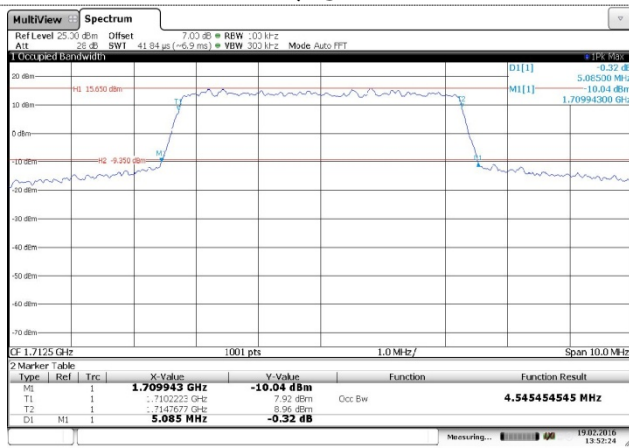
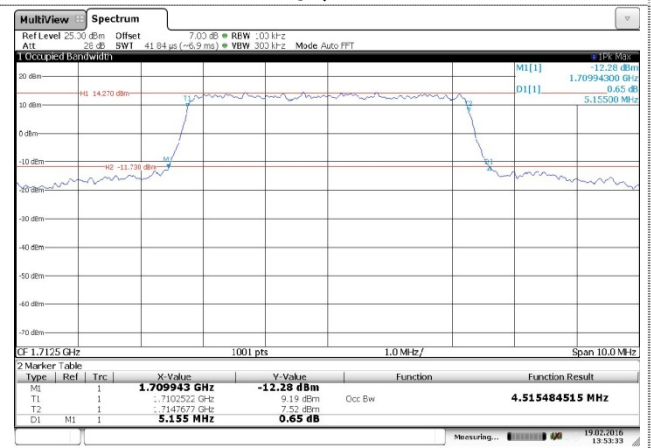


