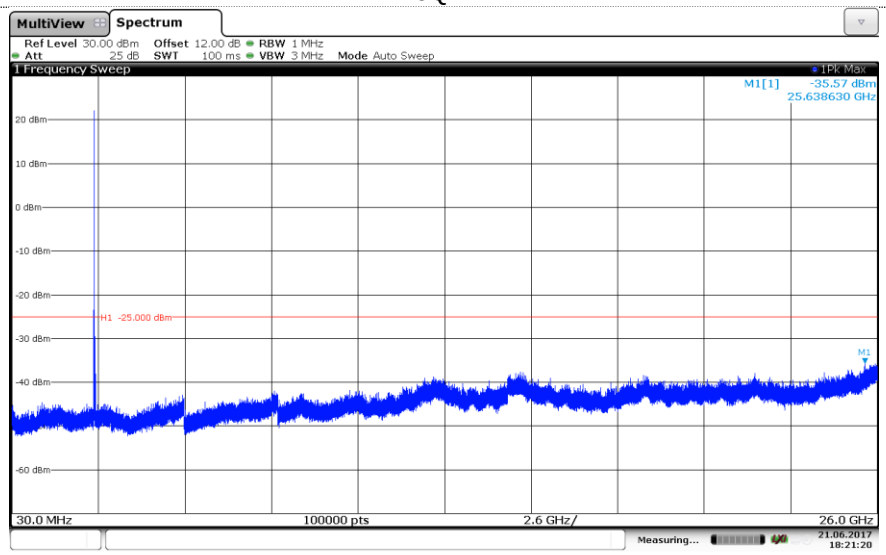
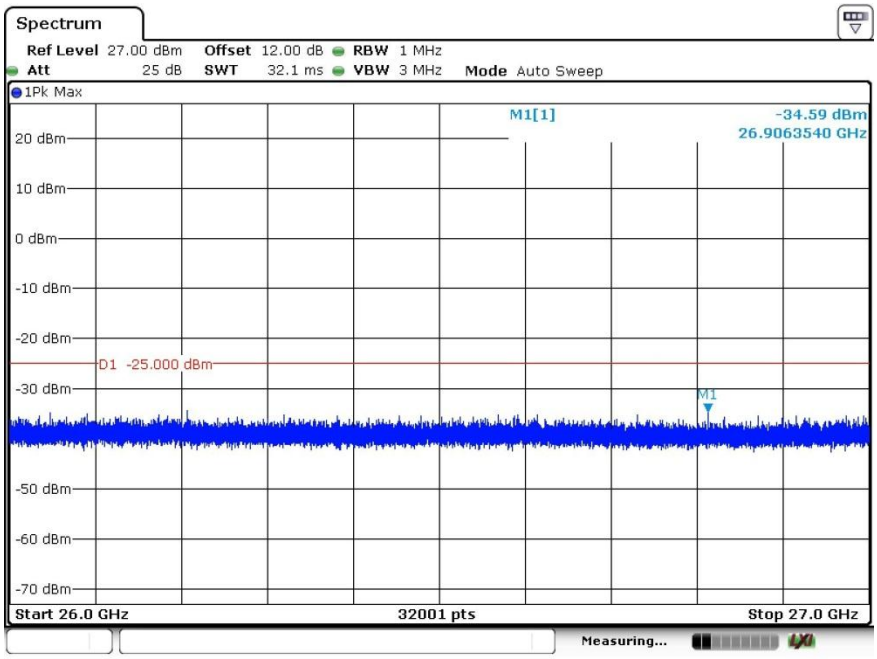
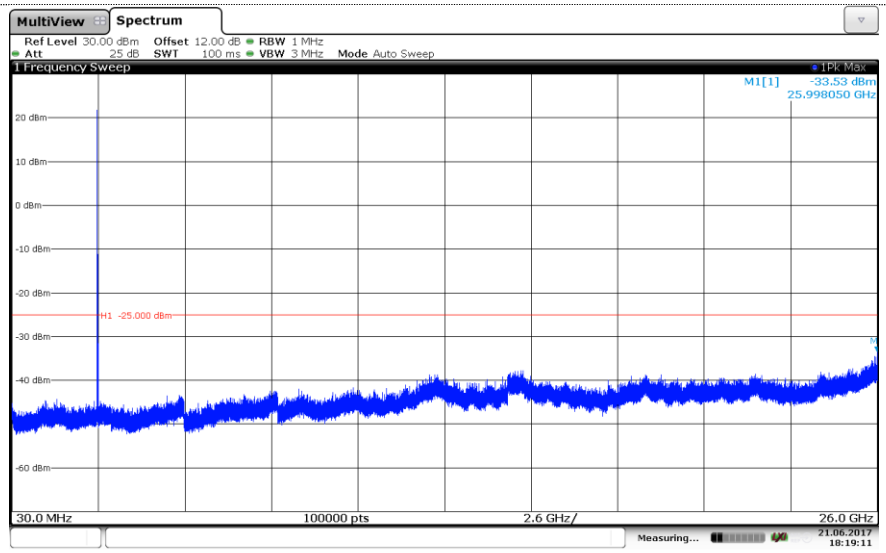
LTE Band 41-10MHz

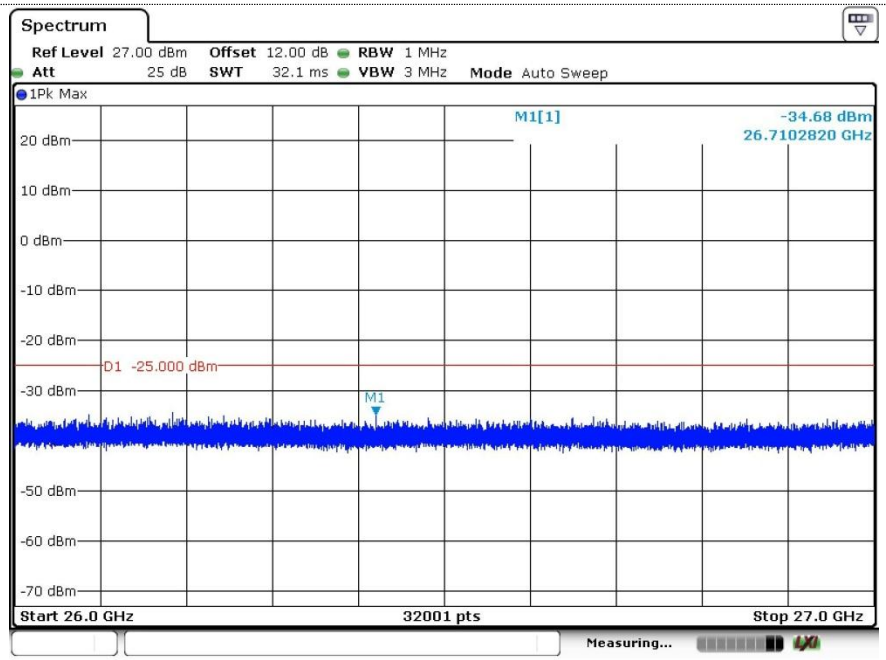
16QAM



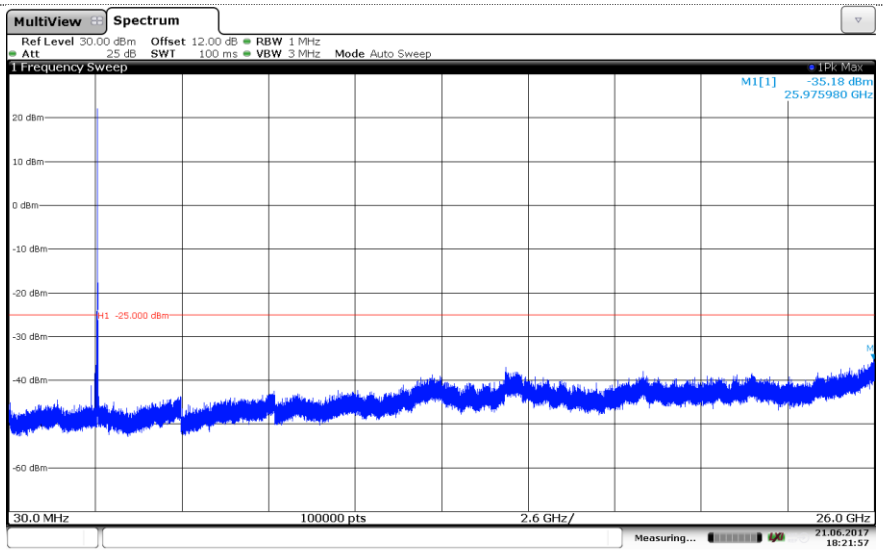


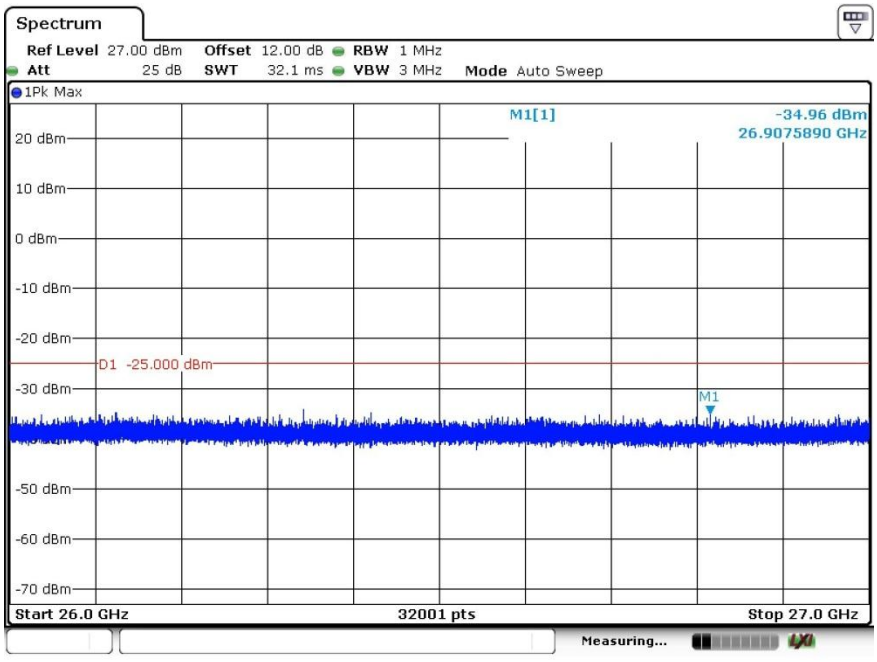
Channel Low





Channel Mid

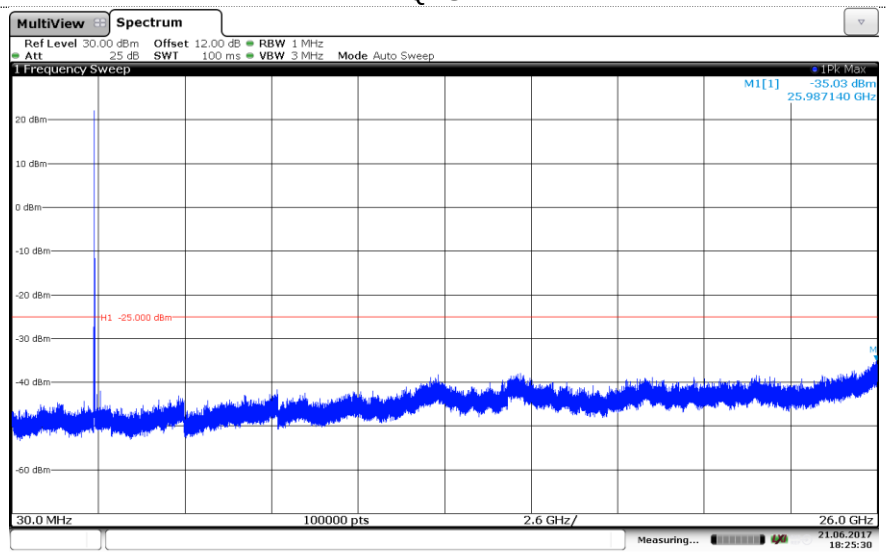


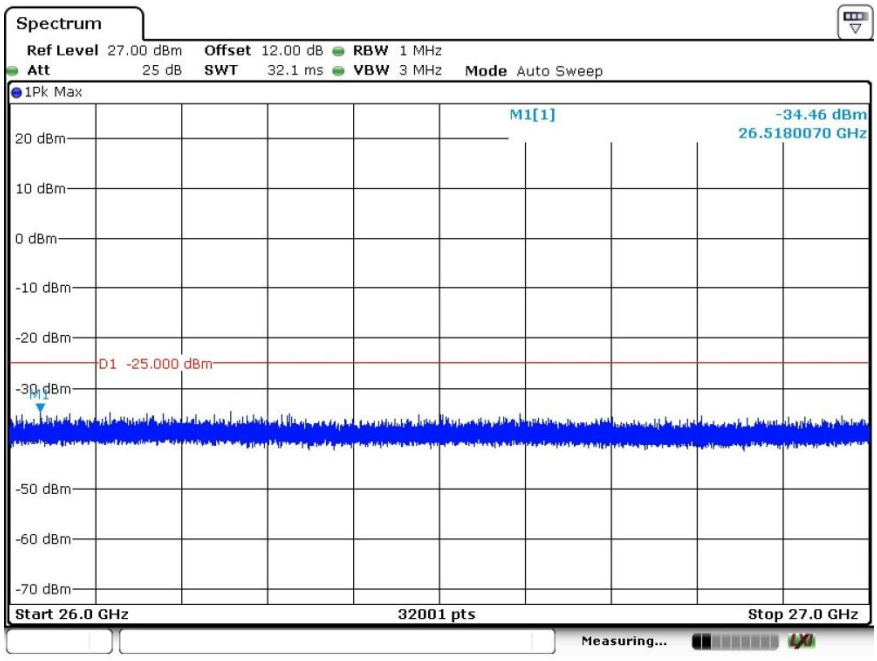


Channel High

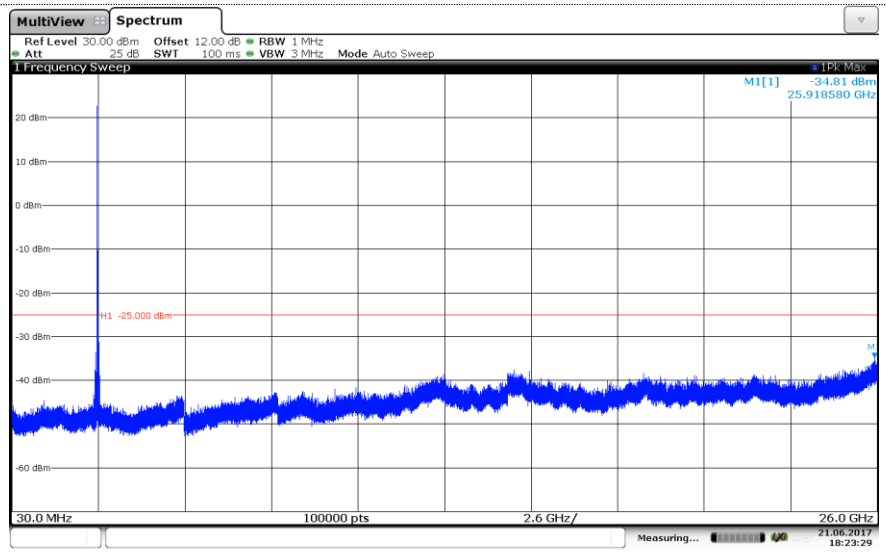
LTE Band 41-15MHz

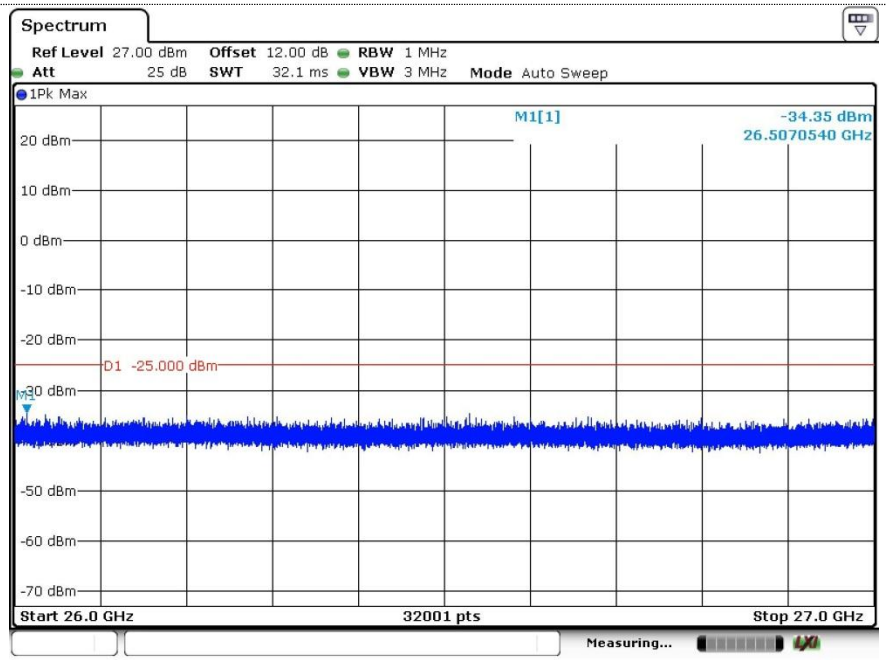
QPSK



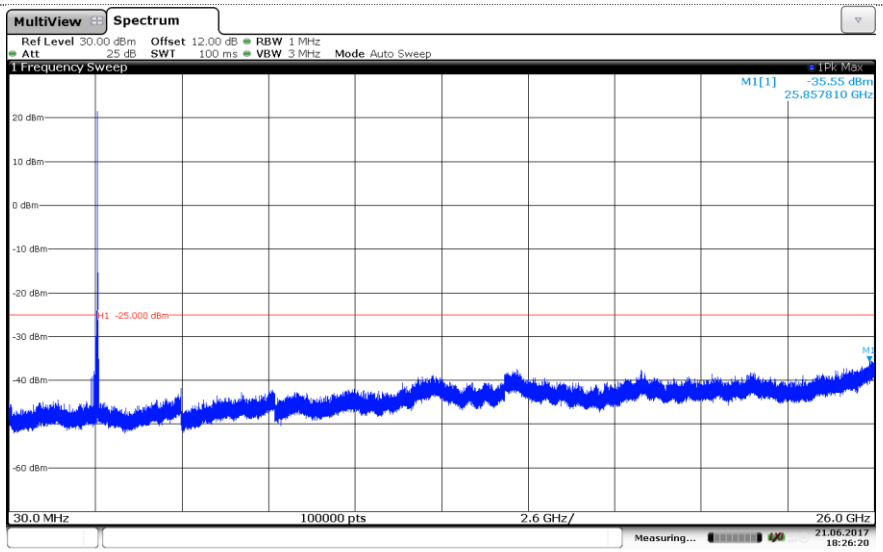


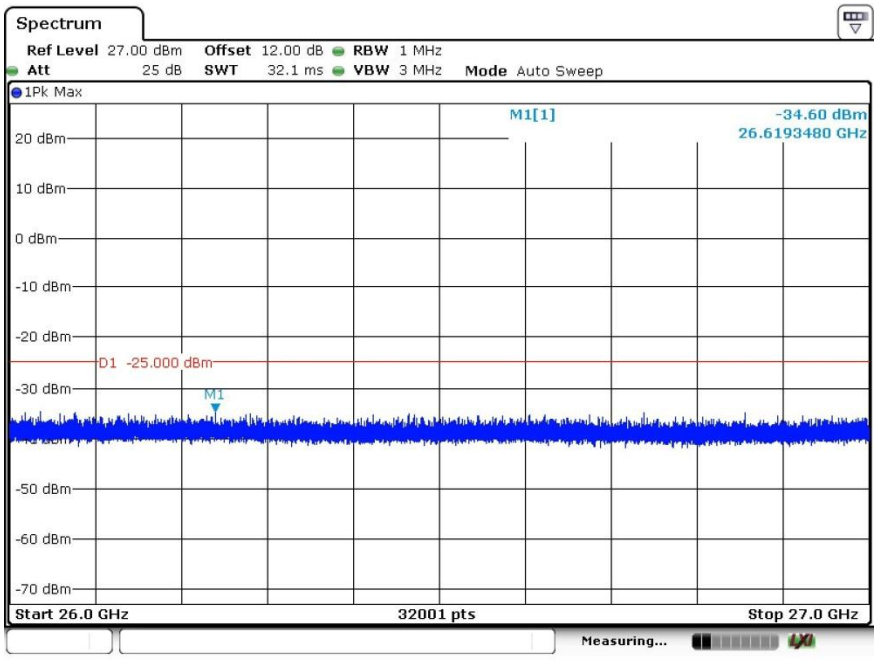
Channel Low





Channel Mid

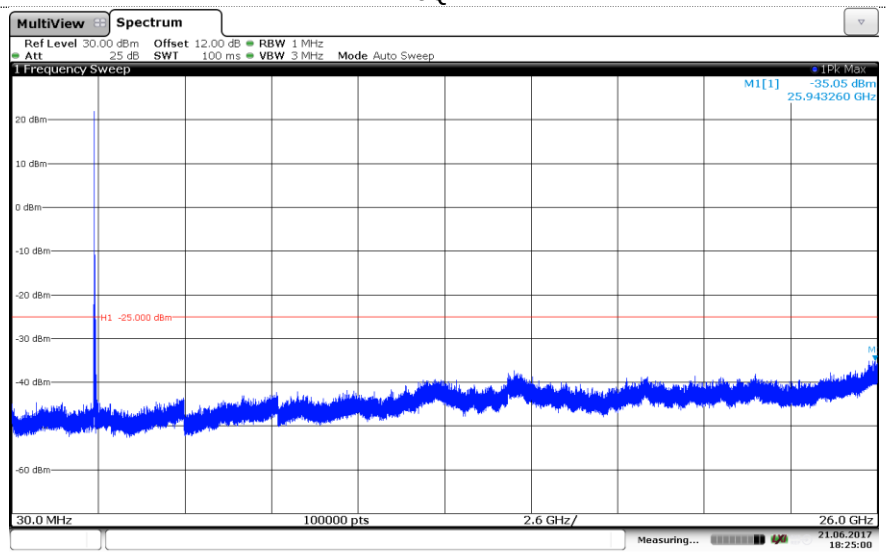


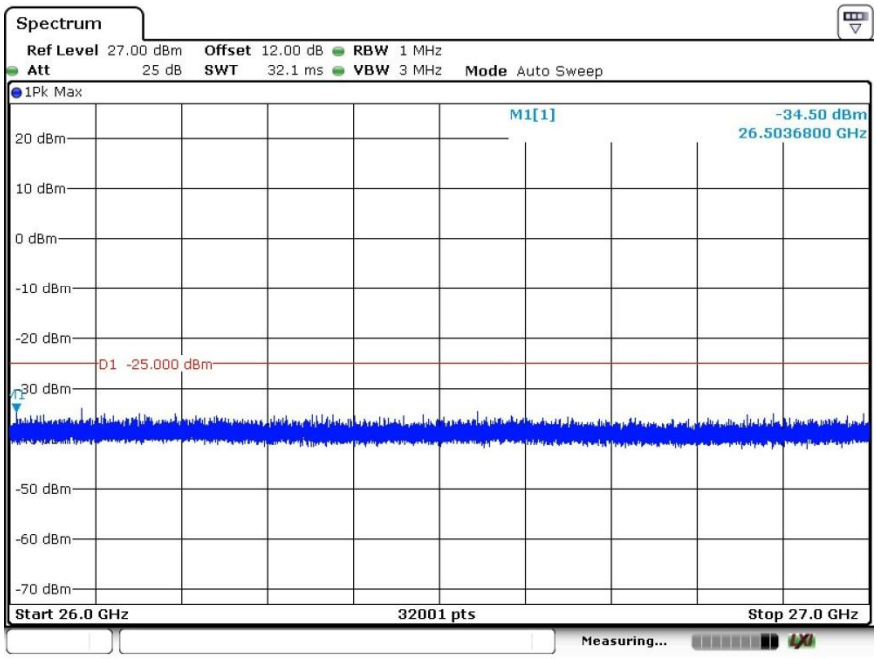


Channel High

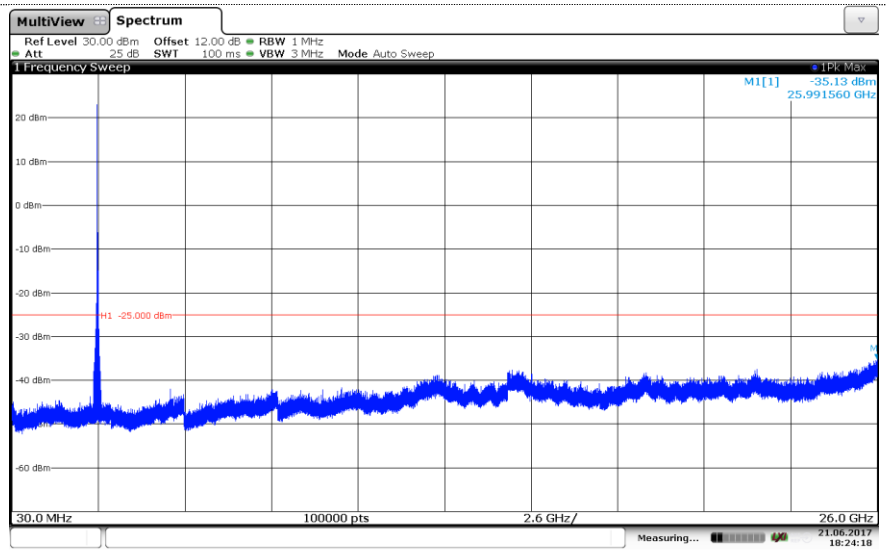
LTE Band 41-15MHz

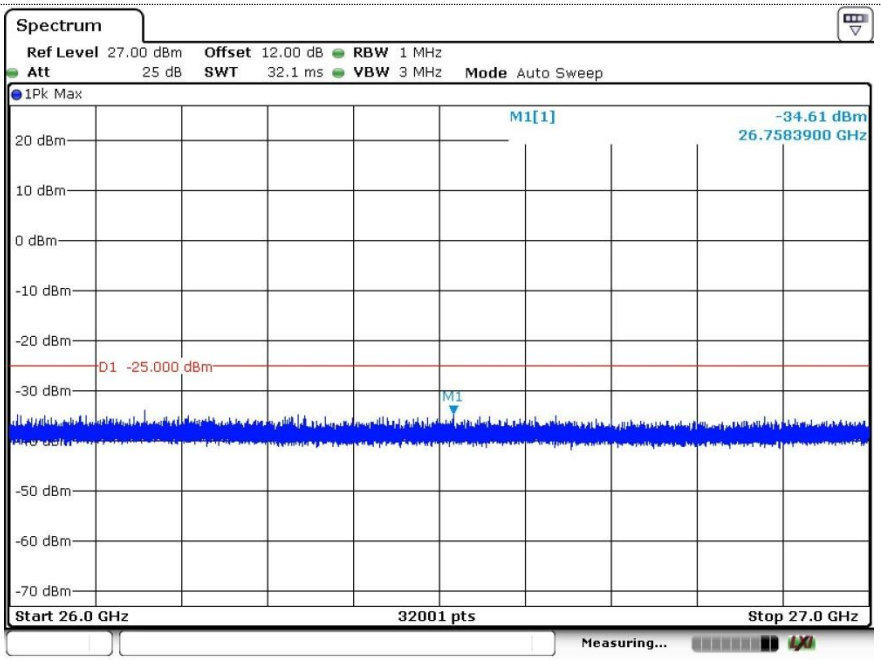
16QAM



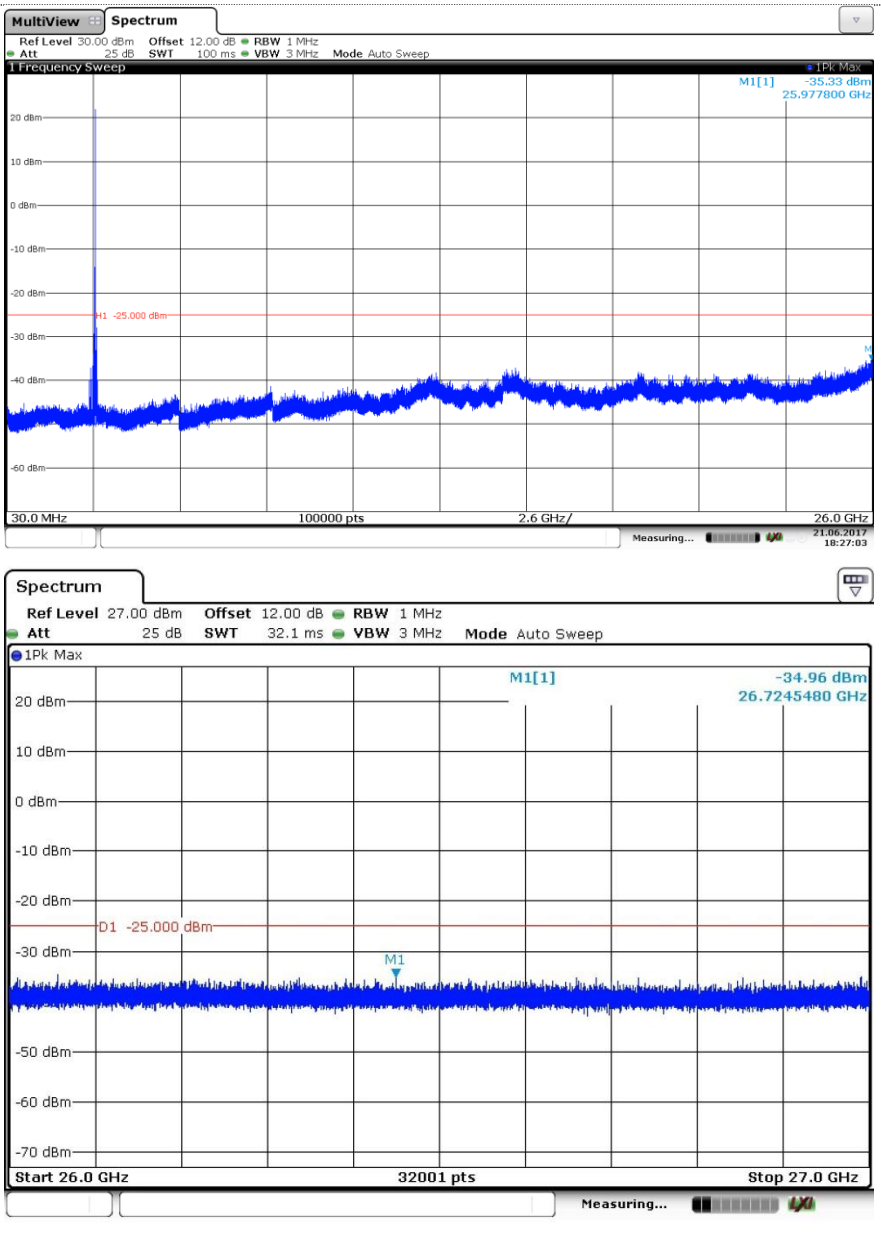


Channel Low





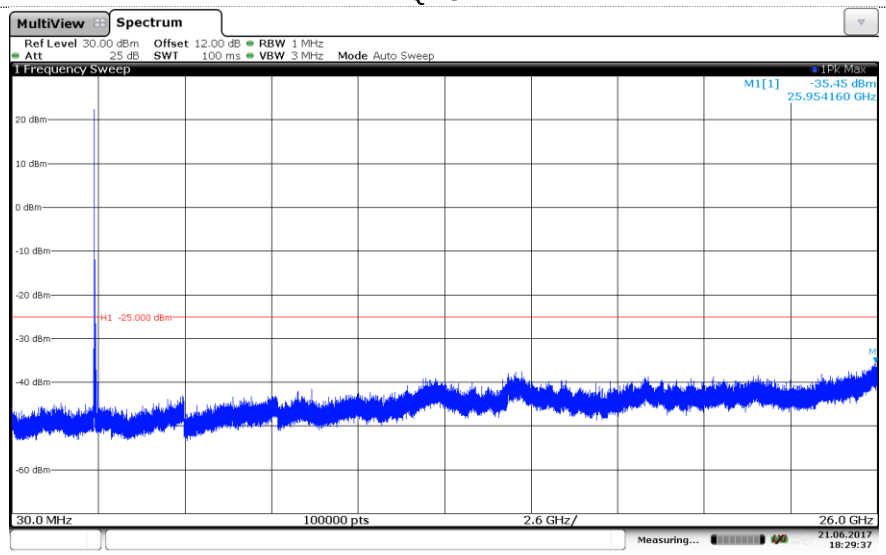
Channel Mid

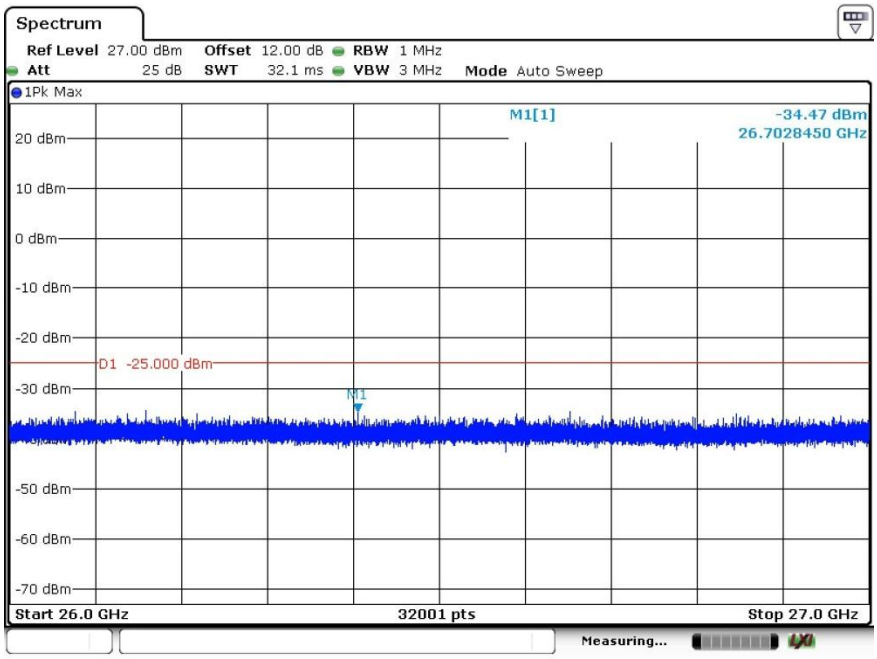


Channel High

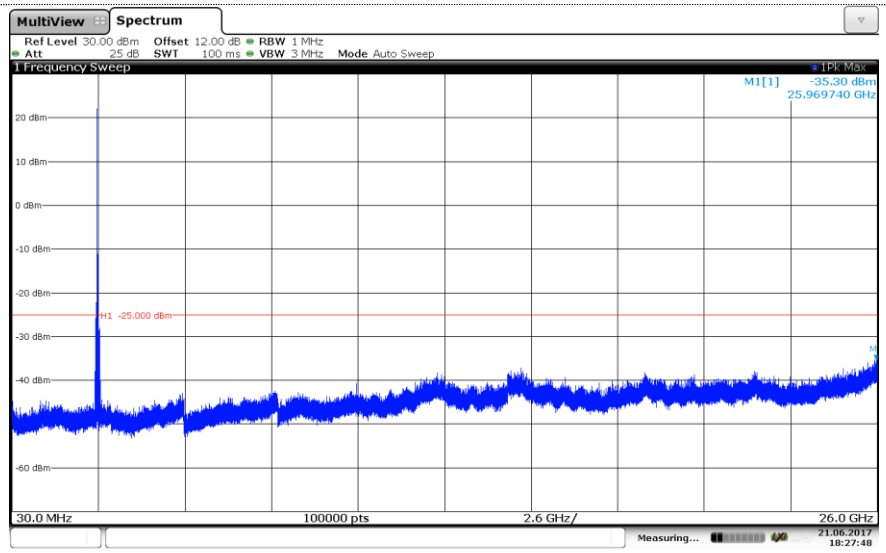
LTE Band 41-20MHz

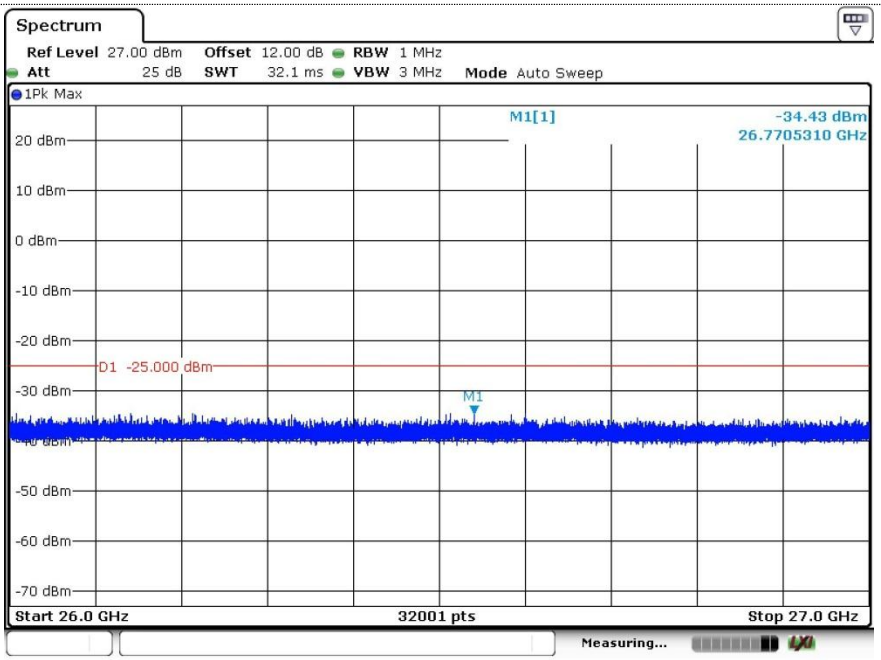
QPSK



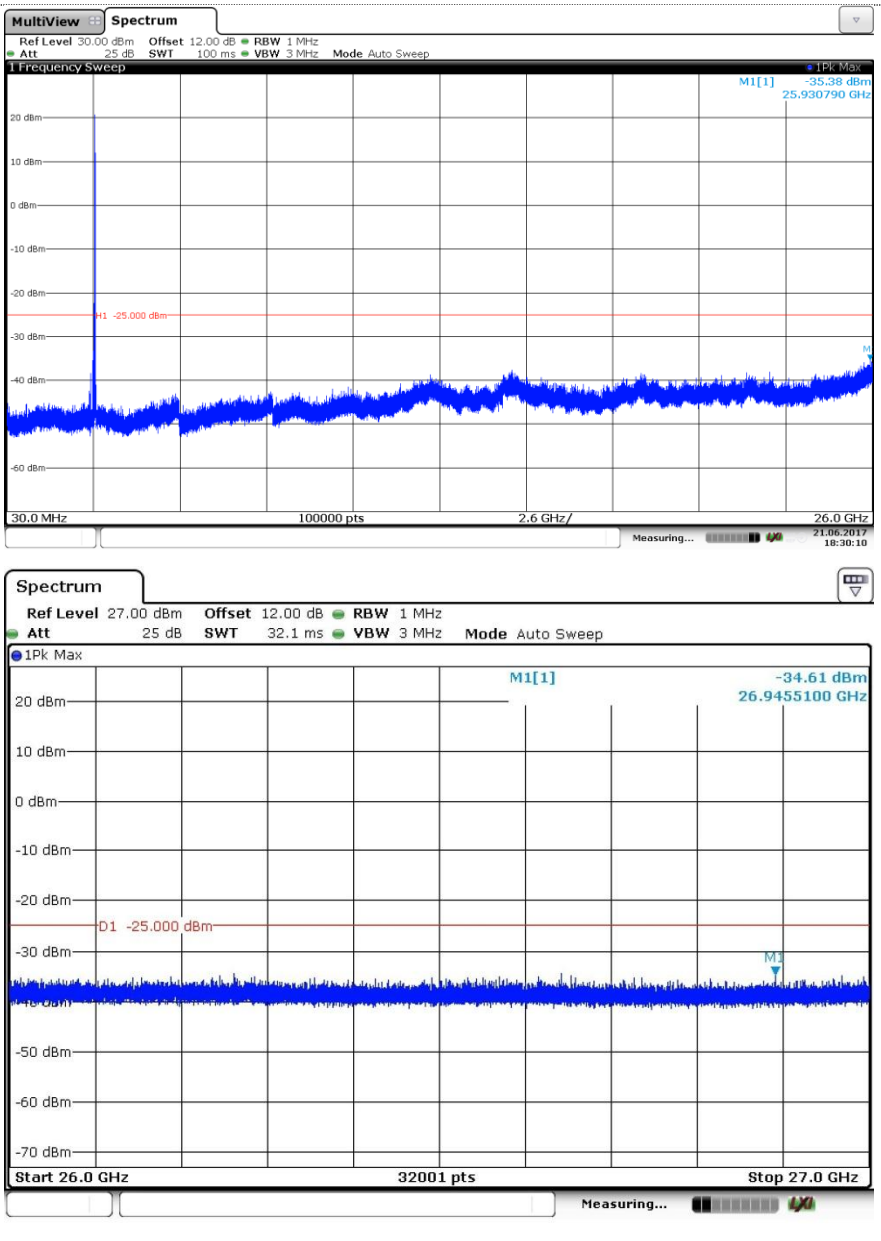


Channel Low



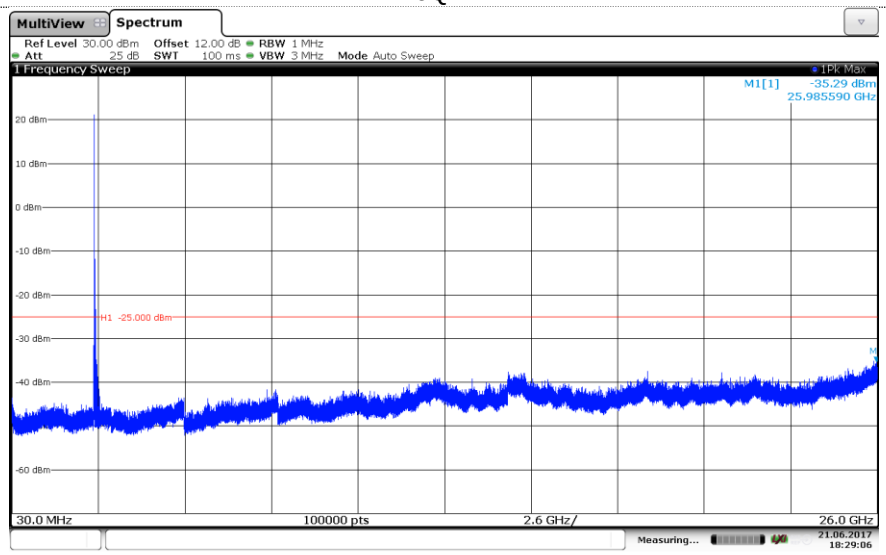


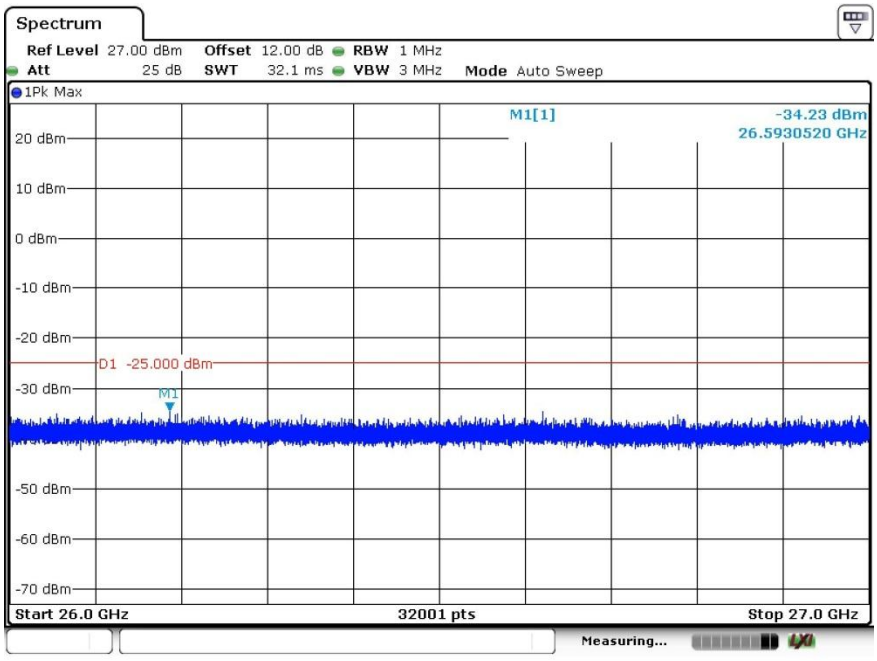
Channel Mid



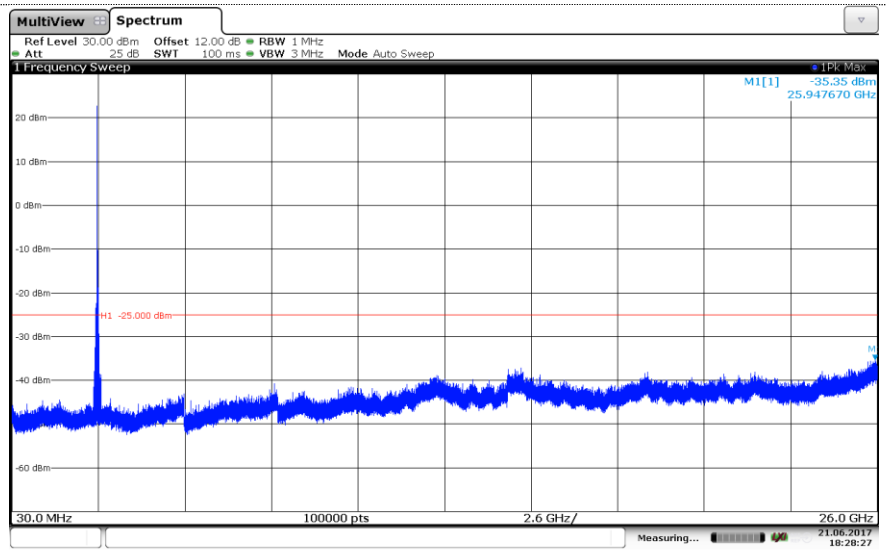
Channel High

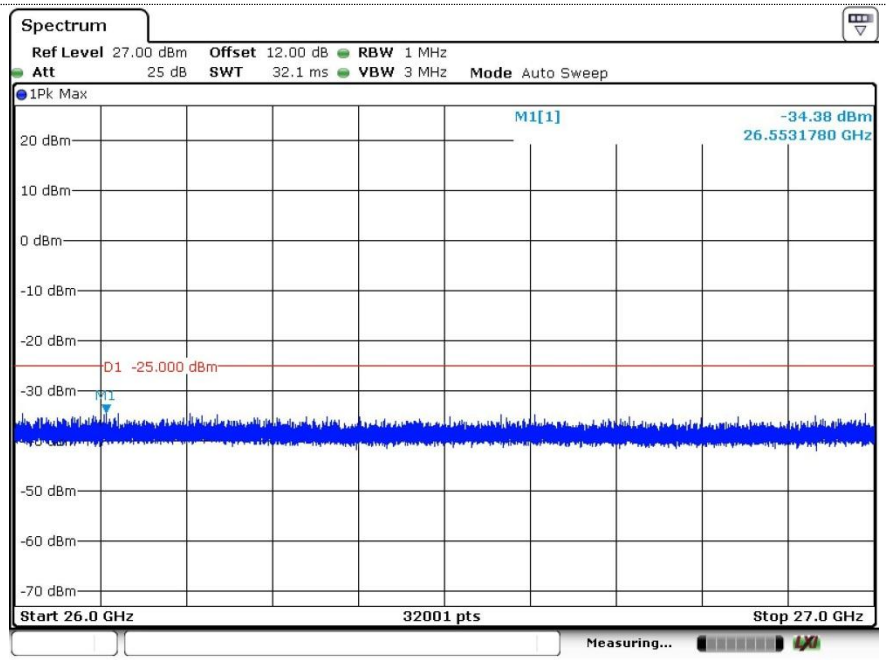
LTE Band 41-20MHz
16QAM



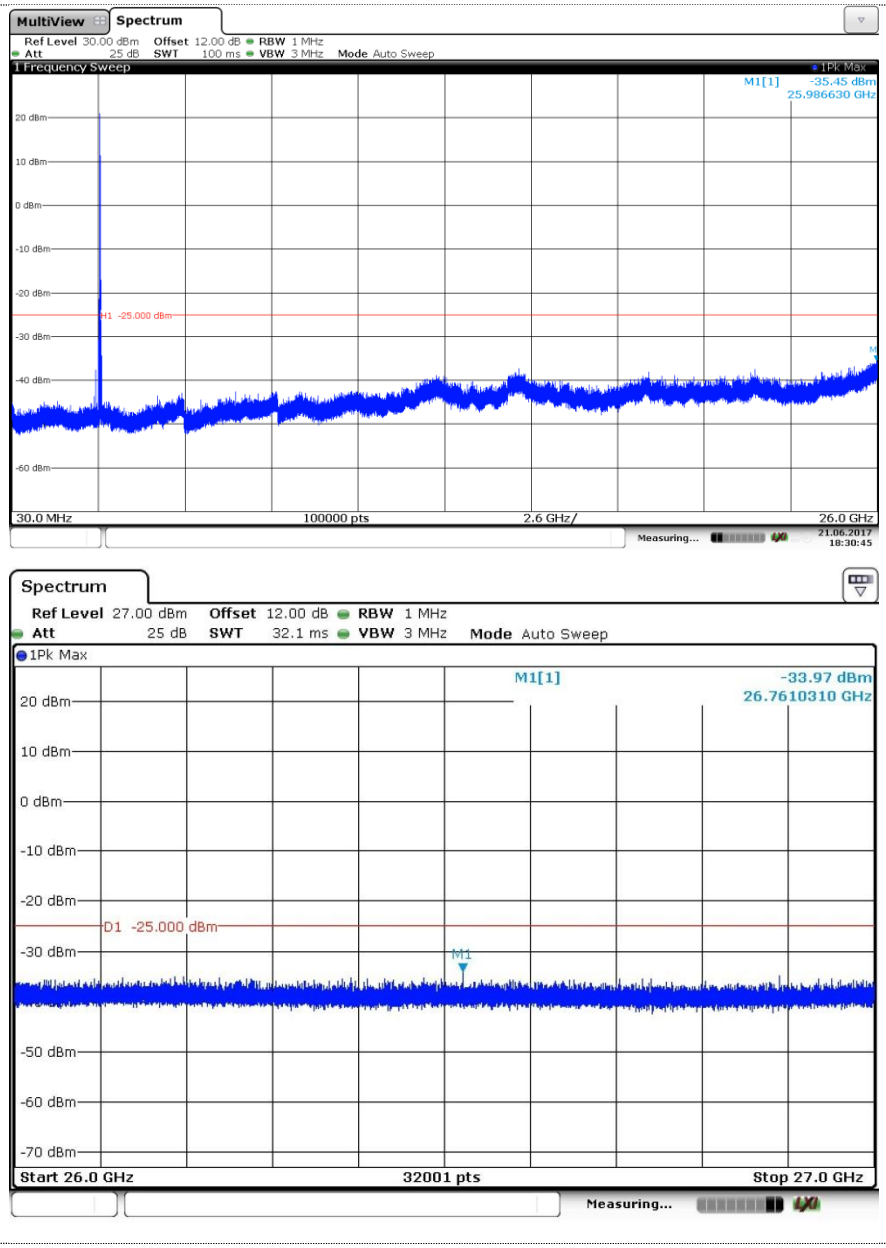


Channel Low





Channel Mid



Channel High

5.4. Band Edge

LIMIT

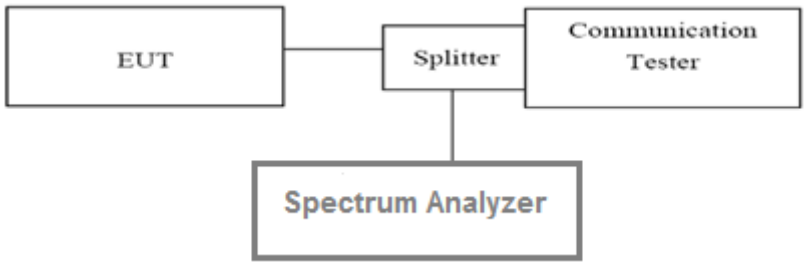
Part 24.238 and Part 22.917 and Part 27.53h(1) specify that the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.

