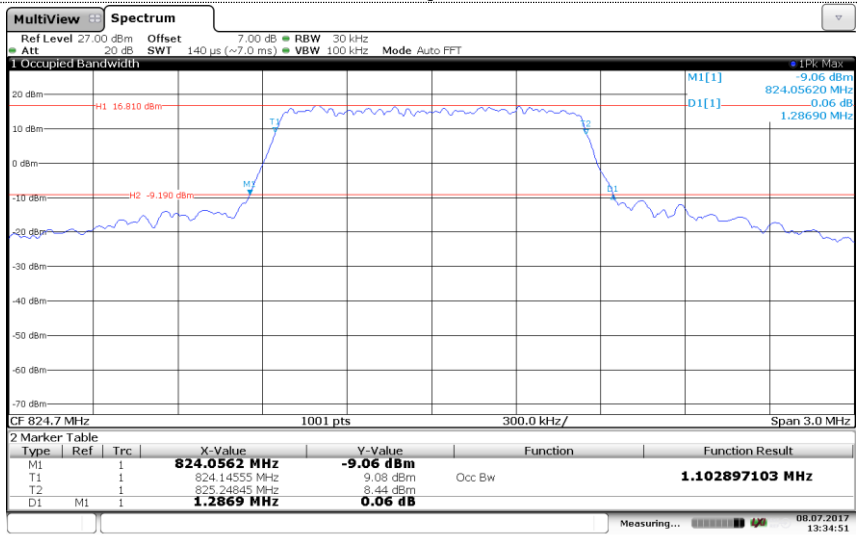
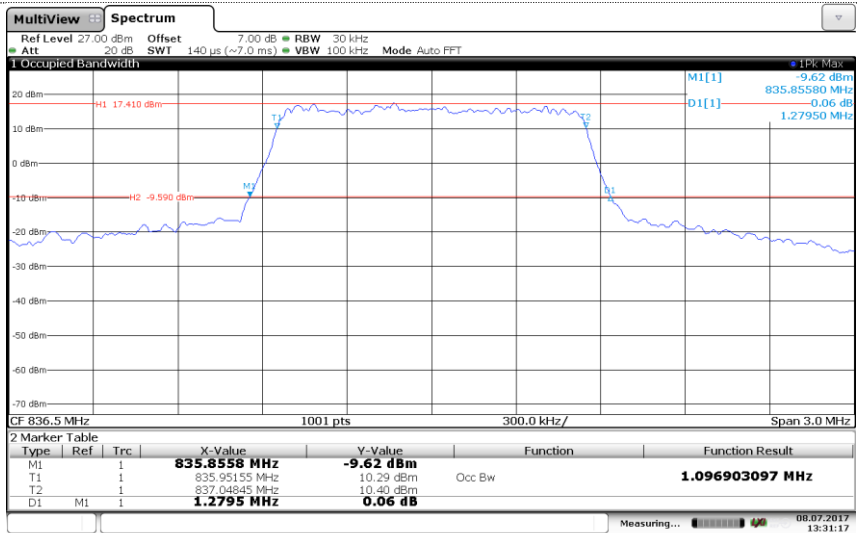