LTE Band 4-5MHz

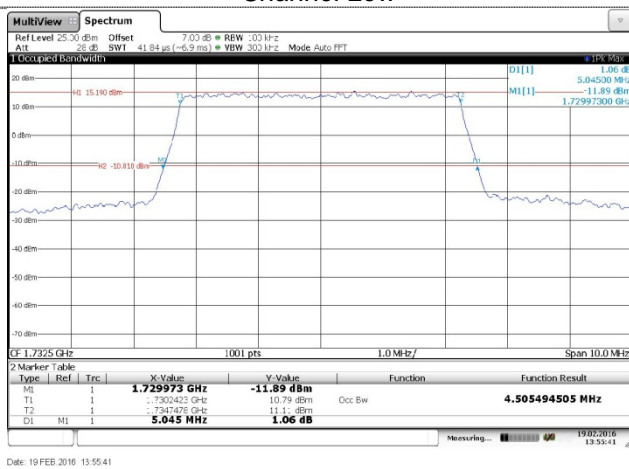
QPSK



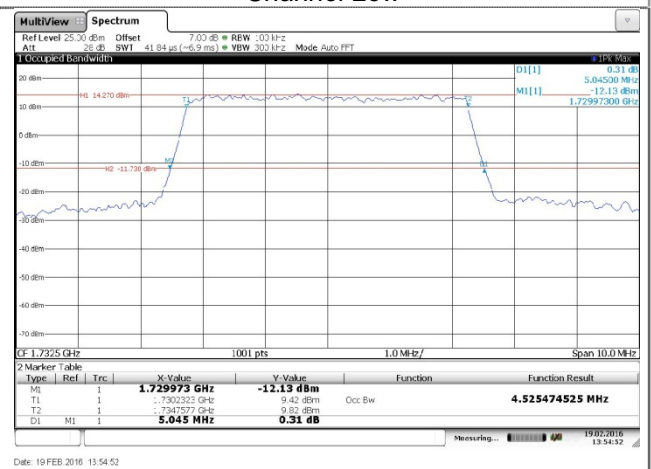
16QAM



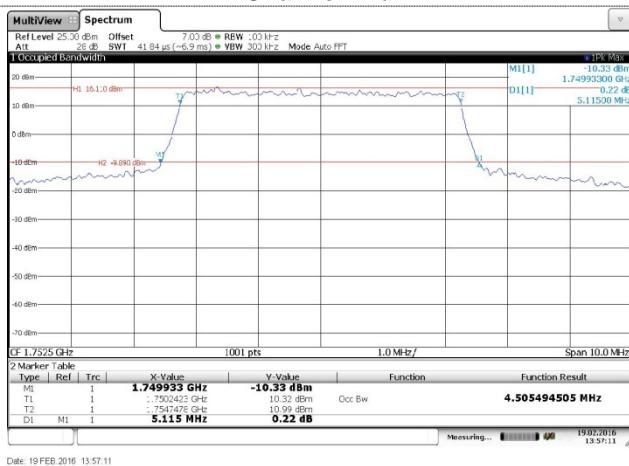
Channel Low



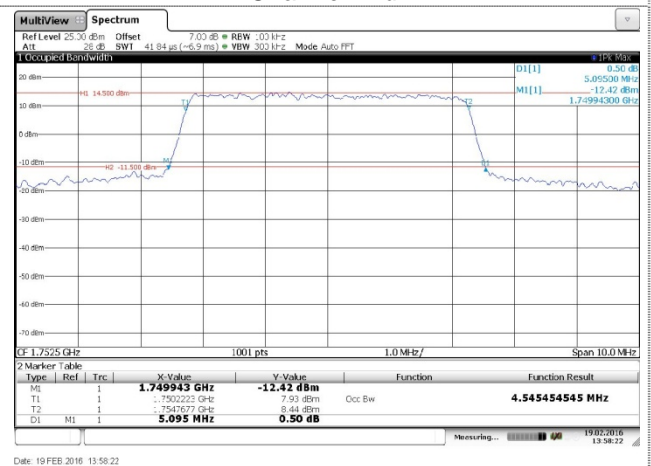
Channel Low



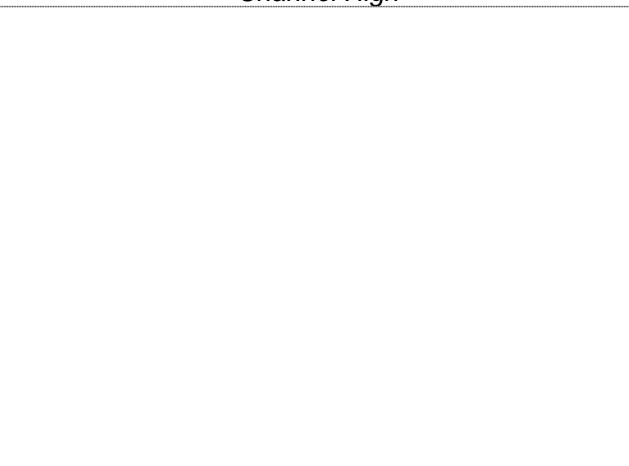
Channel Mid



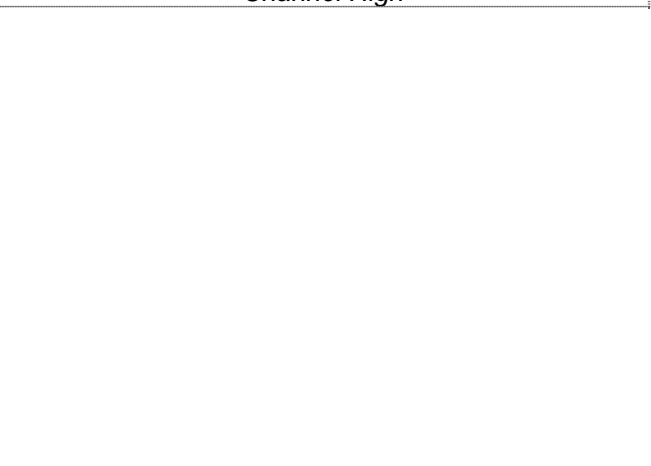
Channel Mid



Channel High

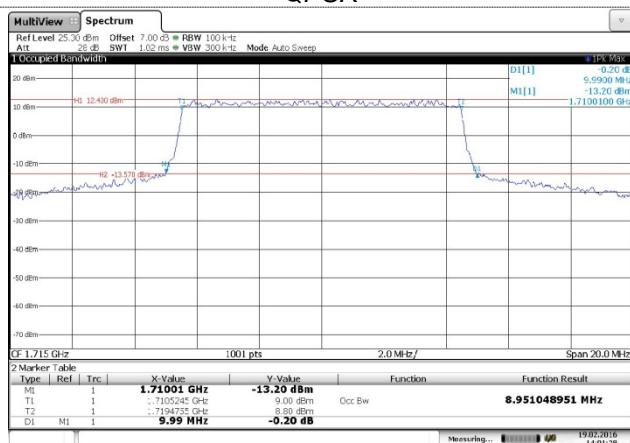


Channel High



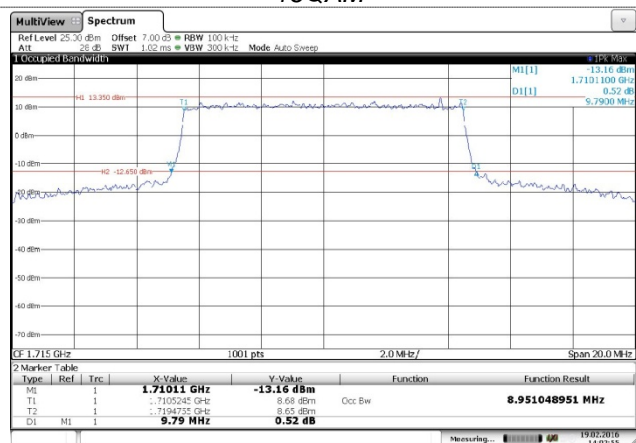
LTE Band 4-10MHz

QPSK



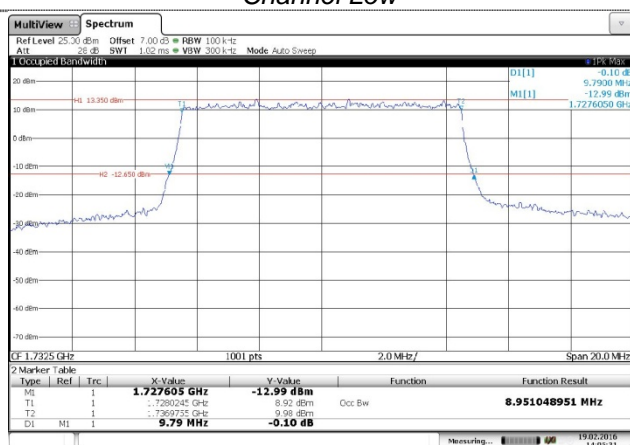
Date: 19 FEB 2016 14:01:28

16QAM



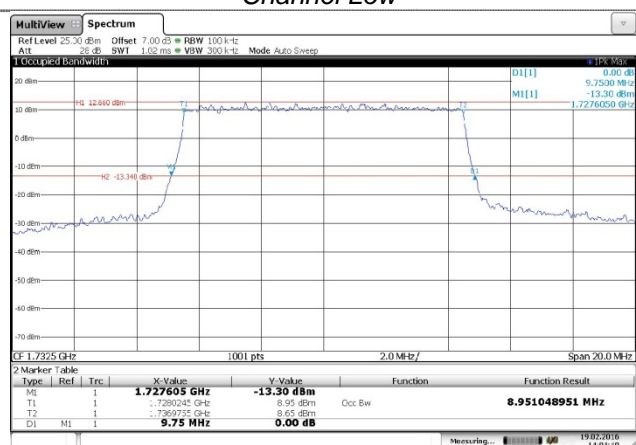