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 appropriateattenuation.
2. The band edges of low and high channels for the highest RF powers were measured. Set RBW>= 1% EBW in the 1MHz band immediately outside and adjacent to the band edge.
3. Set spectrum analyzer with RMS detector.

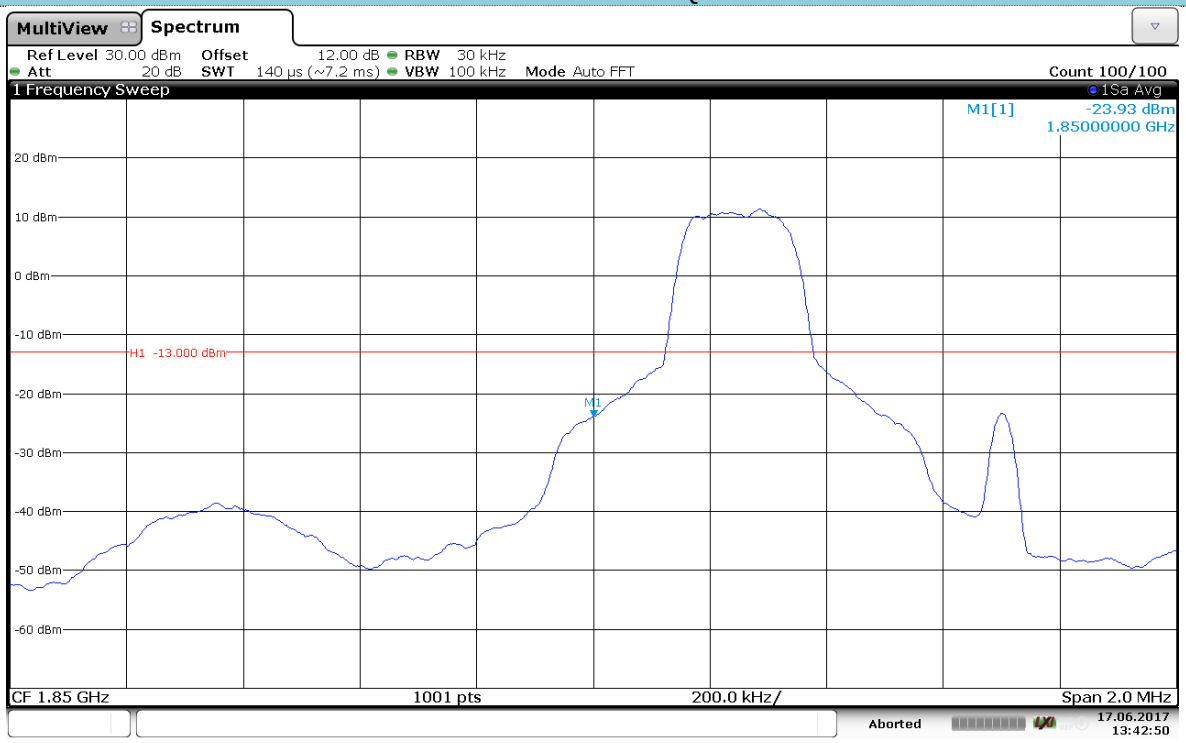
TEST MODE:

