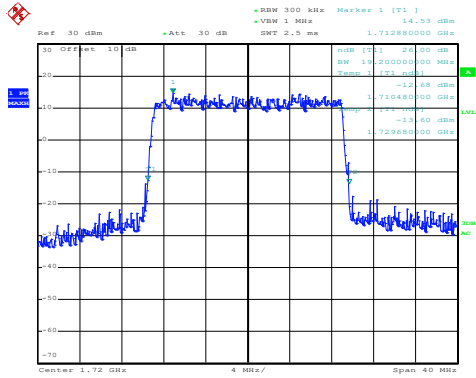


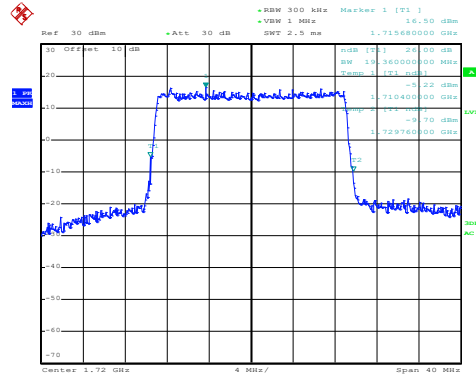
LTE Band 4: -26dBc bandwidth  
BW: 20MHz

16QAM



Date: 11.JAN.2021 15:45:53

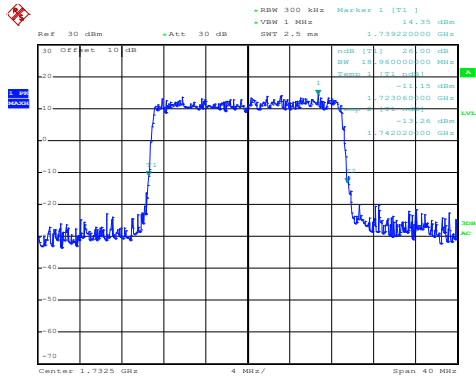
QPSK



Date: 11.JAN.2021 15:45:49

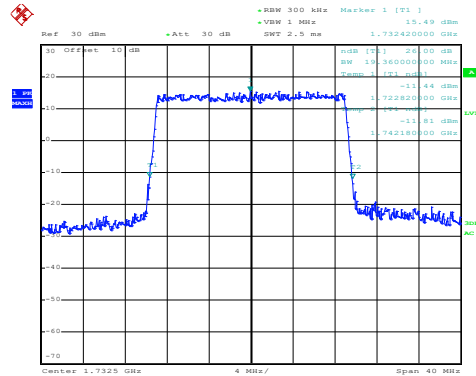
Lowest channel

16QAM



Date: 11.JAN.2021 15:46:24

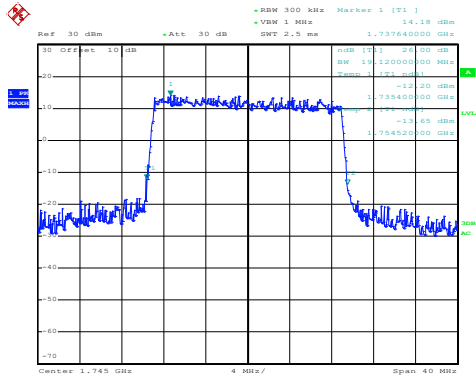
QPSK



Date: 11.JAN.2021 15:46:20

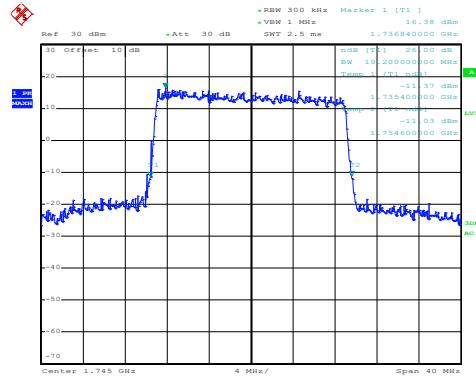
Middle channel

16QAM



Date: 11.JAN.2021 15:46:36

QPSK

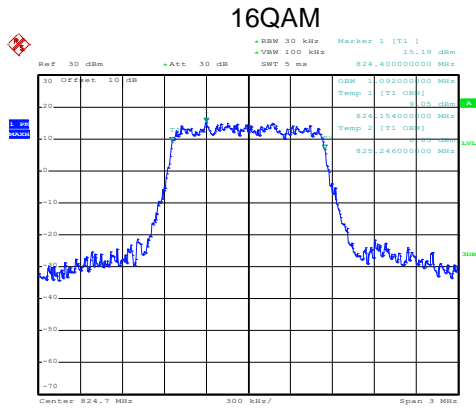


Date: 11.JAN.2021 15:46:32

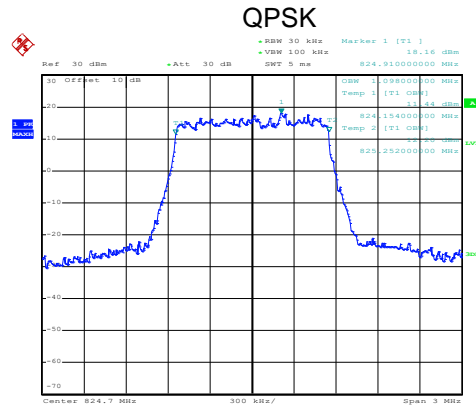
Highest channel

LTE Band 5 part:

LTE Band 5: 99% Occupancy bandwidth  
BW: 1.4MHz

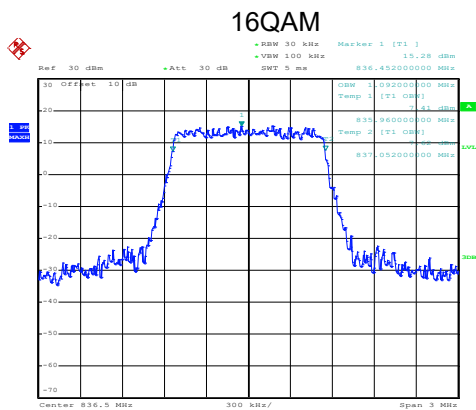


Date: 11.JAN.2021 15:46:50

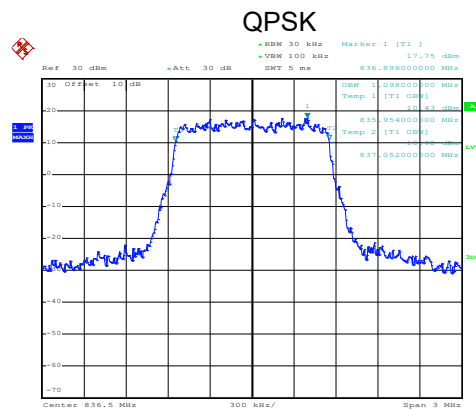


Date: 11.JAN.2021 15:46:47

Lowest channel

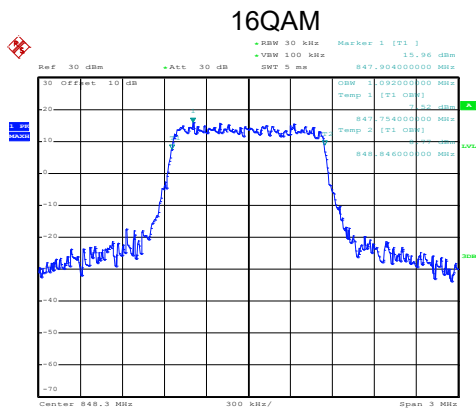


Date: 11.JAN.2021 15:47:20

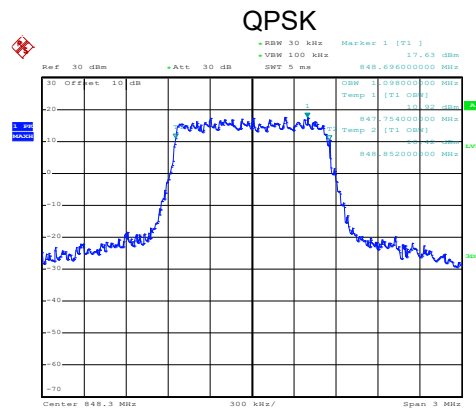


Date: 11.JAN.2021 15:47:17

Middle channel



Date: 11.JAN.2021 15:47:33

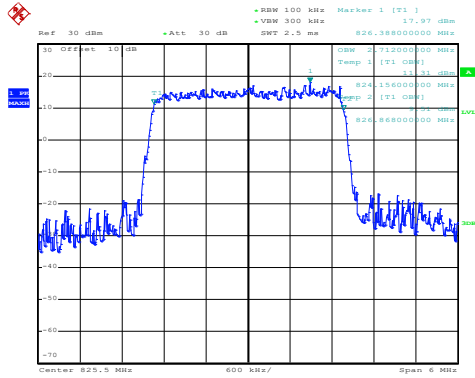


Date: 11.JAN.2021 15:47:29

Highest channel

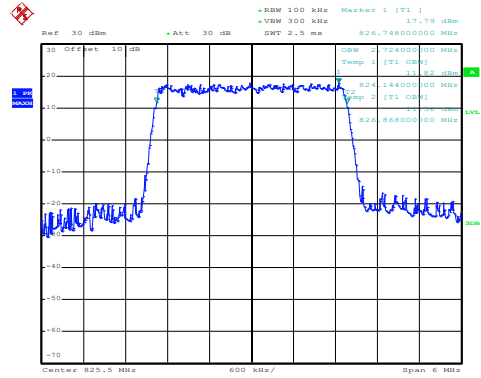
LTE Band 5: 99% Occupancy bandwidth  
BW: 3MHz

16QAM



Date: 11.JAN.2021 15:48:18

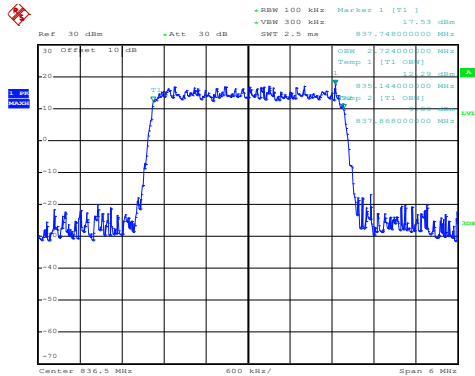
QPSK



Date: 11.JAN.2021 15:48:15

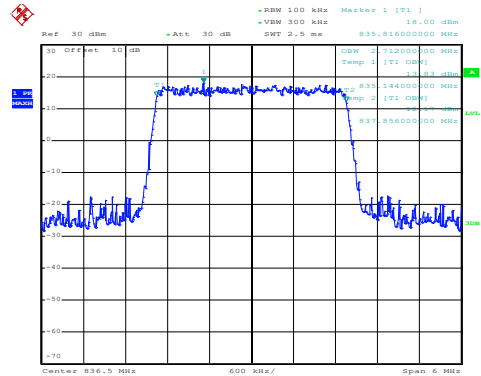
Lowest channel

16QAM



Date: 11.JAN.2021 15:48:28

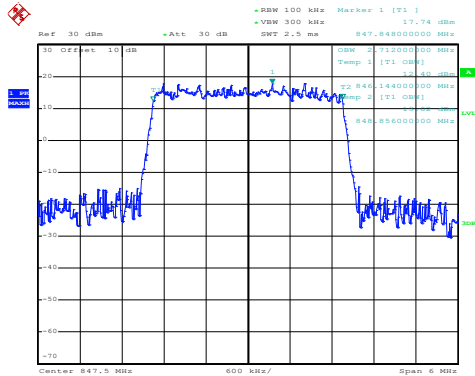
QPSK



Date: 11.JAN.2021 15:48:25

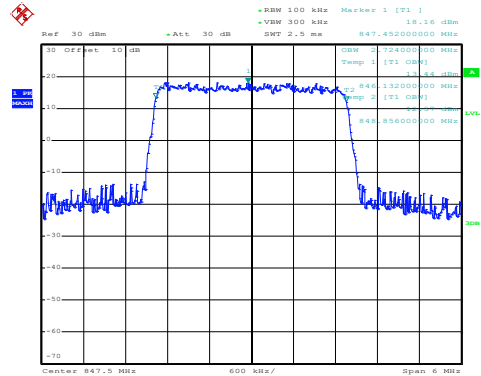
Middle channel

16QAM



Date: 11.JAN.2021 15:48:59

QPSK

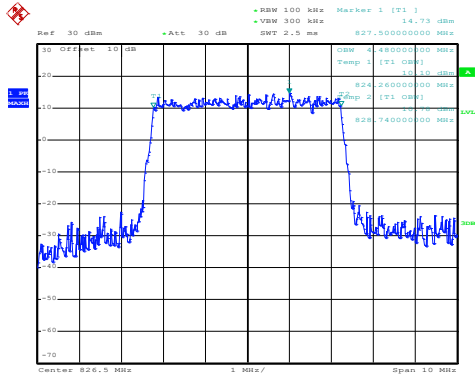


Date: 11.JAN.2021 15:48:56

Highest channel

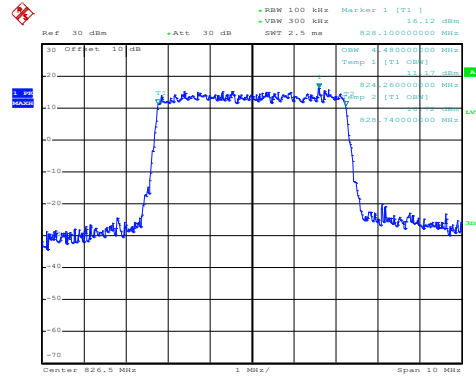
LTE Band 5: 99% Occupancy bandwidth  
BW: 5MHz

16QAM



Date: 11.JAN.2021 15:50:07

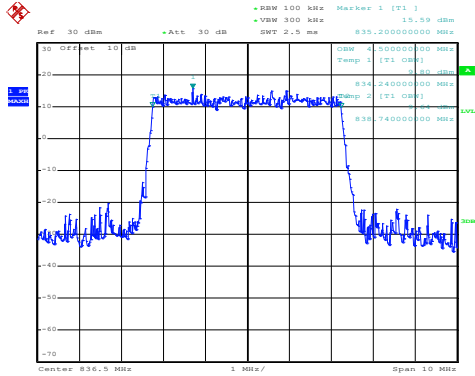
QPSK



Date: 11.JAN.2021 15:50:04

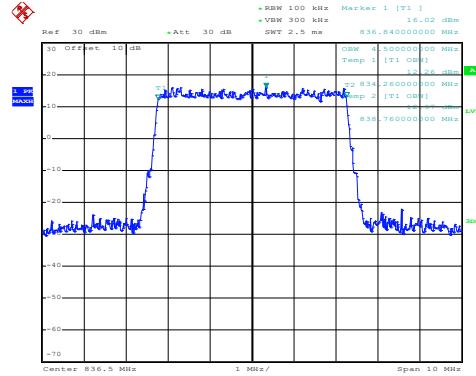
Lowest channel

16QAM



Date: 11.JAN.2021 15:49:50

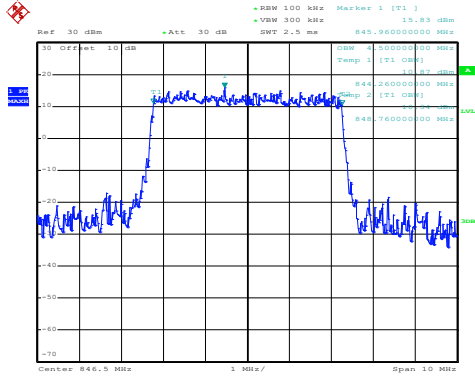
QPSK



Date: 11.JAN.2021 15:49:47

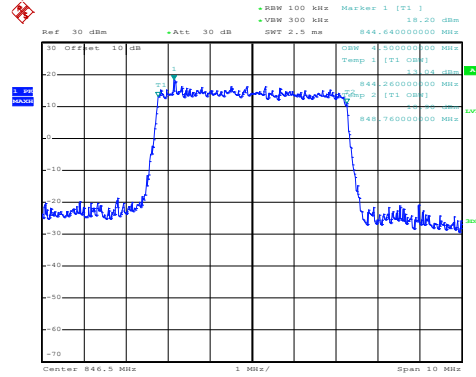
Middle channel

16QAM



Date: 11.JAN.2021 15:49:22

QPSK

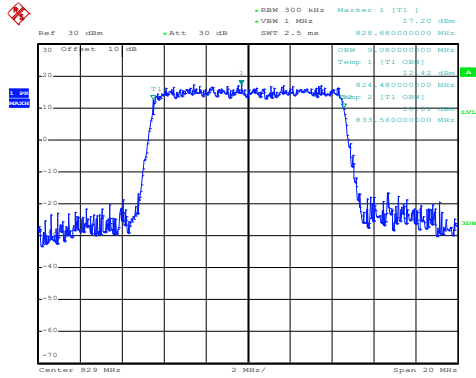


Date: 11.JAN.2021 15:49:19

Highest channel

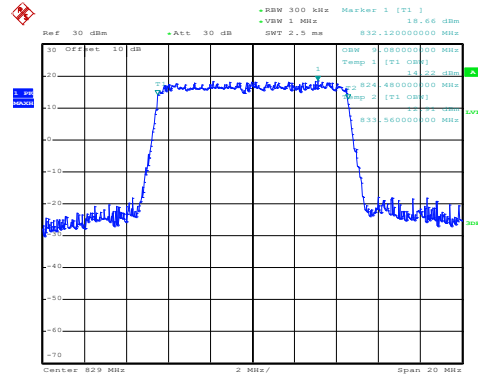
LTE Band 5: 99% Occupancy bandwidth  
BW: 10MHz