LTE Band 5-1.4MHz
16QAM



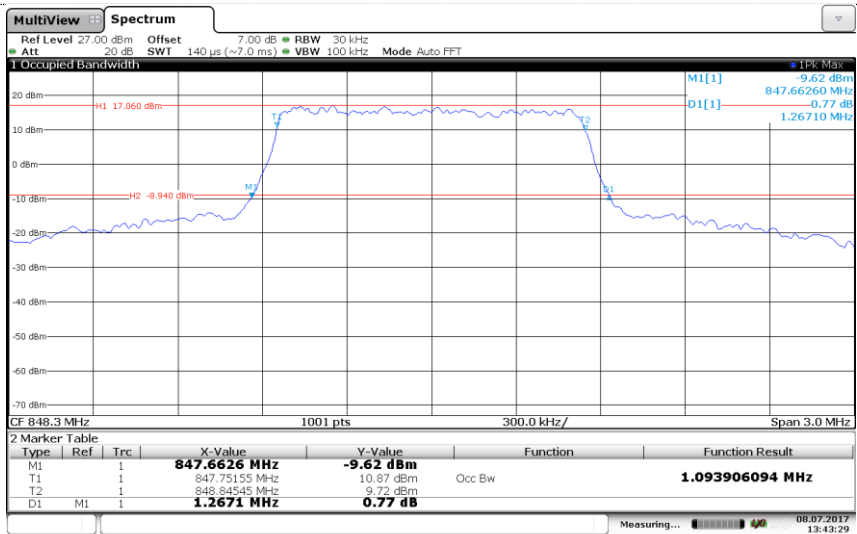
Date: 8.JUL.2017 13:34:51

Channel Low



Date: 8.JUL.2017 13:31:17

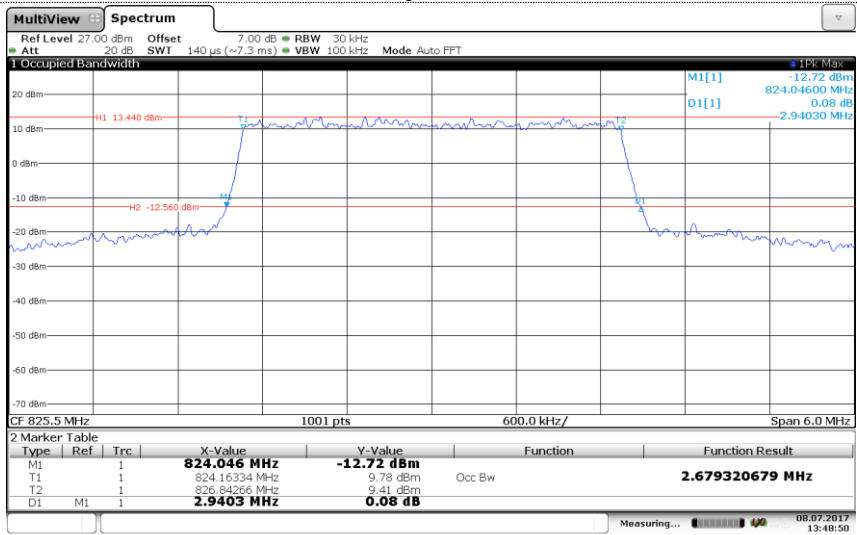
Channel Mid



Date: 8.JUL.2017 13:43:29

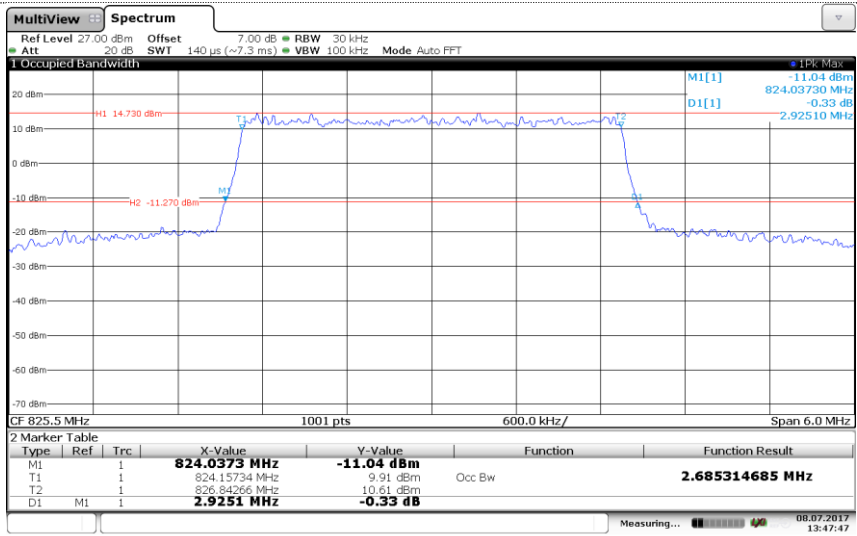
Channel High

LTE Band 5-3MHz
QPSK



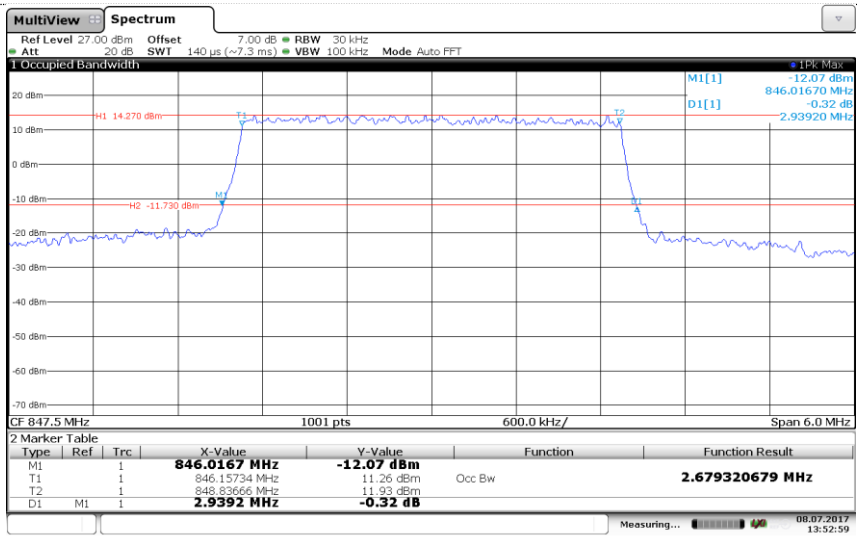
Date: 8.JUL.2017 13:48:50

Channel Low



Date: 8.JUL.2017 13:47:47

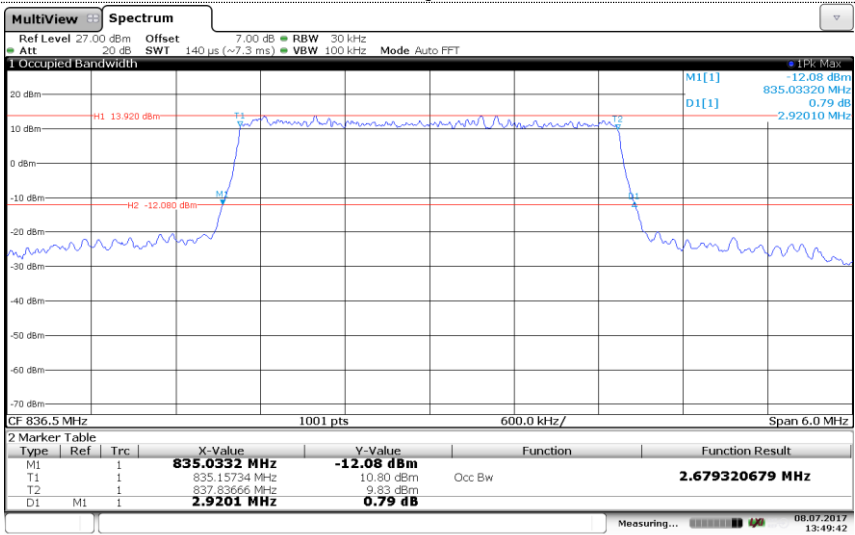
Channel Mid



Date: 8.JUL.2017 13:52:59

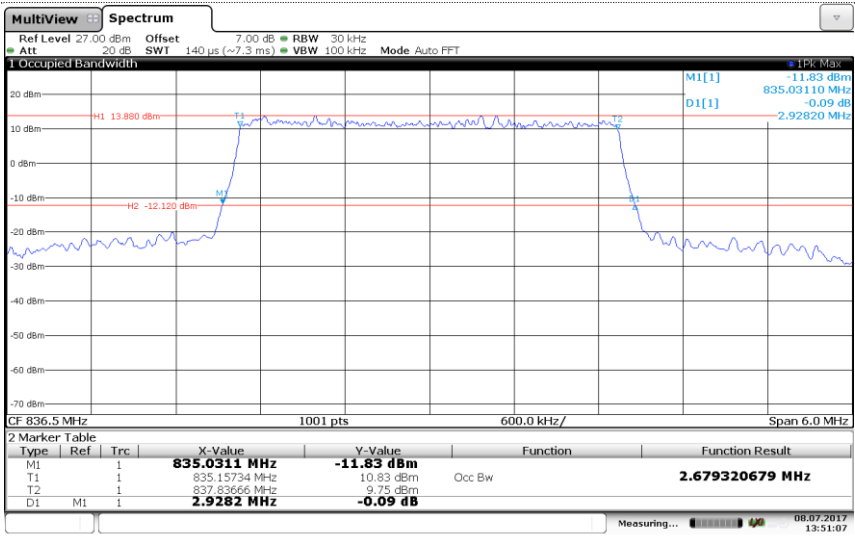
Channel High

LTE Band 5-3MHz
16QAM



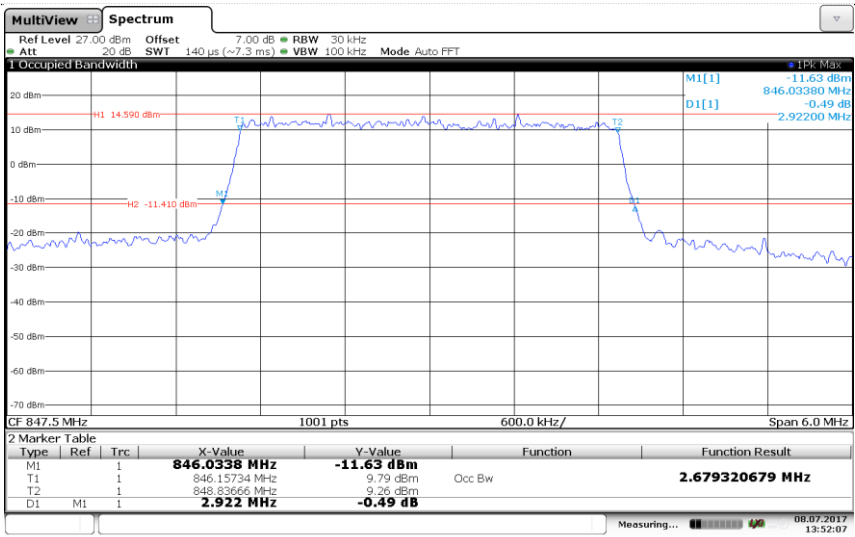
Date: 8.JUL.2017 13:49:43

Channel Low



Date: 8.JUL.2017 13:51:06

Channel Mid

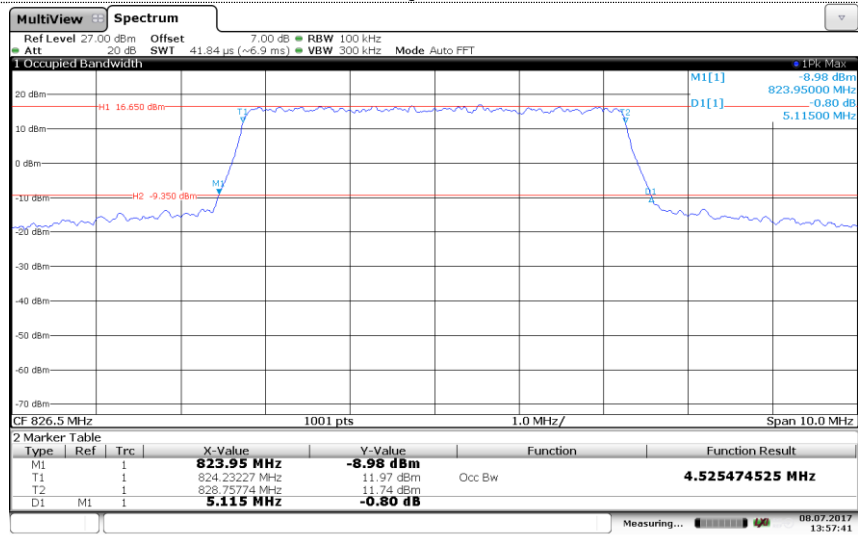


Date: 8.JUL.2017 13:52:08

Channel High

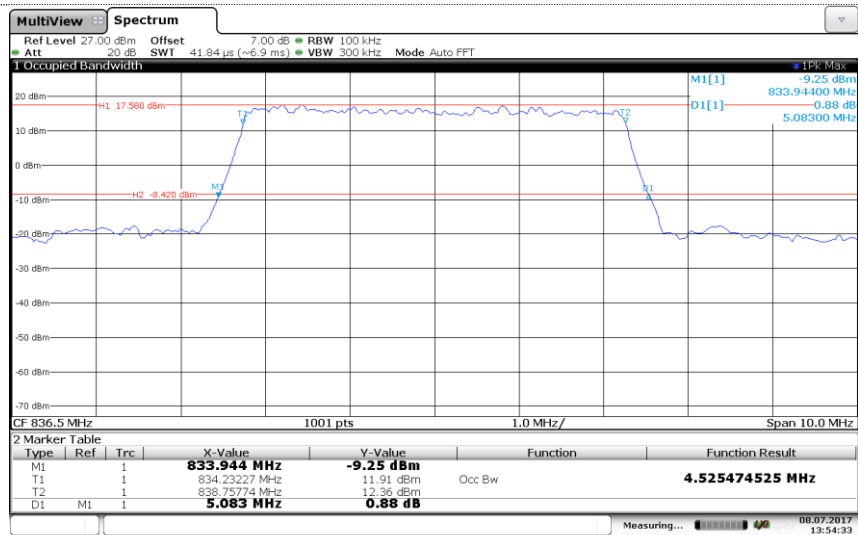
LTE Band 5-5MHz

QPSK



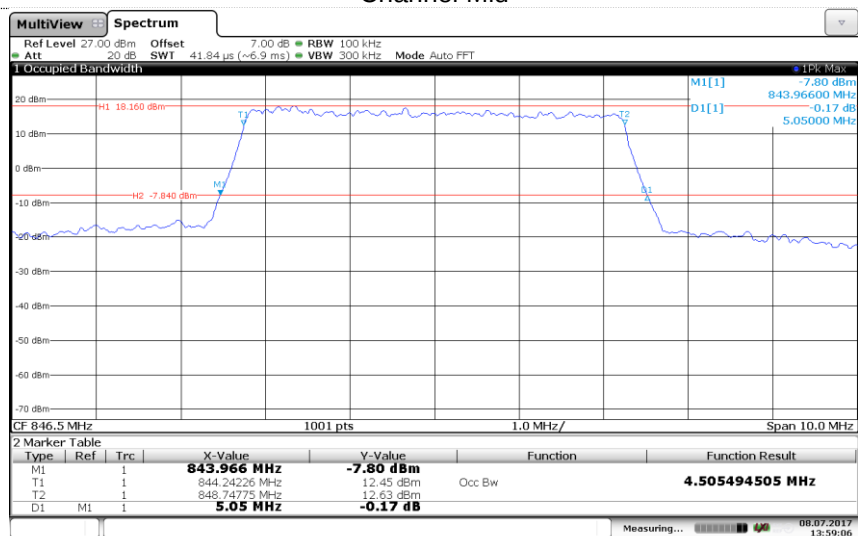
Date: 8.JUL.2017 13:57:41

Channel Low



Date: 8.JUL.2017 13:54:33

Channel Mid

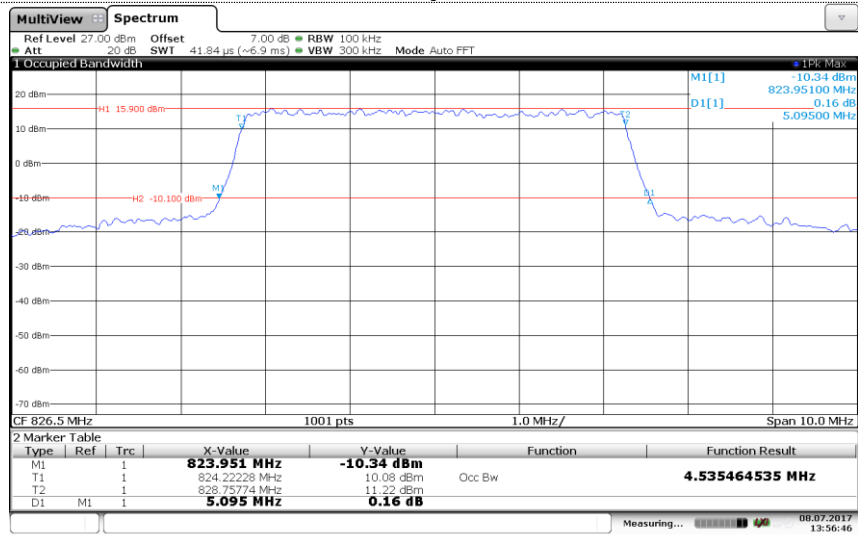


Date: 8.JUL.2017 13:59:06

Channel High

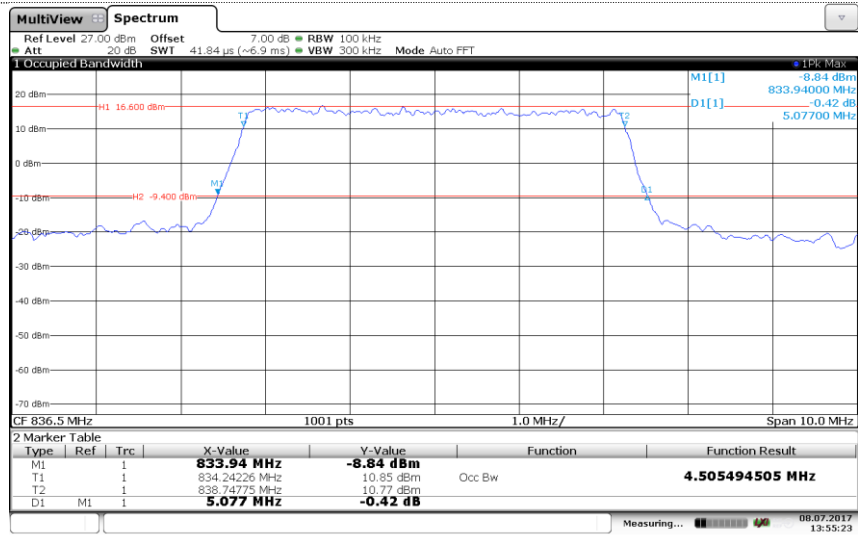