Date: 19 FEB 2016 14:02:55

Channel Low



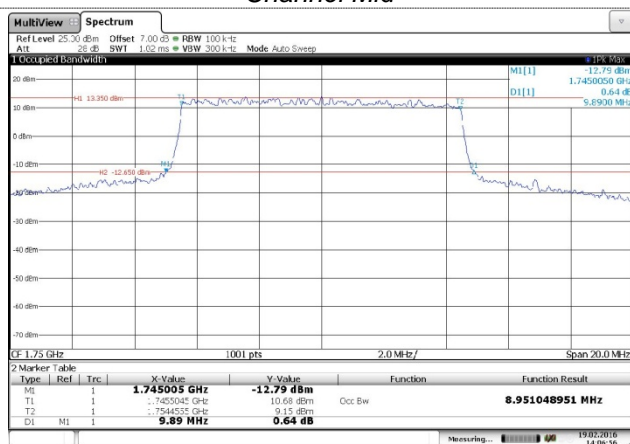
Date: 19 FEB 2016 14:05:31

Channel Low



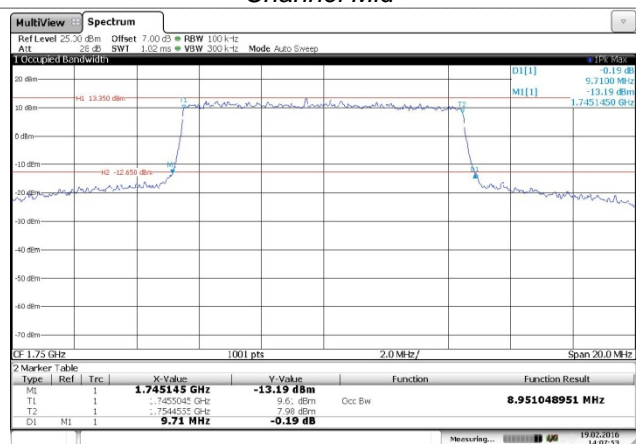
Date: 19 FEB 2016 14:04:40

Channel Mid



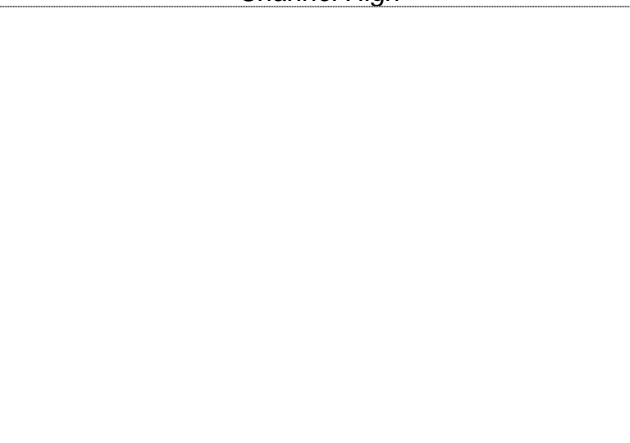
Date: 19 FEB 2016 14:06:36

Channel Mid



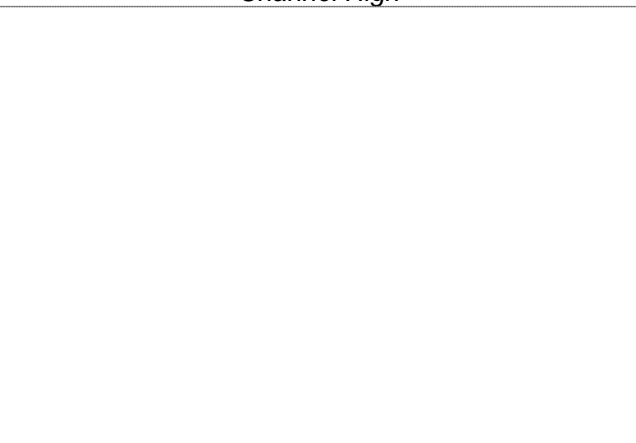
Date: 19 FEB 2016 14:07:53

Channel High



Date: 19 FEB 2016 14:06:36

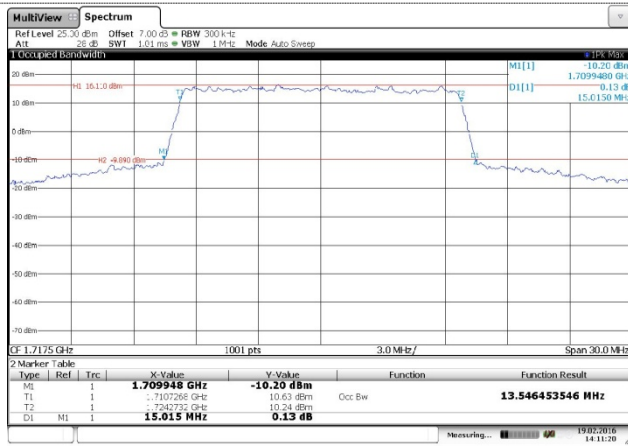
Channel High



Date: 19 FEB 2016 14:07:53

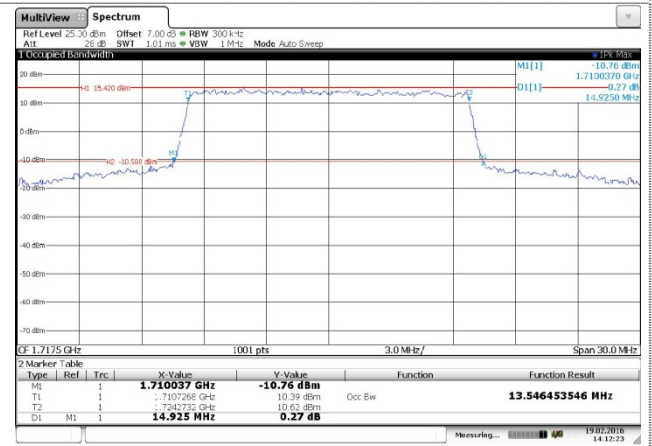
LTE Band 4-15MHz

QPSK



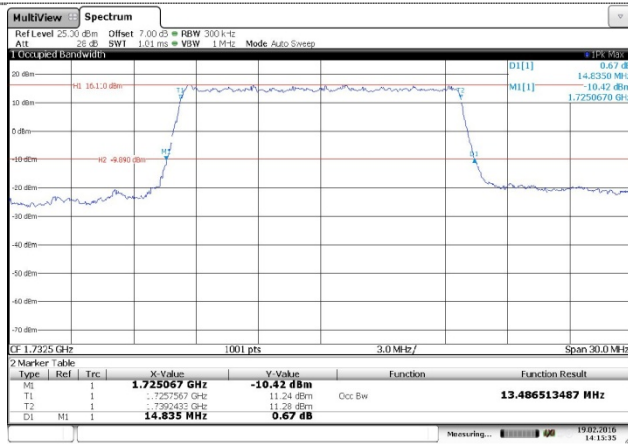