16QAM



Date: 11.JAN.2021 15:51:25

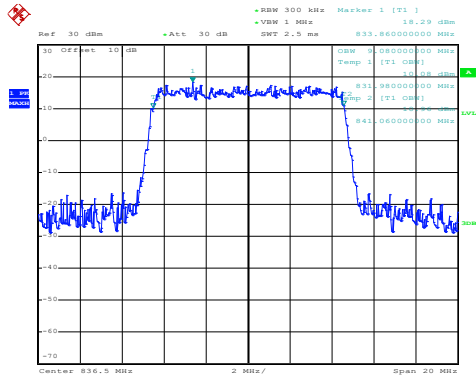
QPSK



Date: 11.JAN.2021 15:51:22

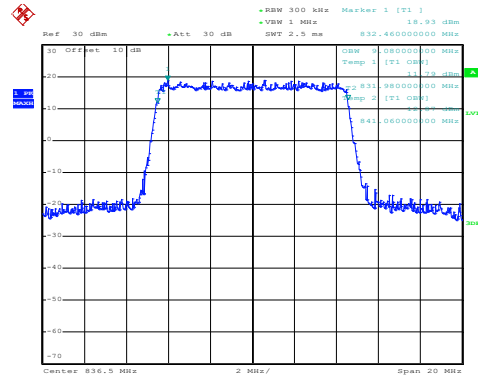
Lowest channel

16QAM



Date: 11.JAN.2021 15:51:37

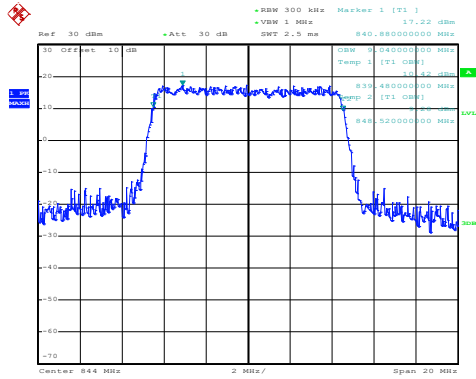
QPSK



Date: 11.JAN.2021 15:51:34

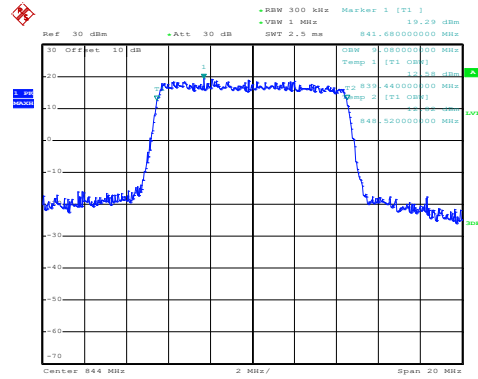
Middle channel

16QAM



Date: 11.JAN.2021 15:52:07

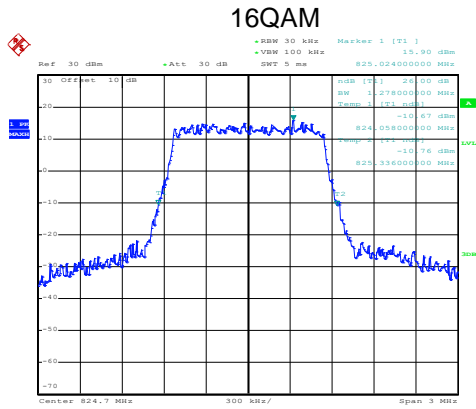
QPSK



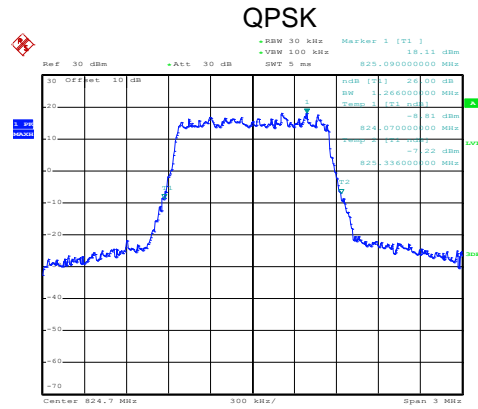
Date: 11.JAN.2021 15:52:04

Highest channel

LTE Band 5: -26dBc bandwidth  
BW: 1.4MHz

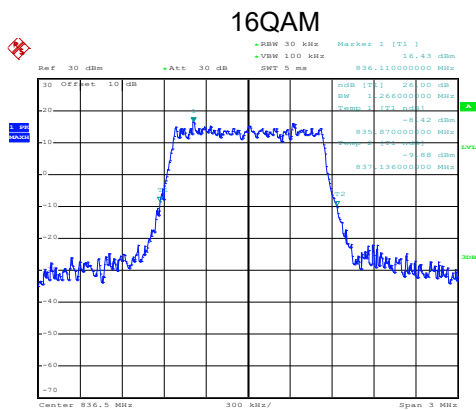


Date: 11.JAN.2021 15:47:00

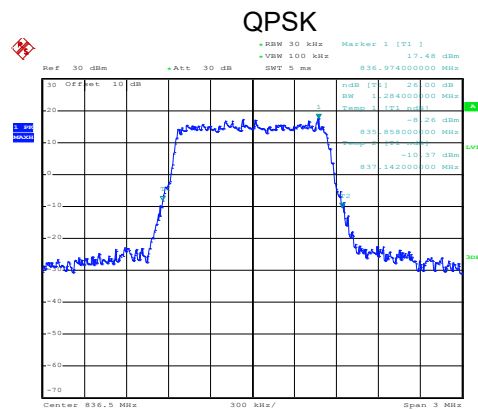


Date: 11.JAN.2021 15:46:57

Lowest channel

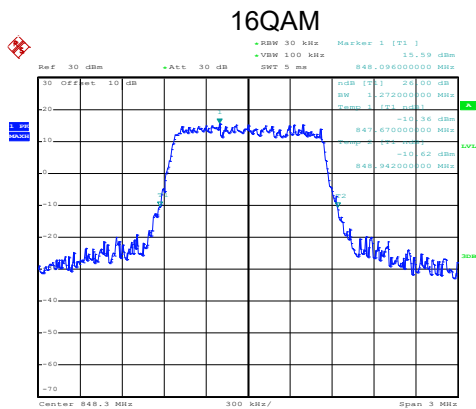


Date: 11.JAN.2021 15:47:11

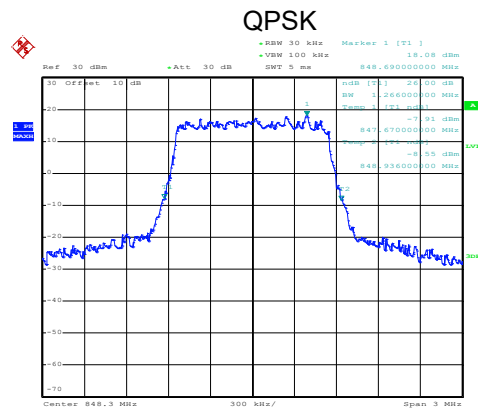


Date: 11.JAN.2021 15:47:08

Middle channel



Date: 11.JAN.2021 15:47:43

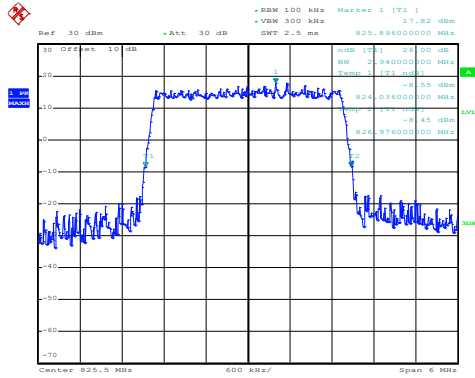


Date: 11.JAN.2021 15:47:39

Highest channel

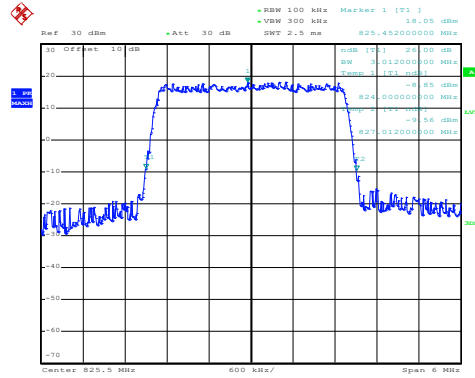
LTE Band 5: -26dBc bandwidth  
BW: 3MHz

16QAM



Date: 11.JAN.2021 15:48:09

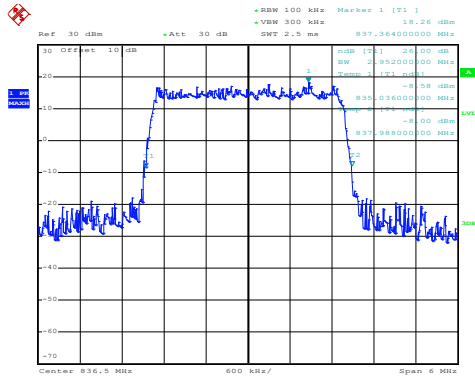
QPSK



Date: 11.JAN.2021 15:48:05

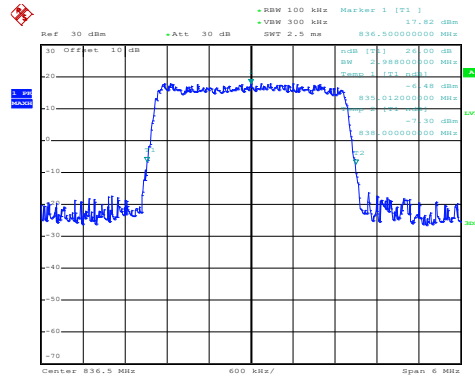
Lowest channel

16QAM



Date: 11.JAN.2021 15:48:37

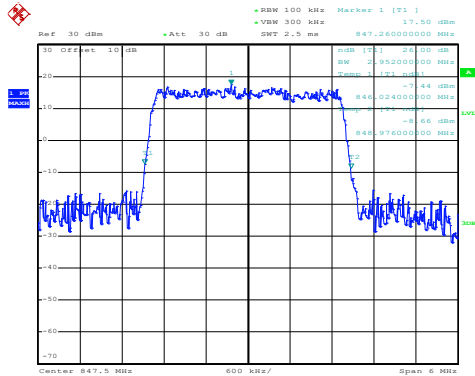
QPSK



Date: 11.JAN.2021 15:48:34

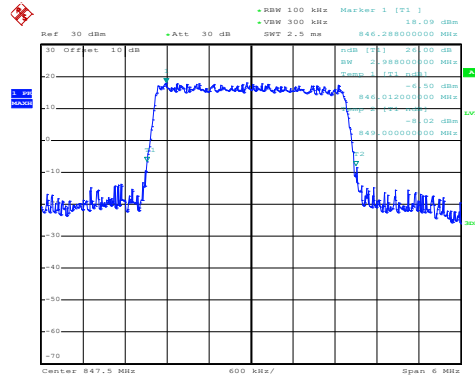
Middle channel

16QAM



Date: 11.JAN.2021 15:48:50

QPSK

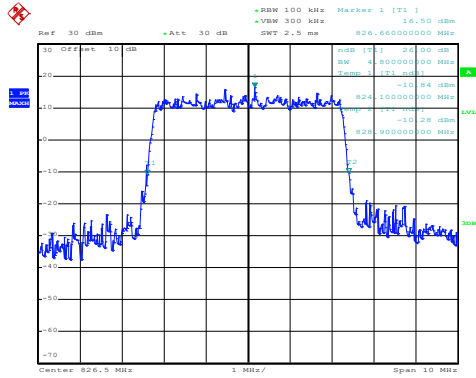


Date: 11.JAN.2021 15:48:47

Highest channel

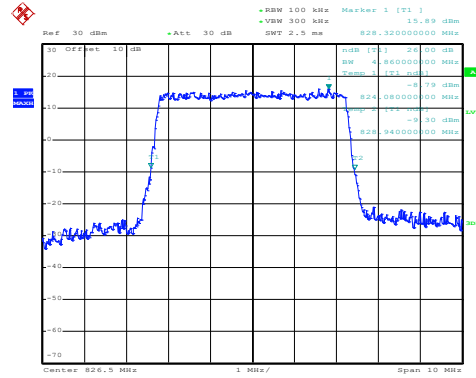
LTE Band 5: -26dBc bandwidth  
BW: 5MHz

16QAM



Date: 11.JAN.2021 15:50:16

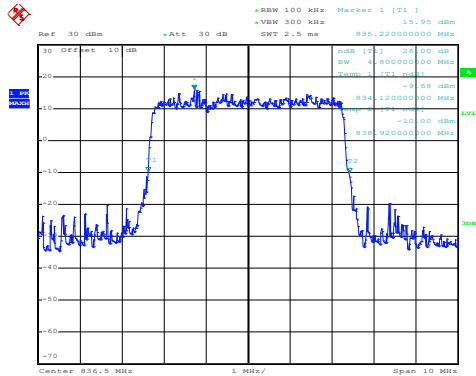
QPSK



Date: 11.JAN.2021 15:50:13

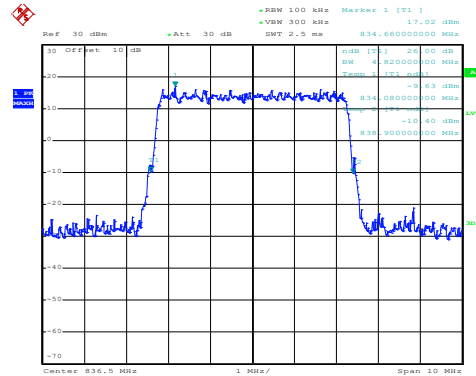
Lowest channel

16QAM



Date: 11.JAN.2021 15:49:41

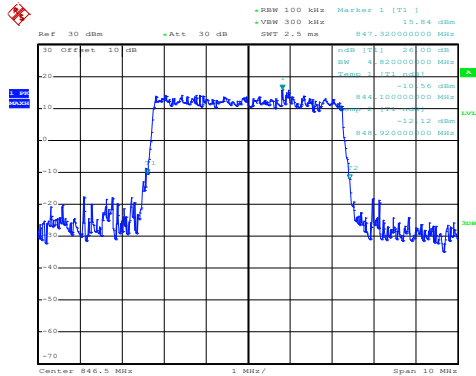
QPSK



Date: 11.JAN.2021 15:49:38

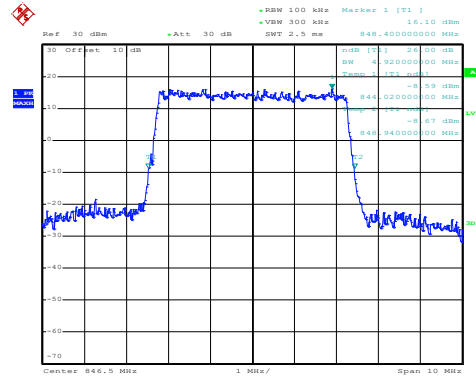
Middle channel

16QAM



Date: 11.JAN.2021 15:49:30

QPSK

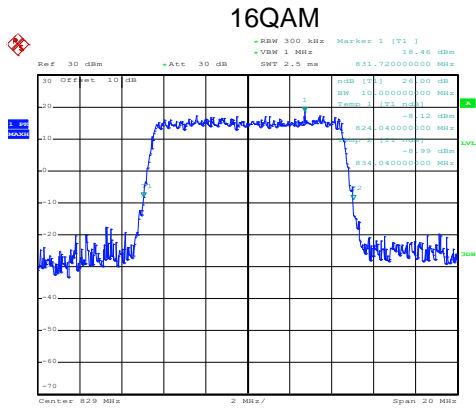


Date: 11.JAN.2021 15:49:27

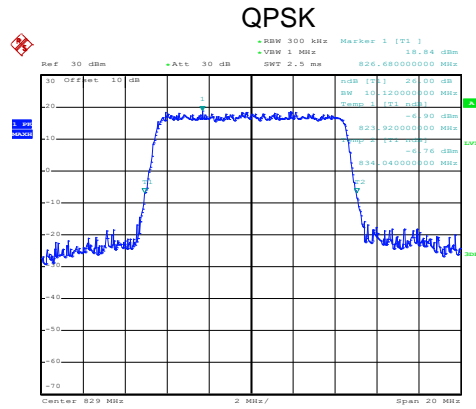
Highest channel



LTE Band 5: -26dBc bandwidth  
BW: 10MHz

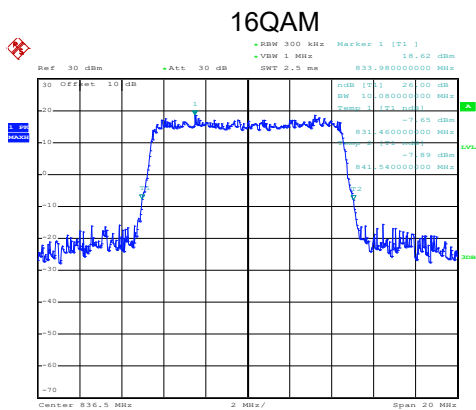


Date: 11.JAN.2021 15:51:17

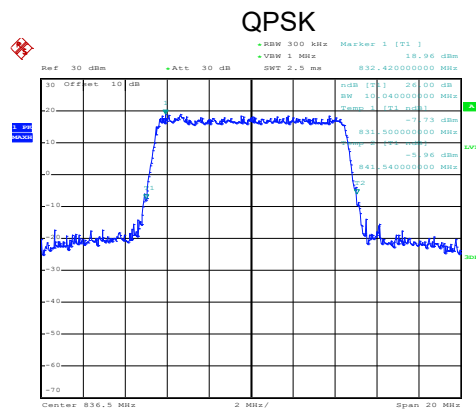


Date: 11.JAN.2021 15:51:14

Lowest channel

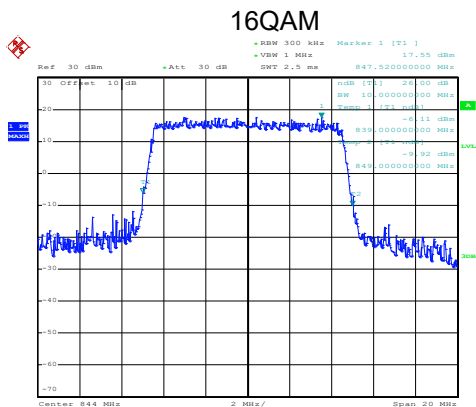


Date: 11.JAN.2021 15:51:46

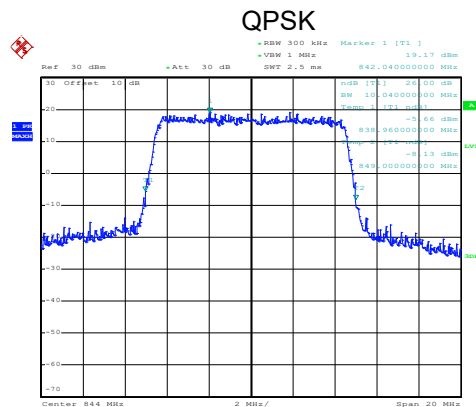


Date: 11.JAN.2021 15:51:43

Middle channel



Date: 11.JAN.2021 15:51:58

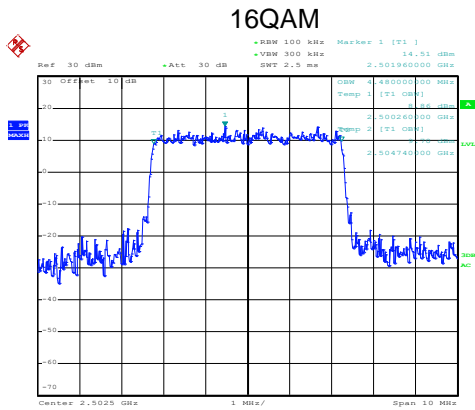


Date: 11.JAN.2021 15:51:55

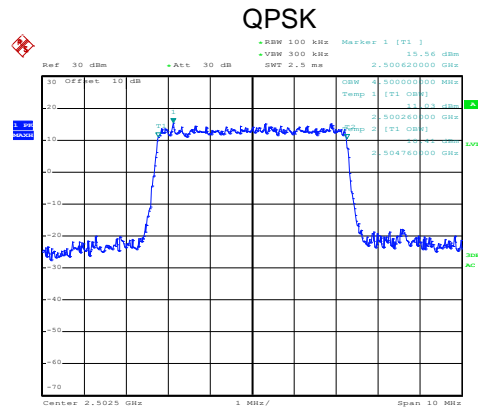
Highest channel

LTE-Band 7 part:

LTE Band 7: 99% Occupy bandwidth  
BW: 5MHz

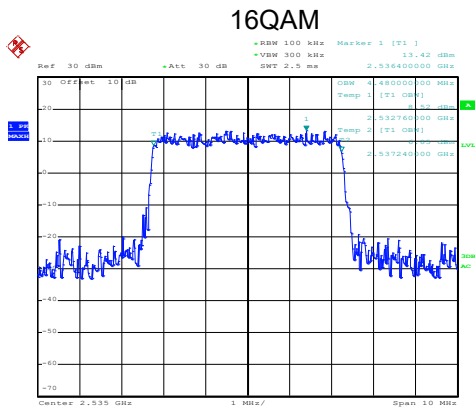


Date: 11.JAN.2021 15:47:40

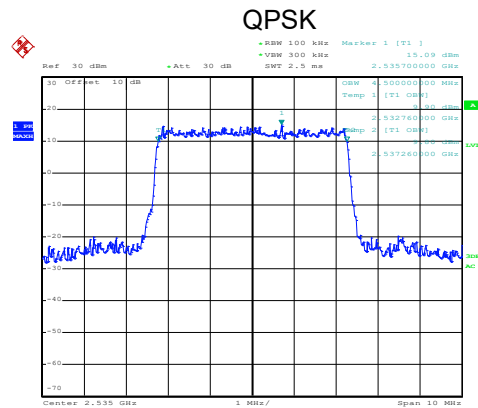


Date: 11.JAN.2021 15:47:36

Lowest channel

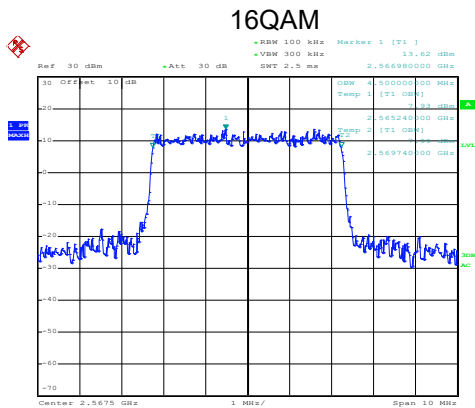


Date: 11.JAN.2021 15:48:13

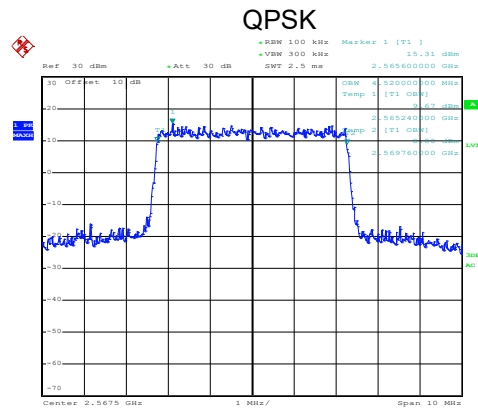


Date: 11.JAN.2021 15:48:09

Middle channel



Date: 11.JAN.2021 15:48:29

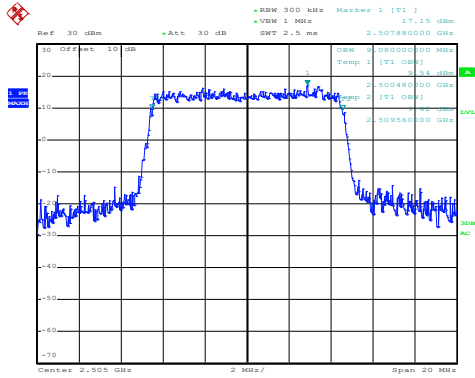


Date: 11.JAN.2021 15:48:25

Highest channel

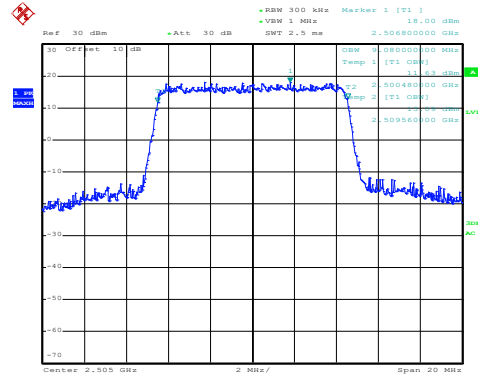
## LTE Band 7: 99% Occupancy bandwidth BW: 10MHz

16QAM



Date: 11.JAN.2021 15:49:14

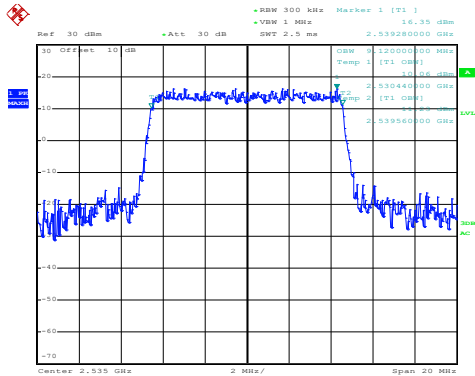
QPSK



Date: 11.JAN.2021 15:49:11

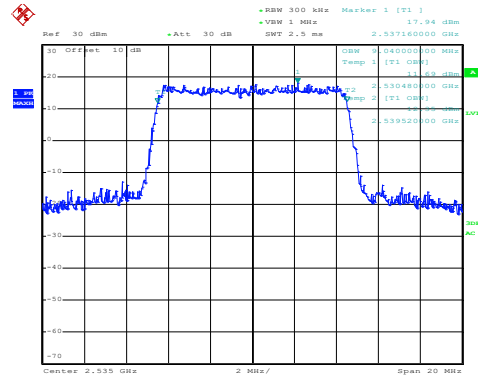
### Lowest channel

16QAM



Date: 11.JAN.2021 15:49:26

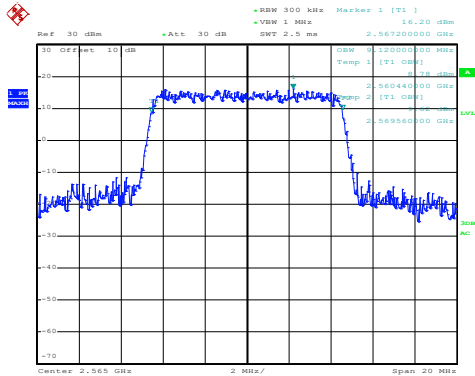
QPSK



Date: 11.JAN.2021 15:49:22

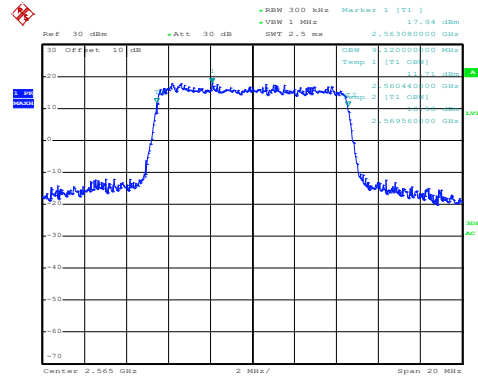
### Middle channel

16QAM



Date: 11.JAN.2021 15:50:07

QPSK

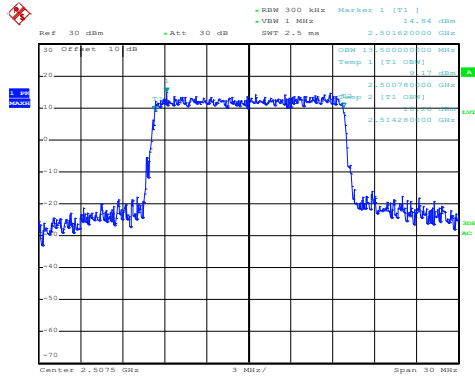


Date: 11.JAN.2021 15:50:03

### Highest channel

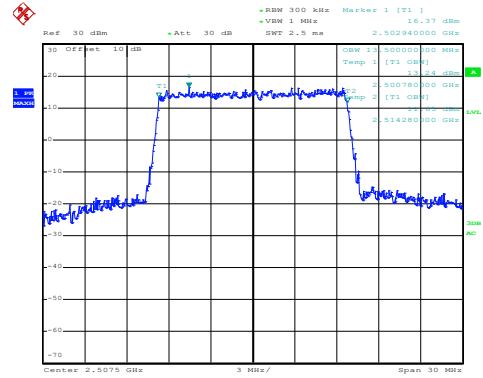
## LTE Band 7: 99% Occupancy bandwidth BW: 15MHz

