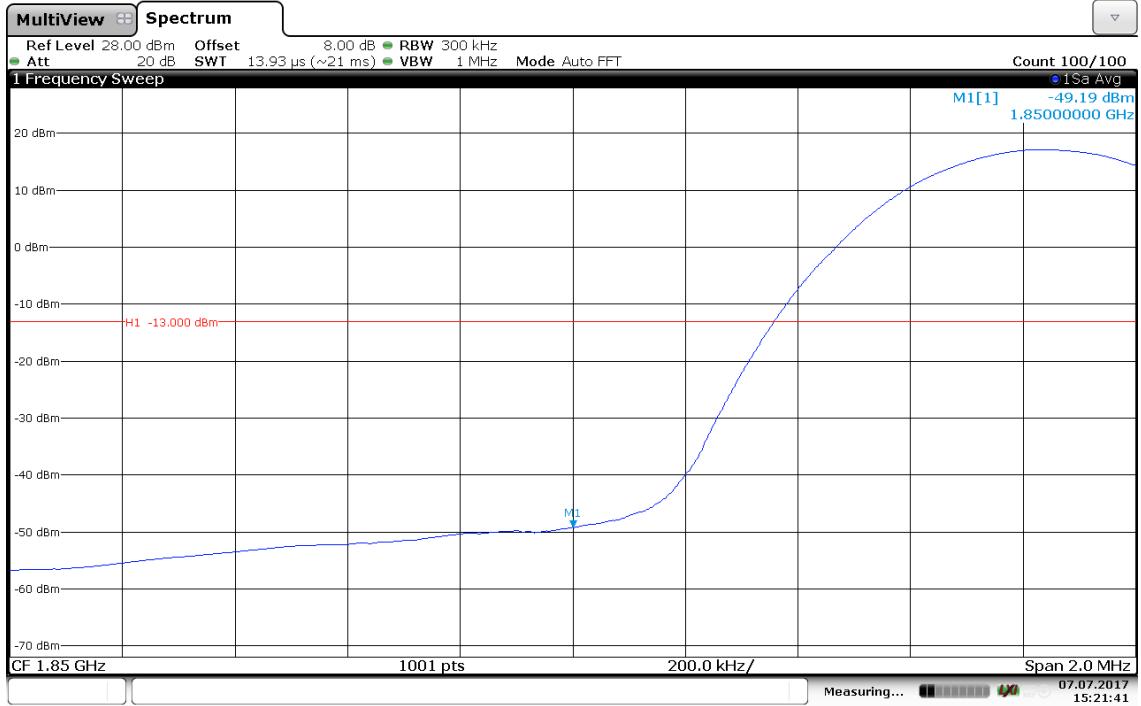
### Channel Low-Full RB#



Date: 7.JUL.2017 15:23:29

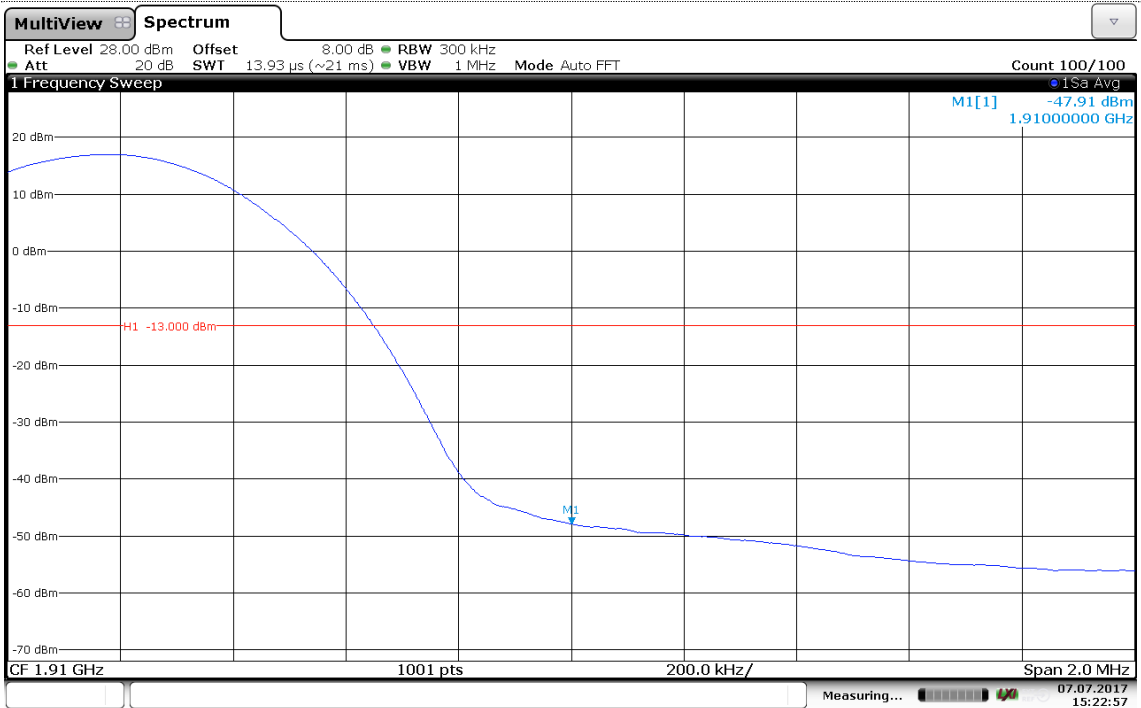
### Channel High-Full RB#

### LTE Band 2-15MHz-16QAM



Date: 7.JUL.2017 15:21:41

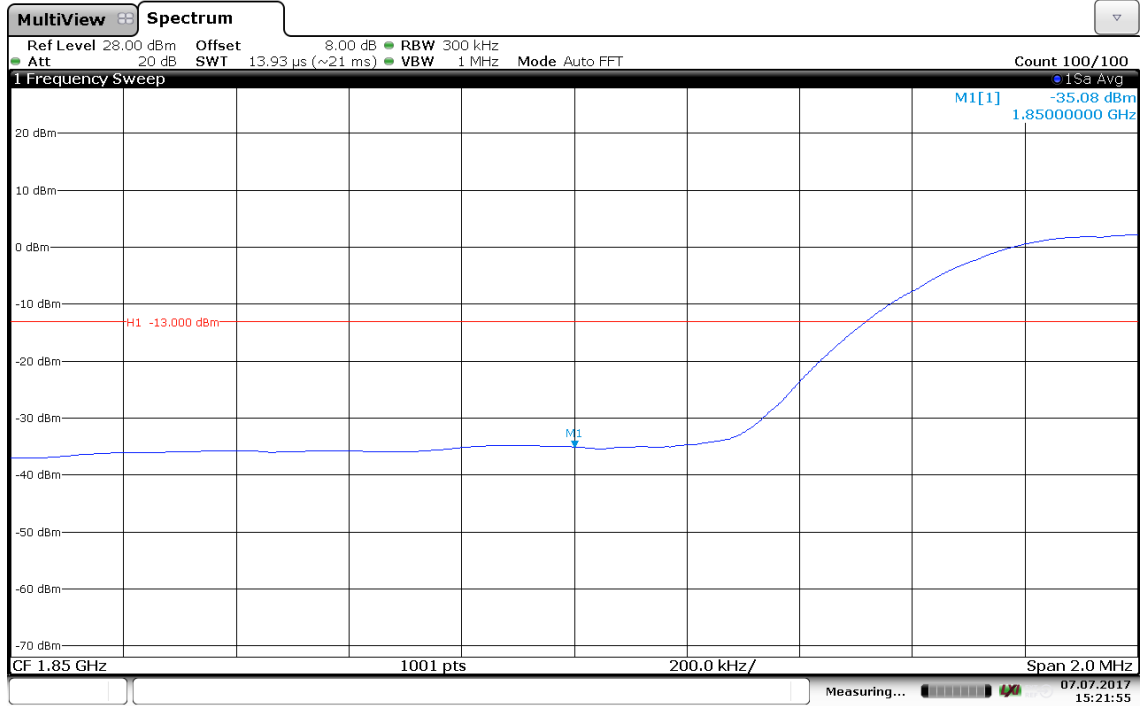
