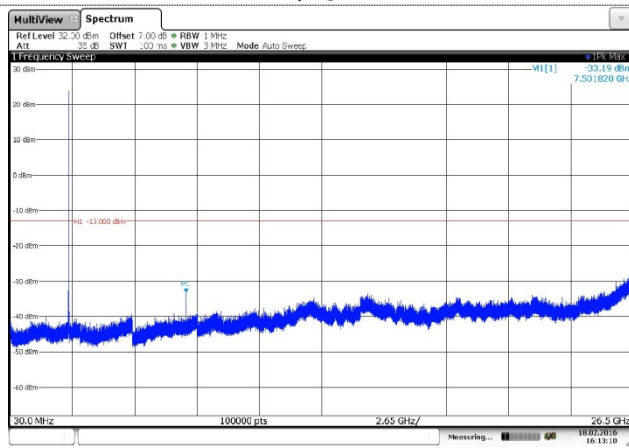
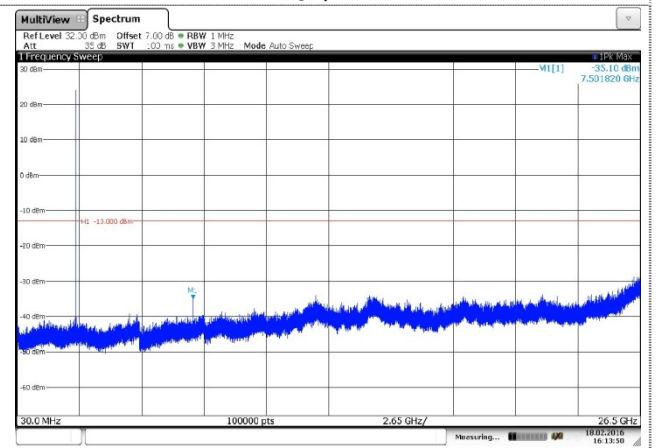