16QAM



Date: 11.JAN.2021 15:50:38

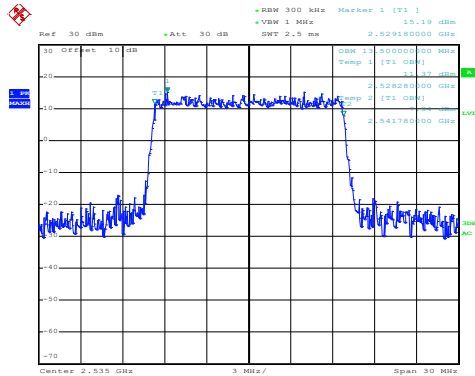
QPSK



Date: 11.JAN.2021 15:50:34

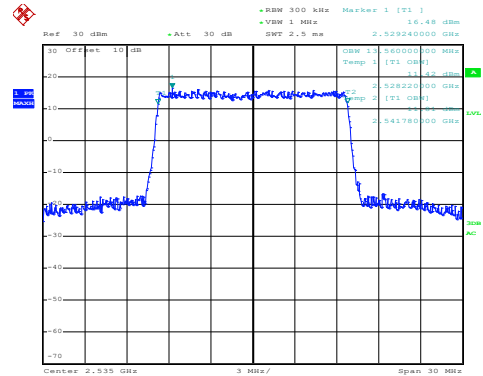
### Lowest channel

16QAM



Date: 11.JAN.2021 15:51:16

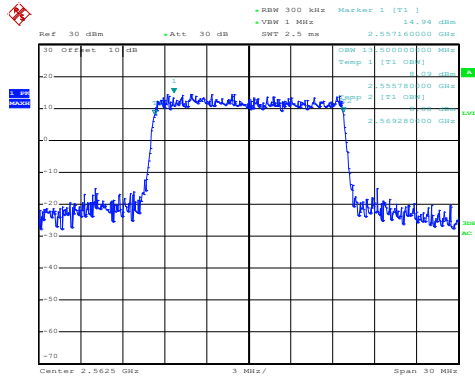
QPSK



Date: 11.JAN.2021 15:52:38

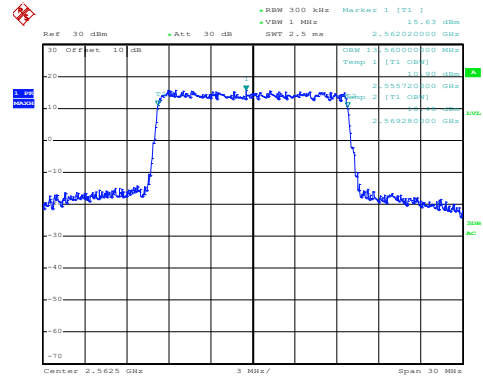
### Middle channel

16QAM



Date: 11.JAN.2021 15:51:45

QPSK

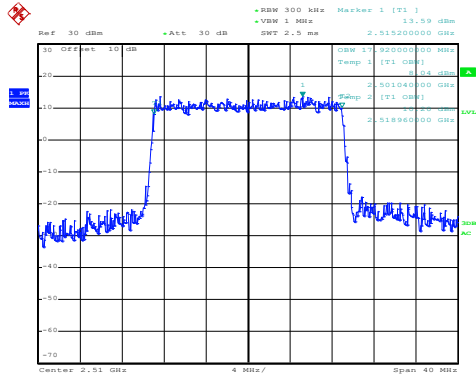


Date: 11.JAN.2021 15:51:42

### Highest channel

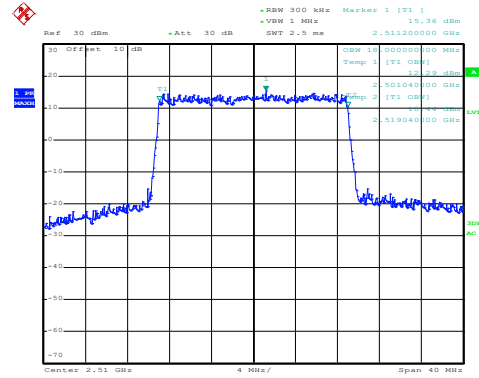
## LTE Band 7: 99% Occupancy bandwidth BW: 20MHz

16QAM



Date: 11.JAN.2021 15:54:59

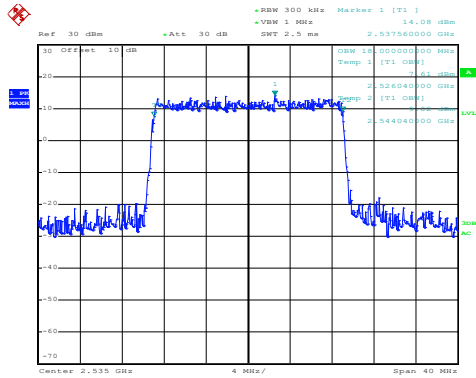
QPSK



Date: 11.JAN.2021 15:54:55

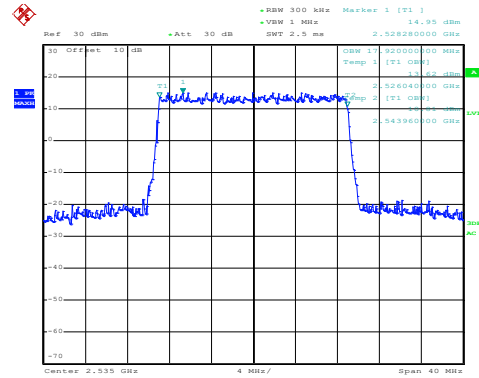
Lowest channel

16QAM



Date: 11.JAN.2021 15:54:44

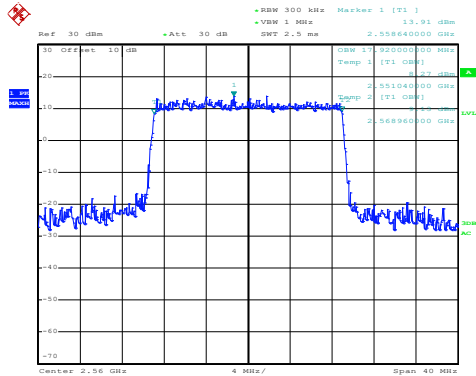
QPSK



Date: 11.JAN.2021 15:54:40

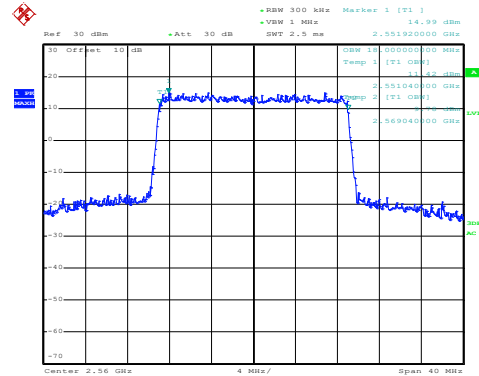
Middle channel

16QAM



Date: 11.JAN.2021 15:54:13

QPSK

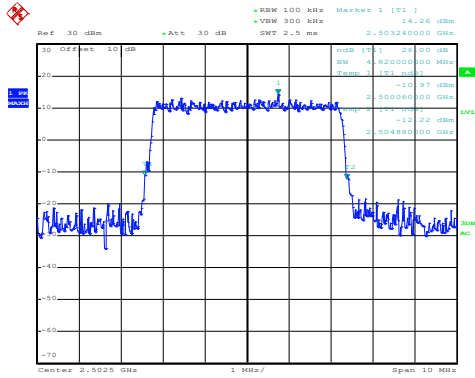


Date: 11.JAN.2021 15:54:09

Highest channel

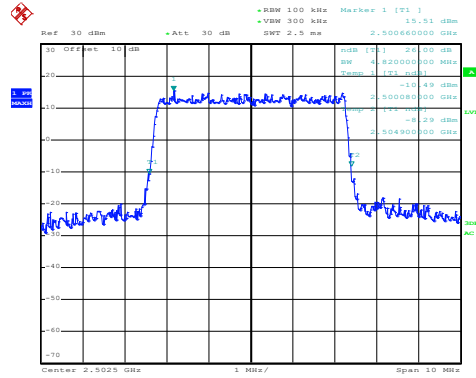
LTE Band 7: -26dBc bandwidth  
BW: 5MHz

16QAM



Date: 11.JAN.2021 15:47:49

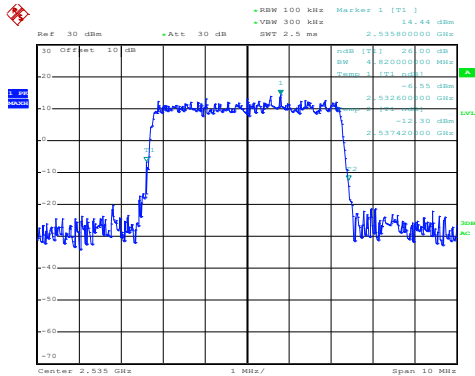
QPSK



Date: 11.JAN.2021 15:47:45

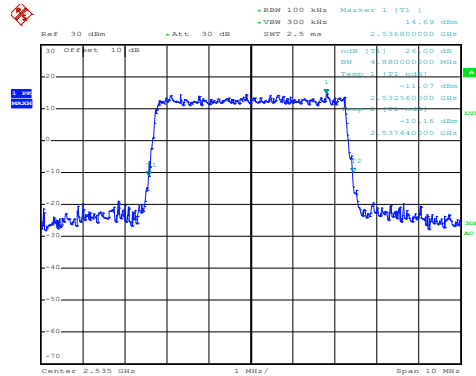
Lowest channel

16QAM



Date: 11.JAN.2021 15:48:03

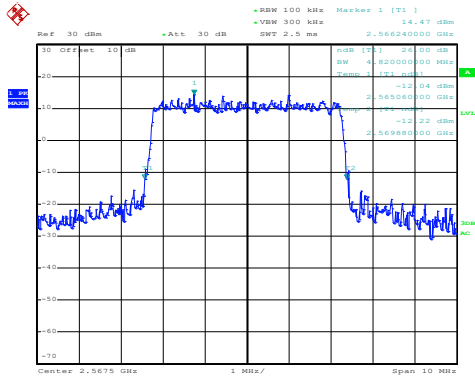
QPSK



Date: 11.JAN.2021 15:47:59

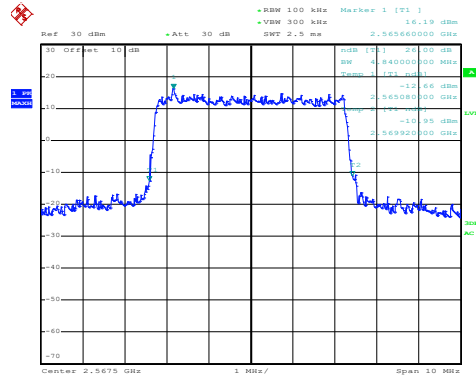
Middle channel

16QAM



Date: 11.JAN.2021 15:48:39

QPSK

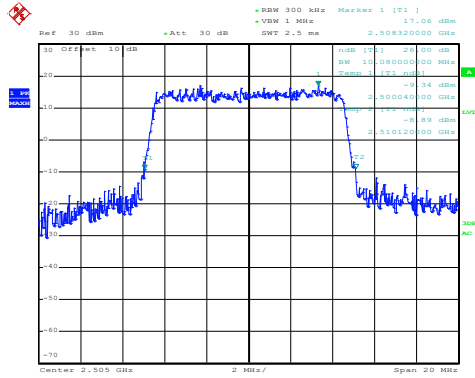


Date: 11.JAN.2021 15:48:35

Highest channel

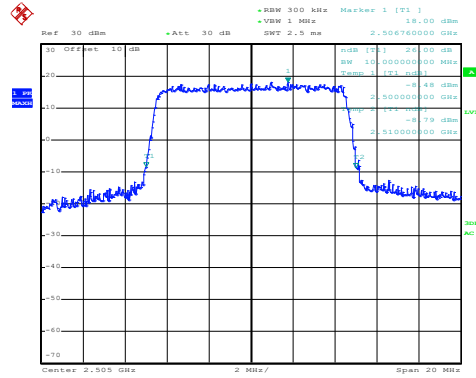
LTE Band 7: -26dBc bandwidth  
BW: 10MHz

16QAM



Date: 11.JAN.2021 15:49:04

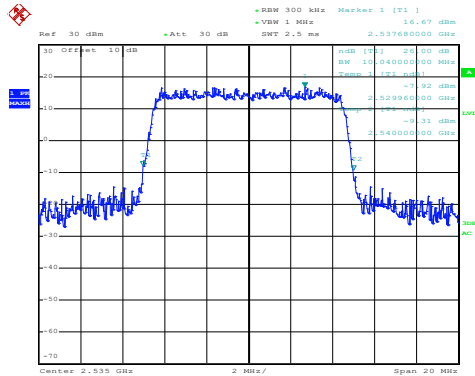
QPSK



Date: 11.JAN.2021 15:49:01

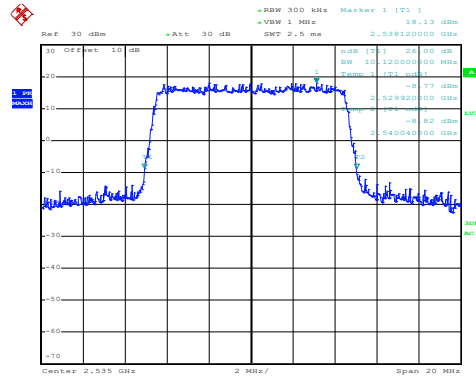
Lowest channel

16QAM



Date: 11.JAN.2021 15:49:36

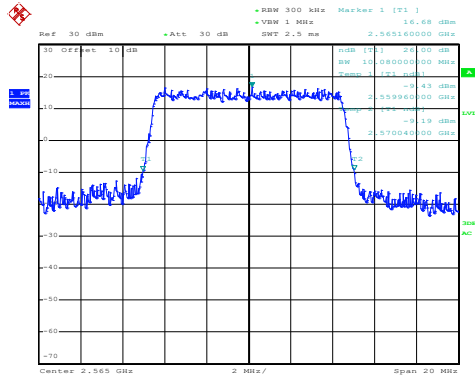
QPSK



Date: 11.JAN.2021 15:49:32

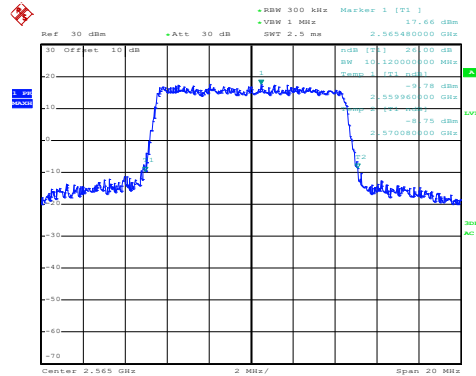
Middle channel

16QAM



Date: 11.JAN.2021 15:49:57

QPSK

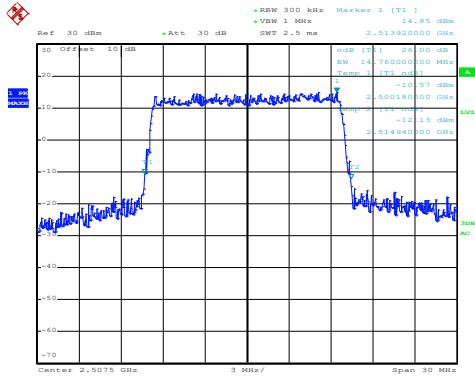


Date: 11.JAN.2021 15:49:54

Highest channel

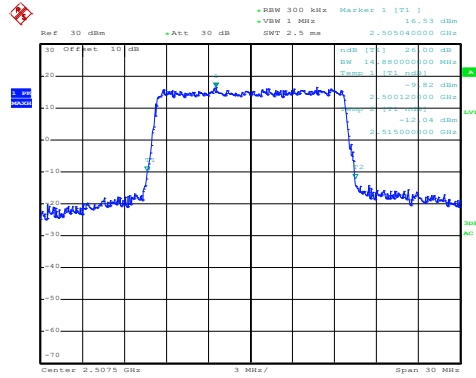
LTE Band 7: -26dBc bandwidth  
BW: 15MHz

16QAM



Date: 11.JAN.2021 15:50:51

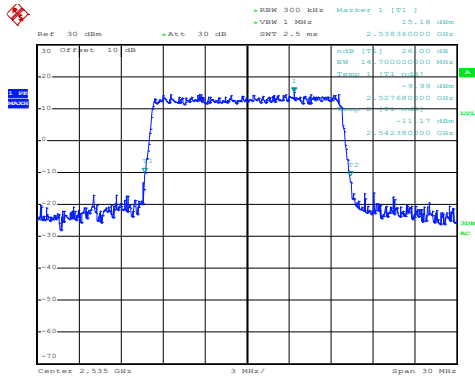
QPSK



Date: 11.JAN.2021 15:50:47

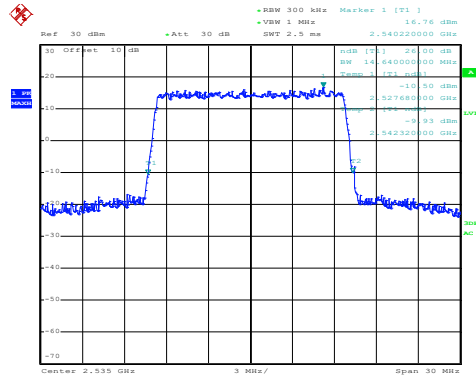
Lowest channel

16QAM



Date: 11.JAN.2021 15:52:31

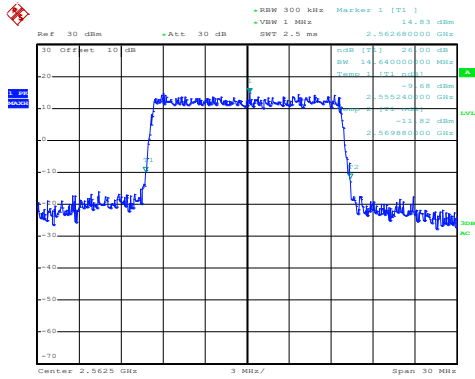
QPSK



Date: 11.JAN.2021 15:52:26

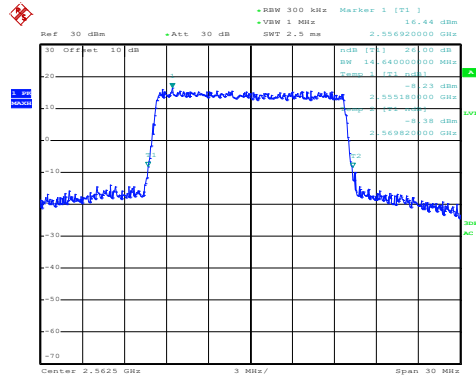
Middle channel

16QAM



Date: 11.JAN.2021 15:51:55

QPSK



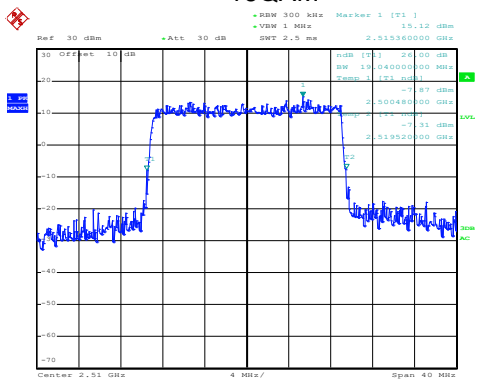
Date: 11.JAN.2021 15:51:51

Highest channel



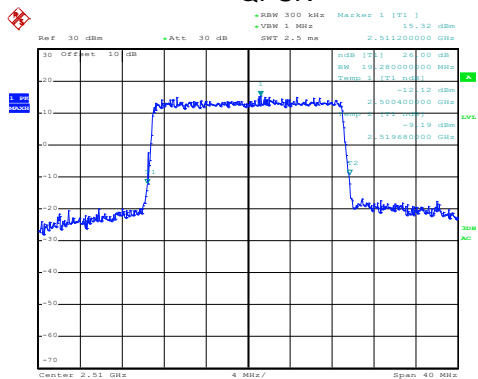
LTE Band 7: -26dBc bandwidth  
BW: 20MHz

16QAM



Date: 11.JAN.2021 15:55:09

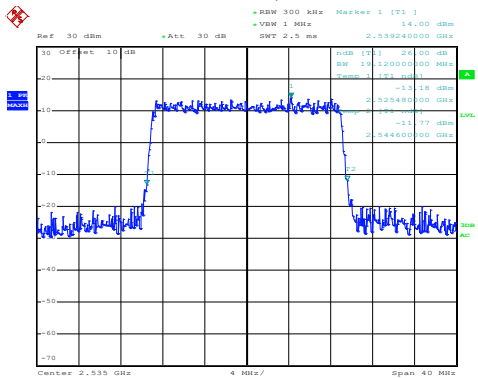
QPSK



Date: 11.JAN.2021 15:55:06

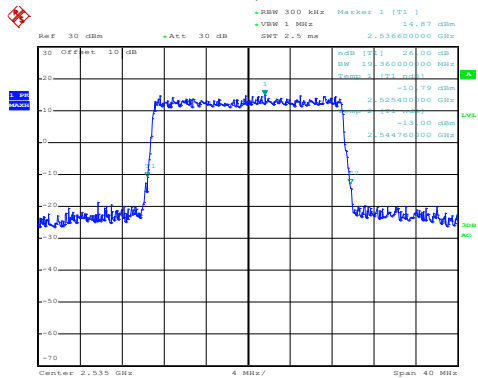
Lowest channel

16QAM



Date: 11.JAN.2021 15:54:33

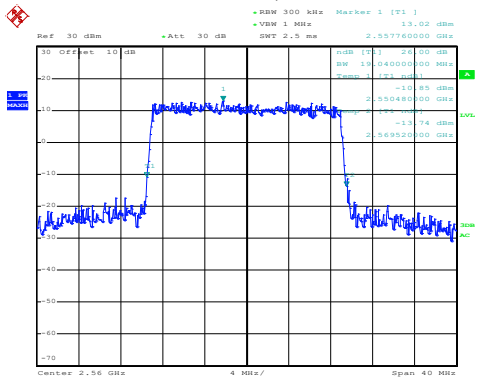
QPSK



Date: 11.JAN.2021 15:54:29

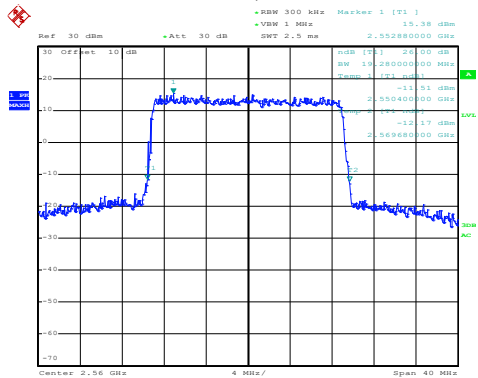
Middle channel

16QAM



Date: 11.JAN.2021 15:54:22

QPSK

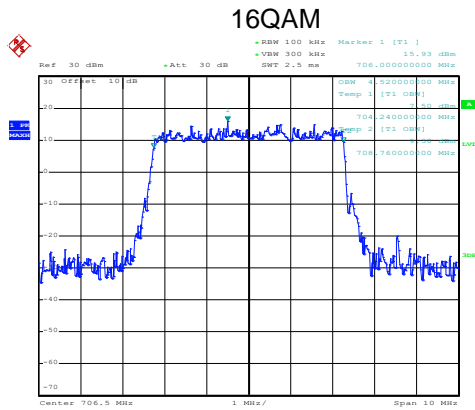


Date: 11.JAN.2021 15:54:19

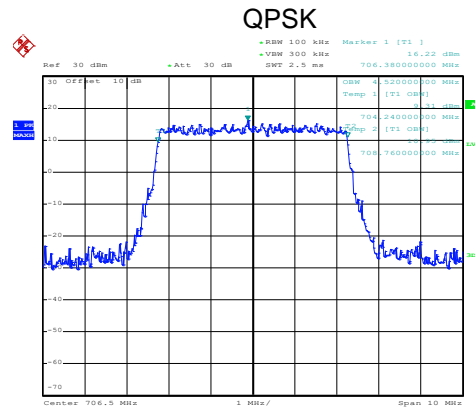
Highest channel

LTE Band 17 part:

LTE Band 17: 99% Occupy bandwidth  
BW: 5MHz

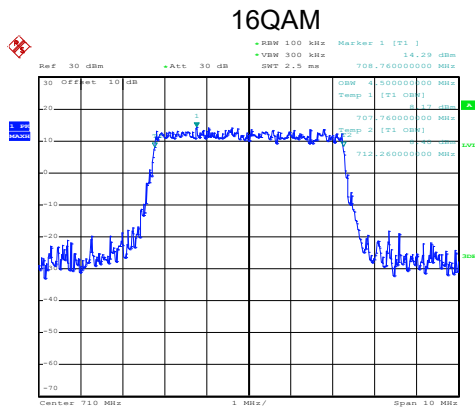


Date: 11.JAN.2021 15:46:17

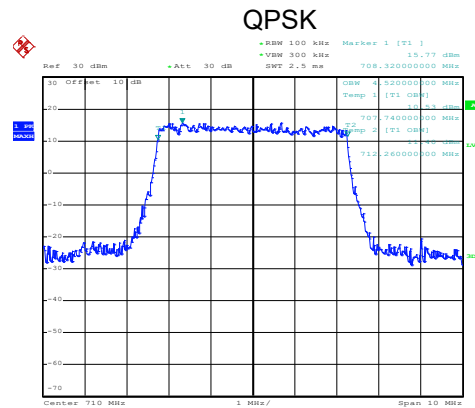


Date: 11.JAN.2021 15:46:13

Lowest channel

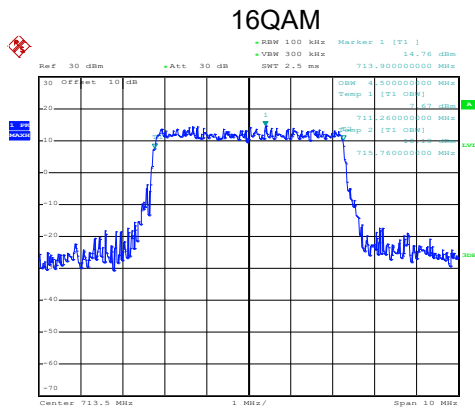


Date: 11.JAN.2021 15:45:45

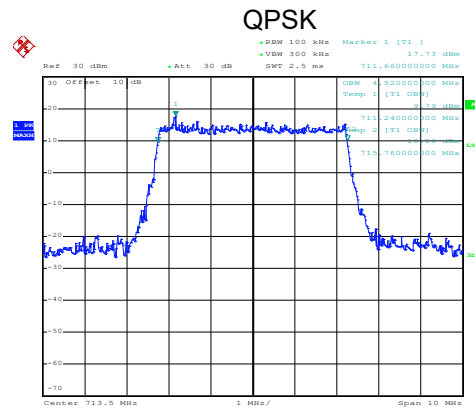


Date: 11.JAN.2021 15:45:42

Middle channel



Date: 11.JAN.2021 15:45:24

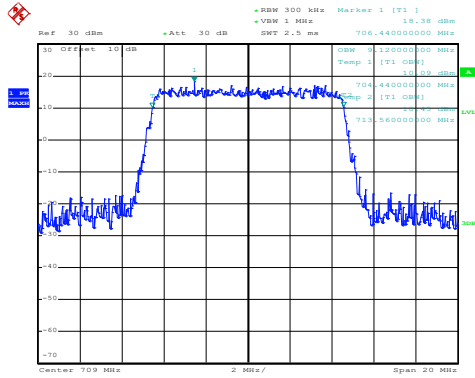


Date: 11.JAN.2021 15:45:21

Highest channel

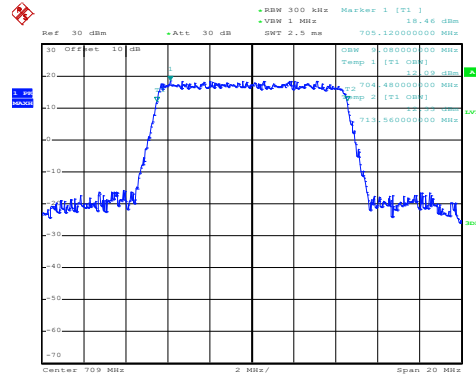
## LTE Band 17: 99% Occupancy bandwidth BW: 10MHz

16QAM



Date: 11.JAN.2021 15:43:46

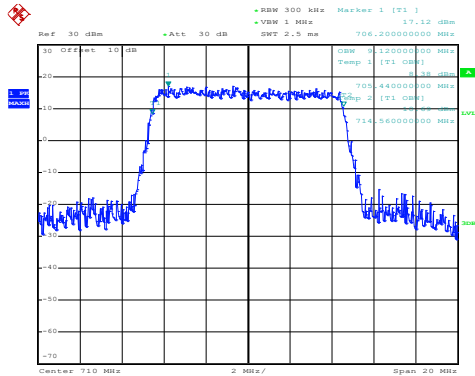
QPSK



Date: 11.JAN.2021 15:43:42

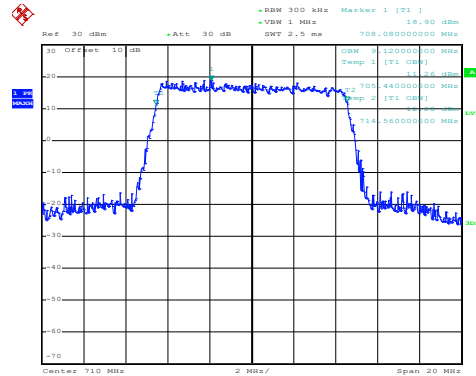
### Lowest channel

16QAM



Date: 11.JAN.2021 15:44:23

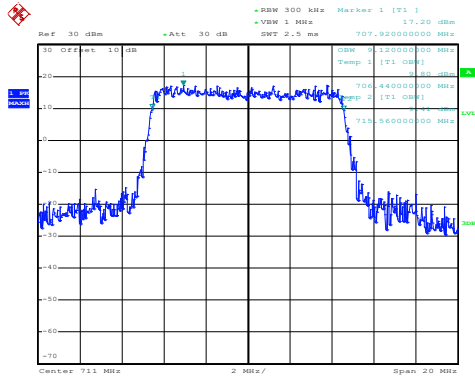
QPSK



Date: 11.JAN.2021 15:44:20

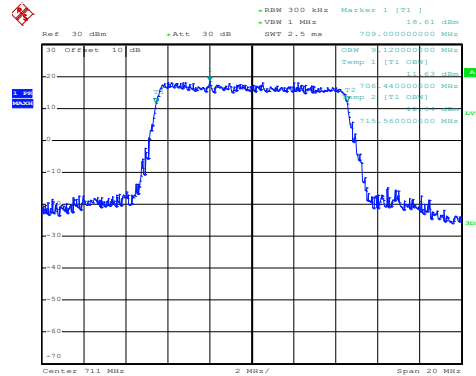
### Middle channel

16QAM



Date: 11.JAN.2021 15:44:37

QPSK

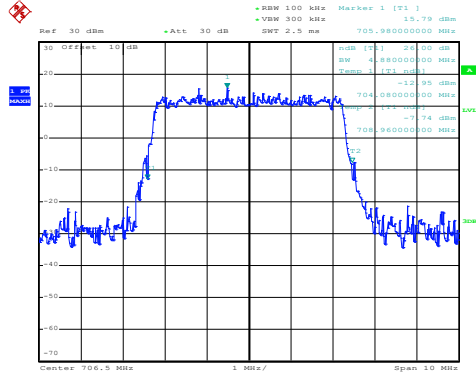


Date: 11.JAN.2021 15:44:33

### Highest channel

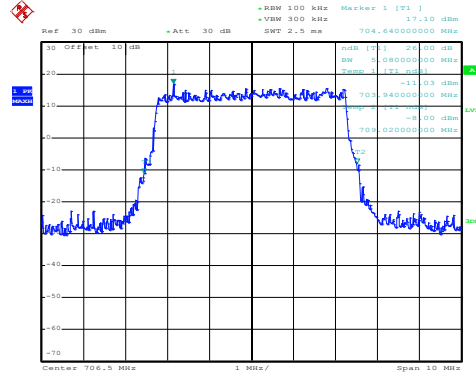
LTE Band 17: -26dBc bandwidth  
BW: 5MHz

16QAM



Date: 11.JAN.2021 15:46:08

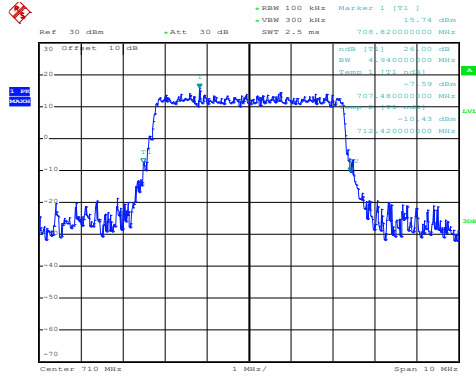
QPSK



Date: 11.JAN.2021 15:46:04

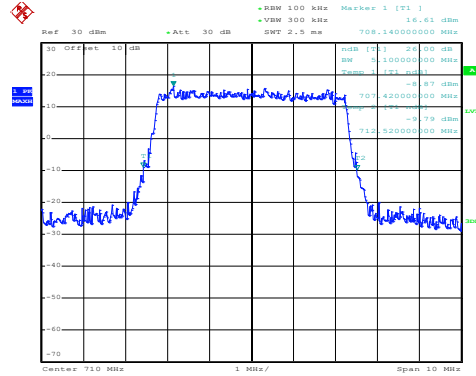
Lowest channel

16QAM



Date: 11.JAN.2021 15:45:56

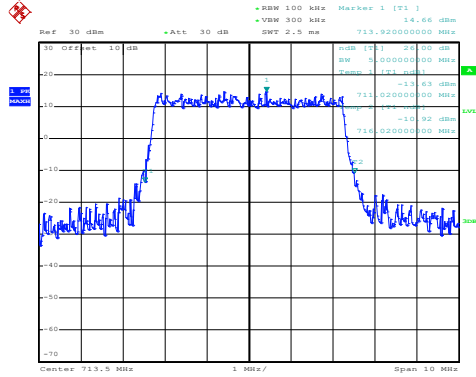
QPSK



Date: 11.JAN.2021 15:45:52

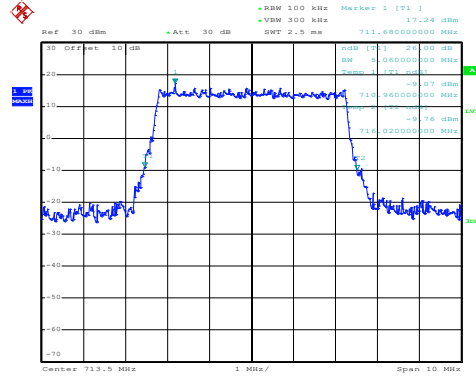
Middle channel

16QAM



Date: 11.JAN.2021 15:45:13

QPSK

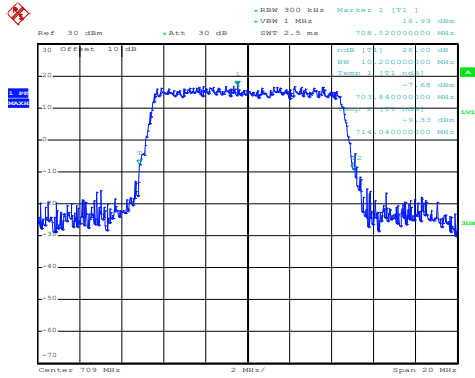


Date: 11.JAN.2021 15:45:10

Highest channel

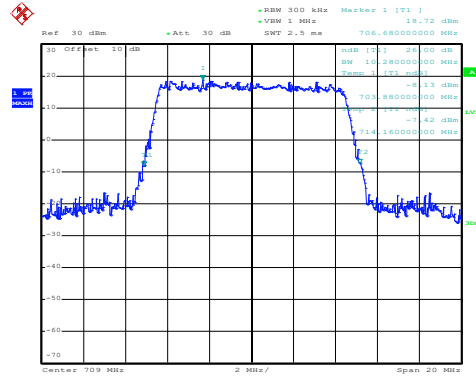
LTE Band 17: -26dBc bandwidth  
BW: 10MHz

16QAM



Date: 11.JAN.2021 15:43:56

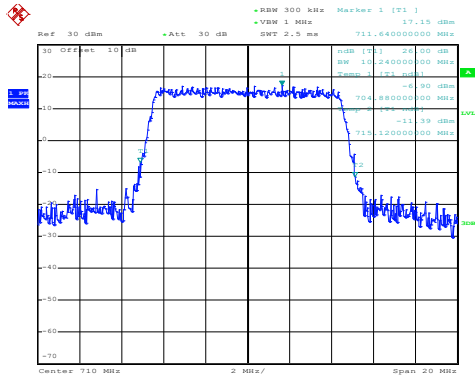
QPSK



Date: 11.JAN.2021 15:43:53

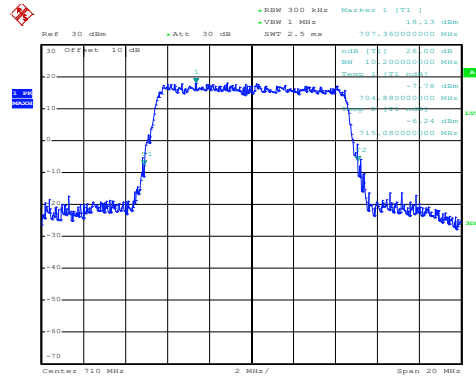
Lowest channel

16QAM



Date: 11.JAN.2021 15:44:14

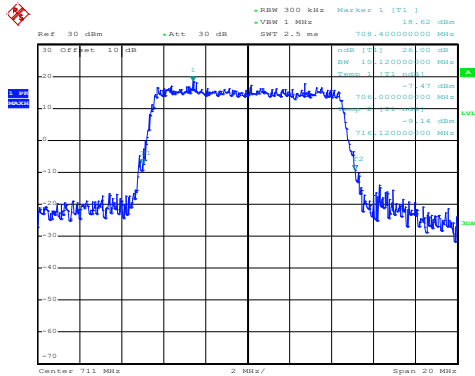
QPSK



Date: 11.JAN.2021 15:44:08

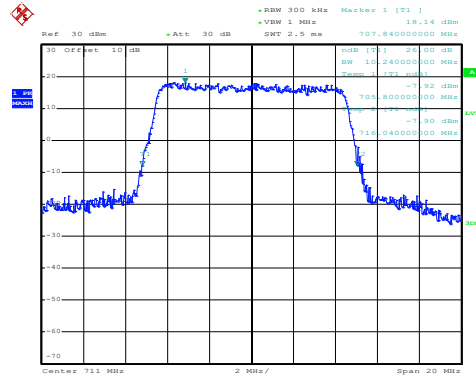
Middle channel

16QAM



Date: 11.JAN.2021 15:44:46

QPSK

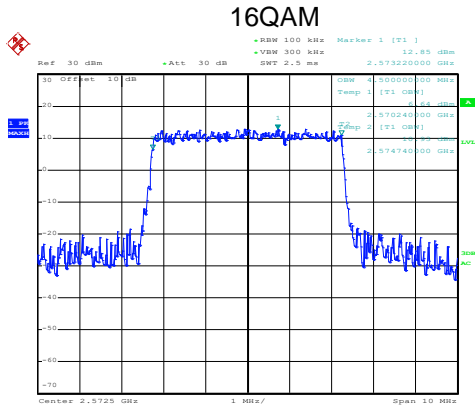


Date: 11.JAN.2021 15:44:42

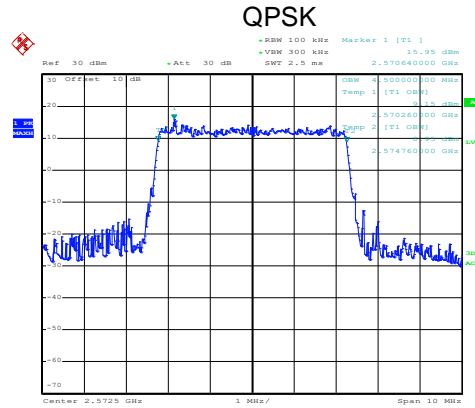
Highest channel

LTE-Band 38 part:

LTE Band 38: 99% Occupy bandwidth  
BW: 5MHz

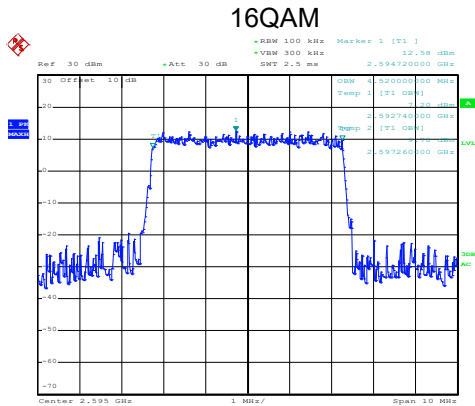


Date: 11.JAN.2021 15:56:05

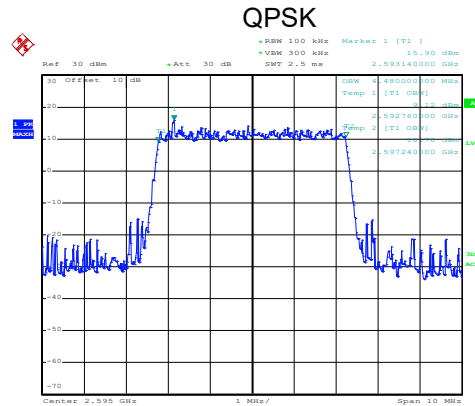


Date: 11.JAN.2021 15:55:59

Lowest channel

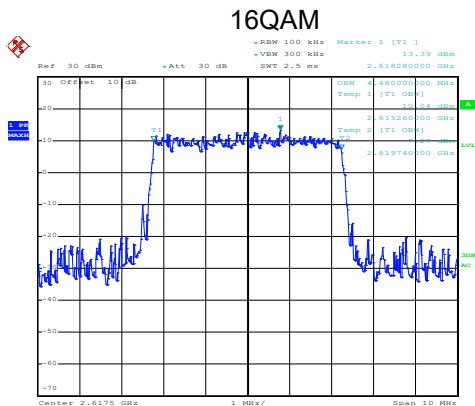


Date: 11.JAN.2021 15:56:43

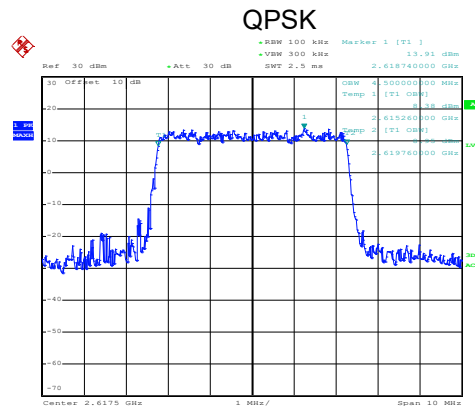


Date: 11.JAN.2021 15:56:38

Middle channel



Date: 11.JAN.2021 15:57:00

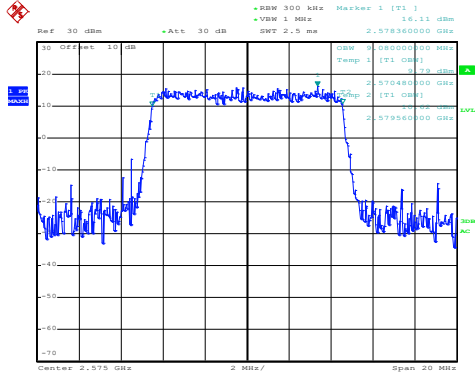


Date: 11.JAN.2021 15:56:56

Highest channel

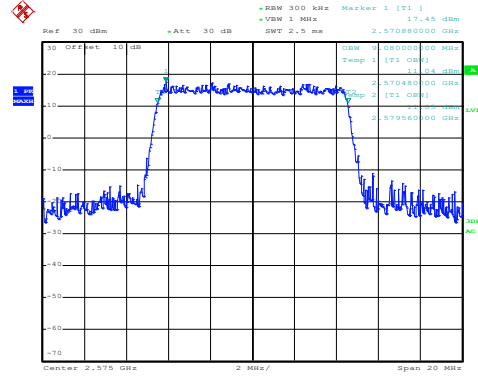
LTE Band 38: 99% Occupancy bandwidth  
BW: 10MHz

16QAM



Date: 11.JAN.2021 15:58:00

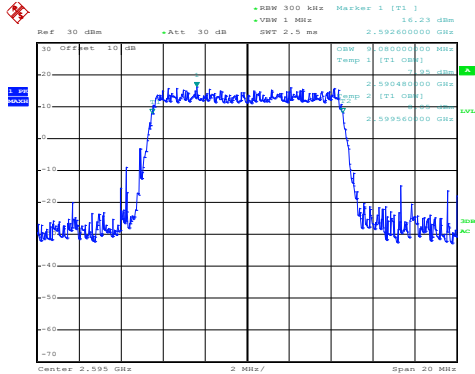
QPSK



Date: 11.JAN.2021 15:57:56

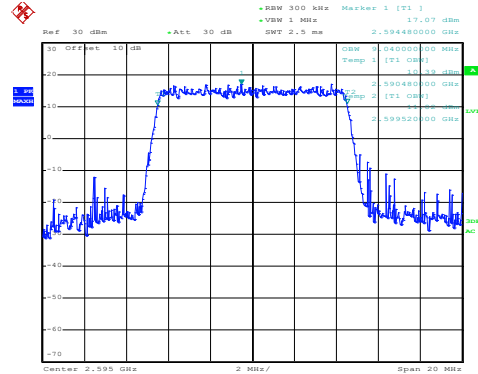
Lowest channel

16QAM



Date: 11.JAN.2021 15:58:13

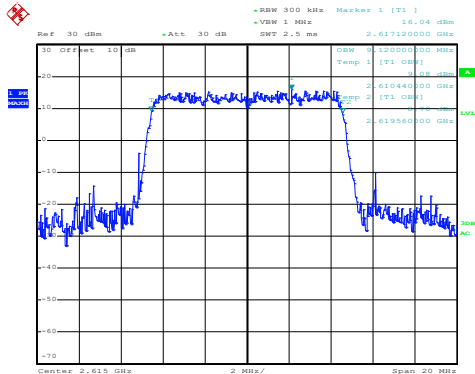
QPSK



Date: 11.JAN.2021 15:58:09

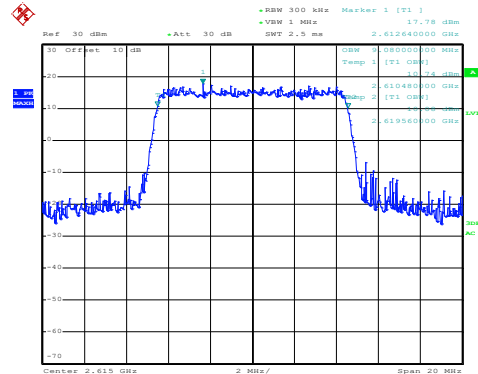
Middle channel

16QAM



Date: 11.JAN.2021 15:58:57

QPSK

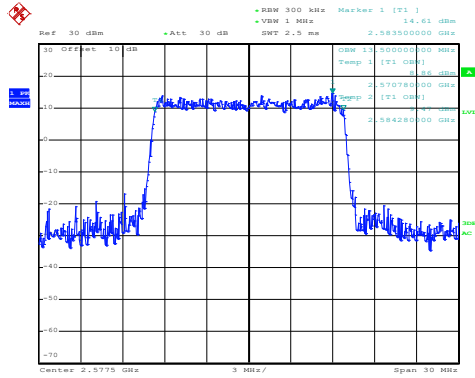


Date: 11.JAN.2021 15:58:52

Highest channel

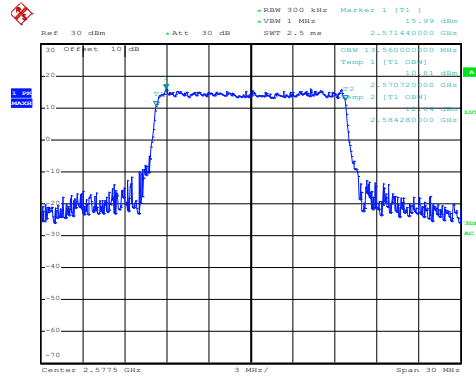
## LTE Band 38: 99% Occupancy bandwidth BW: 15MHz