### Channel Low-1RB#



Date: 7.JUL.2017 15:22:57

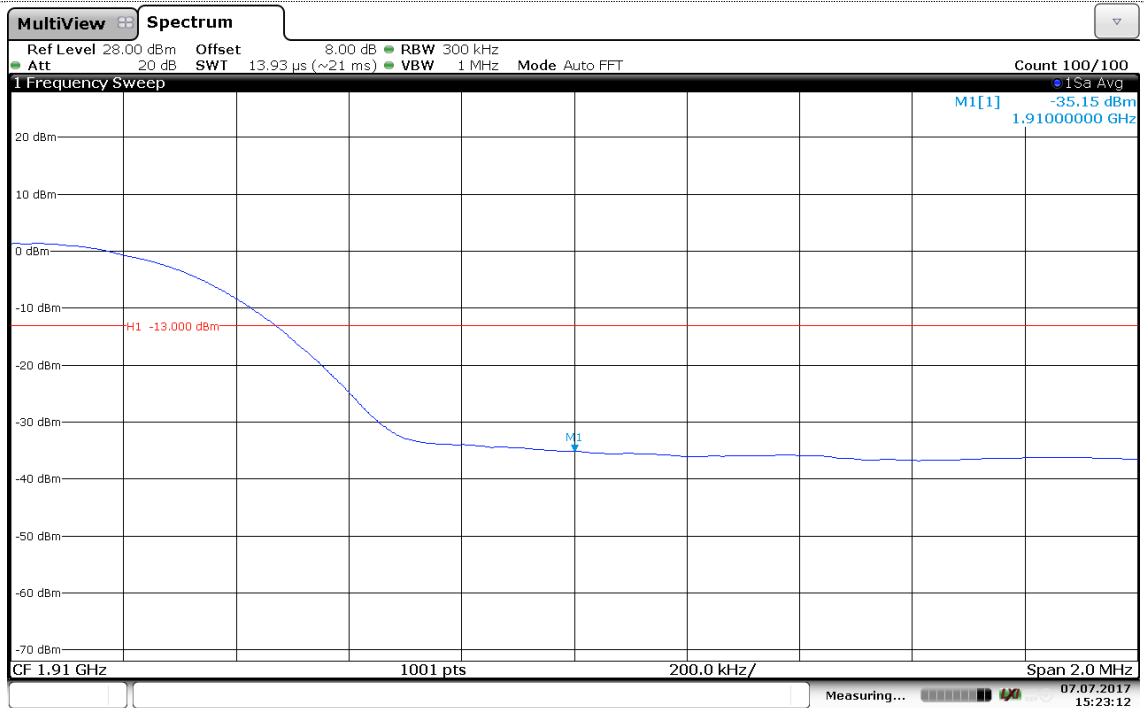
### Channel High-1RB#

### LTE Band 2-15MHz-16QAM



Date: 7.JUL.2017 15:21:55

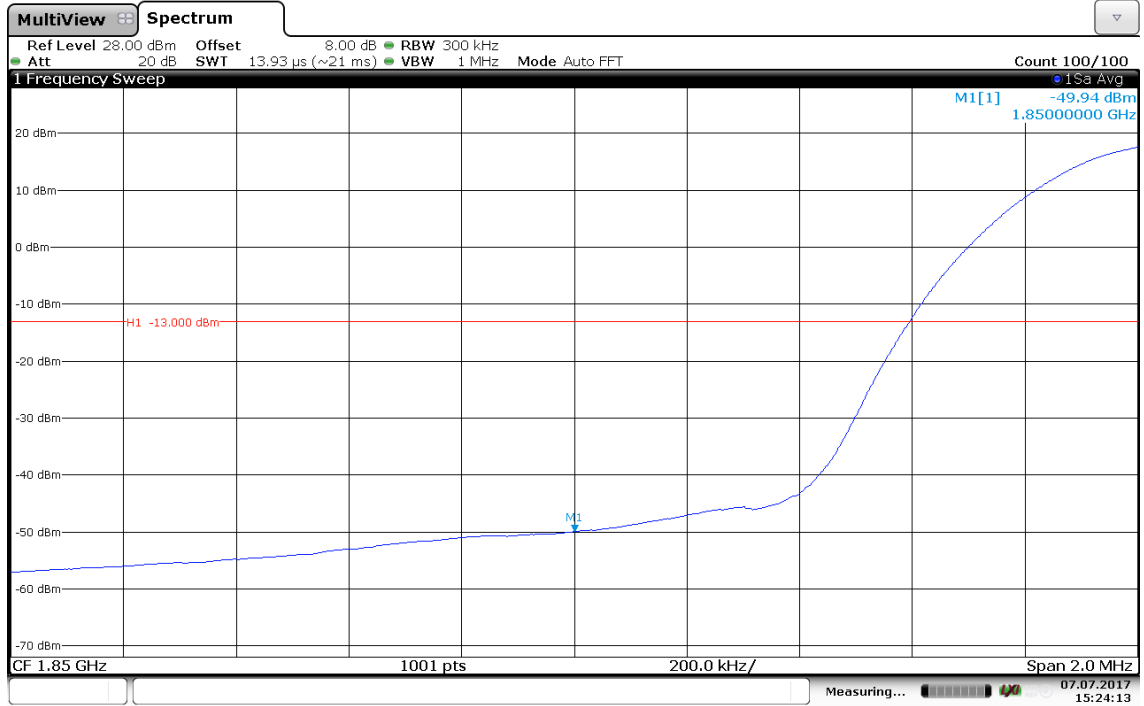
### Channel Low-Full RB#



Date: 7.JUL.2017 15:23:12

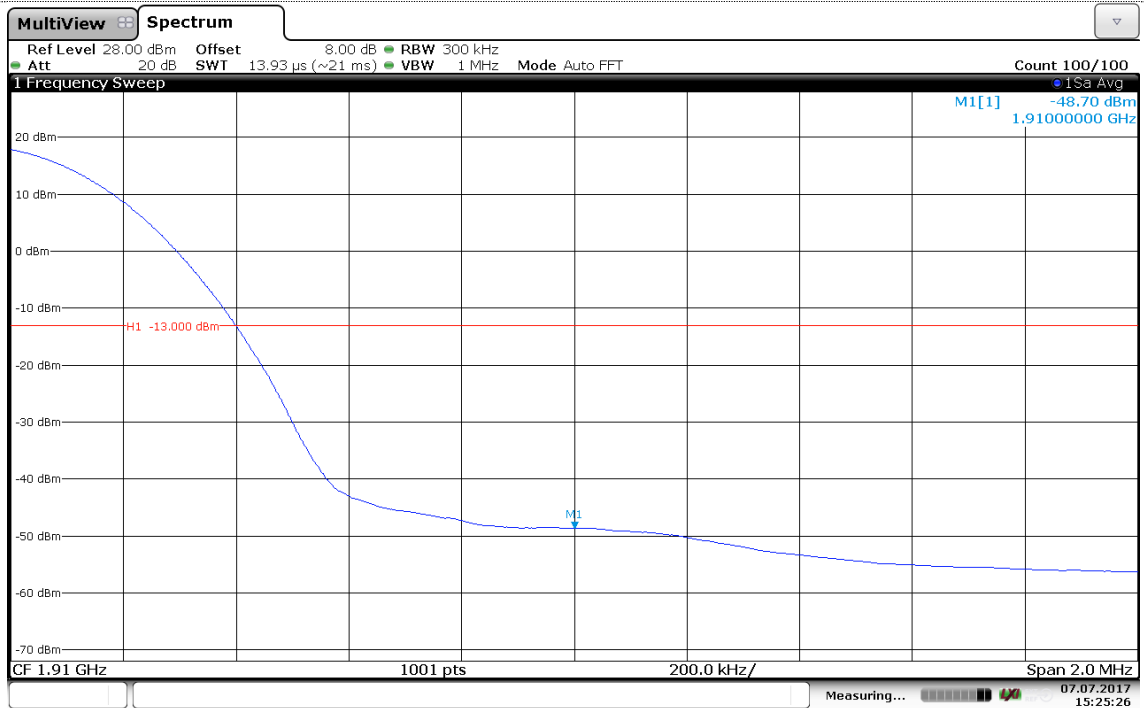