## LTE Band 7-10MHz

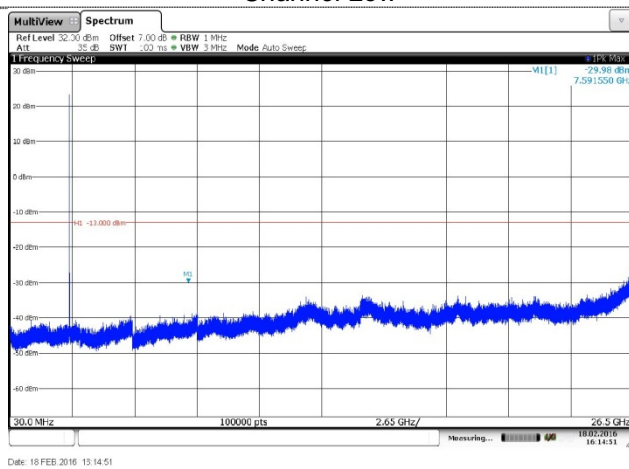
## QPSK



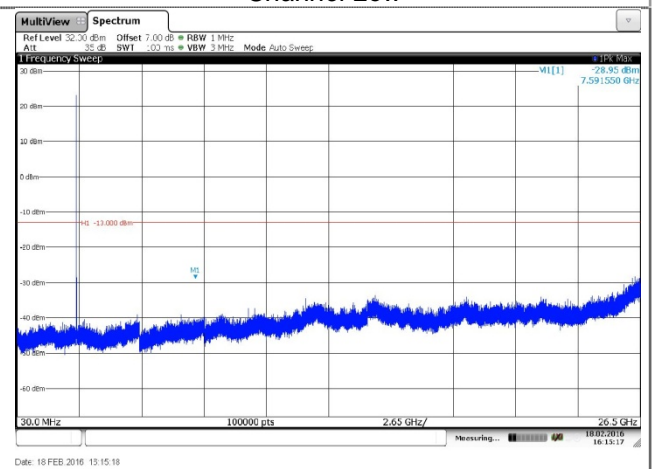
## 16QAM



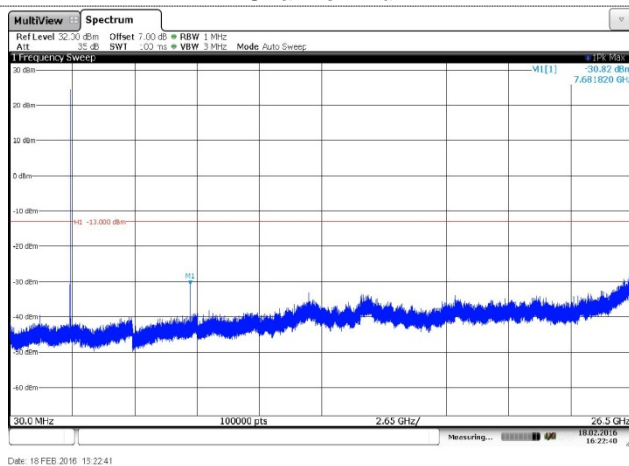
## Channel Low



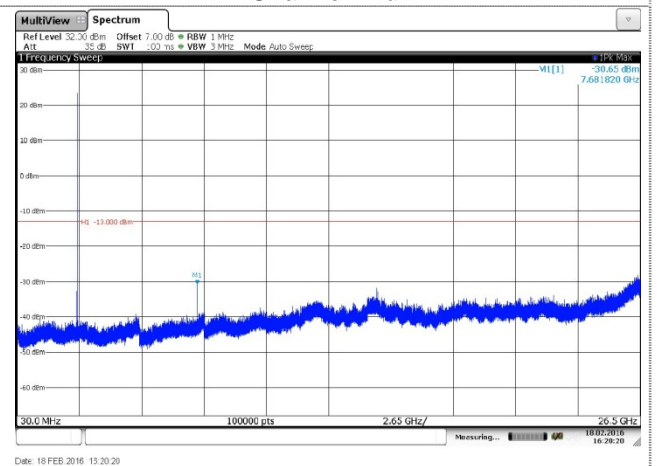
## Channel Low



## Channel Mid



## Channel Mid

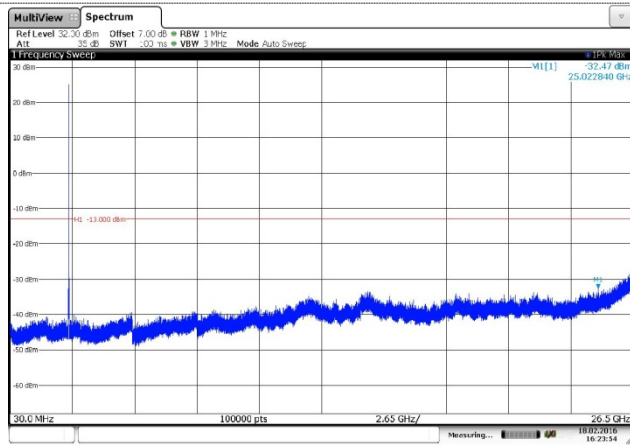


## Channel High

## Channel High

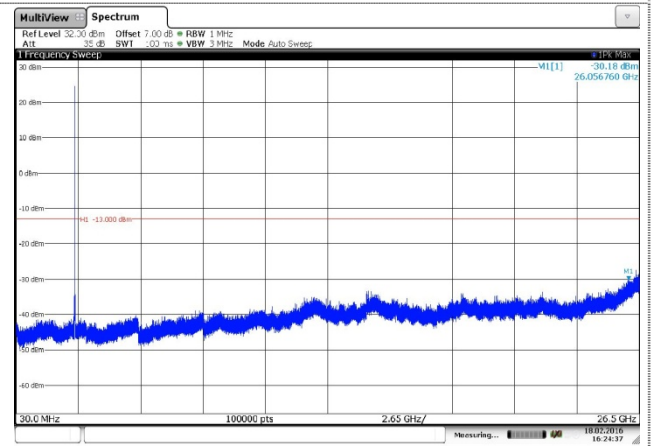
## LTE Band 7-15MHz

## QPSK



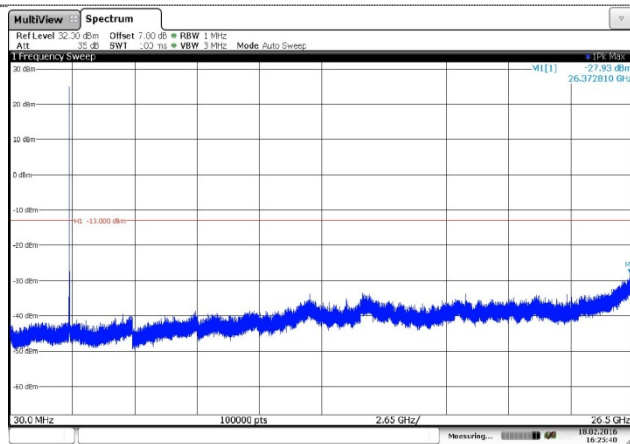
Date: 18 FEB 2016 13:23:55

## 16QAM



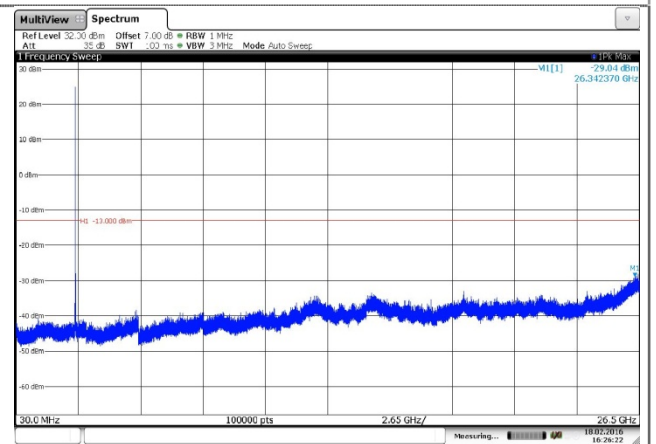
Date: 18 FEB 2016 13:24:37

## Channel Low



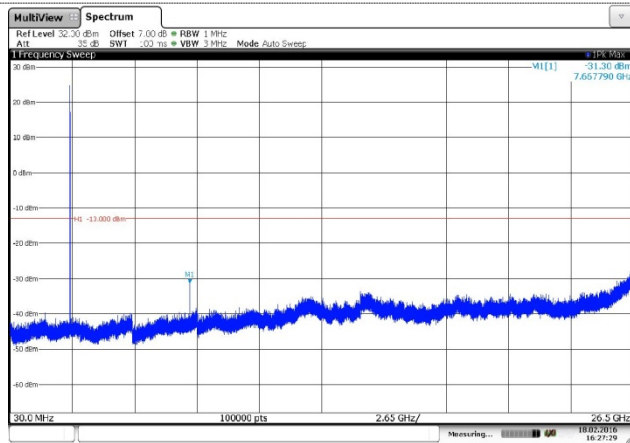
Date: 18 FEB 2016 13:25:40

## Channel Low



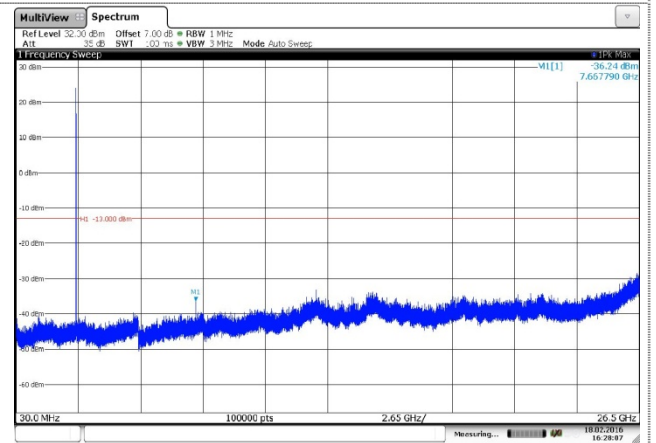
Date: 18 FEB 2016 13:26:23

## Channel Mid



Date: 18 FEB 2016 13:27:30

## Channel Mid



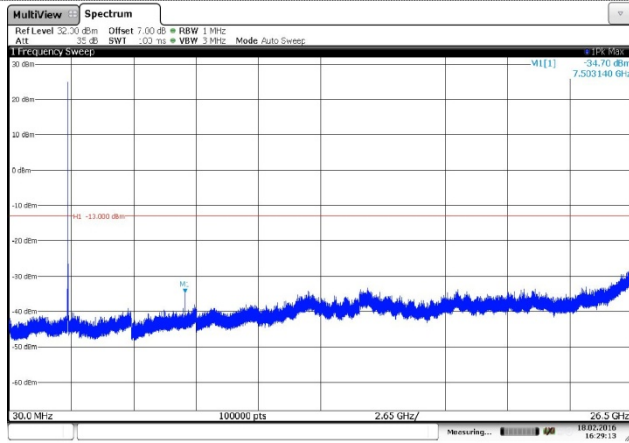
Date: 18 FEB 2016 13:28:07

## Channel High

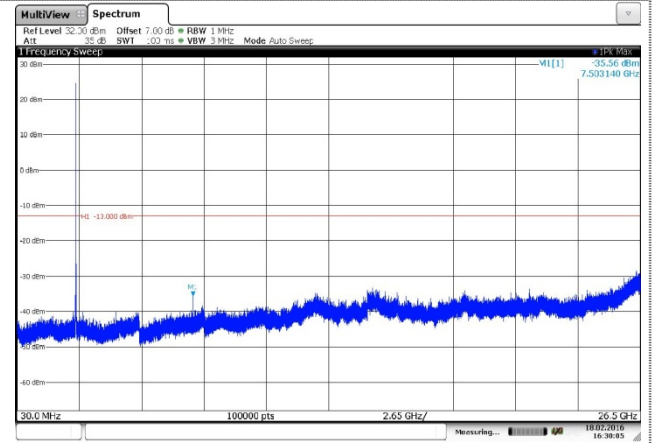