### 16QAM



Date: 11.JAN.2021 16:01:27

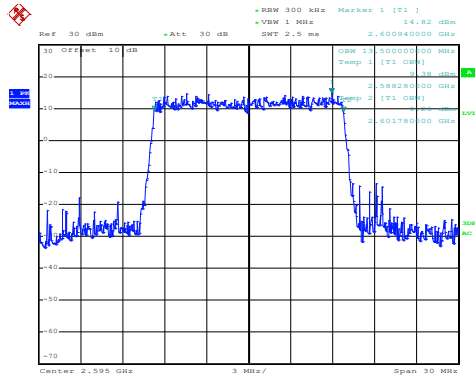
### QPSK



Date: 11.JAN.2021 16:01:23

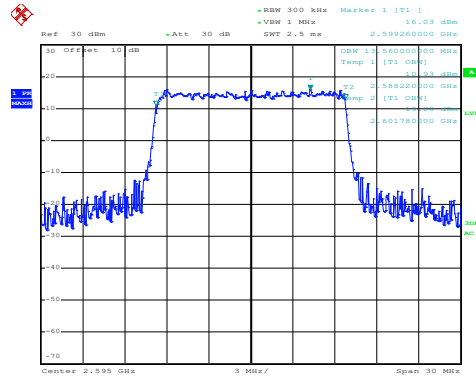
### Lowest channel

### 16QAM



Date: 11.JAN.2021 16:00:06

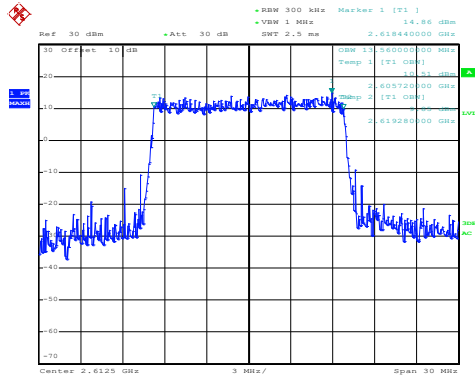
### QPSK



Date: 11.JAN.2021 16:02:19

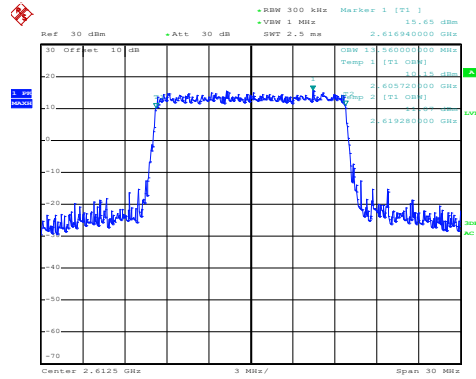
### Middle channel

### 16QAM



Date: 11.JAN.2021 15:59:27

### QPSK



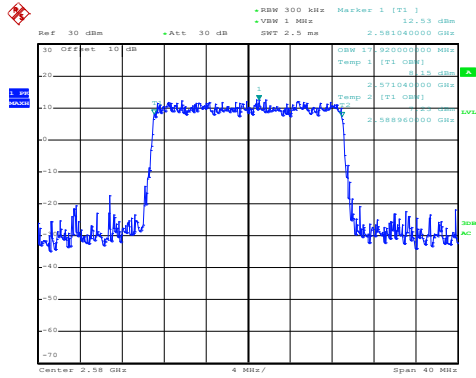
Date: 11.JAN.2021 15:59:24

### Highest channel



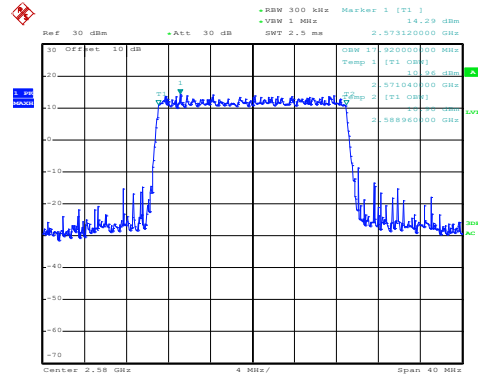
## LTE Band 38: 99% Occupancy bandwidth BW: 20MHz

16QAM



Date: 11.JAN.2021 16:03:57

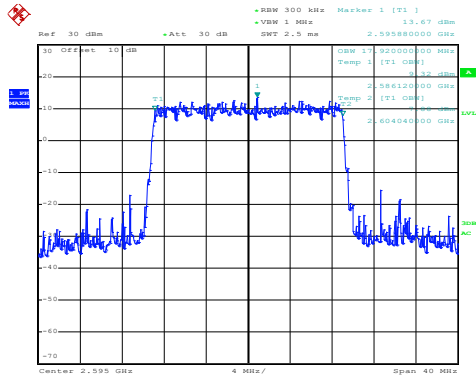
QPSK



Date: 11.JAN.2021 16:03:54

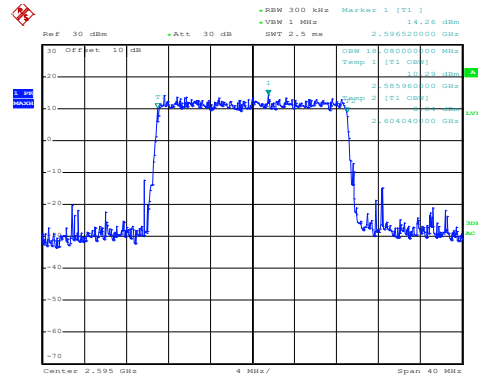
### Lowest channel

16QAM



Date: 11.JAN.2021 16:04:09

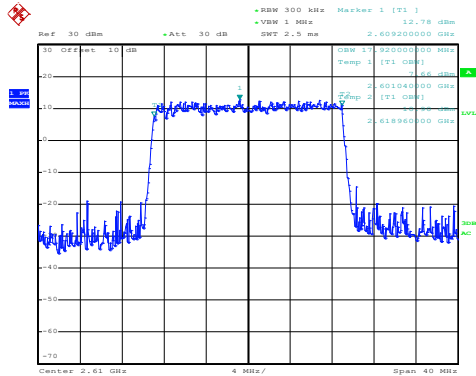
QPSK



Date: 11.JAN.2021 16:04:05

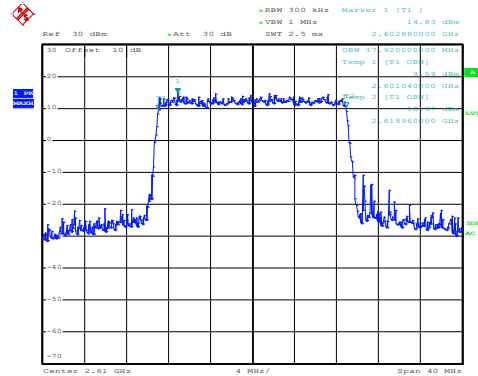
### Middle channel

16QAM



Date: 11.JAN.2021 16:05:07

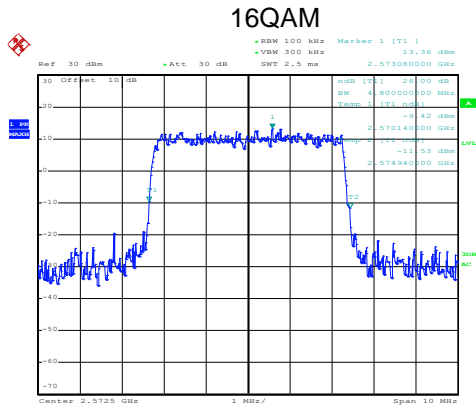
QPSK



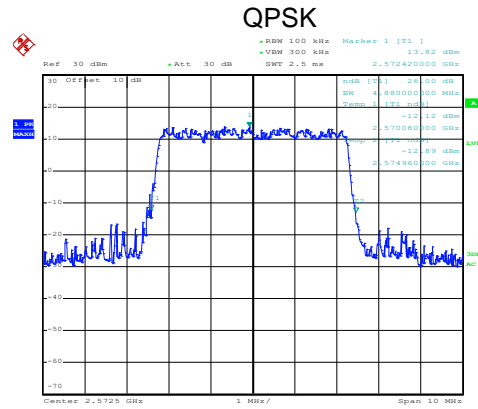
Date: 11.JAN.2021 16:05:03

### Highest channel

LTE Band 38: -26dBc bandwidth  
BW: 5MHz

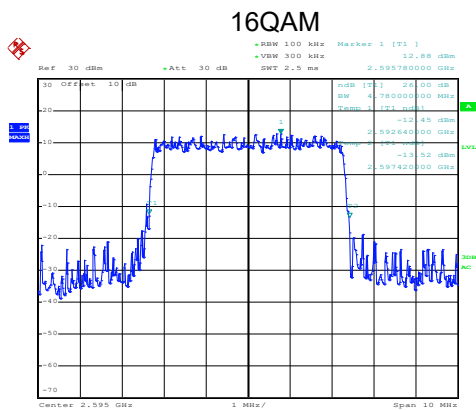


Date: 11.JAN.2021 15:56:16

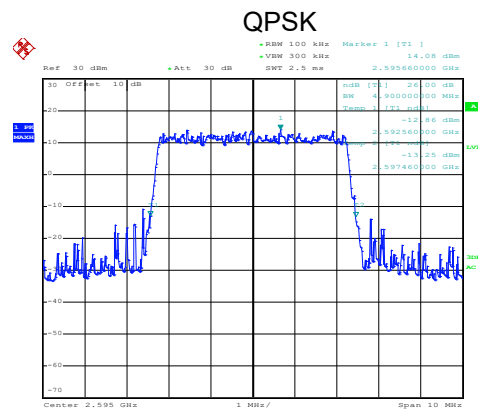


Date: 11.JAN.2021 15:56:12

Lowest channel

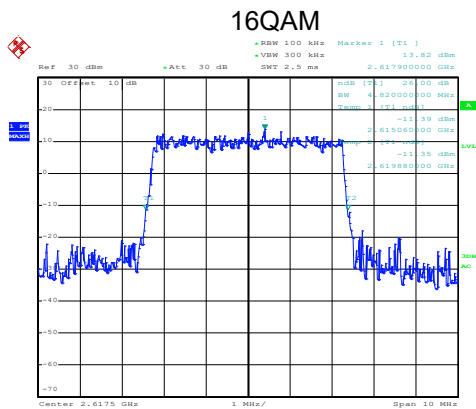


Date: 11.JAN.2021 15:56:32

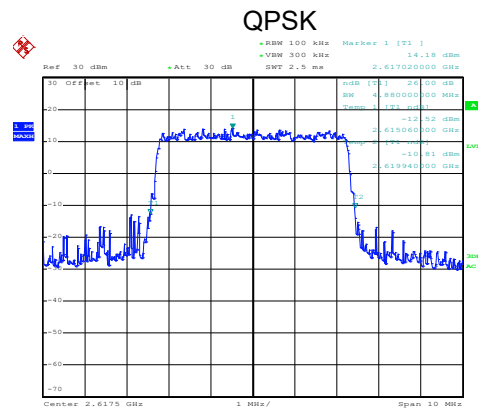


Date: 11.JAN.2021 15:56:28

Middle channel



Date: 11.JAN.2021 15:57:10

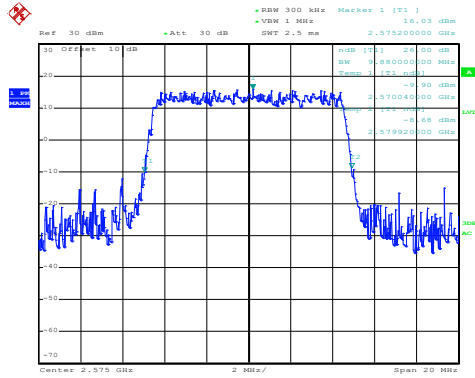


Date: 11.JAN.2021 15:57:06

Highest channel

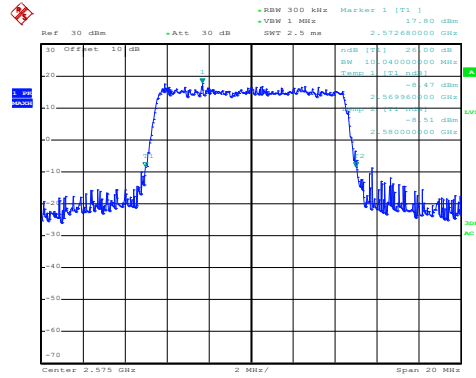
LTE Band 38: -26dBc bandwidth  
BW: 10MHz

16QAM



Date: 11.JAN.2021 15:57:49

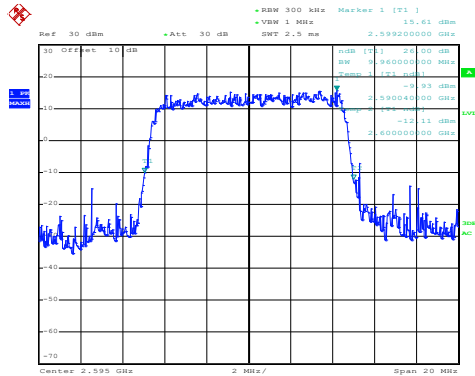
QPSK



Date: 11.JAN.2021 15:57:46

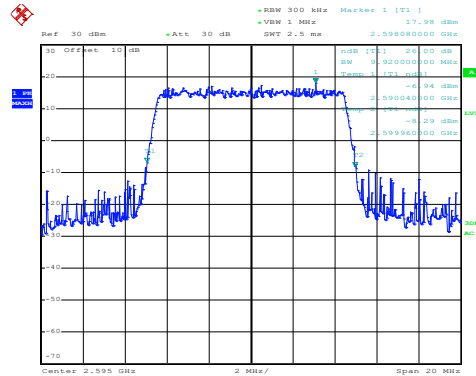
Lowest channel

16QAM



Date: 11.JAN.2021 15:58:24

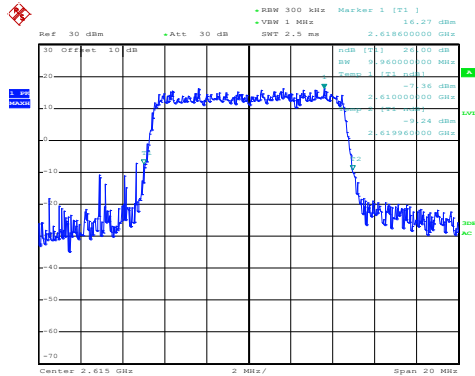
QPSK



Date: 11.JAN.2021 15:58:20

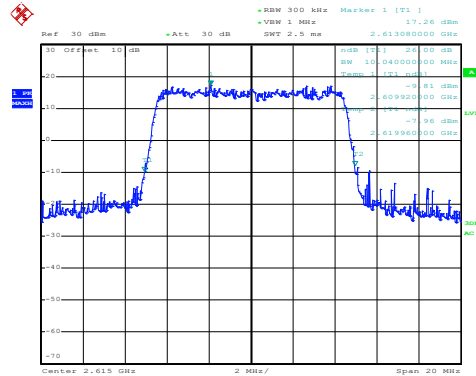
Middle channel

16QAM



Date: 11.JAN.2021 15:58:47

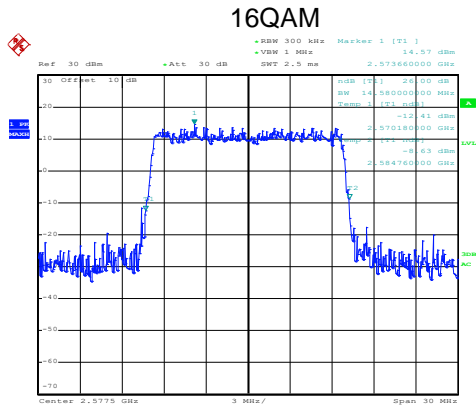
QPSK



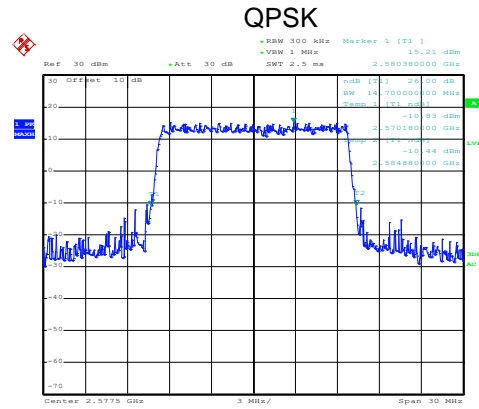
Date: 11.JAN.2021 15:58:43

Highest channel

LTE Band 38: -26dBc bandwidth  
BW: 15MHz

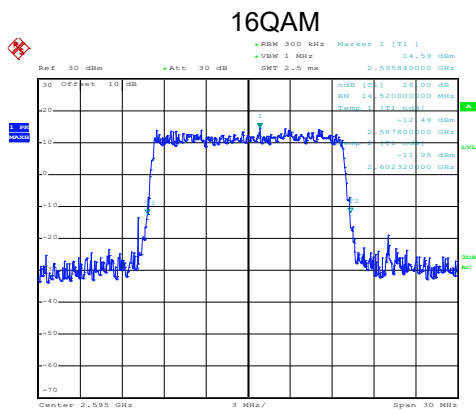


Date: 11.JAN.2021 16:01:37

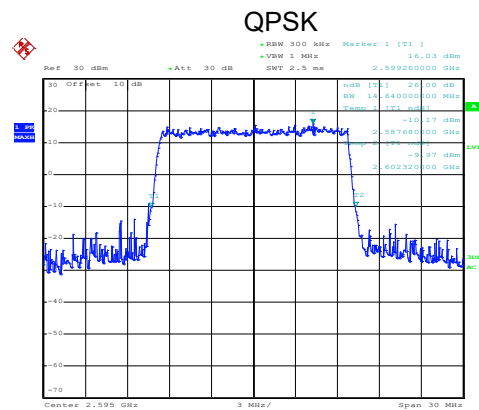


Date: 11.JAN.2021 16:01:34

Lowest channel

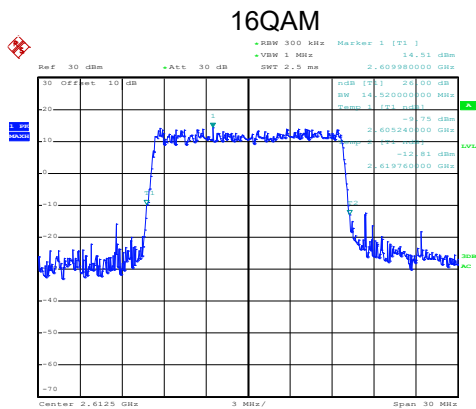


Date: 11.JAN.2021 15:59:53

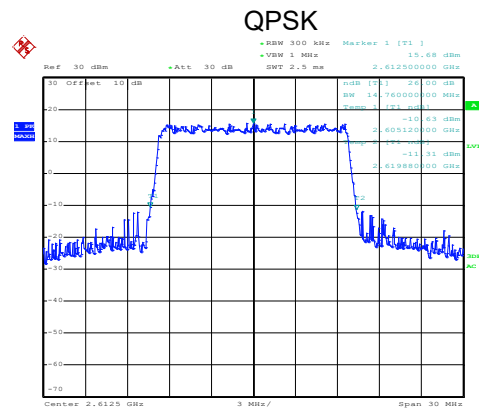


Date: 11.JAN.2021 16:02:27

Middle channel



Date: 11.JAN.2021 15:59:41

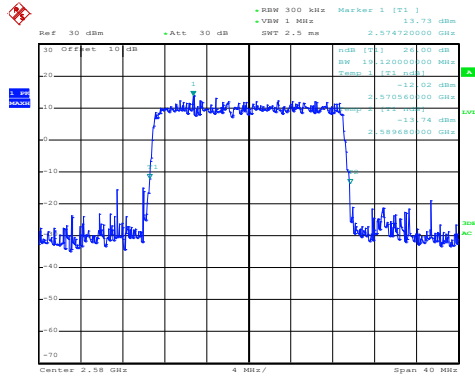


Date: 11.JAN.2021 15:59:37

Highest channel

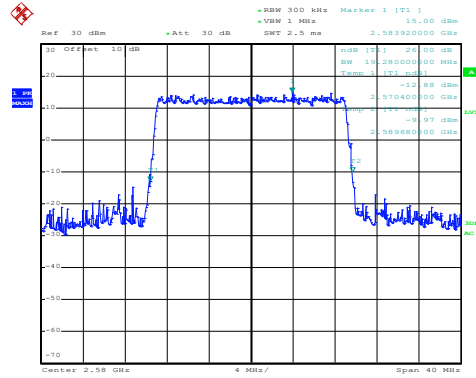
LTE Band 38: -26dBc bandwidth  
BW: 20MHz