### Channel High-Full RB#

### LTE Band 2-20MHz-QPSK



Date: 7.JUL.2017 15:24:13

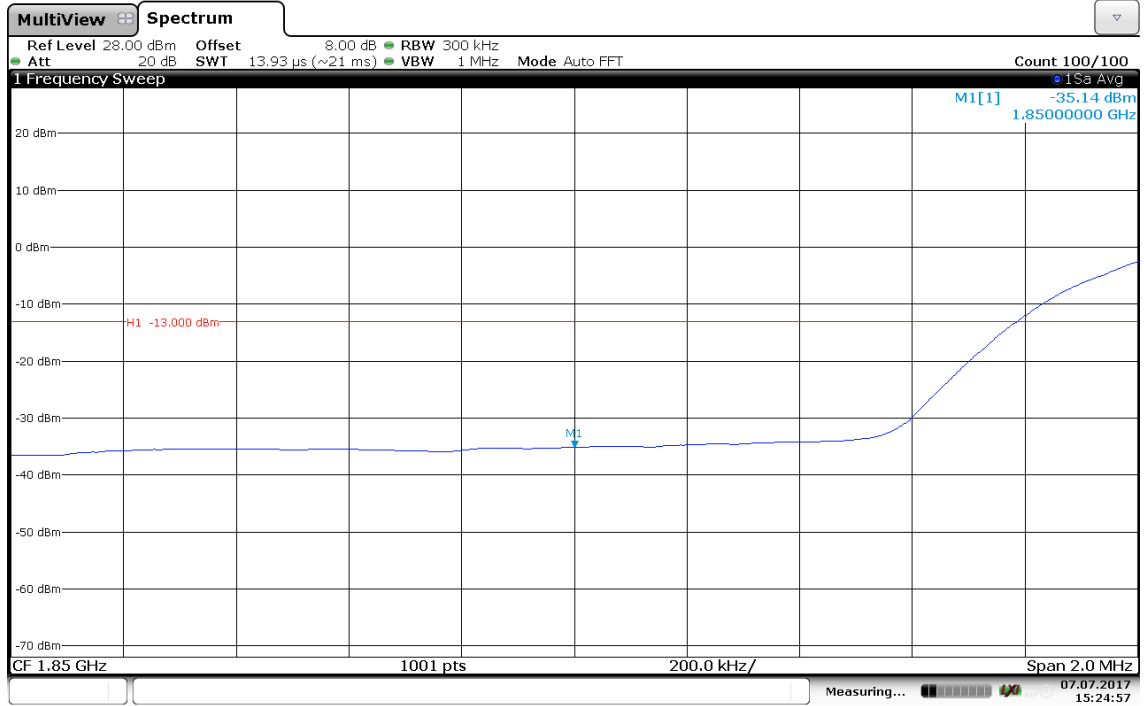
### Channel Low-1RB#



Date: 7.JUL.2017 15:25:26

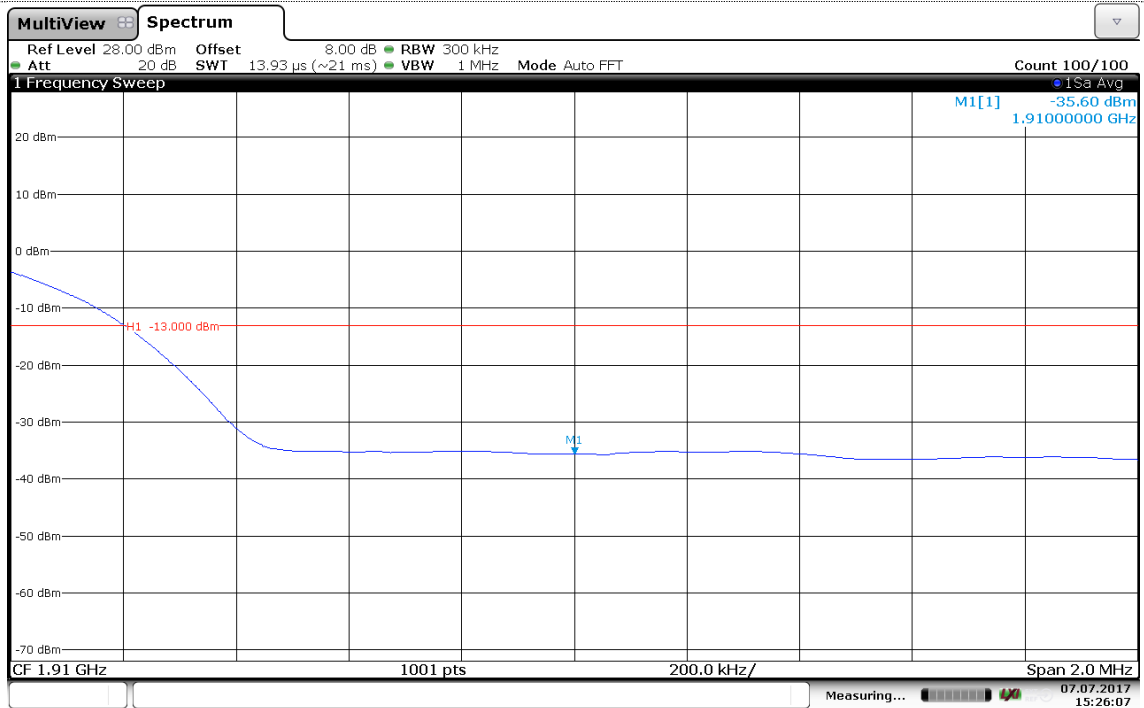
### Channel High-1RB#

### LTE Band 2-20MHz-QPSK



Date: 7.JUL.2017 15:24:57