## Channel High

## LTE Band 7-20MHz

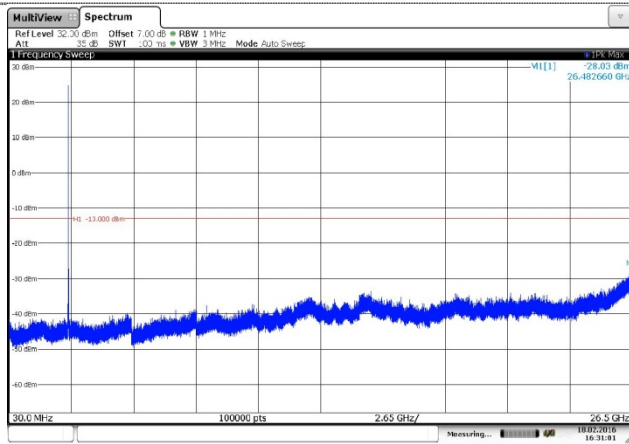
## QPSK



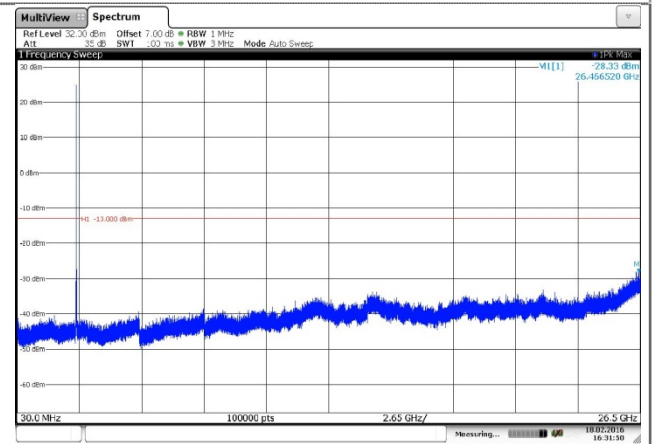
## 16QAM



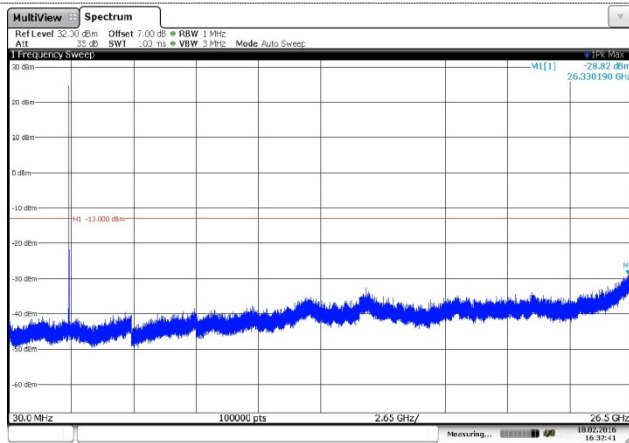
## Channel Low



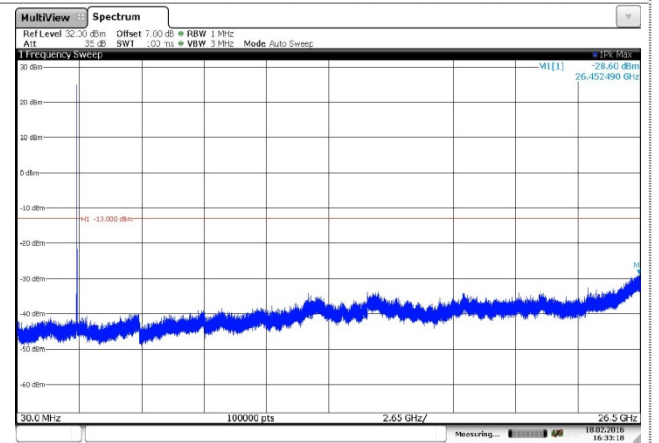
## Channel Low



## Channel Mid



## Channel Mid



## Channel High

## Channel High

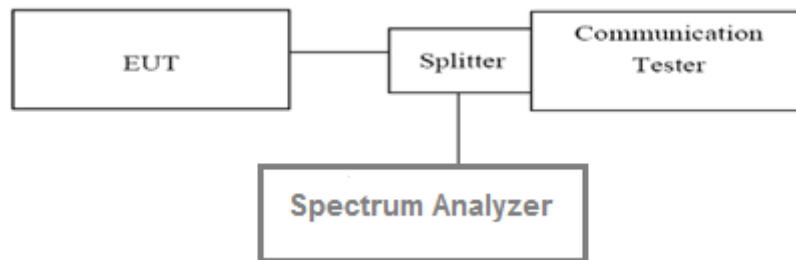
#### 4.4. Band Edge compliance

##### LIMIT

Part 24.238 and Part 22.917 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.

##### TEST CONFIGURATION

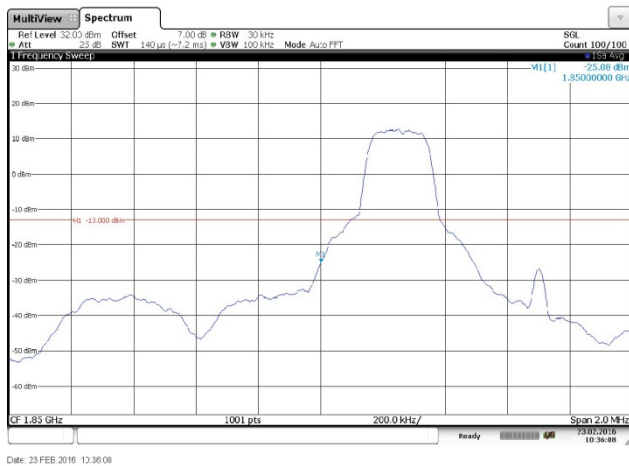


##### TEST PROCEDURE

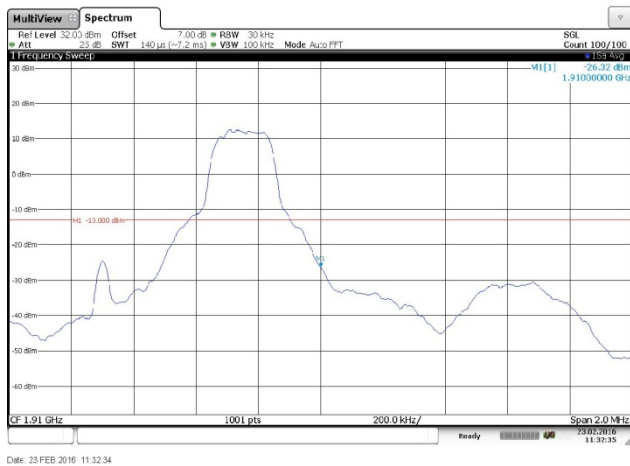
1. The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation.
2. The band edges of low and high channels for the highest RF powers were measured. Set RBW  $\geq$  1% EBW in the 1MHz band immediately outside and adjacent to the band edge.
3. Set spectrum analyzer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