Please refer to the clause 3.3

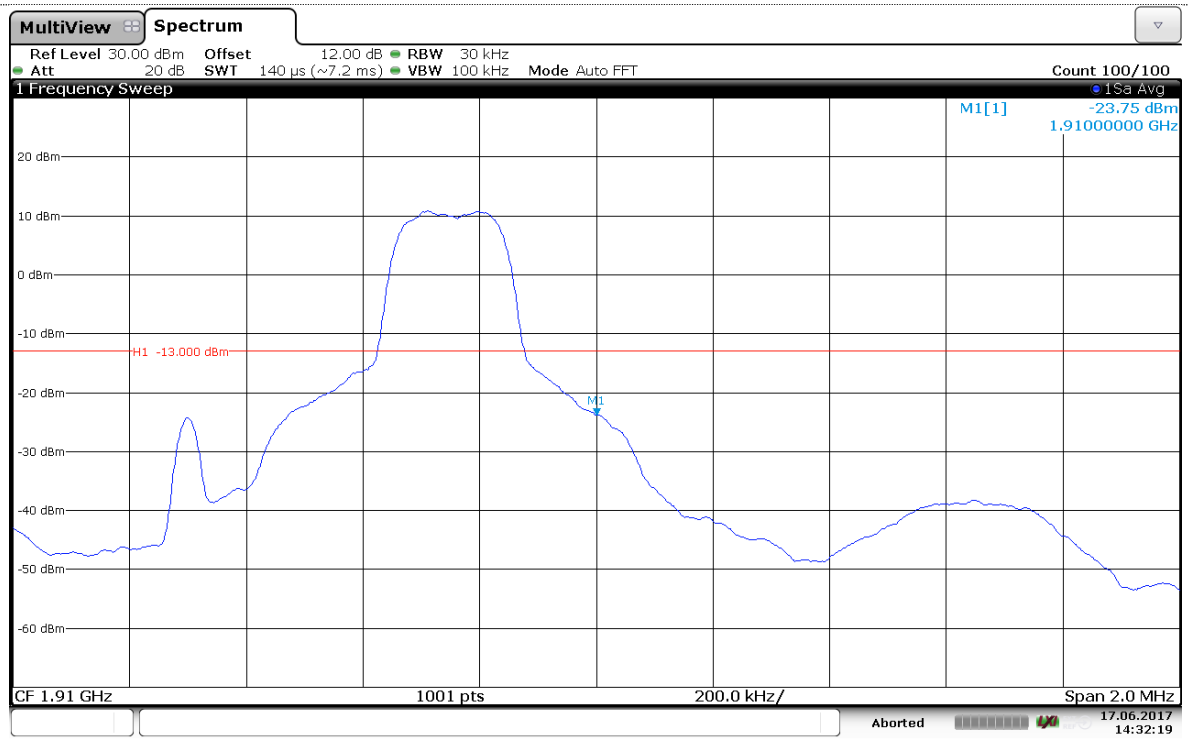
TEST RESULTS

☒ **Passed** ☐ **Not Applicable**

LTE Band 2-1.4MHz-QPSK

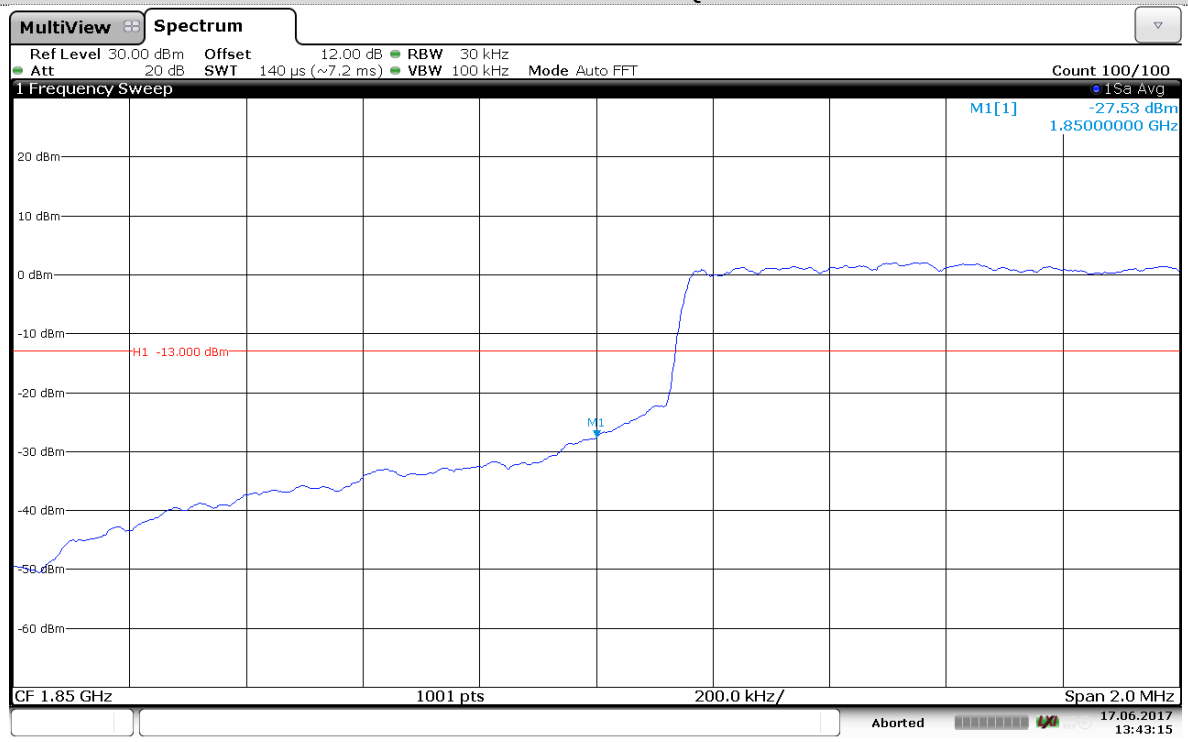


Channel Low-1RB#

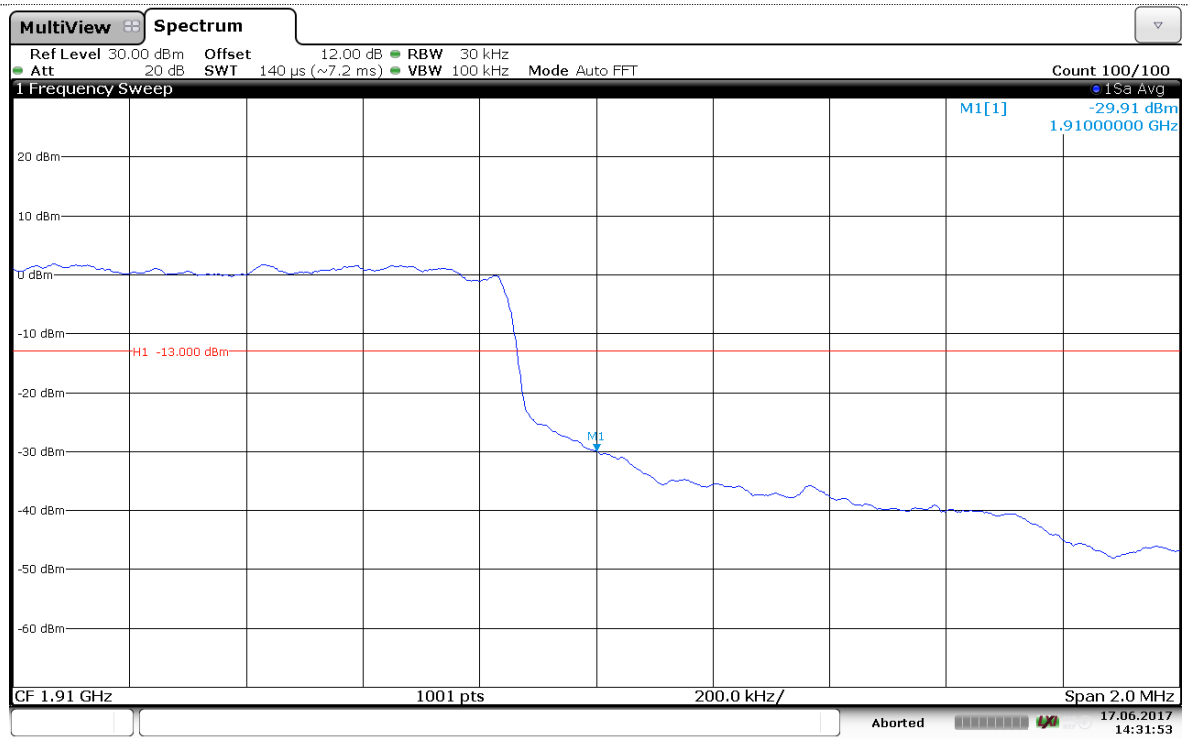


Channel High-1RB#

LTE Band 2-1.4MHz-QPSK

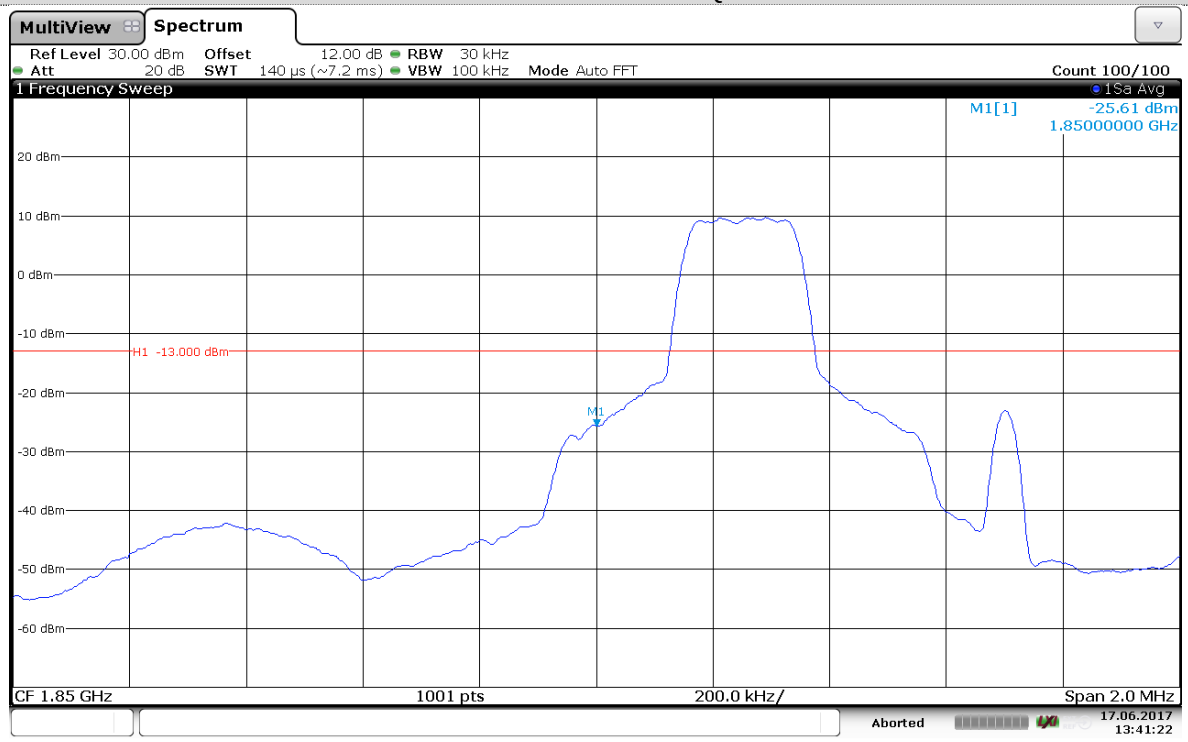


Channel Low-Full RB#

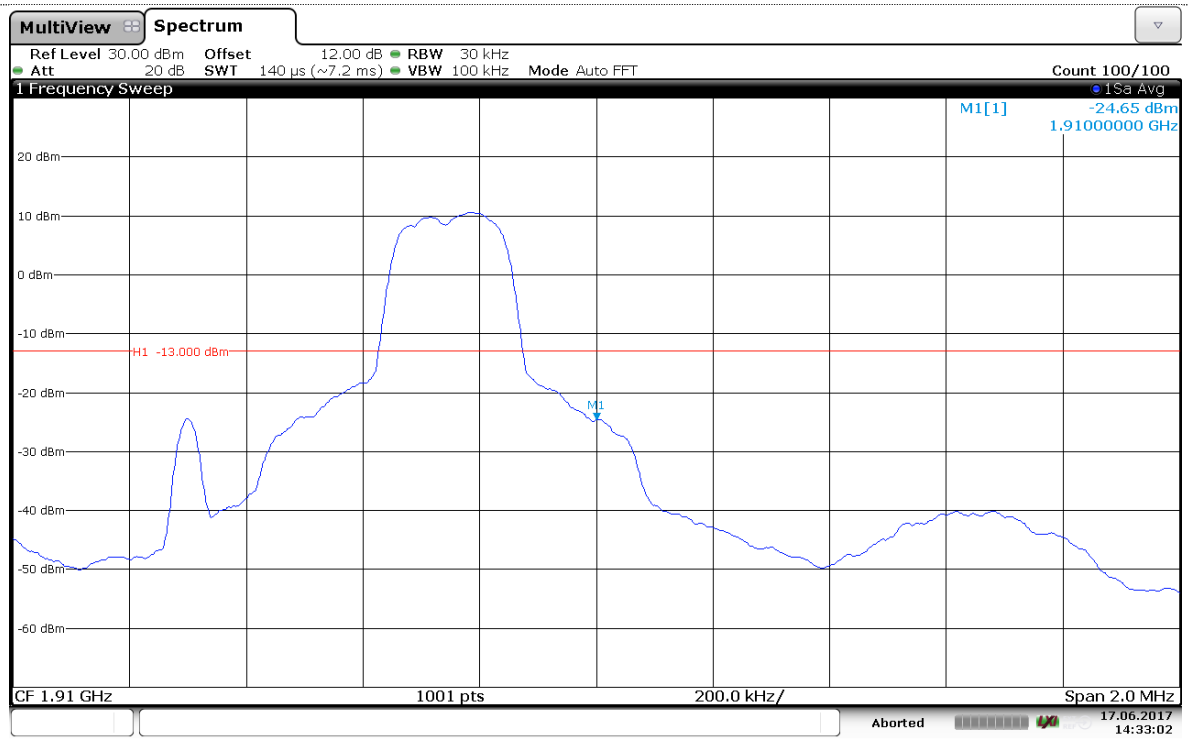


Channel High-Full RB#

LTE Band 2-1.4MHz-16QAM

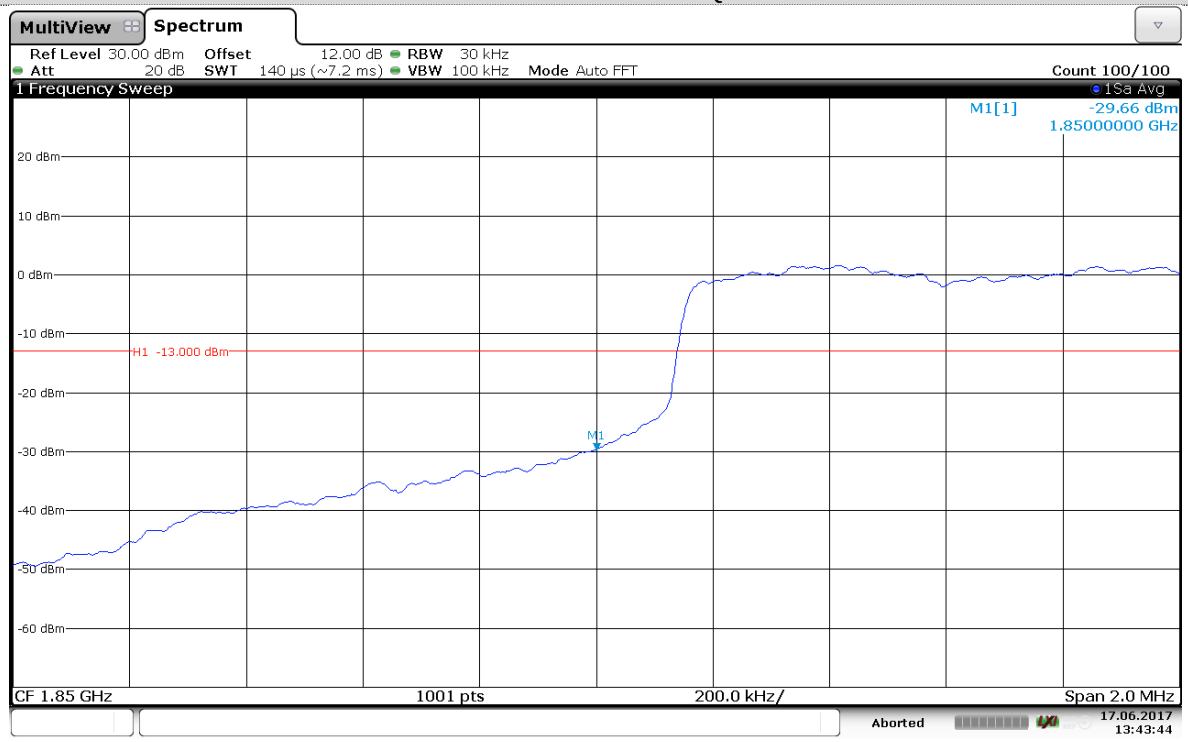


Channel Low-1RB#

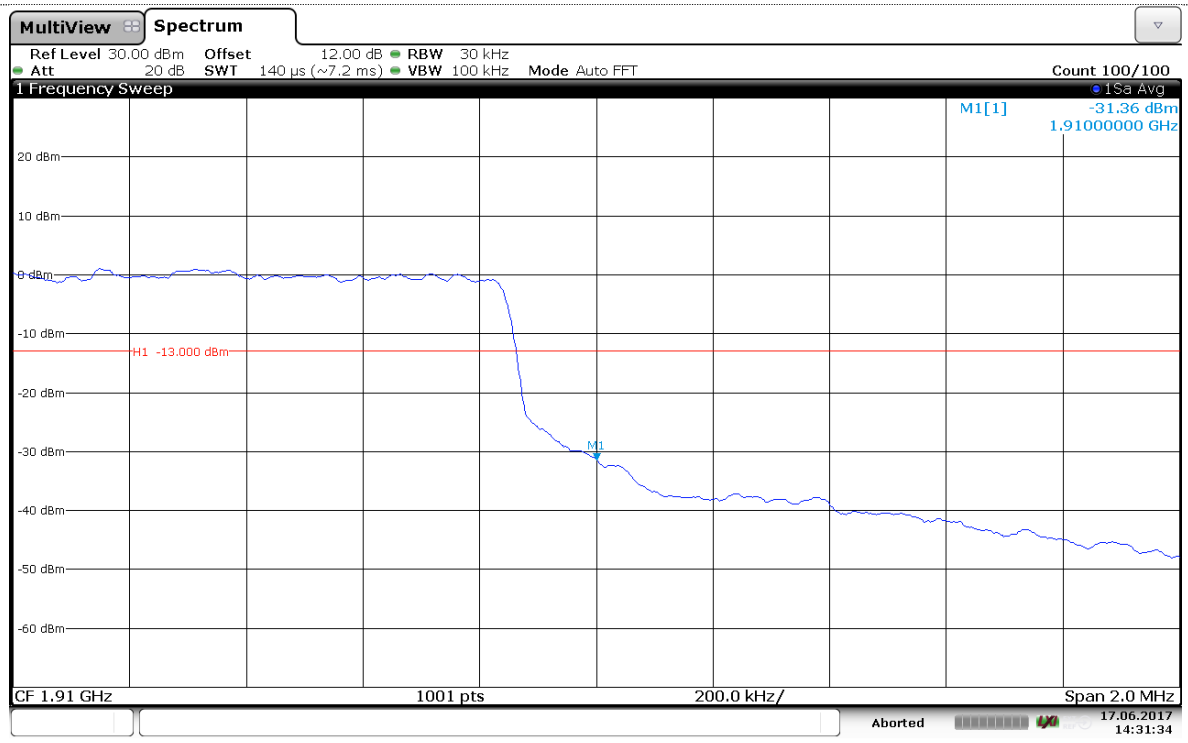


Channel High-1RB#

LTE Band 2-1.4MHz-16QAM

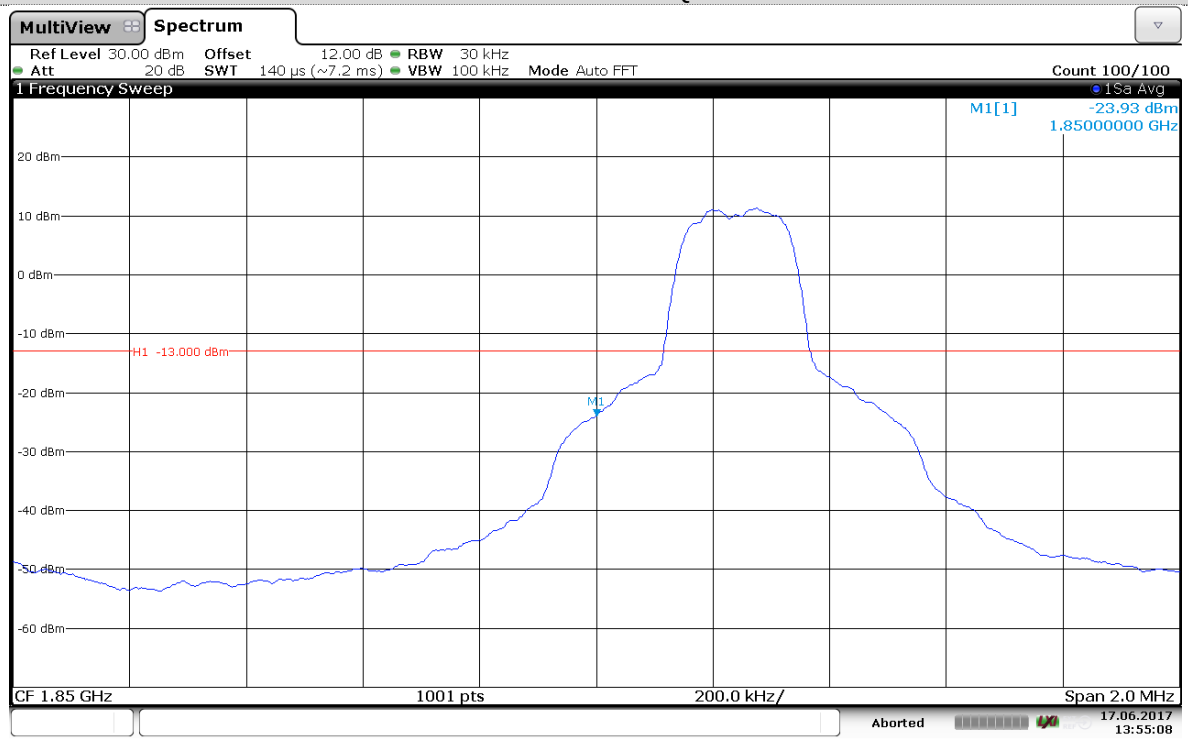


Channel Low-Full RB#

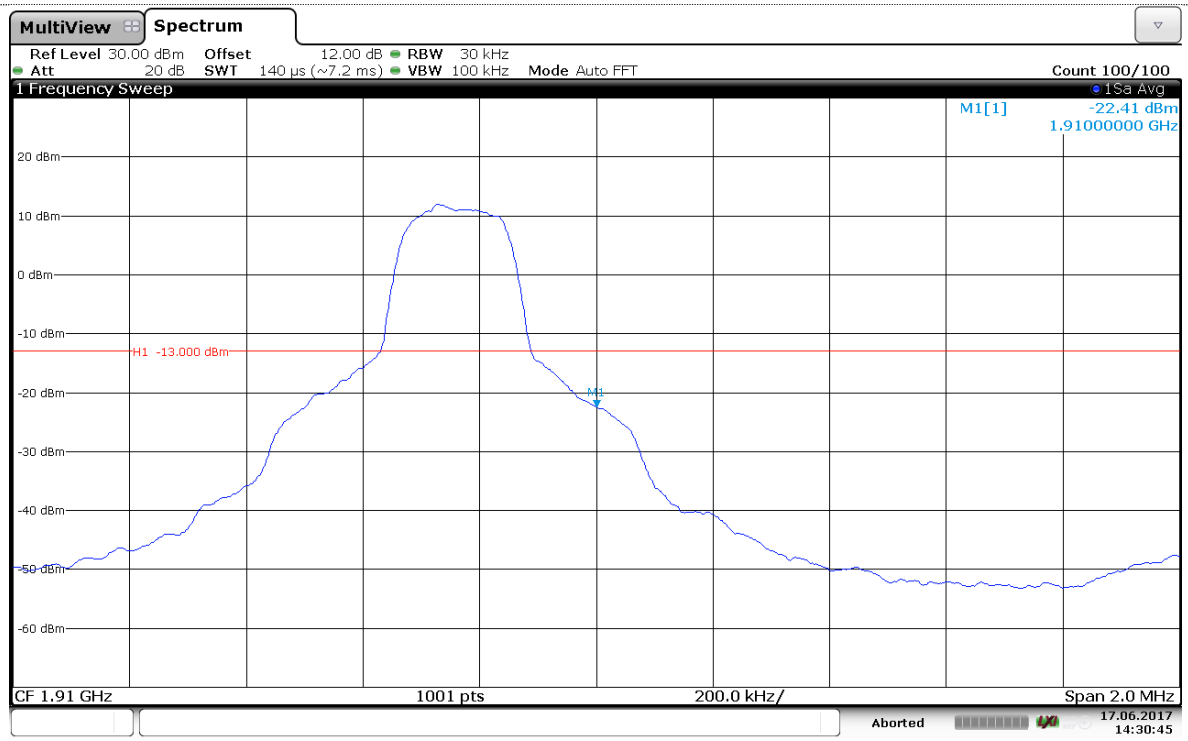


Channel High-Full RB#

LTE Band 2-3MHz-QPSK

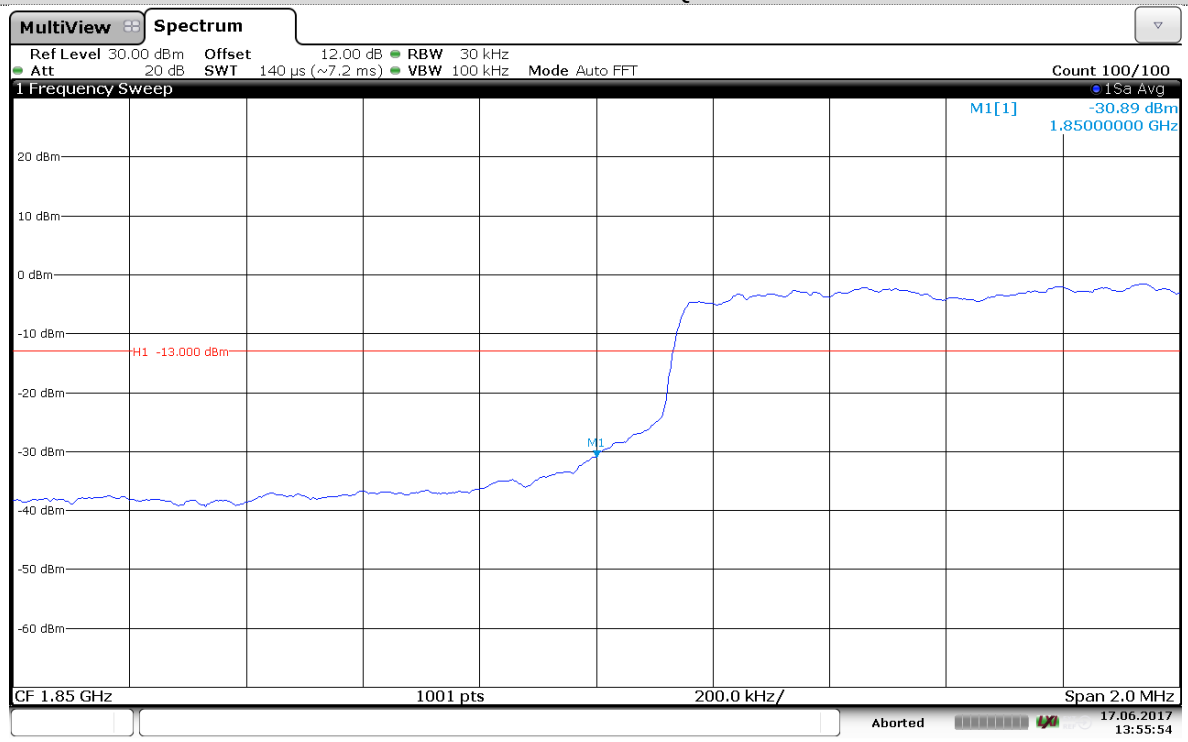


Channel Low-1RB#

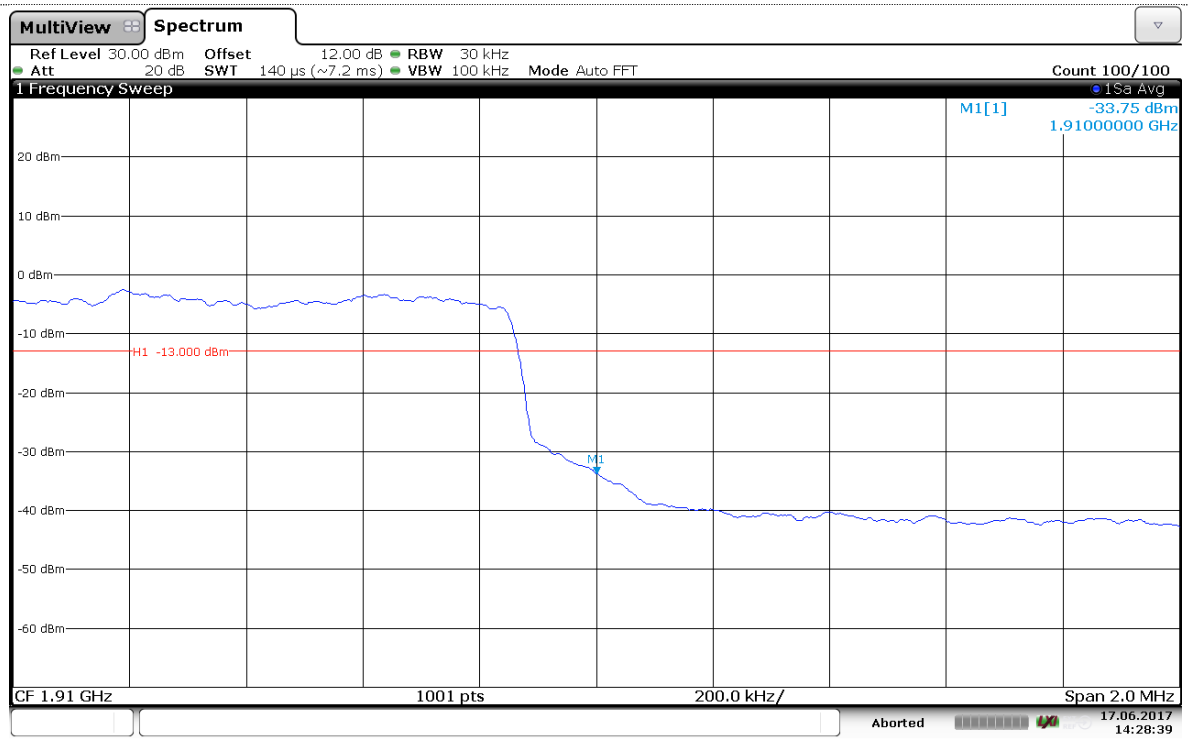


Channel High-1RB#

LTE Band 2-3MHz-QPSK

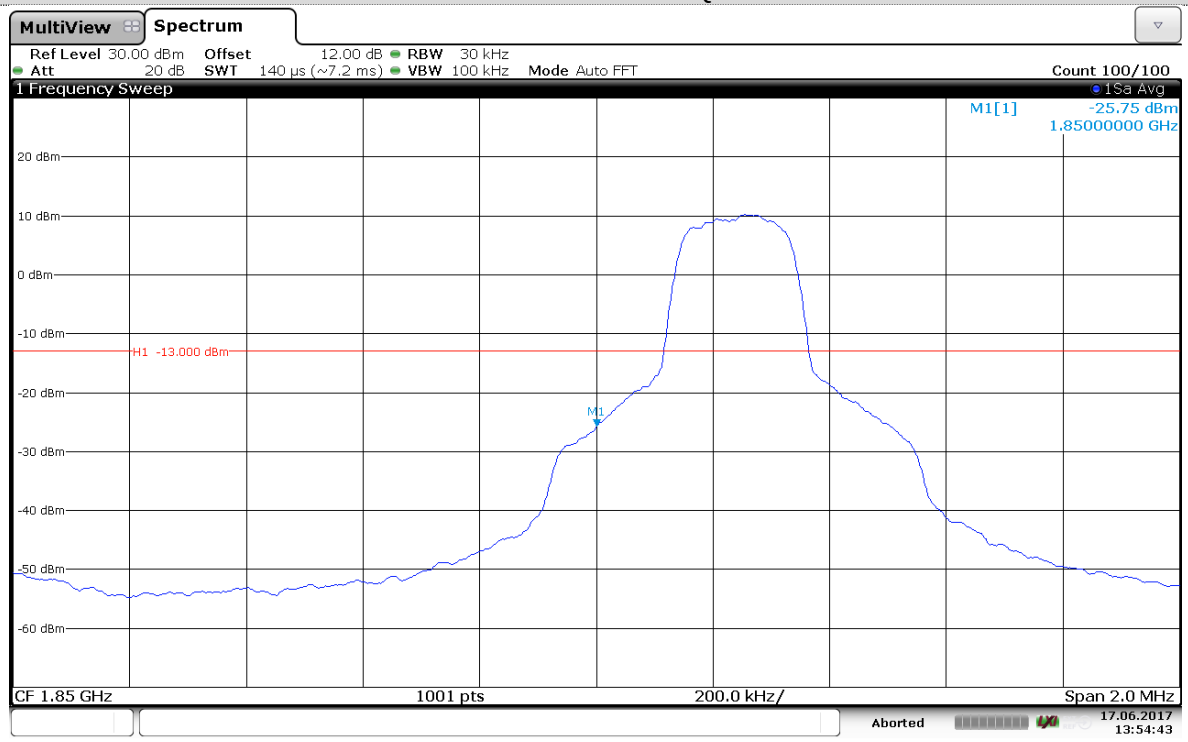


Channel Low-Full RB#

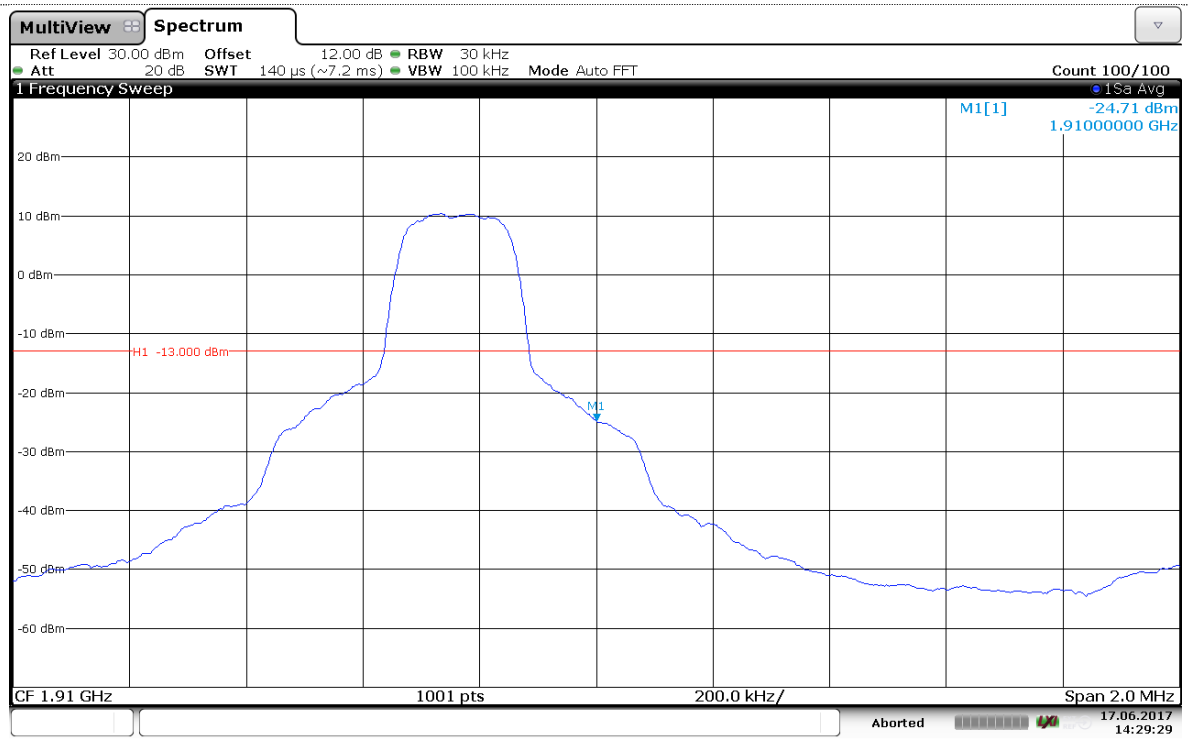


Channel High-Full RB#

LTE Band 2-3MHz-16QAM

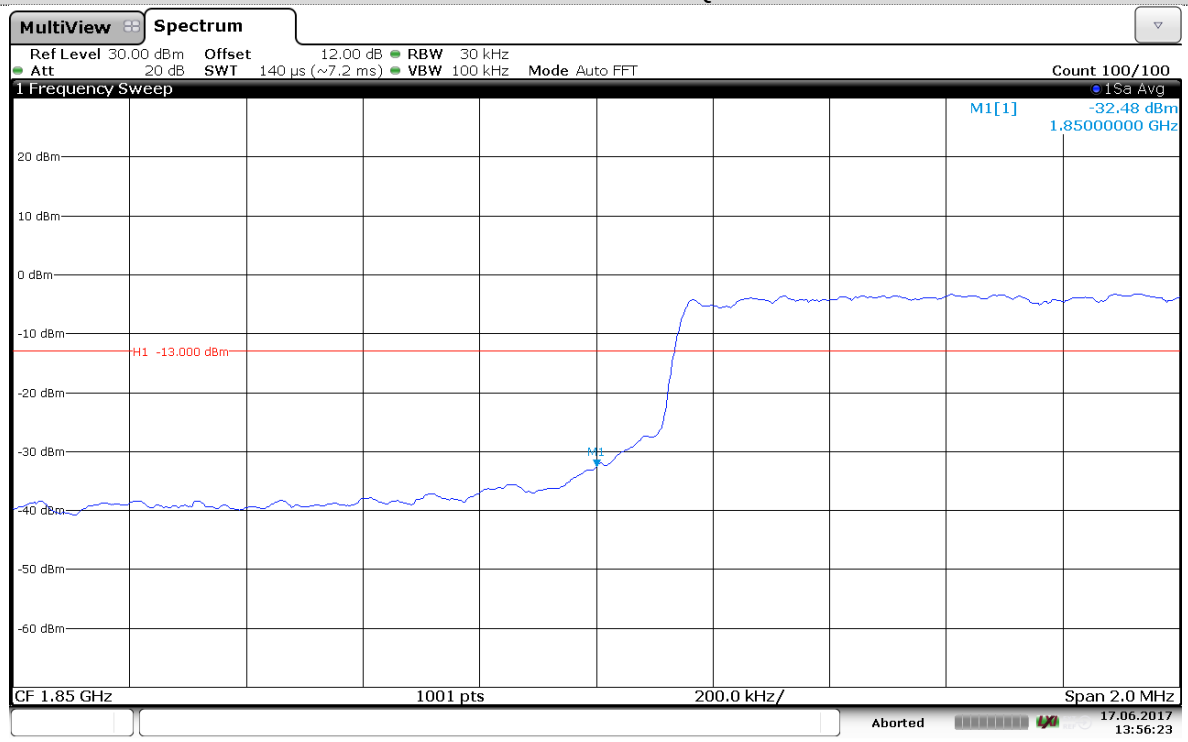


Channel Low-1RB#

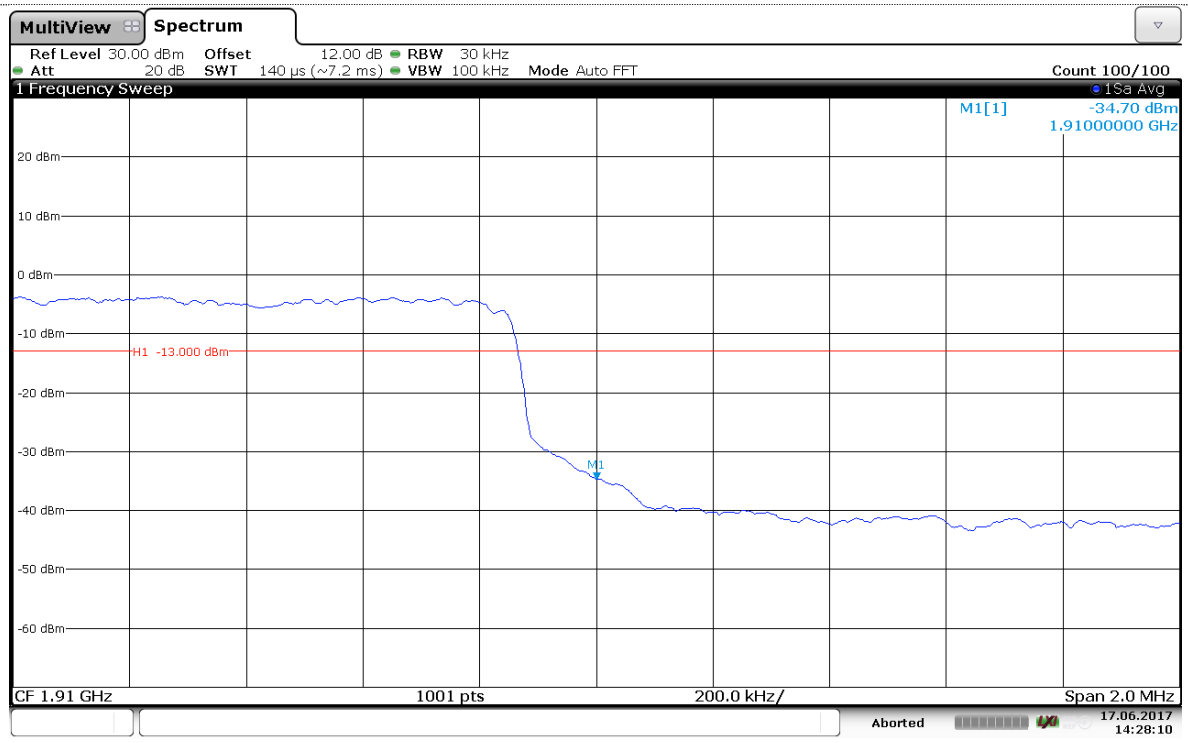


Channel High-1RB#

LTE Band 2-3MHz-16QAM

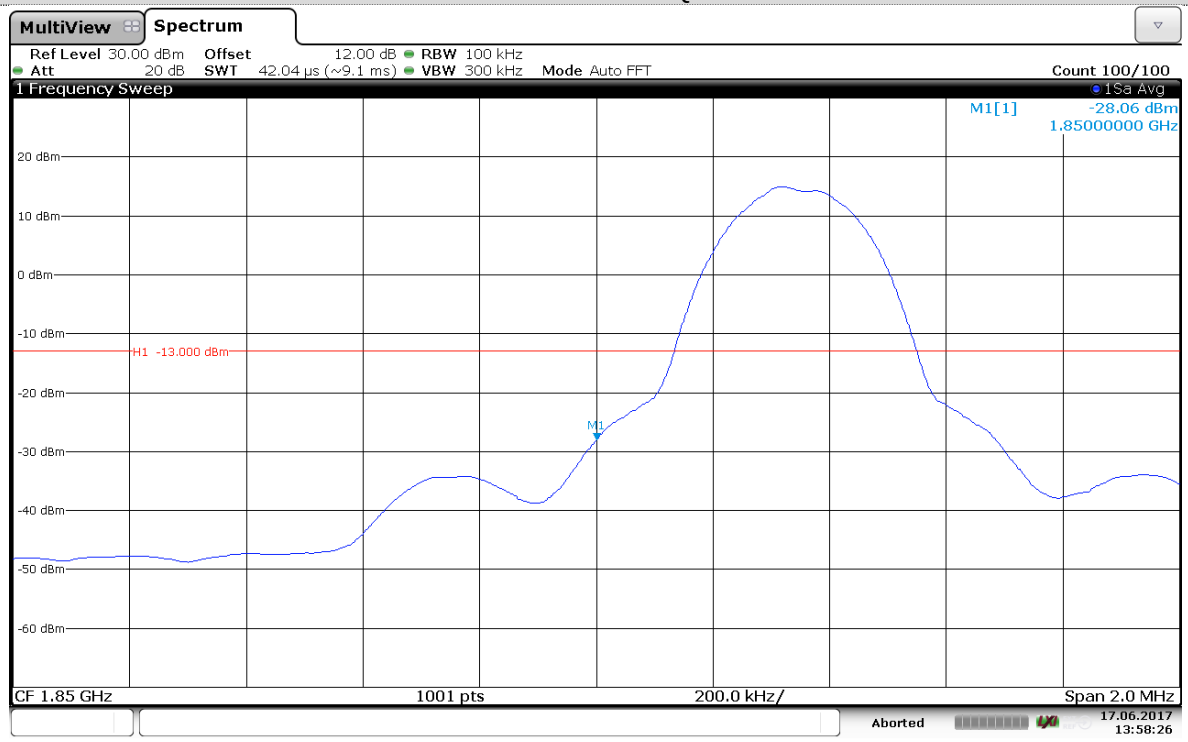


Channel Low-Full RB#

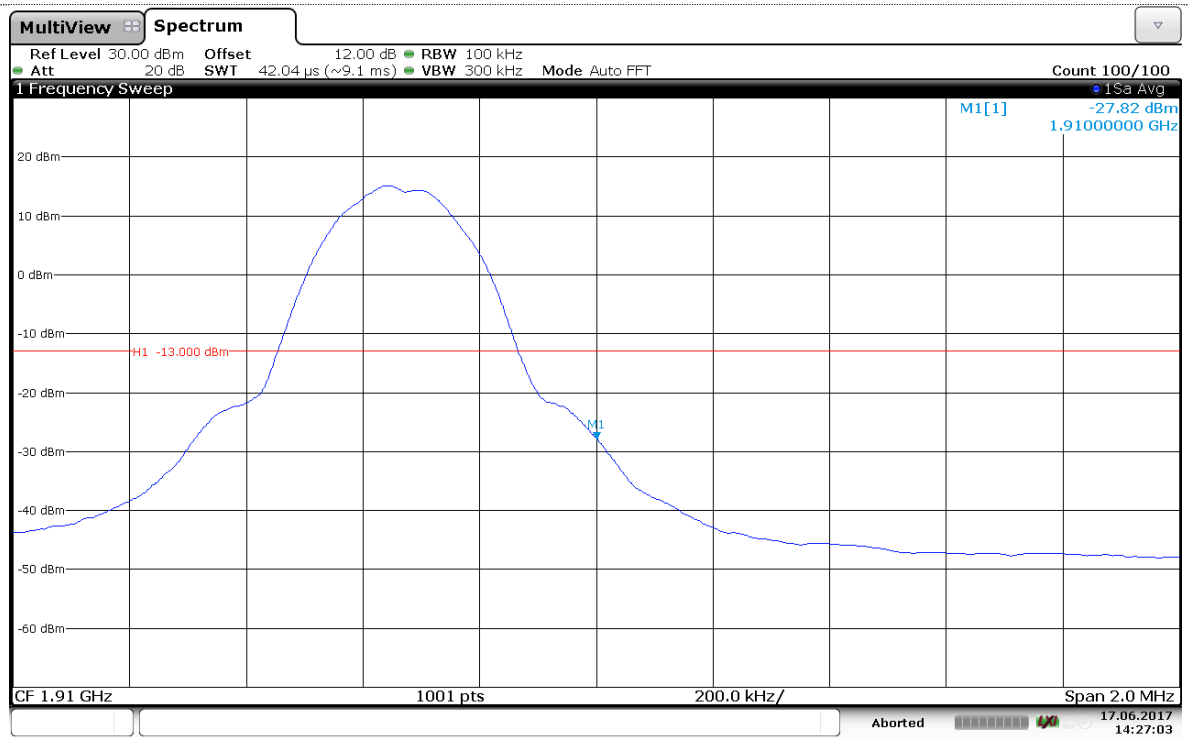


Channel High-Full RB#

LTE Band 2-5MHz-QPSK

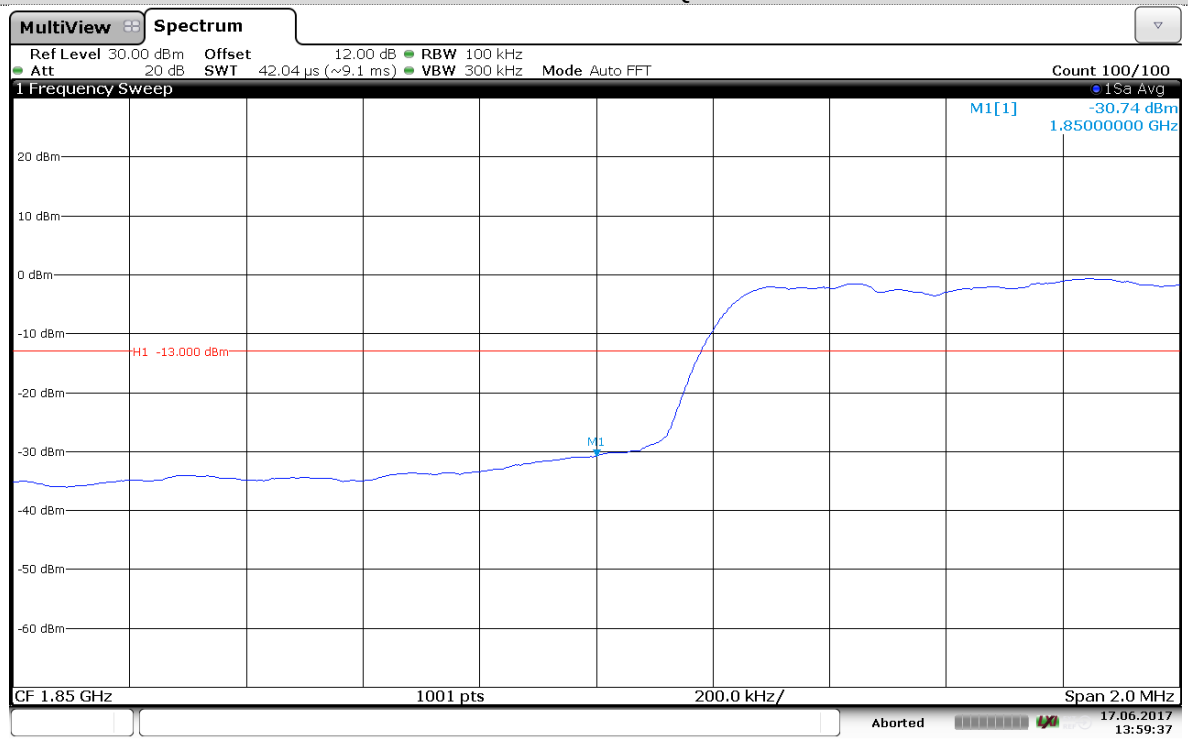


Channel Low-1RB#

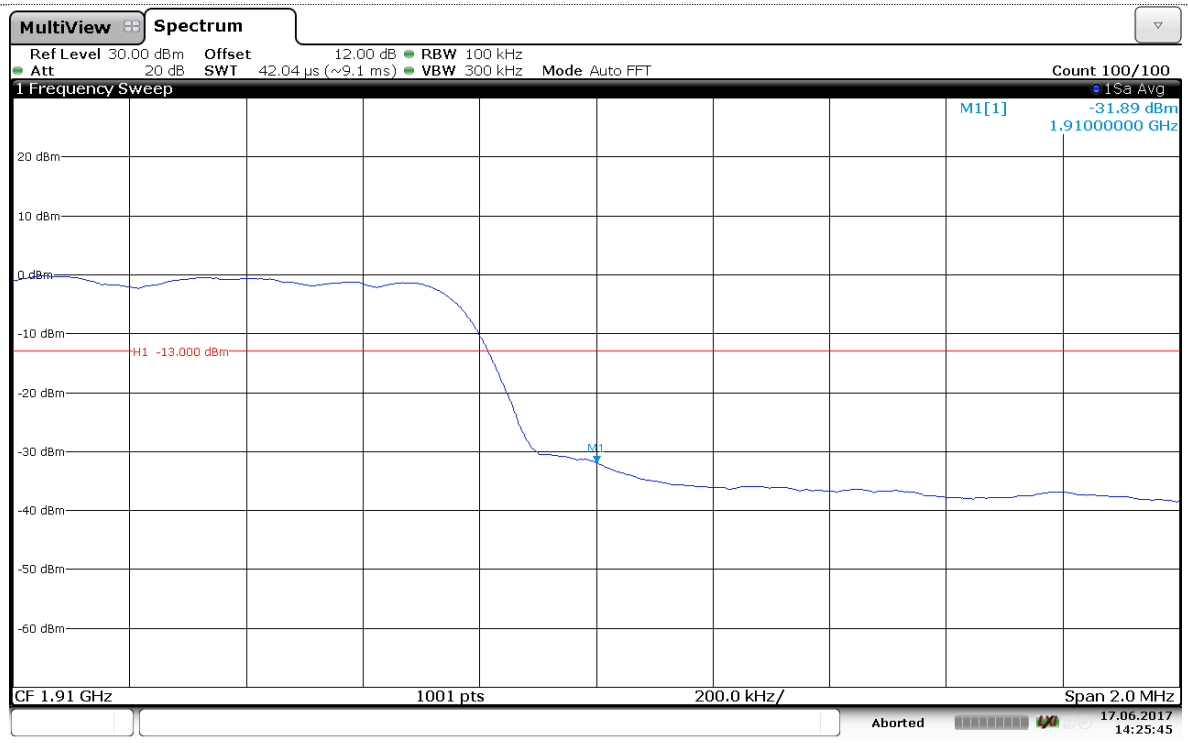


Channel High-1RB#

LTE Band 2-5MHz-QPSK

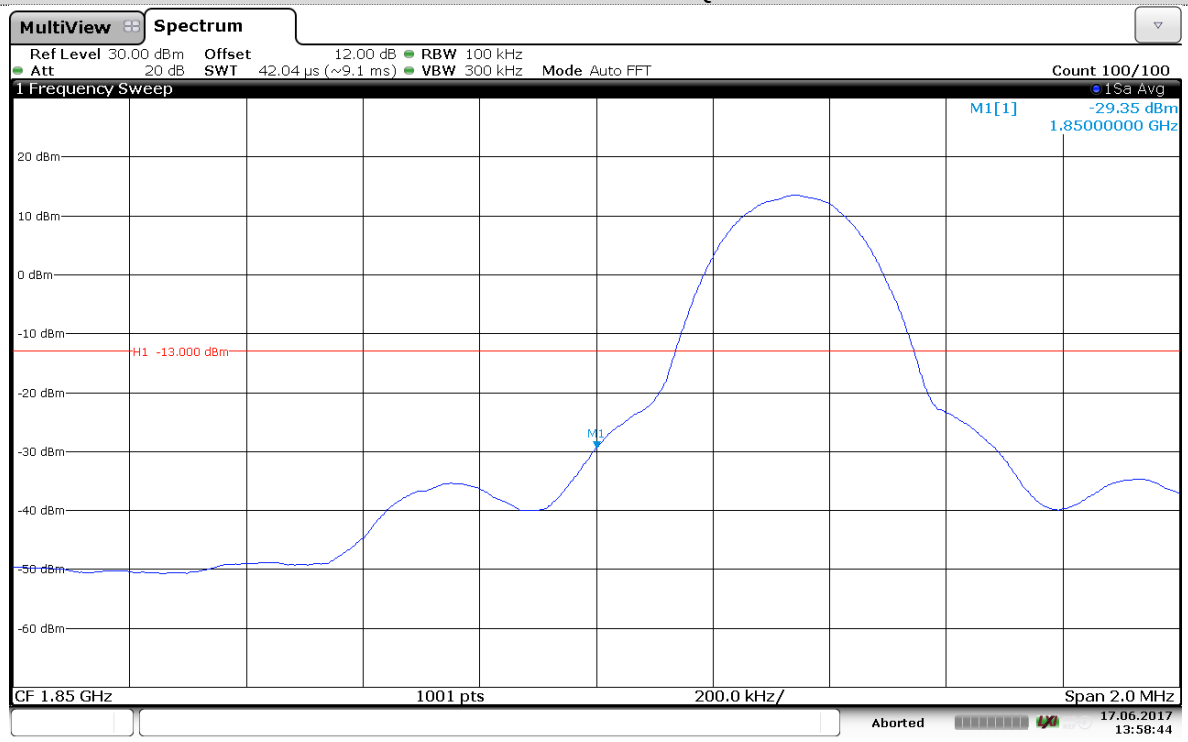


Channel Low-Full RB#

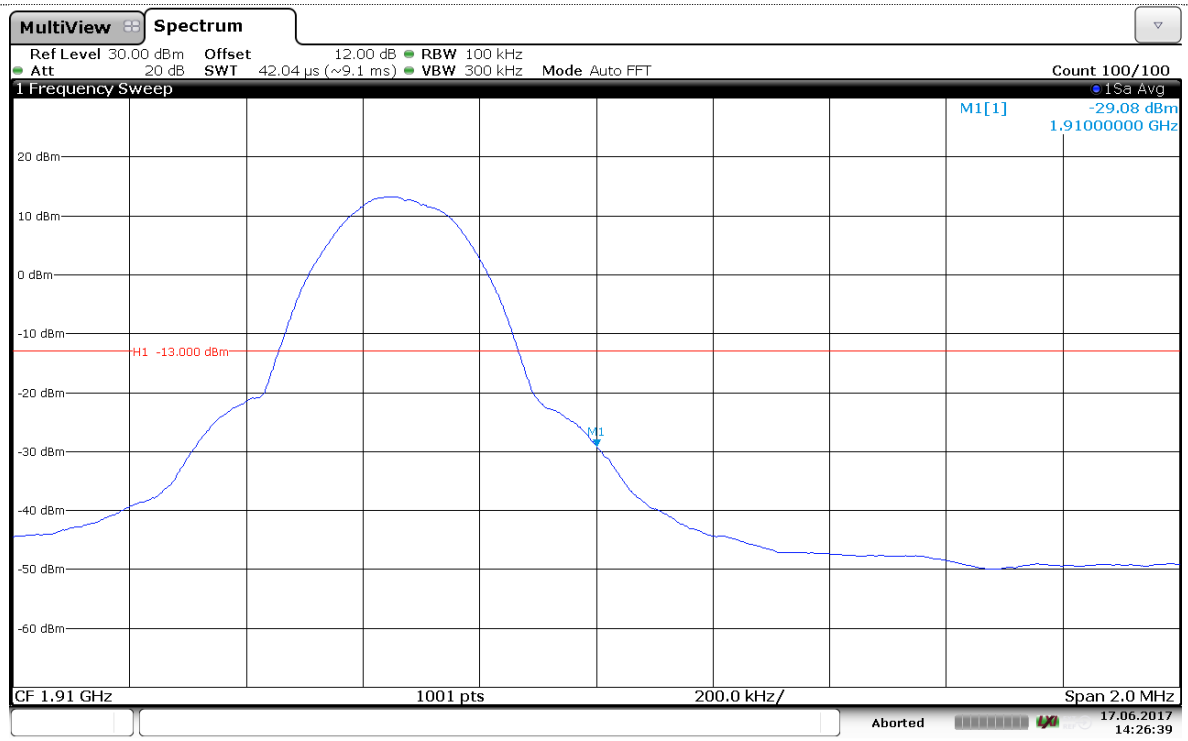


Channel High-Full RB#

LTE Band 2-5MHz-16QAM

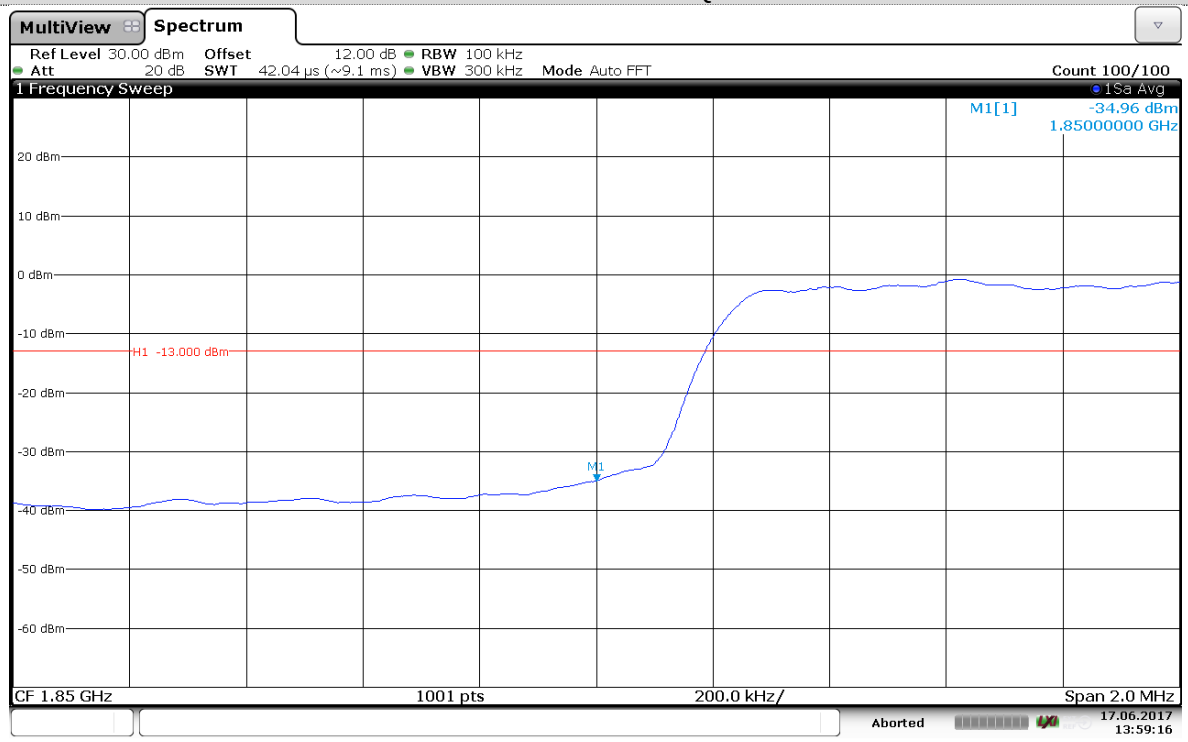


Channel Low-1RB#

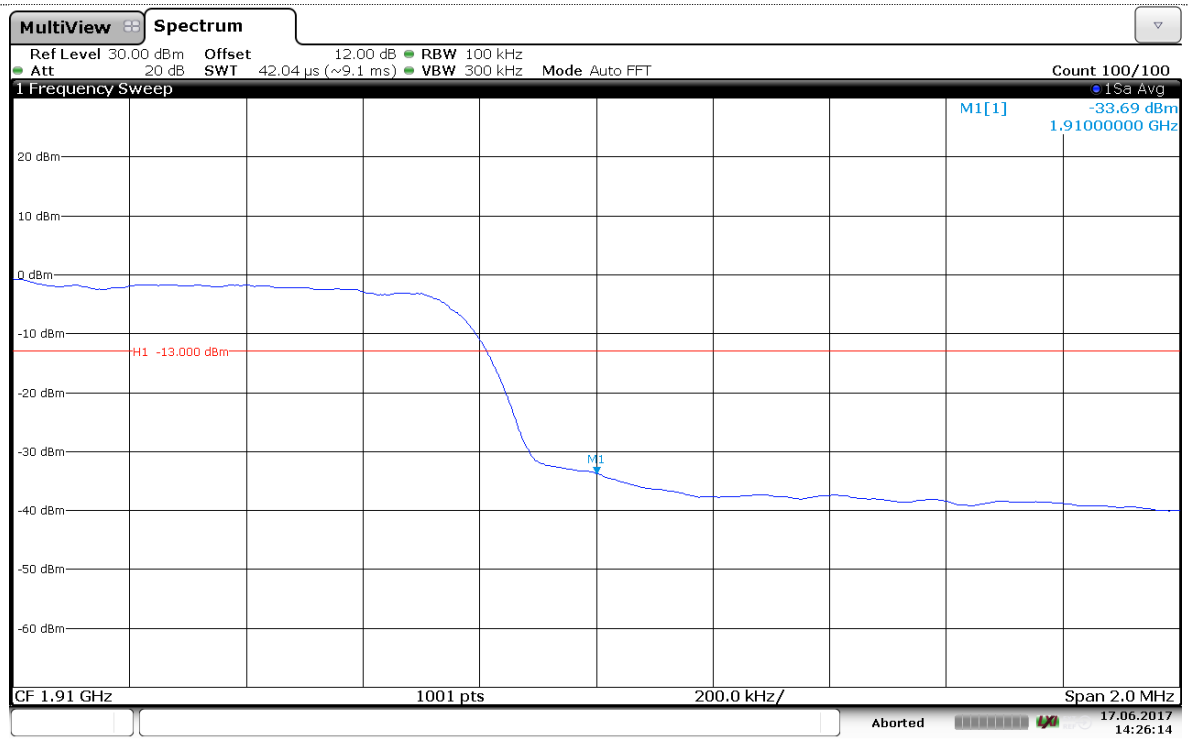


Channel High-1RB#

LTE Band 2-5MHz-16QAM

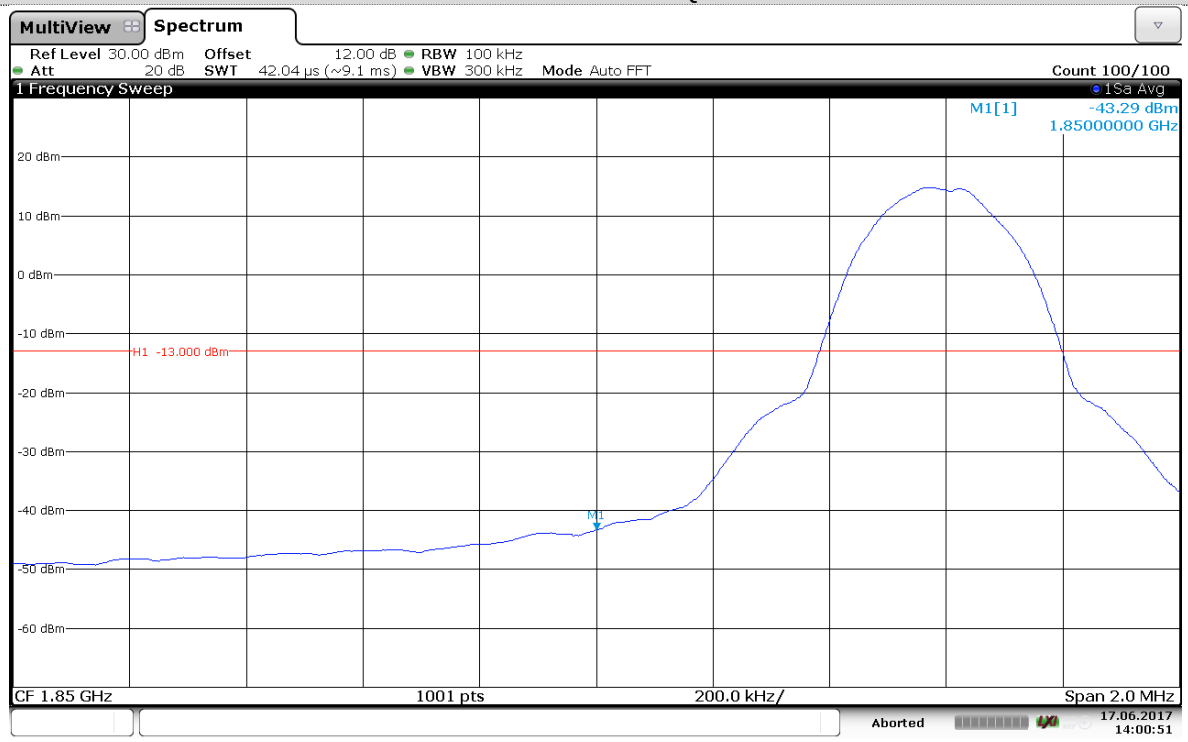


Channel Low-Full RB#

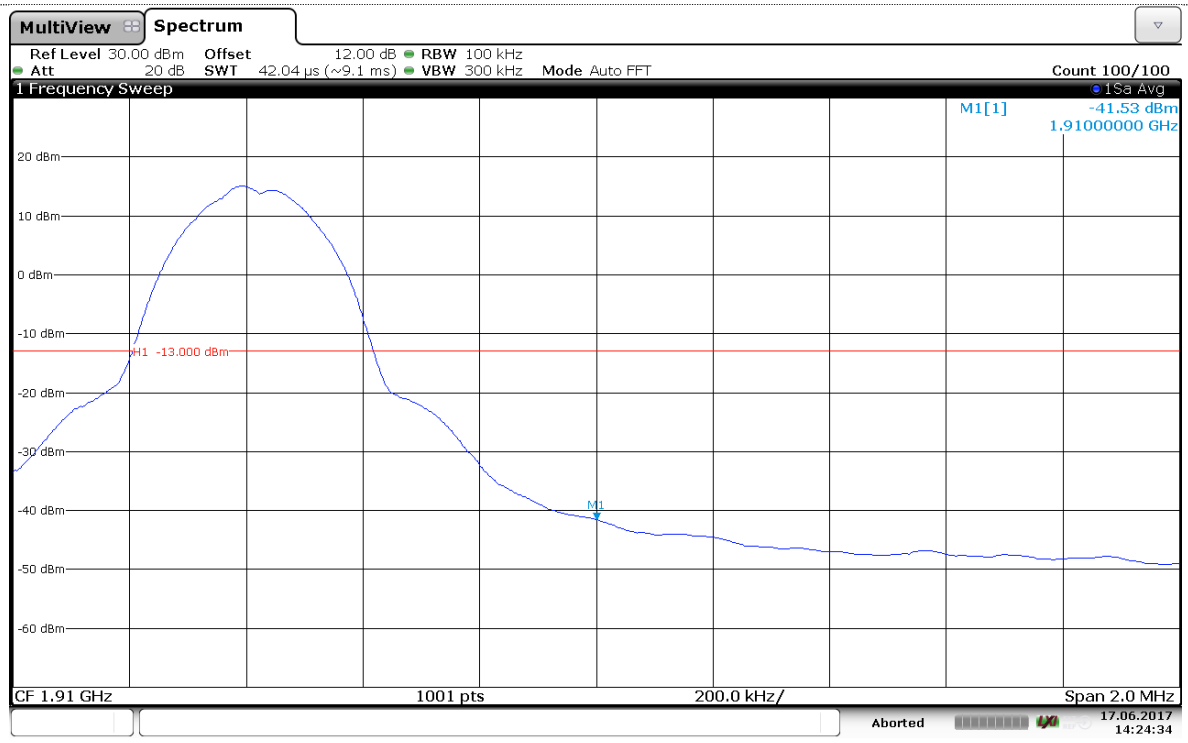


Channel High-Full RB#

LTE Band 2-10MHz-QPSK

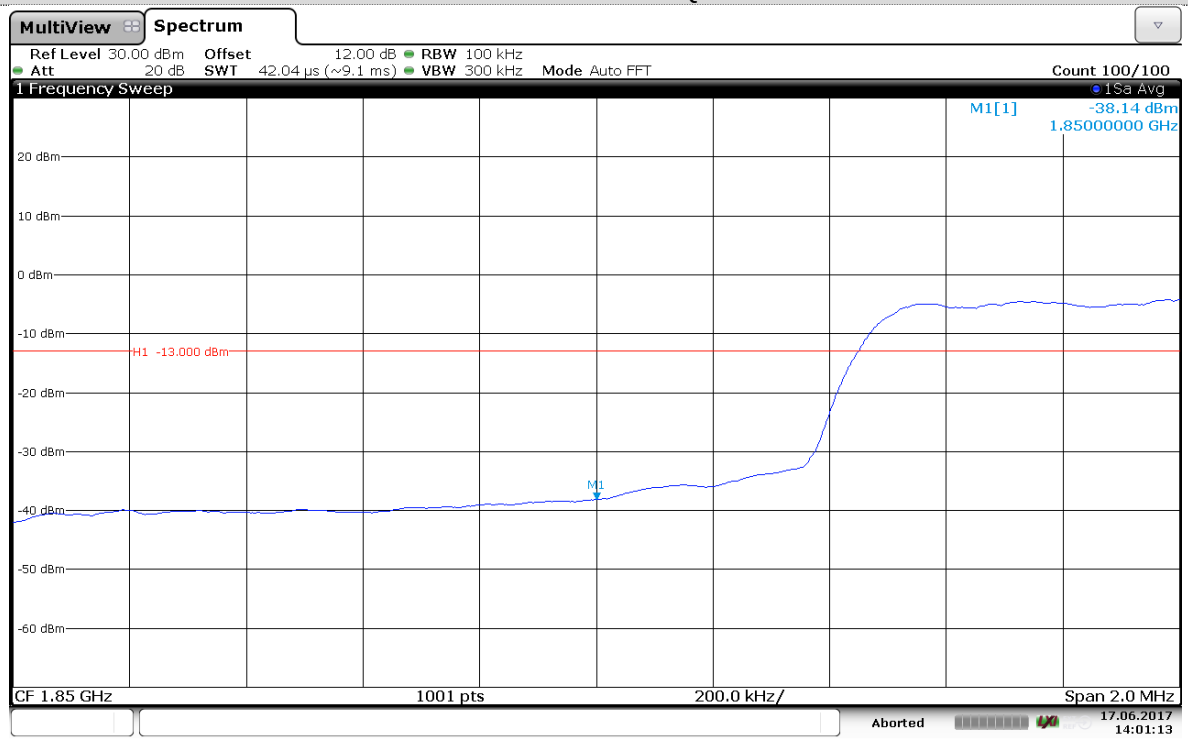


Channel Low-1RB#

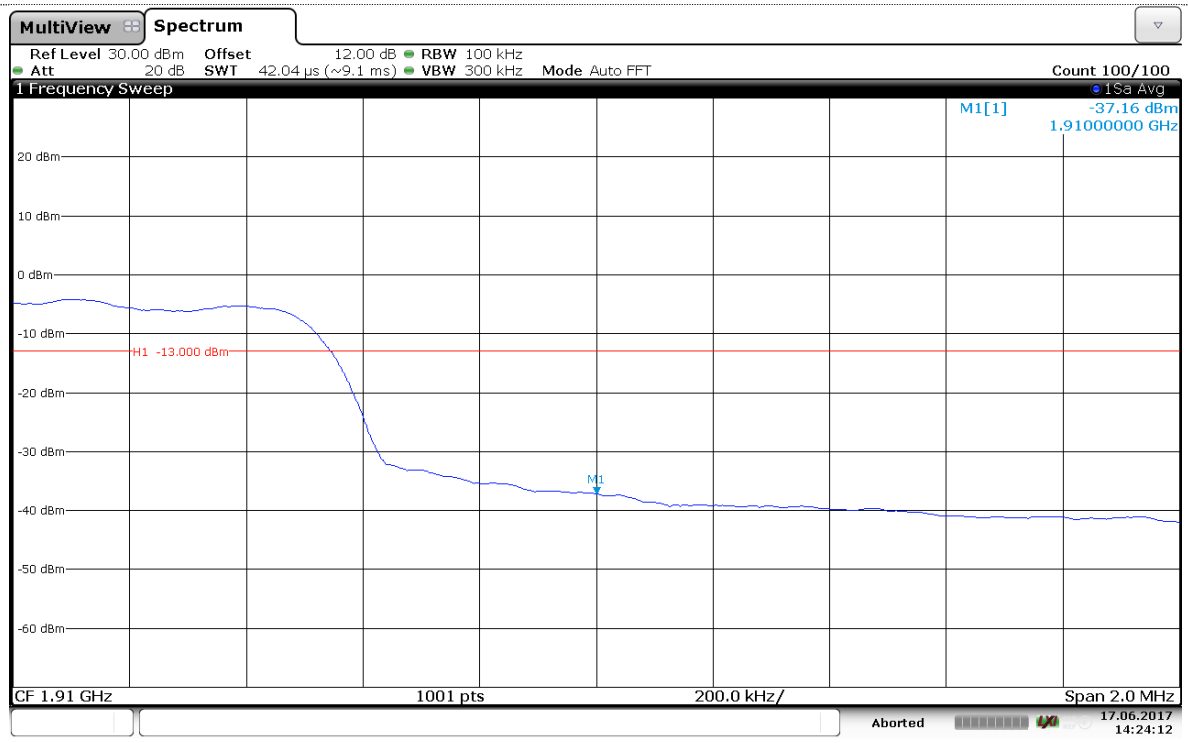


Channel High-1RB#

LTE Band 2-10MHz-QPSK

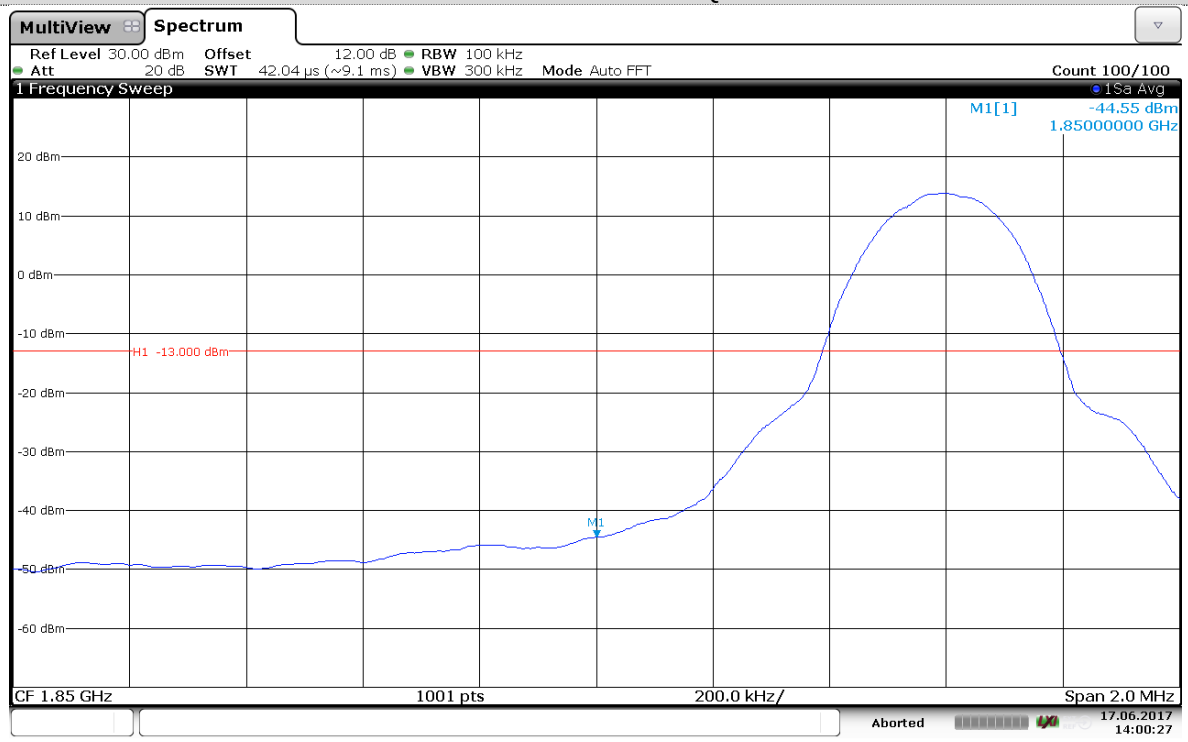


Channel Low-Full RB#

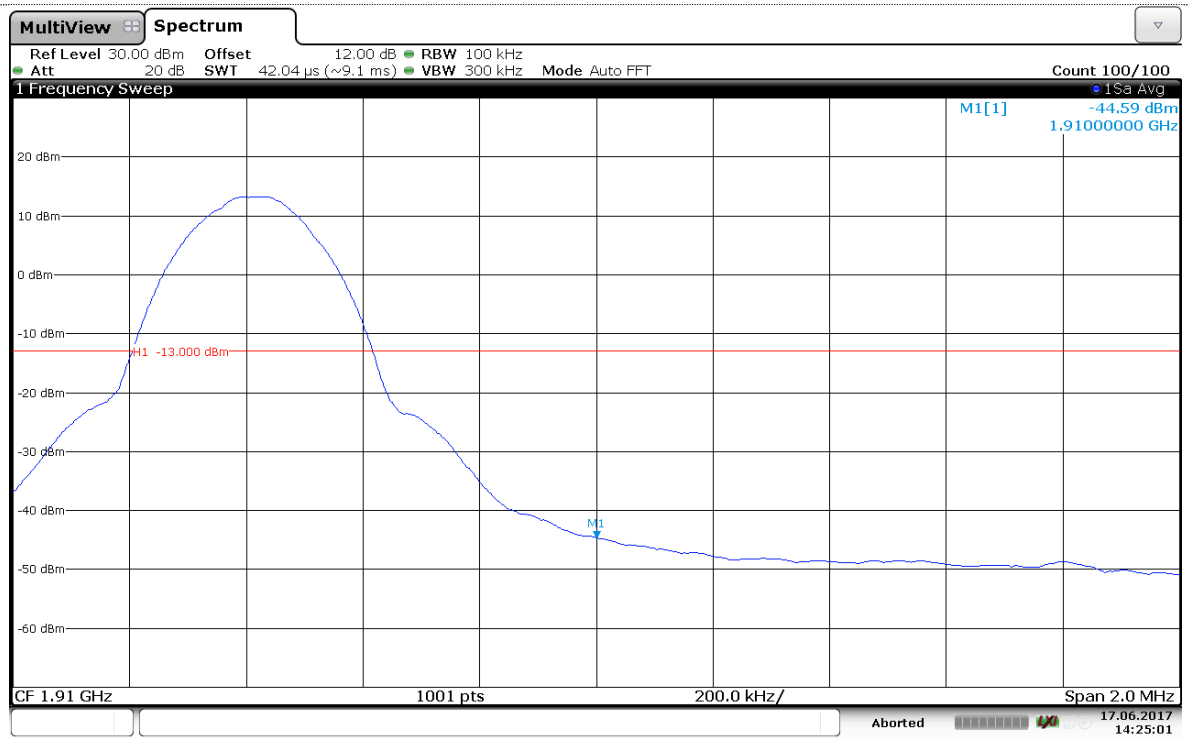


Channel High-Full RB#

LTE Band 2-10MHz-16QAM

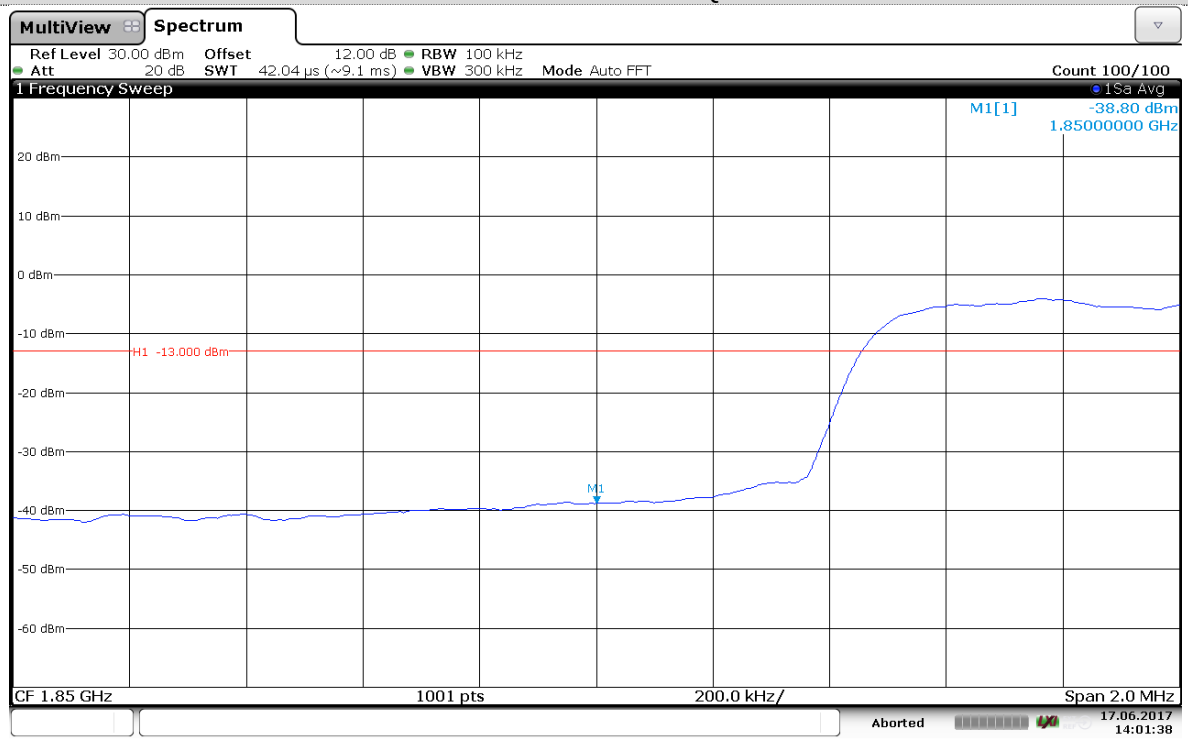


Channel Low-1RB#

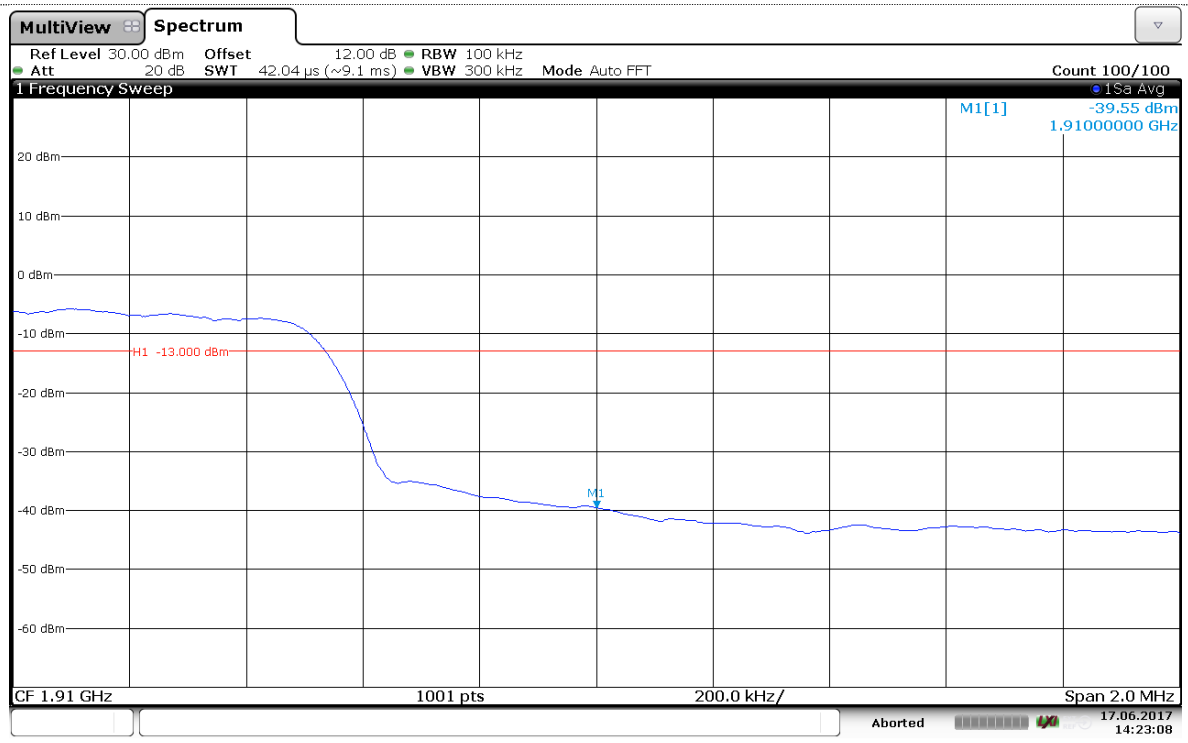


Channel High-1RB#

LTE Band 2-10MHz-16QAM

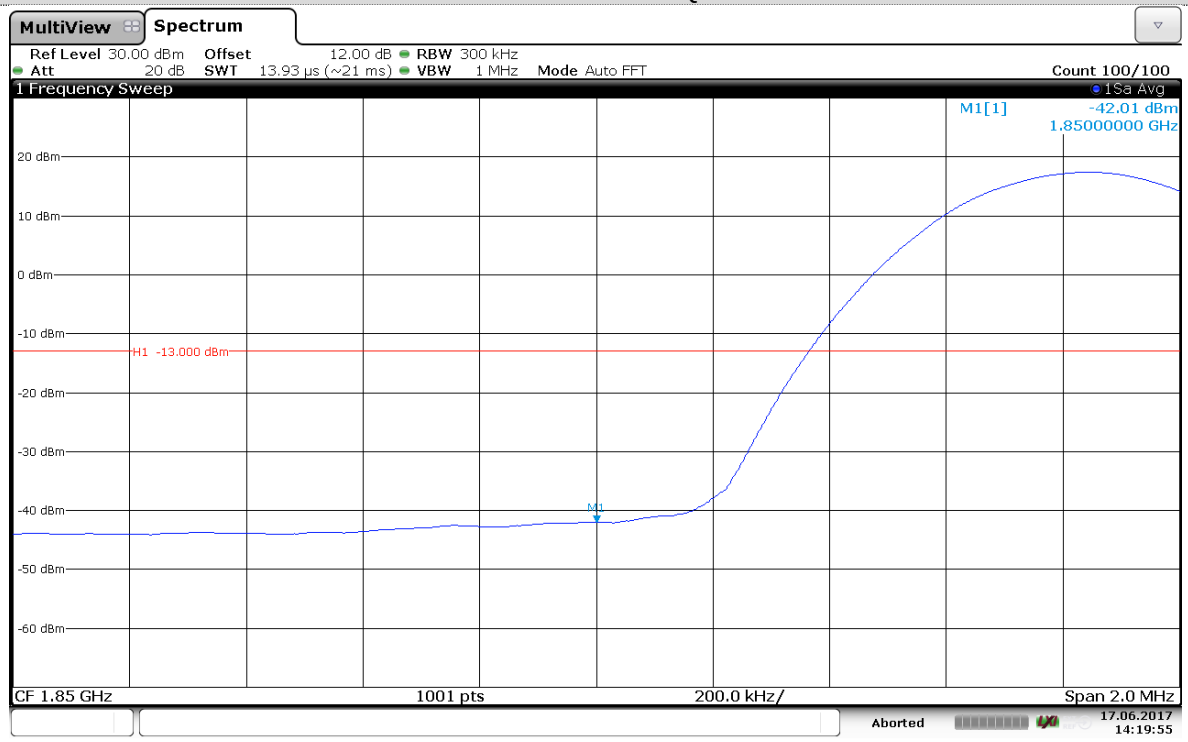


Channel Low-Full RB#

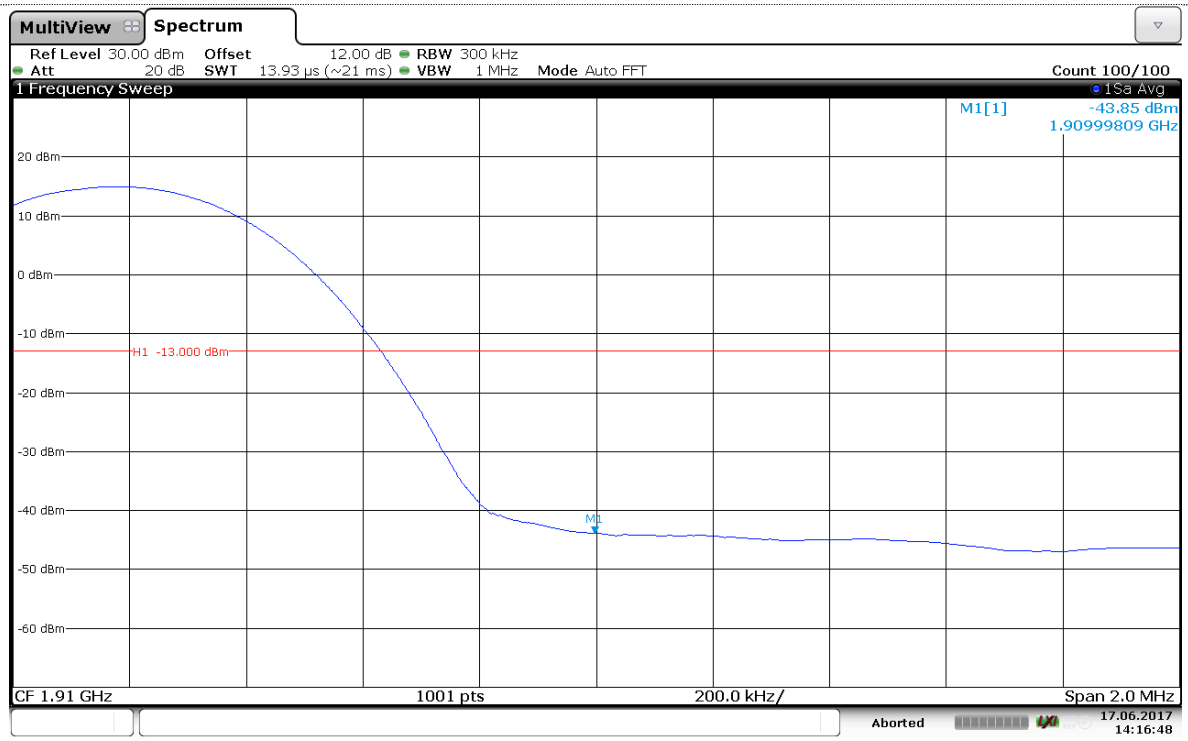


Channel High-Full RB#

LTE Band 2-15MHz-QPSK



Channel Low-1RB#



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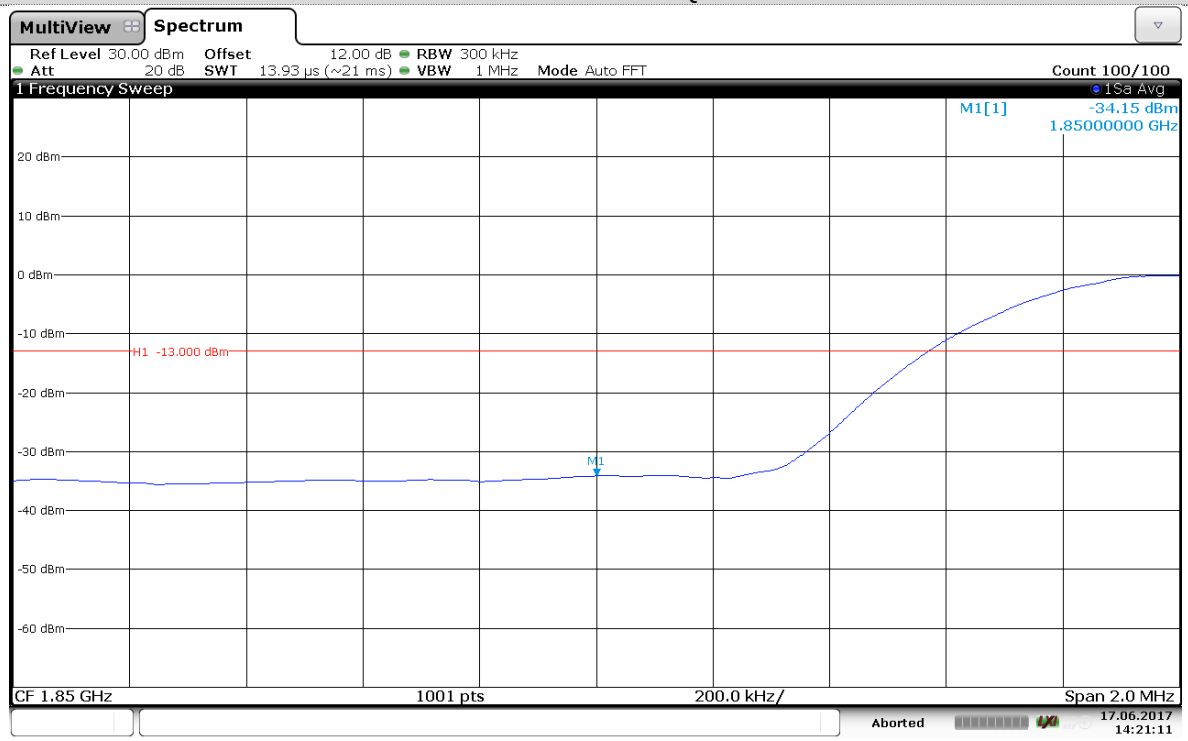
LTE Band 2-15MHz-QPSK