LTE Band 5-5MHz

16QAM



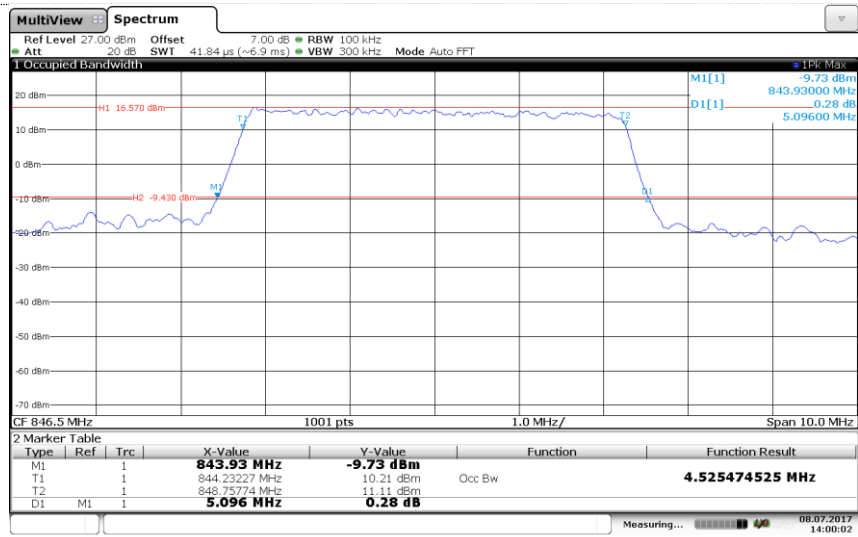
Date: 8.JUL.2017 13:56:46

Channel Low



Date: 8.JUL.2017 13:55:23

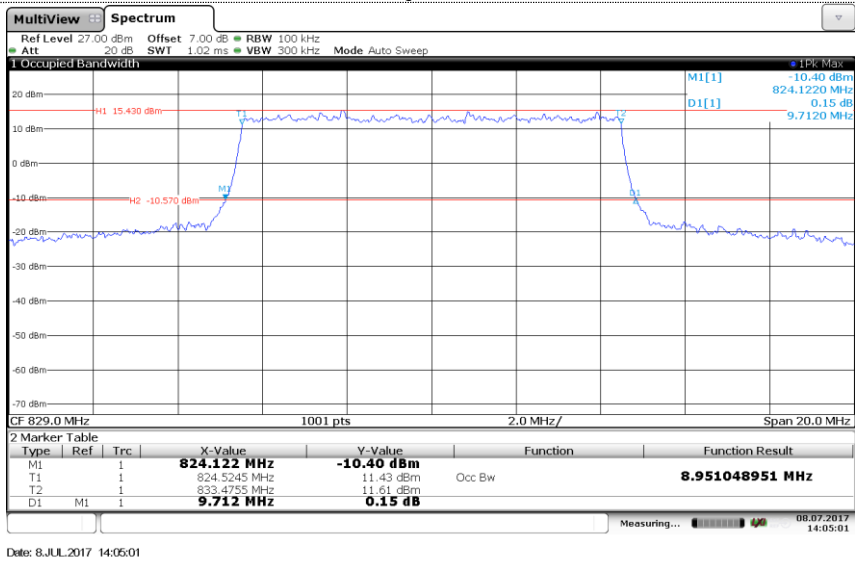
Channel Mid



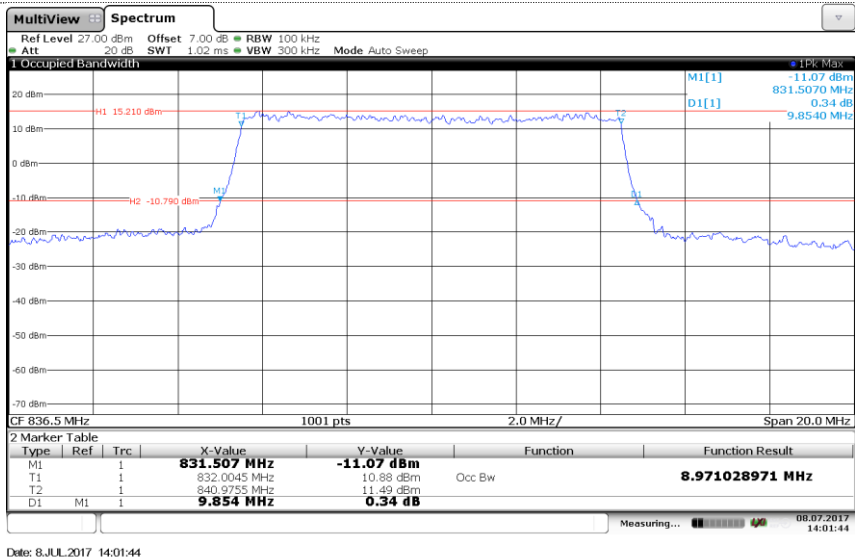
Date: 8.JUL.2017 14:00:02

Channel High

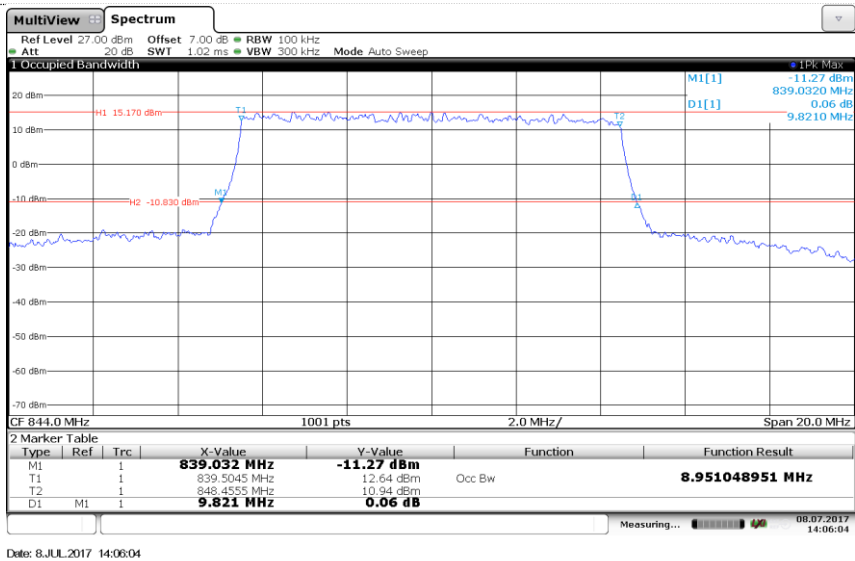
LTE Band 5-10MHz
QPSK



Channel Low

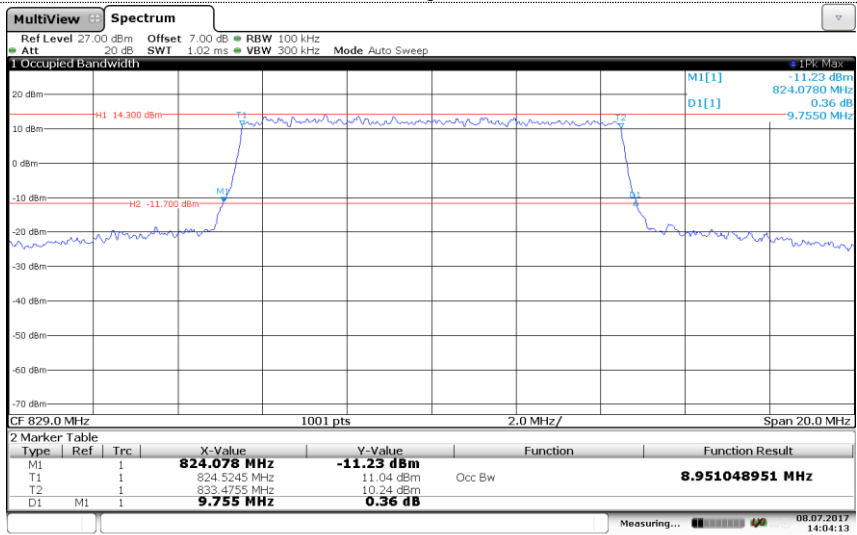


Channel Mid



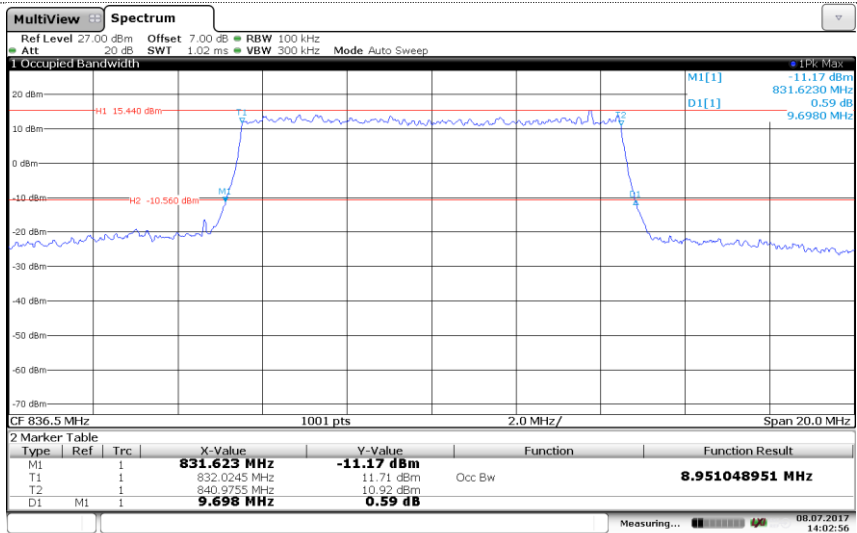
Channel High

LTE Band 5-10MHz
16QAM



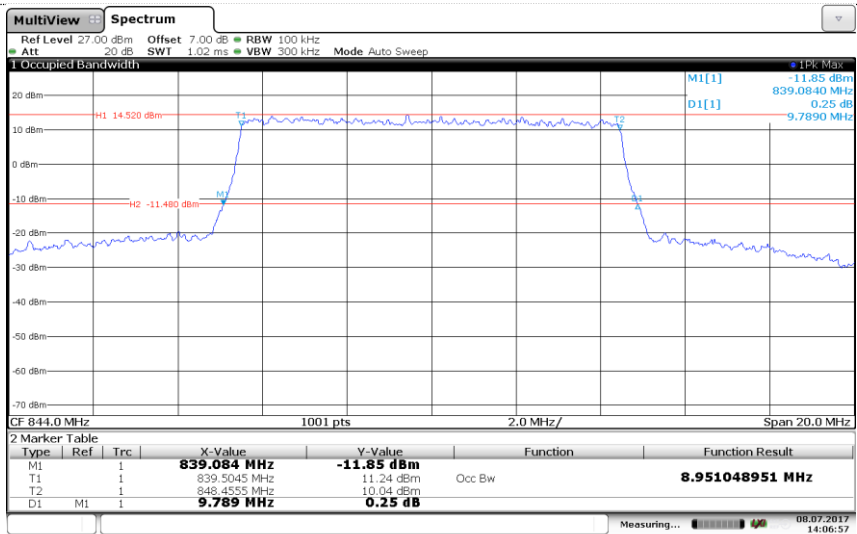
Date: 8.JUL.2017 14:04:14

Channel Low



Date: 8.JUL.2017 14:02:56

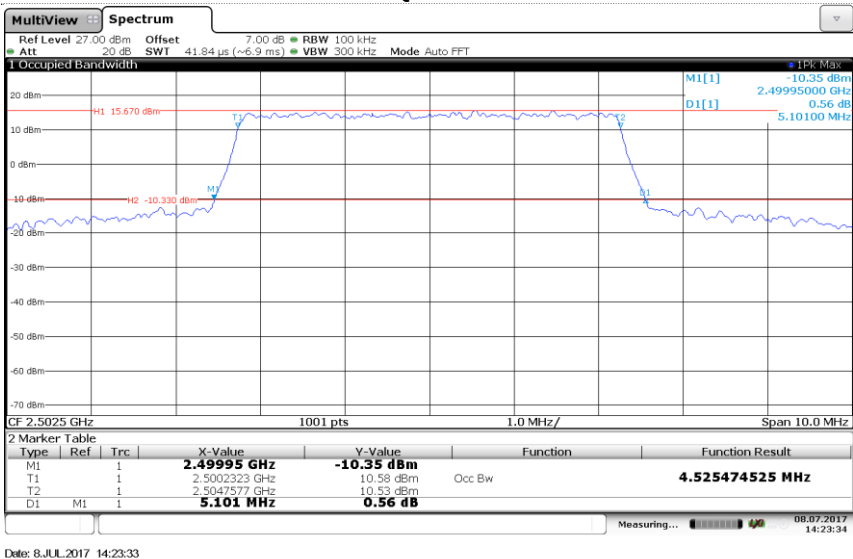
Channel Mid



Date: 8.JUL.2017 14:06:57

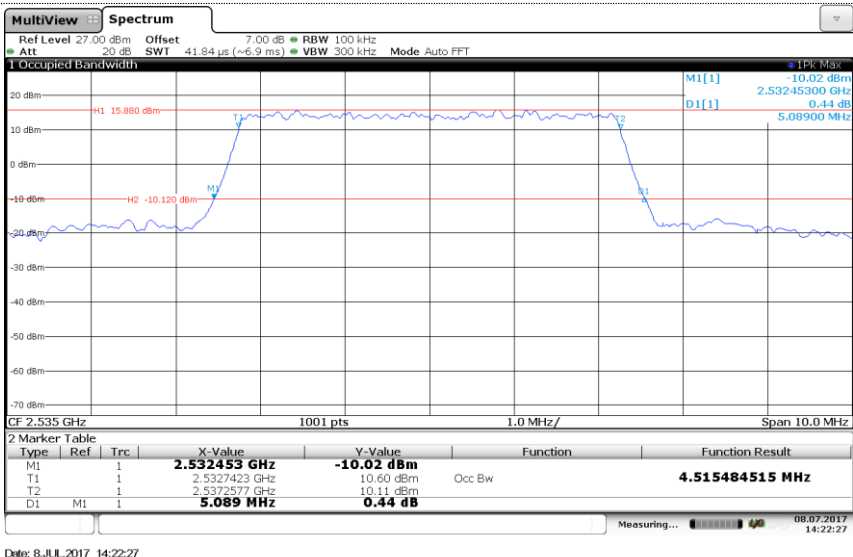
Channel High

LTE Band 7-5MHz
QPSK



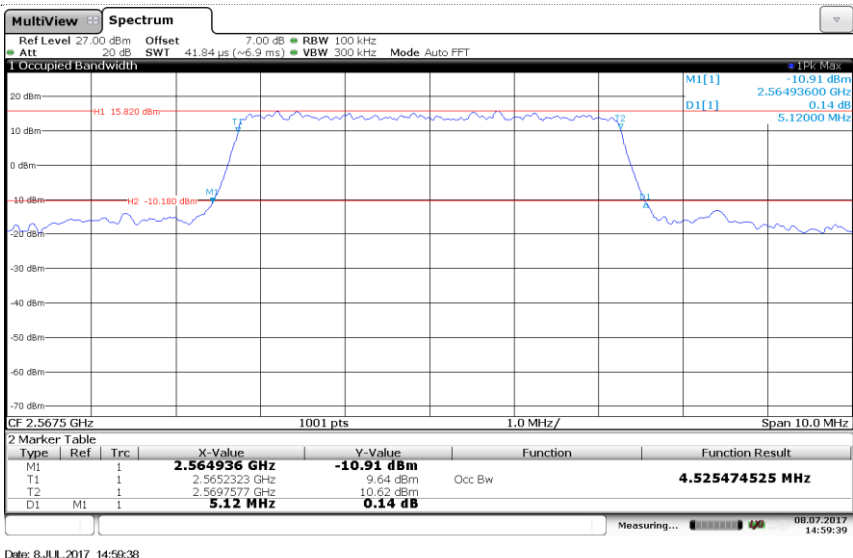
Date: 8JUL2017 14:23:33

Channel Low



Date: 8JUL2017 14:22:27

Channel Mid

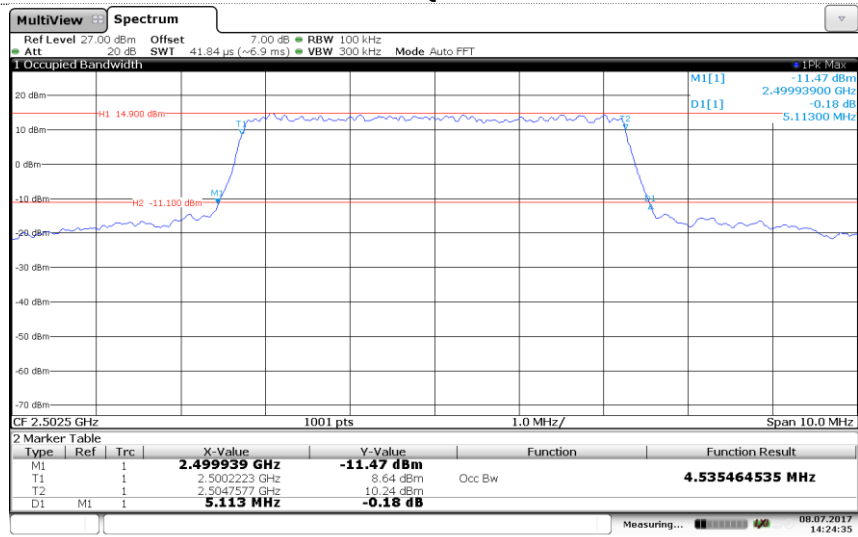


Date: 8JUL2017 14:39:38

Channel High

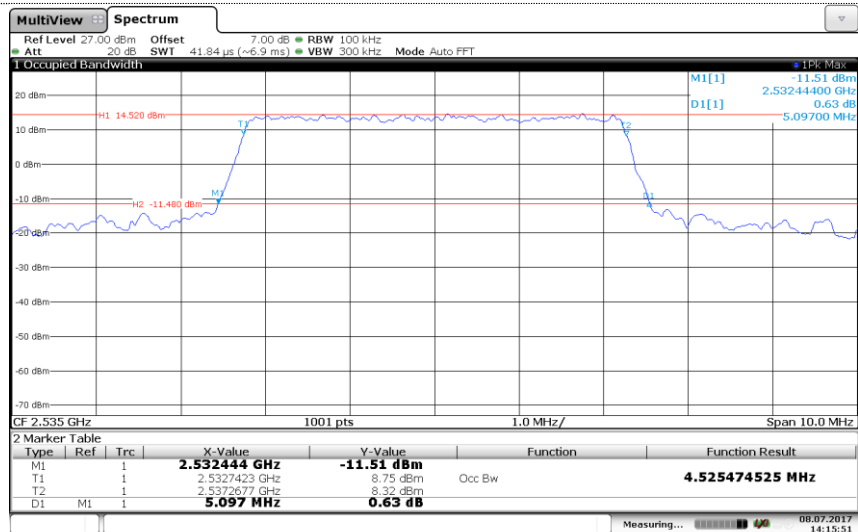
LTE Band 7-5MHz

16QAM



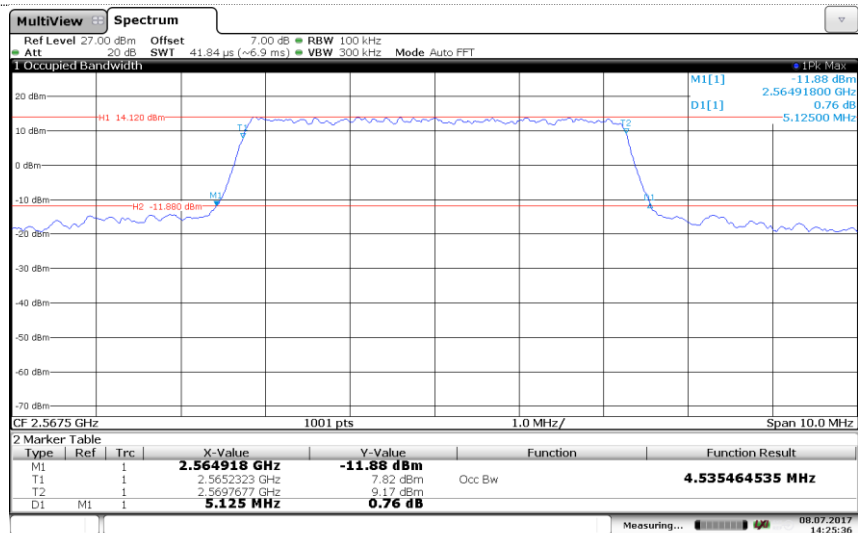
Date: 8JUL2017 14:24:34

Channel Low