Date: 19 FEB 2016 14:11:19

16QAM



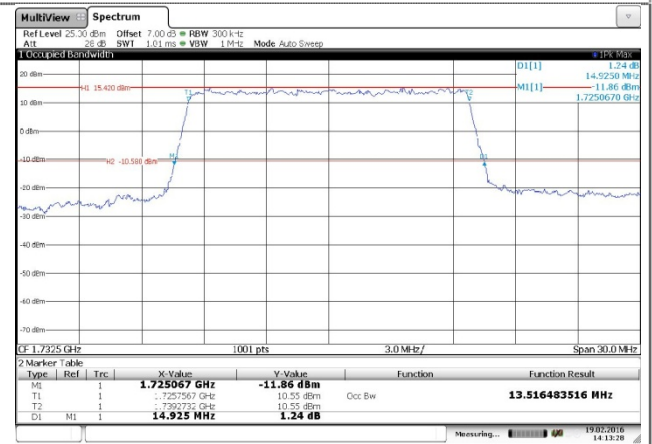
Date: 19 FEB 2016 14:12:23

Channel Low



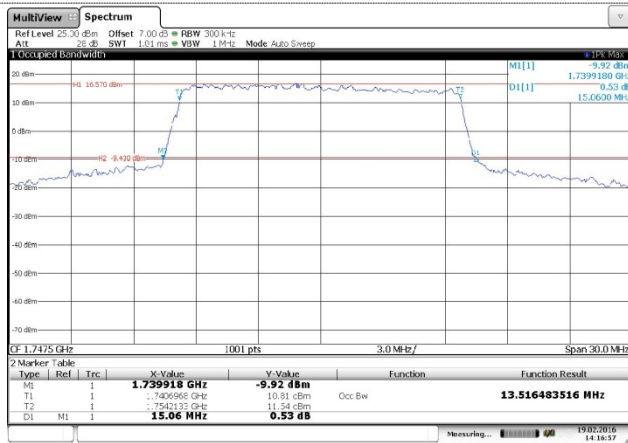
Date: 19 FEB 2016 14:13:35

Channel Low



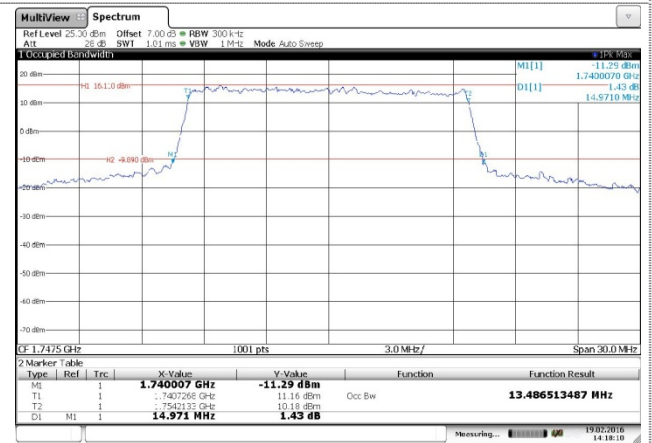
Date: 19 FEB 2016 14:13:28

Channel Mid



Date: 19 FEB 2016 14:16:58

Channel Mid



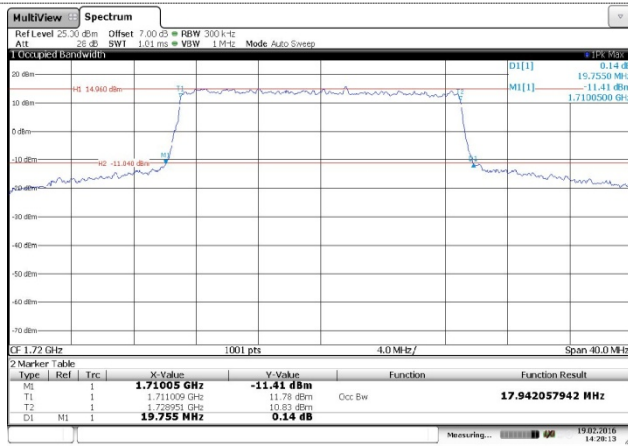
Date: 19 FEB 2016 14:18:11

Channel High

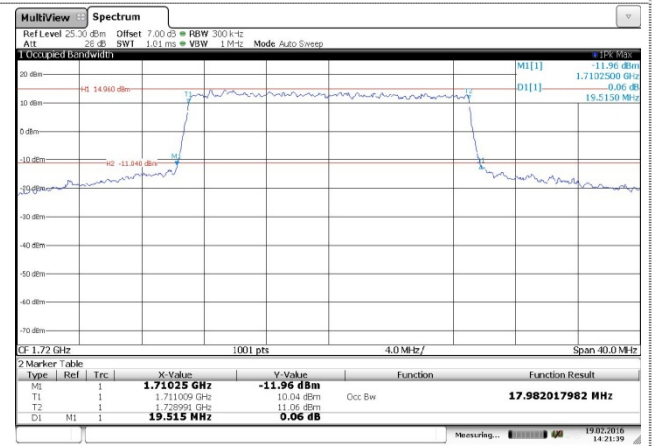
Channel High

LTE Band 4-20MHz

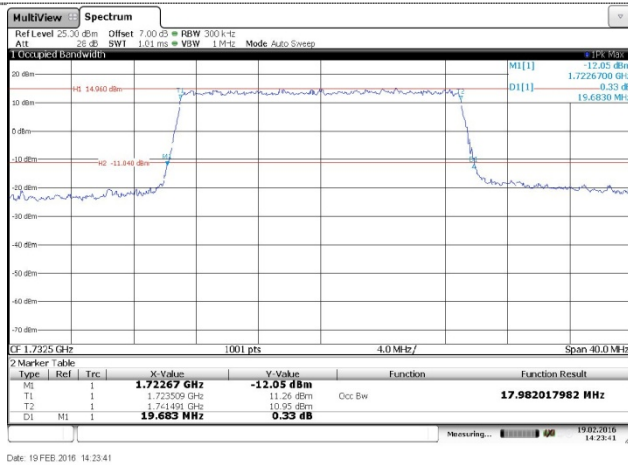
QPSK



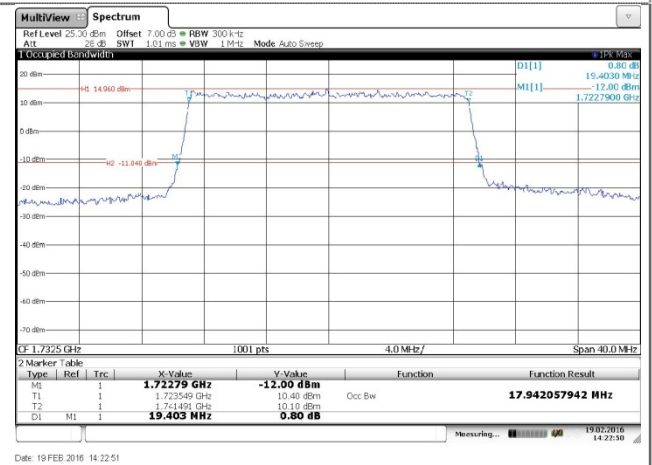