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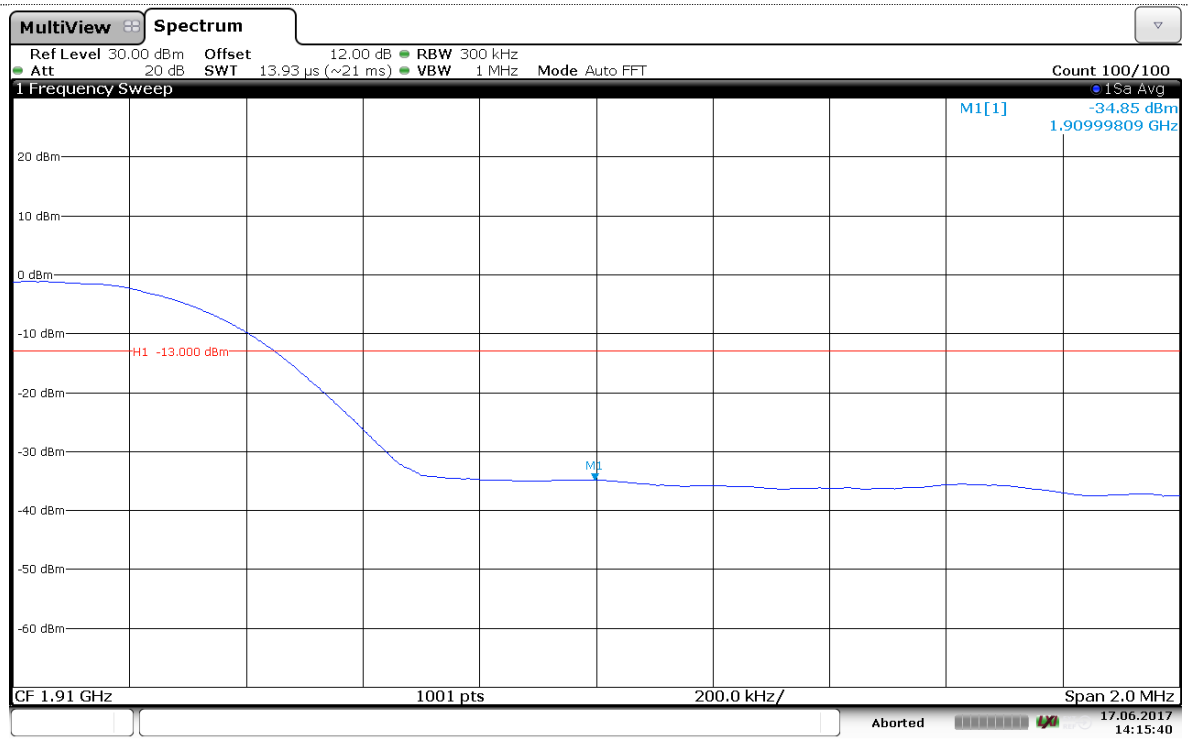
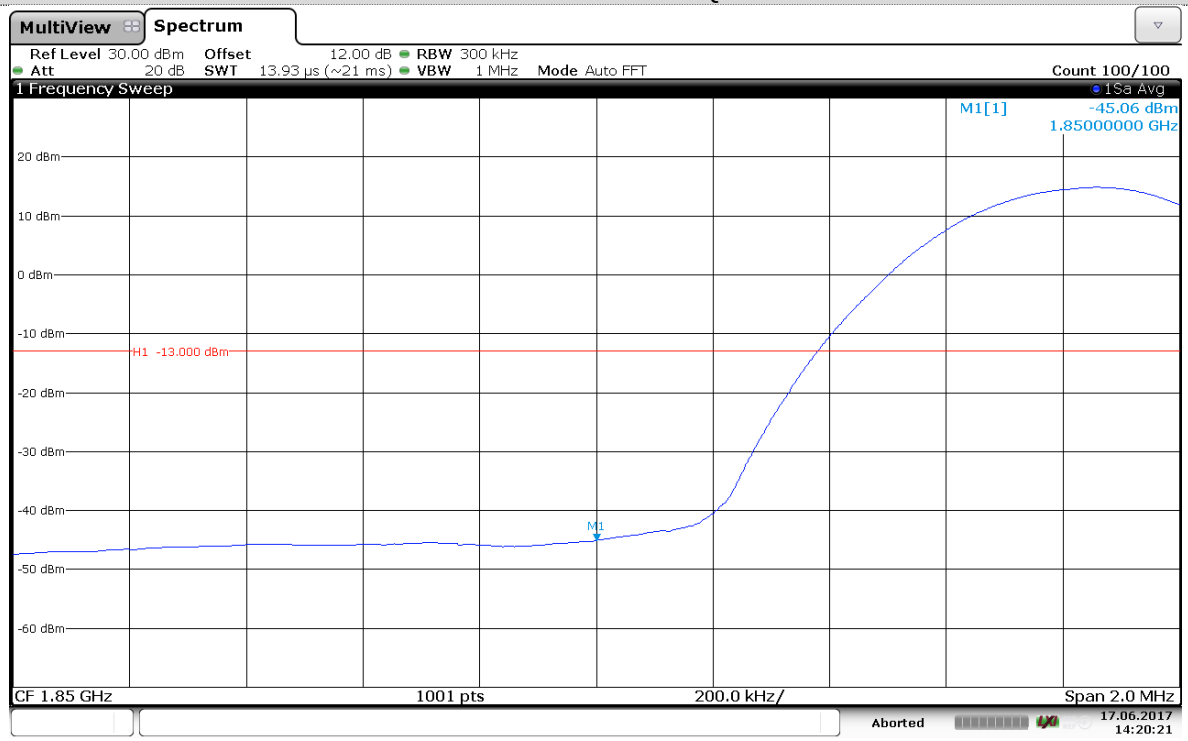


Channel High-Full RB#

LTE Band 2-15MHz-16QAM



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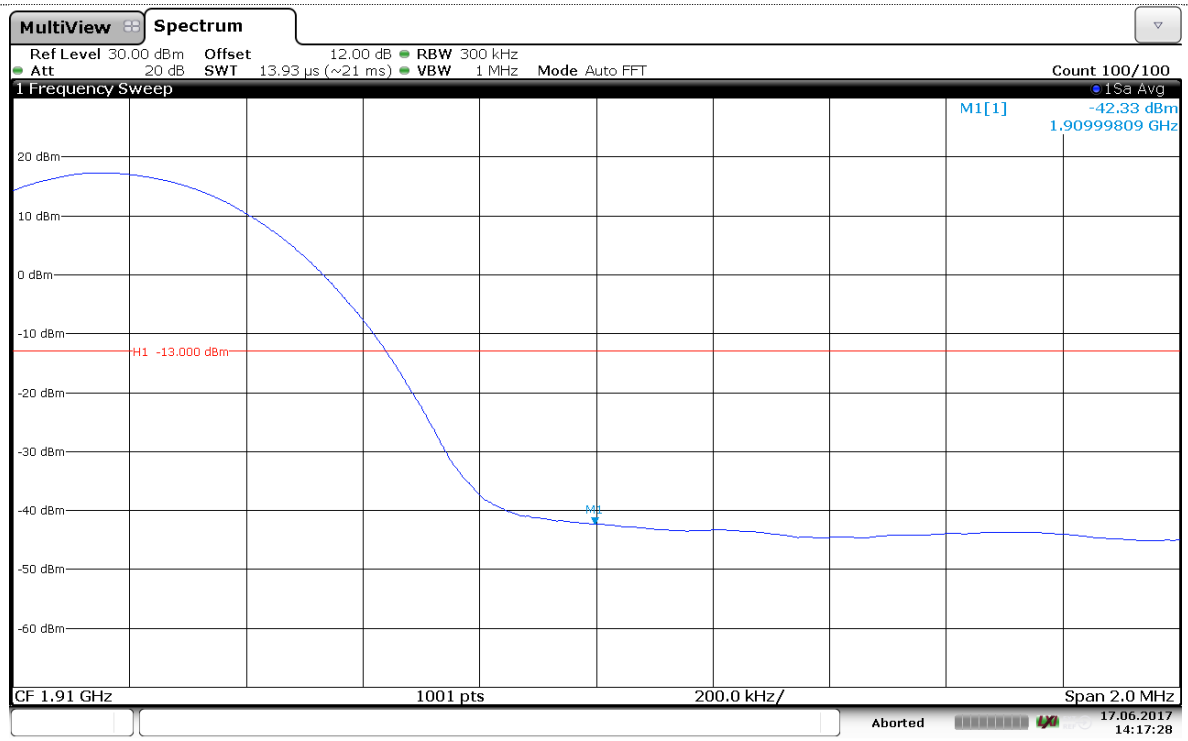

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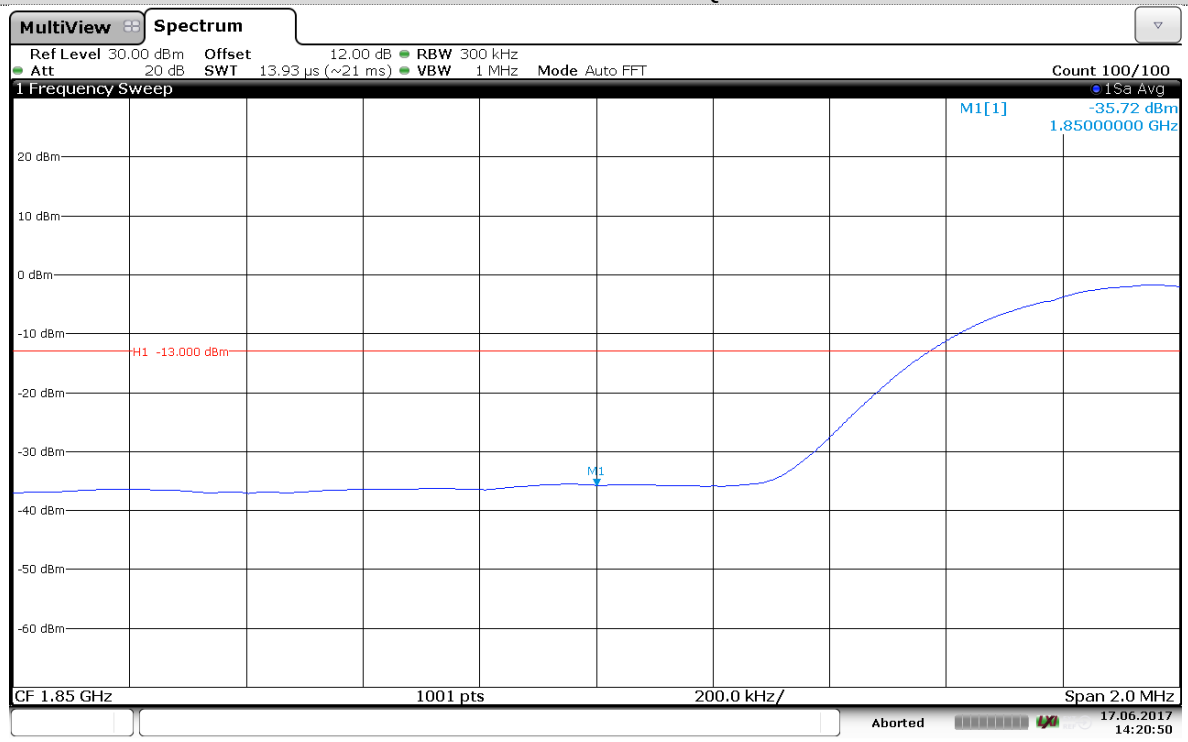
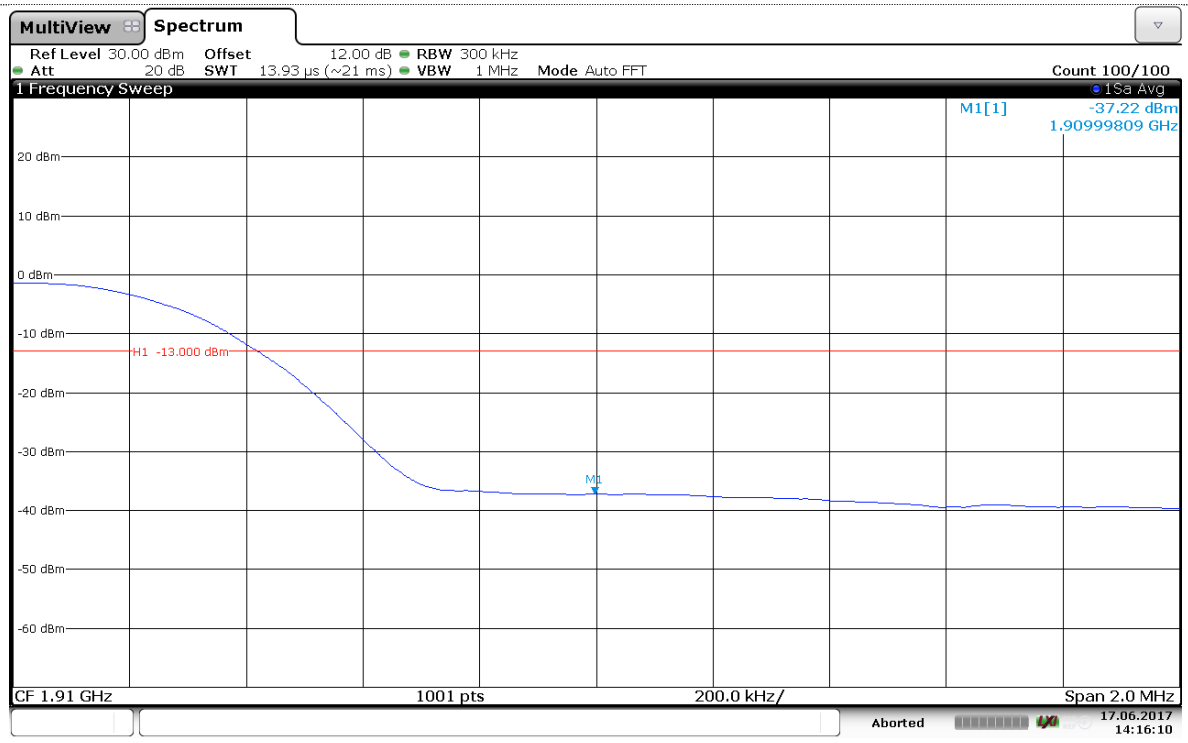
LTE Band 2-15MHz-16QAM

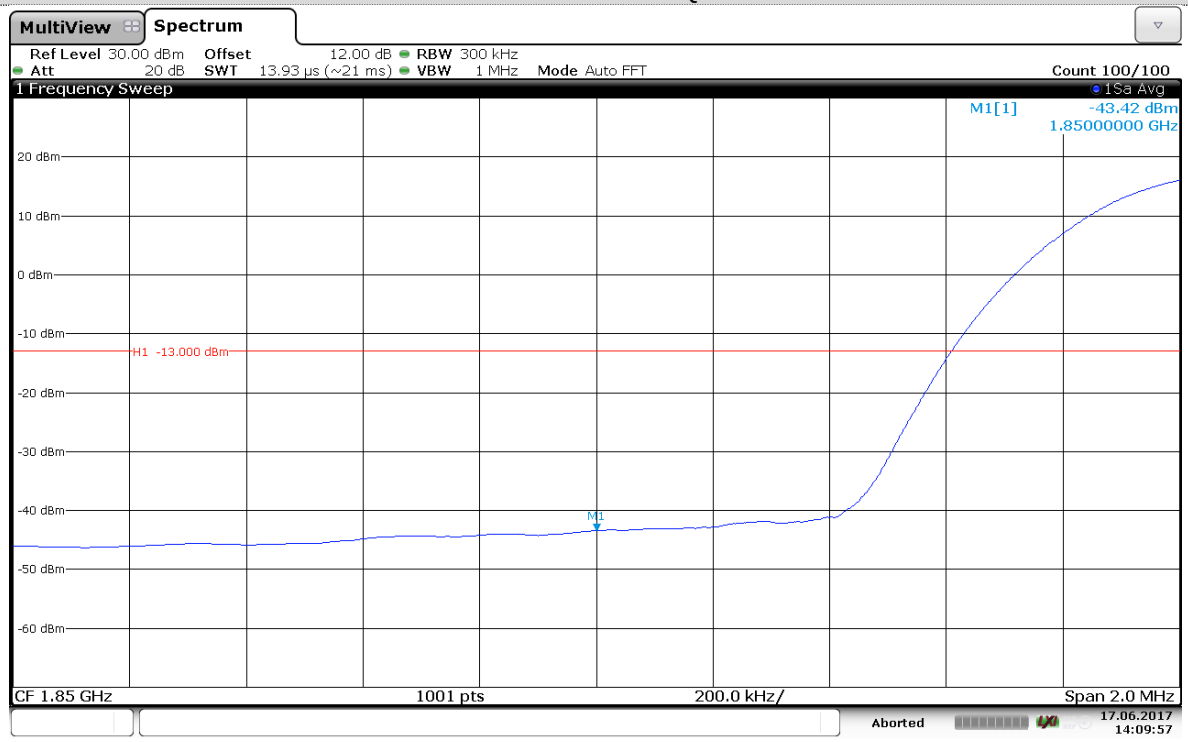


Channel Low-Full RB#



Channel High-Full RB#

LTE Band 2-20MHz-QPSK



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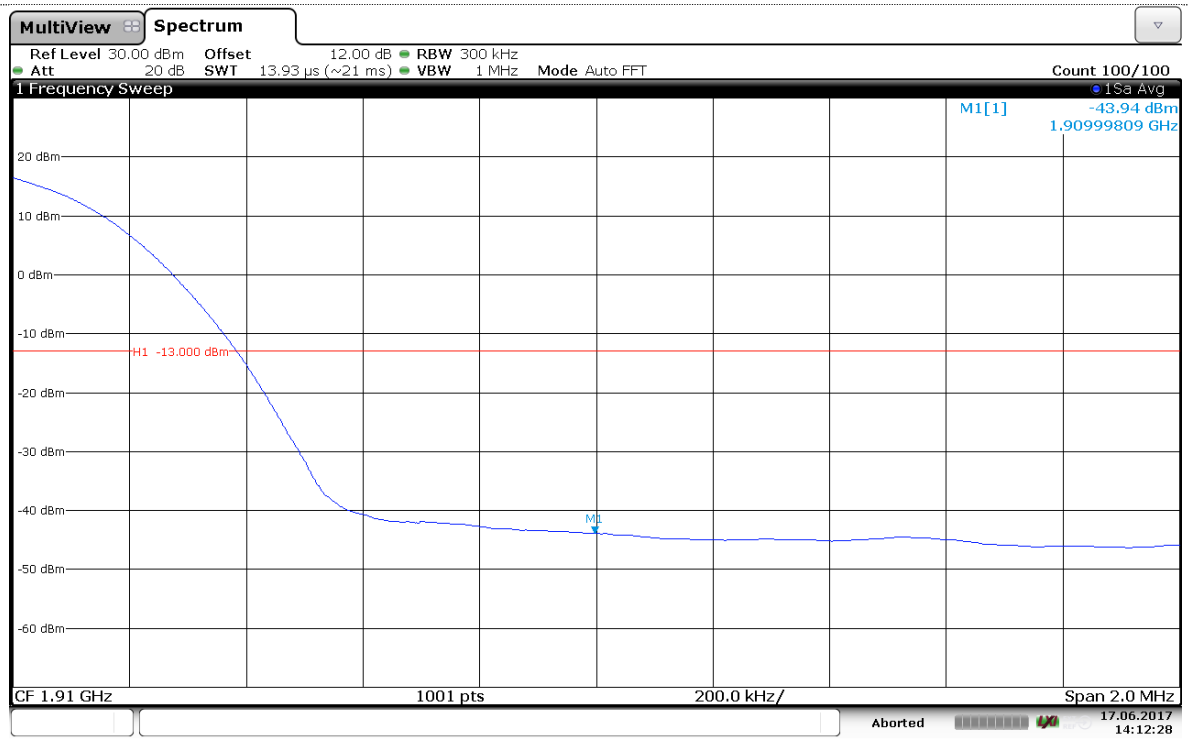

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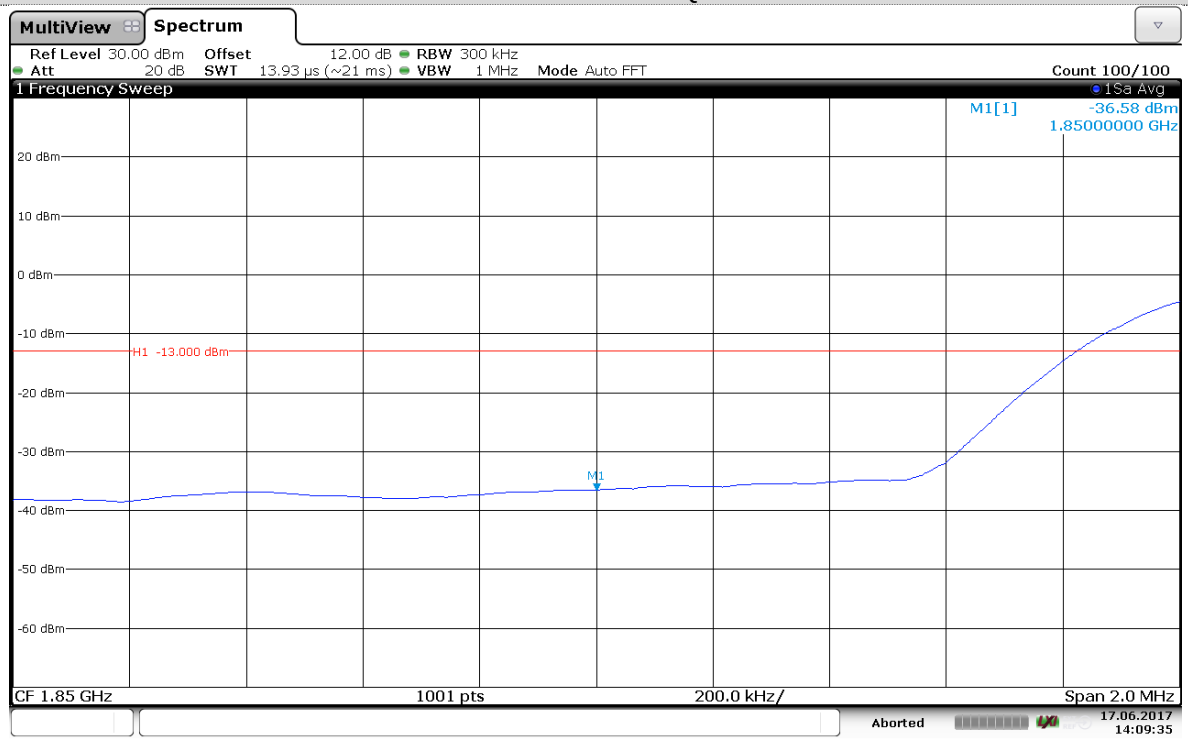
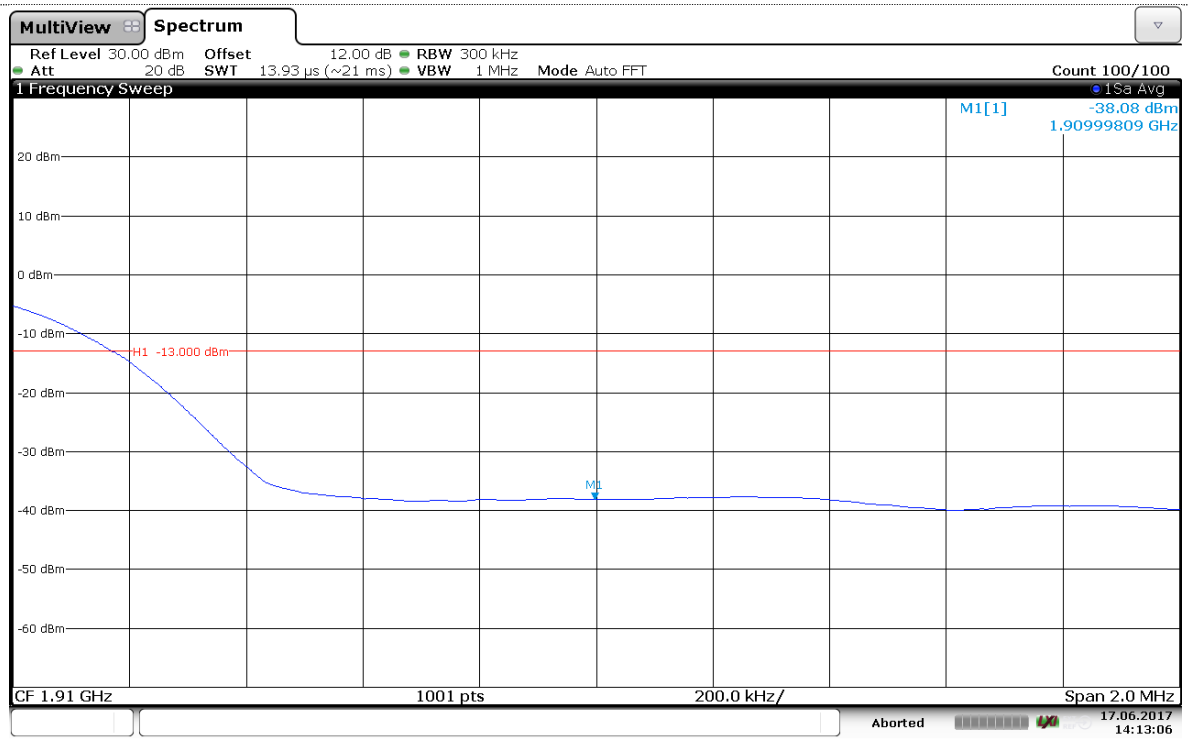
LTE Band 2-20MHz-QPSK



Channel Low-Full RB#



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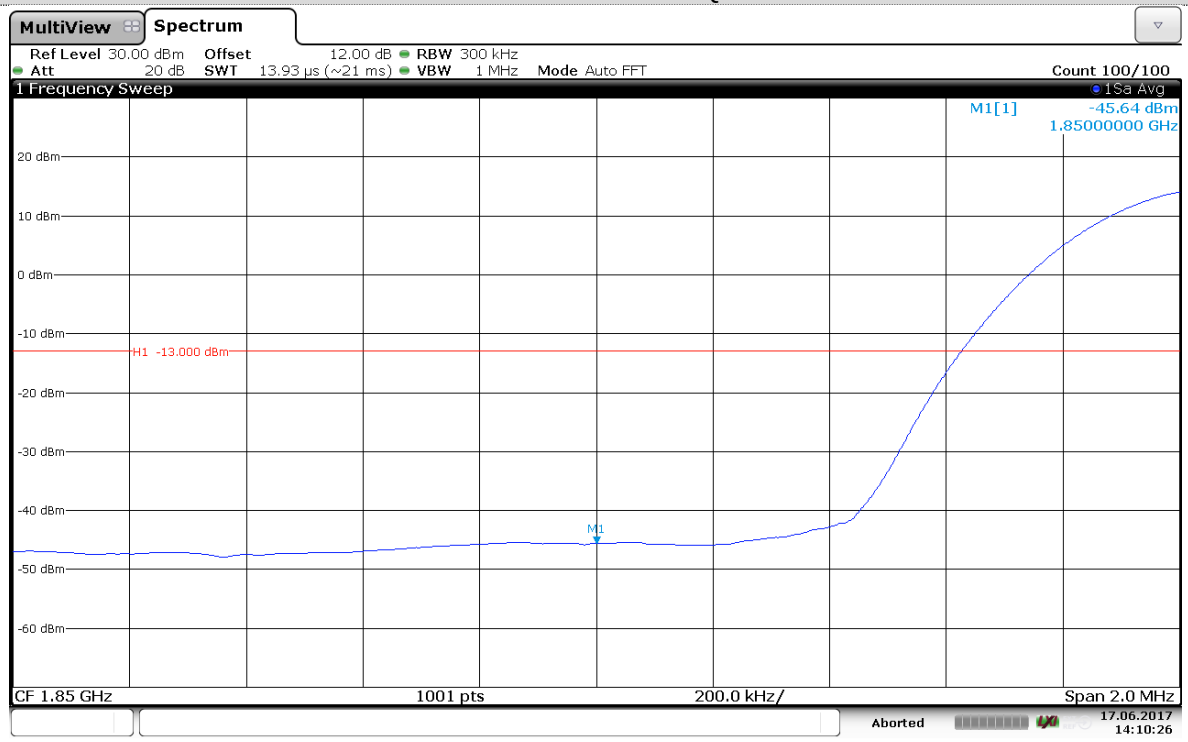
LTE Band 2-20MHz-16QAM



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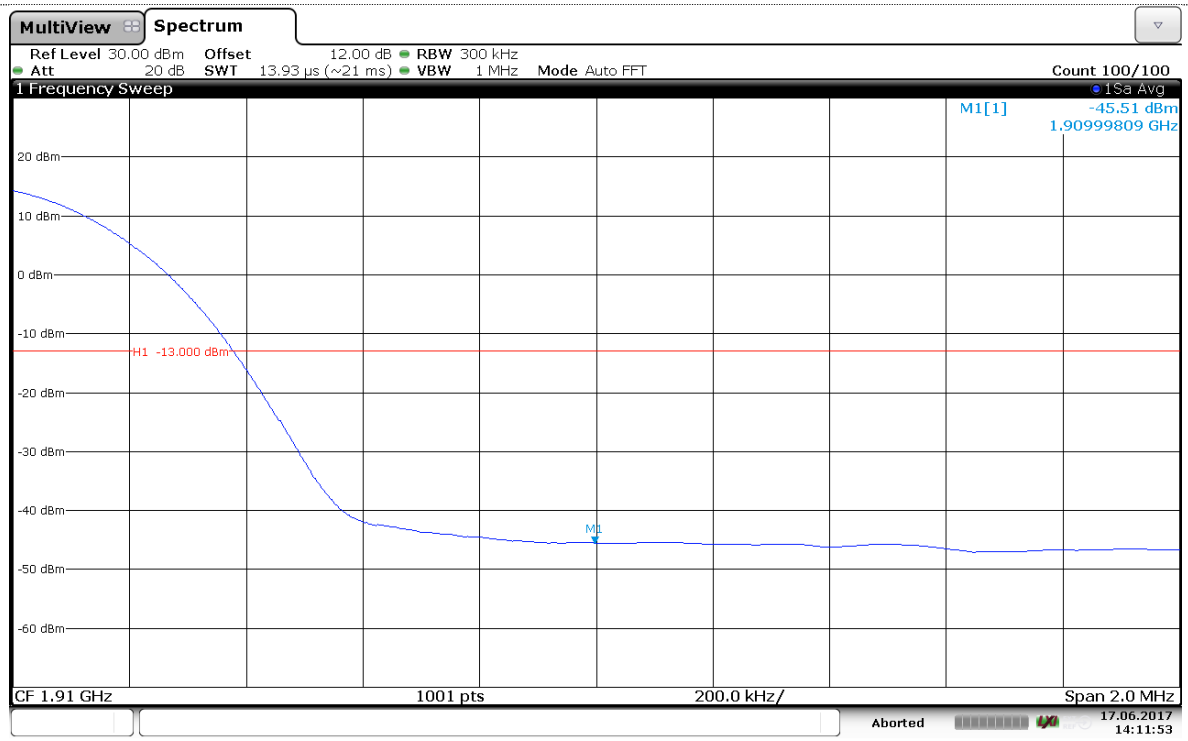
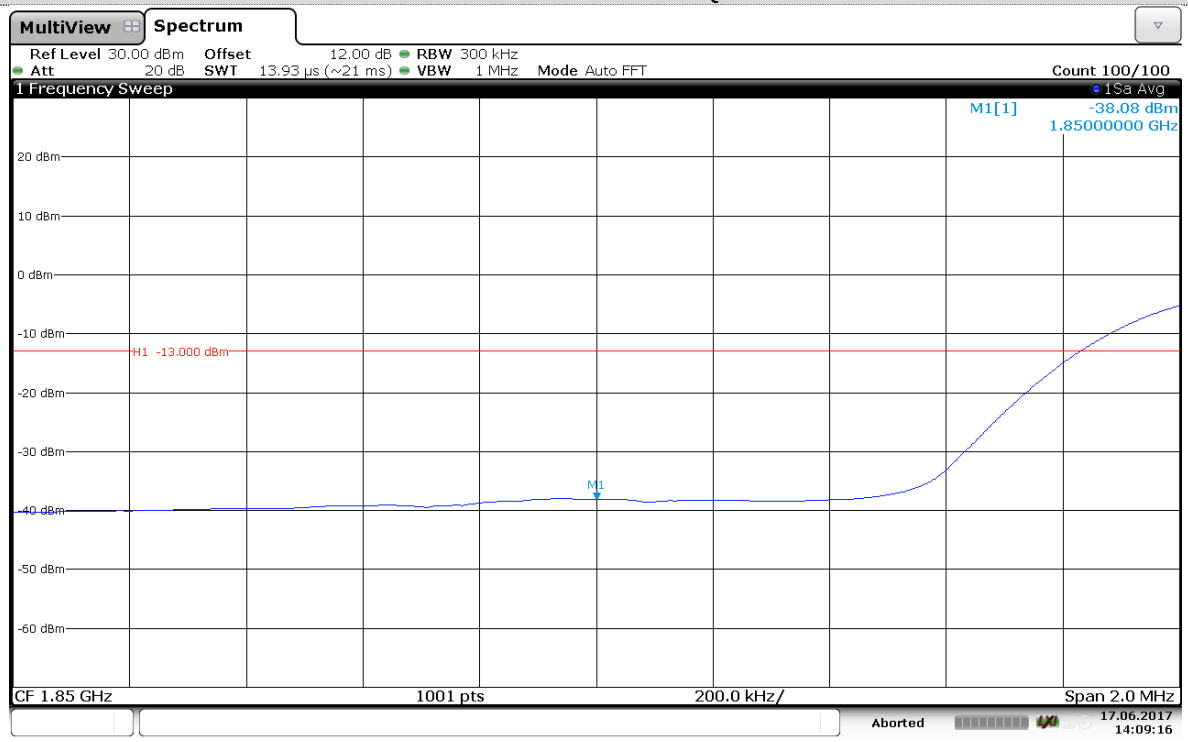
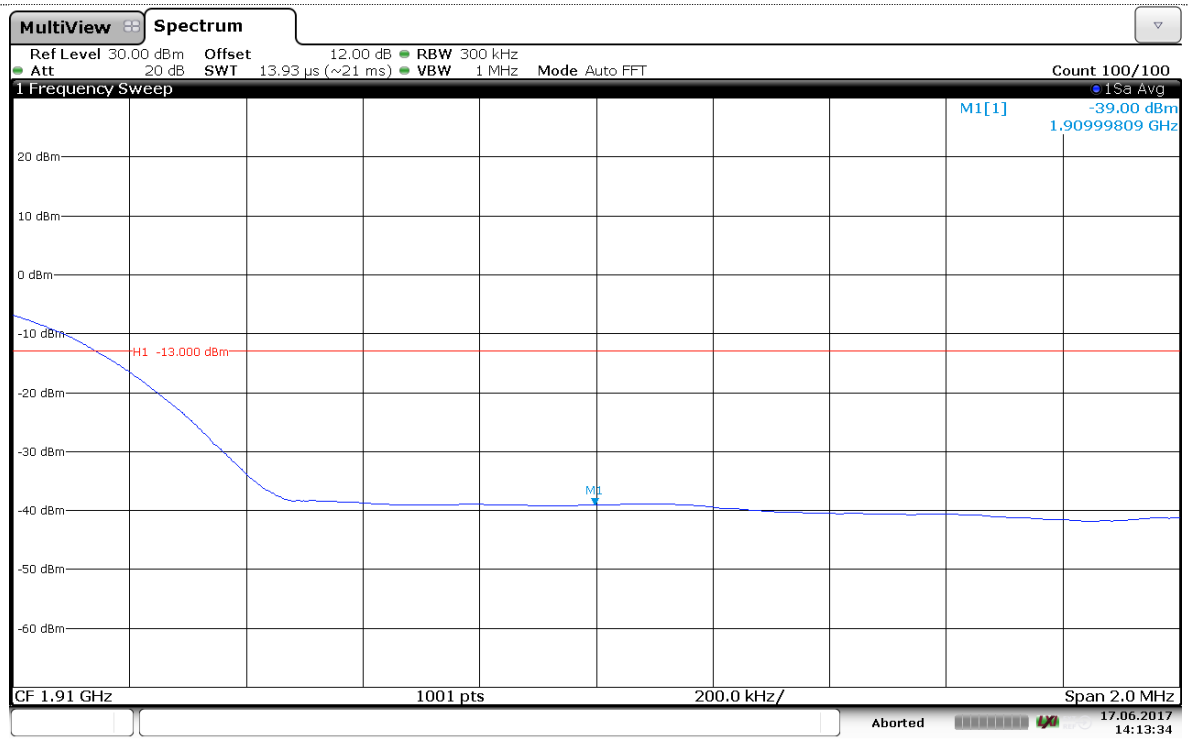