##### TEST RESULTS

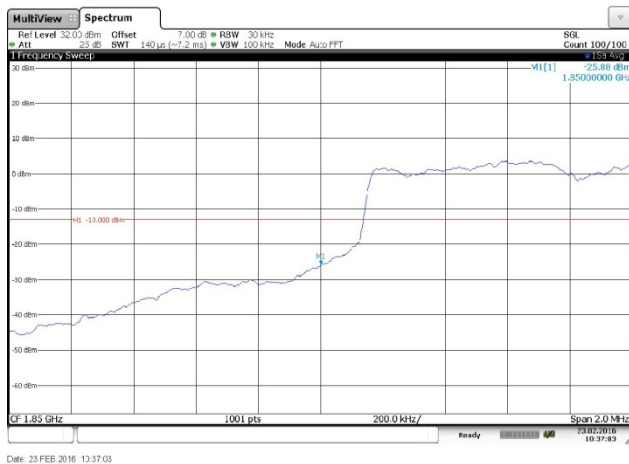
LTE Band 2-1.4MHz-QPSK



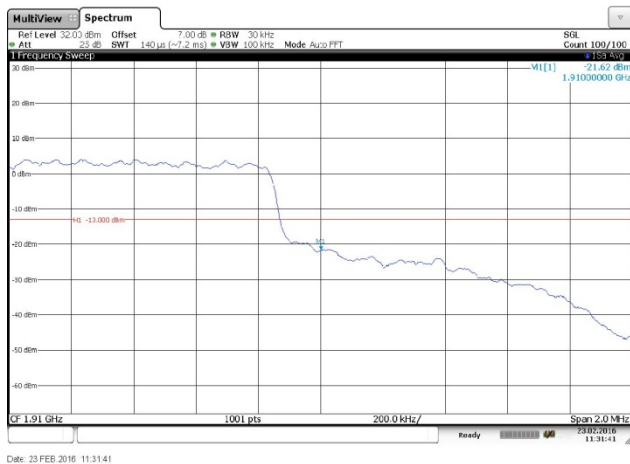
Channel Low-1RB#



Channel High-1RB#

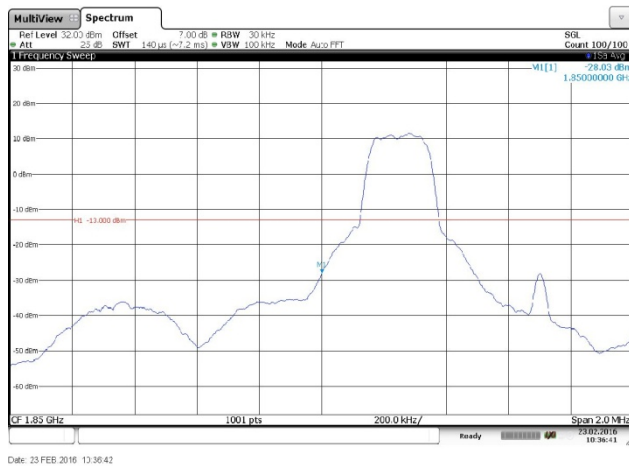


Channel Low-Full RB#

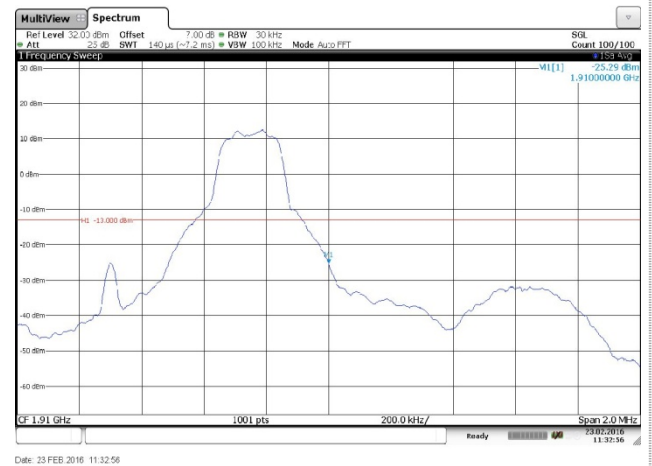


Channel High-Full RB#

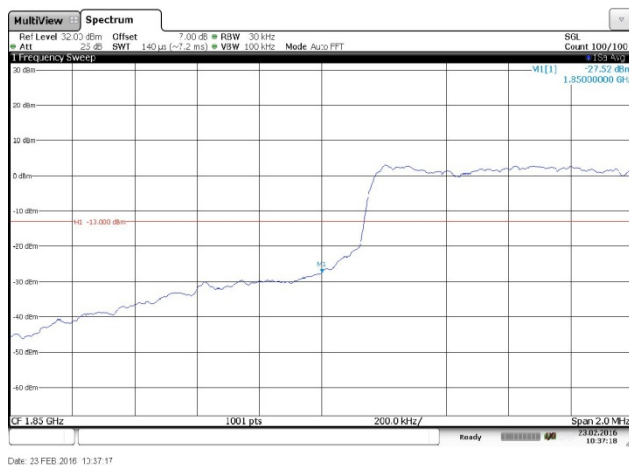
## LTE Band 2-1.4MHz-16QAM



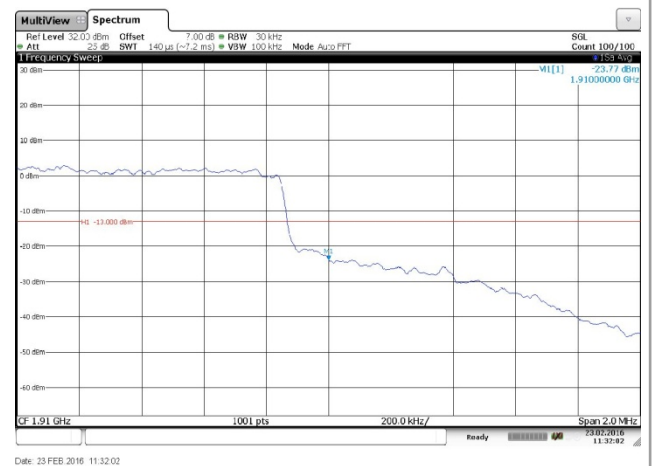
Channel Low-1RB#



Channel High-1RB#

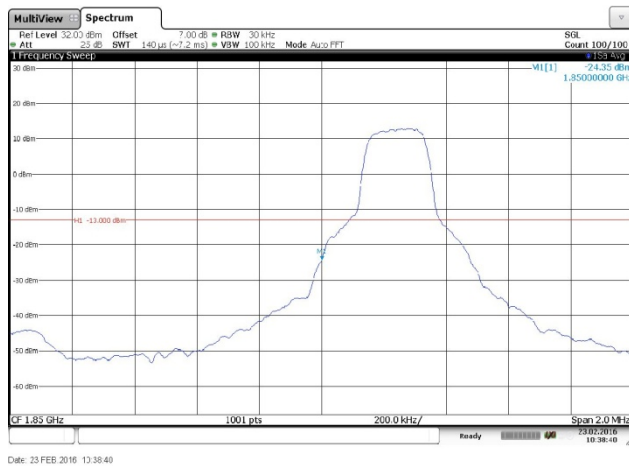


Channel Low-Full RB#

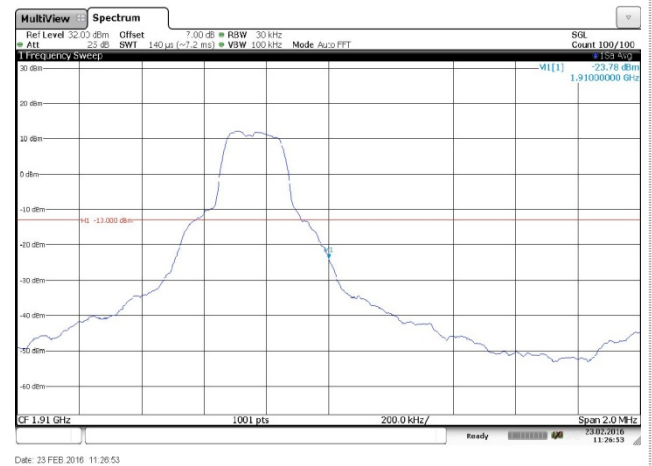