### Channel Low-Full RB#



Date: 7.JUL.2017 15:26:06

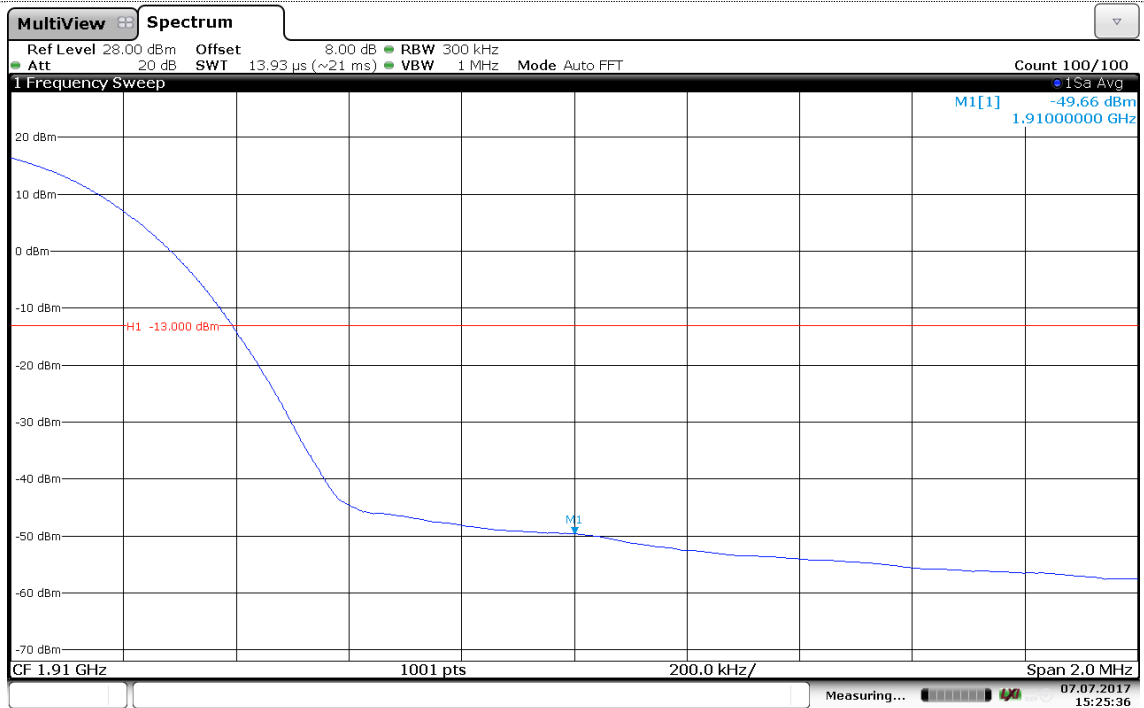
### Channel High-Full RB#

### LTE Band 2-20MHz-16QAM



Date: 7.JUL.2017 15:24:25

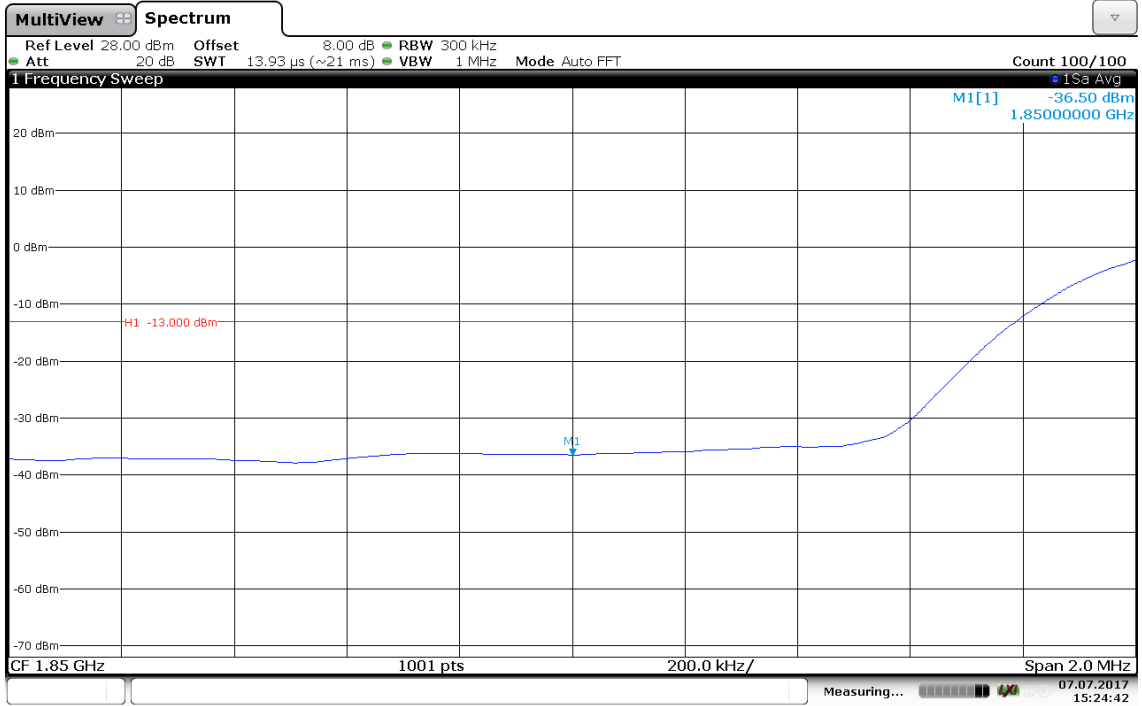