Channel High-1RB#

LTE Band 2-20MHz-16QAM

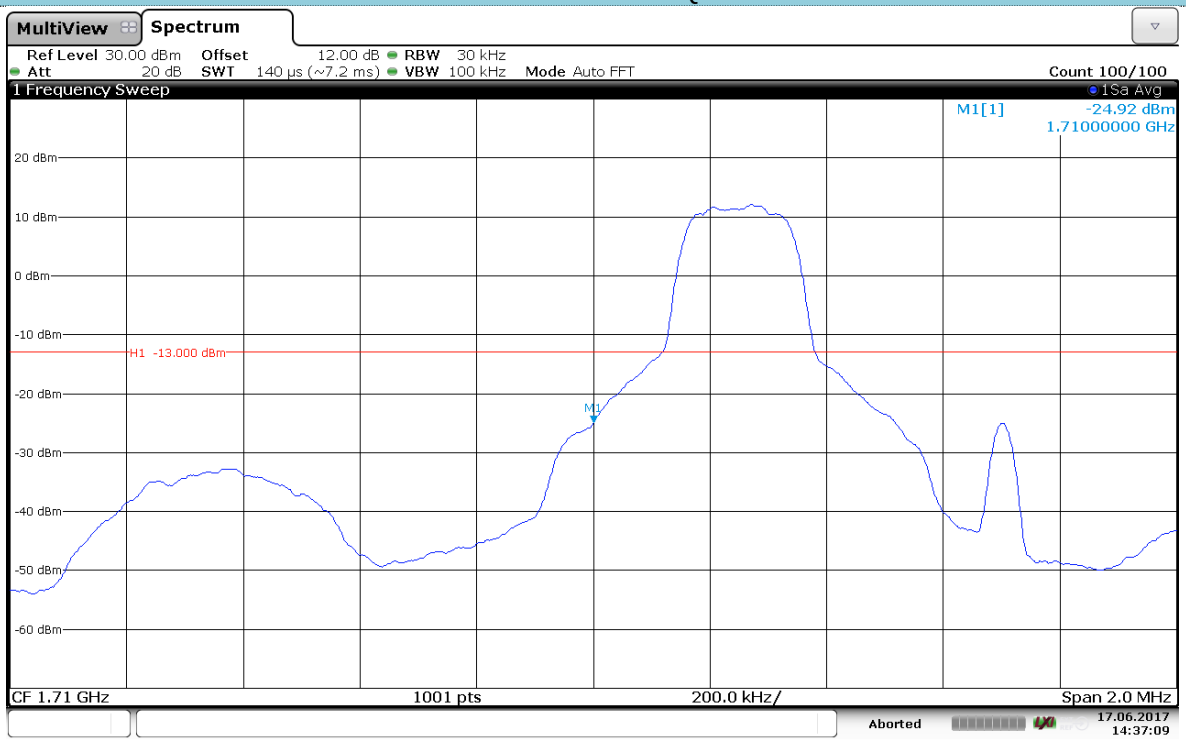


Channel Low-Full RB#

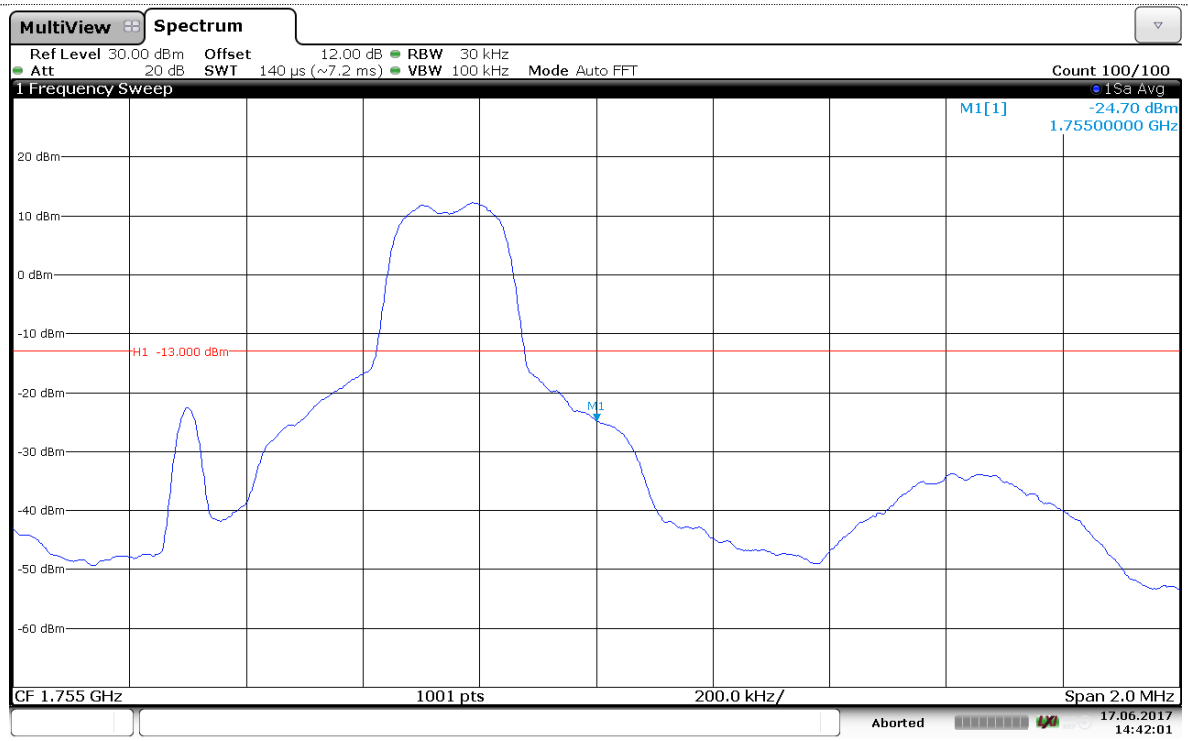


Channel High-Full RB#

LTE Band 4-1.4MHz-QPSK

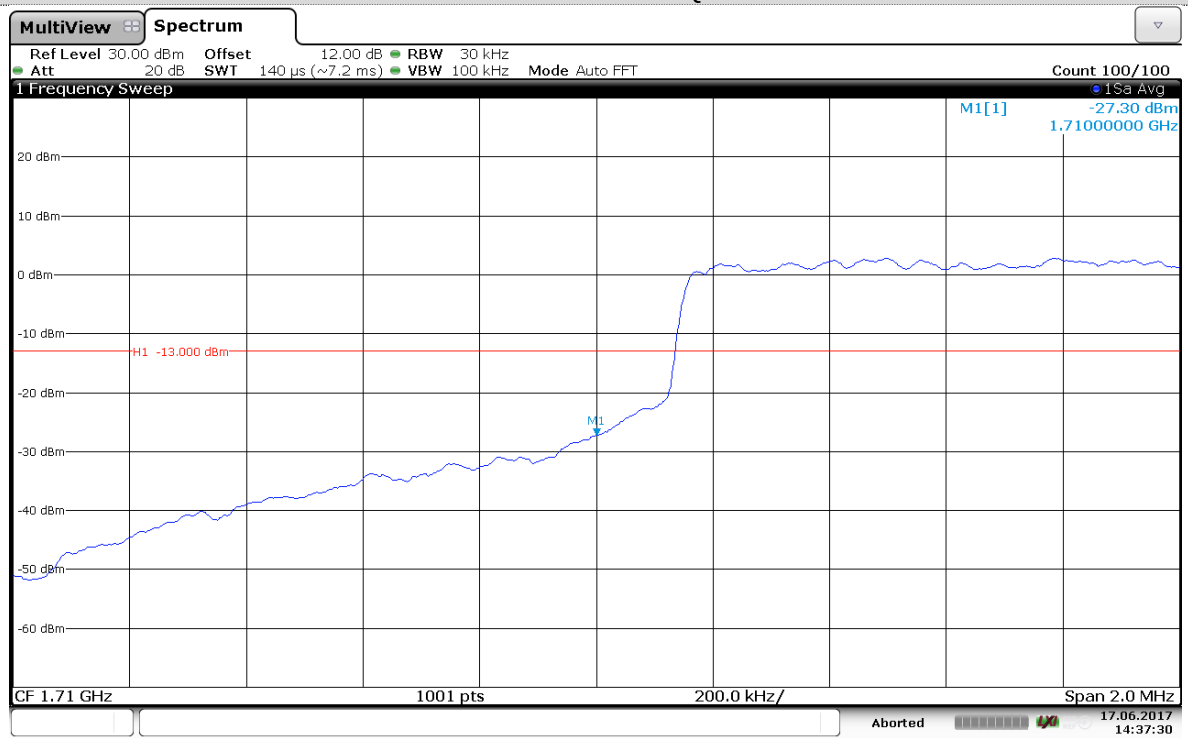


Channel Low-1RB#

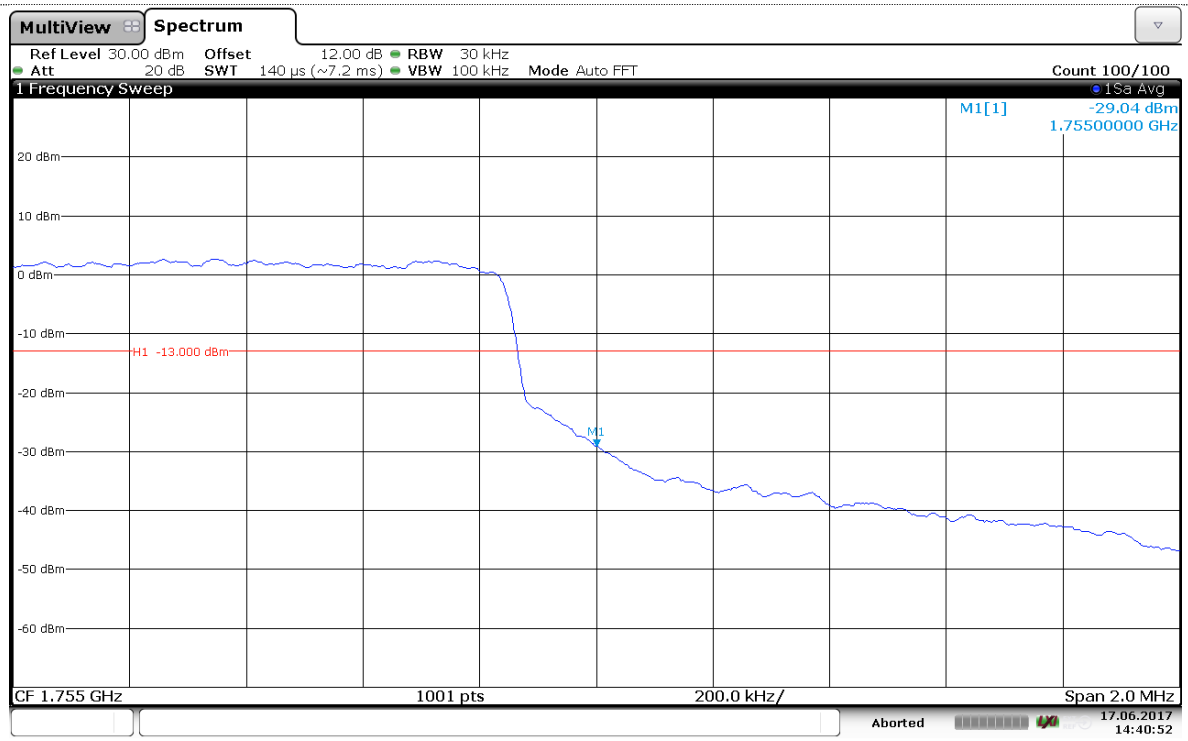


Channel High-1RB#

LTE Band 4-1.4MHz-QPSK

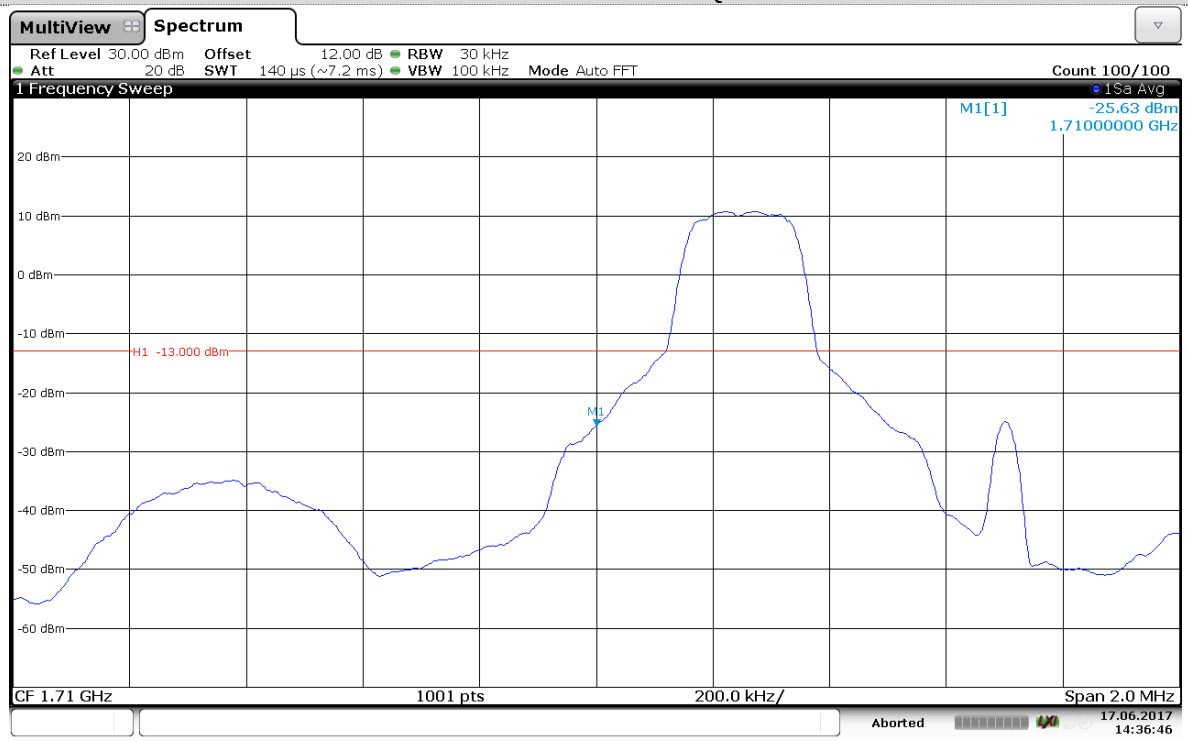


Channel Low-Full RB#



Channel High-Full RB#

LTE Band 4-1.4MHz-16QAM



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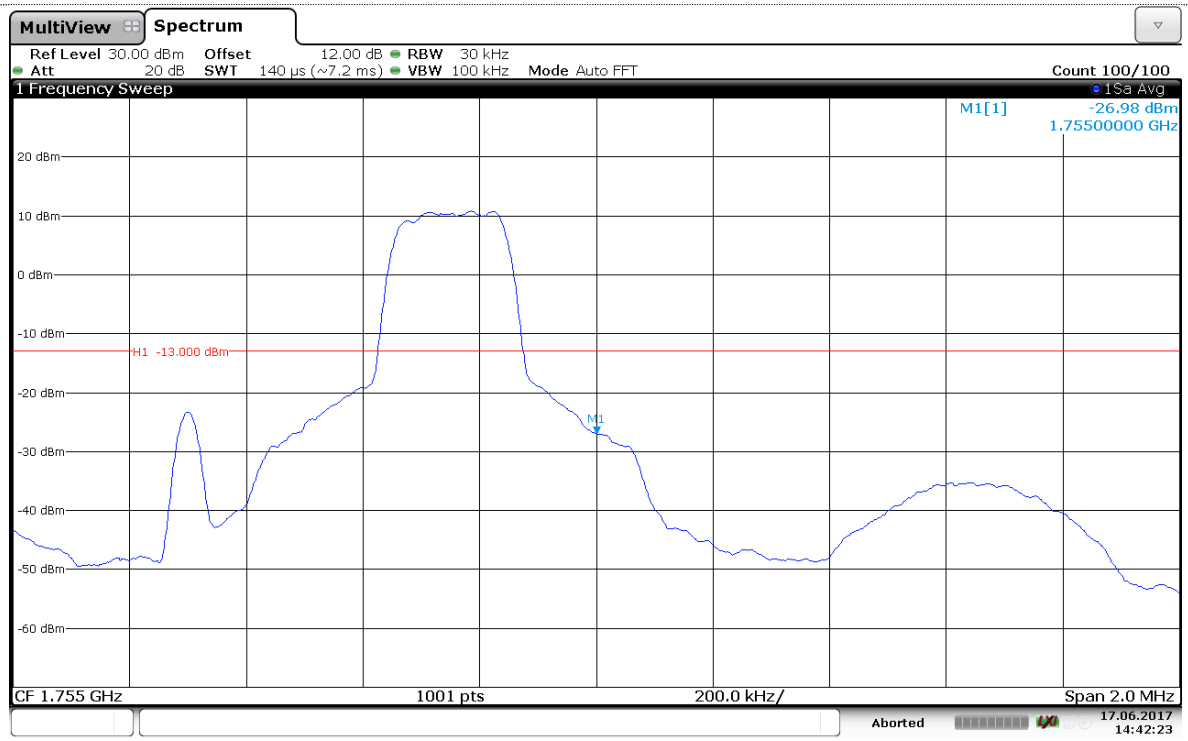
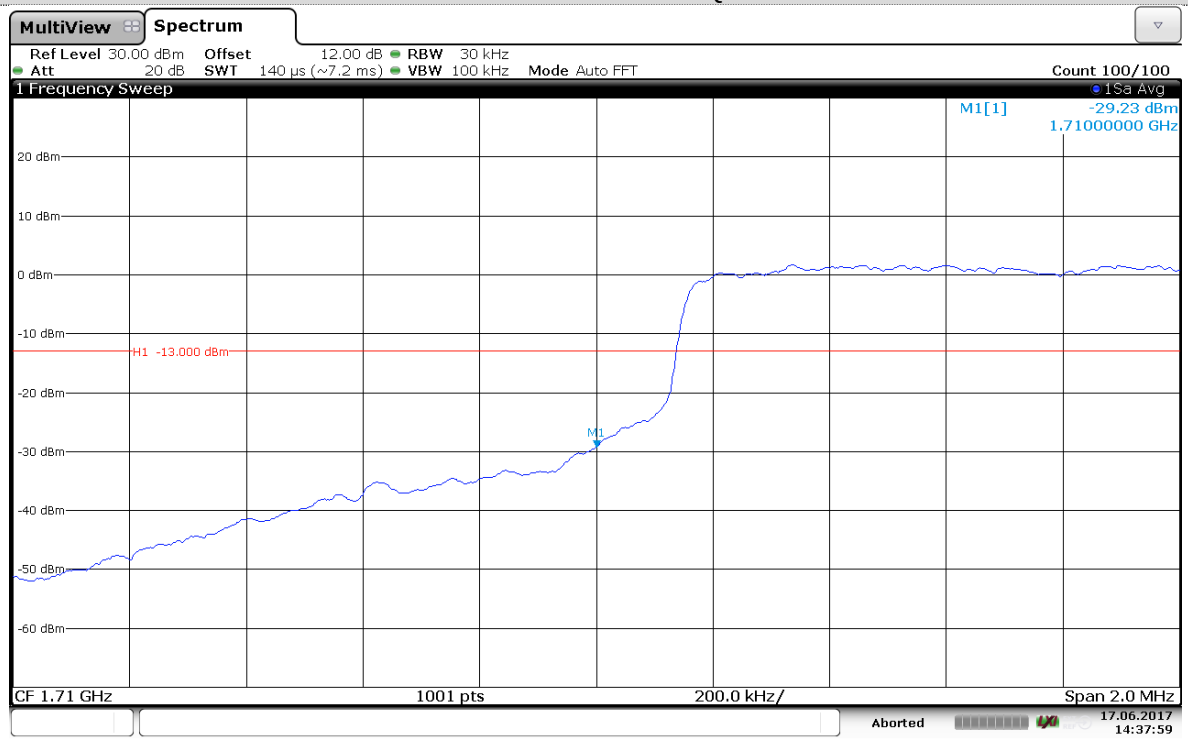
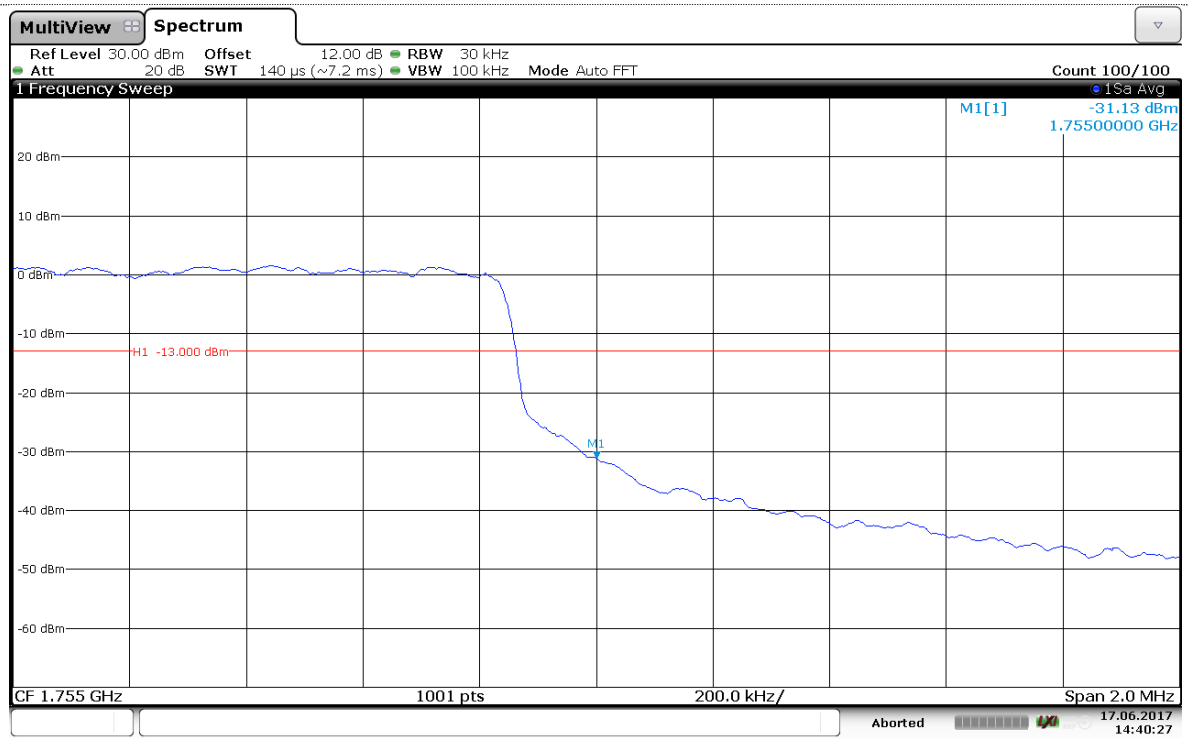