16QAM



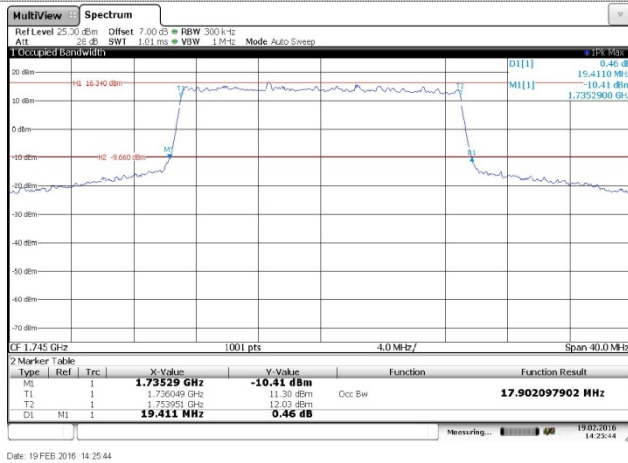
Channel Low



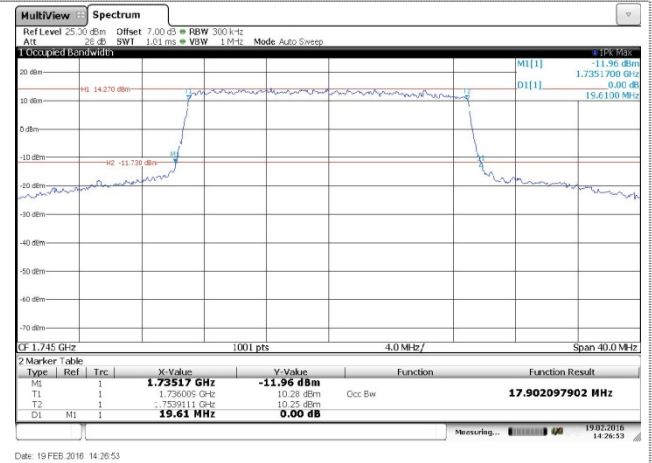
Channel Low



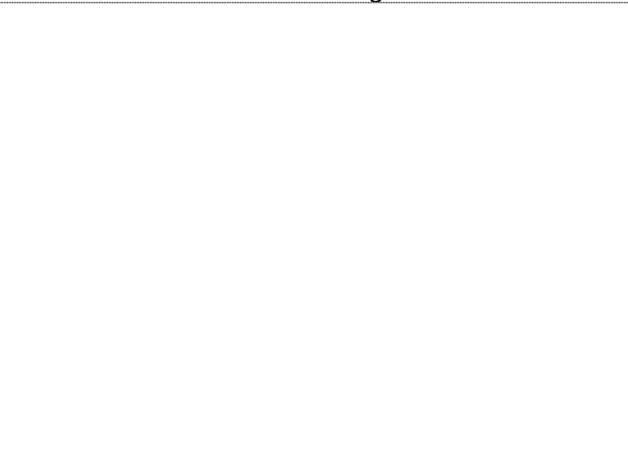
Channel Mid



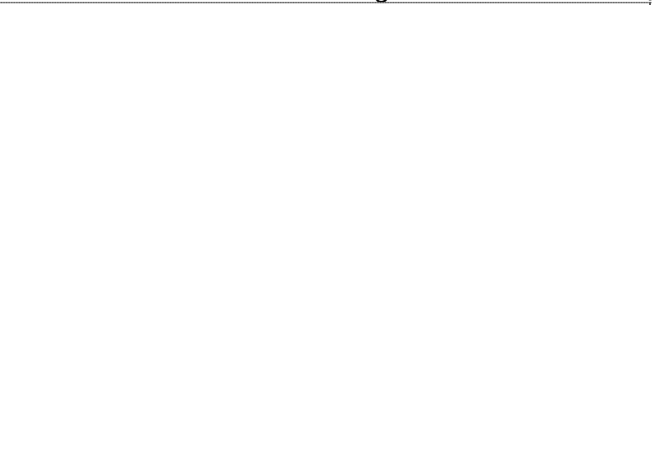
Channel Mid



Channel High

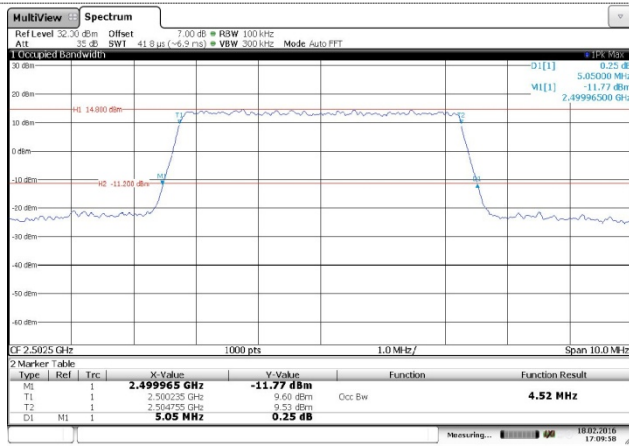


Channel High

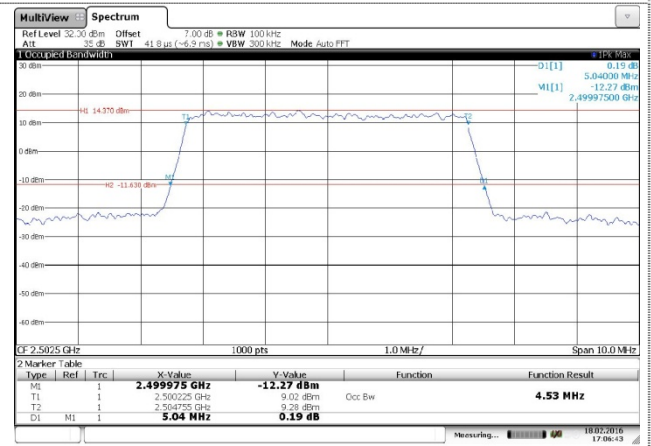


LTE Band 7-5MHz

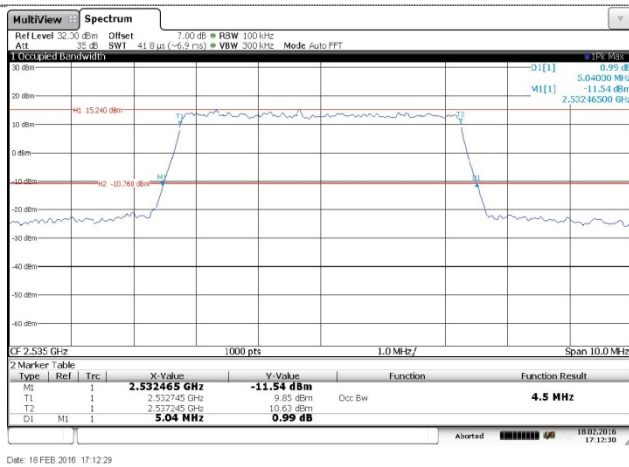
QPSK



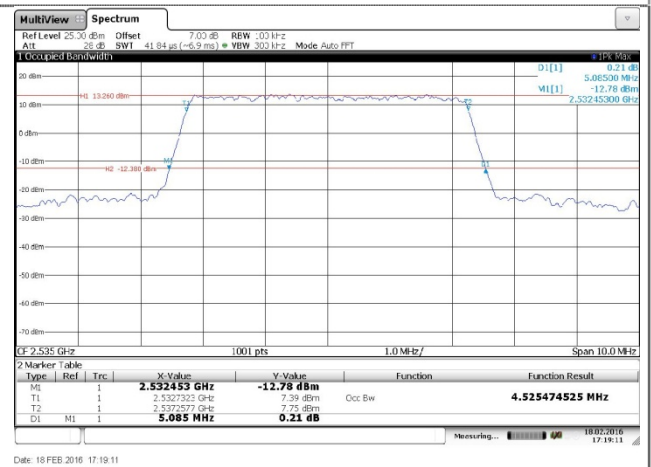
16QAM



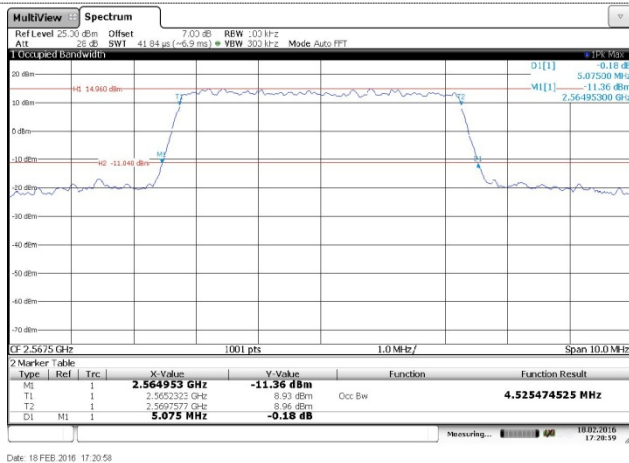
Channel Low



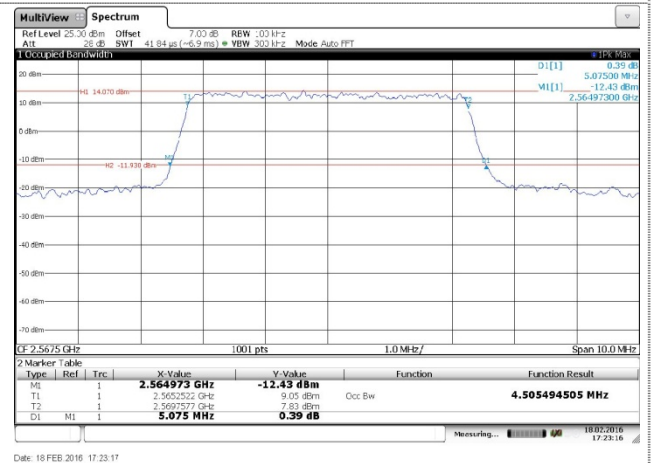
Channel Low