### Channel Low-1RB#



Date: 7.JUL.2017 15:25:37

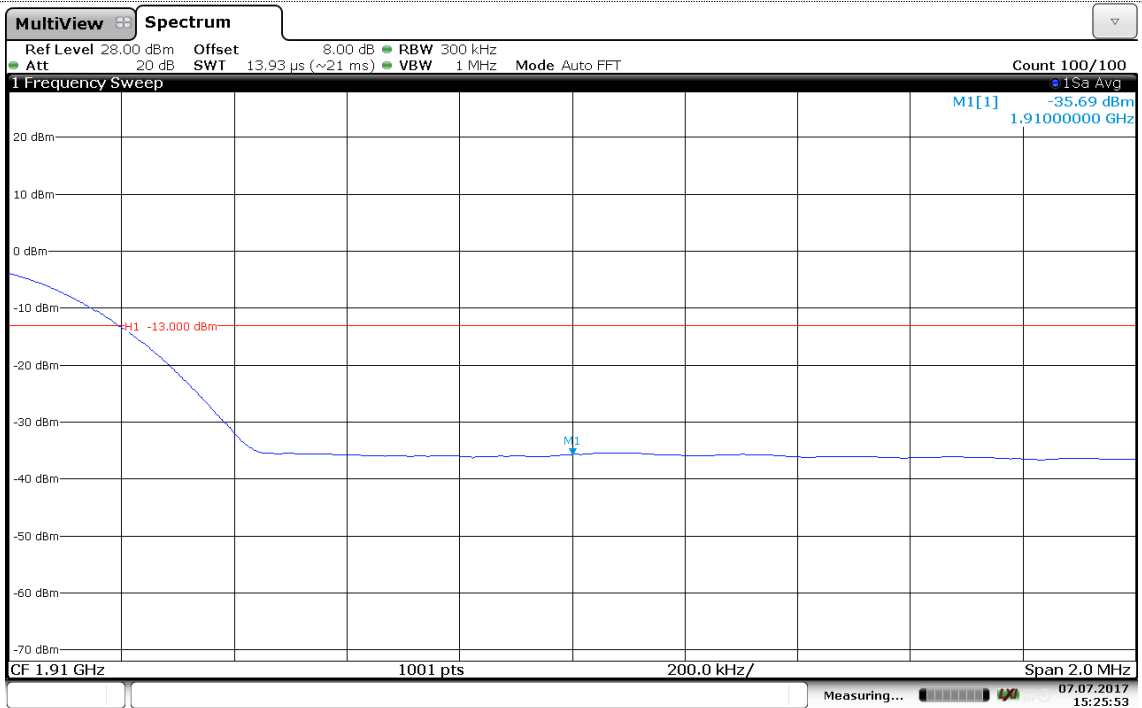
### Channel High-1RB#

### LTE Band 2-20MHz-16QAM



Date: 7.JUL.2017 15:24:42

### Channel Low-Full RB#

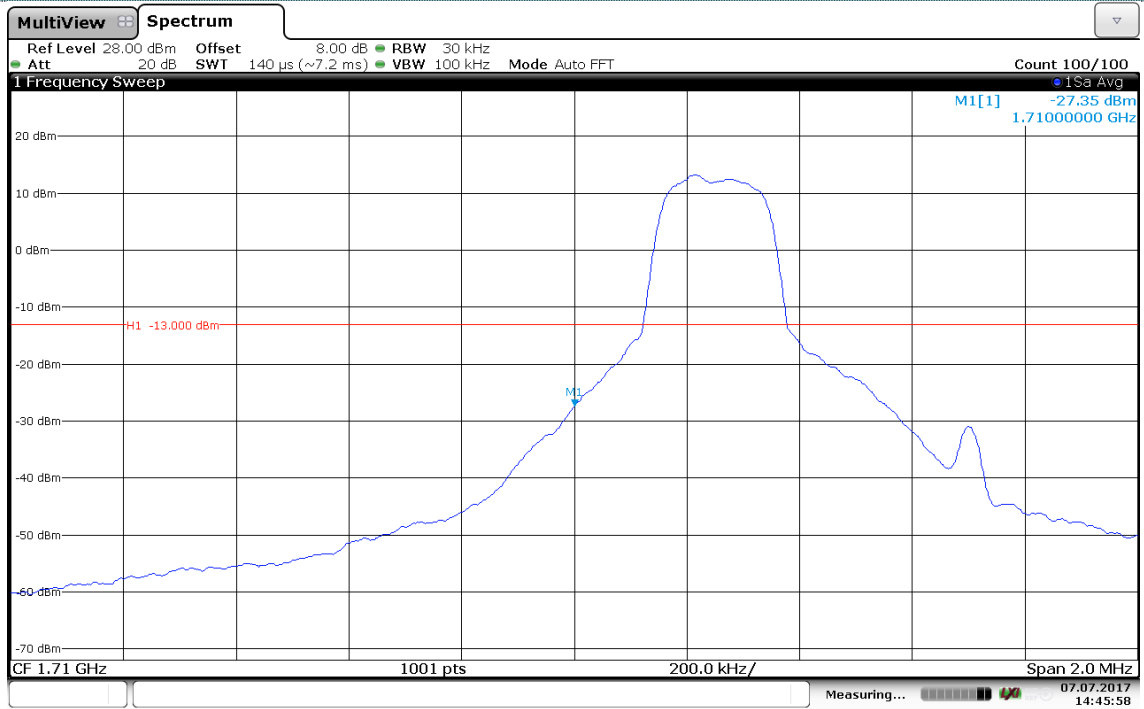


Date: 7.JUL.2017 15:25:53