Date: 8JUL2017 14:15:52

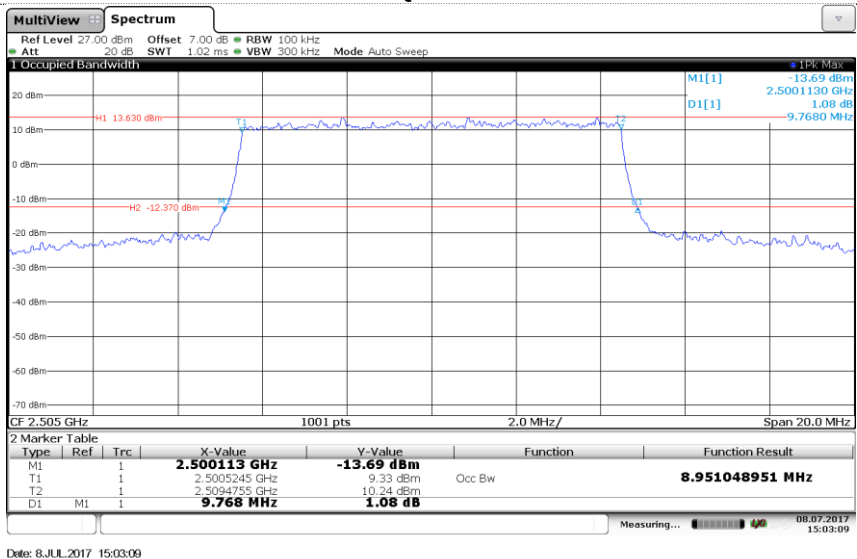
Channel Mid



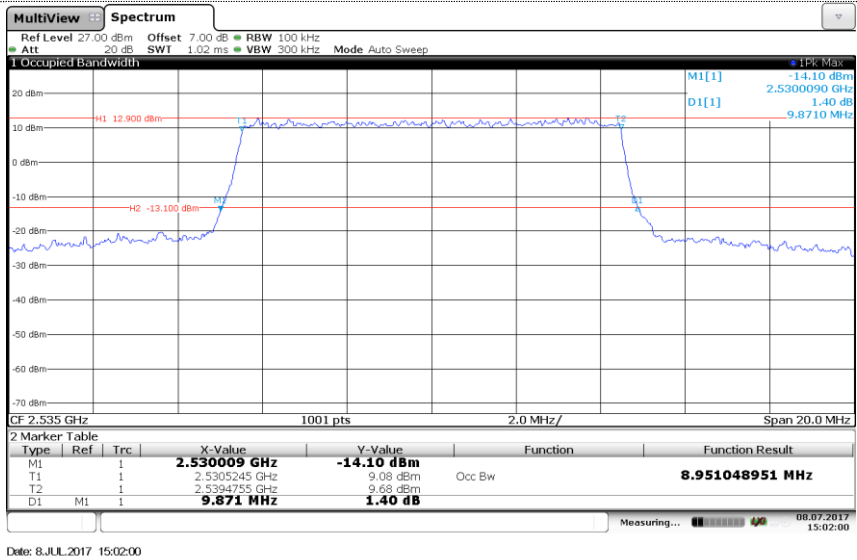
Date: 8JUL2017 14:25:35

Channel High

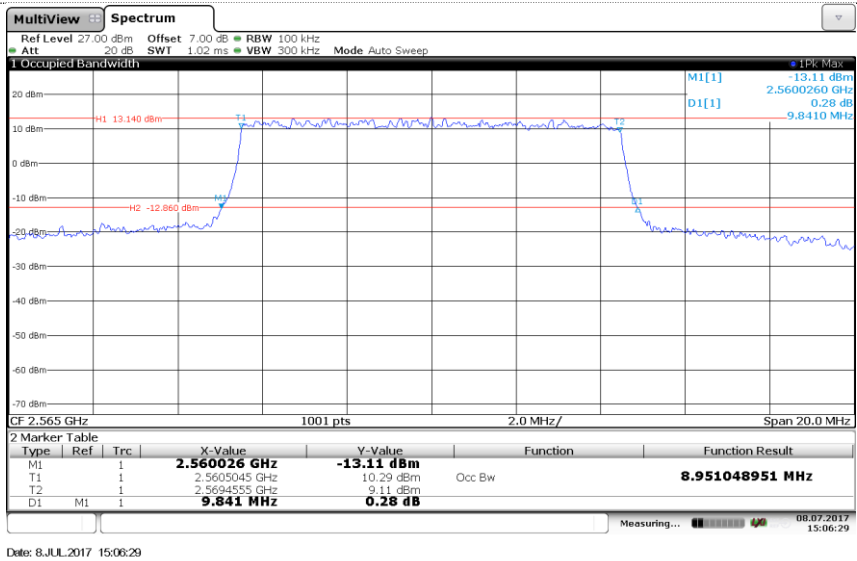
LTE Band 7-10MHz
QPSK



Channel Low



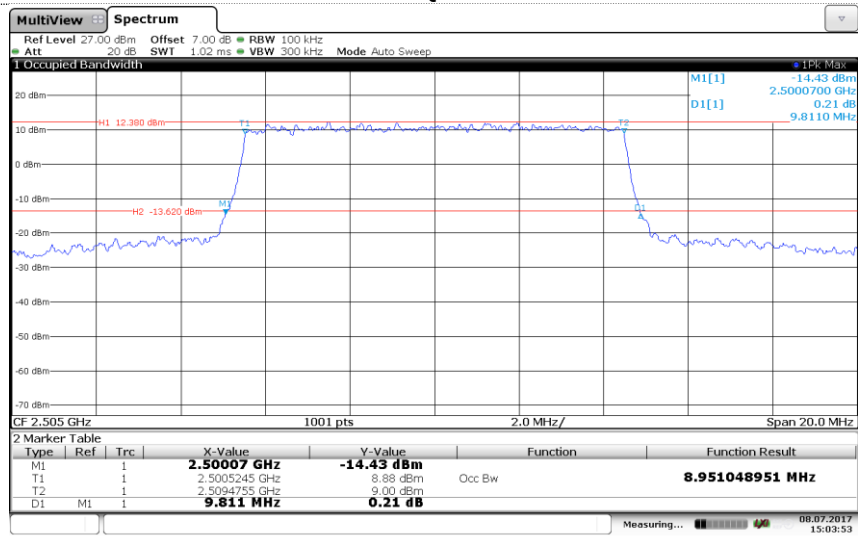
Channel Mid



Channel High

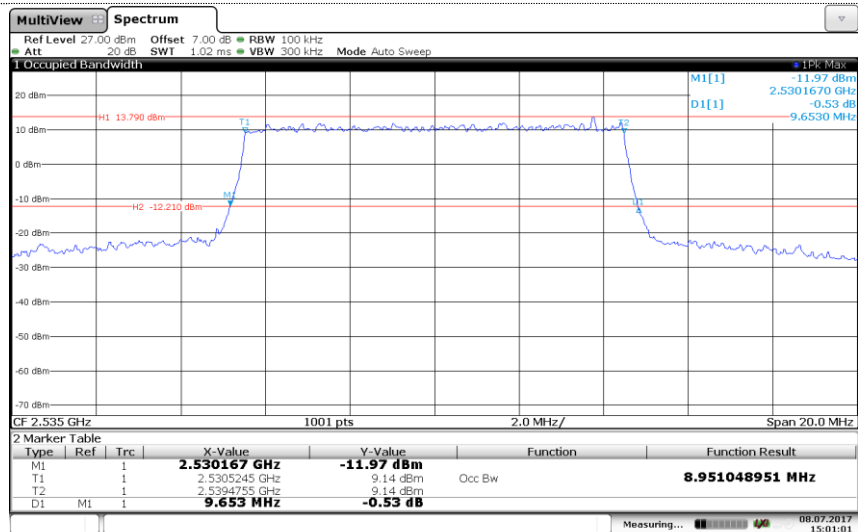
LTE Band 7-10MHz

16QAM



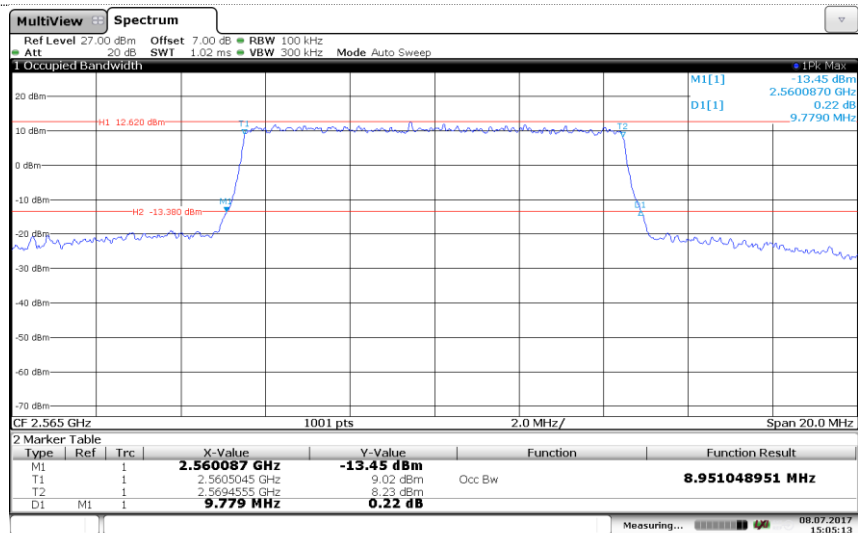
Date: 8JUL.2017 15:03:53

Channel Low



Date: 8JUL.2017 15:01:01

Channel Mid

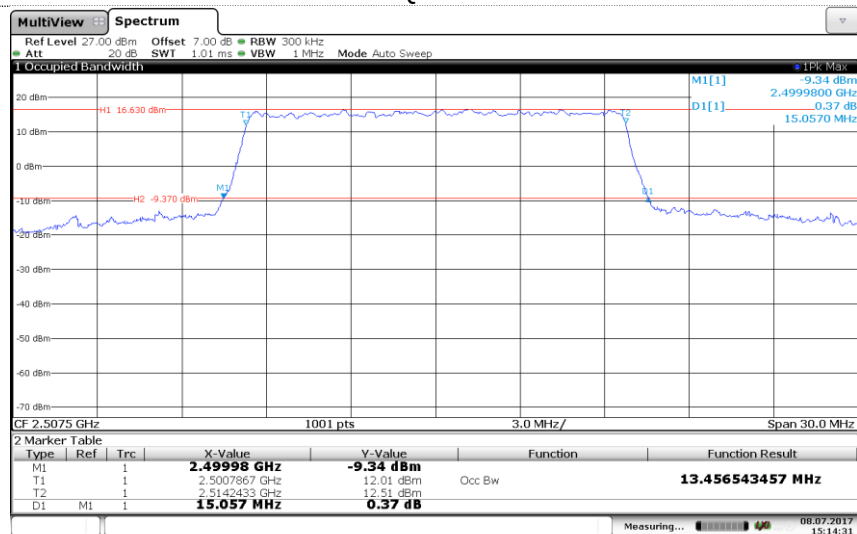


Date: 8JUL.2017 15:05:13

Channel High

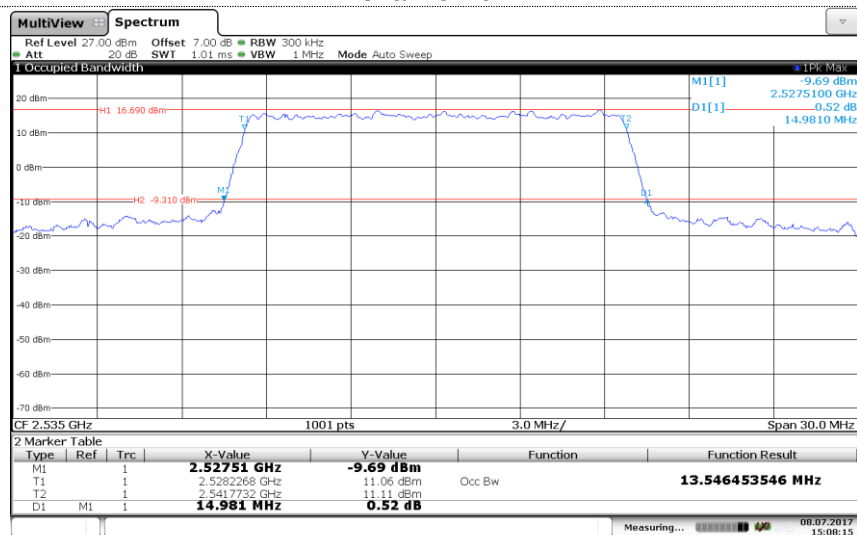
LTE Band 7-15MHz

QPSK



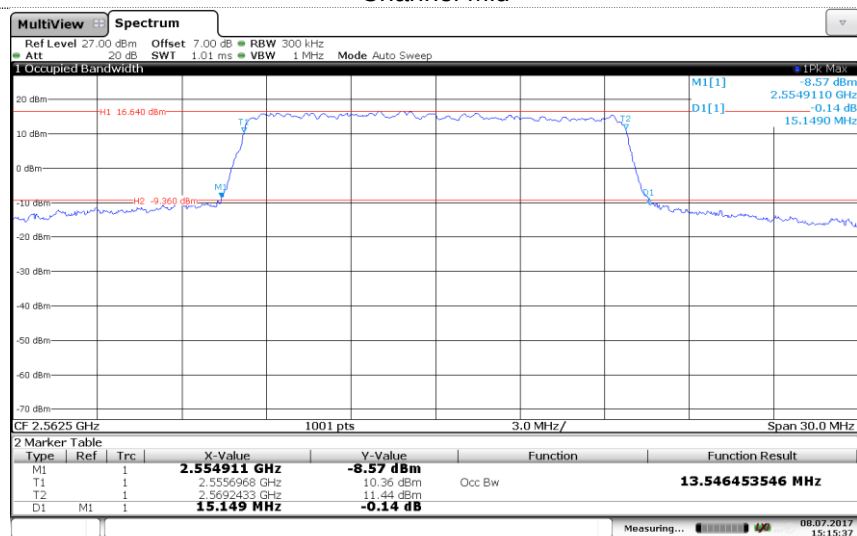
Date: 8.JUL.2017 15:14:31

Channel Low



Date: 8.JUL.2017 15:08:15

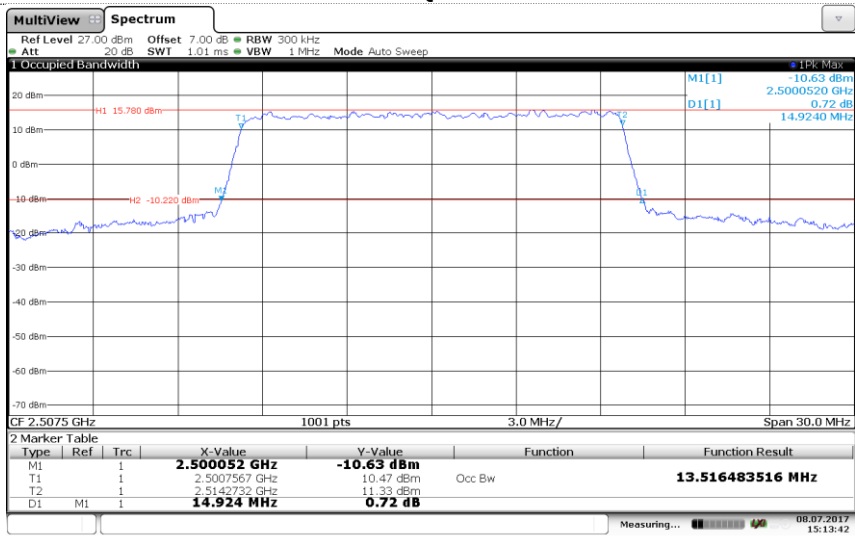
Channel Mid



Date: 8.JUL.2017 15:15:37

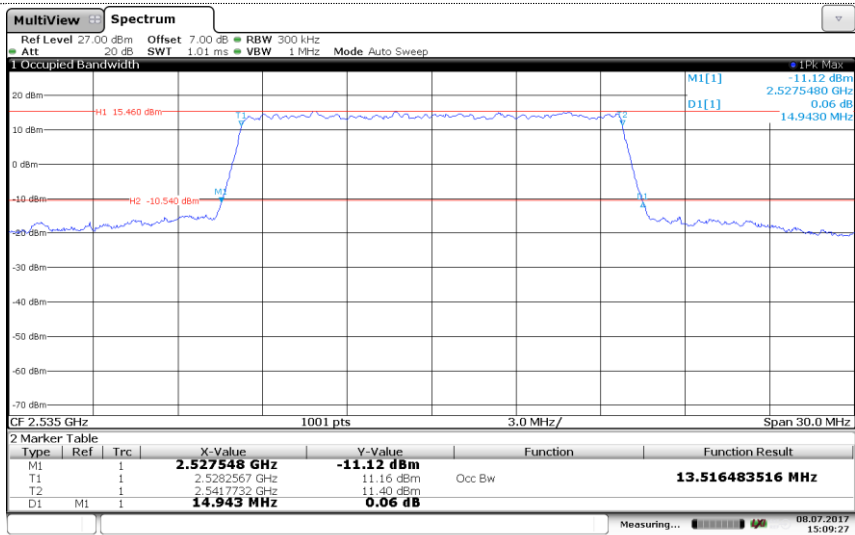
Channel High

LTE Band 7-15MHz
16QAM



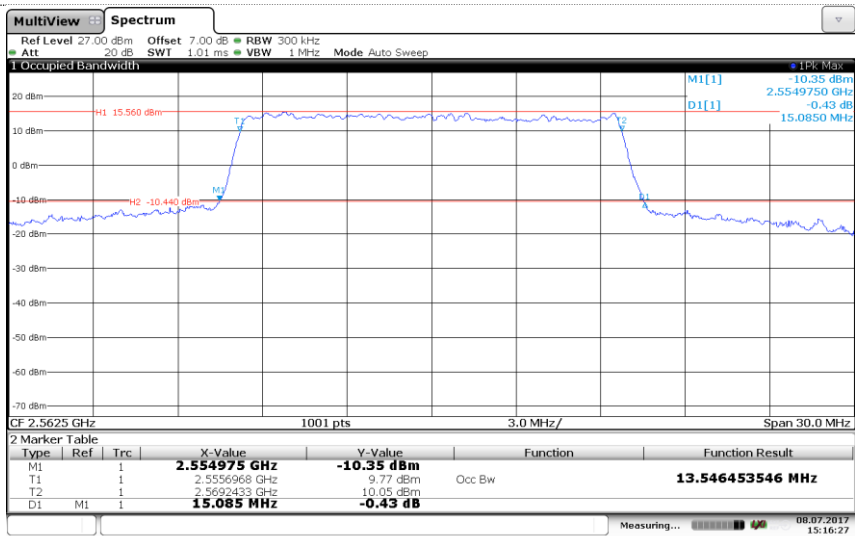
Date: 8.JUL.2017 15:13:41

Channel Low



Date: 8.JUL.2017 15:09:27

Channel Mid

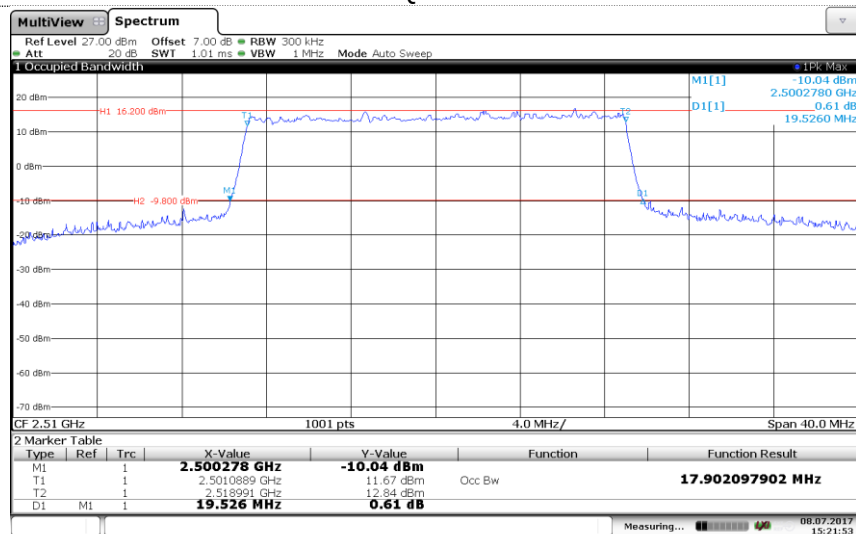