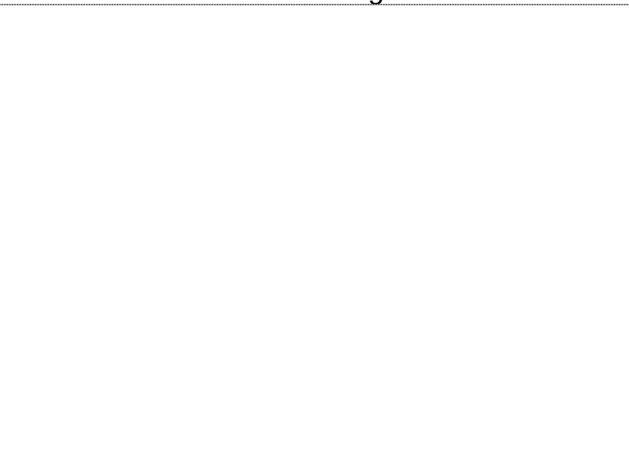
Channel Mid



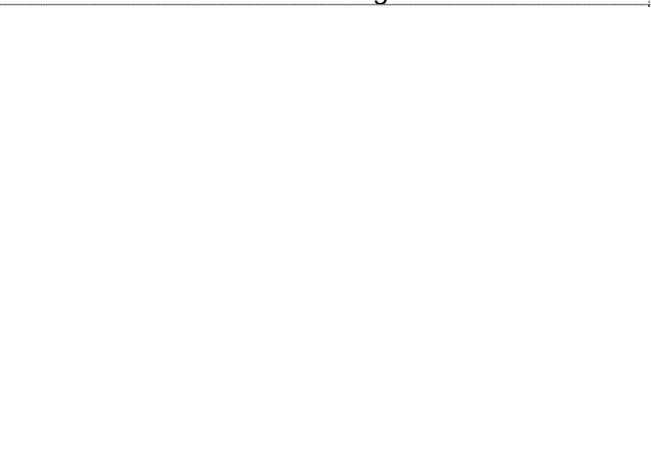
Channel Mid



Channel High

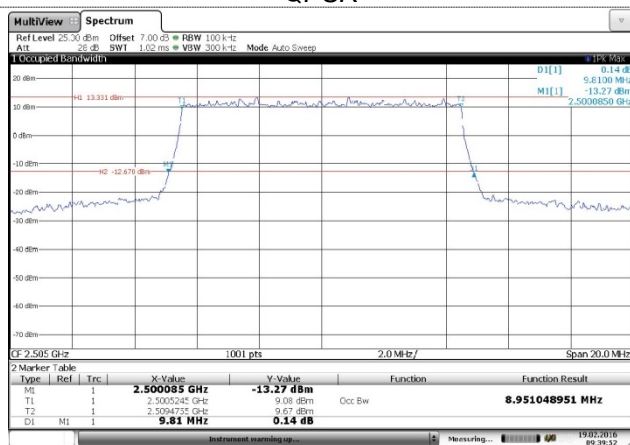


Channel High



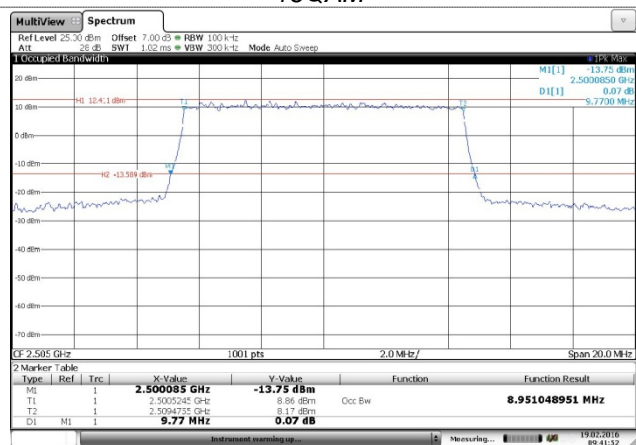
LTE Band 7-10MHz

QPSK



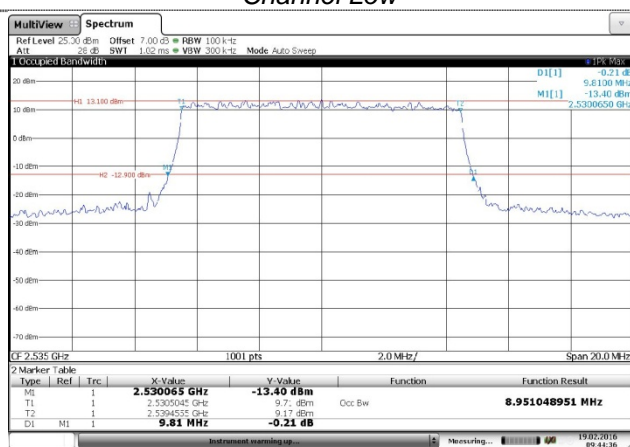
Date: 19 FEB 2016 09:39:32

16QAM



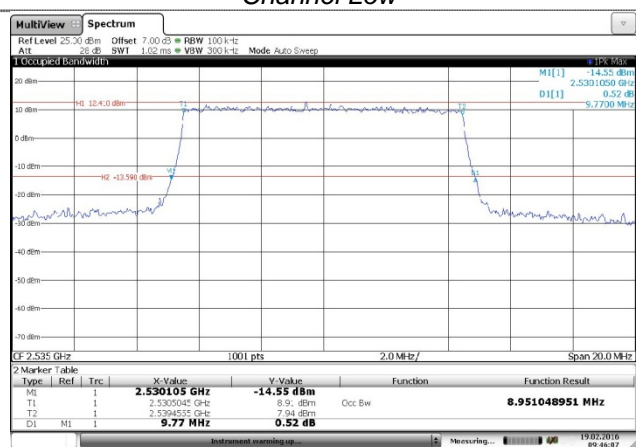
Date: 19 FEB 2016 09:41:32

Channel Low



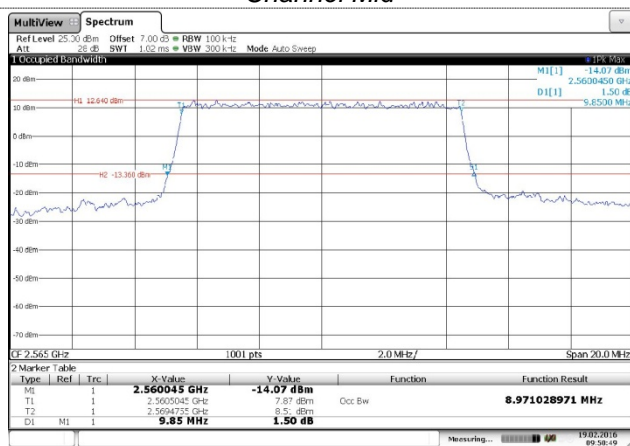
Date: 19 FEB 2016 09:44:36

Channel Low



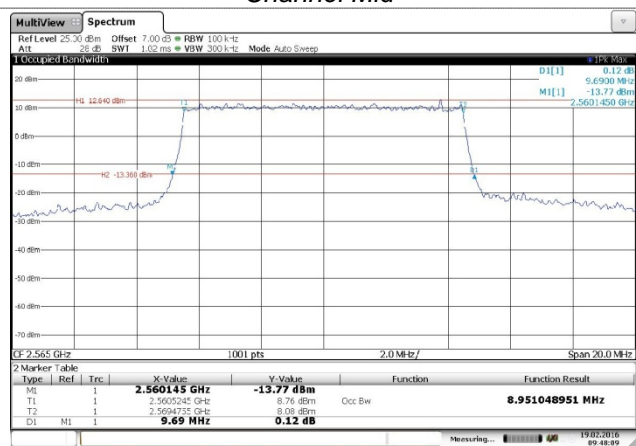
Date: 19 FEB 2016 09:46:07

Channel Mid



Date: 19 FEB 2016 09:50:49