### Channel High-Full RB#

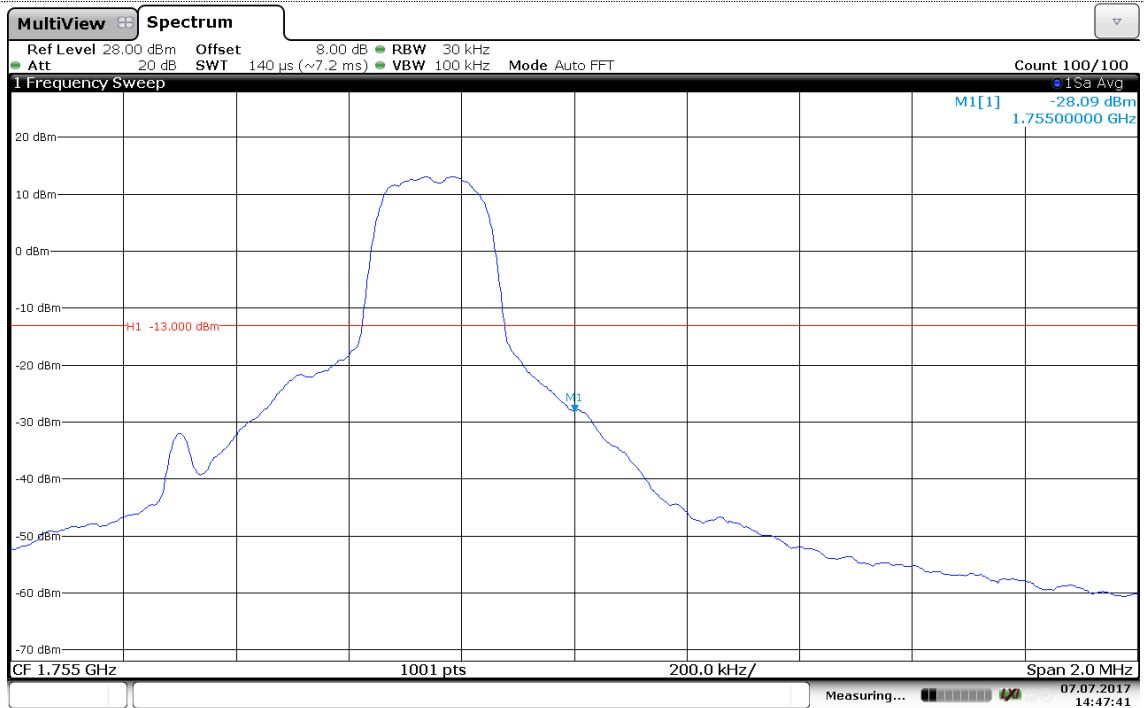


### LTE Band 4-1.4MHz-QPSK



Date: 7.JUL.2017 14:45:58

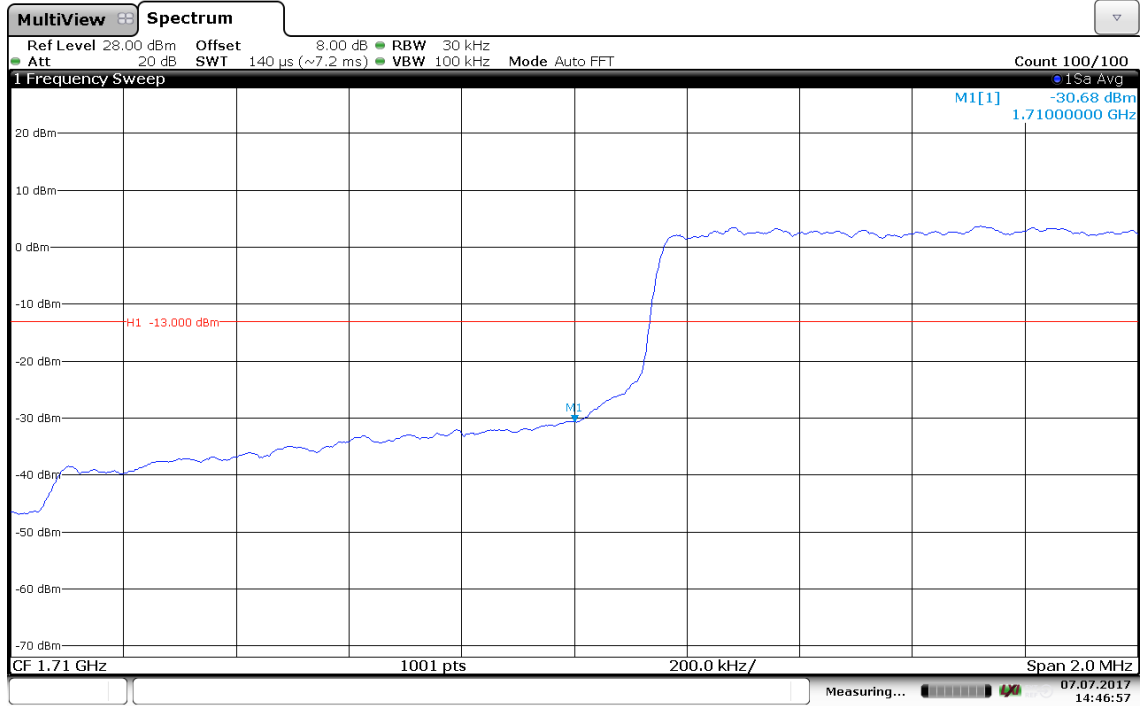
### Channel Low-1RB#



Date: 7.JUL.2017 14:47:41

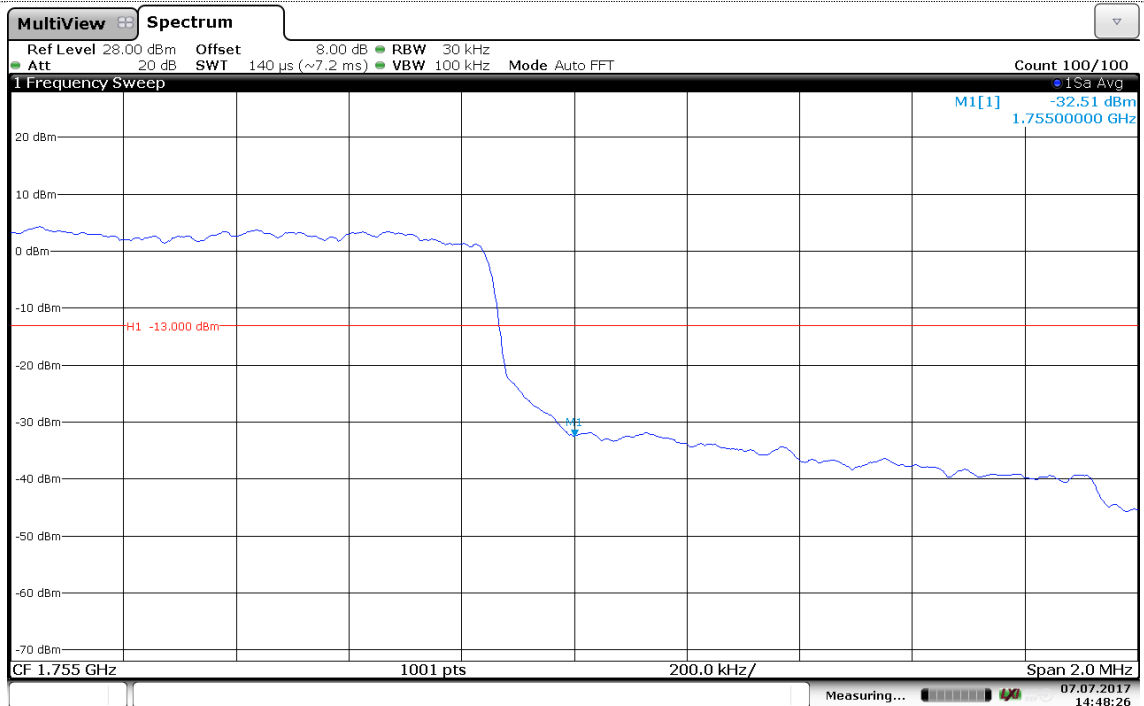
### Channel High-1RB#

### LTE Band 4-1.4MHz-QPSK



Date: 7.JUL.2017 14:46:57