Date: 8.JUL.2017 15:16:26

Channel High

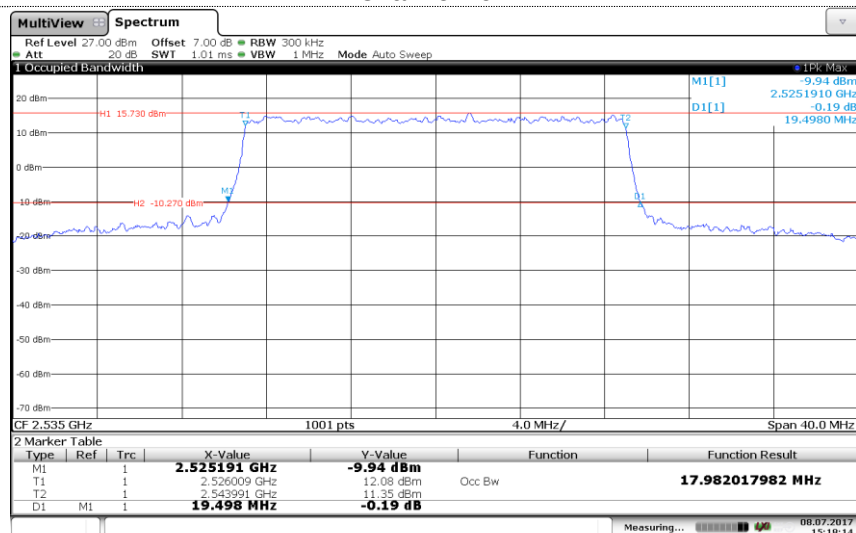
LTE Band 7-20MHz

QPSK



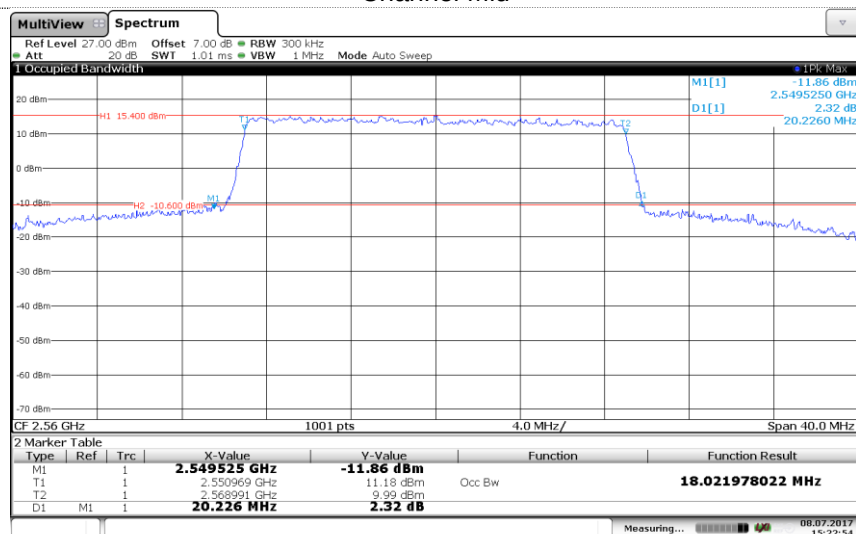
Date: 8JUL.2017 15:21:53

Channel Low



Date: 8JUL.2017 15:18:14

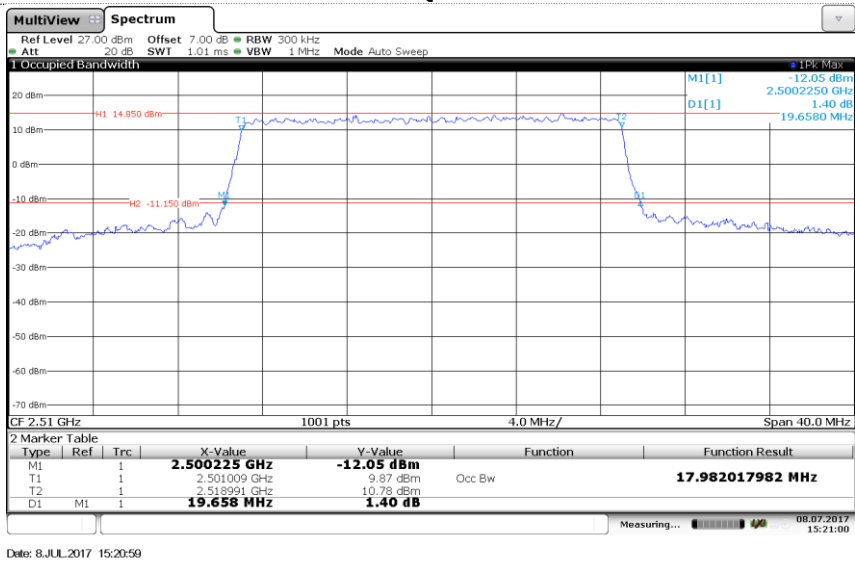
Channel Mid



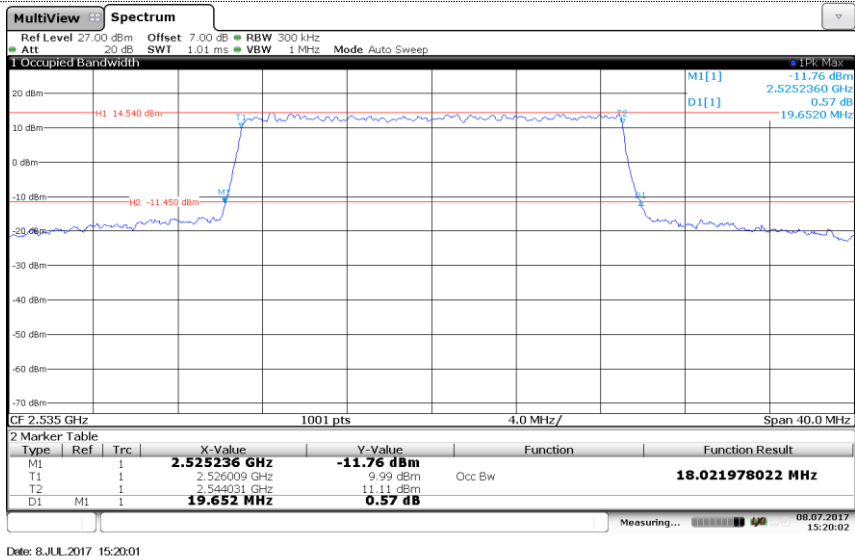
Date: 8JUL.2017 15:22:54

Channel High

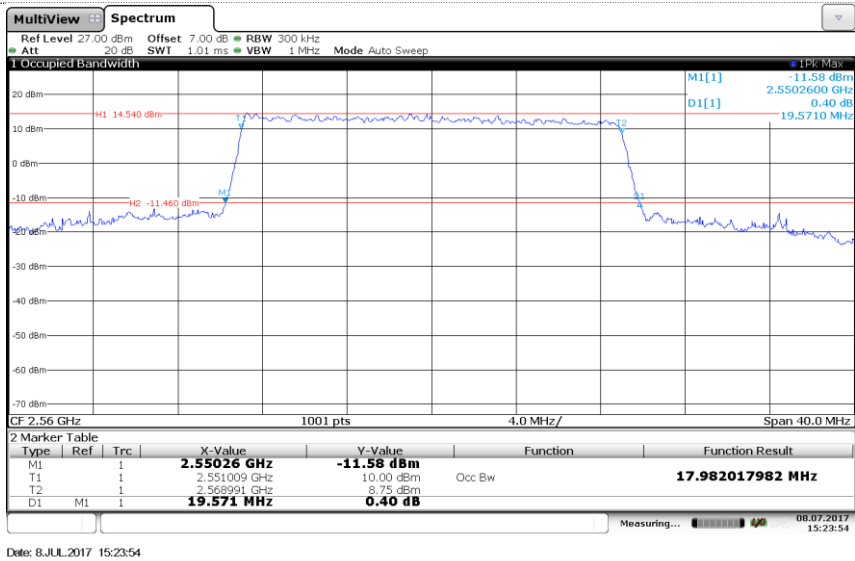
LTE Band 7-20MHz
16QAM



Channel Low



Channel Mid



Channel High

5.3. Conducted Spurious Emissions

LIMIT

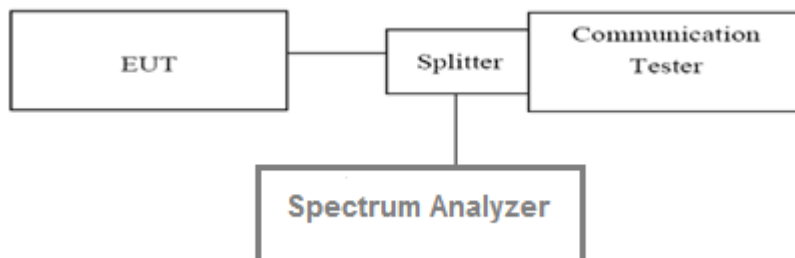
Part 24.238 and Part 22.917 and Part 27.53 h(1) specify that the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

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. Limit <-25 dBm

TEST CONFIGURATION



TEST PROCEDURE

1. The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation.
2. The resolution bandwidth of the spectrum analyzer was set at 1MHz, sufficient scans were taken to show the out of band Emissions if any up to 10th harmonic.
3. For the out of band: Set the RBW= 1MHz, VBW = 3MHz, Start=30MHz, Stop= 10th harmonic.

TEST MODE:

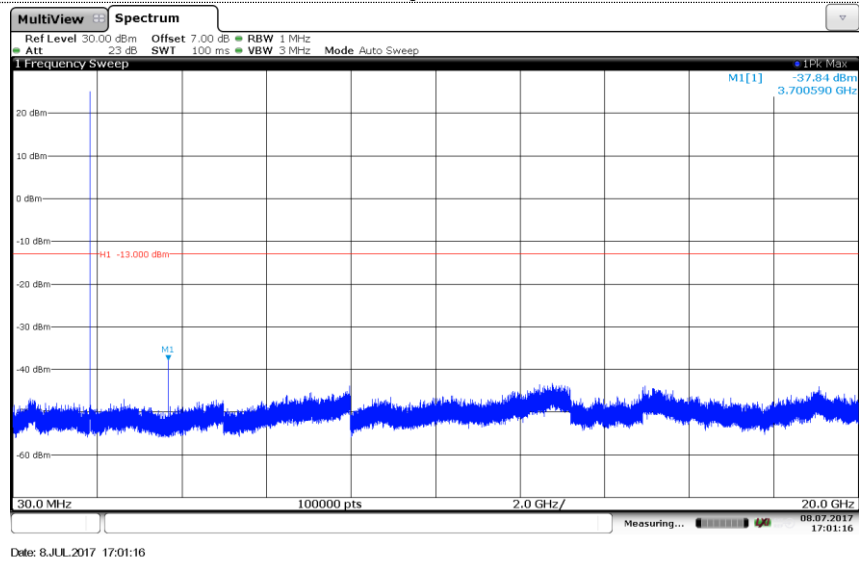
Please refer to the clause 3.3

TEST RESULTS

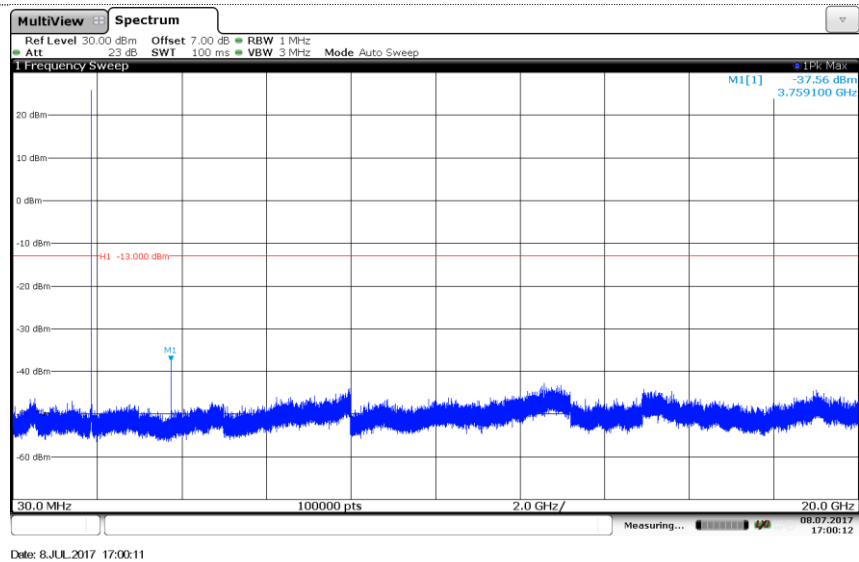
☒ Passed ☐ Not Applicable

LTE Band 2-1.4MHz

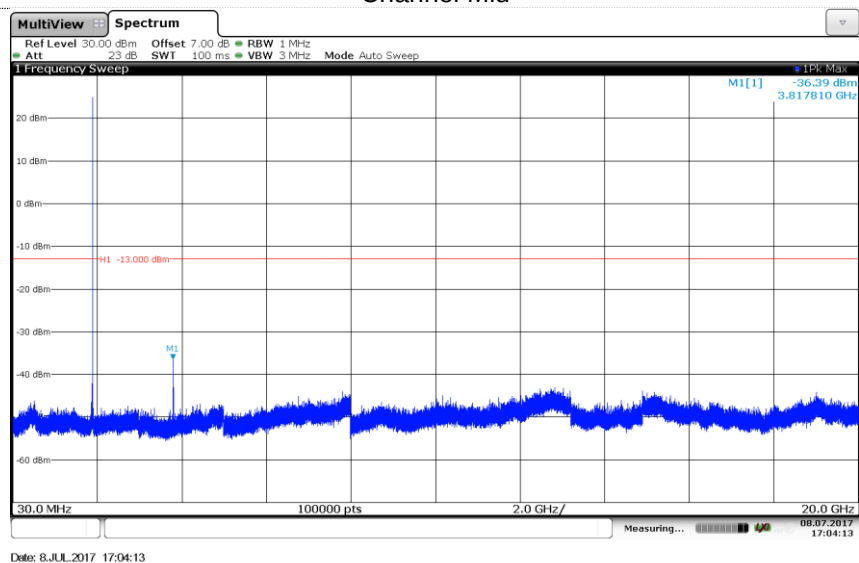
QPSK



Channel Low



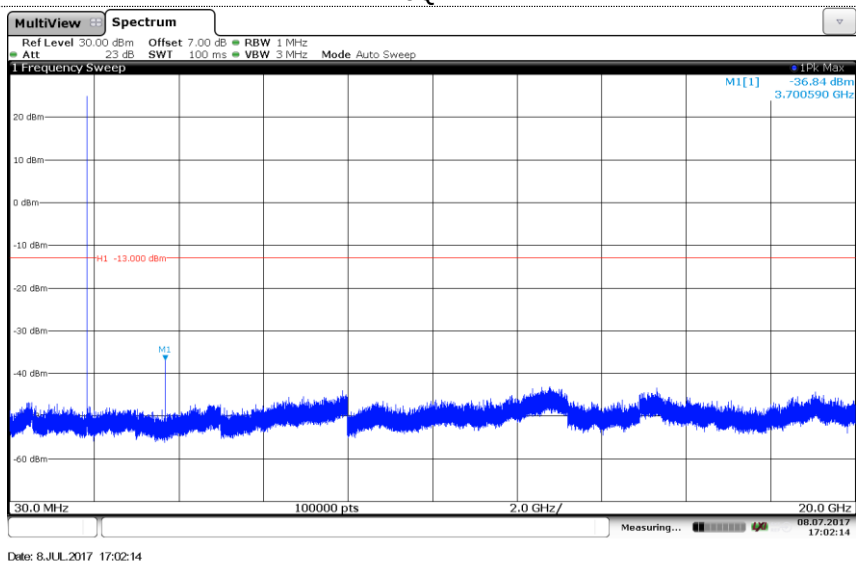
Channel Mid



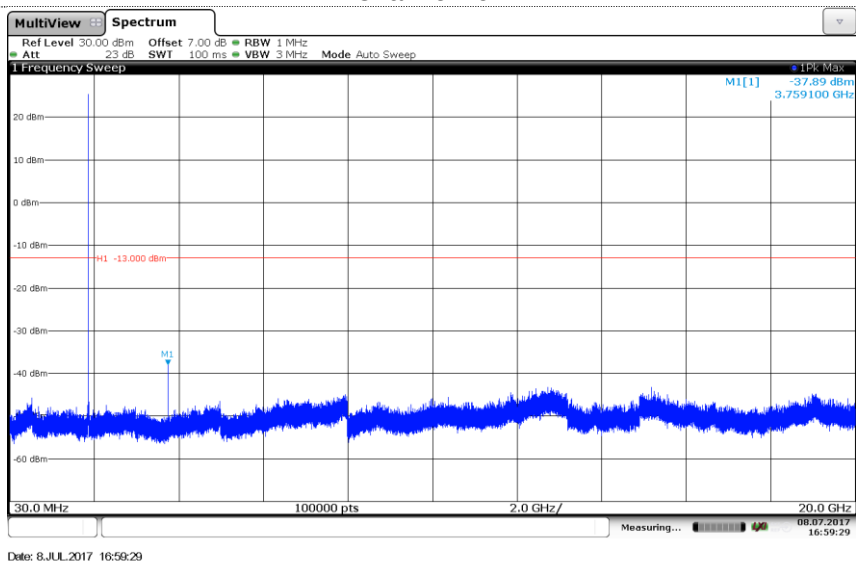
Channel High

LTE Band 2-1.4MHz

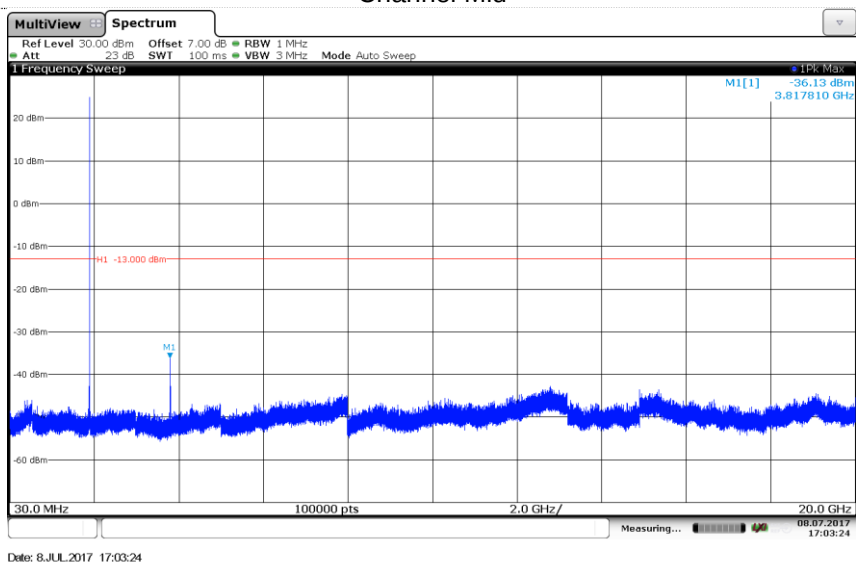
16QAM



Channel Low

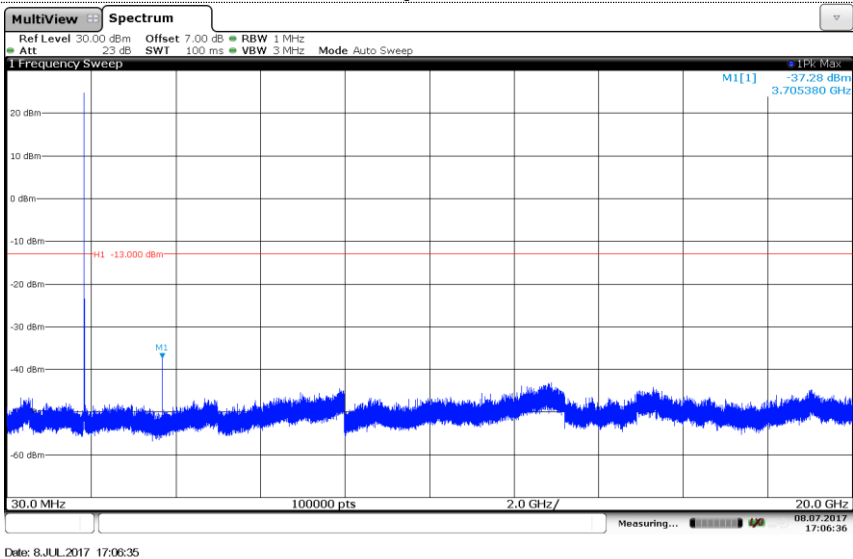


Channel Mid

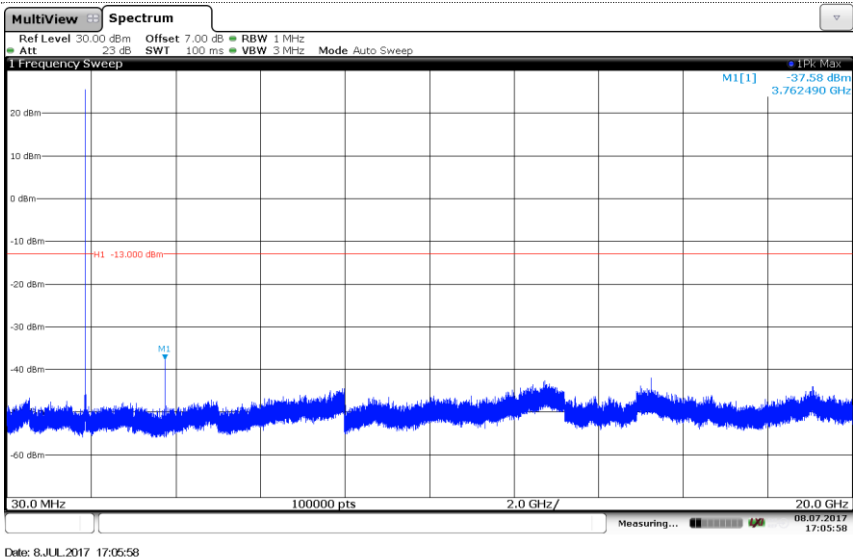


Channel High

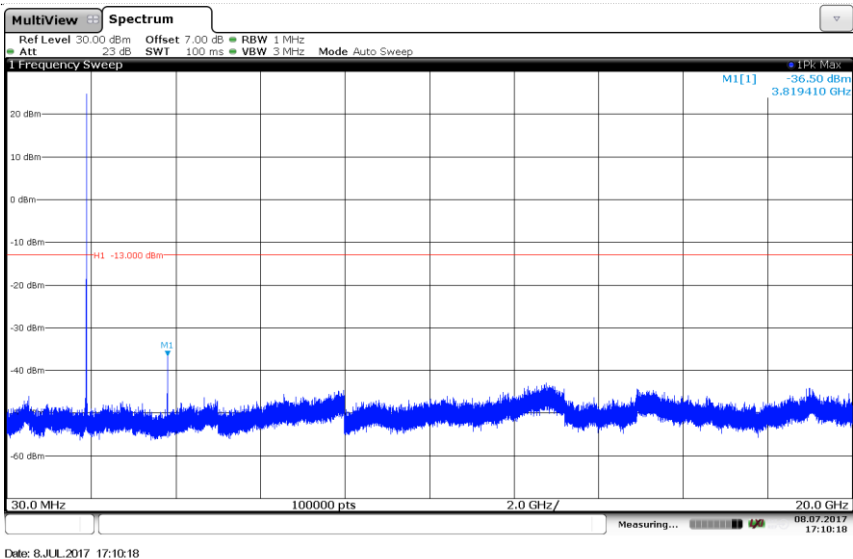
LTE Band 2-3MHz
QPSK



Channel Low

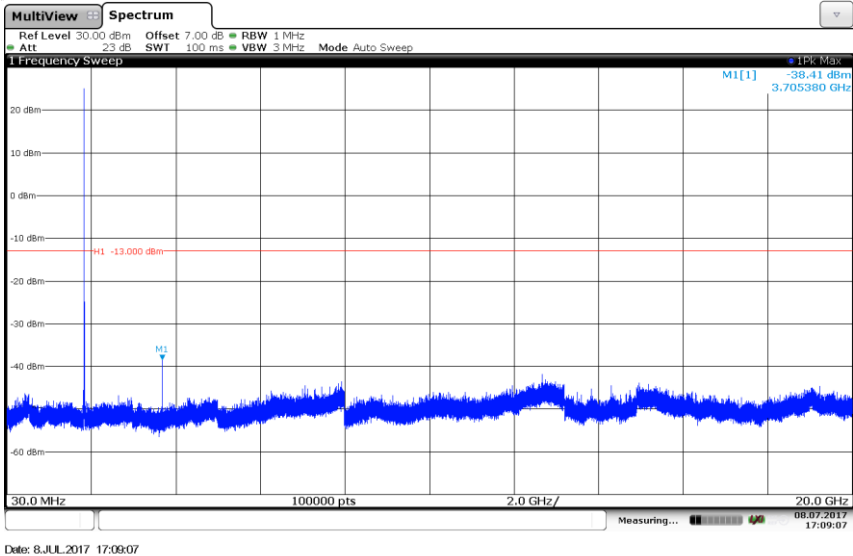


Channel Mid

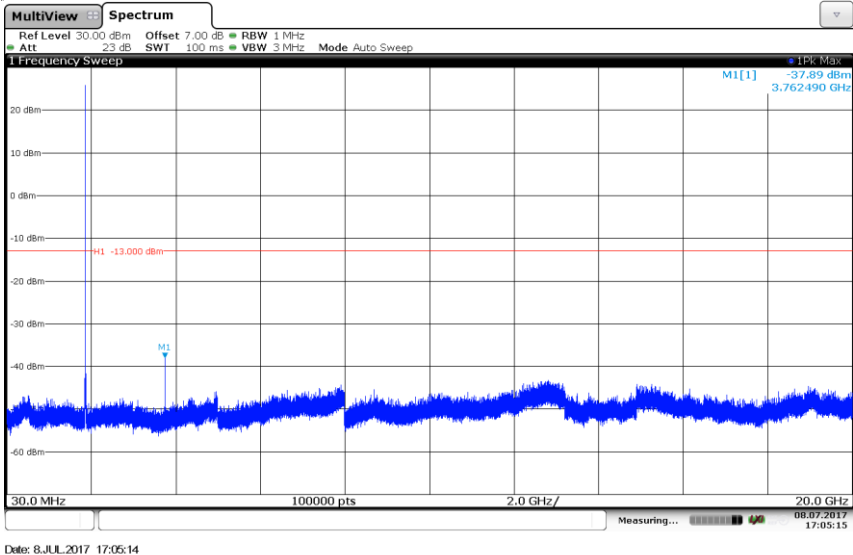


Channel High

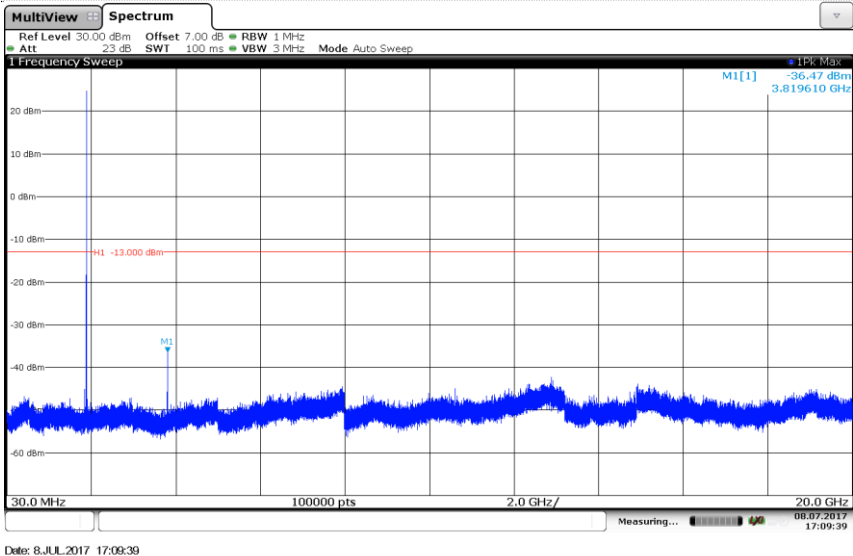
LTE Band 2-3MHz
16QAM



Channel Low



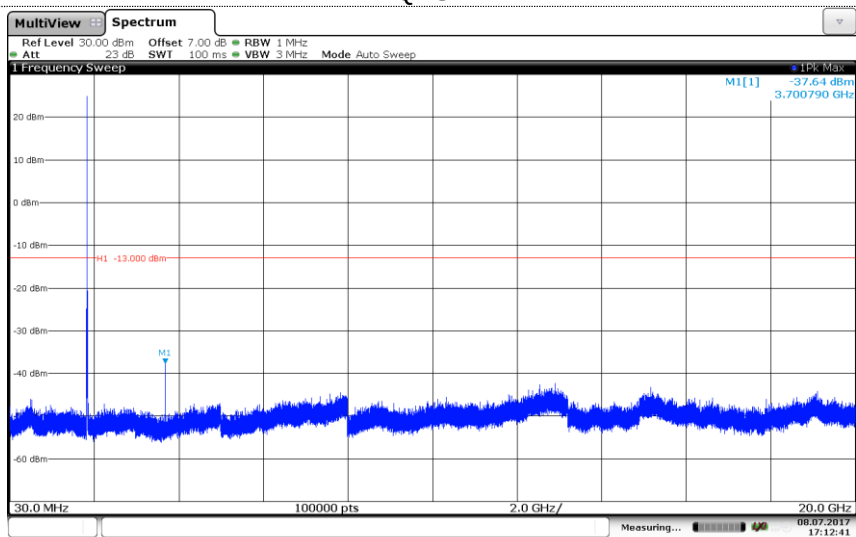
Channel Mid



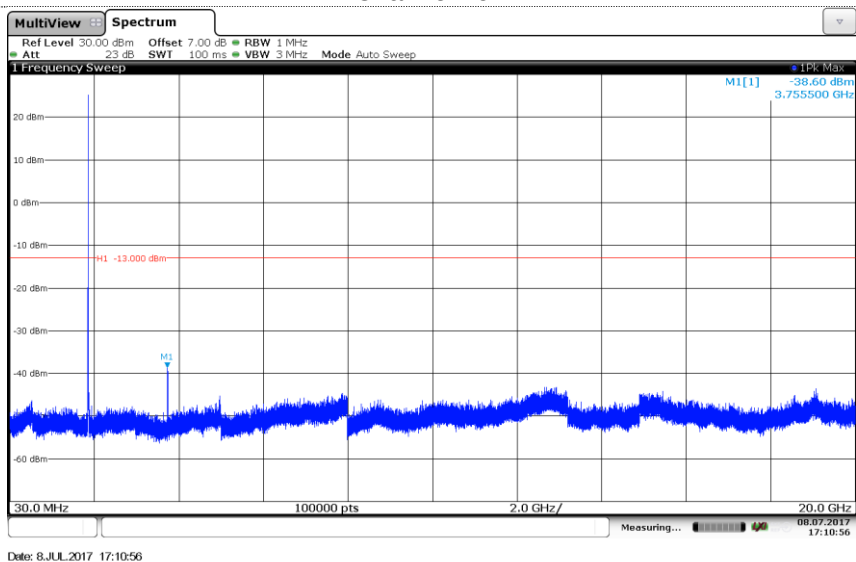
Channel High

LTE Band 2-5MHz

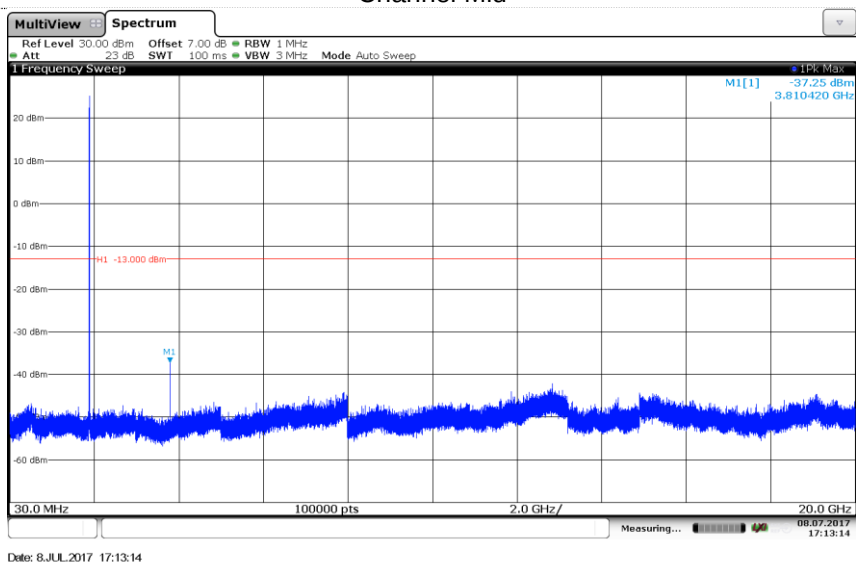
QPSK



Channel Low