16QAM



Date: 11.JAN.2021 16:03:48

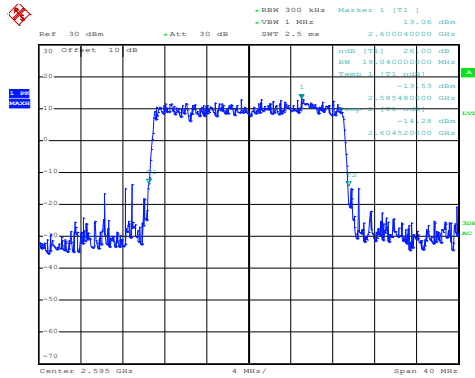
QPSK



Date: 11.JAN.2021 16:03:44

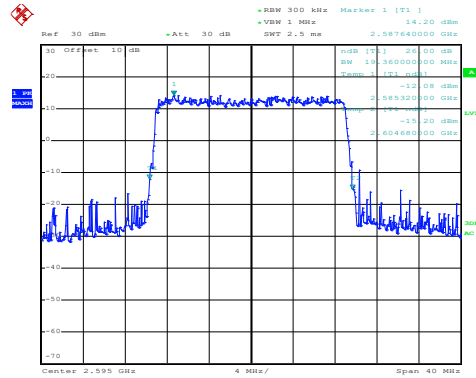
Lowest channel

16QAM



Date: 11.JAN.2021 16:04:22

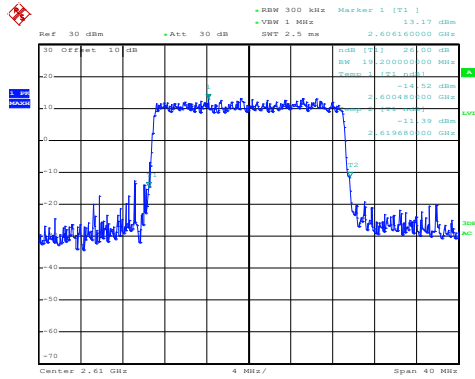
QPSK



Date: 11.JAN.2021 16:04:18

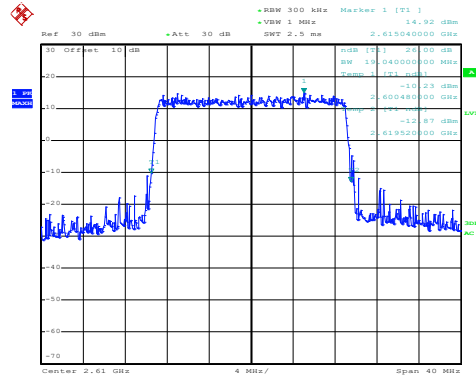
Middle channel

16QAM



Date: 11.JAN.2021 16:04:56

QPSK

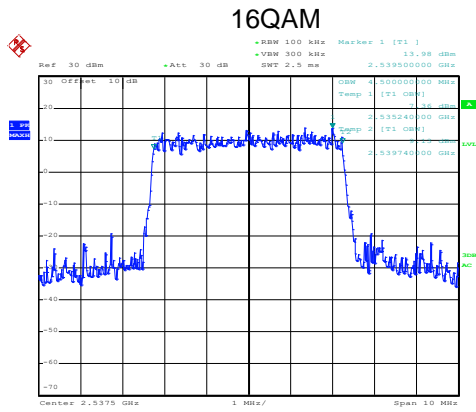


Date: 11.JAN.2021 16:04:52

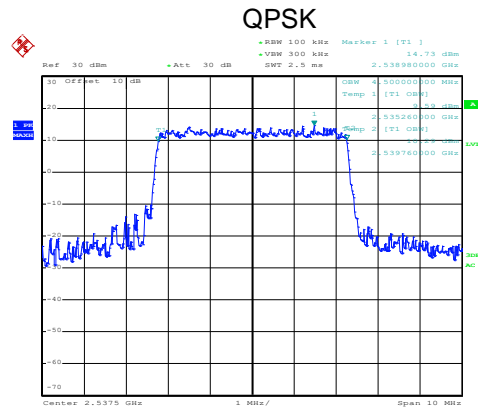
Highest channel

LTE-Band 41 part:

LTE Band 41: 99% Occupy bandwidth  
BW: 5MHz

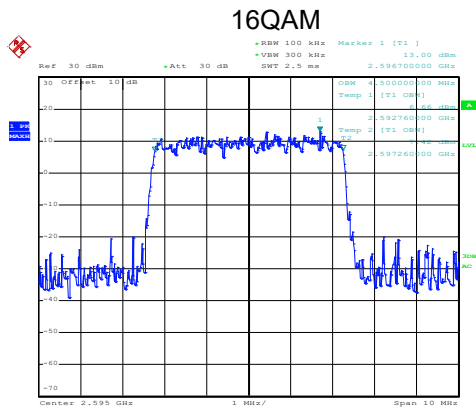


Date: 11.JAN.2021 16:05:41

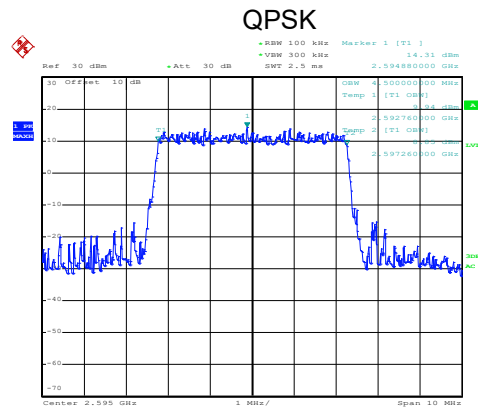


Date: 11.JAN.2021 16:05:37

Lowest channel

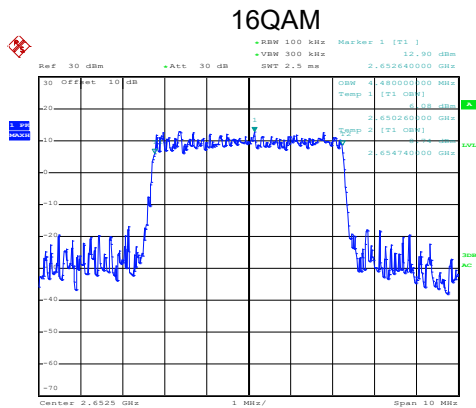


Date: 11.JAN.2021 16:06:16

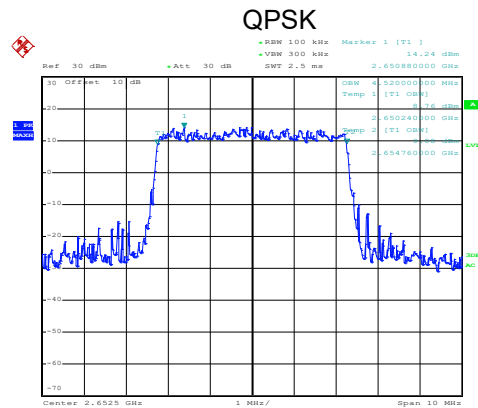


Date: 11.JAN.2021 16:06:12

Middle channel



Date: 11.JAN.2021 16:06:31

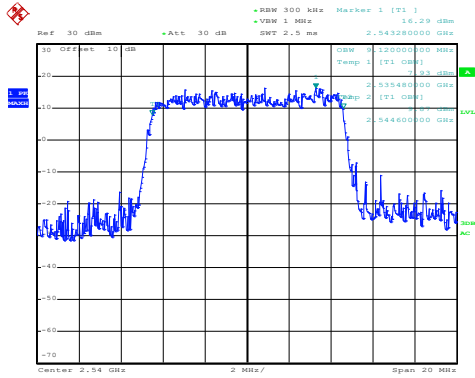


Date: 11.JAN.2021 16:06:27

Highest channel

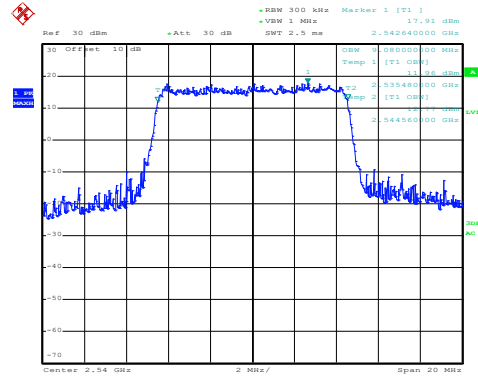
## LTE Band 41: 99% Occupancy bandwidth BW: 10MHz

16QAM



Date: 11.JAN.2021 16:07:19

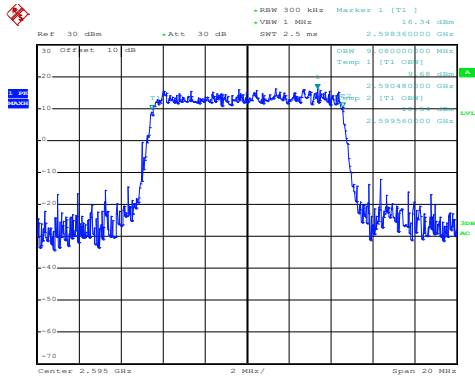
QPSK



Date: 11.JAN.2021 16:07:15

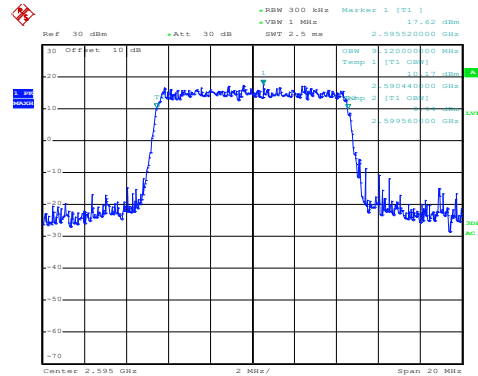
### Lowest channel

16QAM



Date: 11.JAN.2021 16:07:33

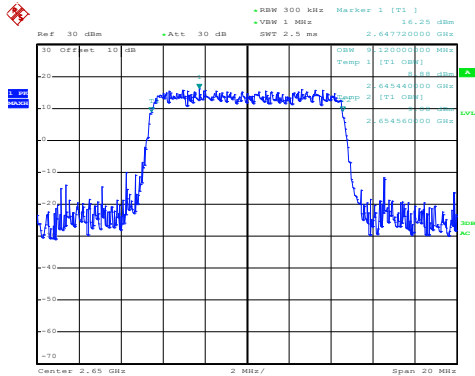
QPSK



Date: 11.JAN.2021 16:07:29

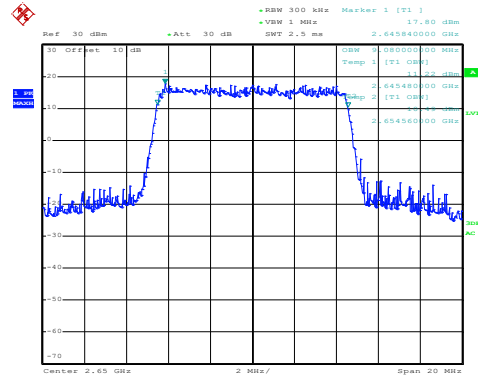
### Middle channel

16QAM



Date: 11.JAN.2021 16:08:25

QPSK

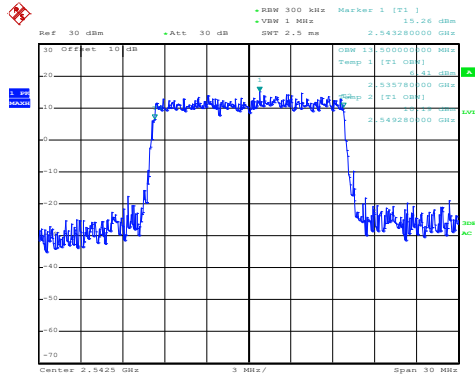


Date: 11.JAN.2021 16:08:21

### Highest channel

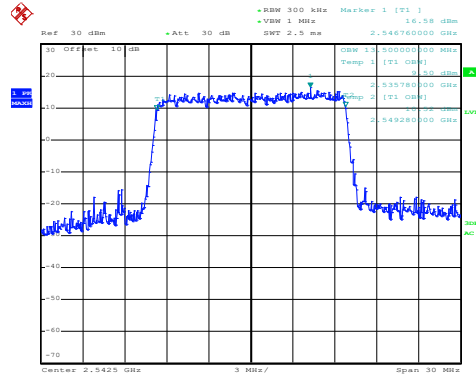
## LTE Band 41: 99% Occupy bandwidth BW: 15MHz

16QAM



Date: 11.JAN.2021 16:10:17

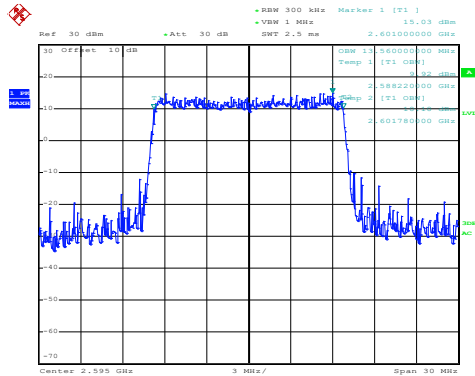
QPSK



Date: 11.JAN.2021 16:10:13

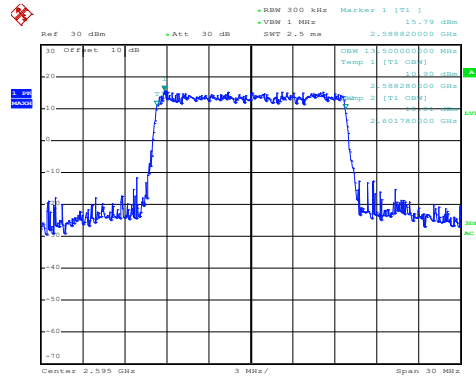
### Lowest channel

16QAM



Date: 11.JAN.2021 16:09:28

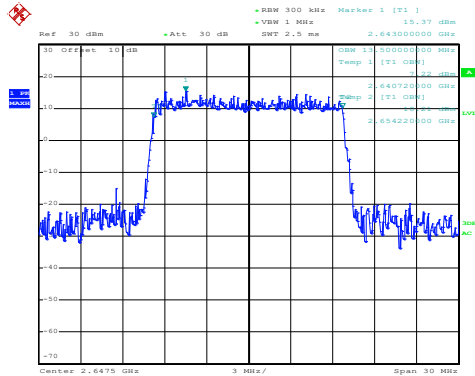
QPSK



Date: 11.JAN.2021 16:09:24

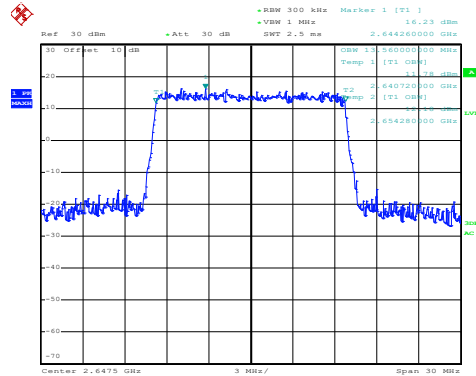
### Middle channel

16QAM



Date: 11.JAN.2021 16:08:51

QPSK



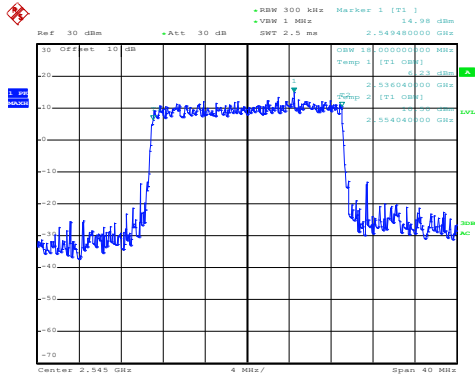
Date: 11.JAN.2021 16:08:48

### Highest channel



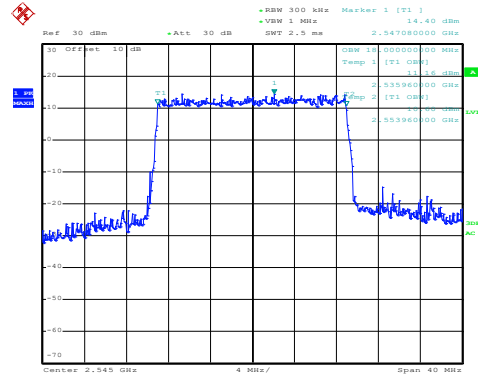
## LTE Band 41: 99% Occupancy bandwidth BW: 20MHz

16QAM



Date: 11.JAN.2021 16:11:40

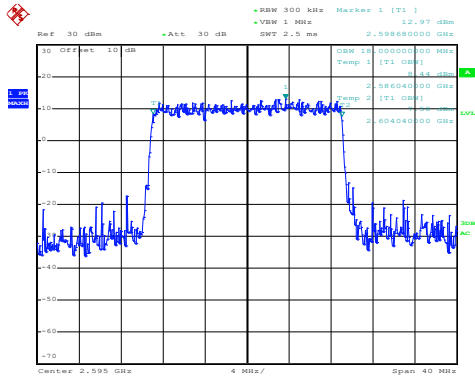
QPSK



Date: 11.JAN.2021 16:11:36

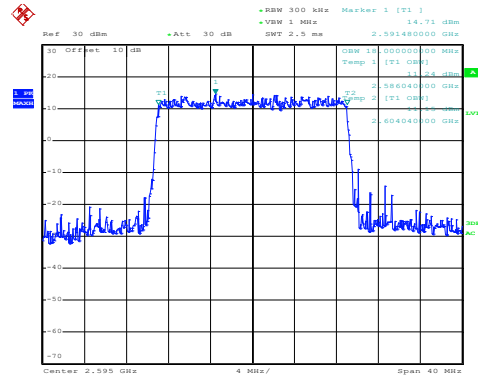
### Lowest channel

16QAM



Date: 11.JAN.2021 16:11:55

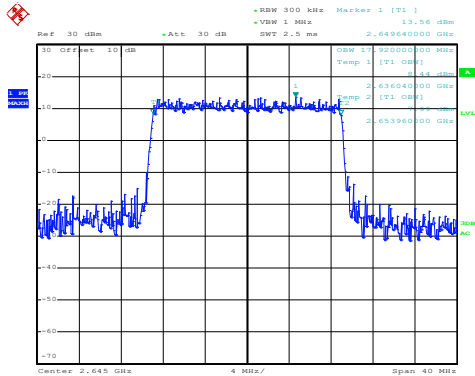
QPSK



Date: 11.JAN.2021 16:11:51

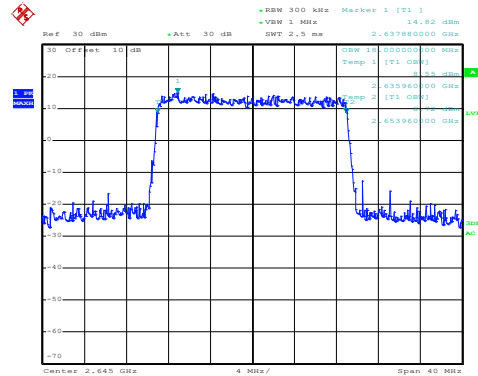
### Middle channel

16QAM



Date: 11.JAN.2021 16:12:34

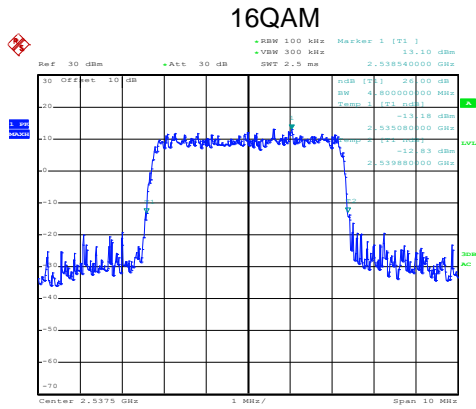
QPSK



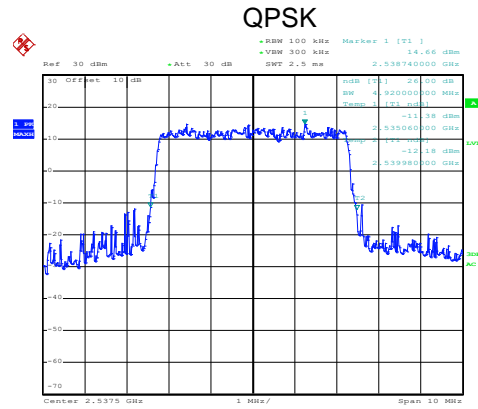
Date: 11.JAN.2021 16:12:30

### Highest channel

## LTE Band 41: -26dBc bandwidth BW: 5MHz

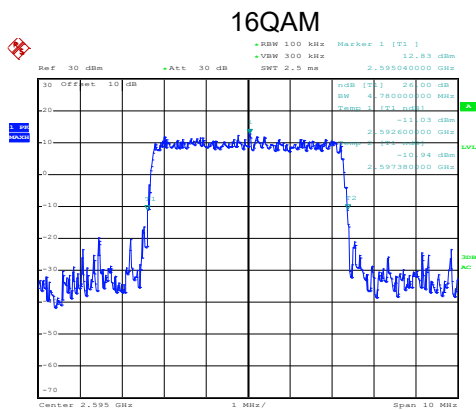


Date: 11.JAN.2021 16:05:51

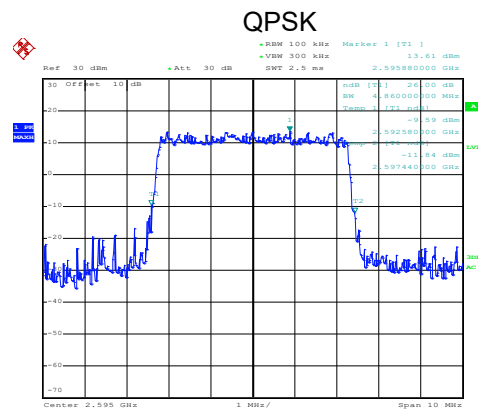


Date: 11.JAN.2021 16:05:47

### Lowest channel

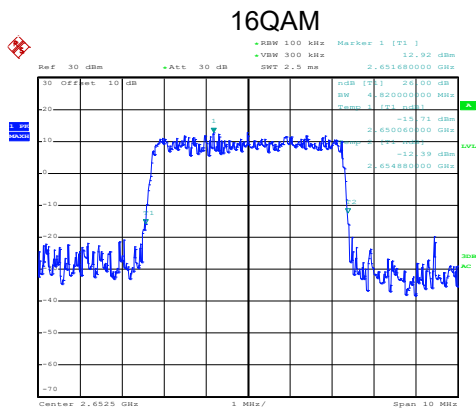


Date: 11.JAN.2021 16:06:05

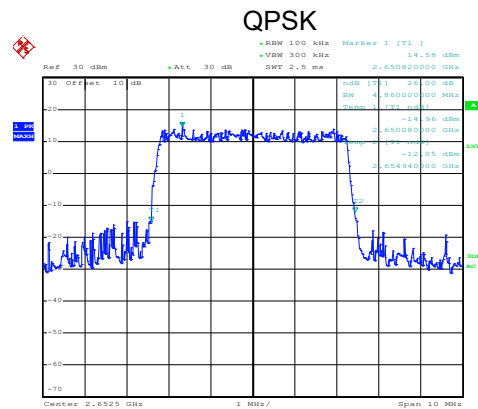


Date: 11.JAN.2021 16:06:01

### Middle channel



Date: 11.JAN.2021 16:06:41

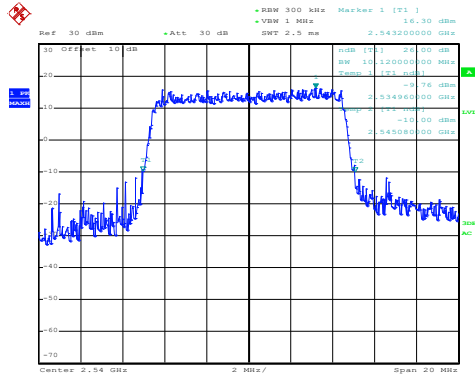


Date: 11.JAN.2021 16:06:37

### Highest channel

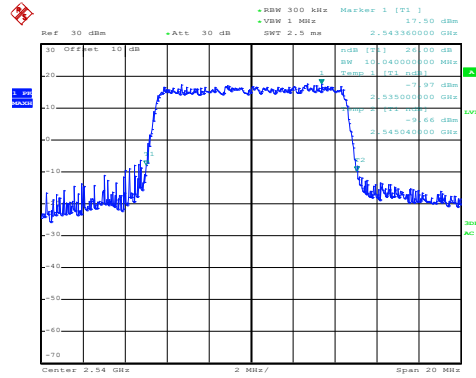
LTE Band 41: -26dBc bandwidth  
BW: 10MHz