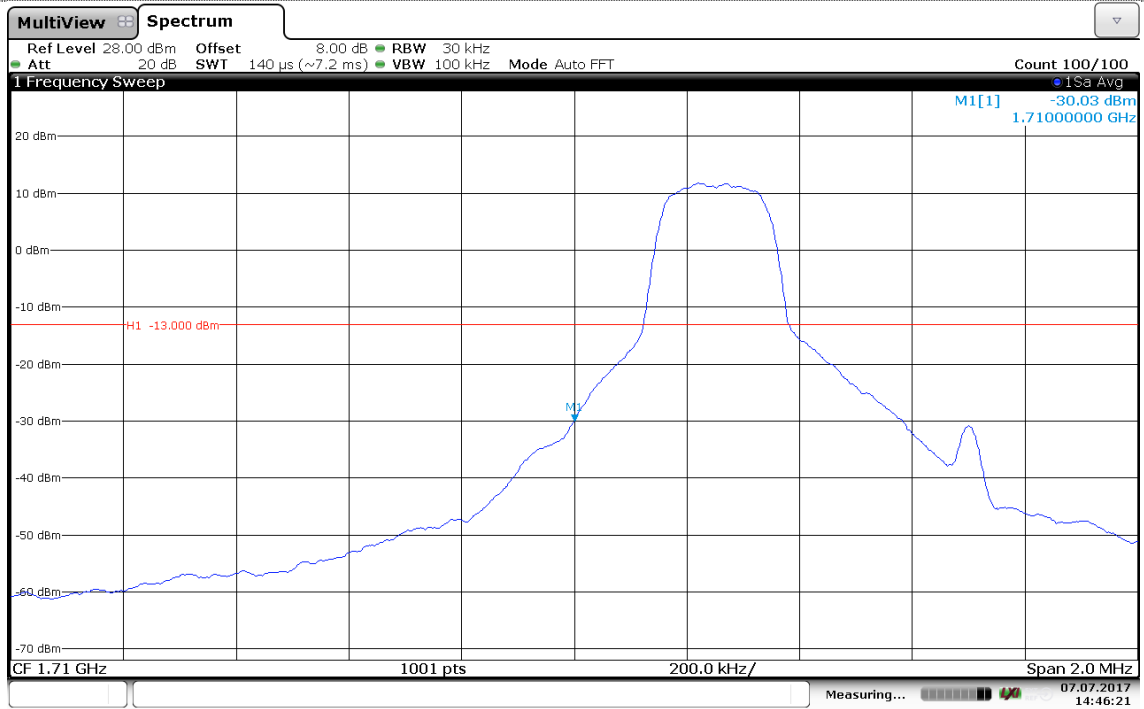
### Channel Low-Full RB#



Date: 7.JUL.2017 14:48:26

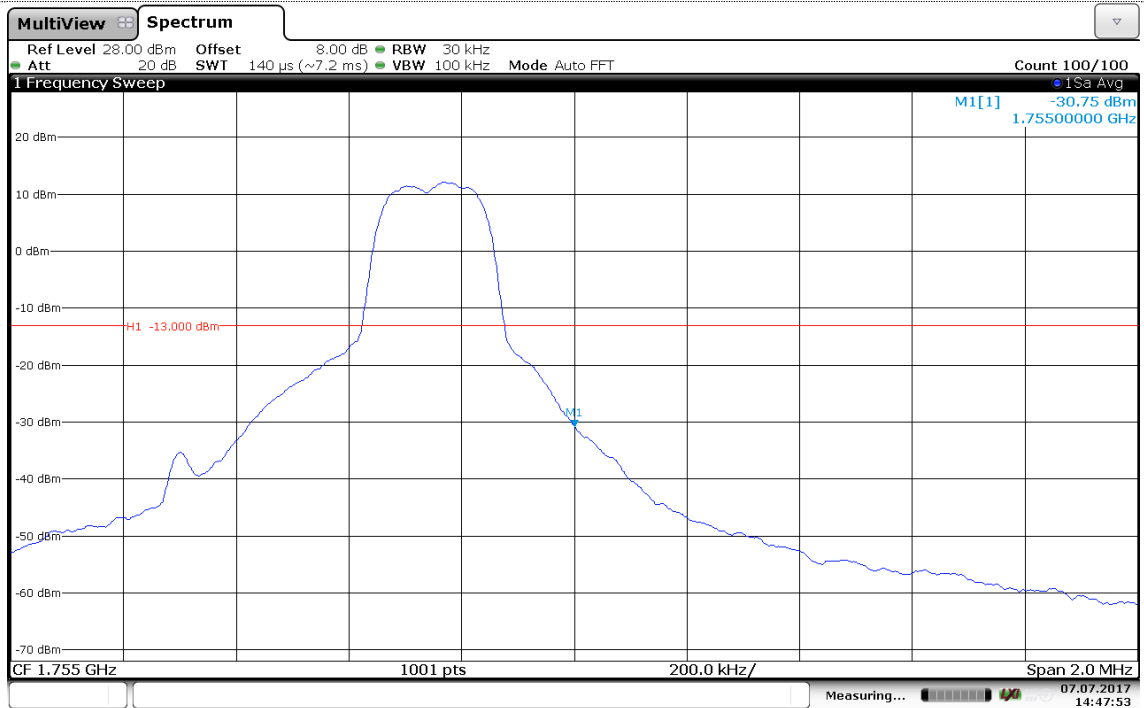
### Channel High-Full RB#

### LTE Band 4-1.4MHz-16QAM



Date: 7.JUL.2017 14:46:21