Channel High-1RB#

LTE Band 4-1.4MHz-16QAM

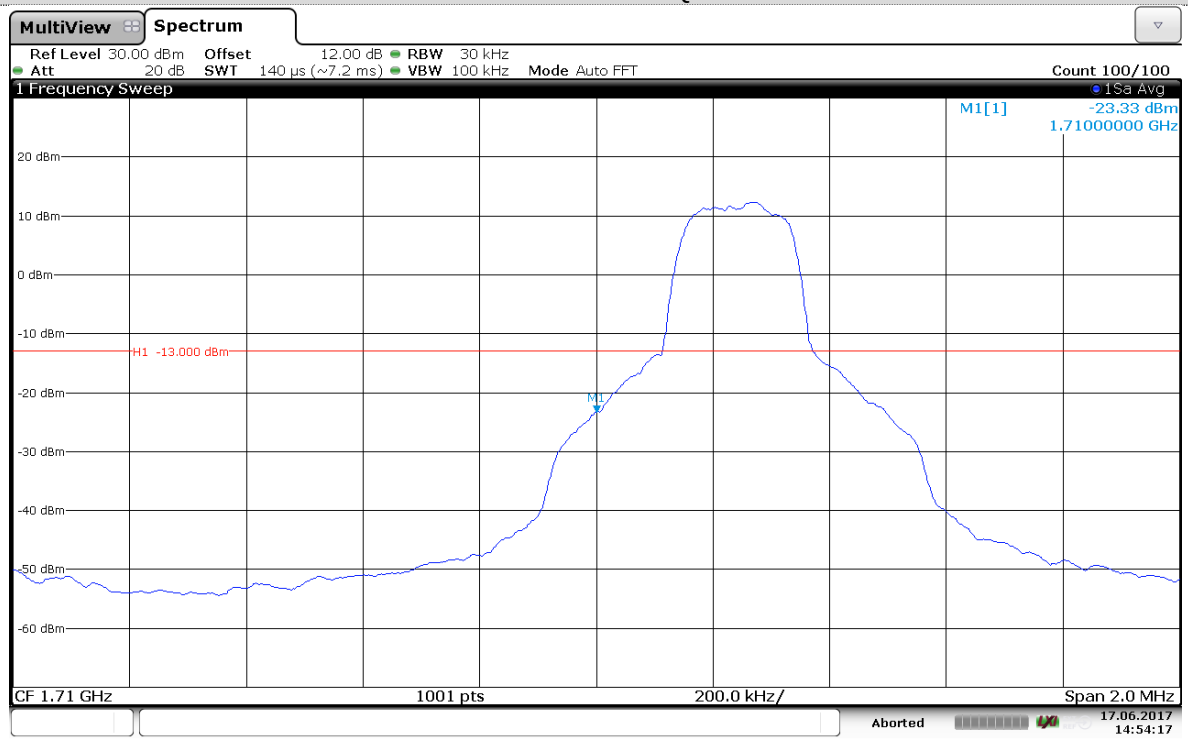


Channel Low-Full RB#

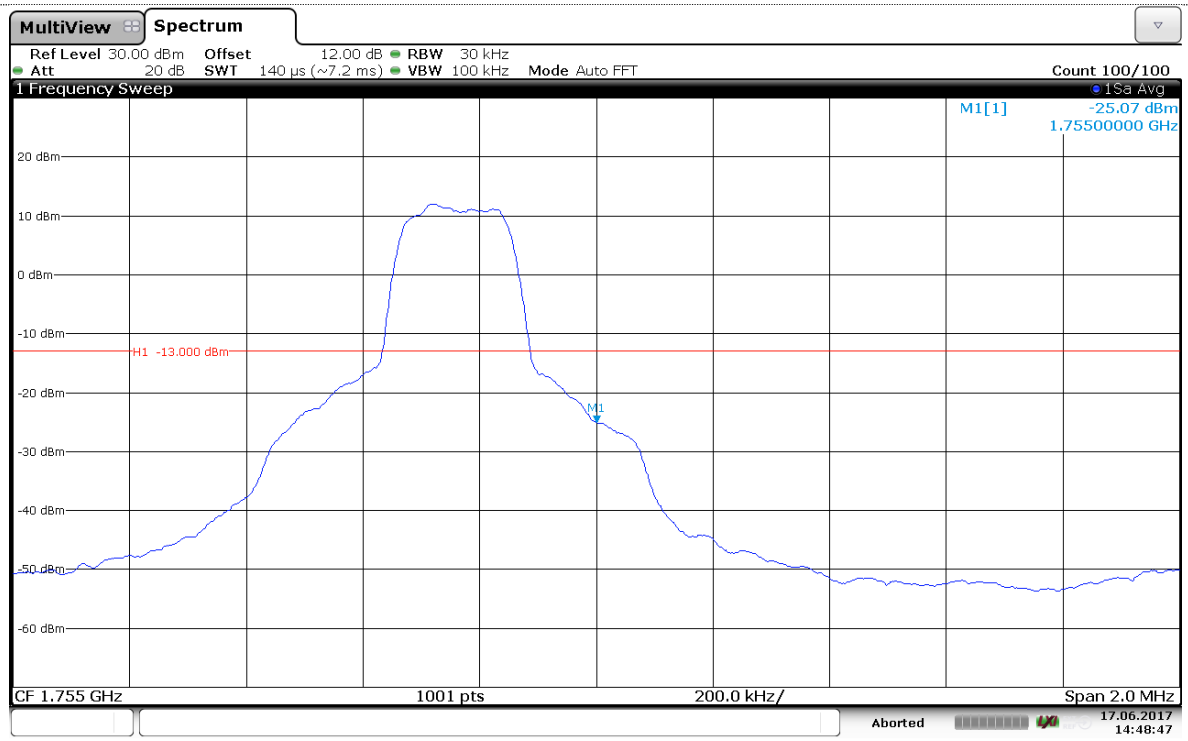


Channel High-Full RB#

LTE Band 4-3MHz-QPSK

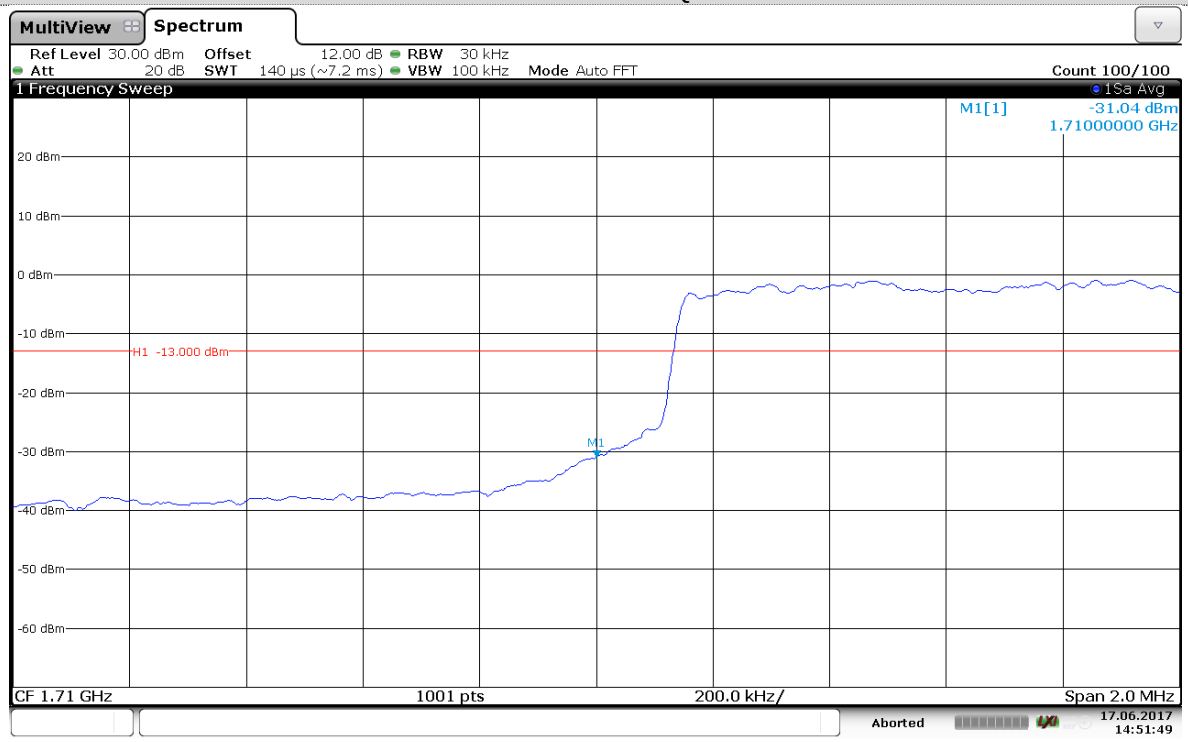


Channel Low-1RB#

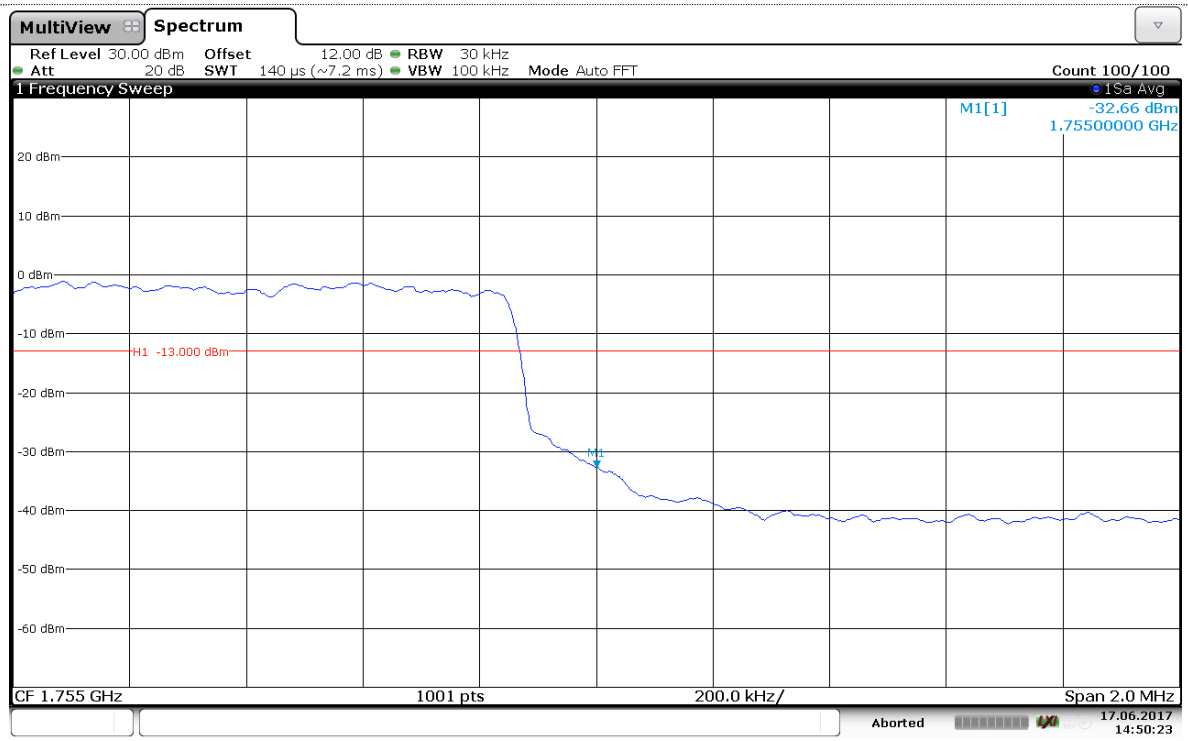


Channel High-1RB#

LTE Band 4-3MHz-QPSK

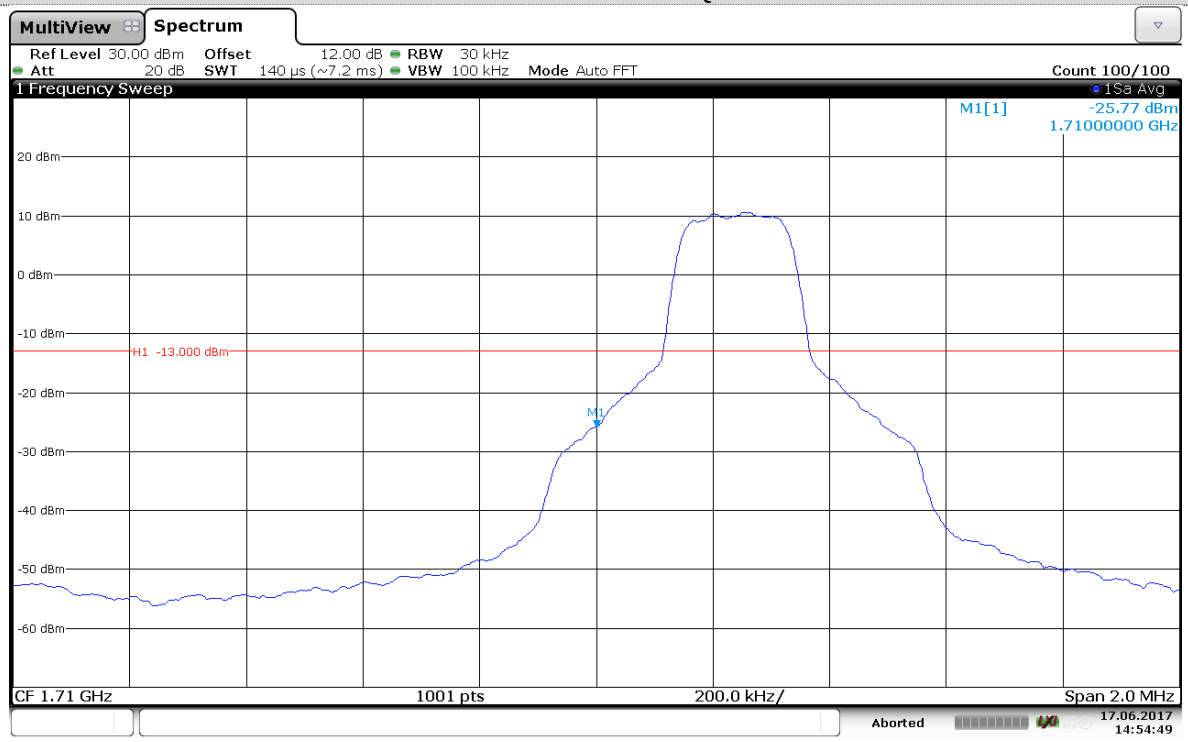


Channel Low-Full RB#

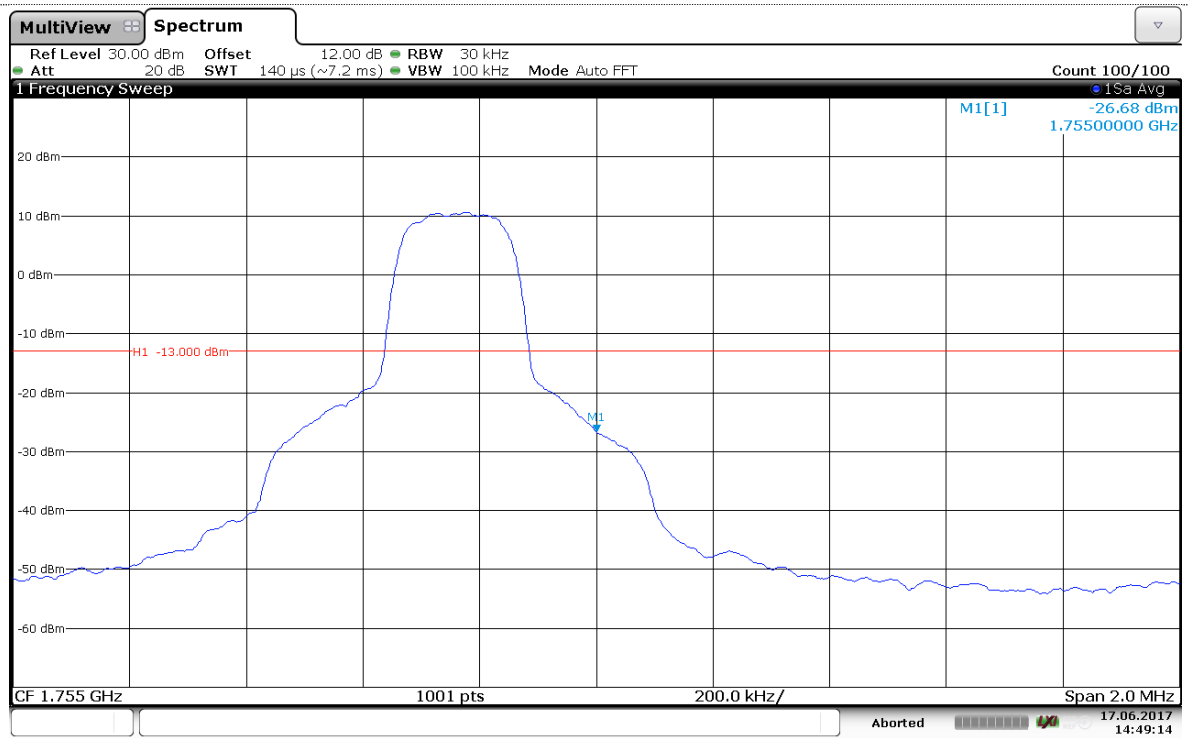


Channel High-Full RB#

LTE Band 4-3MHz-16QAM

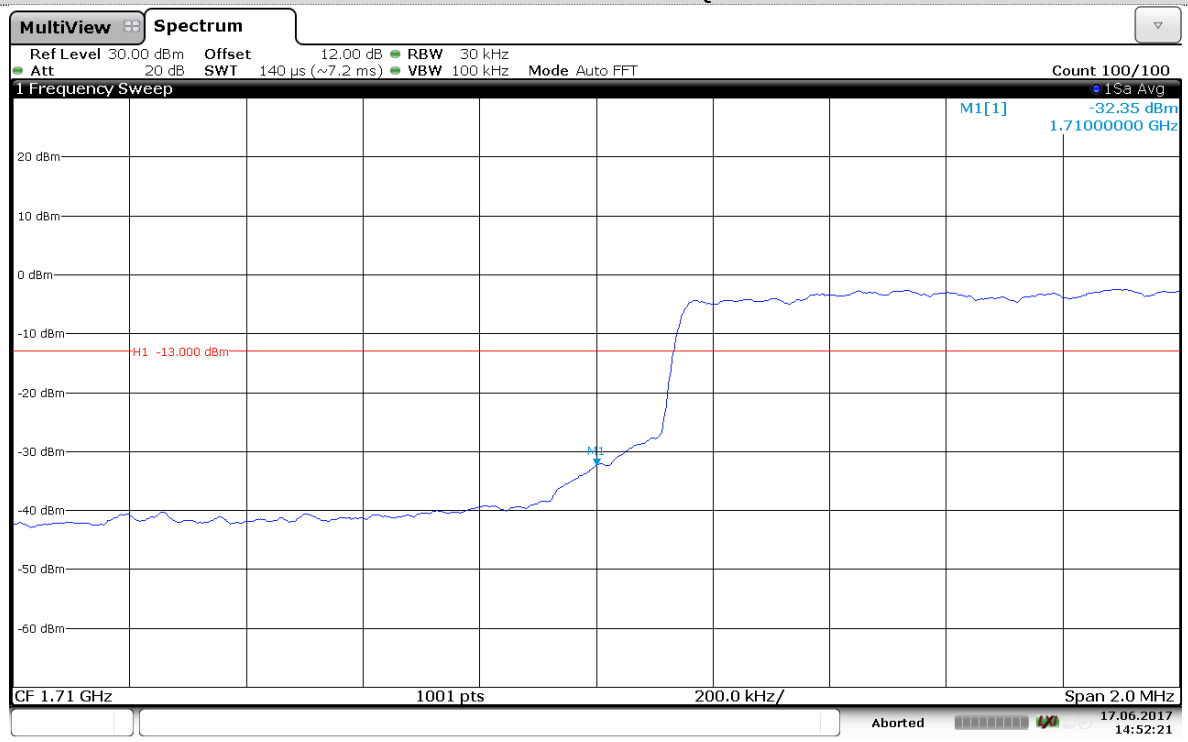


Channel Low-1RB#

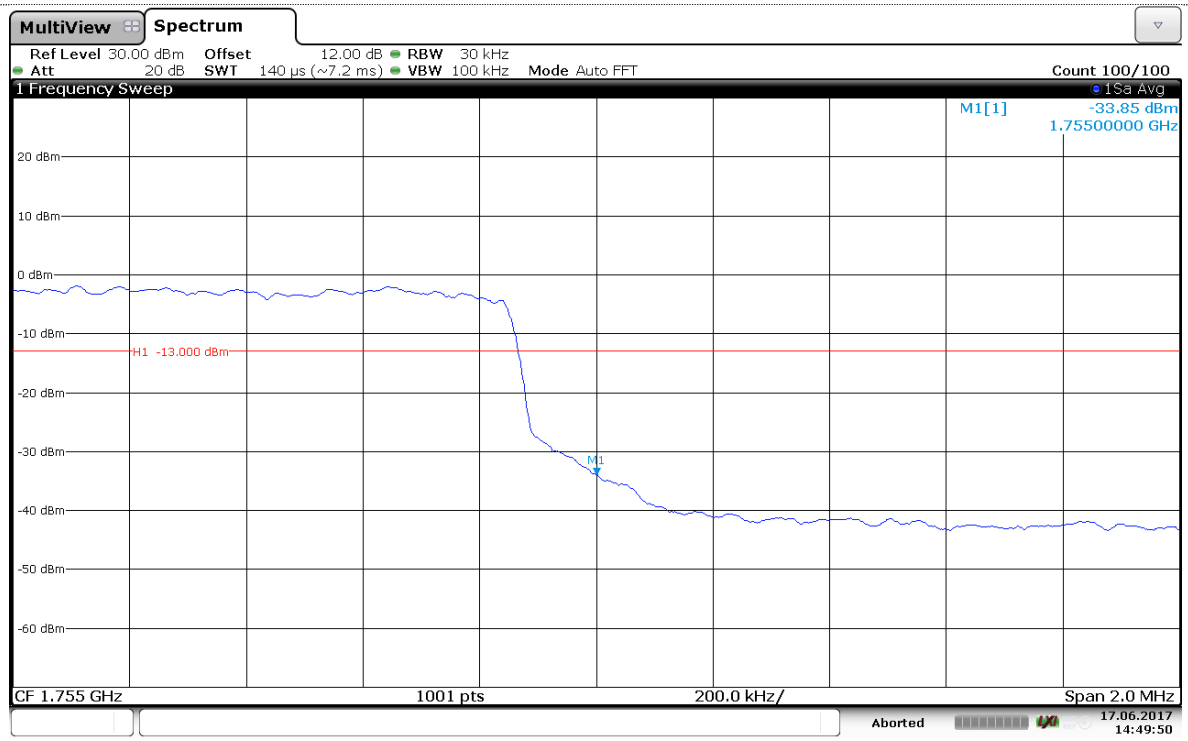


Channel High-1RB#

LTE Band 4-3MHz-16QAM

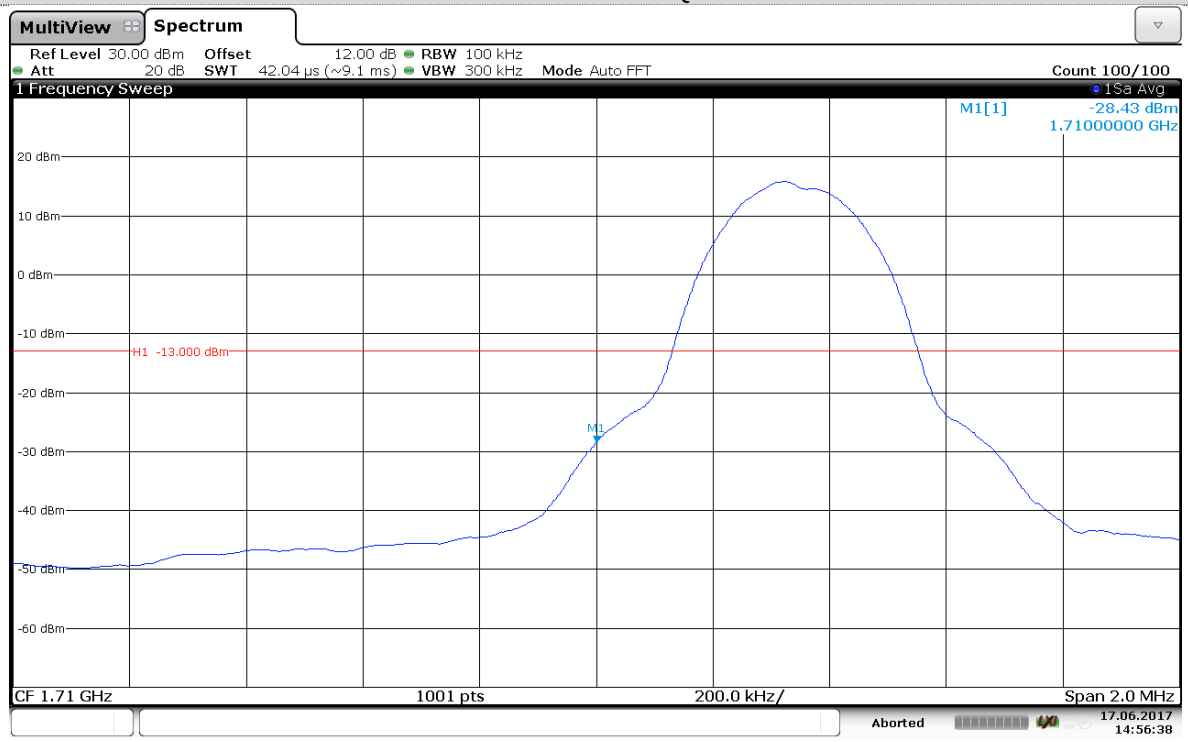


Channel Low-Full RB#

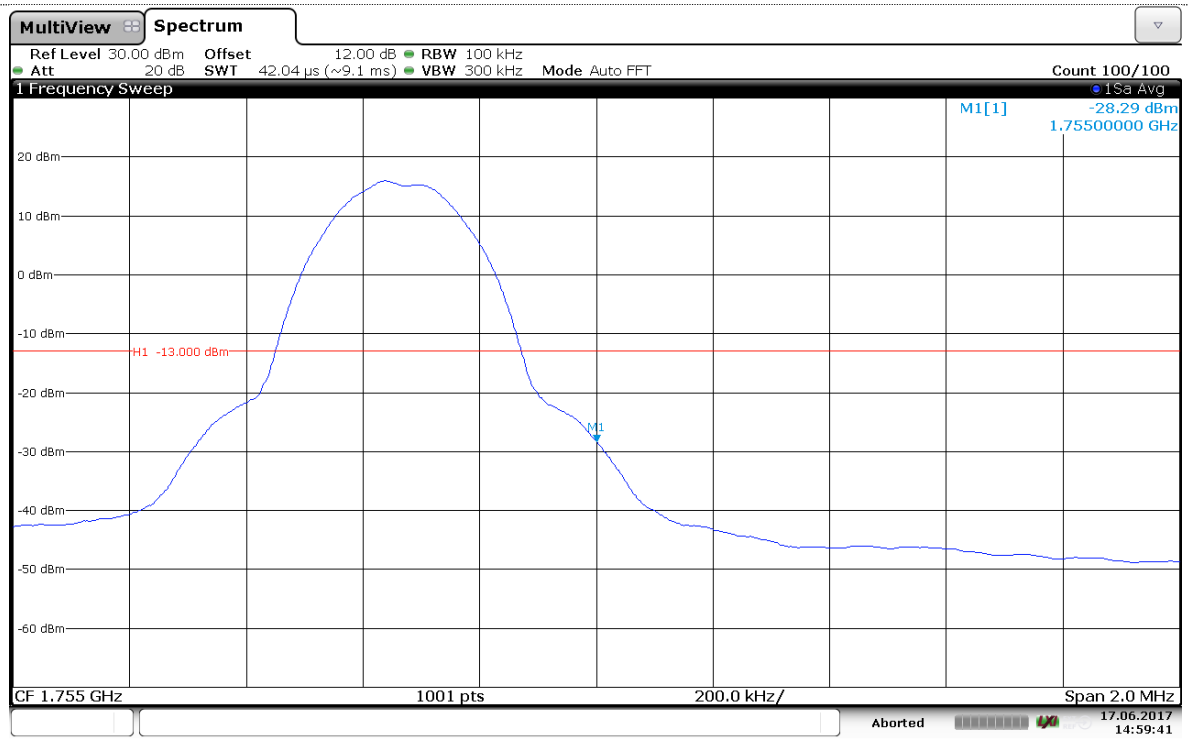


Channel High-Full RB#

LTE Band 4-5MHz-QPSK

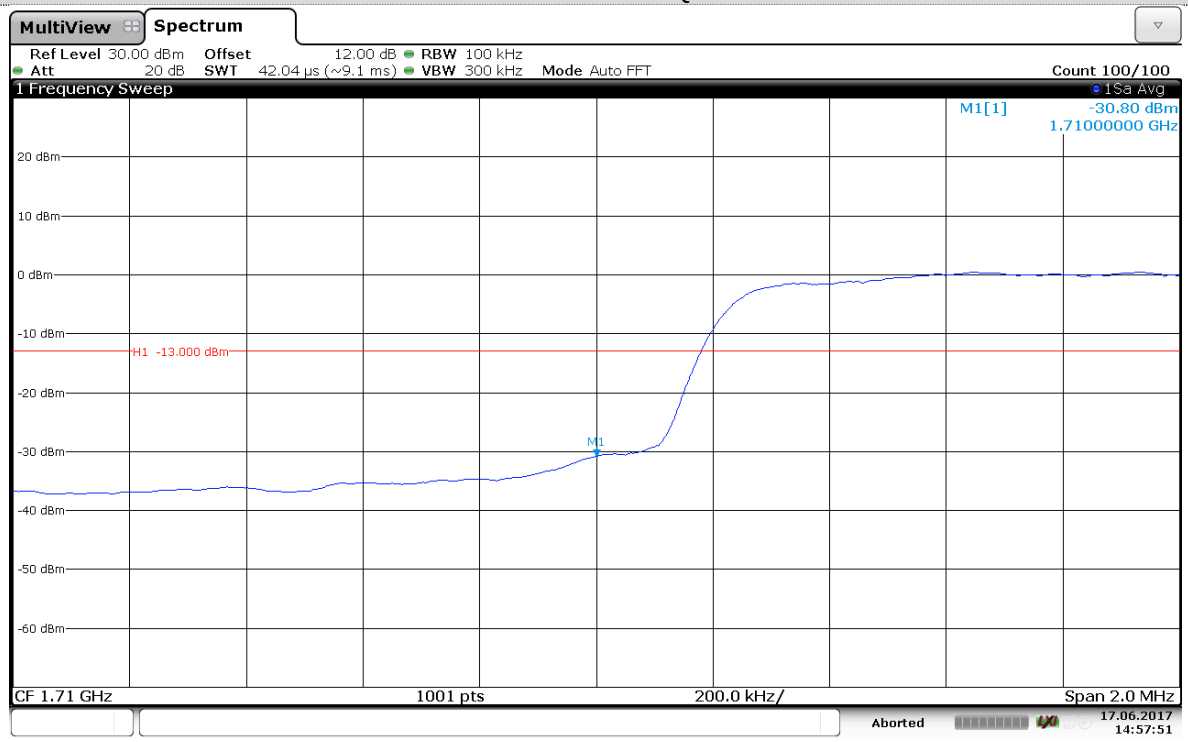


Channel Low-1RB#

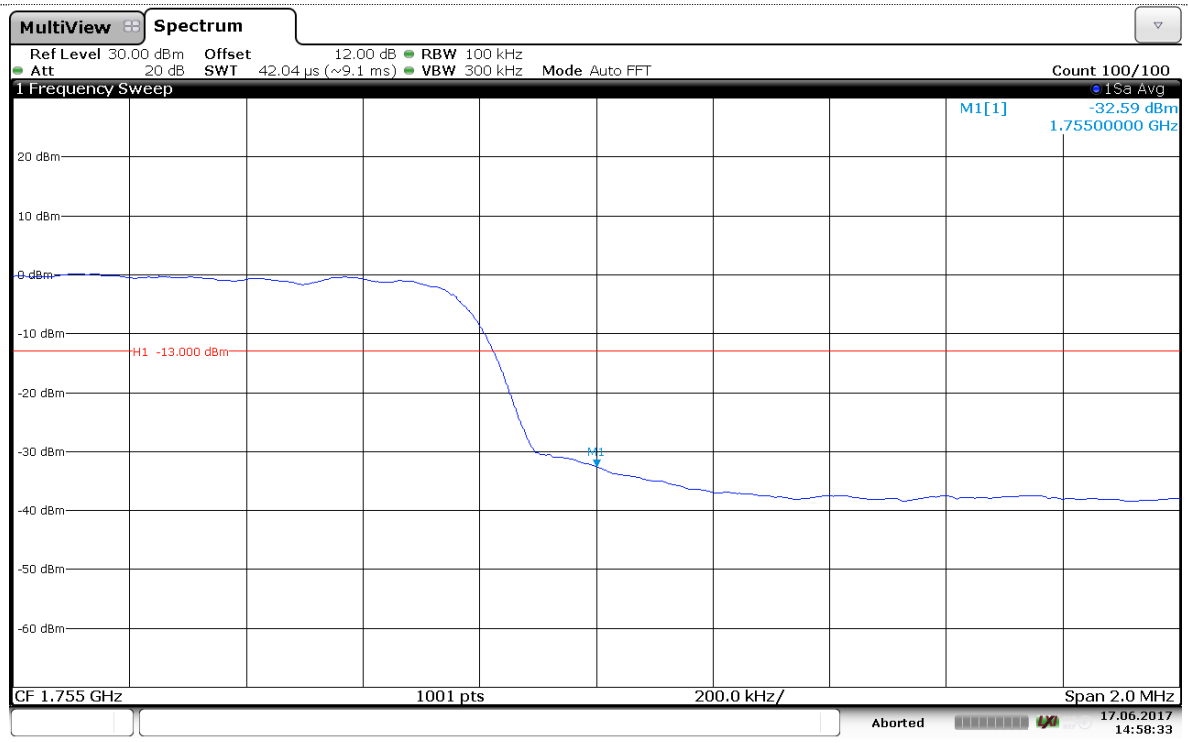


Channel High-1RB#

LTE Band 4-5MHz-QPSK

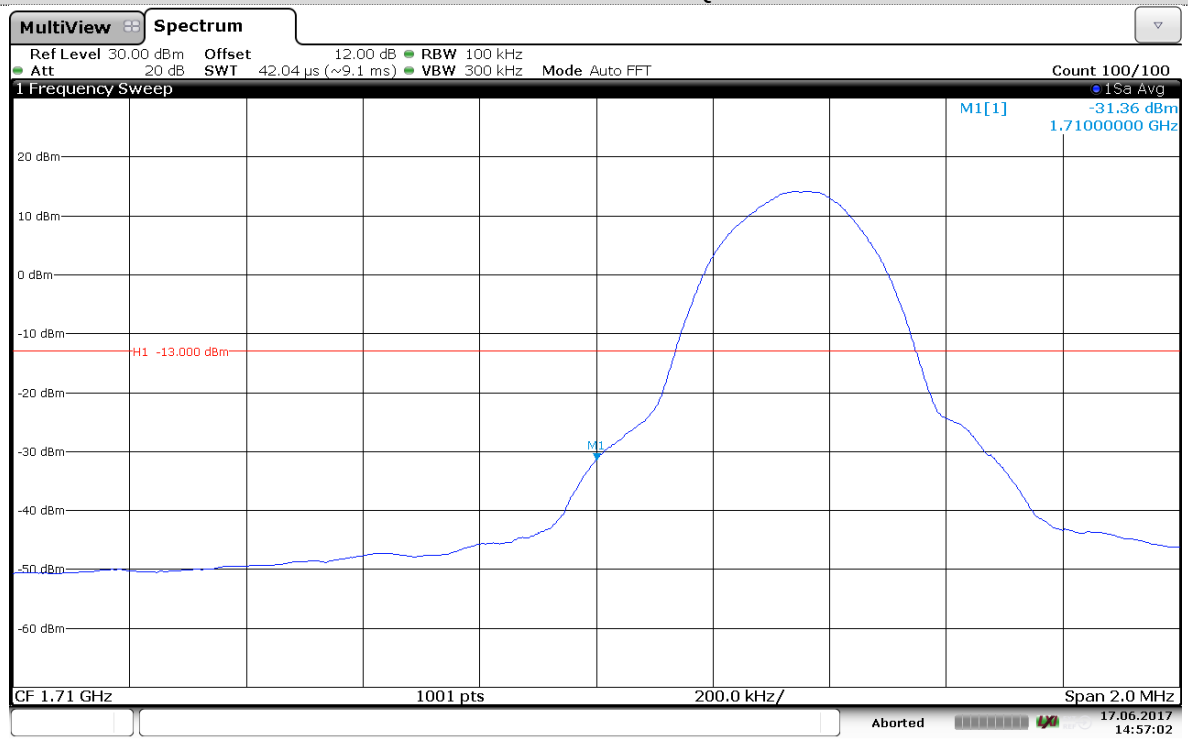


Channel Low-Full RB#

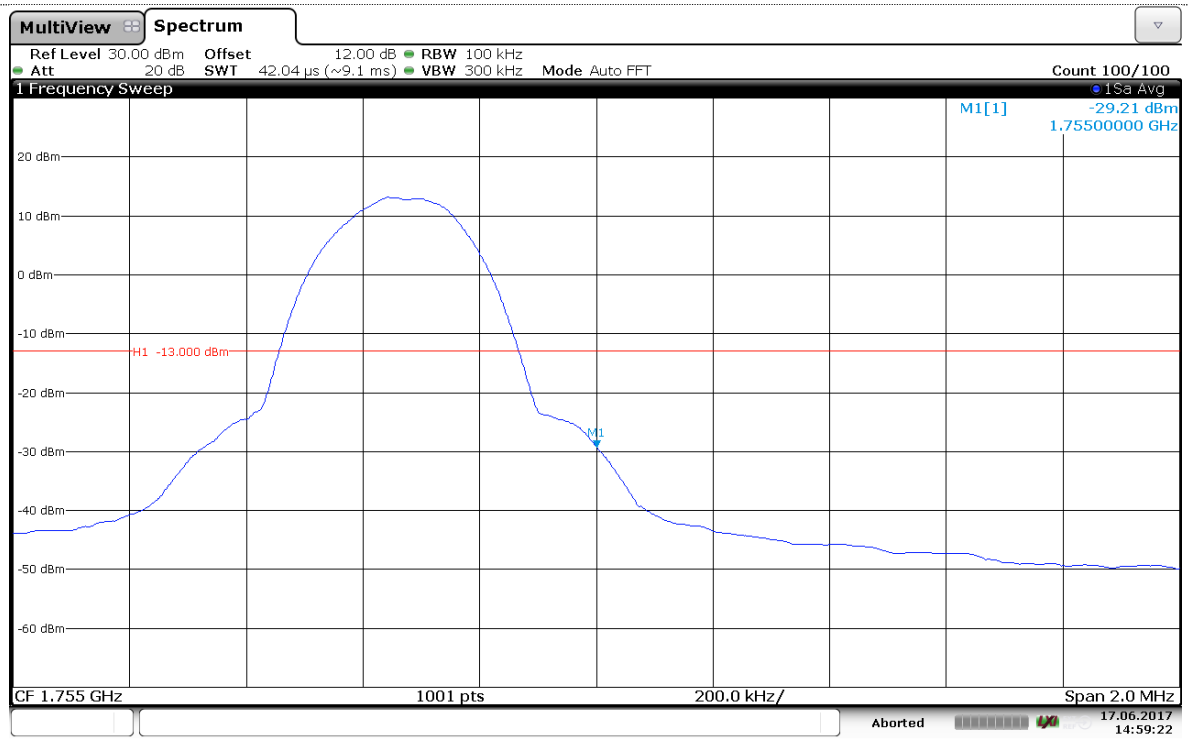


Channel High-Full RB#

LTE Band 4-5MHz-16QAM

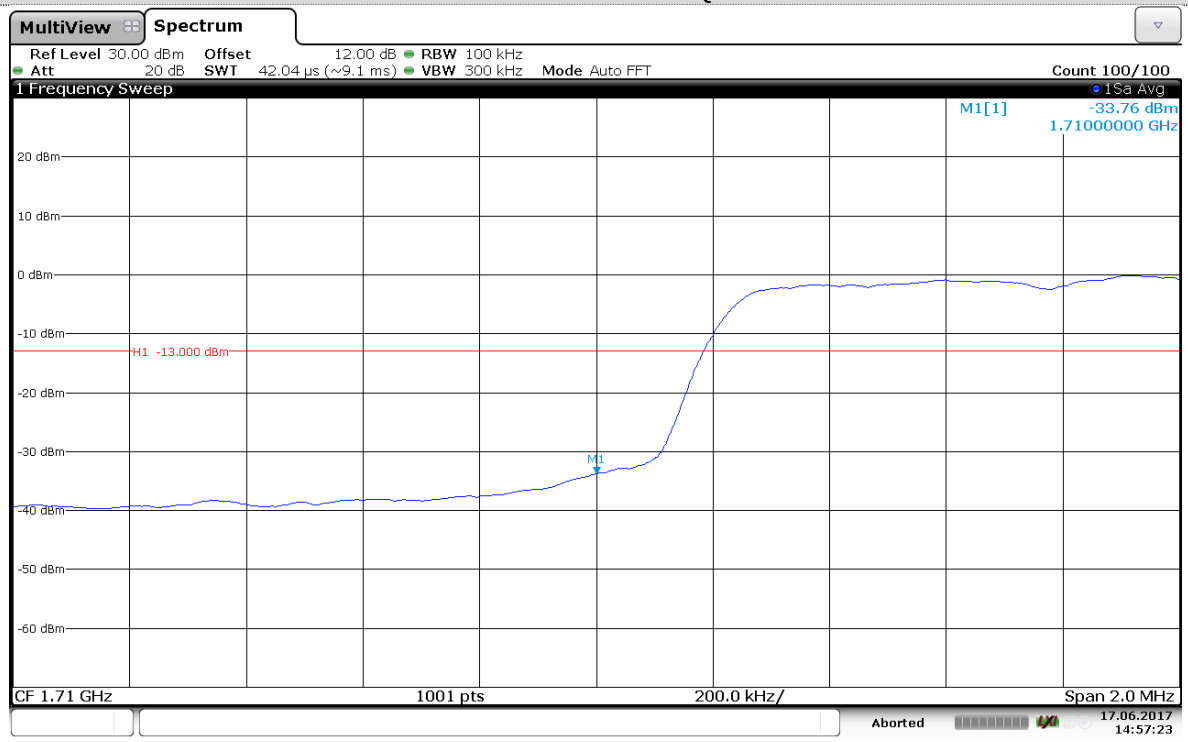


Channel Low-1RB#

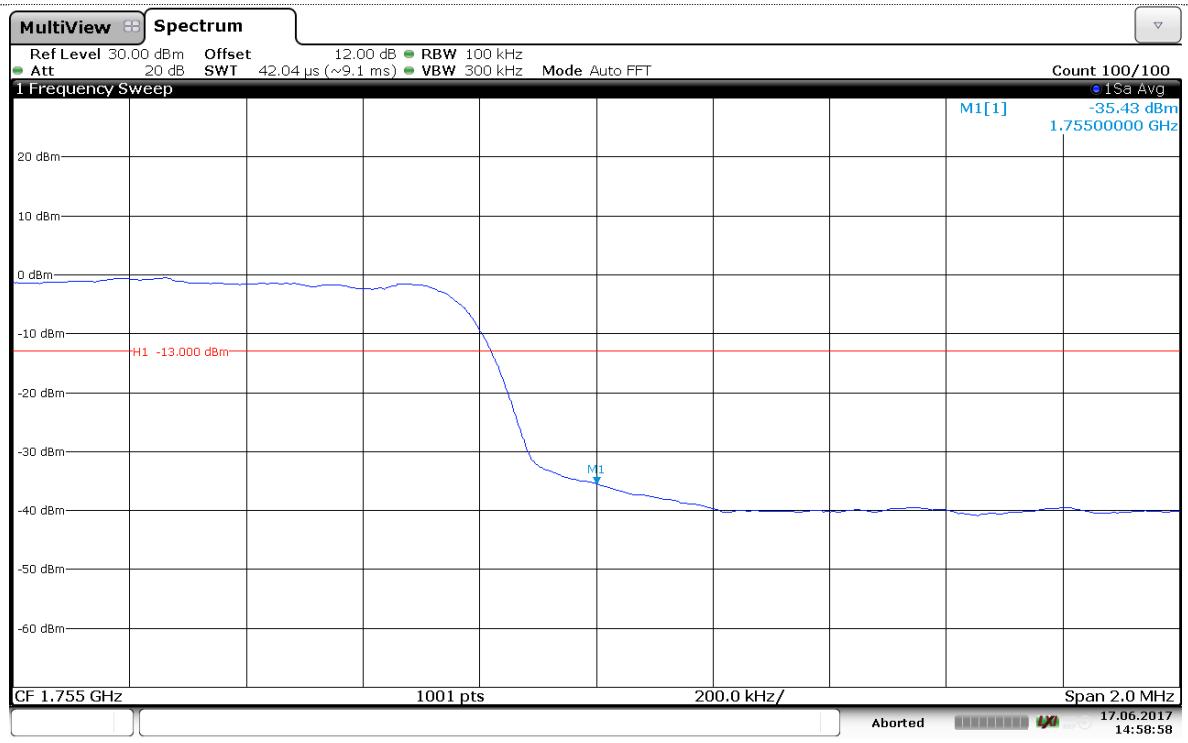


Channel High-1RB#

LTE Band 4-5MHz-16QAM

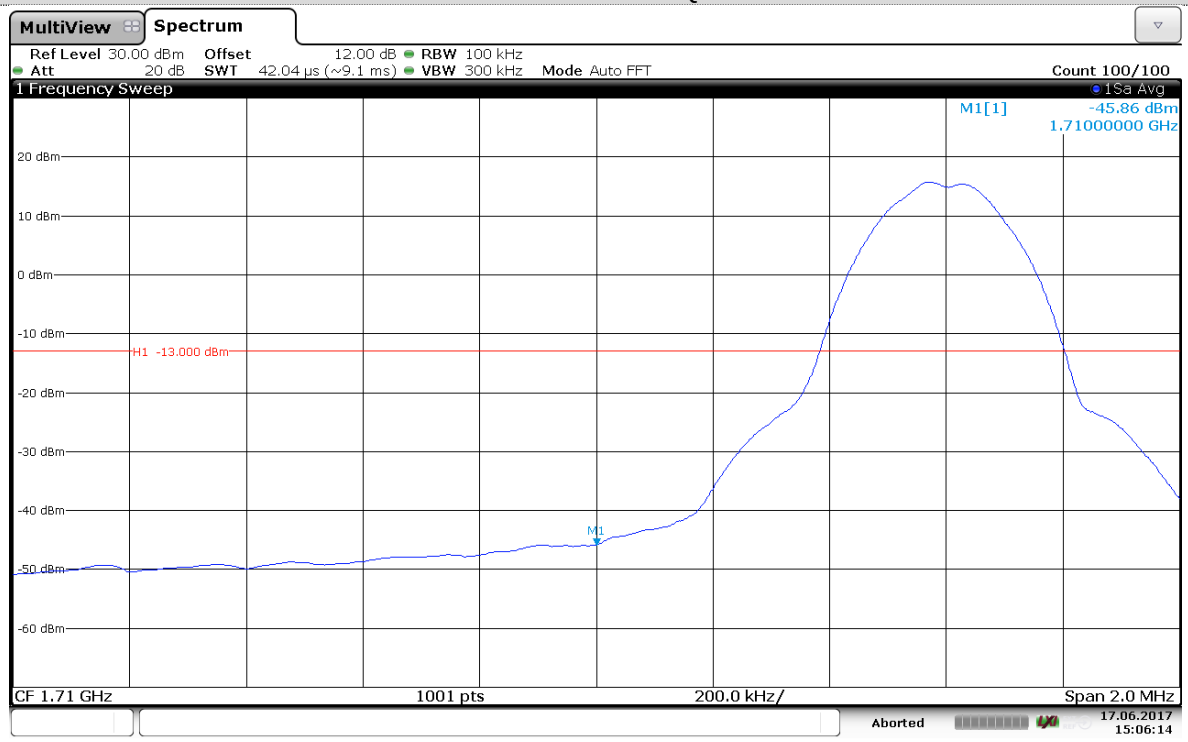


Channel Low-Full RB#

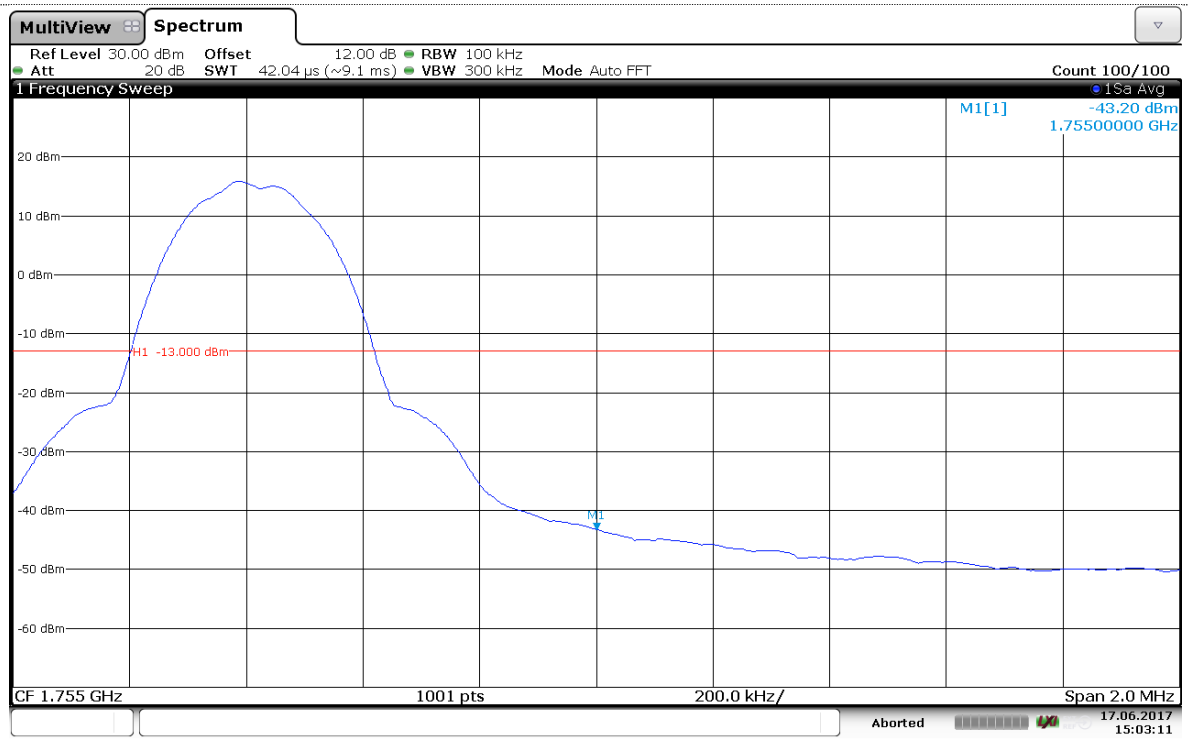


Channel High-Full RB#