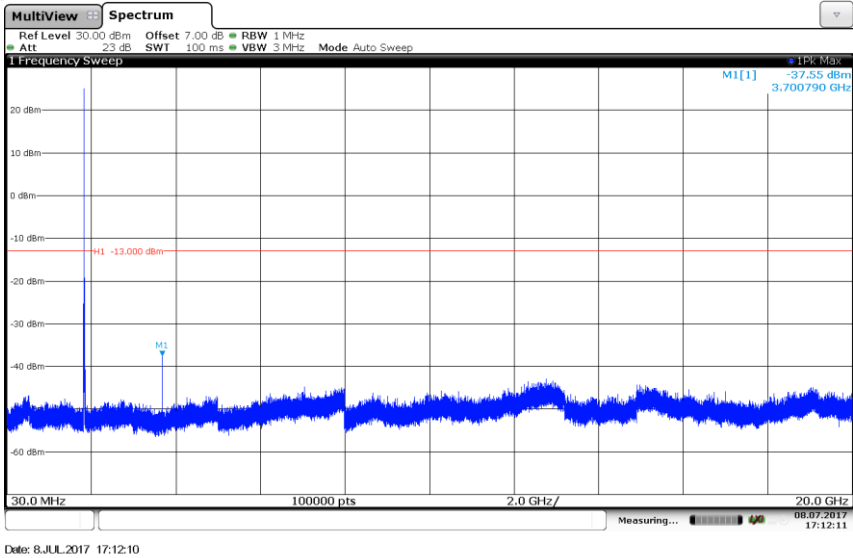


Channel Mid

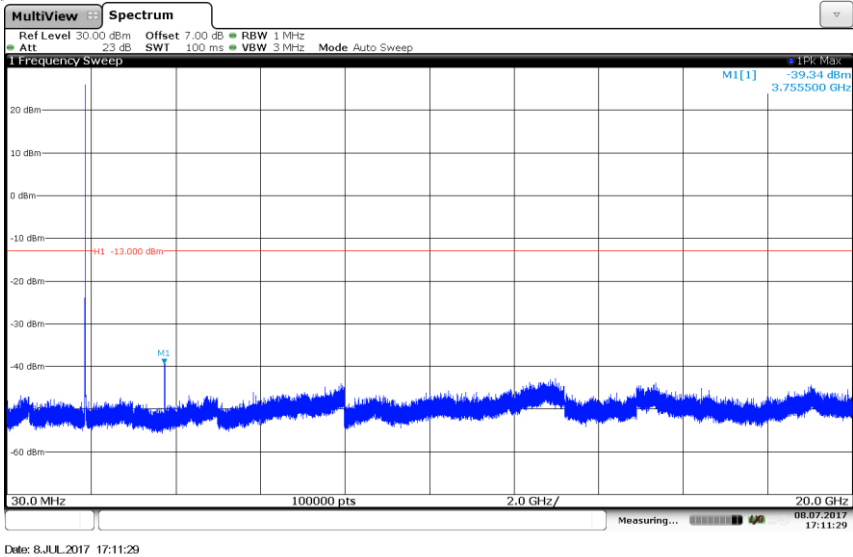


Channel High

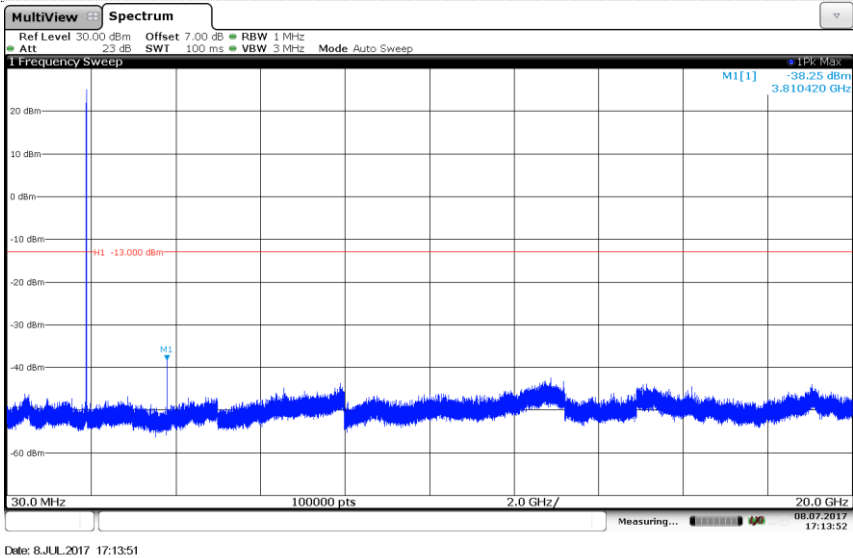
LTE Band 2-5MHz
16QAM



Channel Low



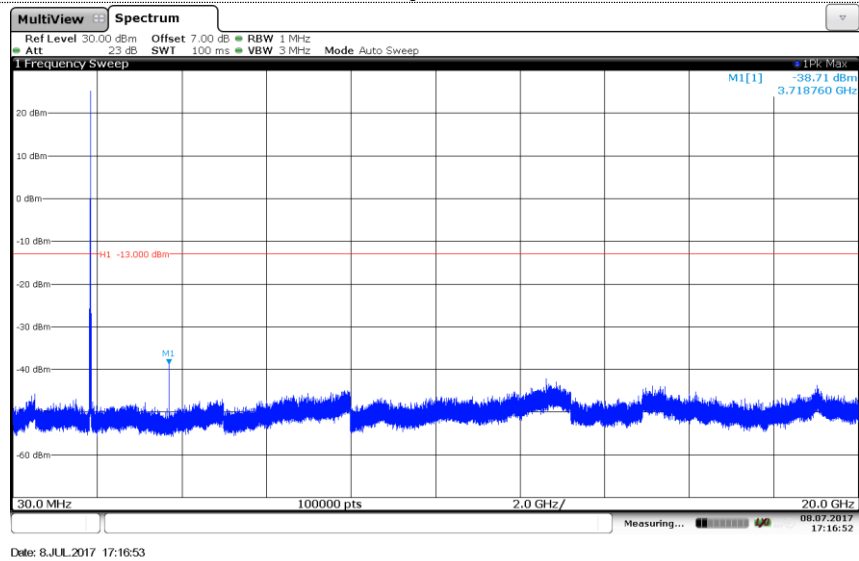
Channel Mid



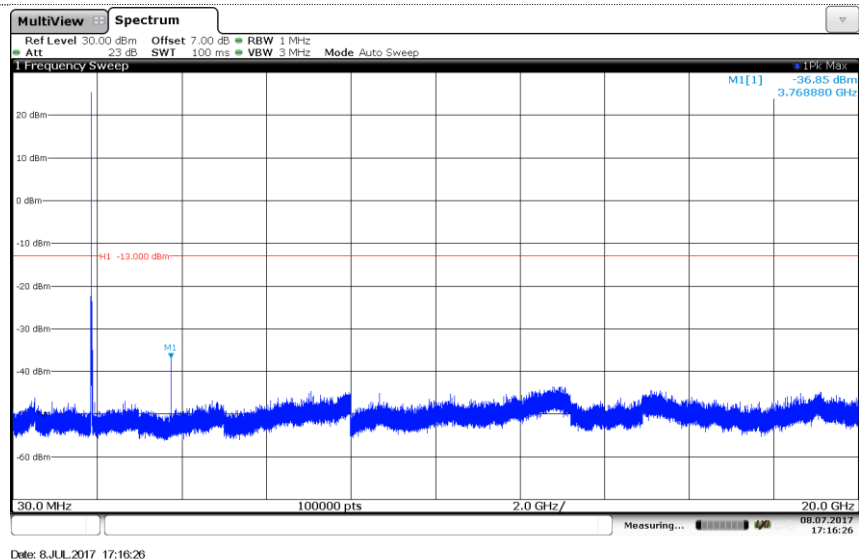
Channel High

LTE Band 2-10MHz

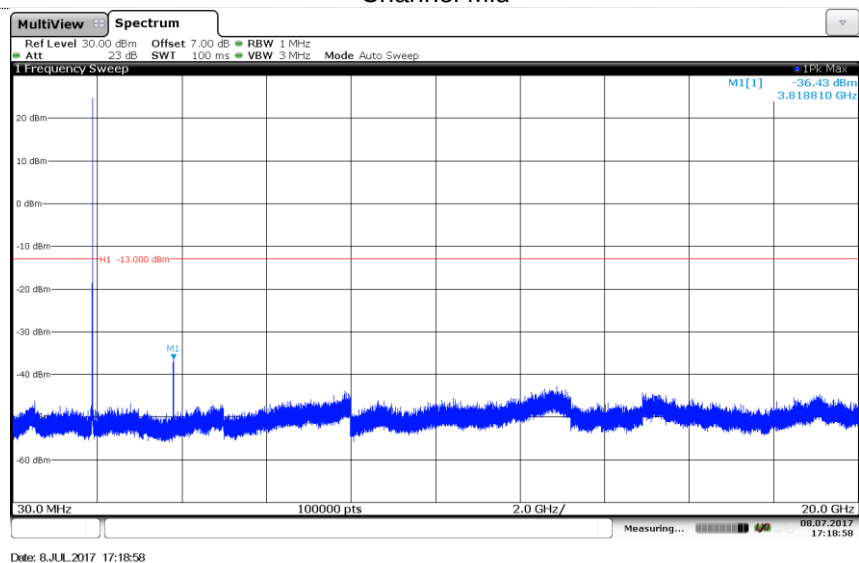
QPSK



Channel Low

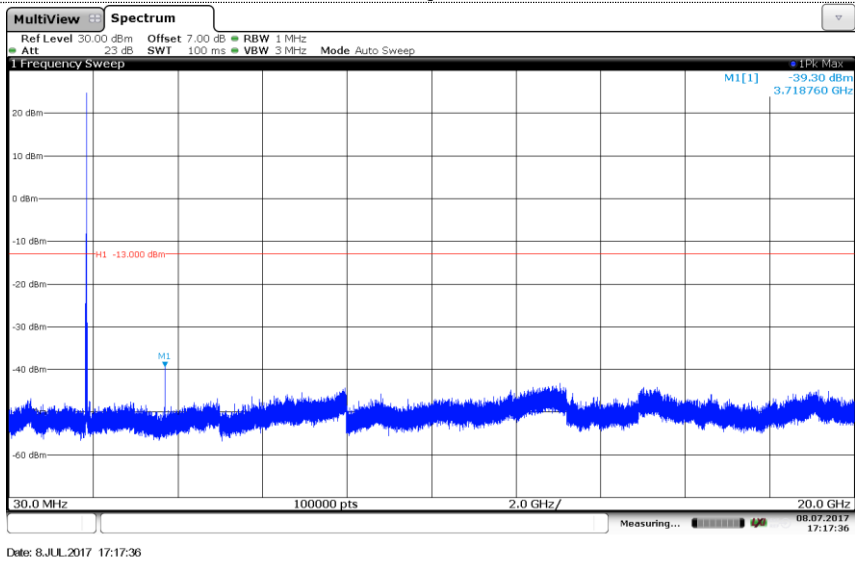


Channel Mid

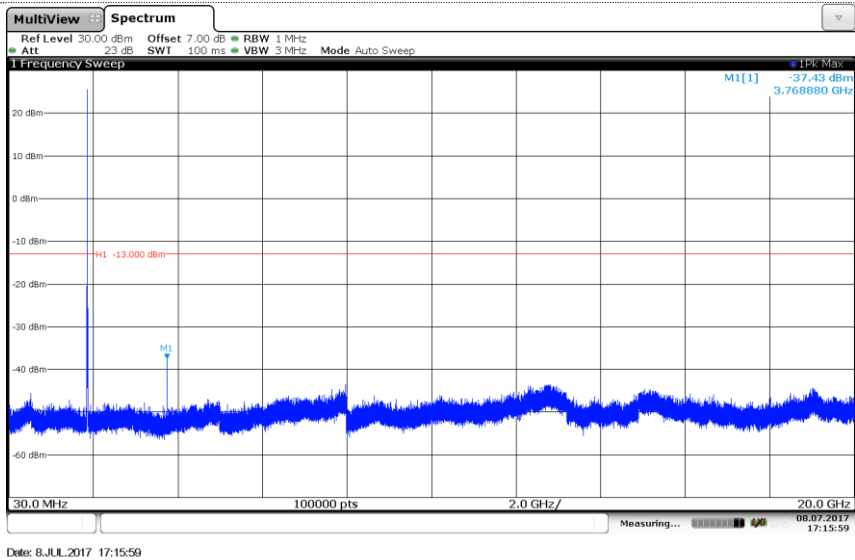


Channel High

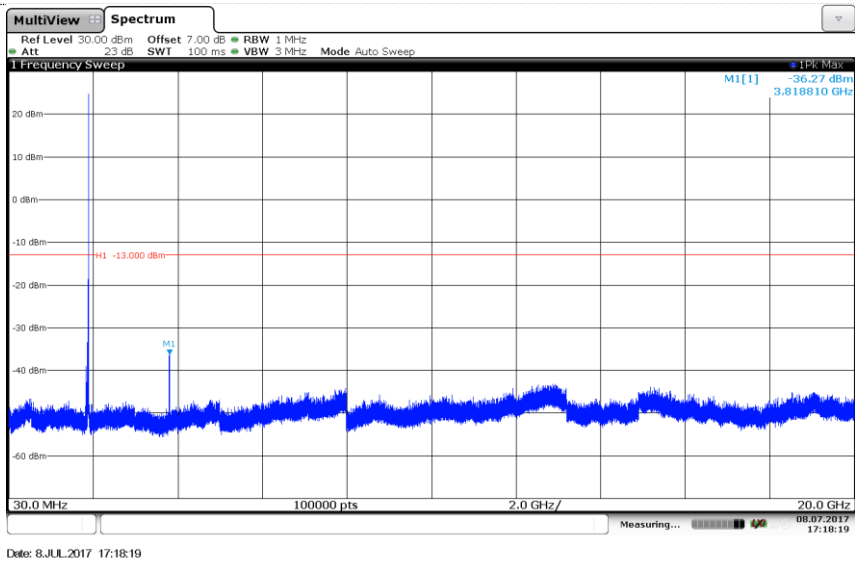
LTE Band 2-10MHz
16QAM



Channel Low

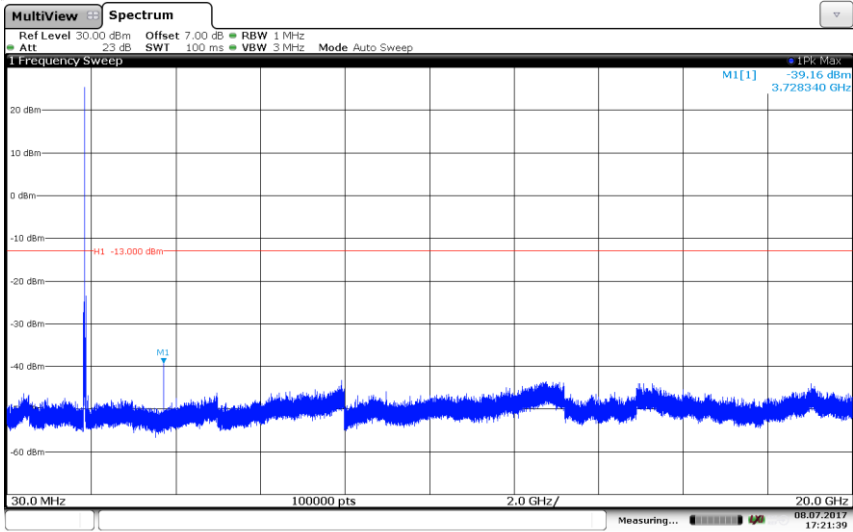


Channel Mid



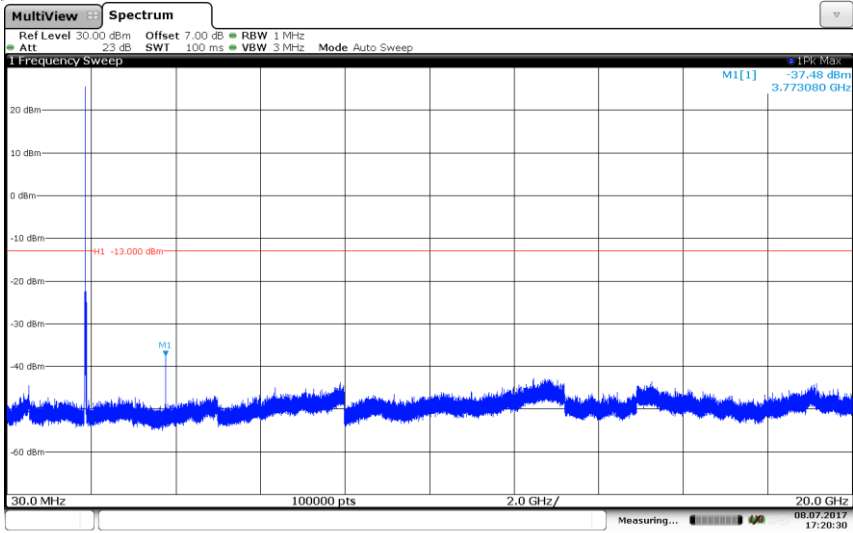
Channel High

LTE Band 2-15MHz
QPSK



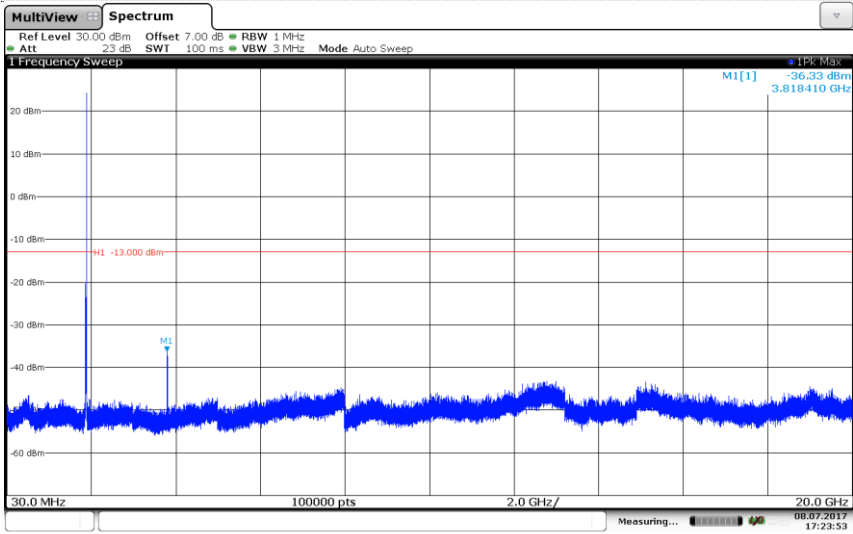
Date: 8.JUL.2017 17:21:40

Channel Low



Date: 8.JUL.2017 17:20:30

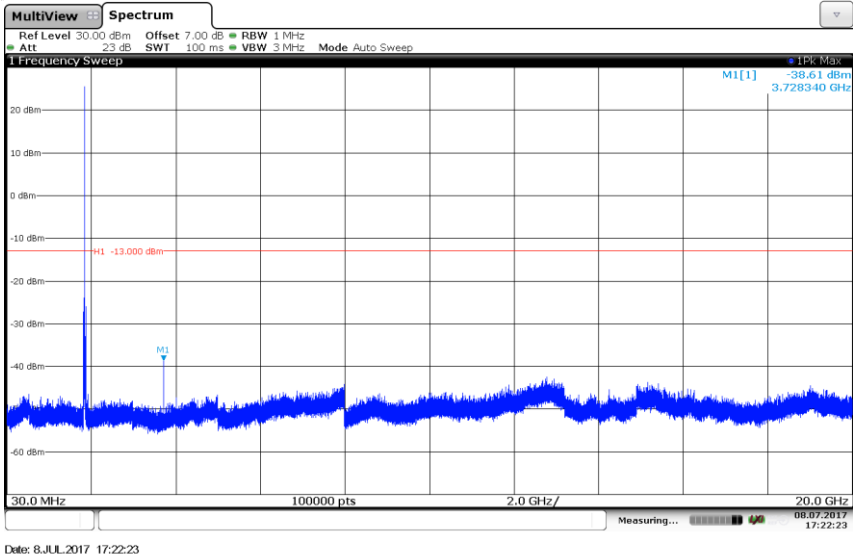
Channel Mid



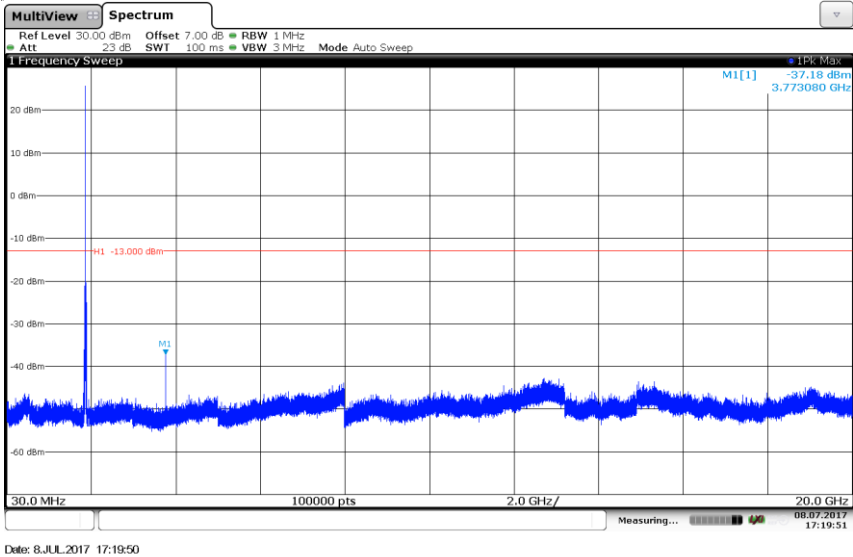
Date: 8.JUL.2017 17:23:53

Channel High

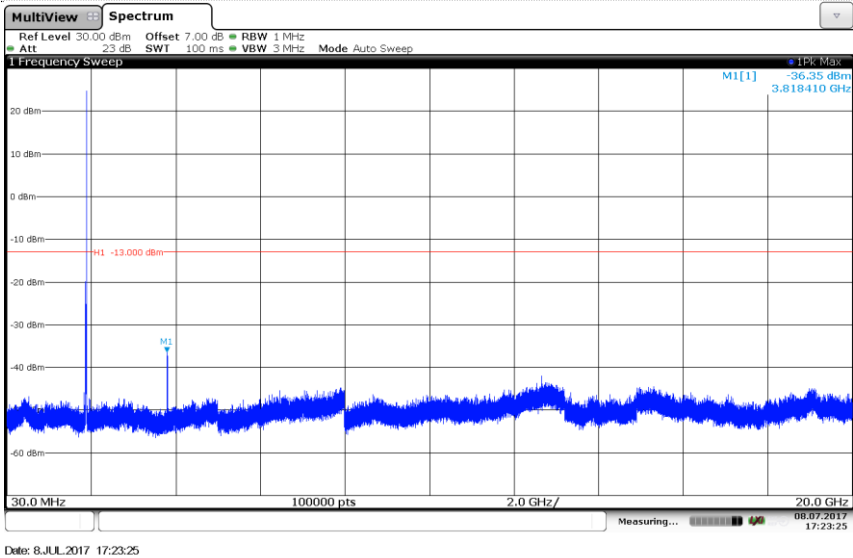