Channel Mid



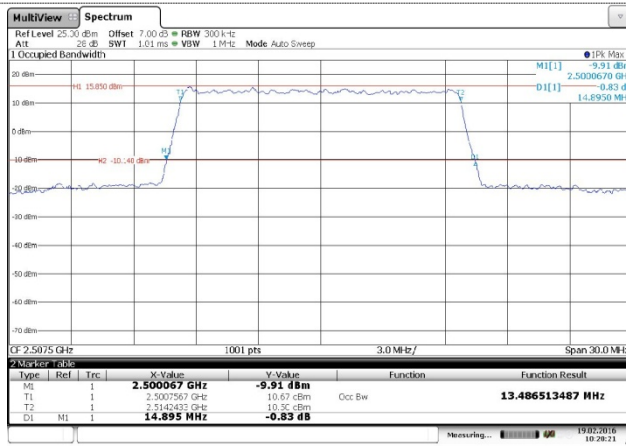
Date: 19 FEB 2016 09:48:09

Channel High

Channel High

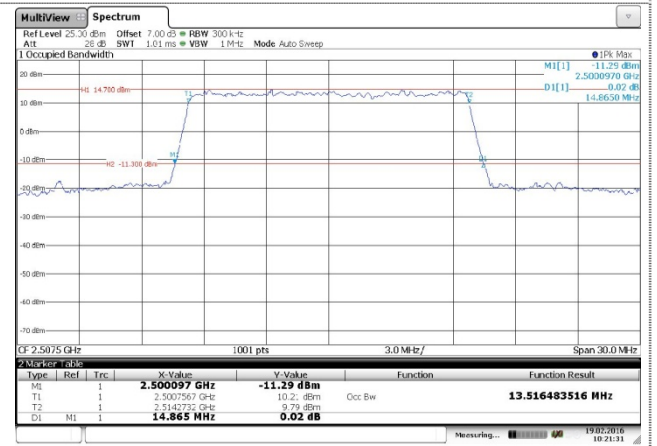
LTE Band 7-15MHz

QPSK



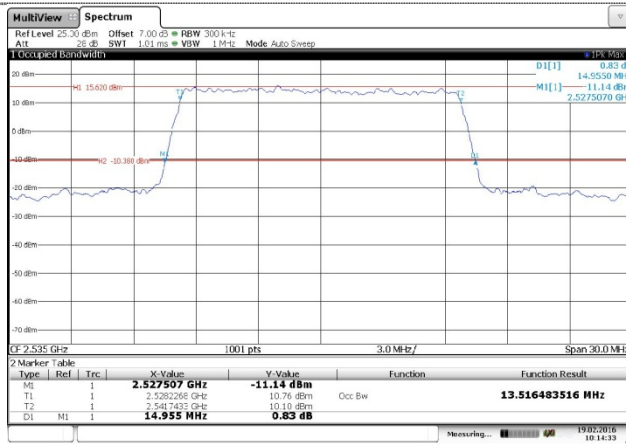
Date: 19 FEB 2016 13:20:22

16QAM



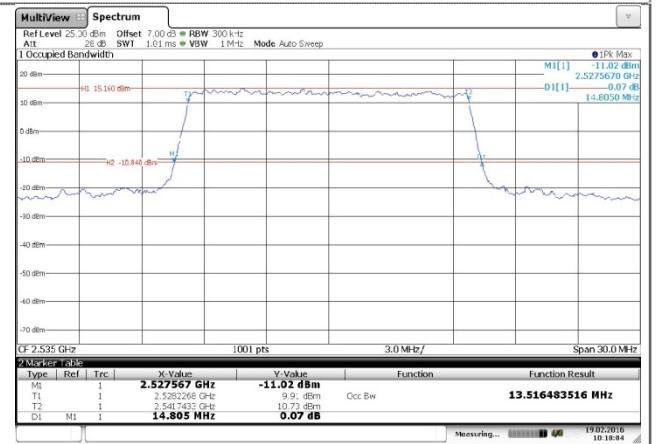
Date: 19 FEB 2016 13:21:31

Channel Low



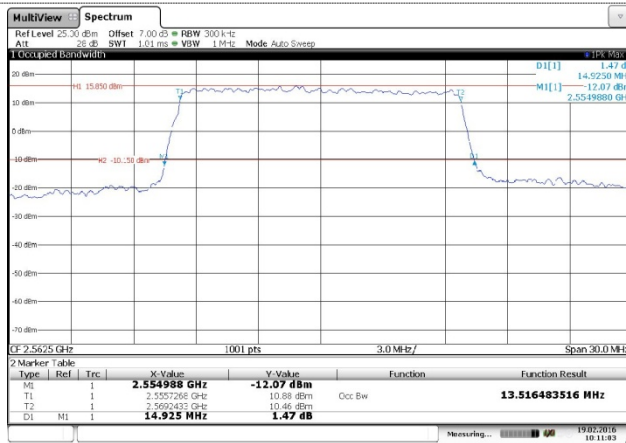
Date: 19 FEB 2016 13:14:32

Channel Low



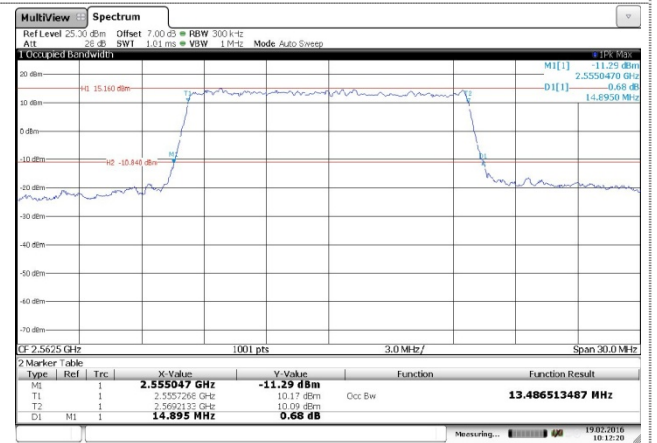
Date: 19 FEB 2016 13:18:05

Channel Mid



Date: 19 FEB 2016 13:11:03

Channel Mid



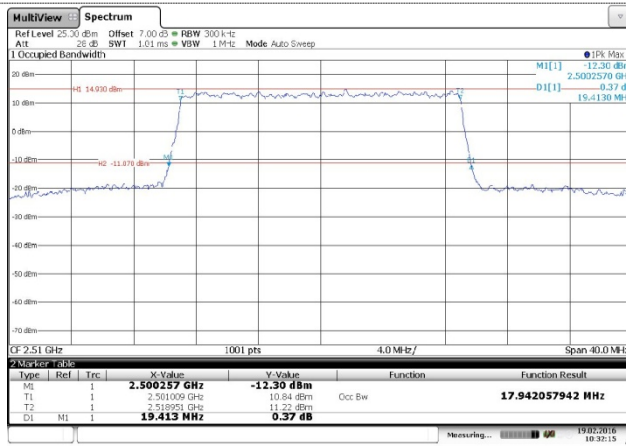