16QAM



Date: 11.JAN.2021 16:07:07

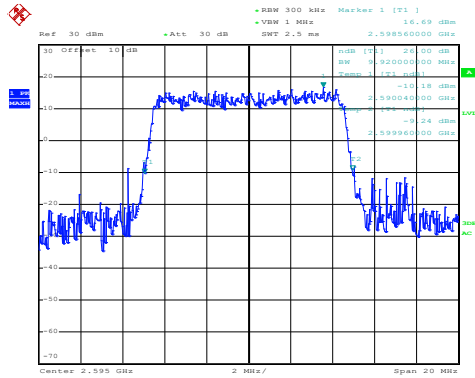
QPSK



Date: 11.JAN.2021 16:07:03

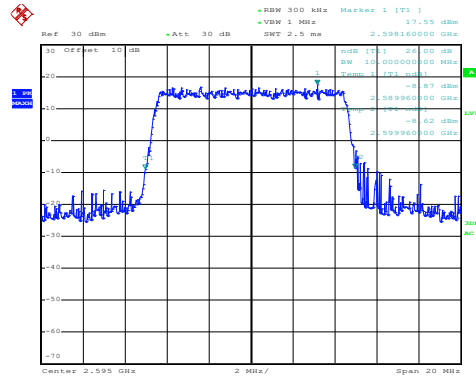
Lowest channel

16QAM



Date: 11.JAN.2021 16:07:44

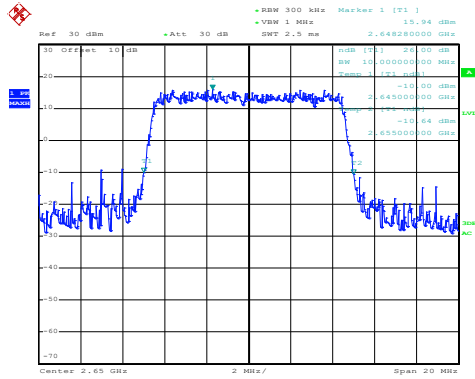
QPSK



Date: 11.JAN.2021 16:07:40

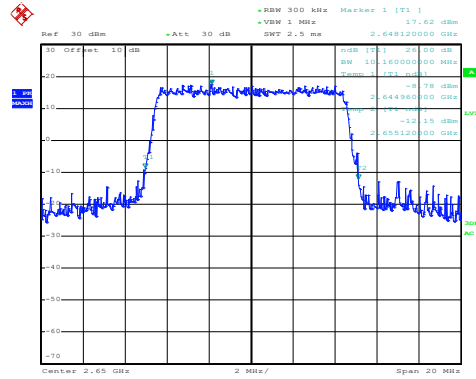
Middle channel

16QAM



Date: 11.JAN.2021 16:08:13

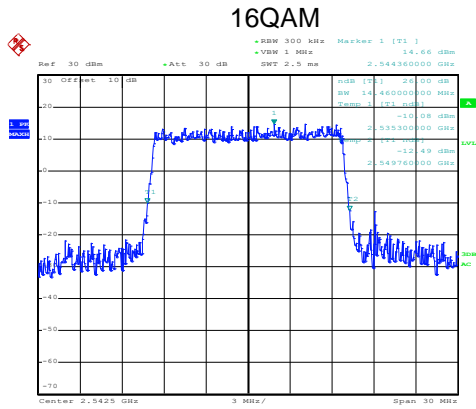
QPSK



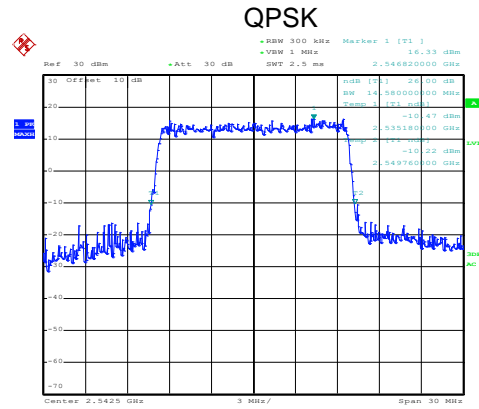
Date: 11.JAN.2021 16:08:09

Highest channel

## LTE Band 41: -26dBc bandwidth BW: 15MHz

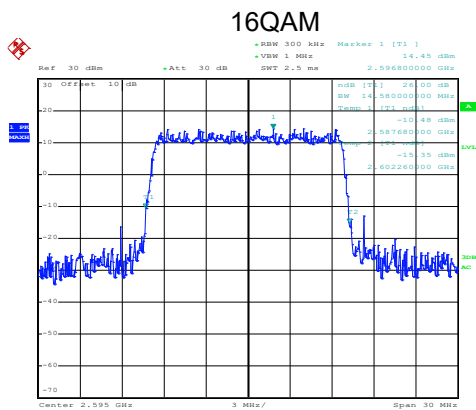


Date: 11.JAN.2021 16:10:27

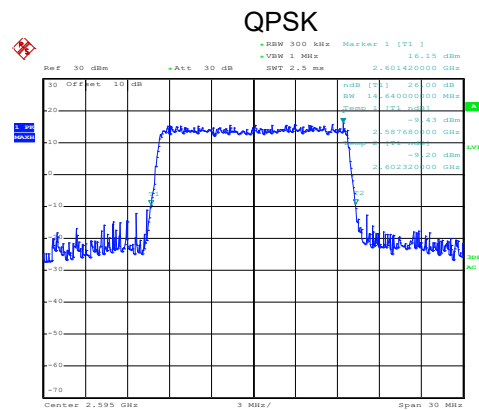


Date: 11.JAN.2021 16:10:23

### Lowest channel

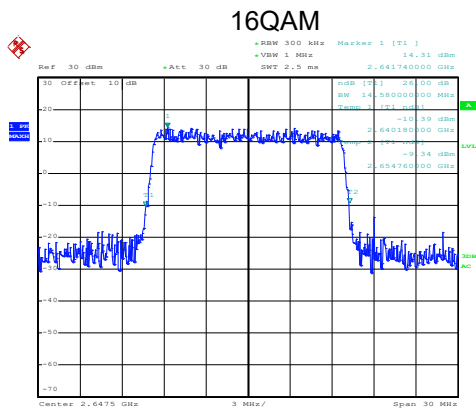


Date: 11.JAN.2021 16:09:17

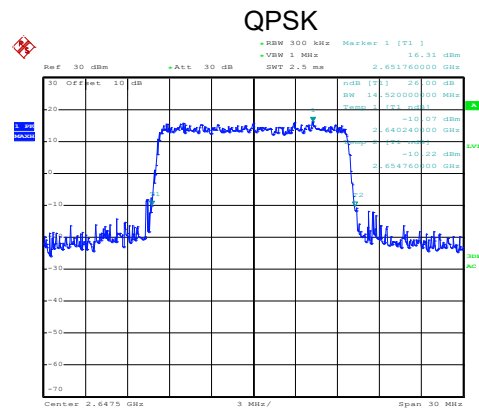


Date: 11.JAN.2021 16:10:40

### Middle channel



Date: 11.JAN.2021 16:09:03

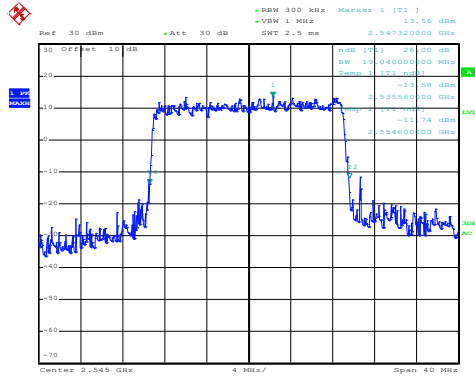


Date: 11.JAN.2021 16:08:59

### Highest channel

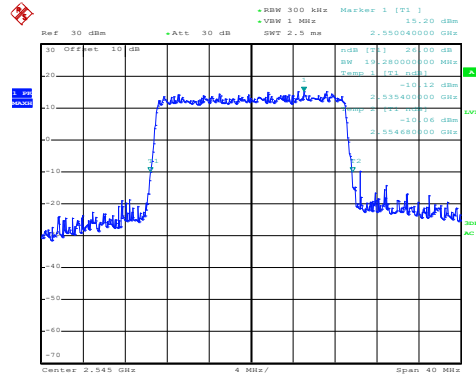
## LTE Band 41: -26dBc bandwidth BW: 20MHz

### 16QAM



Date: 11.JAN.2021 16:11:30

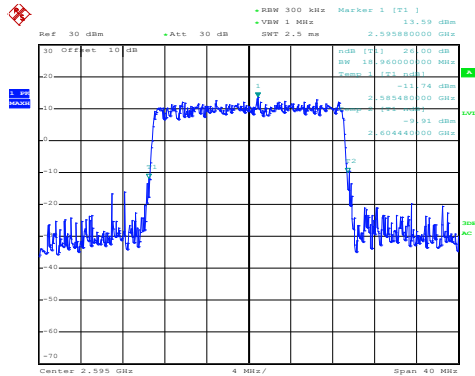
### QPSK



Date: 11.JAN.2021 16:11:25

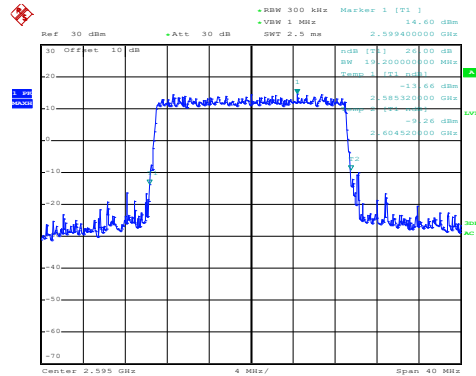
### Lowest channel

### 16QAM



Date: 11.JAN.2021 16:12:05

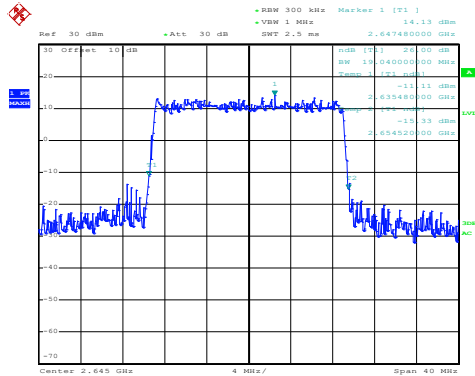
### QPSK



Date: 11.JAN.2021 16:12:01

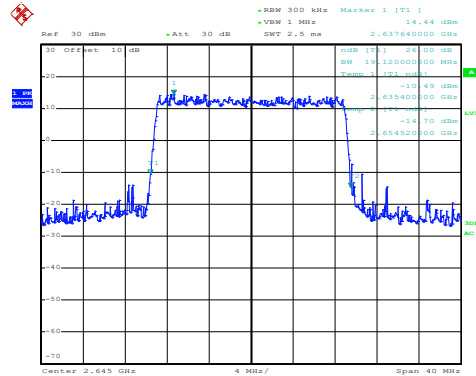
### Middle channel

### 16QAM



Date: 11.JAN.2021 16:12:23

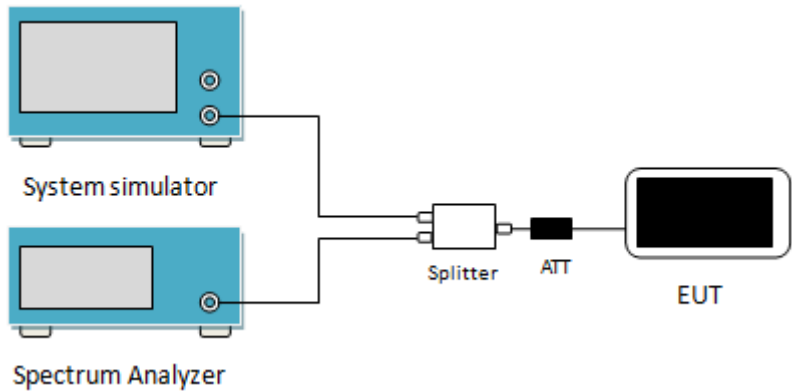
### QPSK



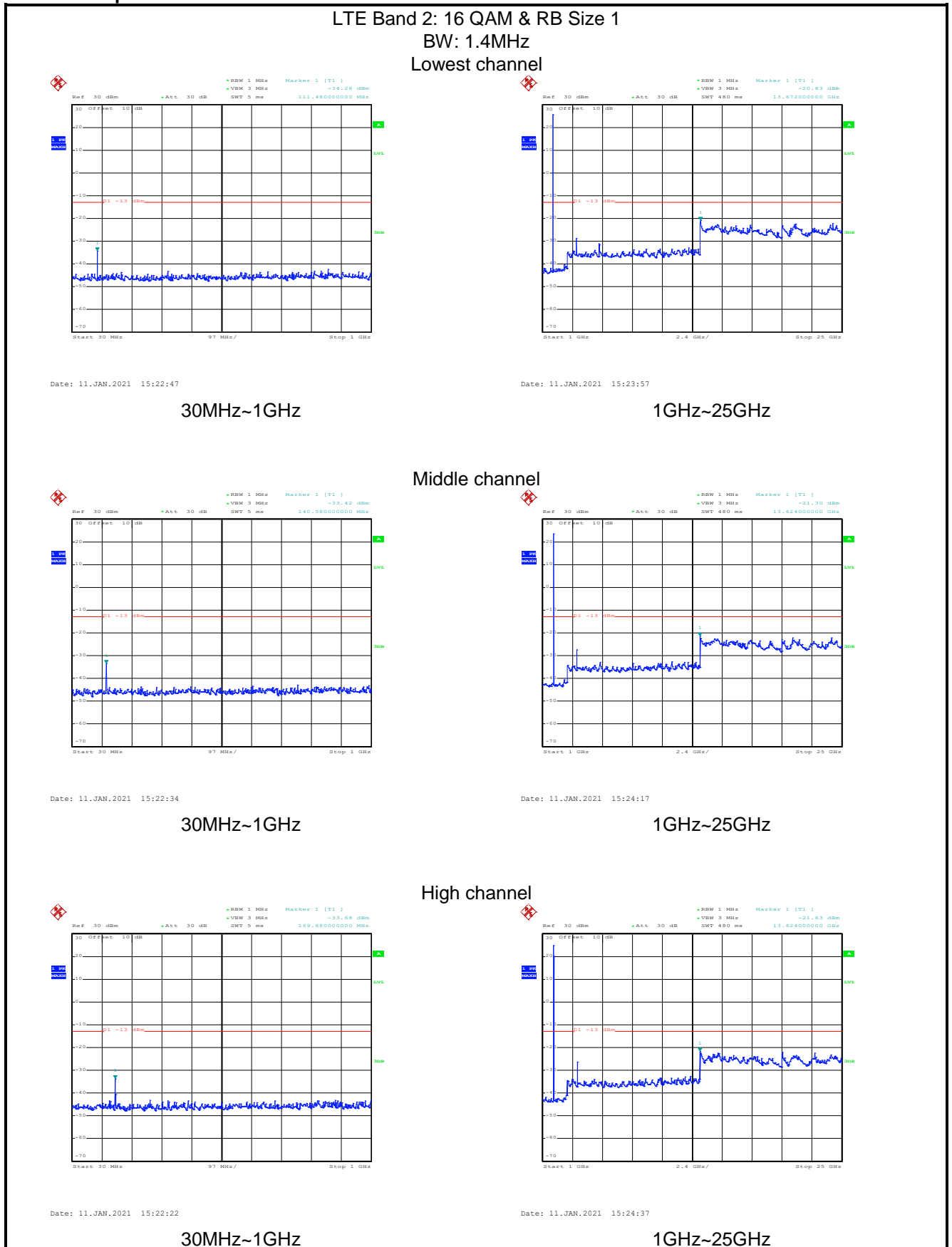
Date: 11.JAN.2021 16:12:19

### Highest channel

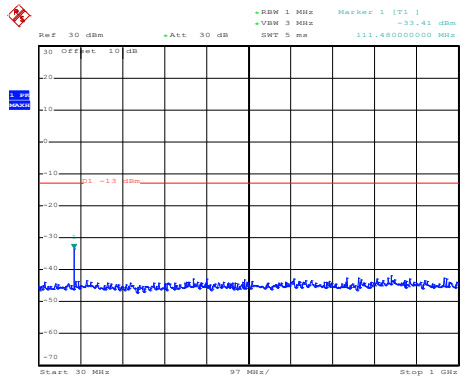
### 6.4 Out of band emission at antenna terminals

Test Requirement:	Part 22.917(a), Part 24.238 (a), part 27.53(g), part 27.53(h), Part 27.53(m)
Limit:	<p>LTE Band 2 &amp; 4 &amp; 5 &amp; 17: The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least <math>43 + 10 \log_{10}(P)</math> dB (-13 dBm).</p> <p>LTE Band 7 &amp; 38 &amp; 41: For mobile digital stations, the attenuation factor shall be not less than <math>40 + 10 \log (P)</math> dB on all frequencies between the channel edge and 5 megahertz from the channel edge, <math>43 + 10 \log (P)</math> dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and <math>55 + 10 \log (P)</math> 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. In addition, the attenuation factor shall not be less that <math>43 + 10 \log (P)</math> dB on all frequencies between 2490.5 MHz and 2496 MHz and <math>55 + 10 \log (P)</math> dB at or below 2490.5 MHz.</p>
Test Setup:	 <p>The diagram illustrates the test setup. On the left, there are two blue equipment units: a 'System simulator' on top and a 'Spectrum Analyzer' on the bottom. A cable connects the output of the System simulator to a 'Splitter'. The other output of the Splitter connects to an 'ATT' (attenuator). The output of the ATT connects to the 'EUT' (Equipment Under Test), which is represented by a black rectangular device.</p>
Test Procedure:	<ol style="list-style-type: none"> <li>1 The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation.</li> <li>2 For the out of band: For Band 5 &amp; 17 set the RBW=100 kHz, VBW=300 kHz and for Band 2 &amp; 4 &amp; 7 &amp; 38 &amp; 41 set the RBW=1 MHz, VBW=3 MHz when below 1 GHz, RBW =1 MHz, VBW=3 MHz when above 1 GHz, Start=30MHz, Stop= 10th harmonic.</li> <li>3 Band Edge Requirements: In the 1 MHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 1 percent of the emission bandwidth of the fundamental emission of the transmitter may be employed to measure the out of band Emissions.</li> </ol>
Test Instruments:	Refer to section 5.10 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed
Remark:	Pre-scan all RB Size and offset, and found the RB Size and offset of worst case, so the report shows only the worst case test data.

Test plots as follows (Conducted spurious emission) (worst case):  
**LTE Band 2 part:**