Channel High-Full RB#

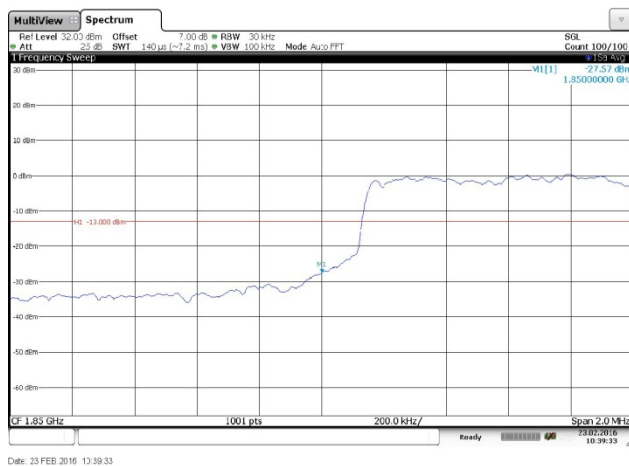
## LTE Band 2-3MHz-QPSK



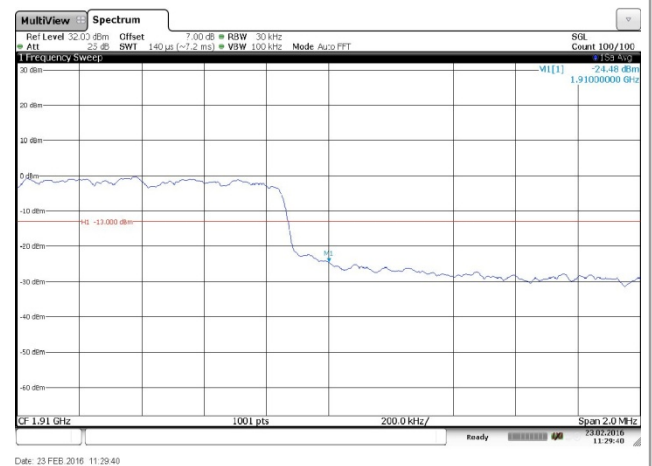
Channel Low-1RB#



Channel High-1RB#



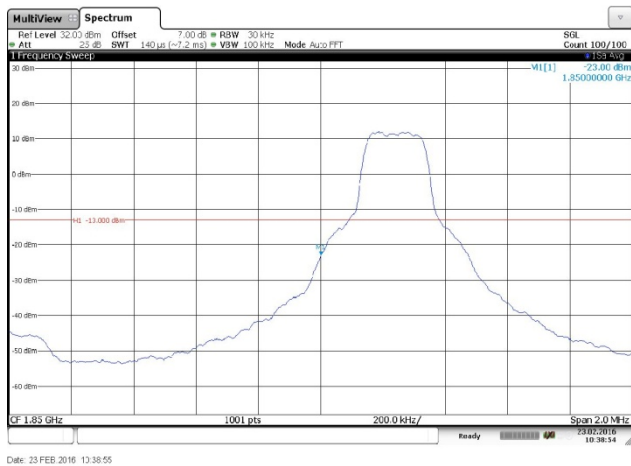
Channel Low-Full RB#



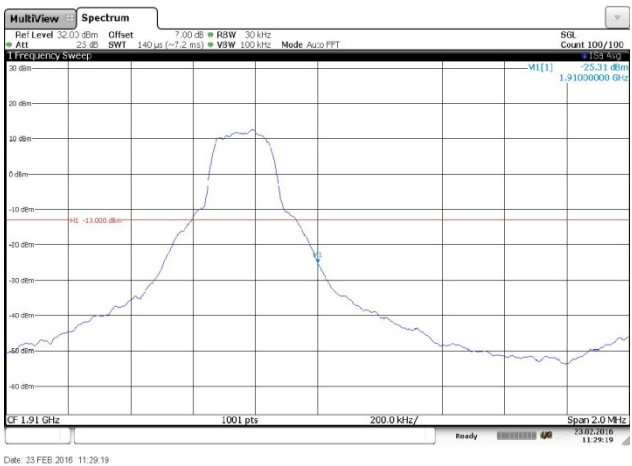
Channel High-Full RB#



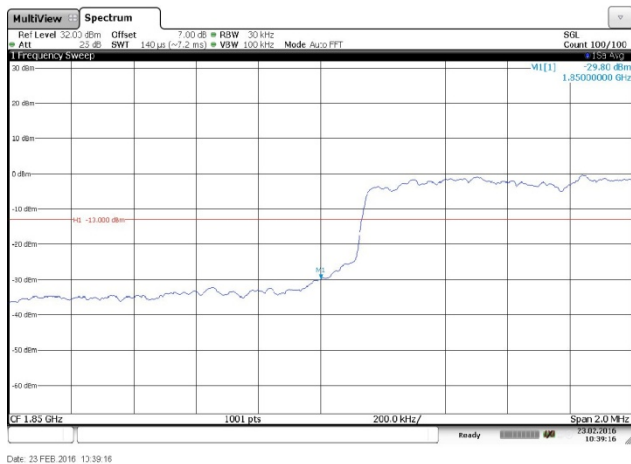
LTE Band 2-3MHz-16QAM



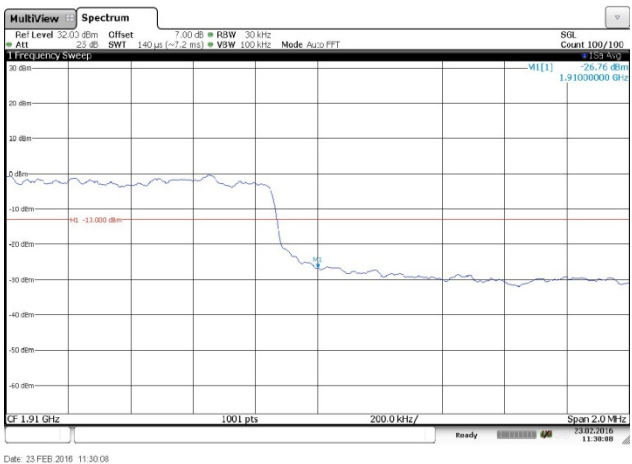
Channel Low-1RB#



Channel High-1RB#

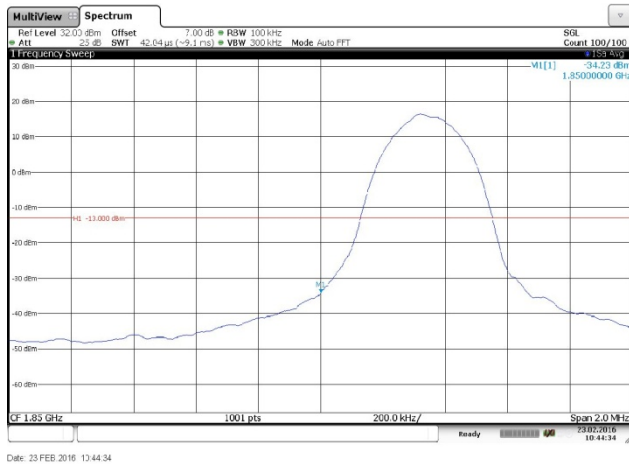


Channel Low-Full RB#