LTE Band 4-10MHz-QPSK

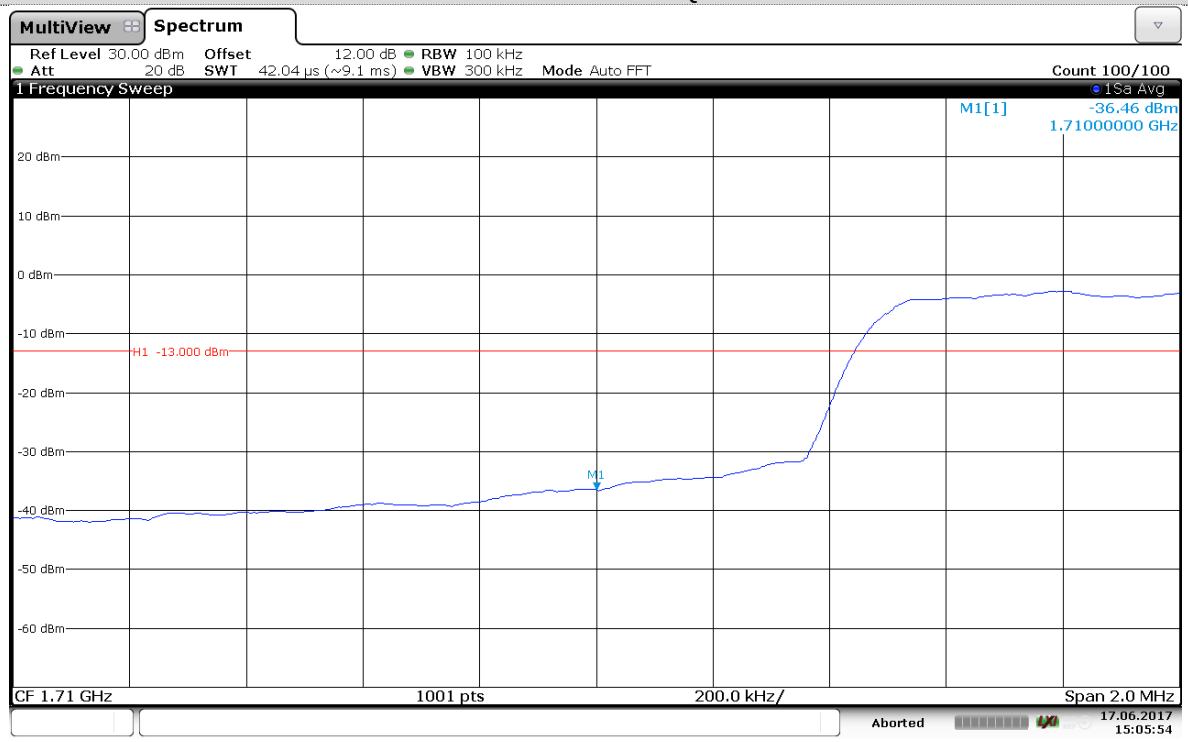


Channel Low-1RB#

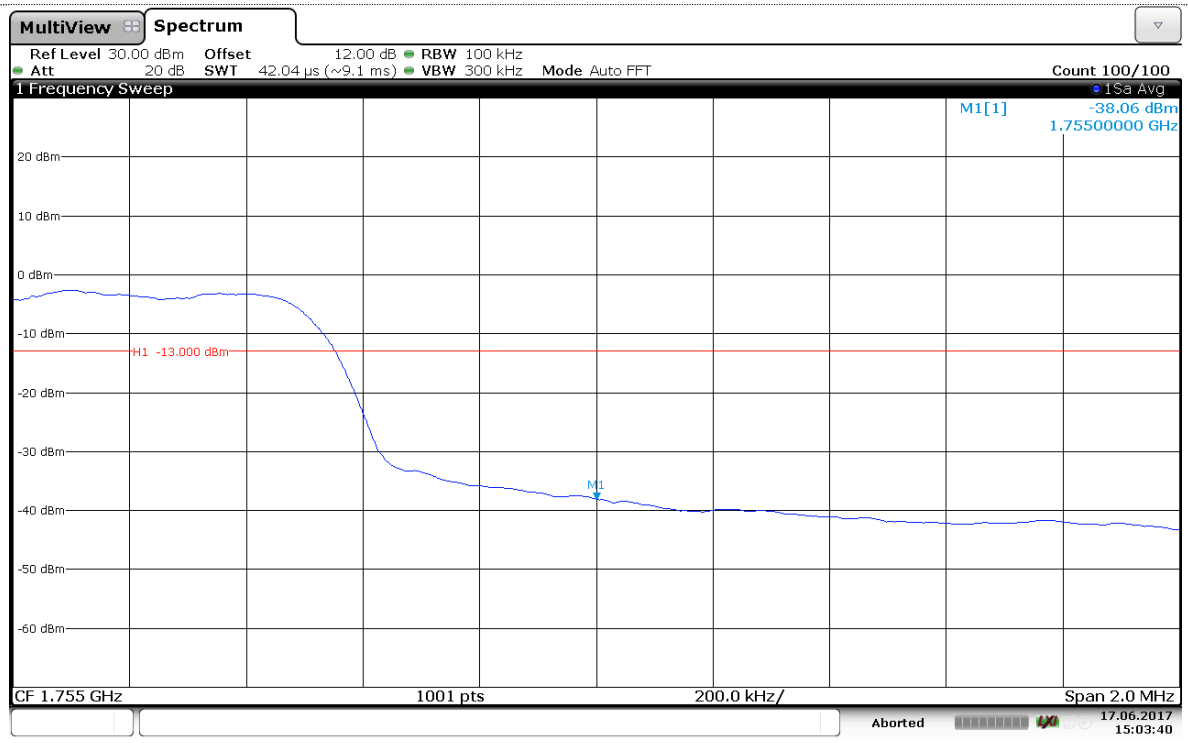


Channel High-1RB#

LTE Band 4-10MHz-QPSK

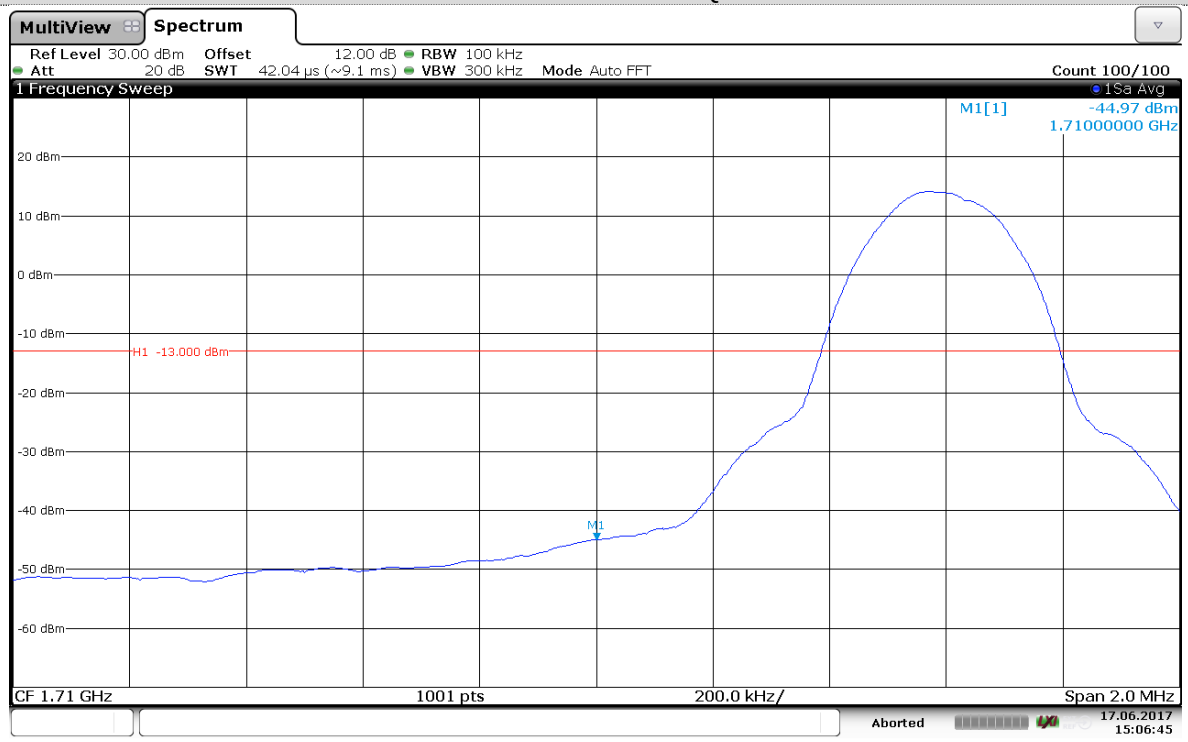


Channel Low-Full RB#

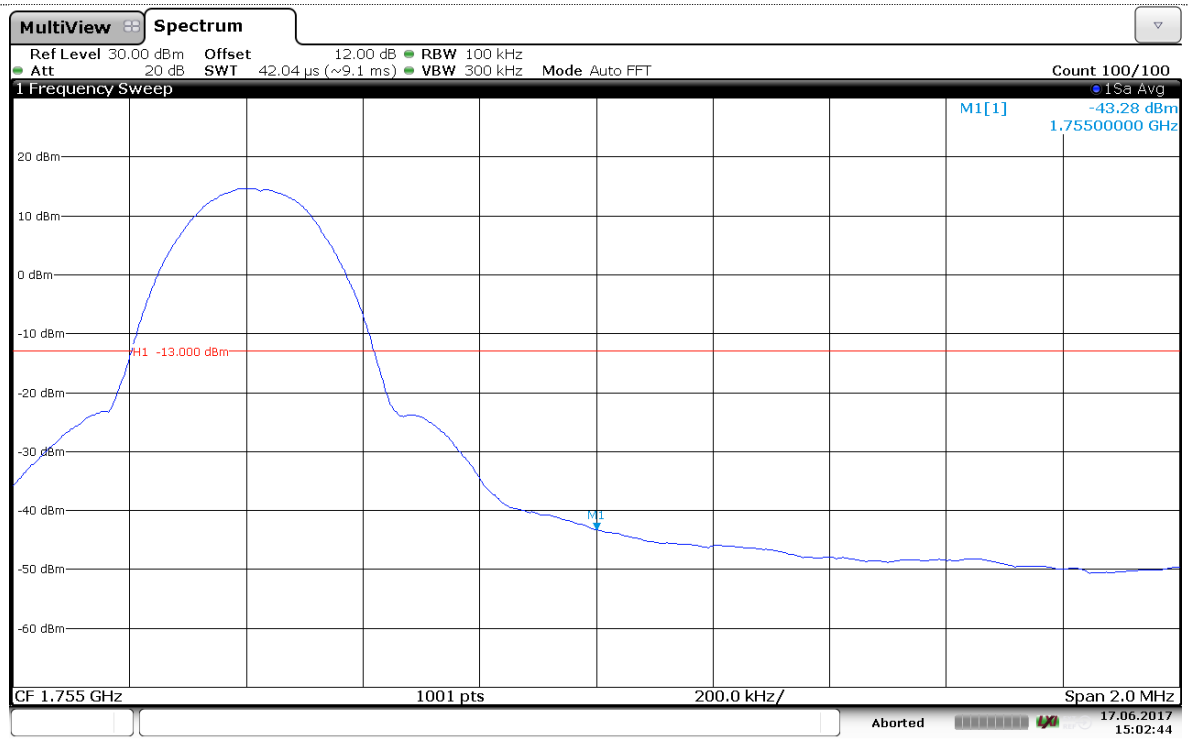


Channel High-Full RB#

LTE Band 4-10MHz-16QAM

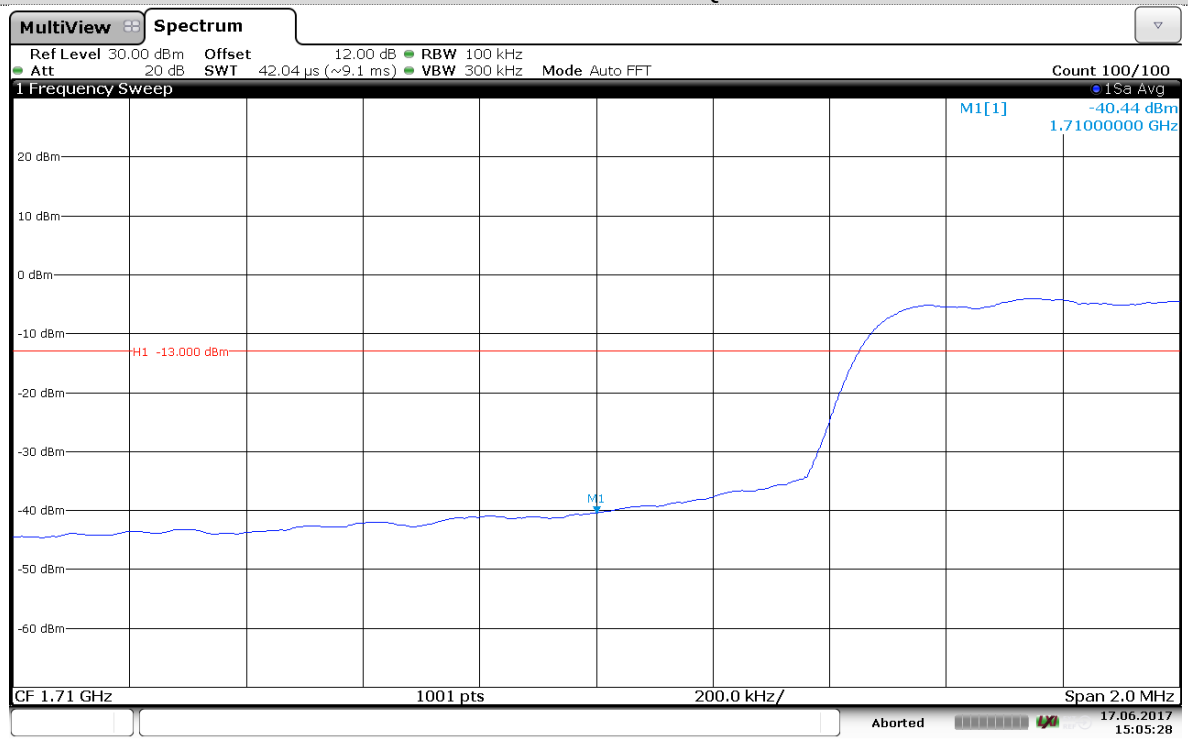


Channel Low-1RB#

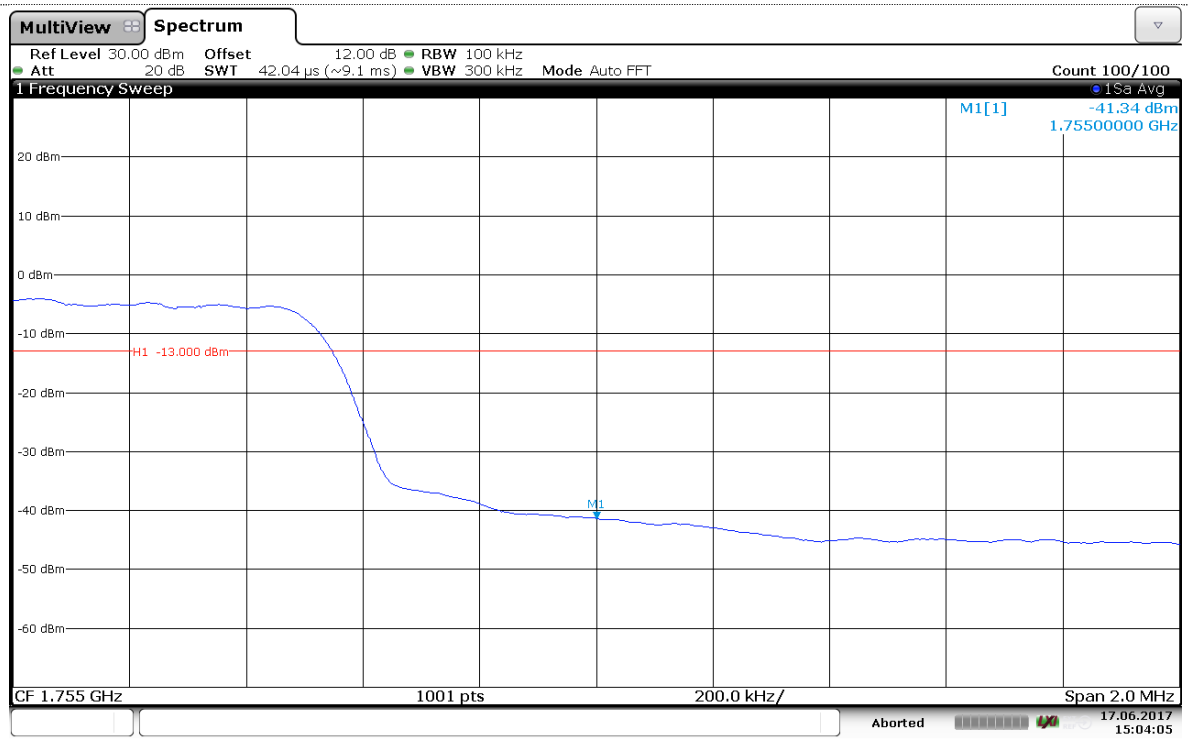


Channel High-1RB#

LTE Band 4-10MHz-16QAM

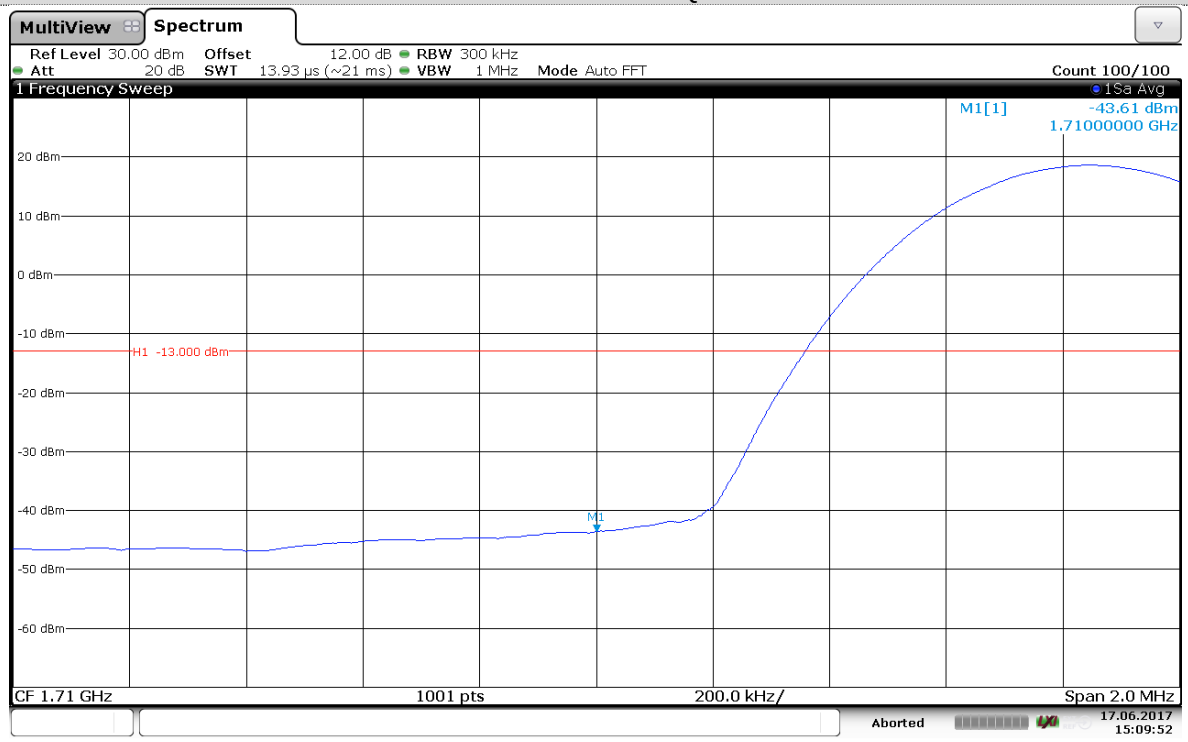


Channel Low-Full RB#

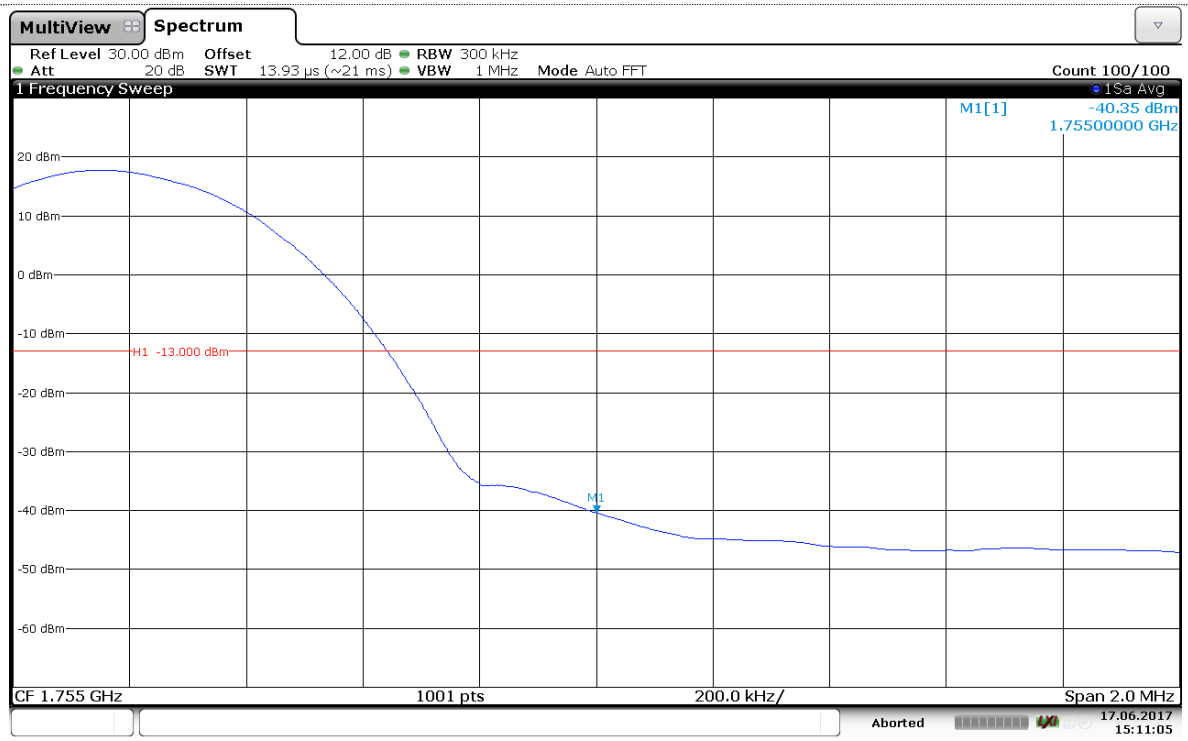


Channel High-Full RB#

LTE Band 4-15MHz-QPSK

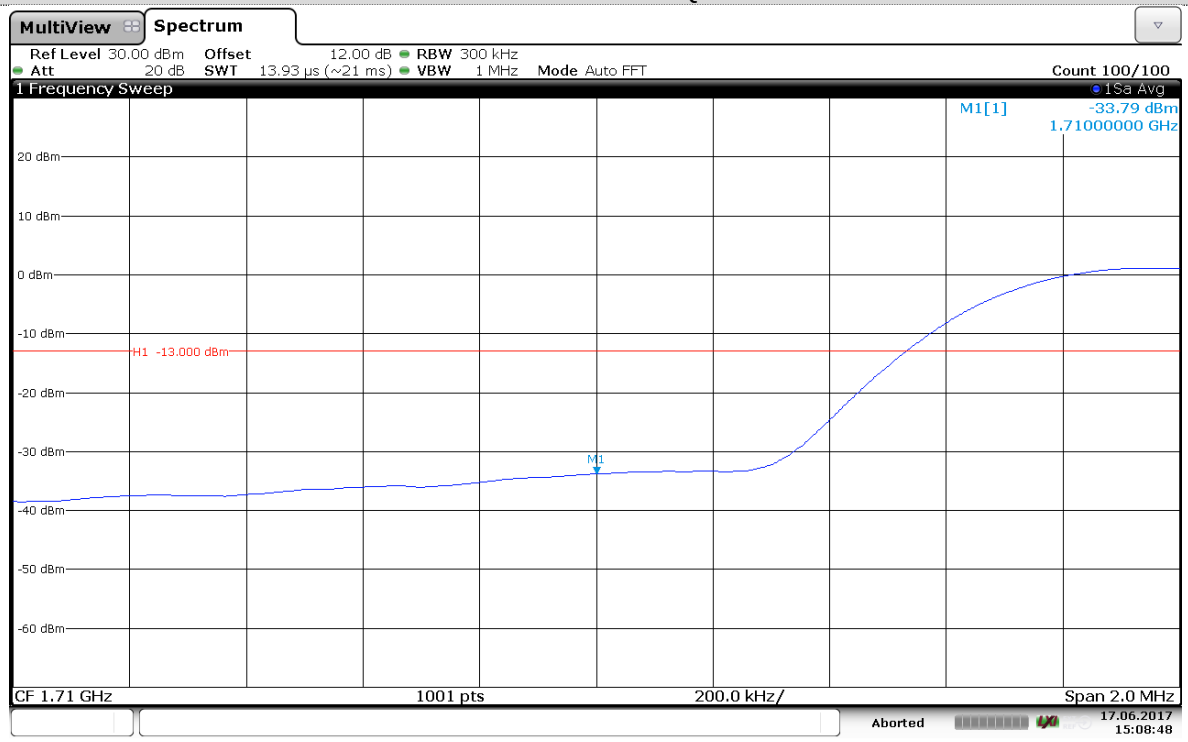


Channel Low-1RB#

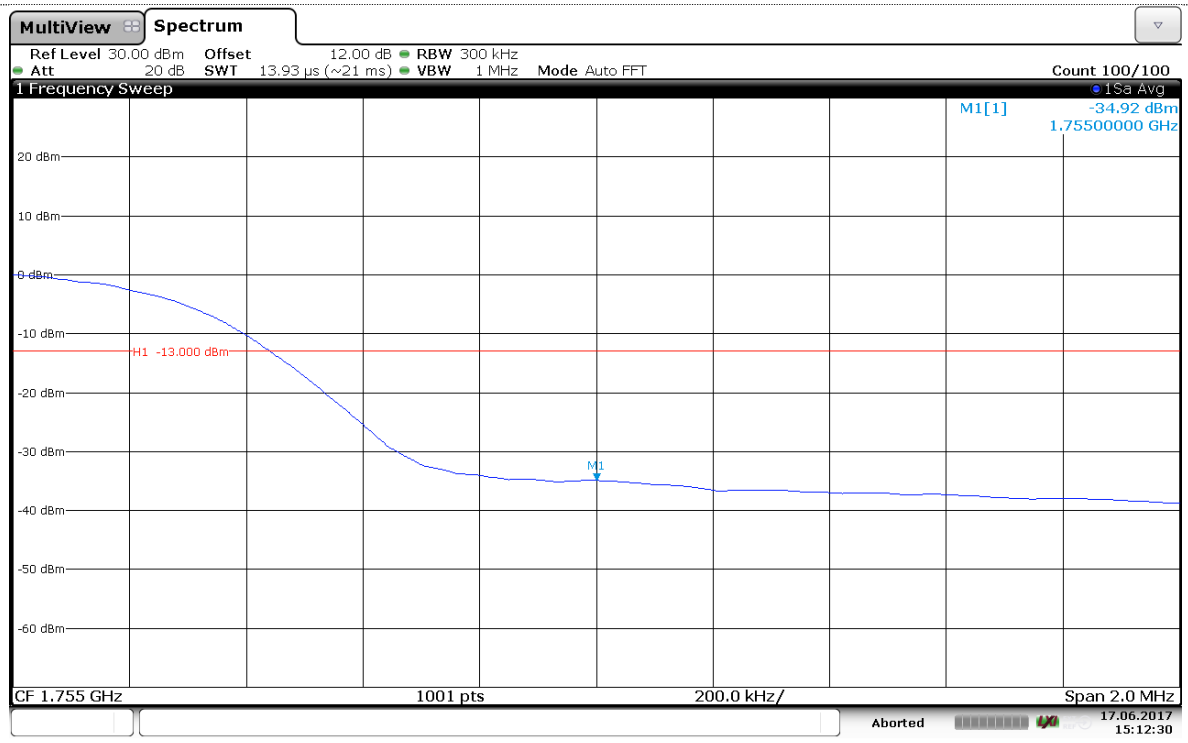


Channel High-1RB#

LTE Band 4-15MHz-QPSK

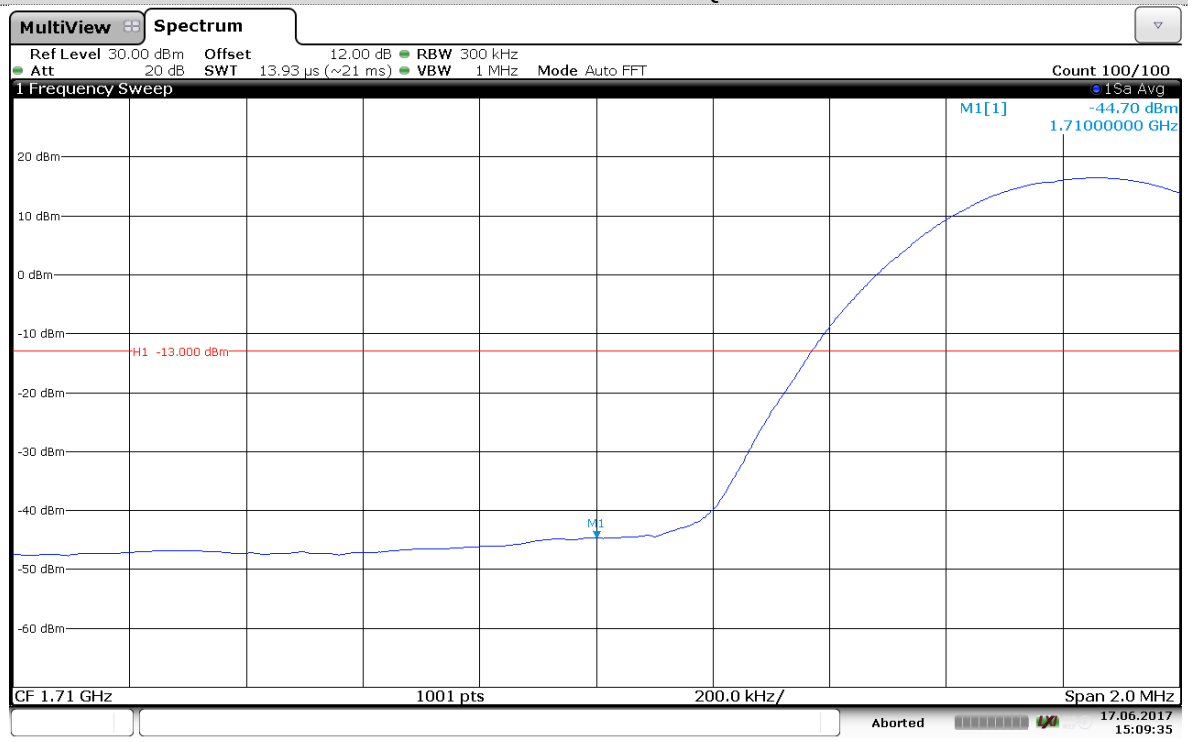


Channel Low-Full RB#

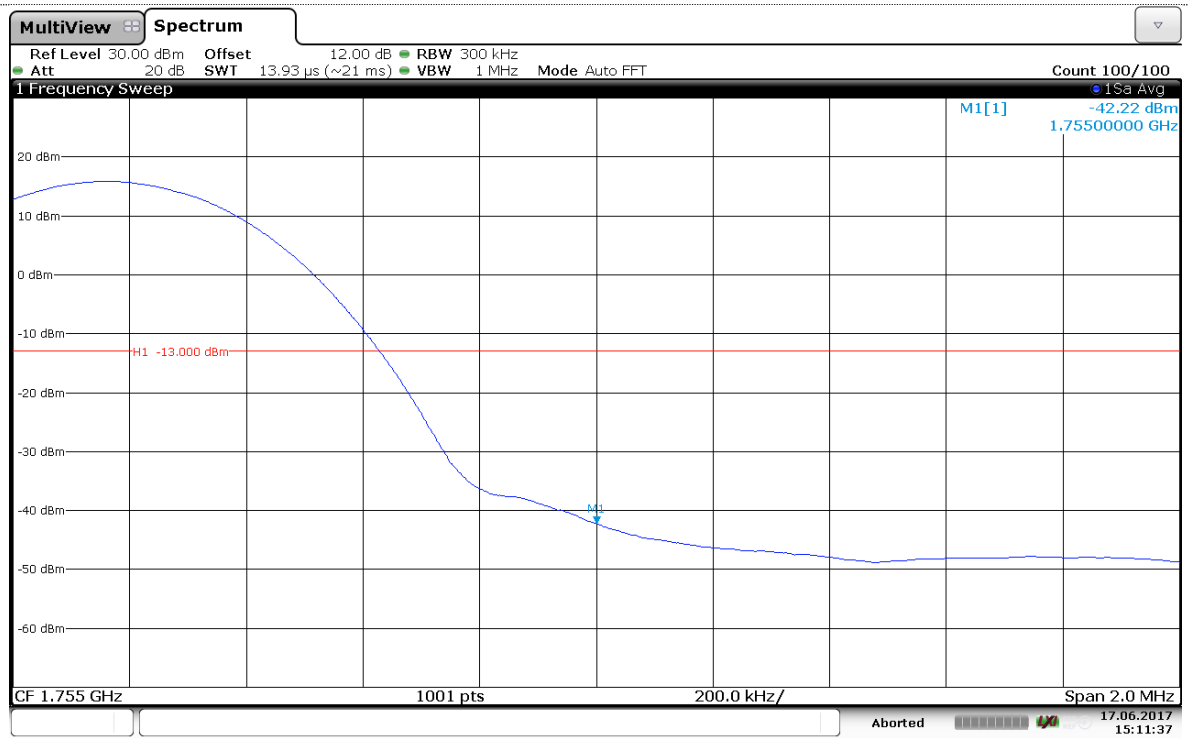


Channel High-Full RB#

LTE Band 4-15MHz-16QAM

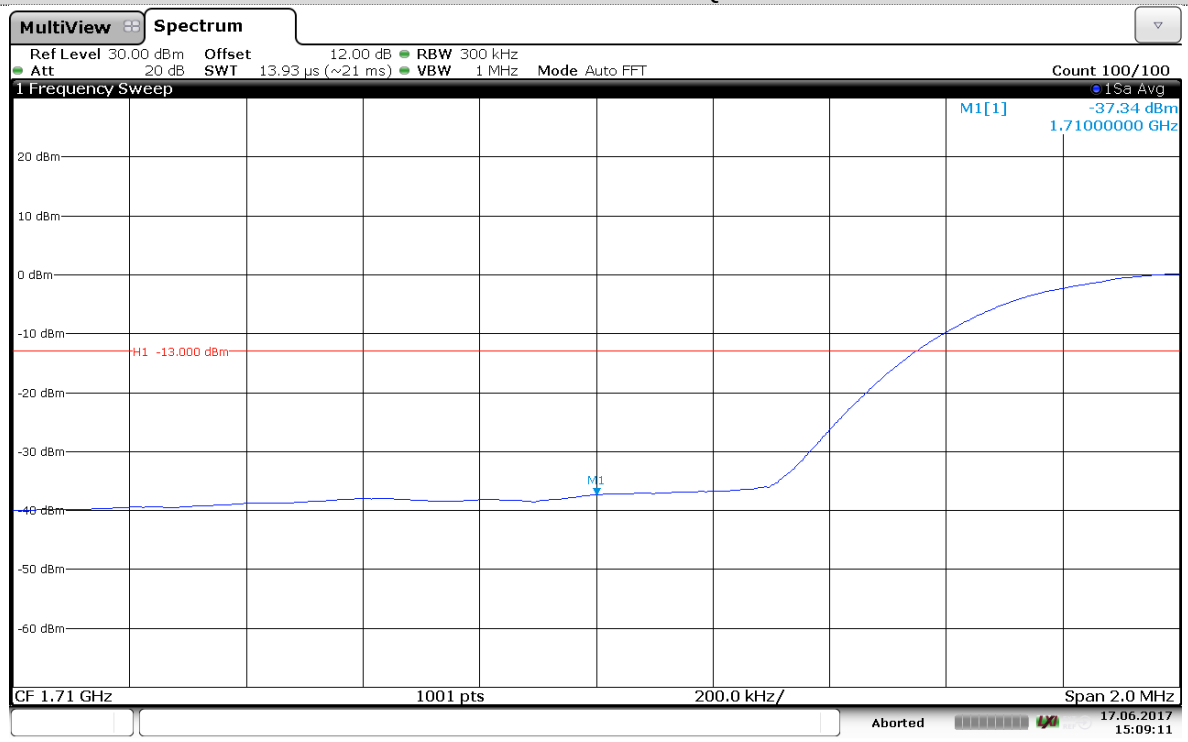


Channel Low-1RB#

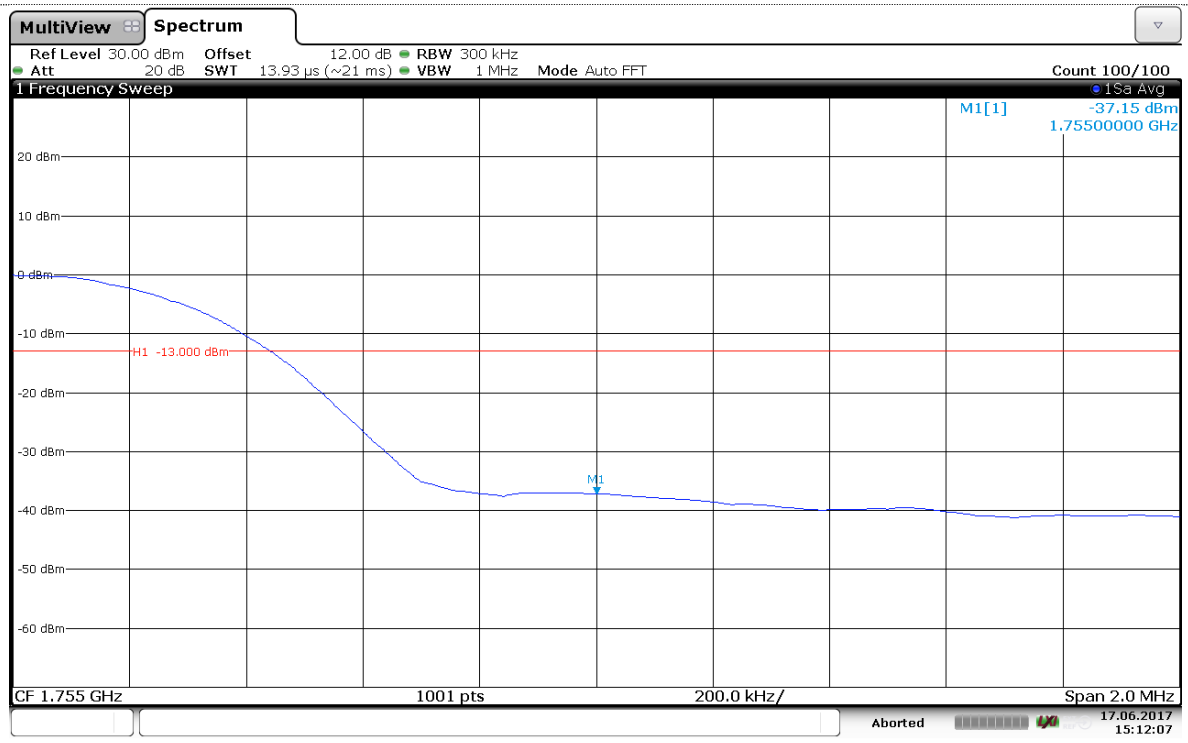


Channel High-1RB#

LTE Band 4-15MHz-16QAM

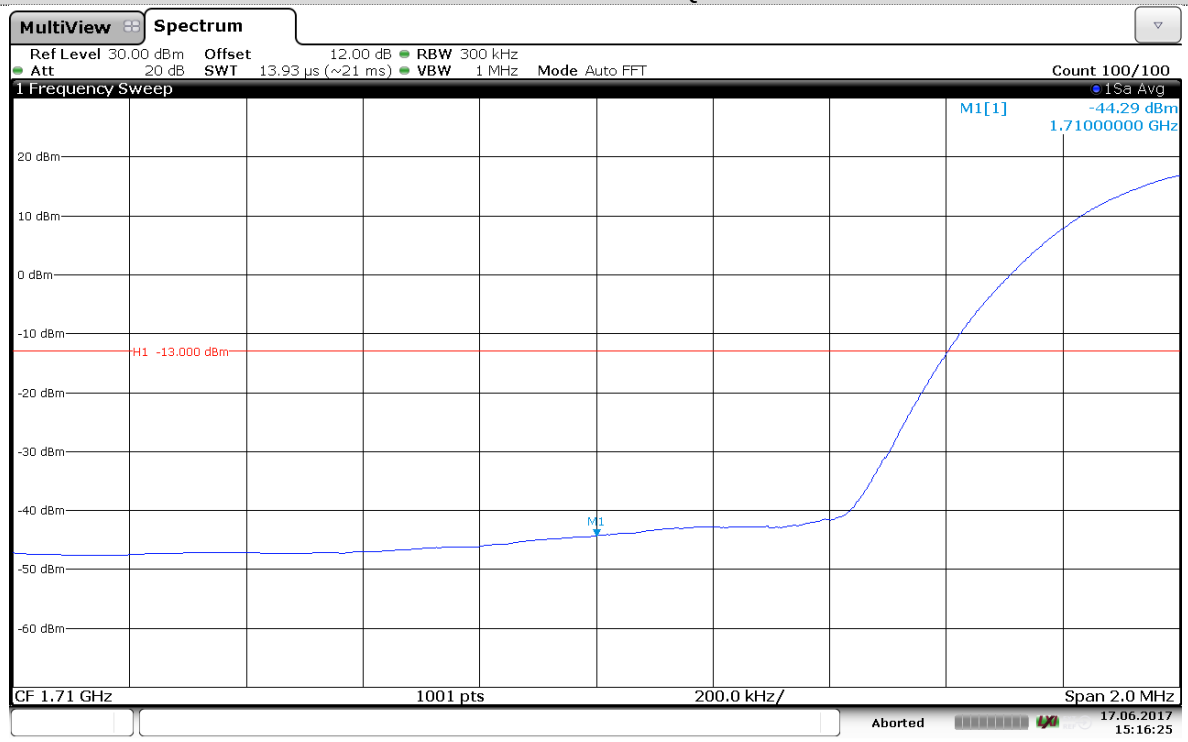


Channel Low-Full RB#



Channel High-Full RB#

LTE Band 4-20MHz-QPSK



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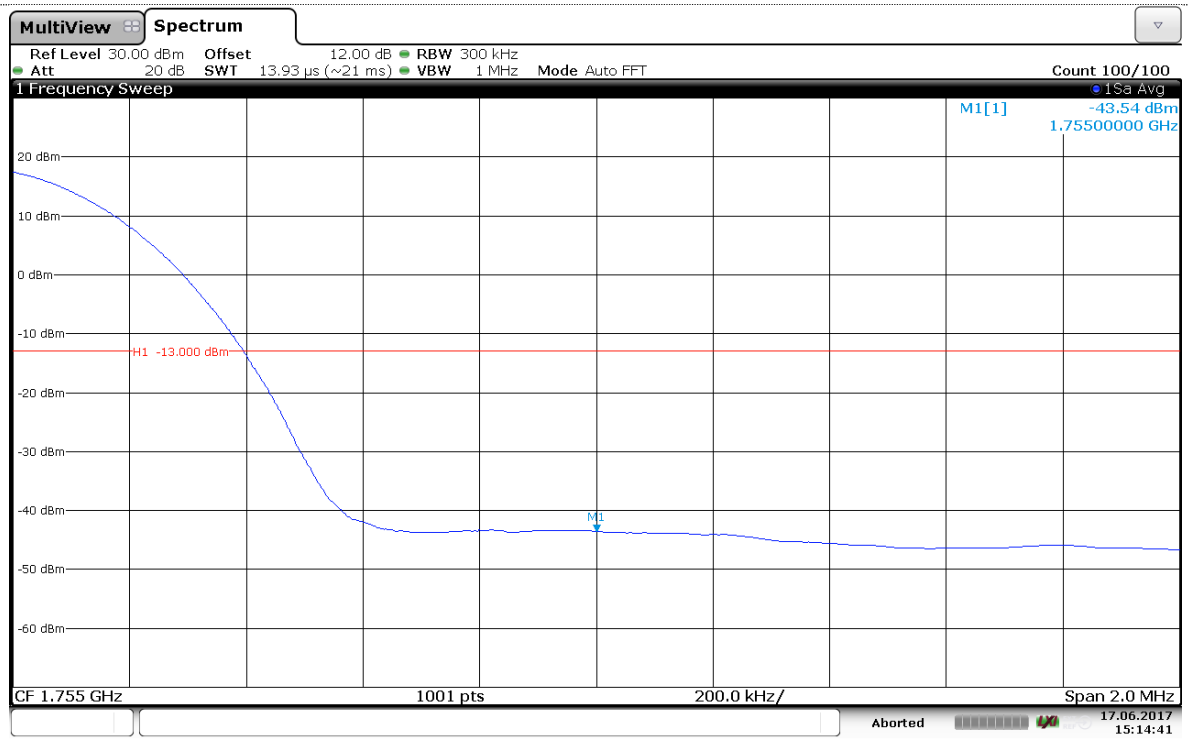
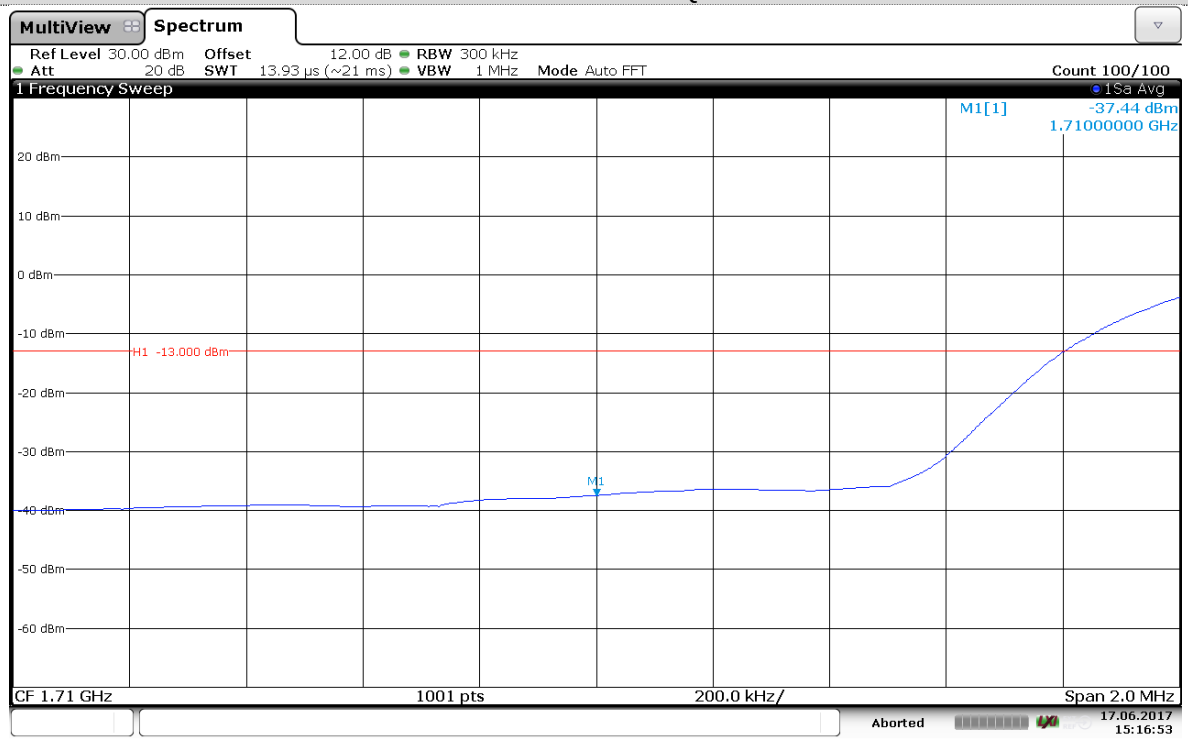
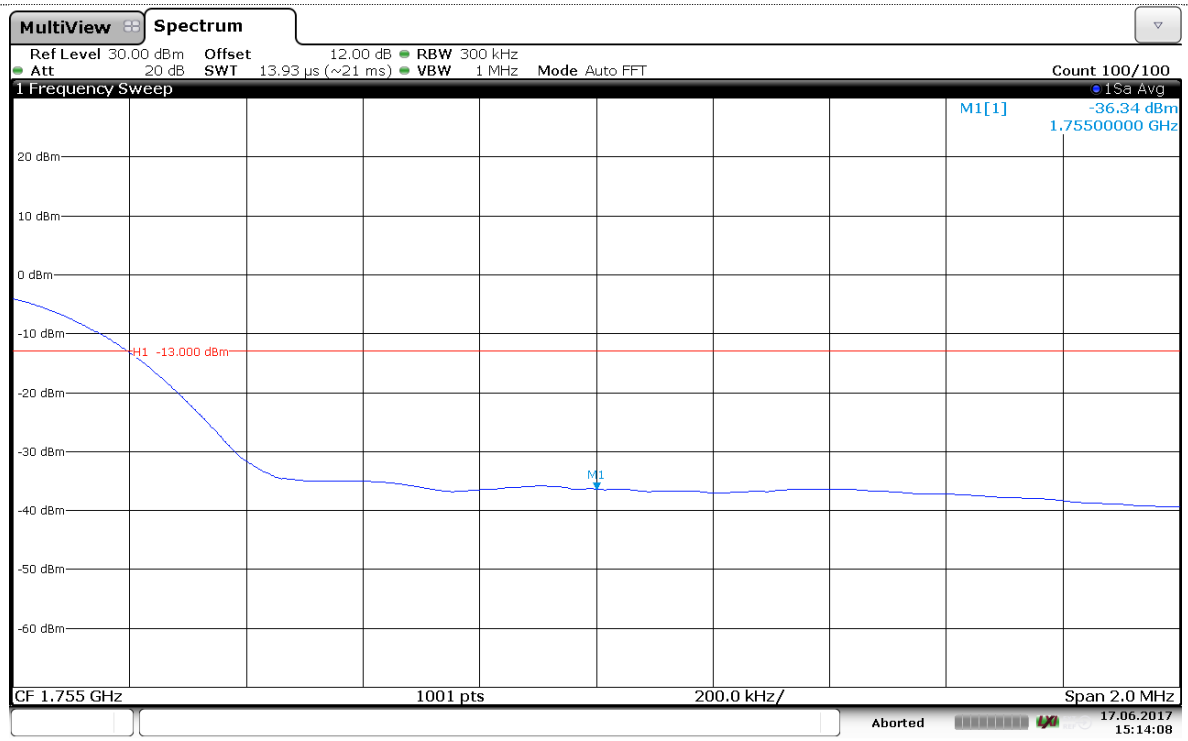