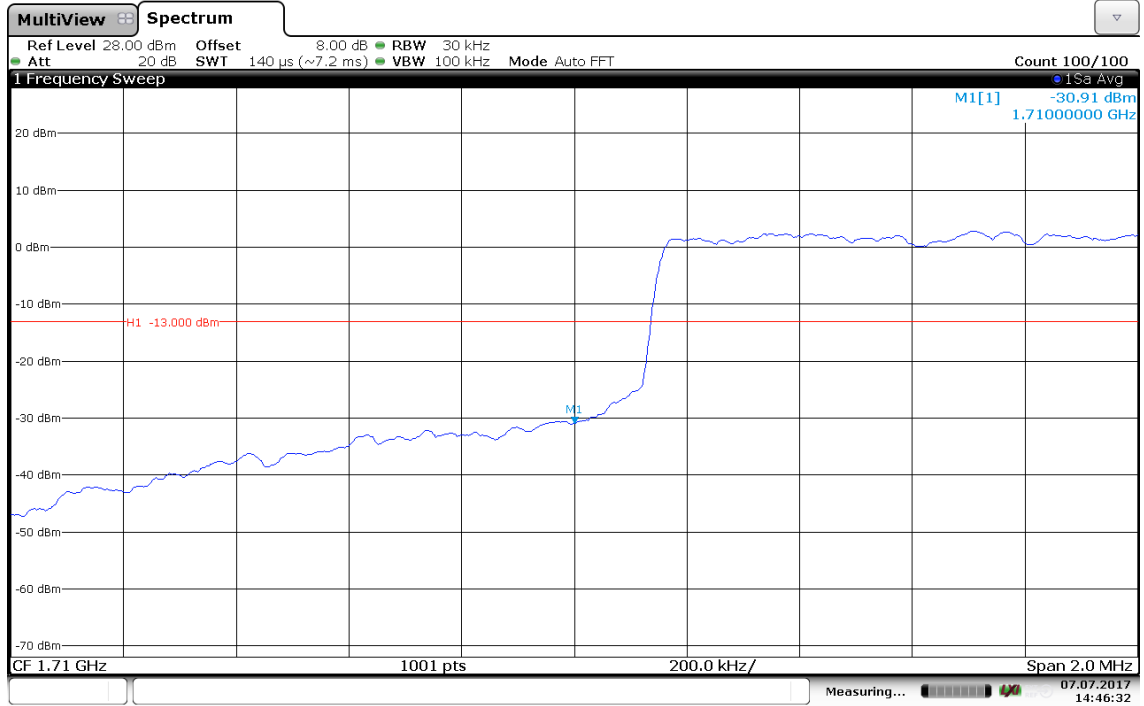
### Channel Low-1RB#



Date: 7.JUL.2017 14:47:53

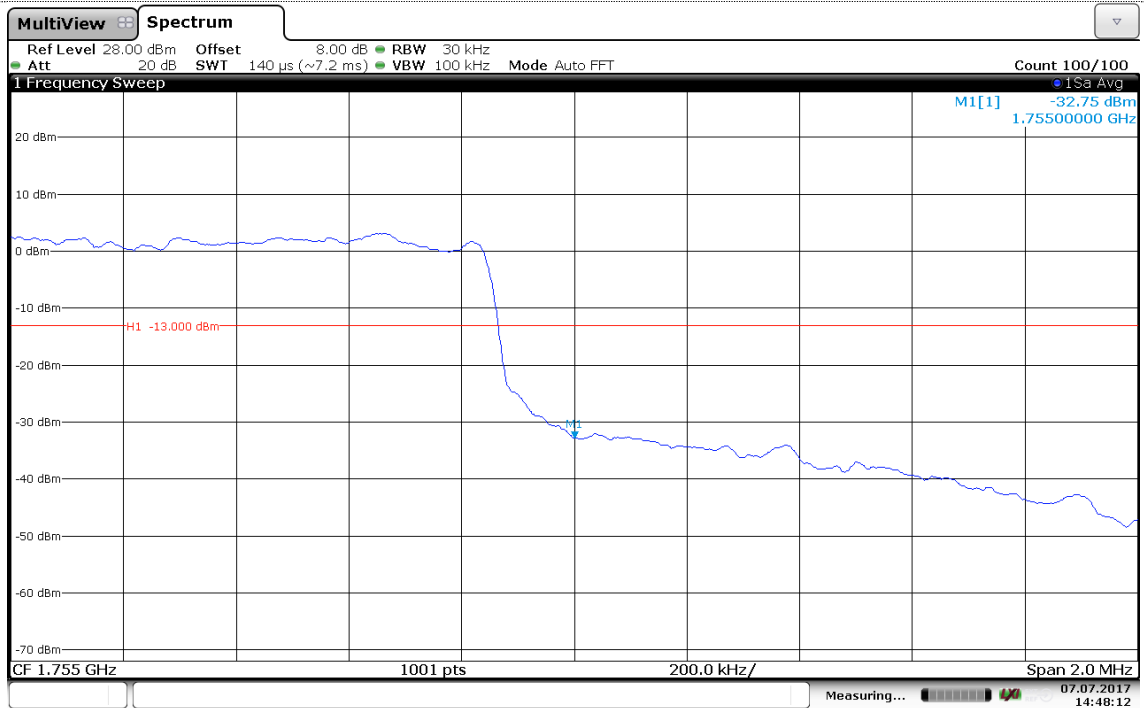
### Channel High-1RB#

### LTE Band 4-1.4MHz-16QAM



Date: 7.JUL.2017 14:46:32

### Channel Low-Full RB#



Date: 7.JUL.2017 14:48:13

### Channel High-Full RB#