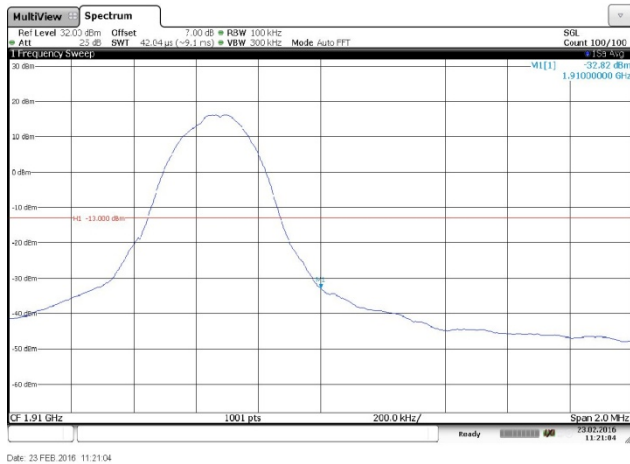


Channel High-Full RB#

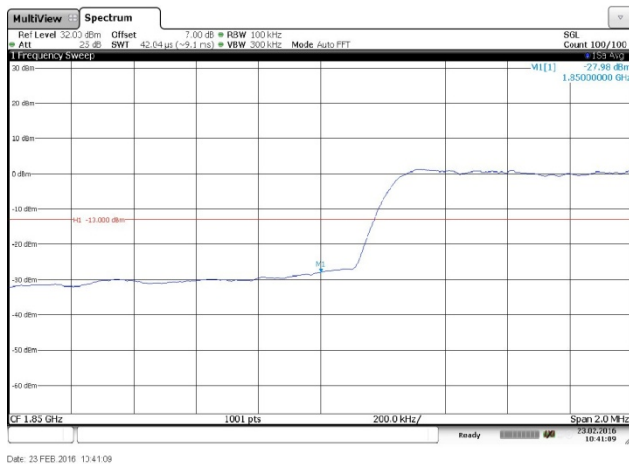
LTE Band 2-5MHz-QPSK



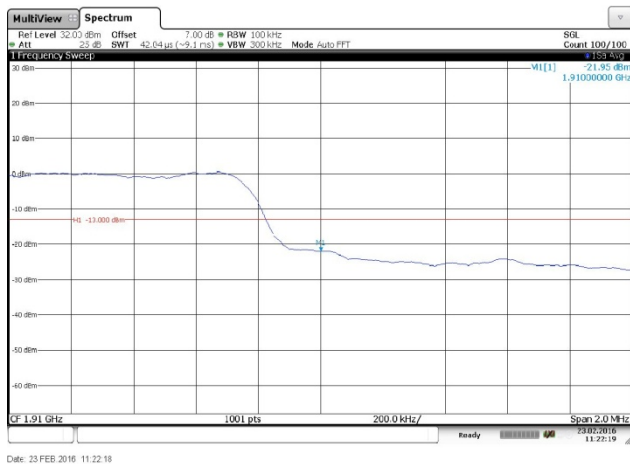
Channel Low-1RB#



Channel High-1RB#

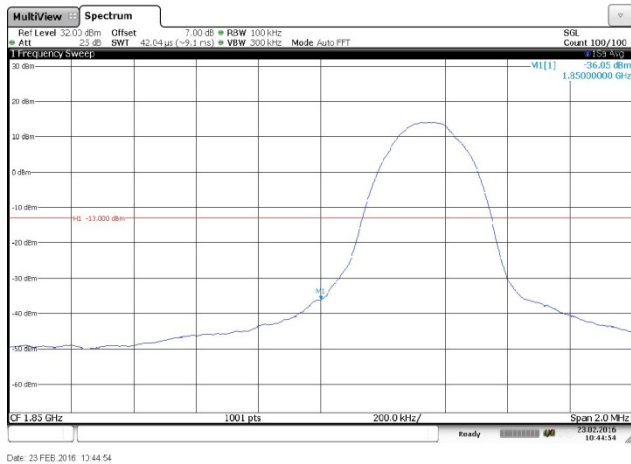


Channel Low-Full RB#

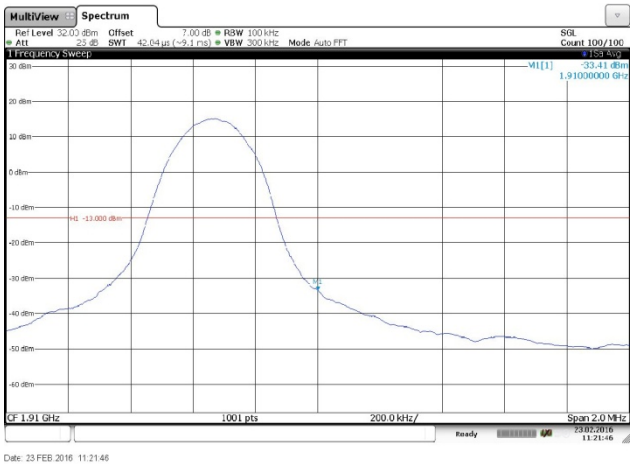


Channel High-Full RB#

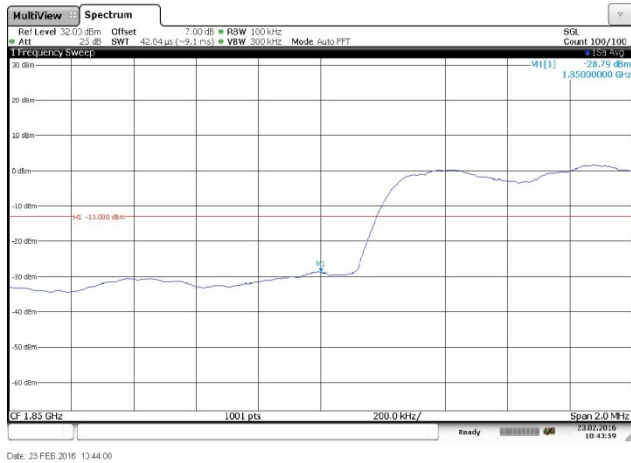
LTE Band 2-5MHz-16QAM



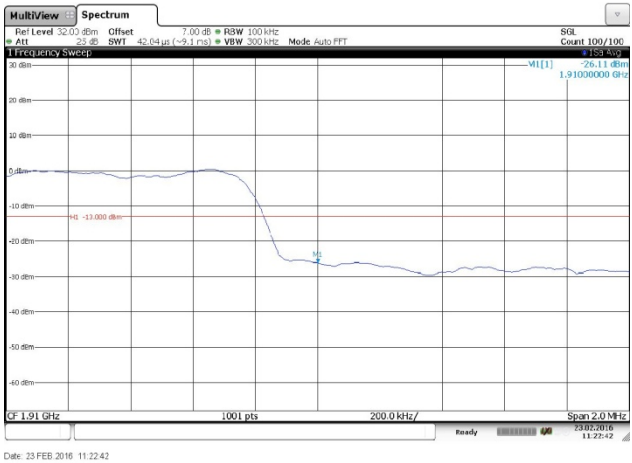
Channel Low-1RB#



Channel High-1RB#

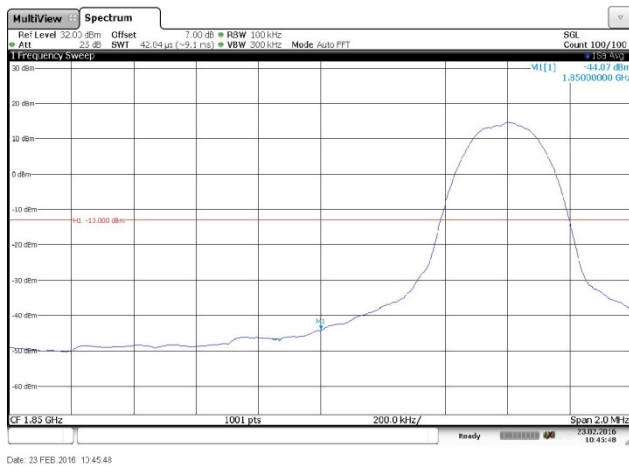


Channel Low-Full RB#