Date: 19 FEB 2016 13:12:20

Channel High

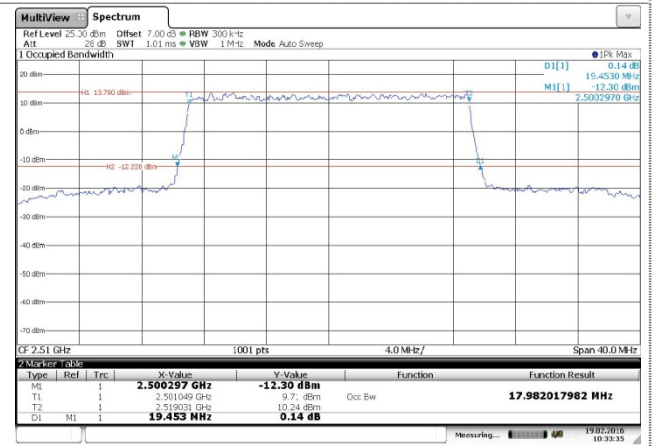
Channel High

LTE Band 7-20MHz

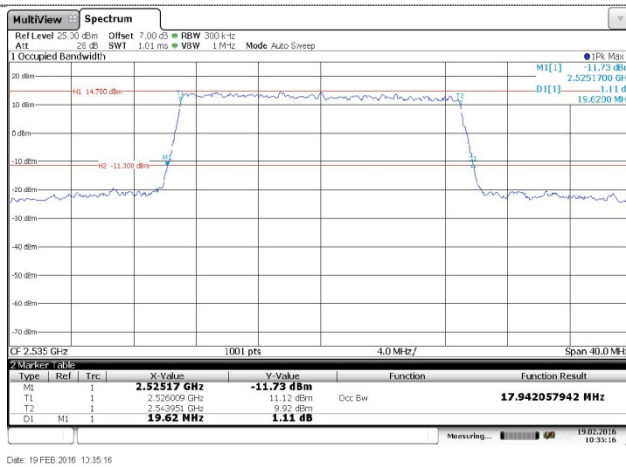
QPSK



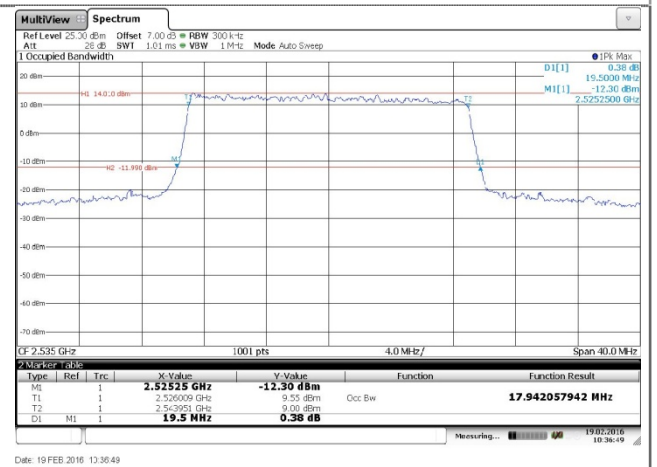
16QAM



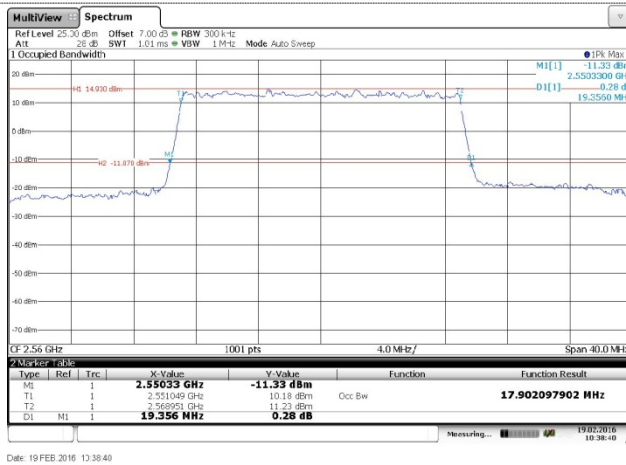
Channel Low



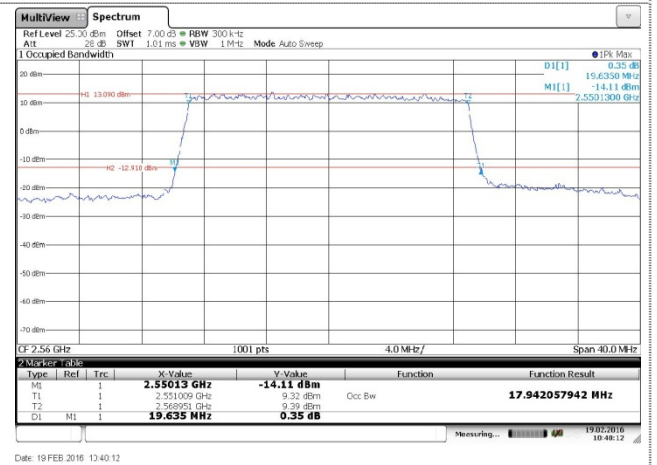
Channel Low



Channel Mid



Channel Mid



Channel High

Channel High

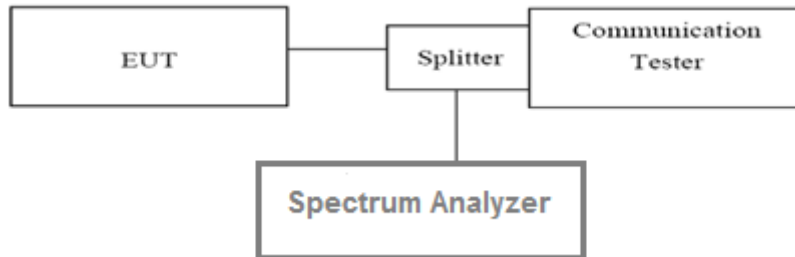
4.3. Out of band emission at antenna terminals

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 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 RESULTS