Channel High-1RB#

LTE Band 4-20MHz-QPSK

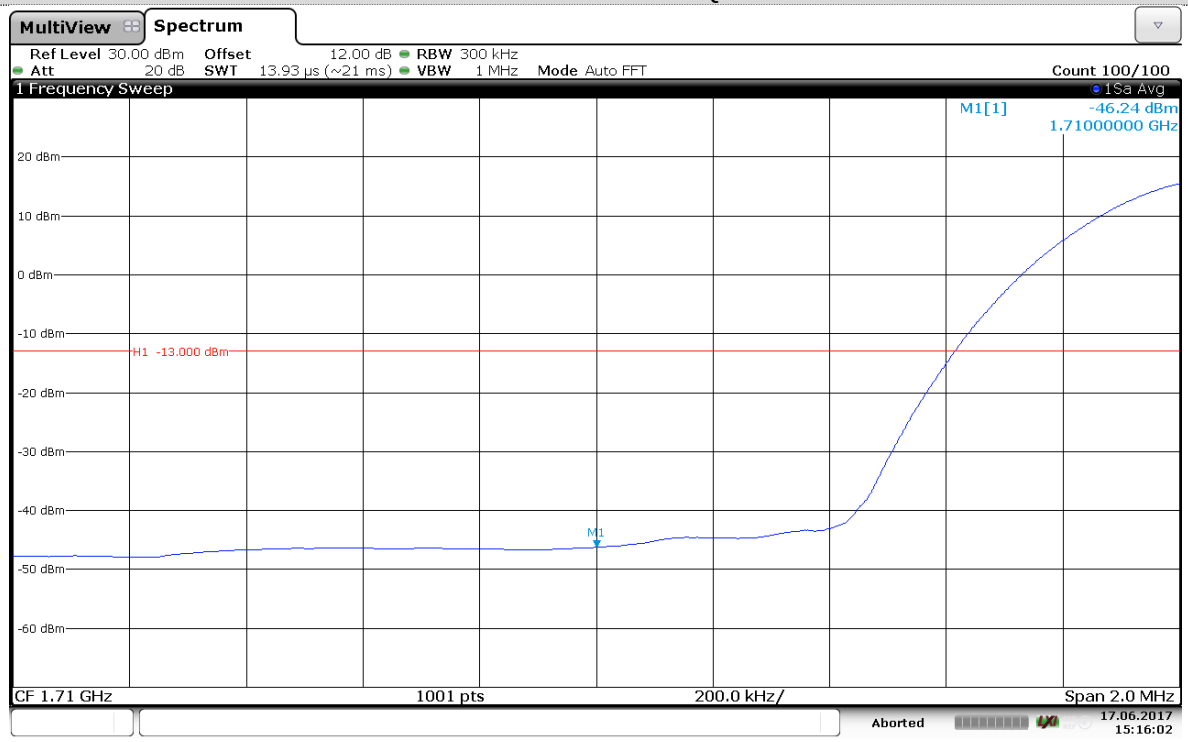


Channel Low-Full RB#

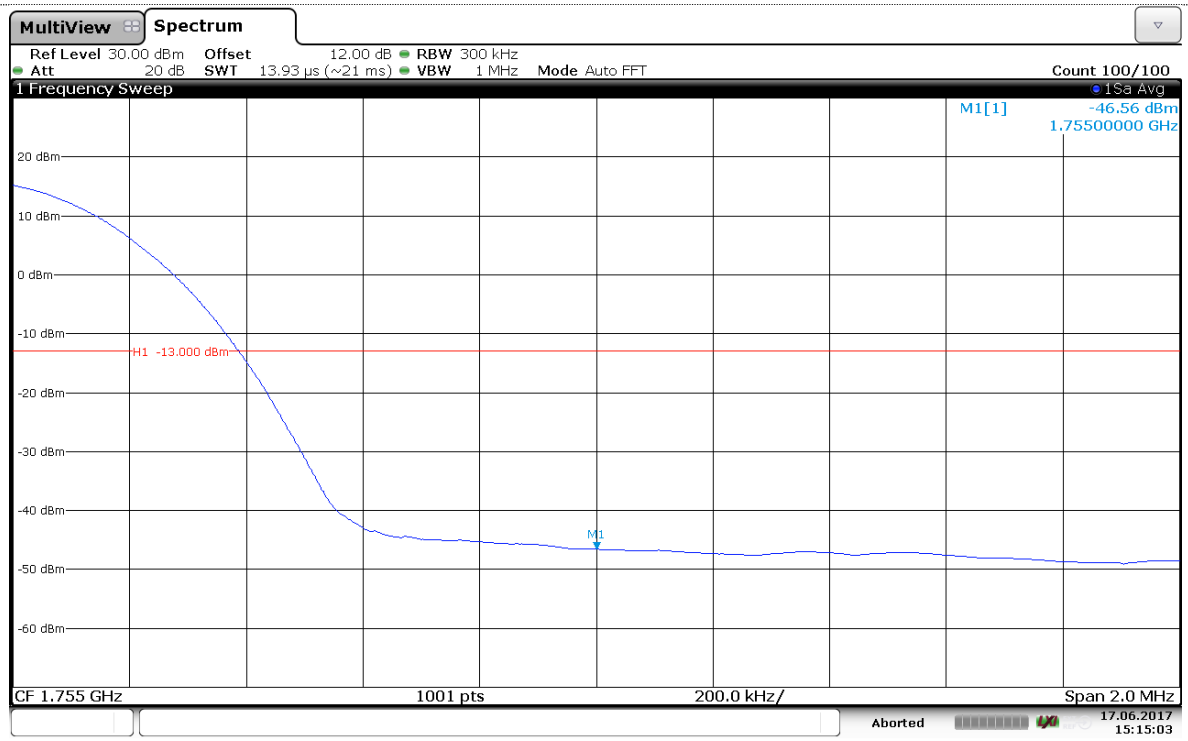


Channel High-Full RB#

LTE Band 4-20MHz-16QAM

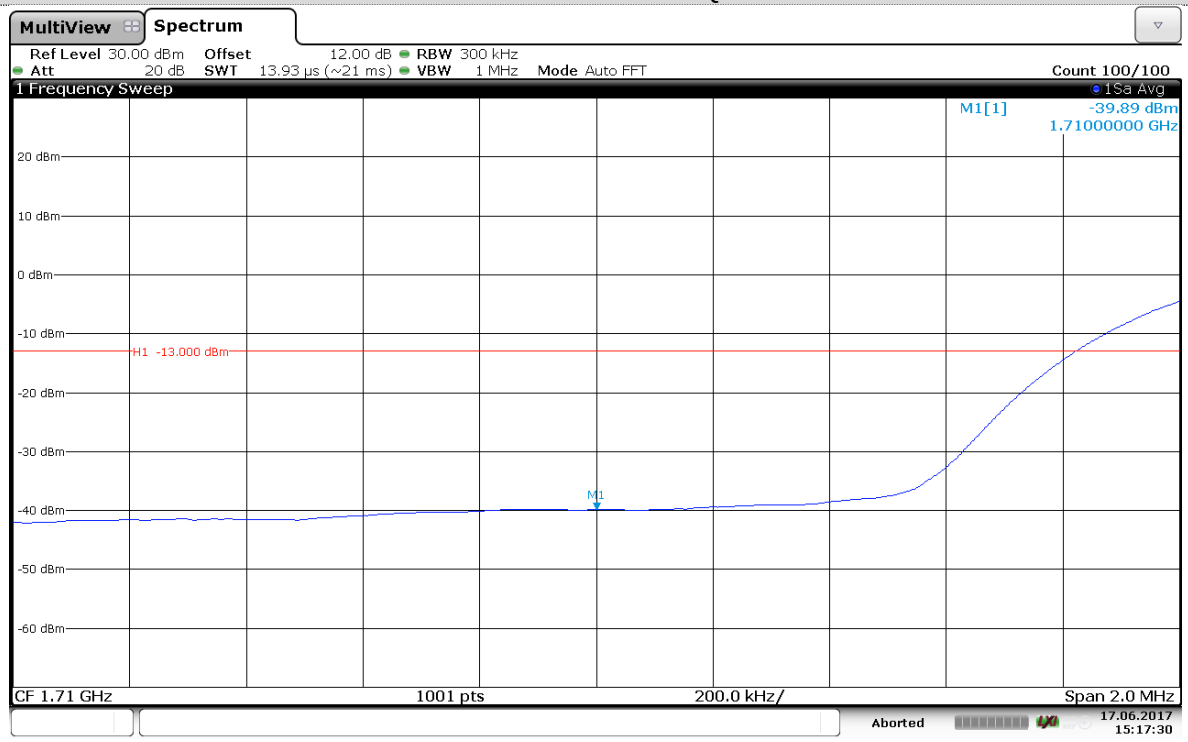


Channel Low-1RB#

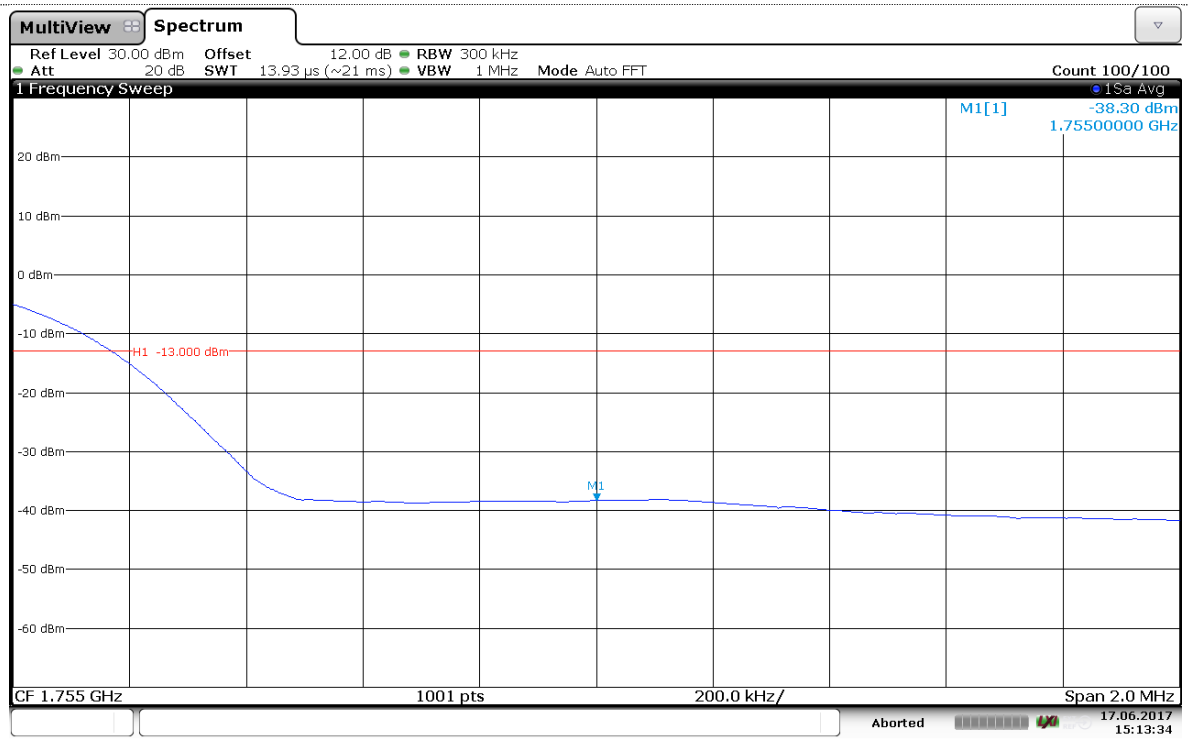


Channel High-1RB#

LTE Band 4-20MHz-16QAM

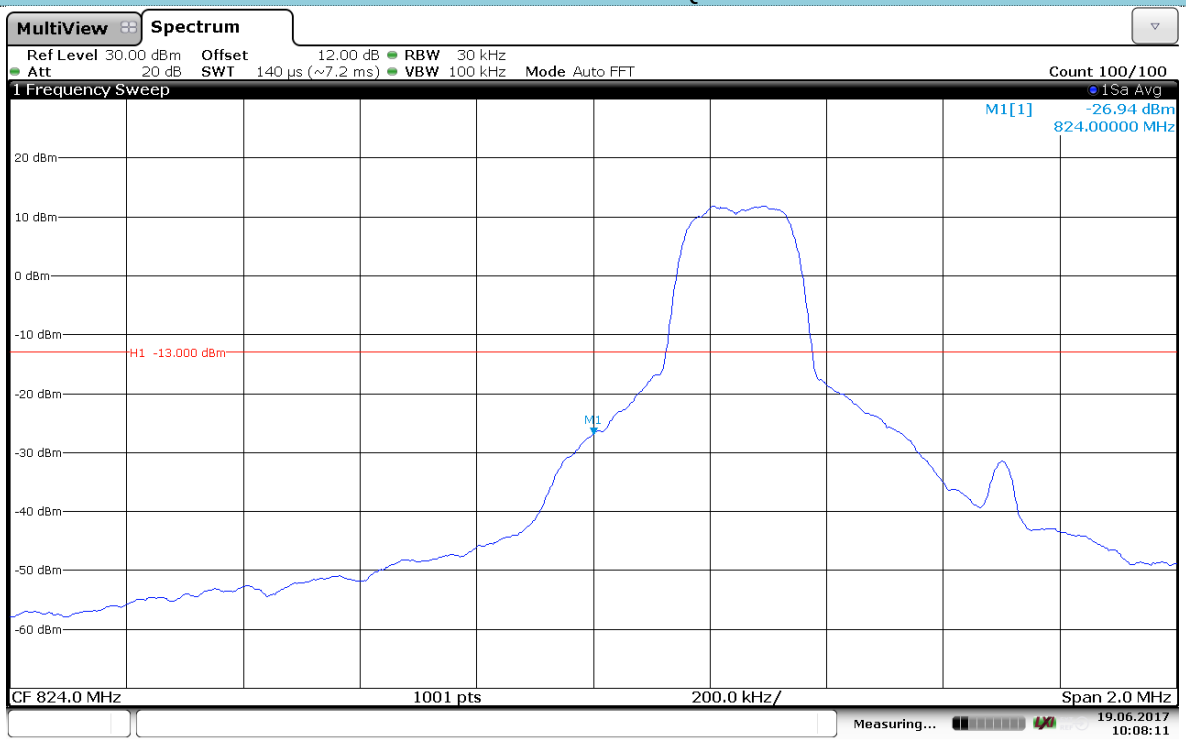


Channel Low-Full RB#

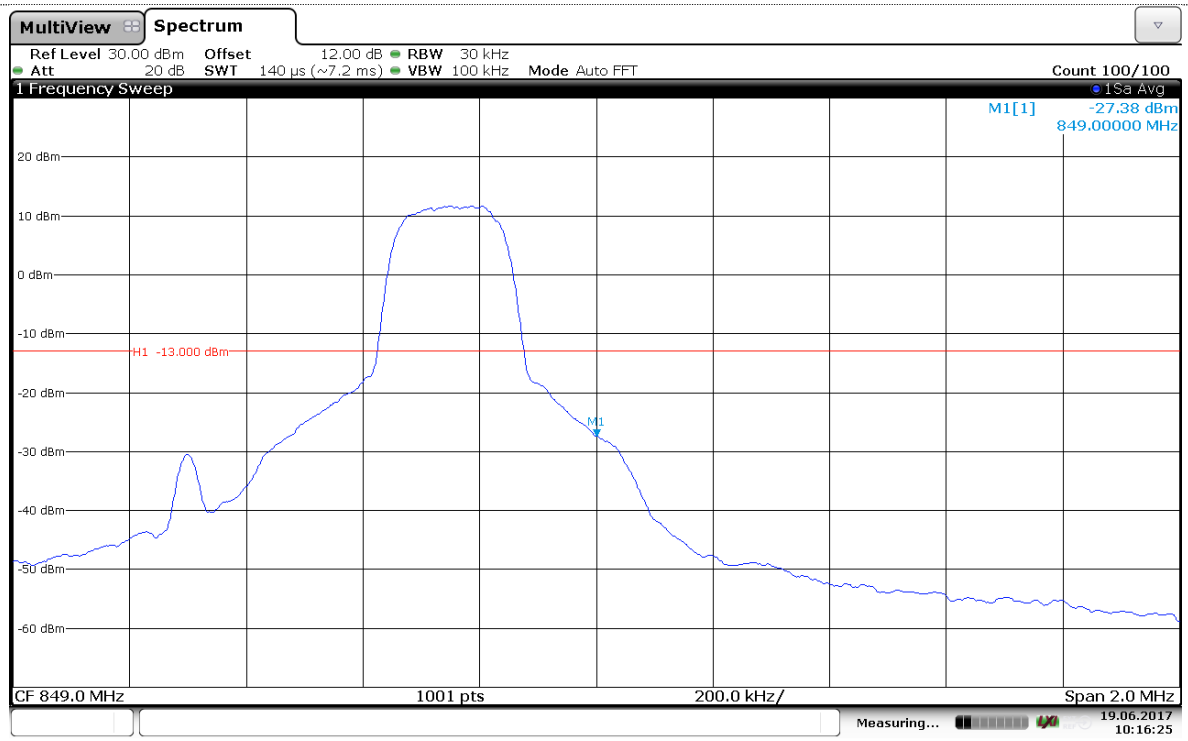


Channel High-Full RB#

LTE Band 5-1.4MHz-QPSK

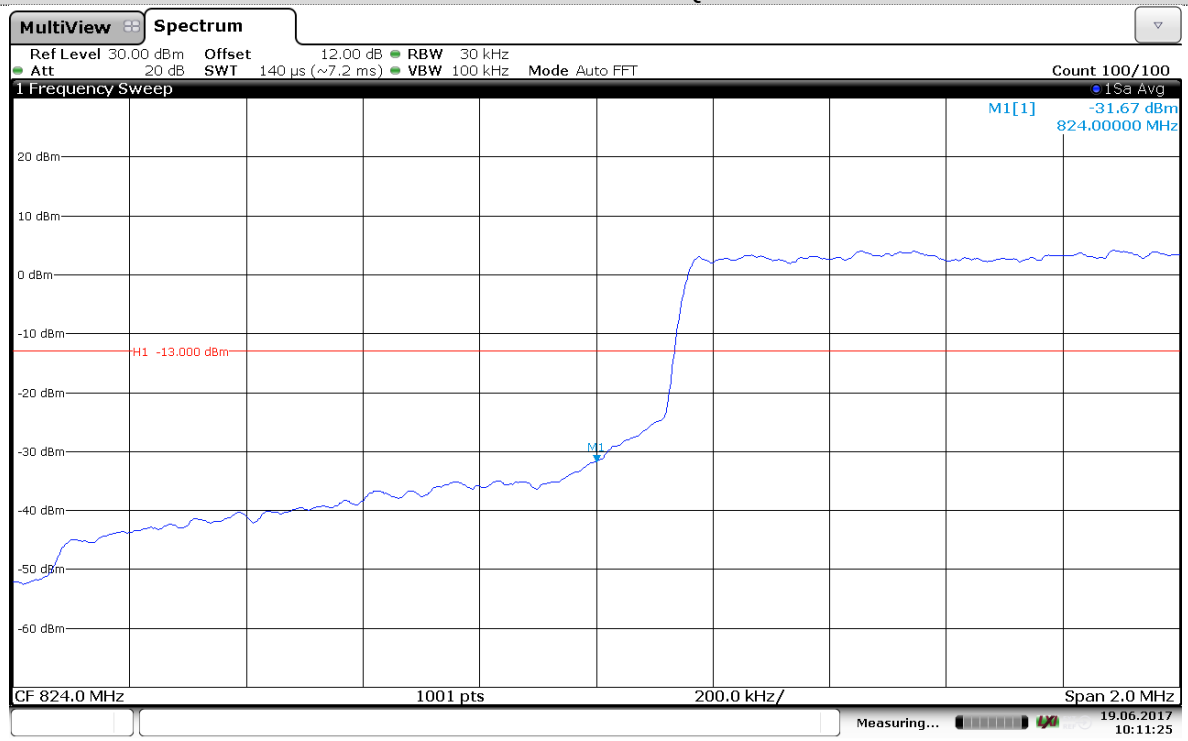


Channel Low-1RB#

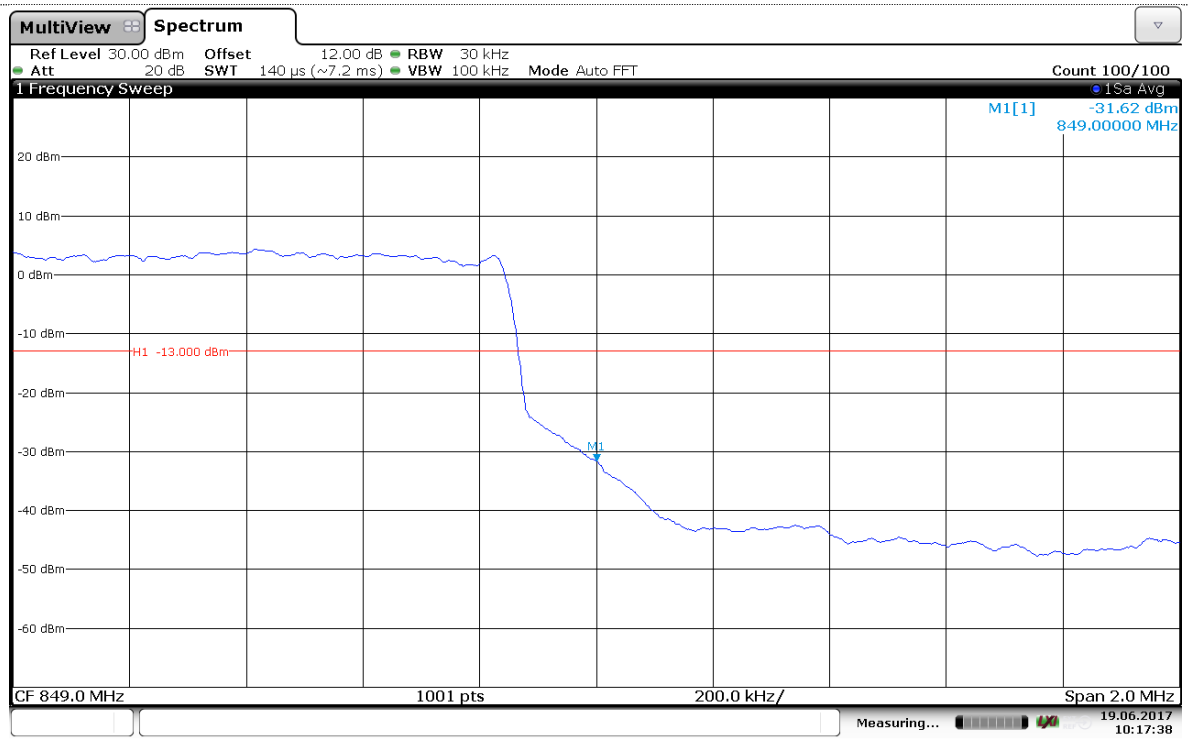


Channel High-1RB#

LTE Band 5-1.4MHz-QPSK

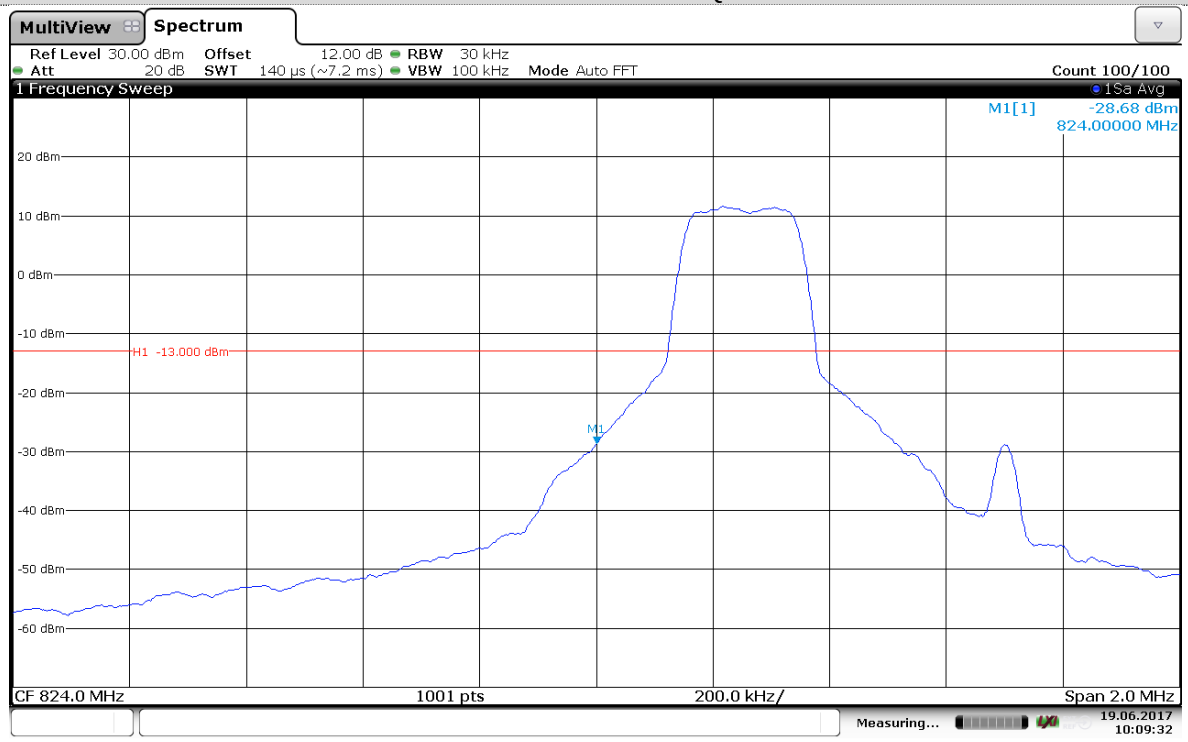


Channel Low-Full RB#

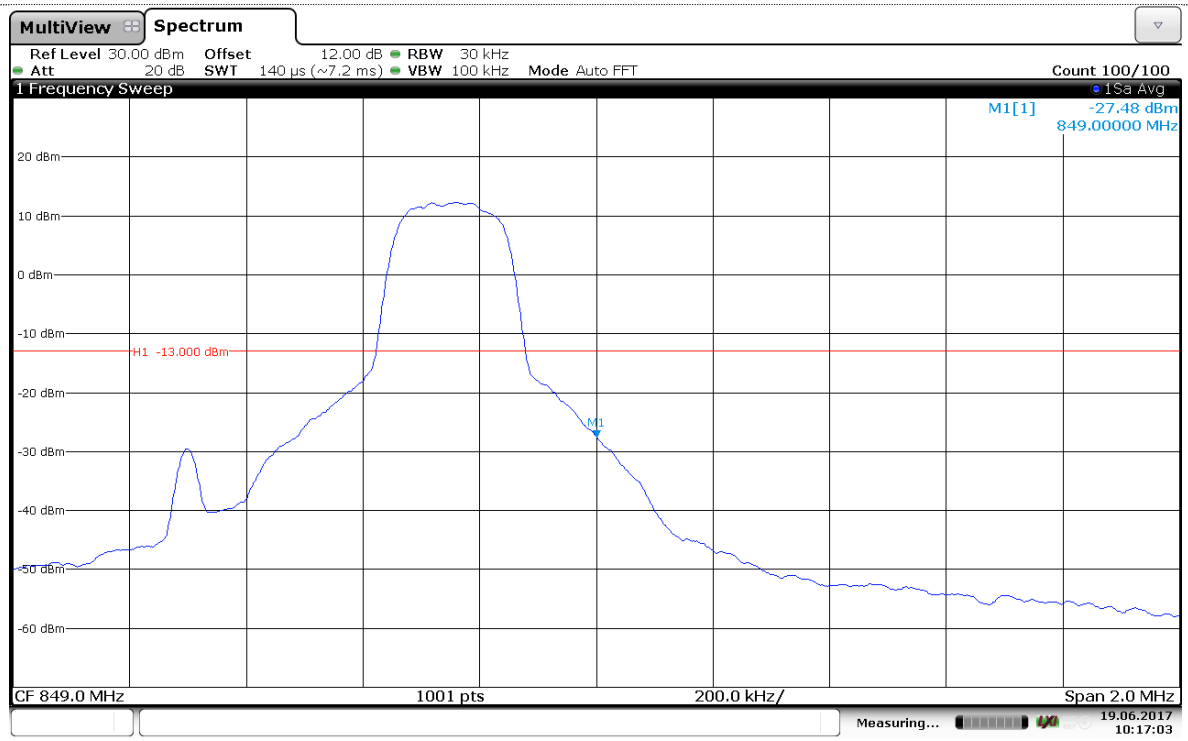


Channel High-Full RB#

LTE Band 5-1.4MHz-16QAM

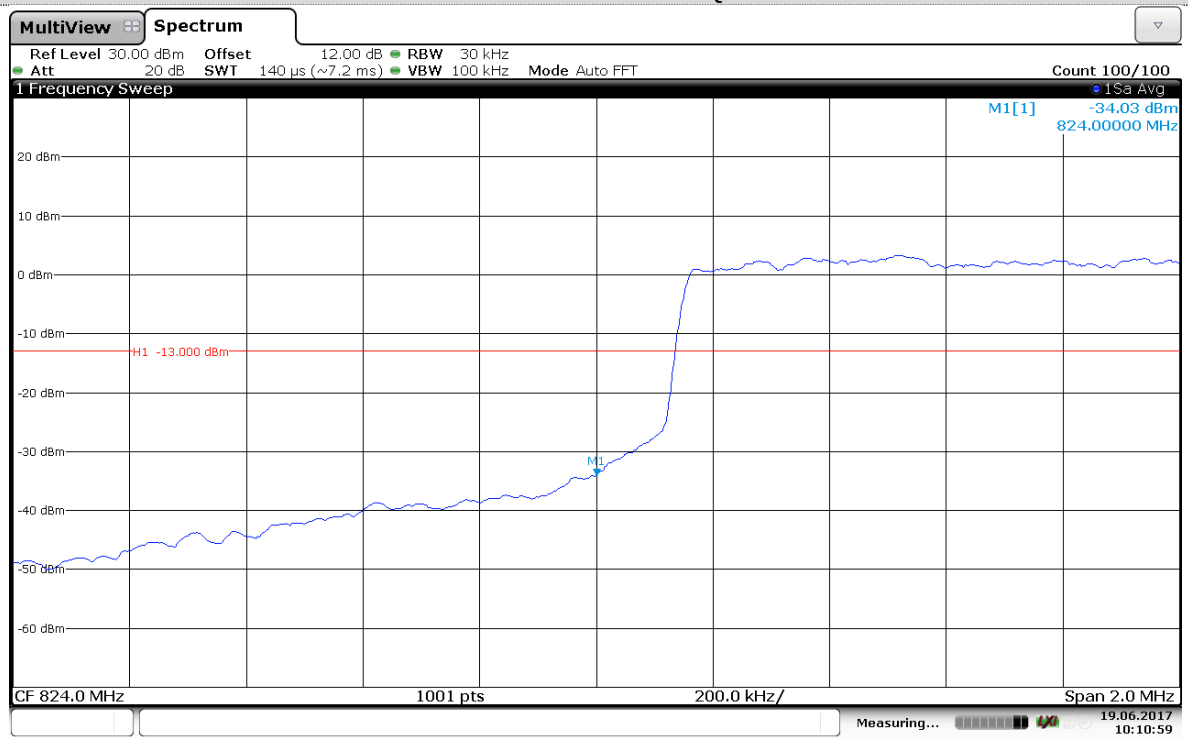


Channel Low-1RB#

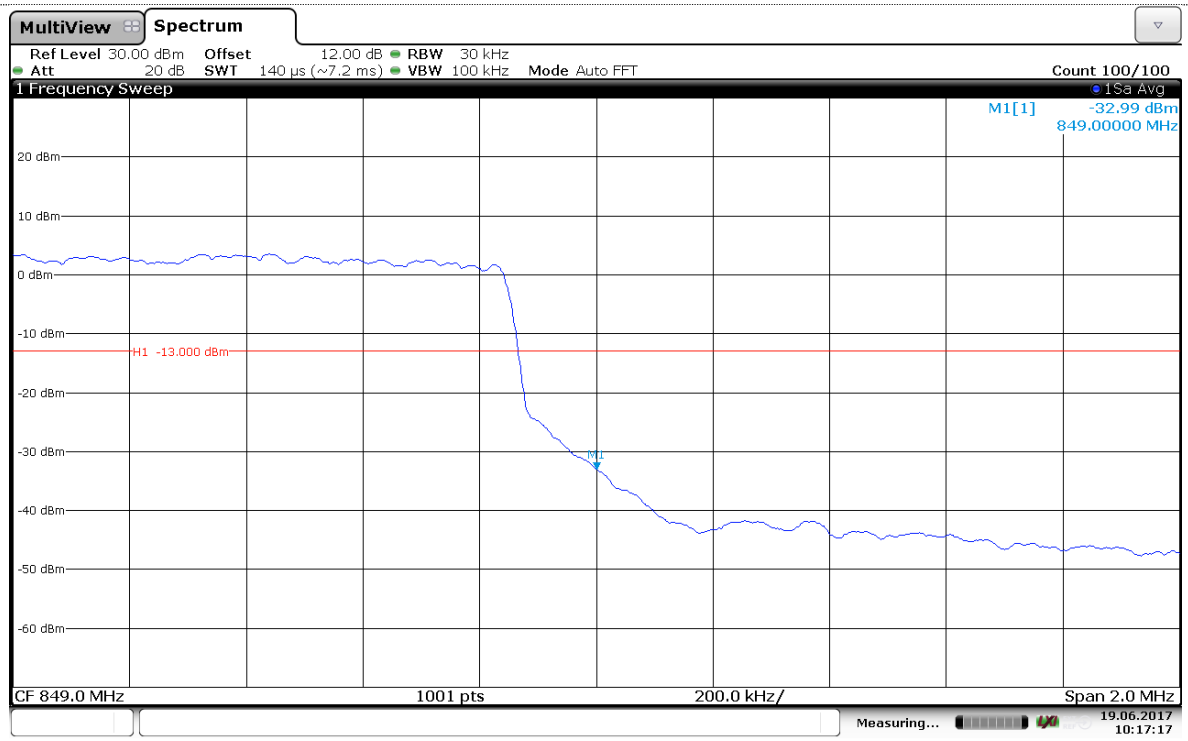


Channel High-1RB#

LTE Band 5-1.4MHz-16QAM

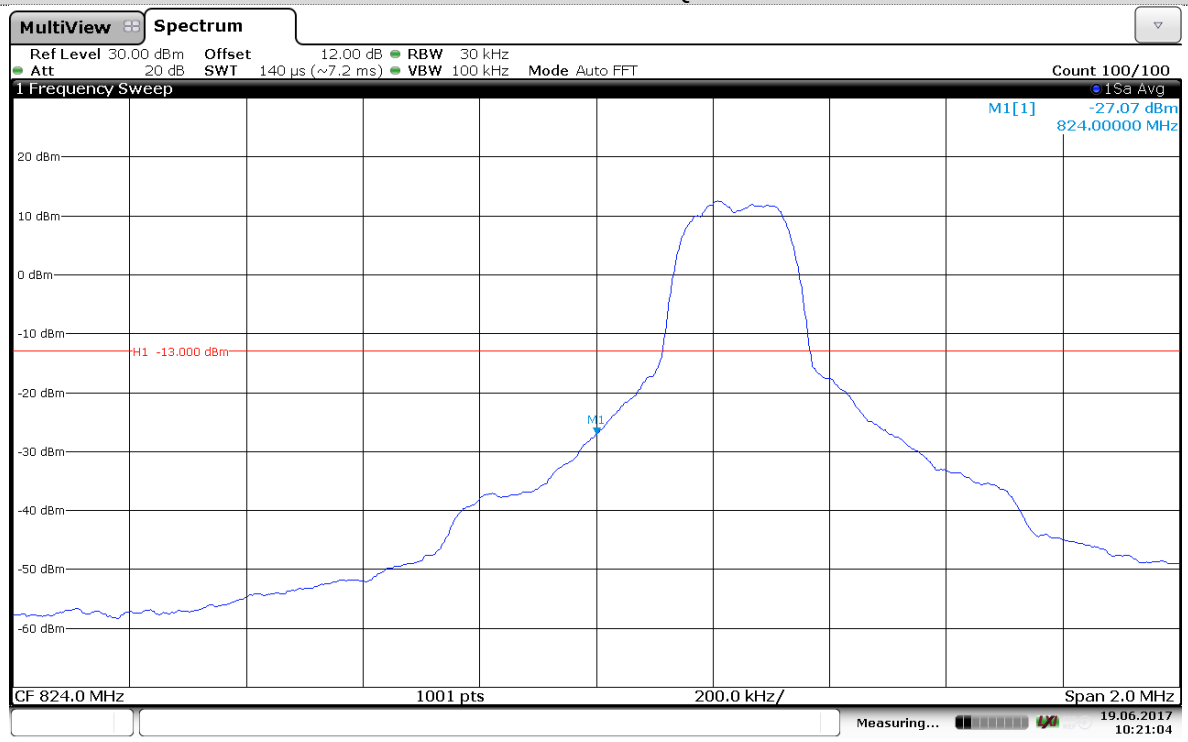


Channel Low-Full RB#

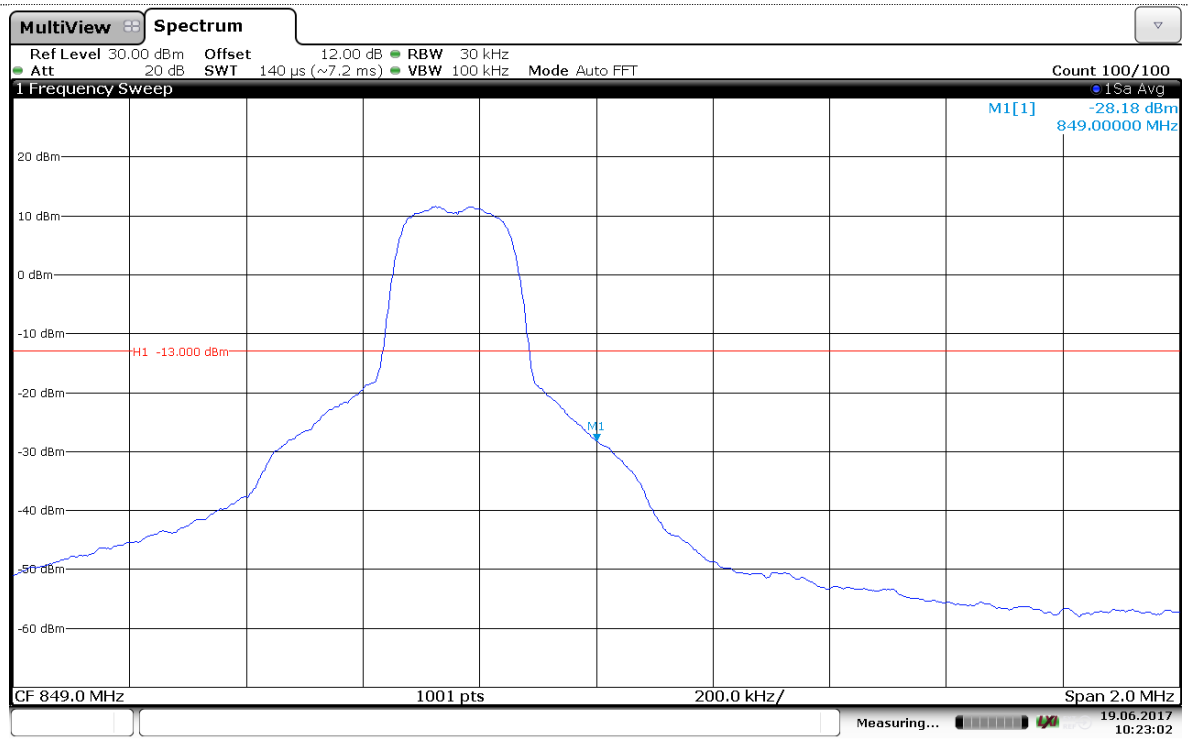


Channel High-Full RB#

LTE Band 5-3MHz-QPSK

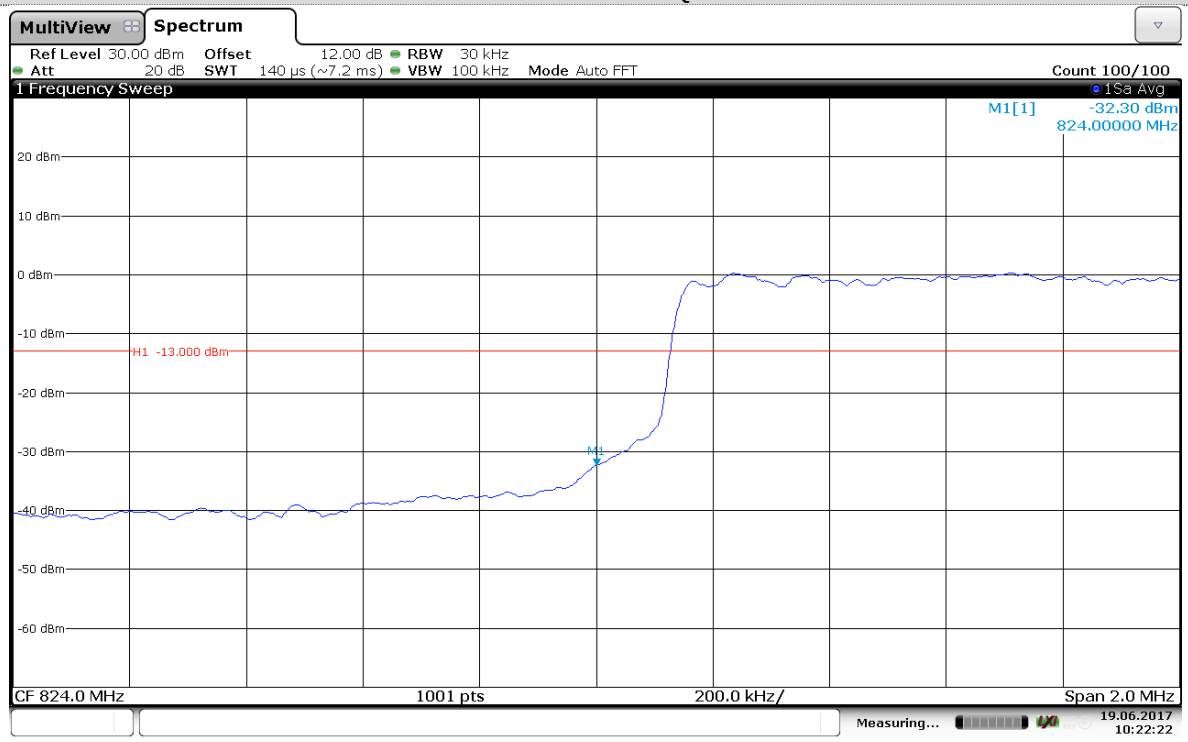


Channel Low-1RB#

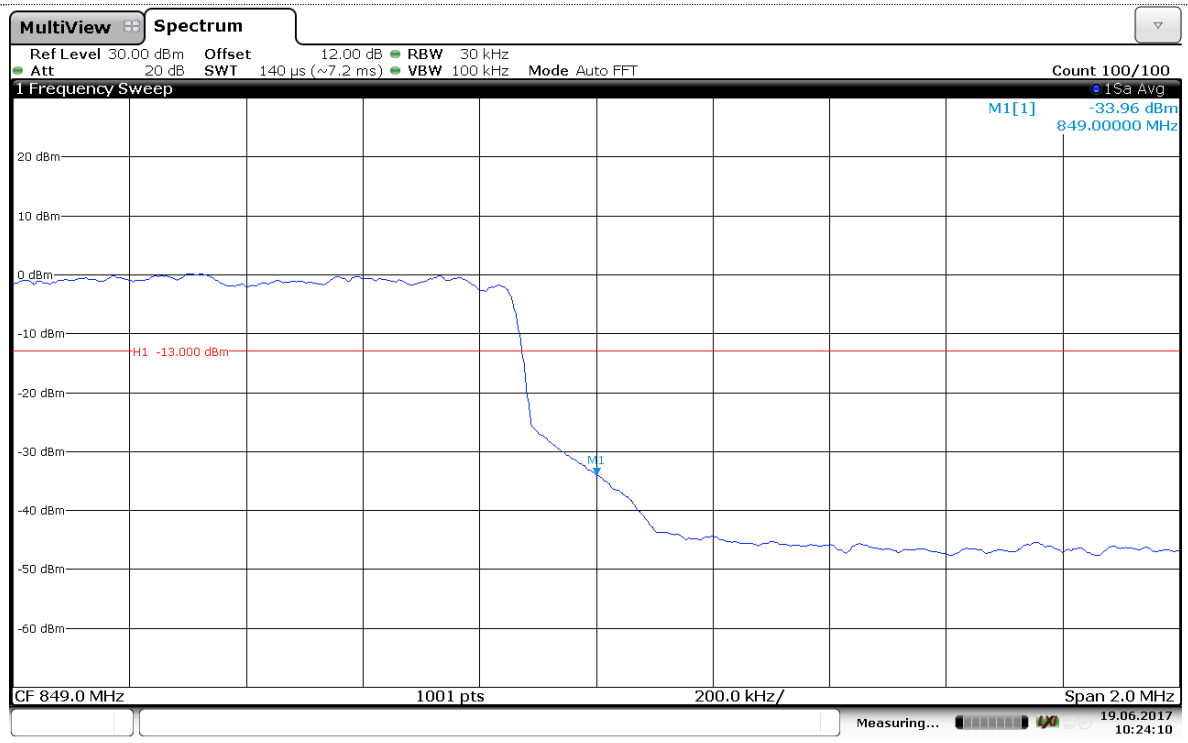


Channel High-1RB#

LTE Band 5-3MHz-QPSK

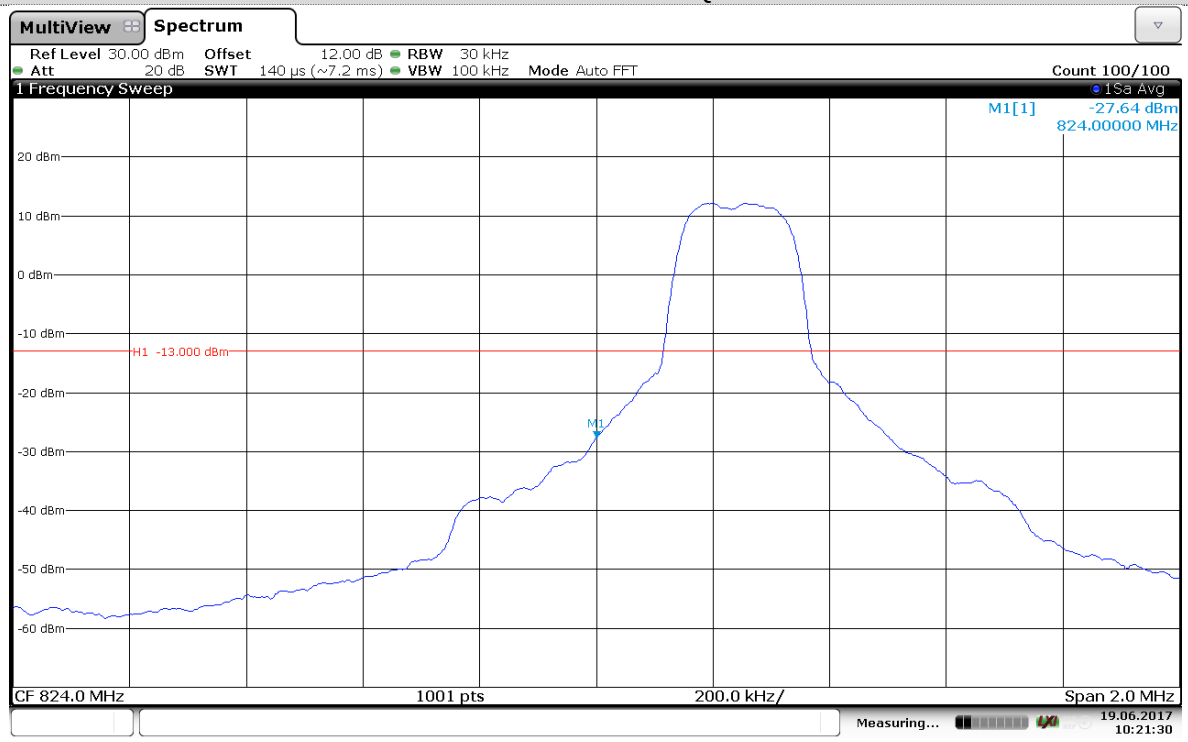


Channel Low-Full RB#

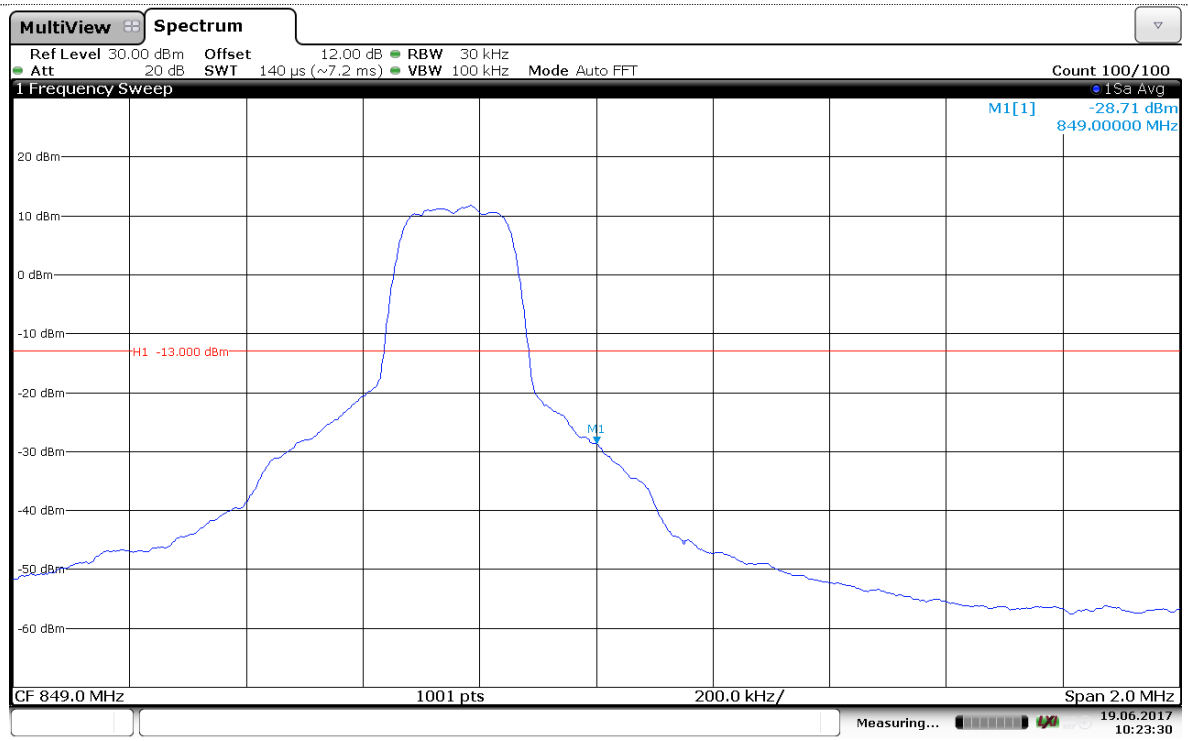


Channel High-Full RB#

LTE Band 5-3MHz-16QAM

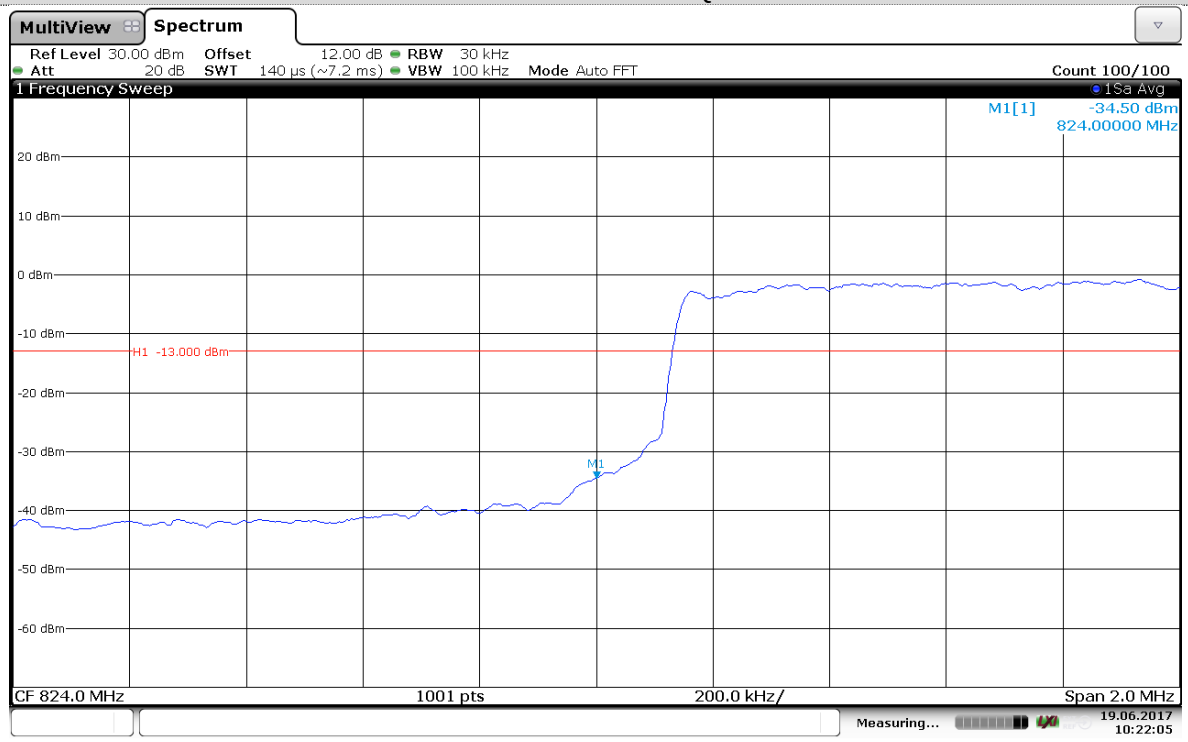


Channel Low-1RB#

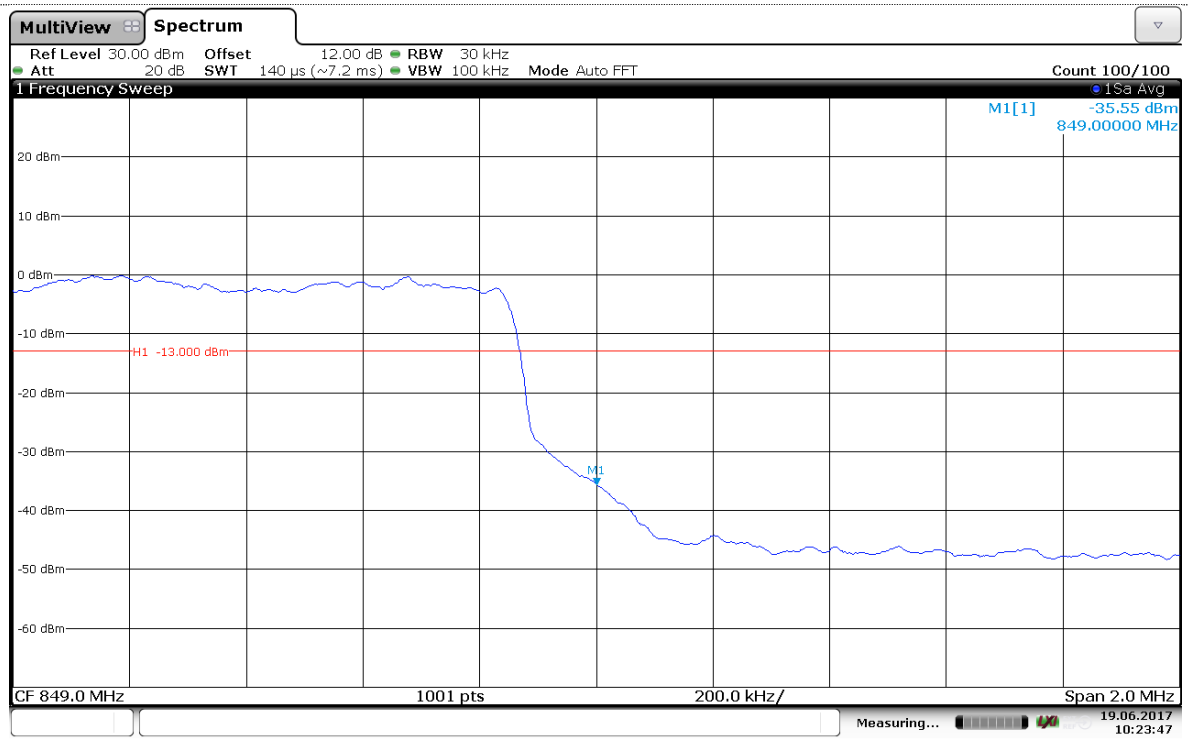


Channel High-1RB#

LTE Band 5-3MHz-16QAM

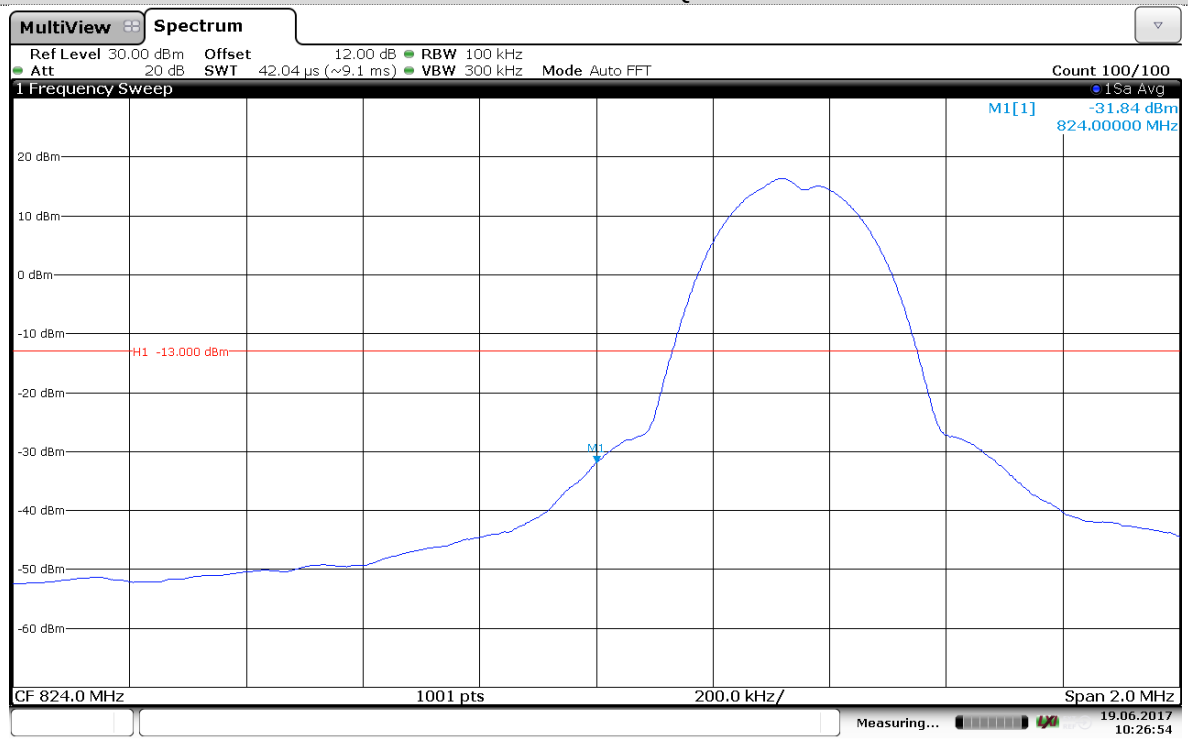


Channel Low-Full RB#

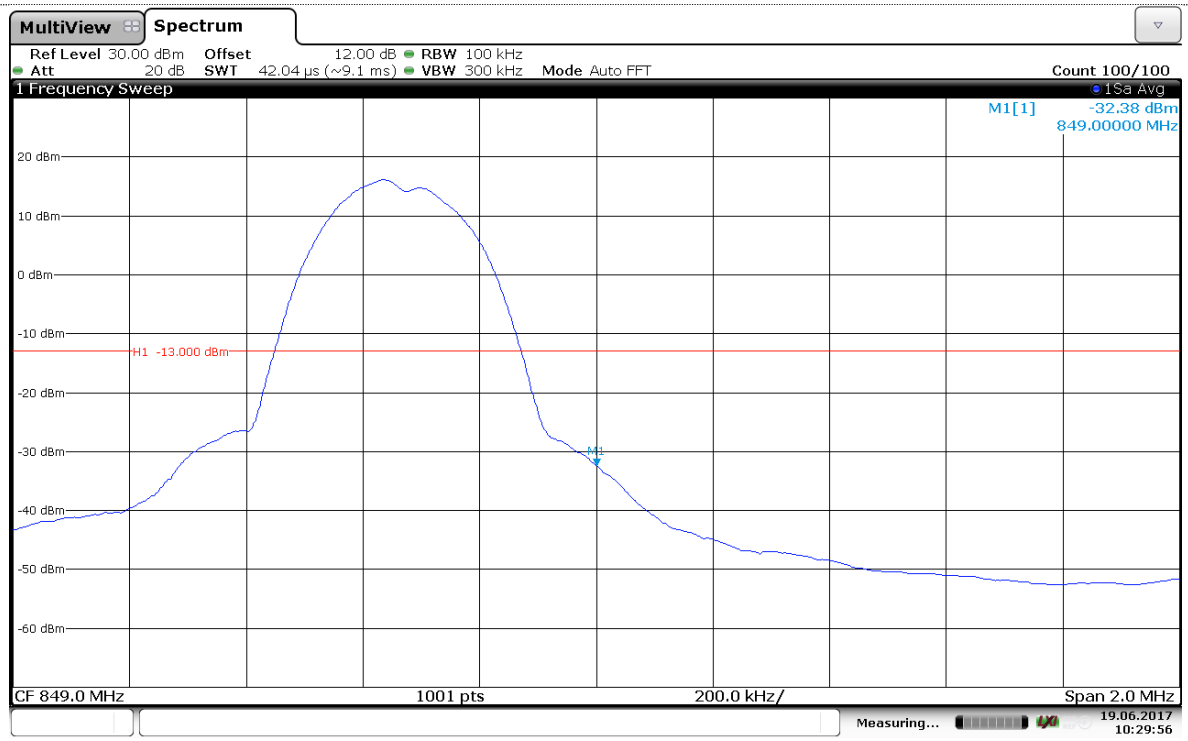


Channel High-Full RB#

LTE Band 5-5MHz-QPSK

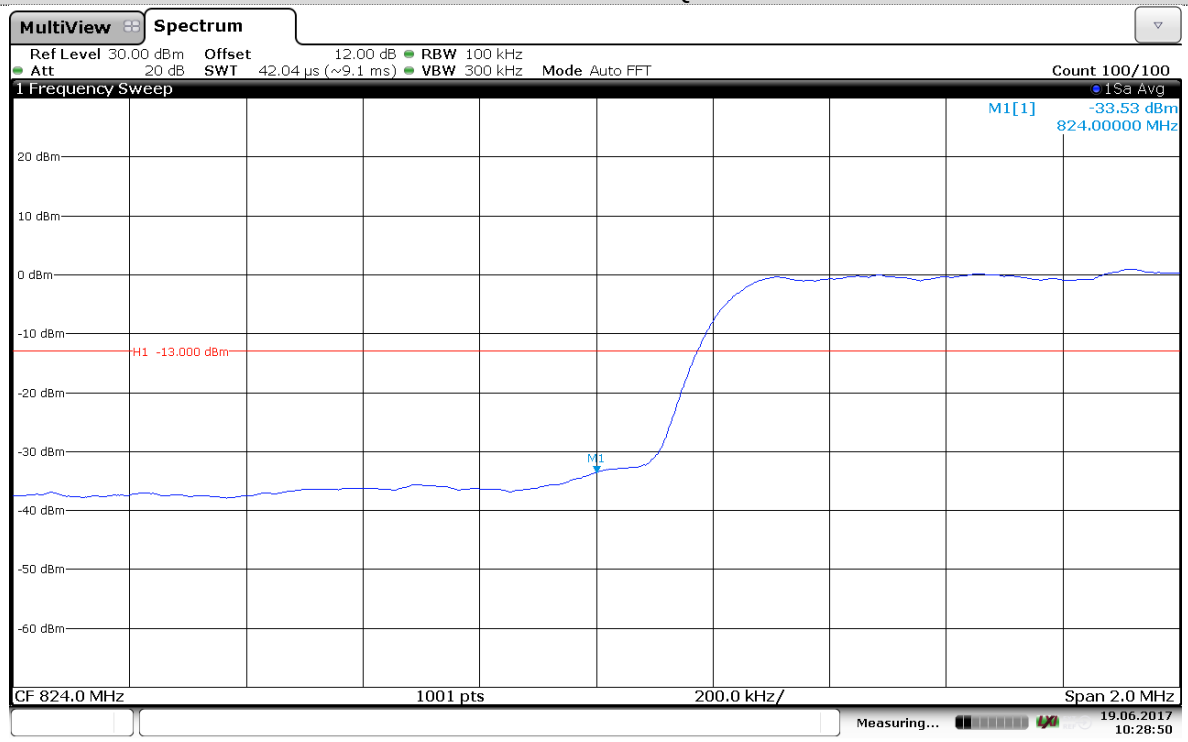


Channel Low-1RB#

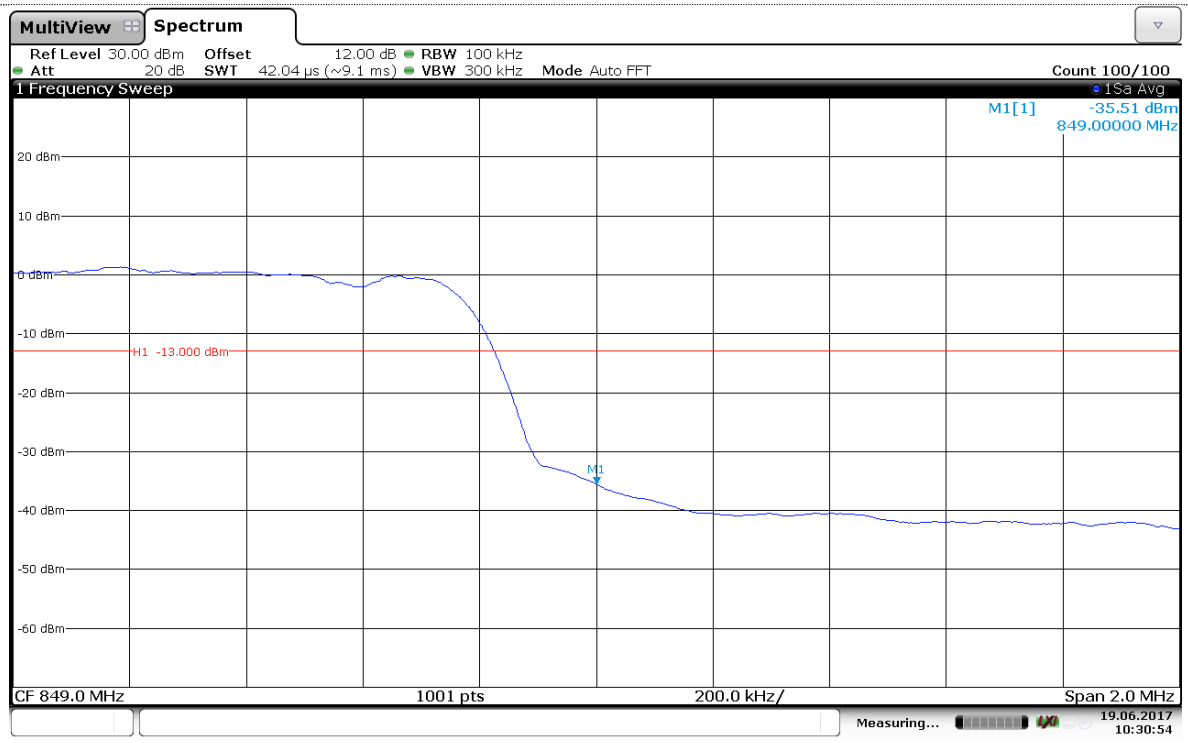


Channel High-1RB#

LTE Band 5-5MHz-QPSK

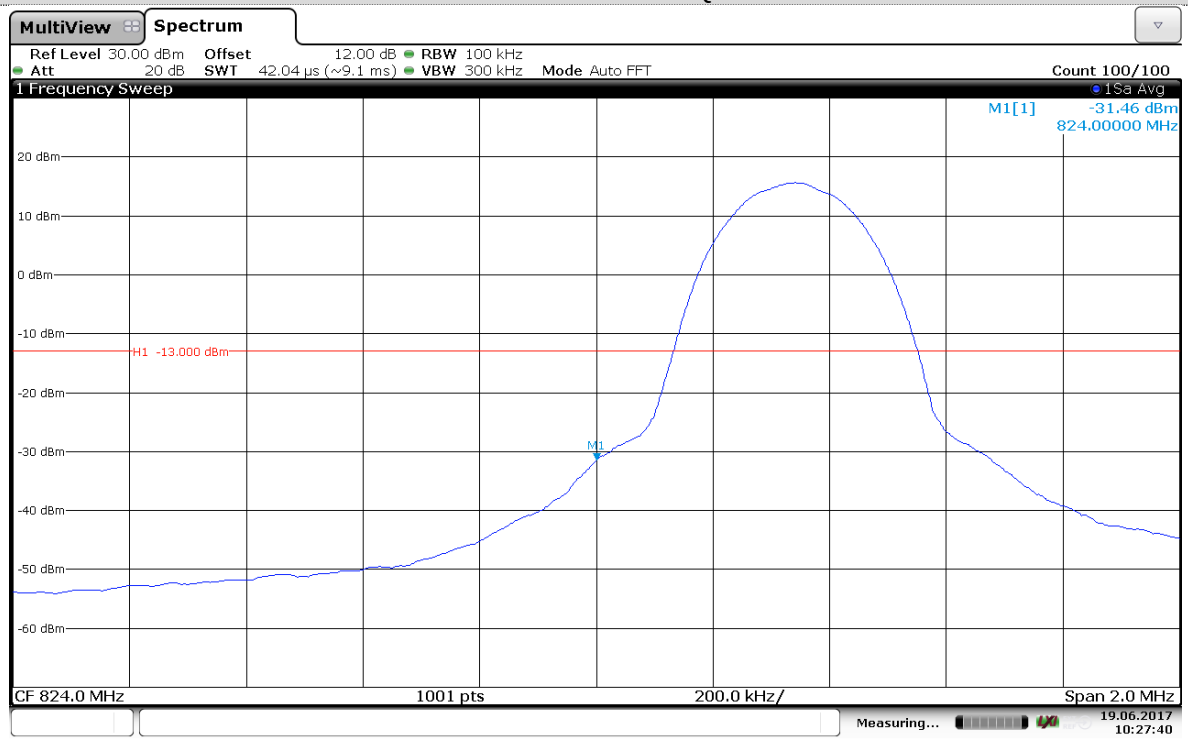


Channel Low-Full RB#

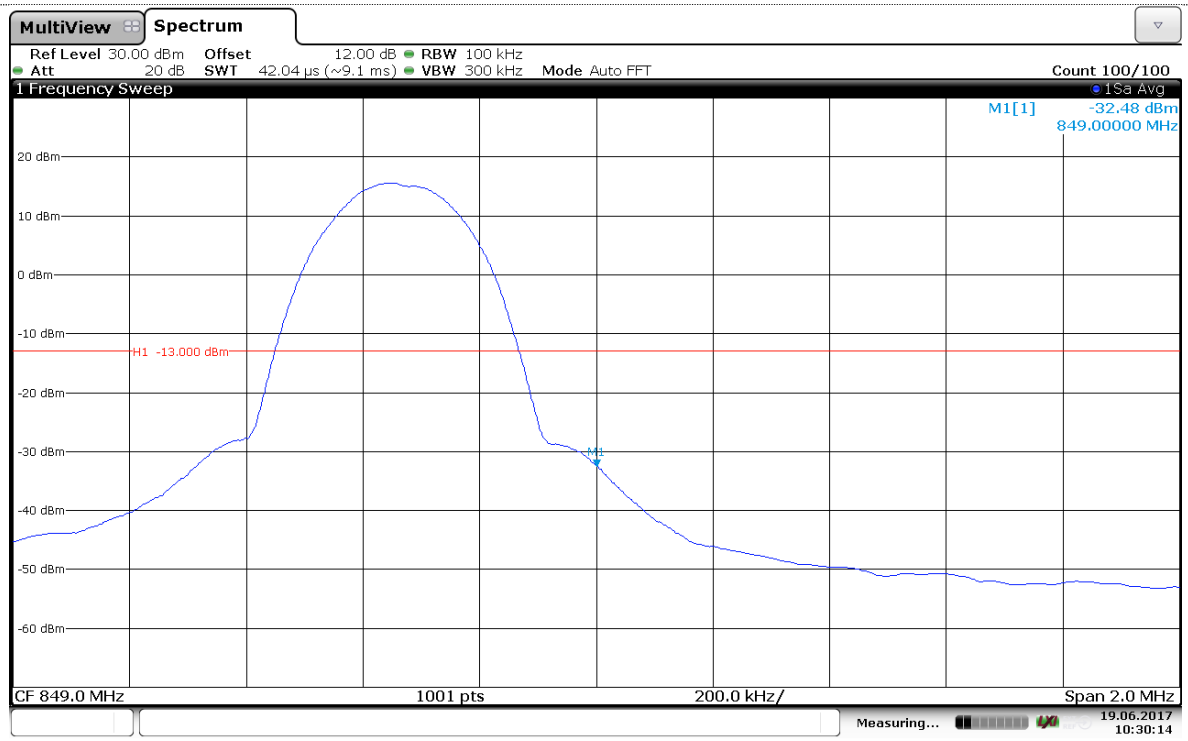


Channel High-Full RB#

LTE Band 5-5MHz-16QAM



Channel Low-1RB#



Channel High-1RB#