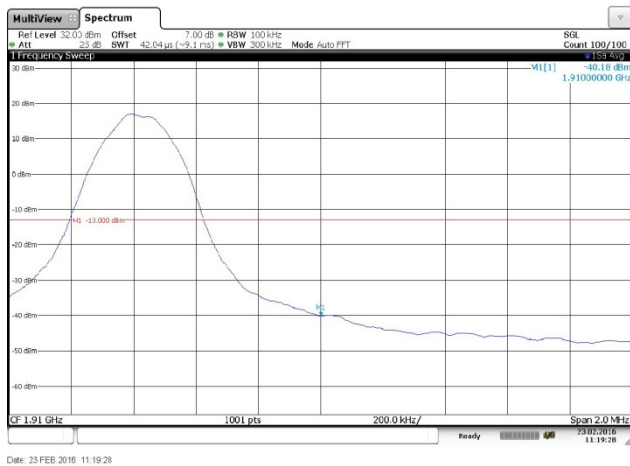


Channel High-Full RB#

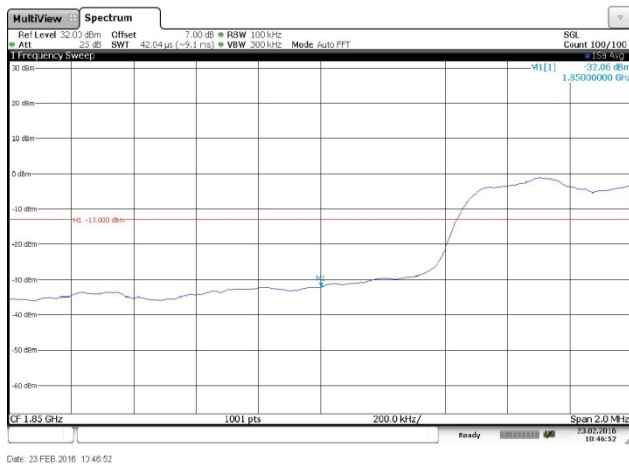
LTE Band 2-10MHz-QPSK



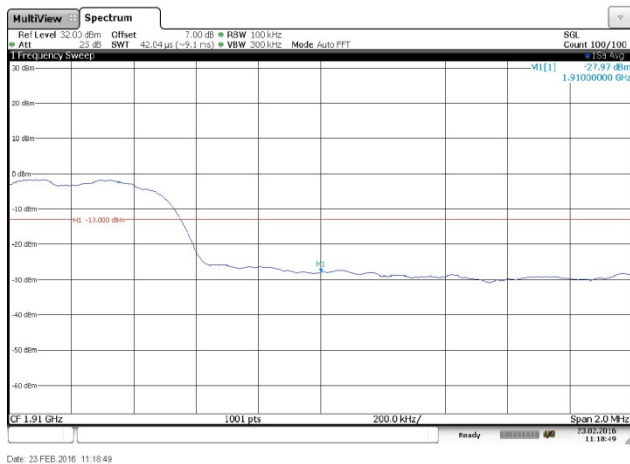
Channel Low-1RB#



Channel High-1RB#

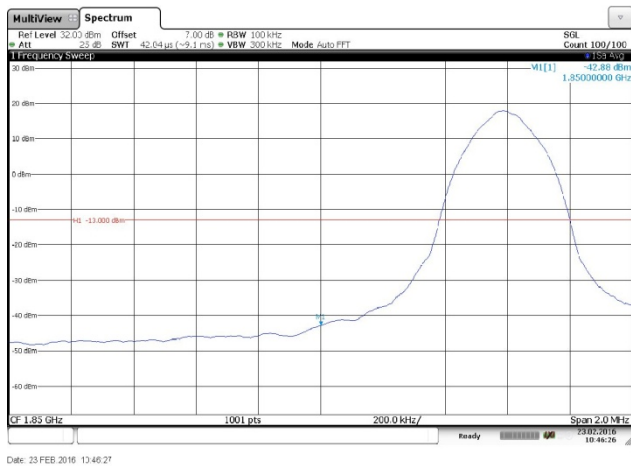


Channel Low-Full RB#

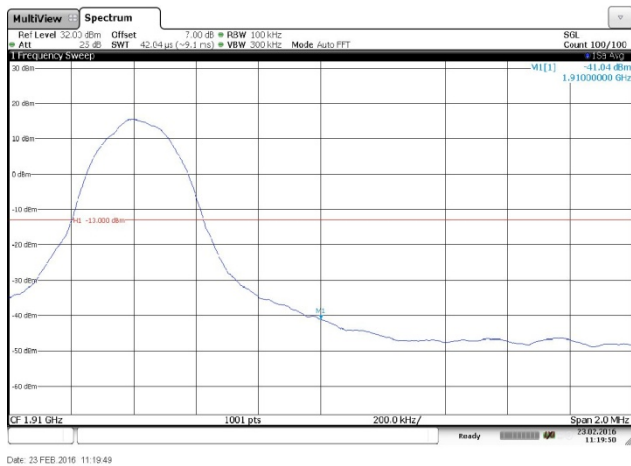


Channel High-Full RB#

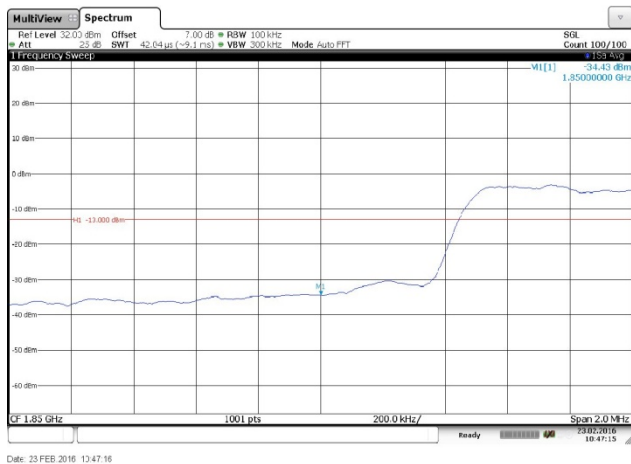
LTE Band 2-10MHz-16QAM



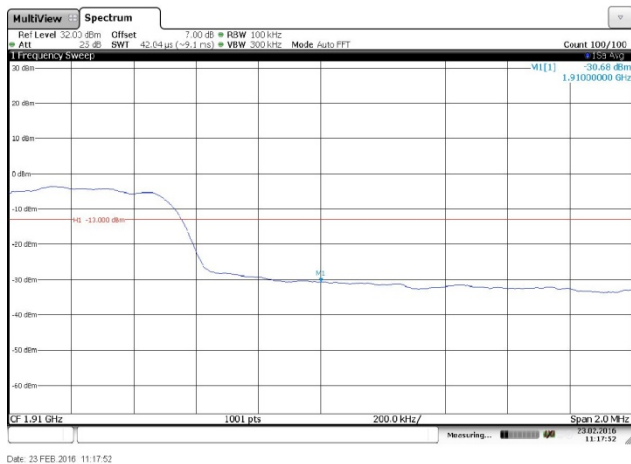
Channel Low-1RB#



Channel High-1RB#

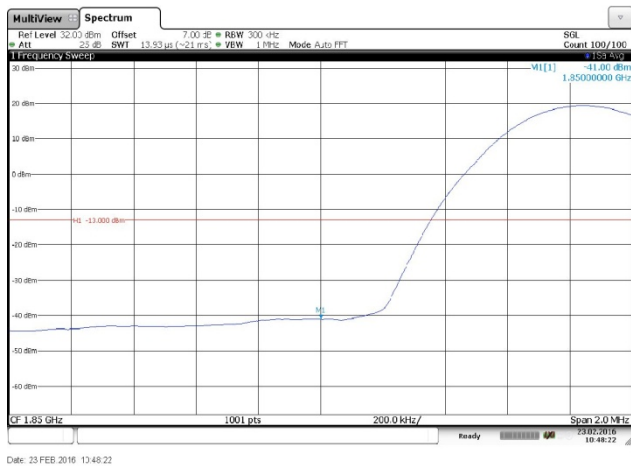


Channel Low-Full RB#