LTE Band 2-15MHz
16QAM



Channel Low

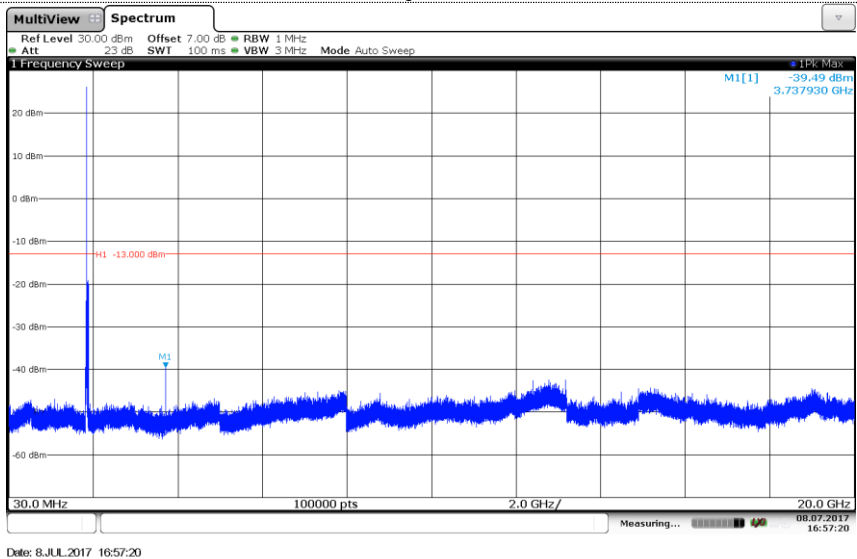


Channel Mid

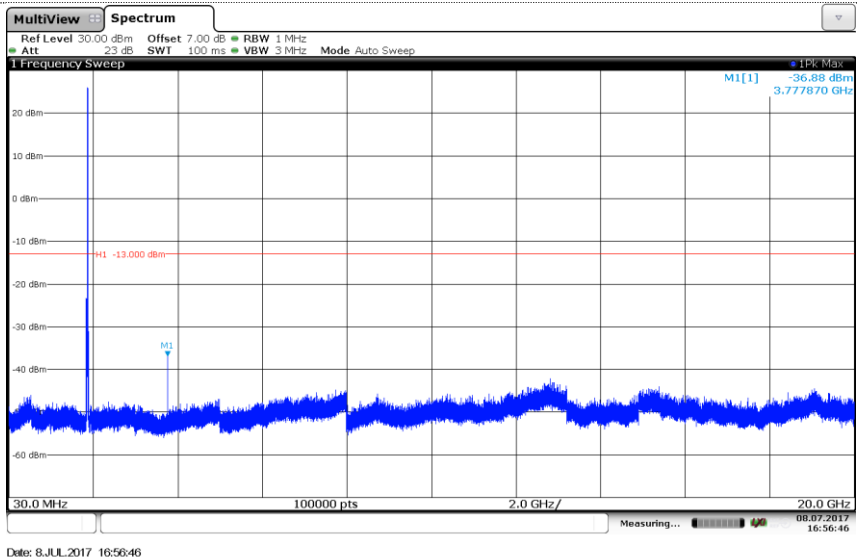


Channel High

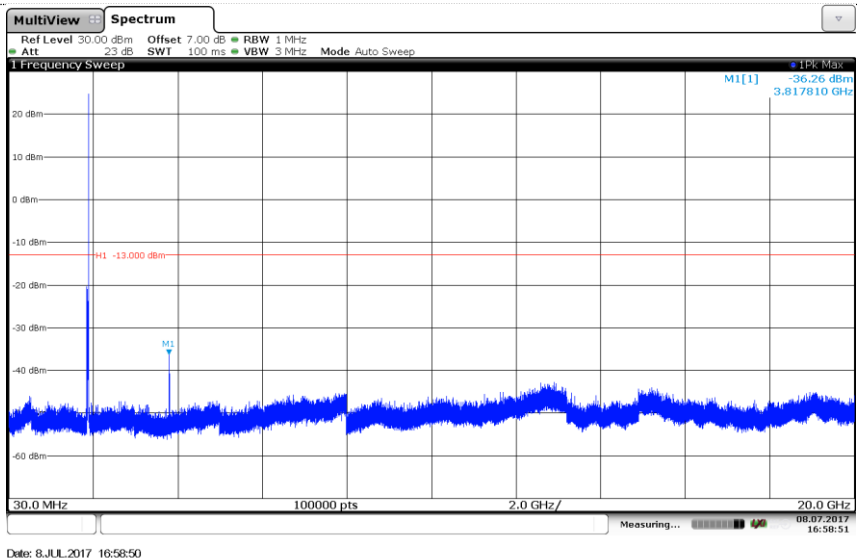
LTE Band 2-20MHz
QPSK



Channel Low

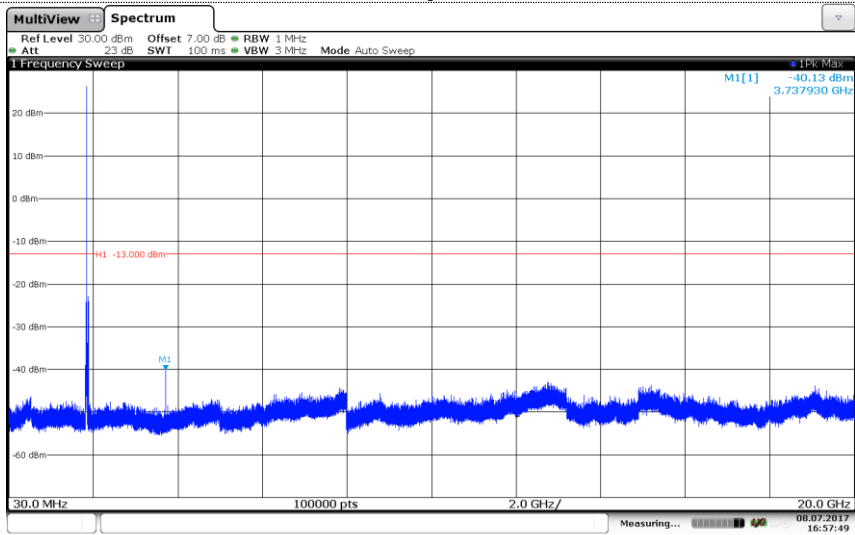


Channel Mid



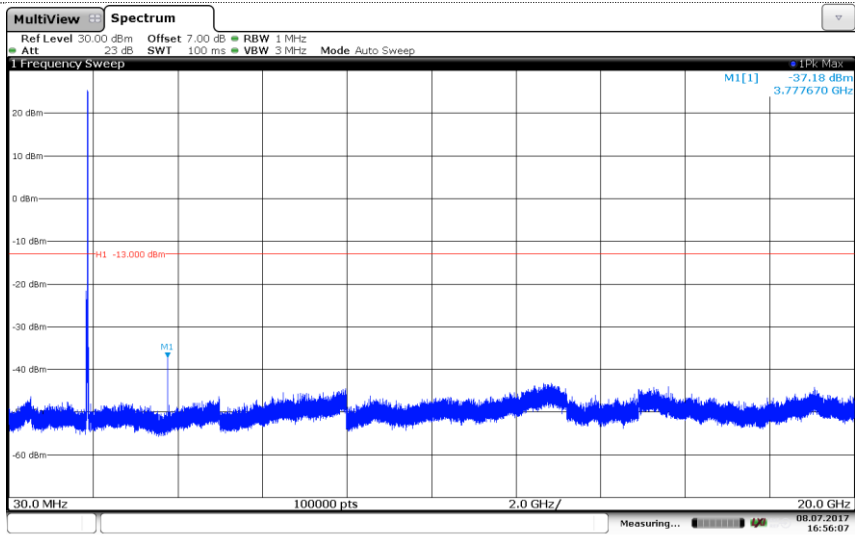
Channel High

LTE Band 2-20MHz
16QAM



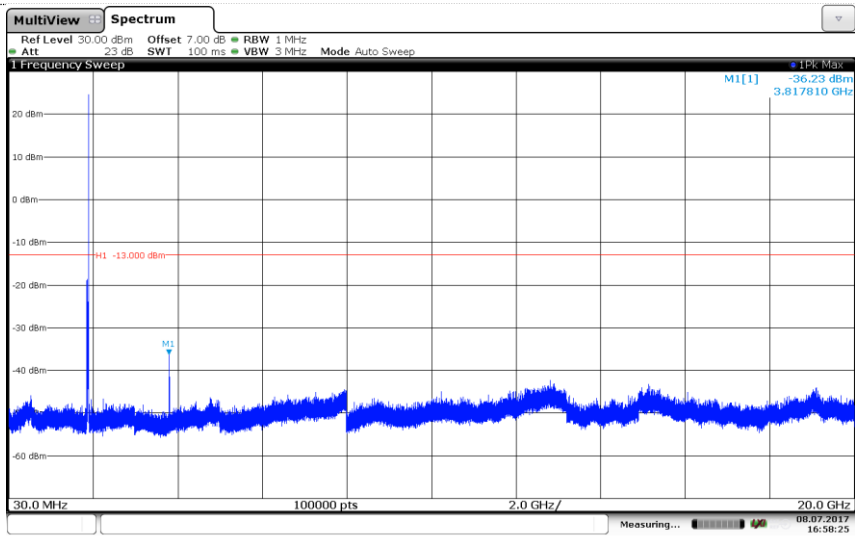
Date: 8.JUL.2017 16:57:49

Channel Low



Date: 8.JUL.2017 16:56:07

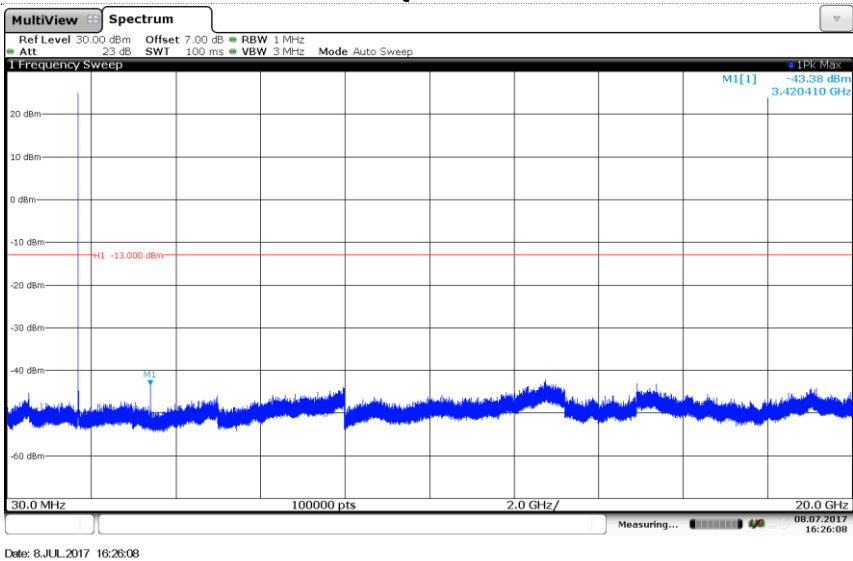
Channel Mid



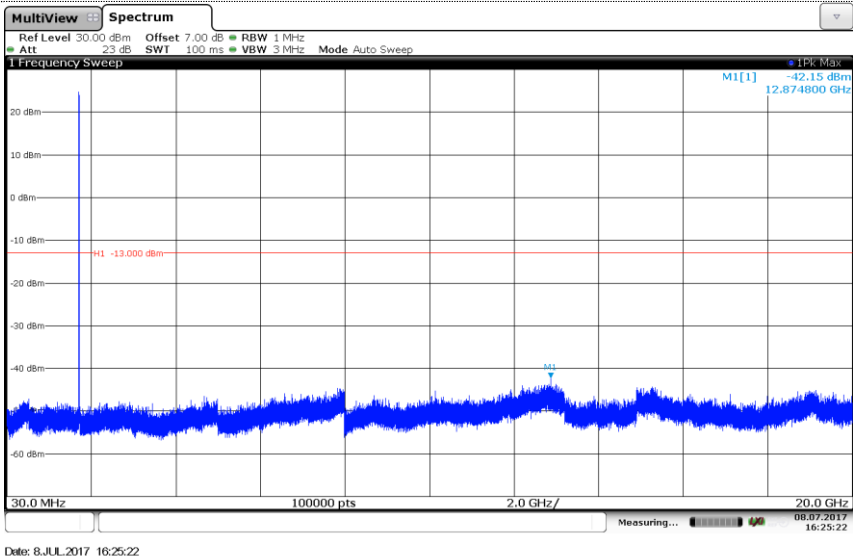
Date: 8.JUL.2017 16:58:25

Channel High

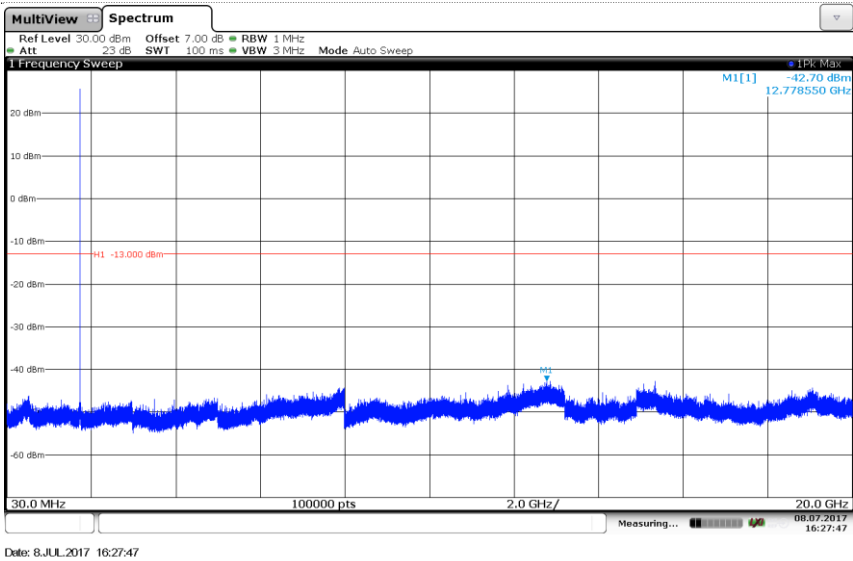
LTE Band 4-1.4MHz
QPSK



Channel Low

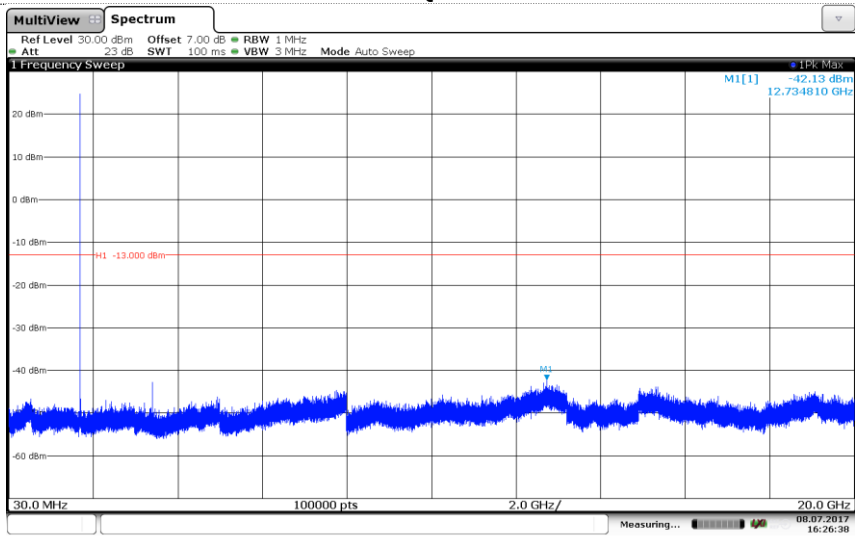


Channel Mid



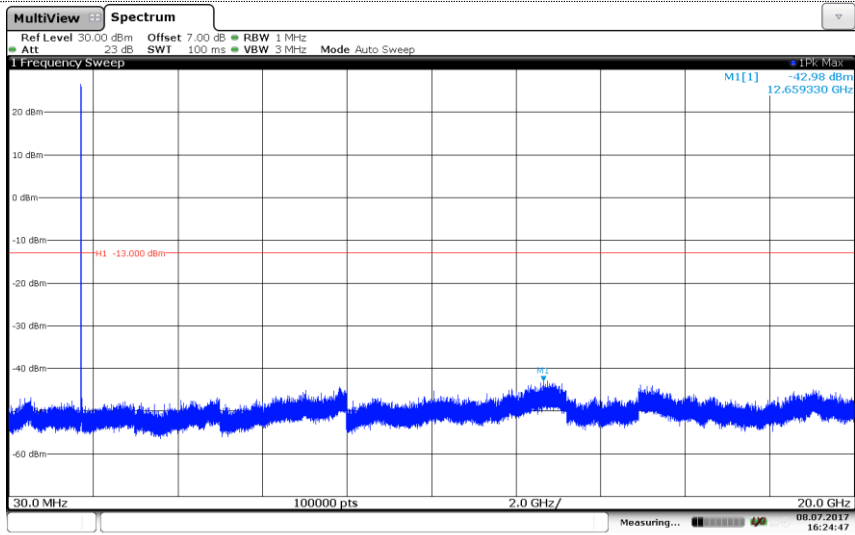
Channel High

LTE Band 4-1.4MHz
16QAM



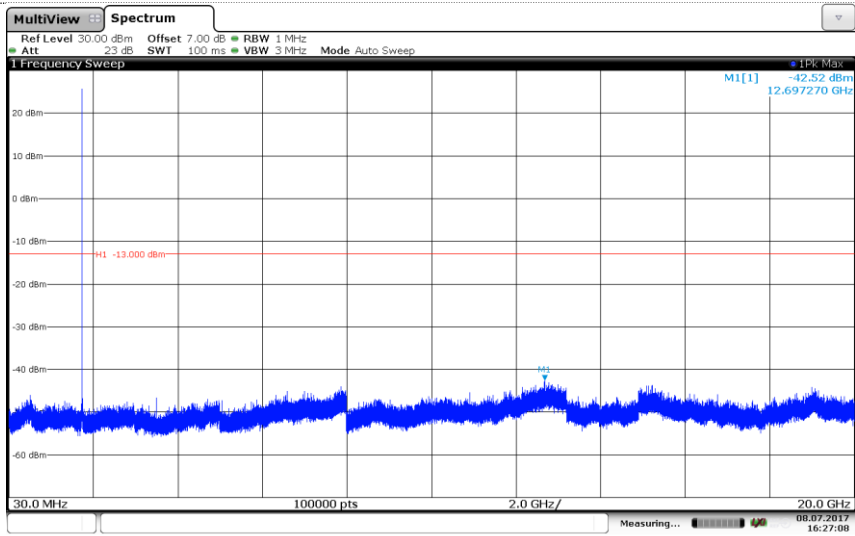
Date: 8.JUL.2017 16:26:37

Channel Low



Date: 8.JUL.2017 16:24:47

Channel Mid



Date: 8.JUL.2017 16:27:08

Channel High