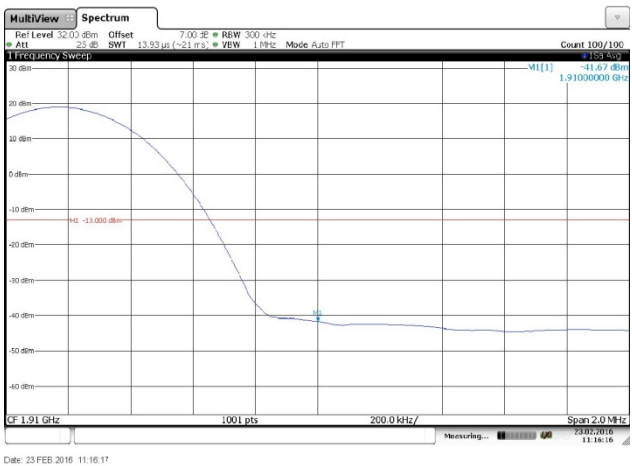


Channel High-Full RB#

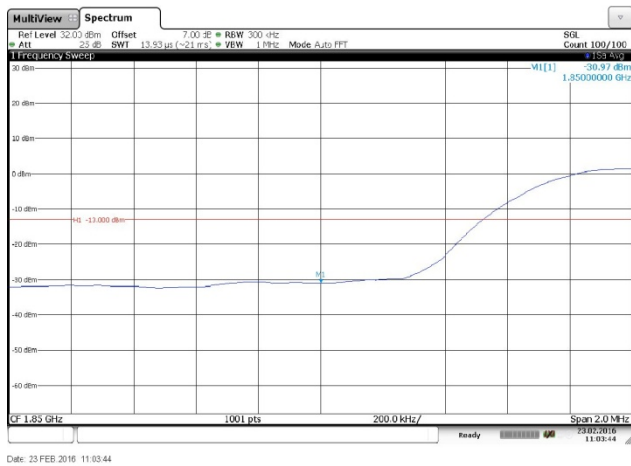
LTE Band 2-15MHz-QPSK



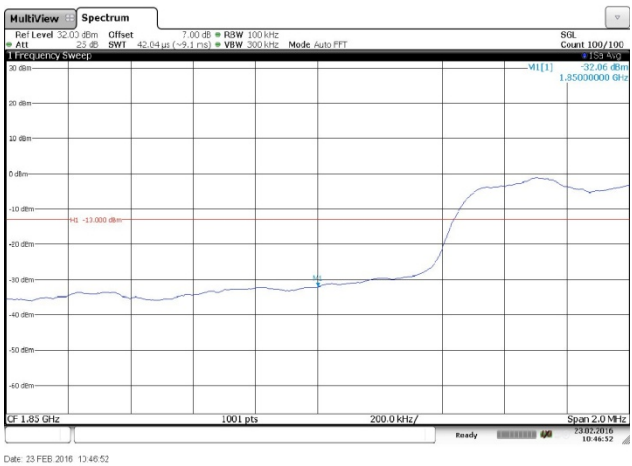
Channel Low-1RB#



Channel High-1RB#

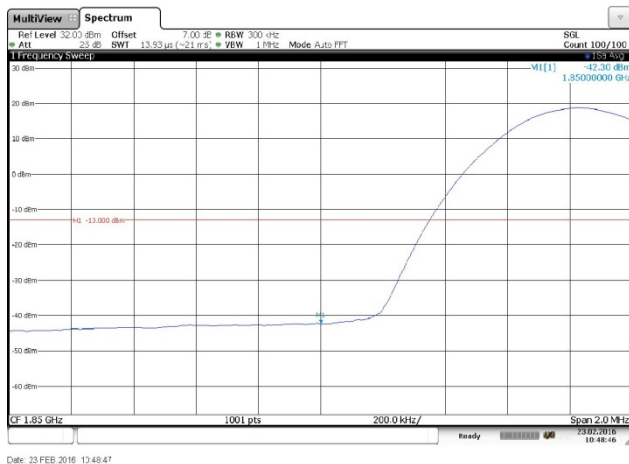


Channel Low-Full RB#

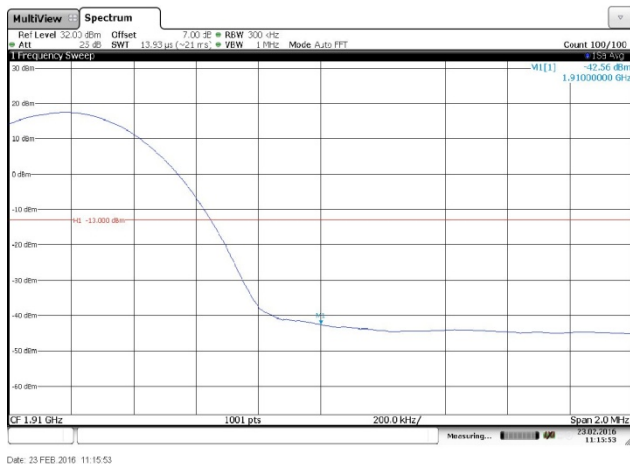


Channel High-Full RB#

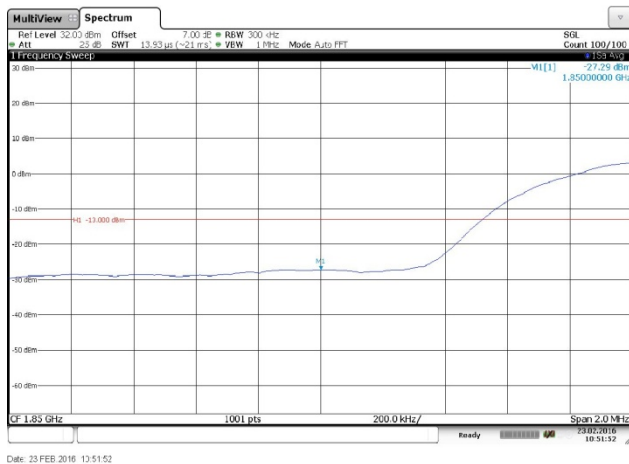
LTE Band 2-15MHz-16QAM



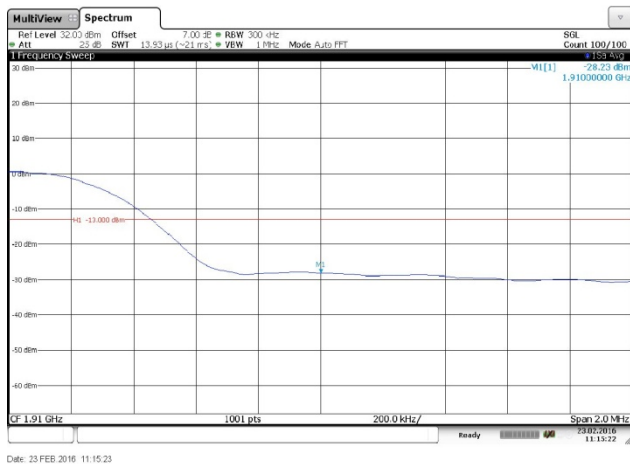
Channel Low-1RB#



Channel High-1RB#



Channel Low-Full RB#



Channel High-Full RB#