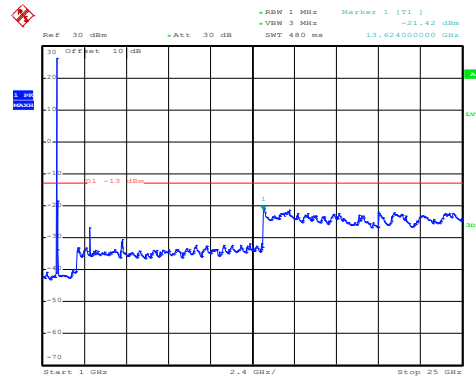


## LTE Band 2: QPSK & RB Size 1 BW: 1.4MHz Lowest channel



Date: 11.JAN.2021 15:22:43

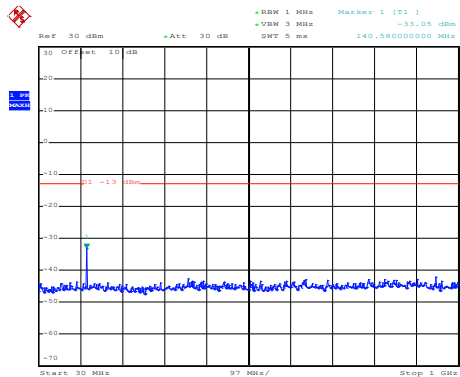
30MHz~1GHz



Date: 11.JAN.2021 15:23:28

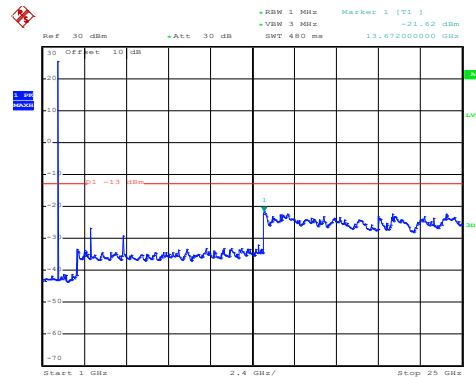
1GHz~25GHz

## Middle channel



Date: 11.JAN.2021 15:22:30

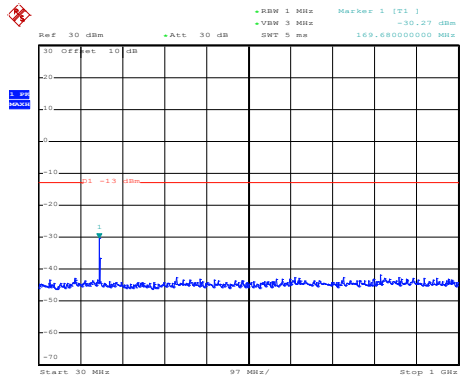
30MHz~1GHz



Date: 11.JAN.2021 15:24:08

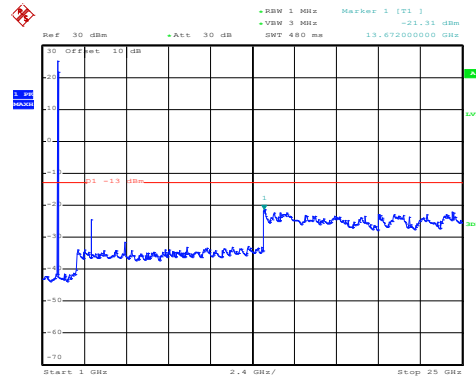
1GHz~25GHz

## High channel



Date: 11.JAN.2021 15:22:18

30MHz~1GHz

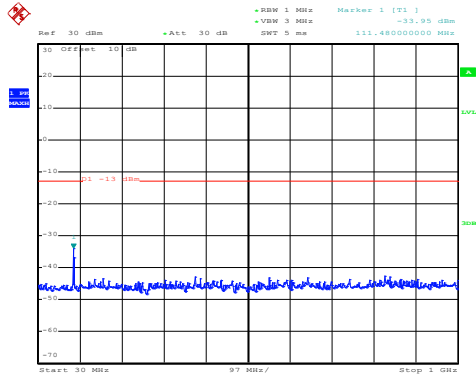


Date: 11.JAN.2021 15:24:31

1GHz~25GHz

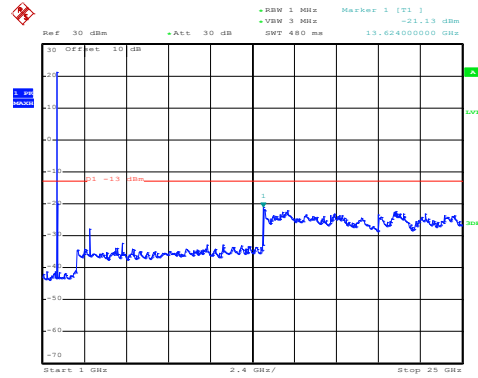


## LTE Band 2: 16 QAM & RB Size 1 BW: 20MHz Lowest channel



Date: 11.JAN.2021 15:29:16

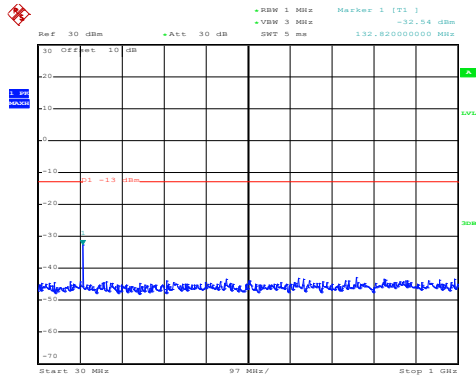
30MHz~1GHz



Date: 11.JAN.2021 15:28:57

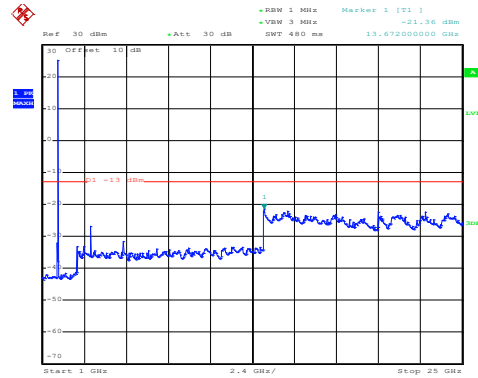
1GHz~25GHz

## Middle channel



Date: 11.JAN.2021 15:29:28

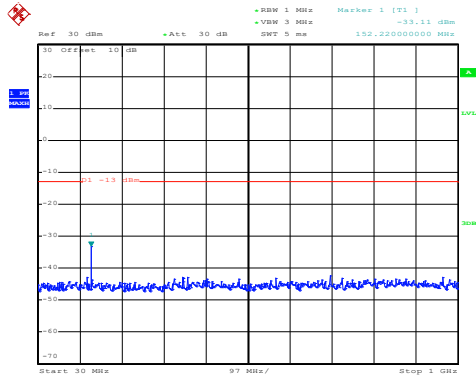
30MHz~1GHz



Date: 11.JAN.2021 15:28:34

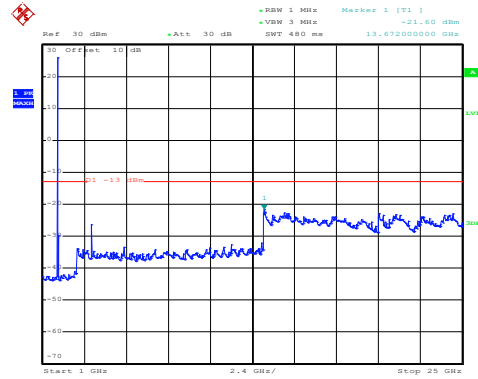
1GHz~25GHz

## High channel



Date: 11.JAN.2021 15:29:41

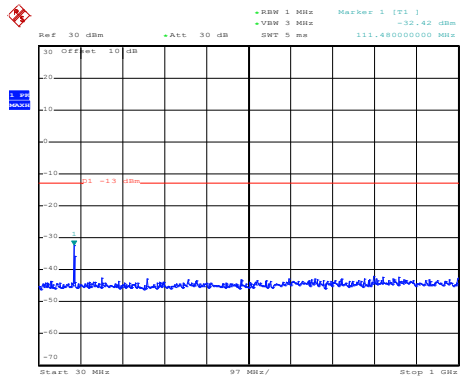
30MHz~1GHz



Date: 11.JAN.2021 15:28:16

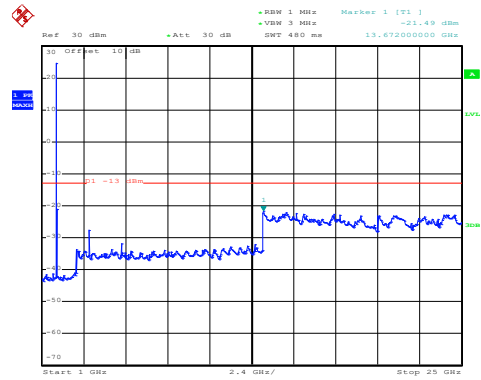
1GHz~25GHz

### LTE Band 2: QPSK & RB Size 1 BW: 20MHz Lowest channel



Date: 11.JAN.2021 15:29:11

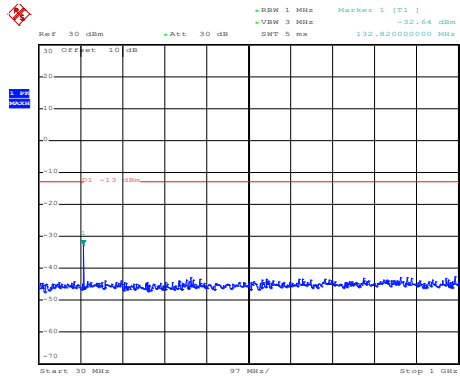
30MHz~1GHz



Date: 11.JAN.2021 15:28:49

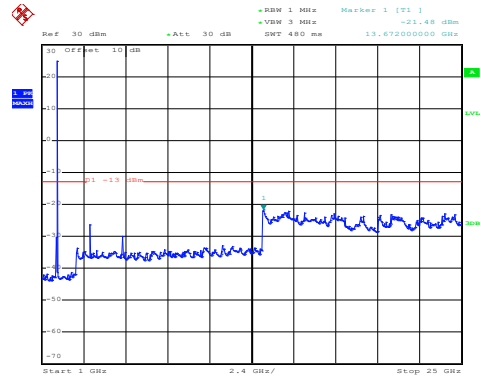
1GHz~25GHz

### Middle channel



Date: 11.JAN.2021 15:29:23

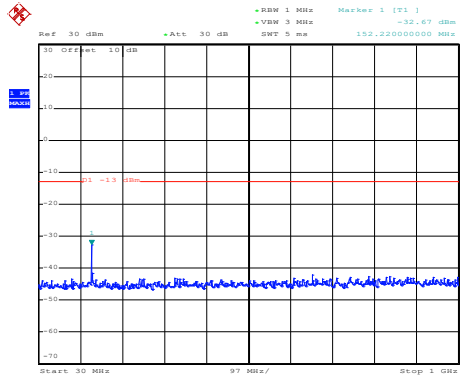
30MHz~1GHz



Date: 11.JAN.2021 15:28:26

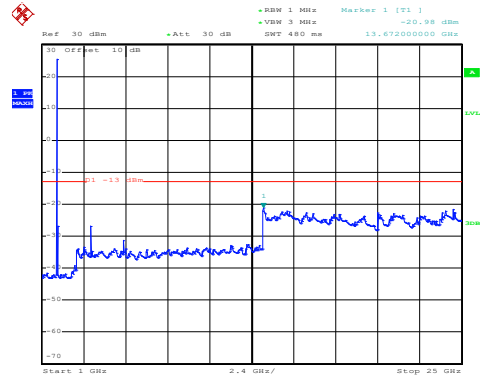
1GHz~25GHz

### High channel



Date: 11.JAN.2021 15:29:36

30MHz~1GHz

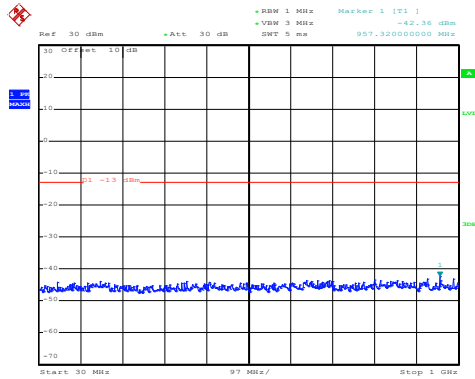


Date: 11.JAN.2021 15:28:10

1GHz~25GHz

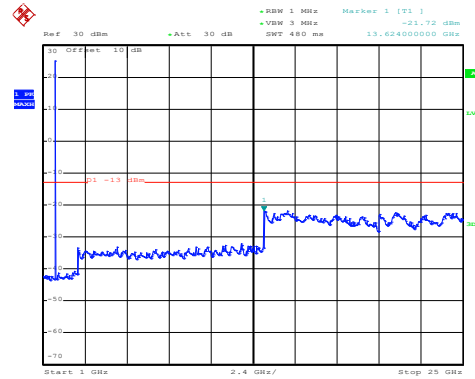
LTE Band 4 part:

LTE Band 4: 16 QAM & RB Size 1  
 BW: 1.4MHz  
 Lowest channel



Date: 11.JAN.2021 15:21:37

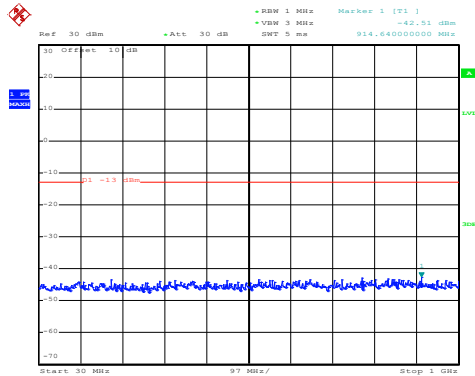
30MHz~1GHz



Date: 11.JAN.2021 15:25:42

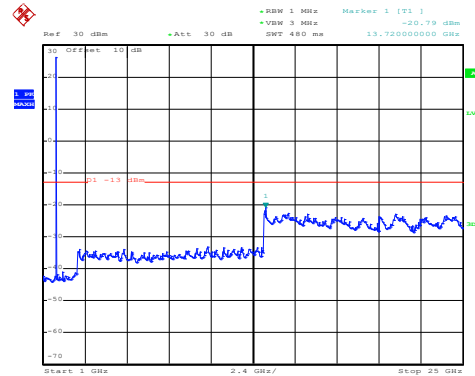
1GHz~25GHz

Middle channel



Date: 11.JAN.2021 15:21:48

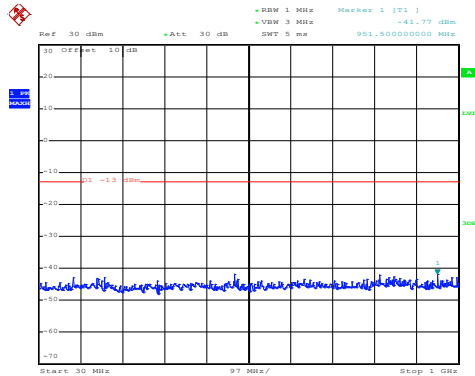
30MHz~1GHz



Date: 11.JAN.2021 15:25:16

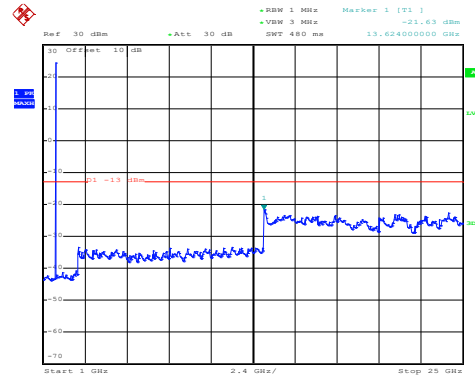
1GHz~25GHz

High channel



Date: 11.JAN.2021 15:22:08

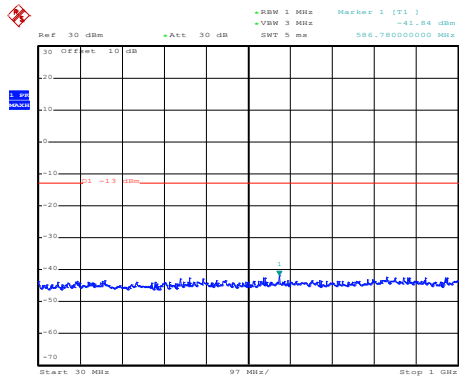
30MHz~1GHz



Date: 11.JAN.2021 15:25:00

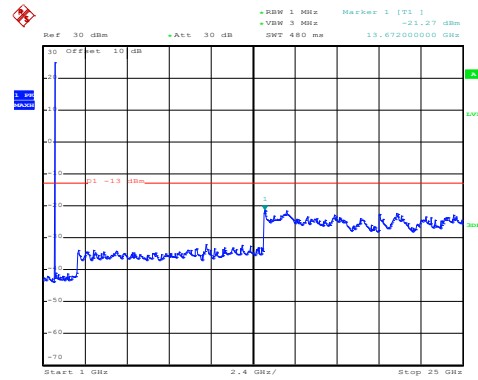
1GHz~25GHz

### LTE Band 4: QPSK & RB Size 1 BW: 1.4MHz Lowest channel



Date: 11.JAN.2021 15:21:32

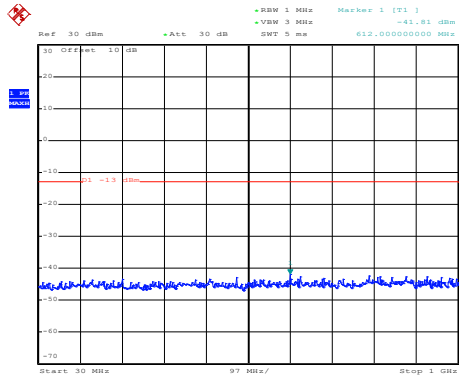
30MHz~1GHz



Date: 11.JAN.2021 15:25:27

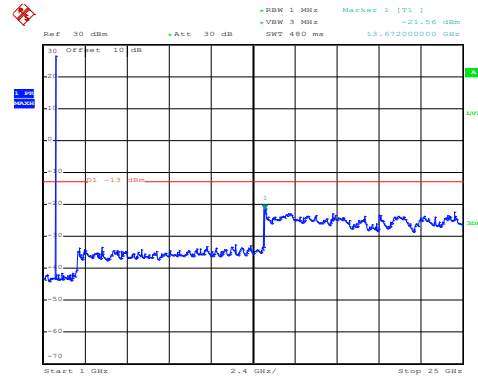
1GHz~25GHz

### Middle channel



Date: 11.JAN.2021 15:21:44

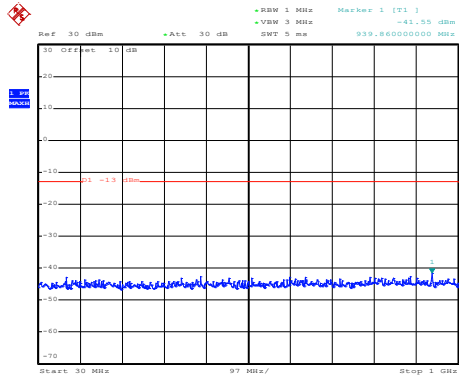
30MHz~1GHz



Date: 11.JAN.2021 15:25:10

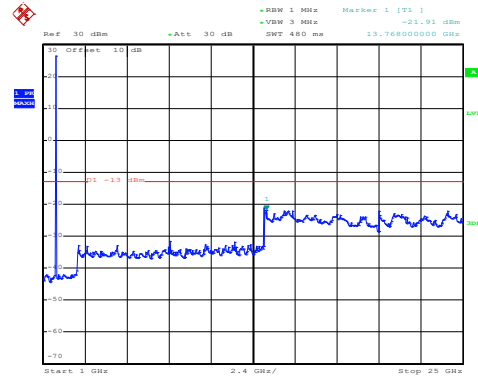
1GHz~25GHz

### High channel



Date: 11.JAN.2021 15:22:03

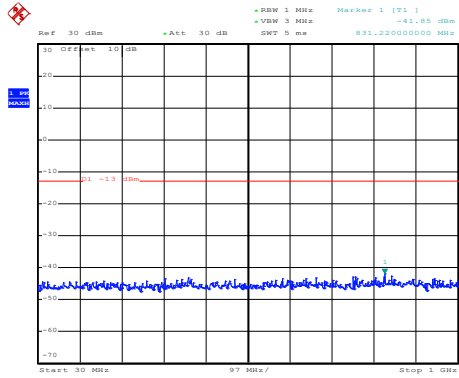
30MHz~1GHz



Date: 11.JAN.2021 15:24:54

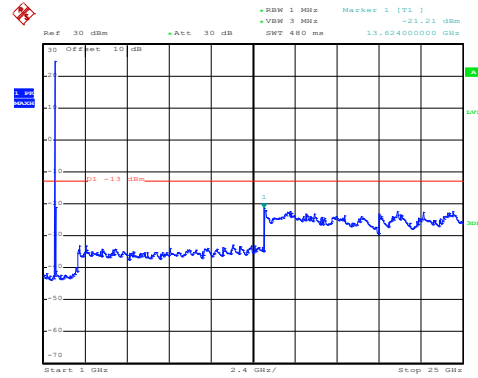
1GHz~25GHz

## LTE Band 4: 16 QAM & RB Size 1 BW: 20MHz Lowest channel



Date: 11.JAN.2021 15:30:43

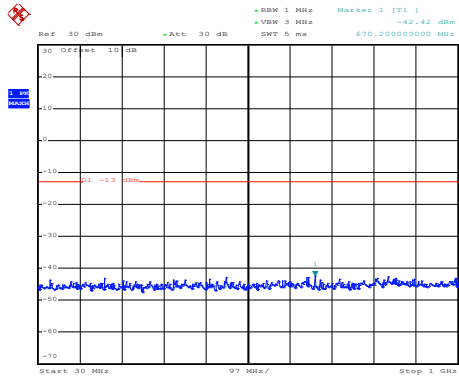
30MHz~1GHz



Date: 11.JAN.2021 15:27:19

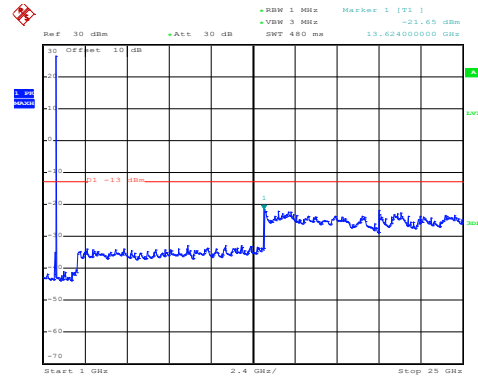
1GHz~25GHz

## Middle channel



Date: 11.JAN.2021 15:30:25

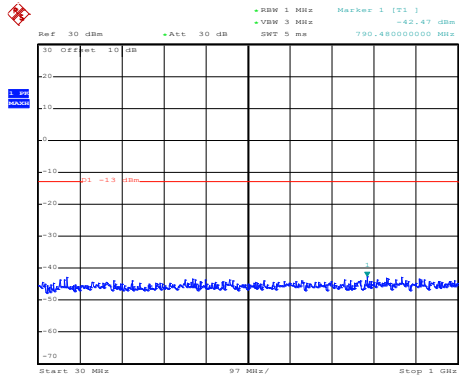
30MHz~1GHz



Date: 11.JAN.2021 15:27:36

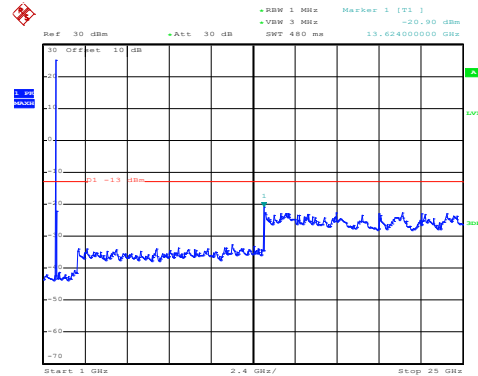
1GHz~25GHz

## High channel



Date: 11.JAN.2021 15:30:11

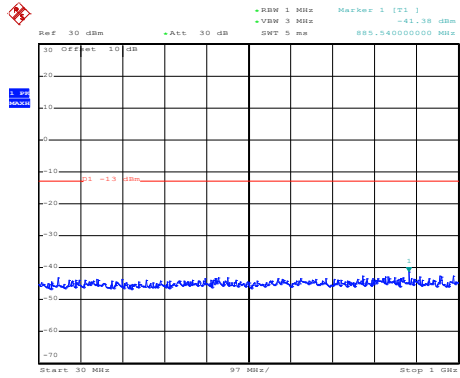
30MHz~1GHz



Date: 11.JAN.2021 15:27:55

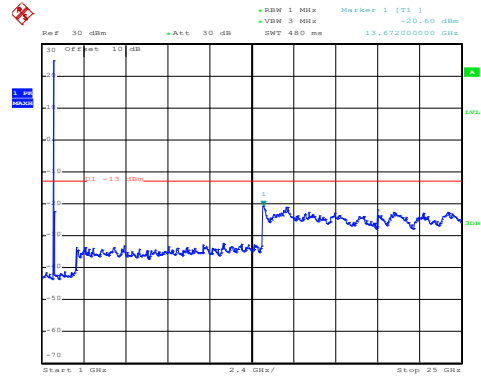
1GHz~25GHz

## LTE Band 4: QPSK & RB Size 1 BW: 20MHz Lowest channel



Date: 11.JAN.2021 15:30:38

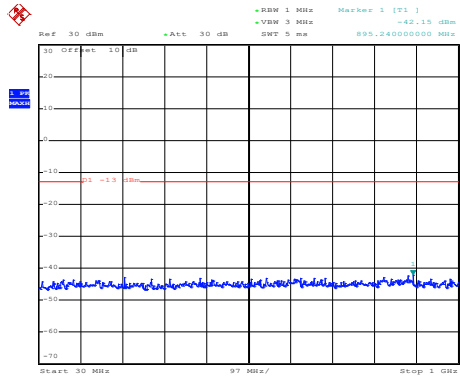
30MHz~1GHz



Date: 11.JAN.2021 15:27:10

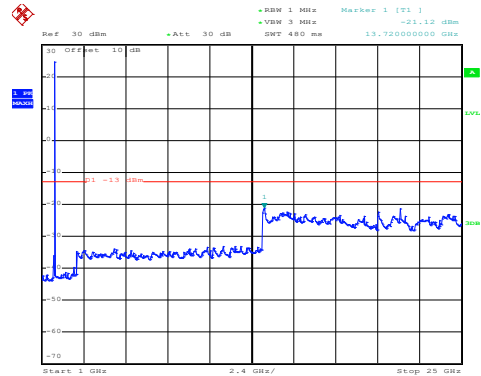
1GHz~25GHz

## Middle channel



Date: 11.JAN.2021 15:30:19

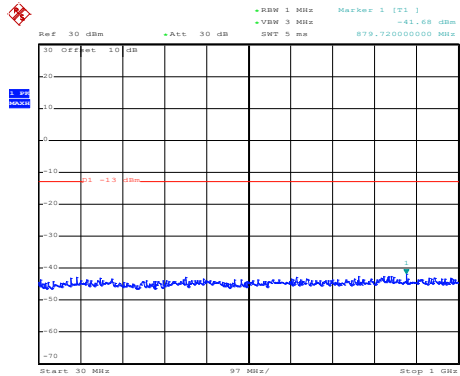
30MHz~1GHz



Date: 11.JAN.2021 15:27:28

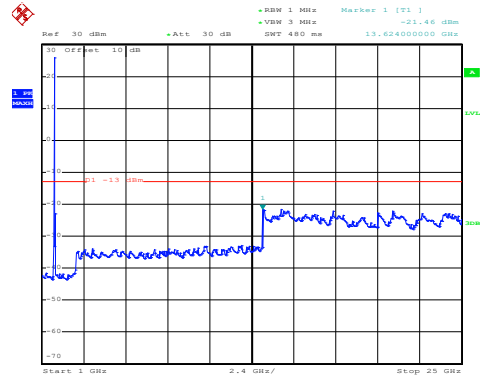
1GHz~25GHz

## High channel



Date: 11.JAN.2021 15:30:05

30MHz~1GHz

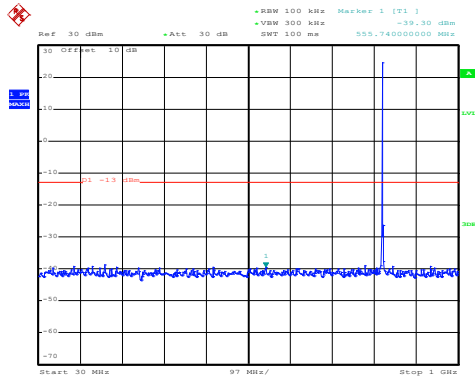


Date: 11.JAN.2021 15:27:49

1GHz~25GHz

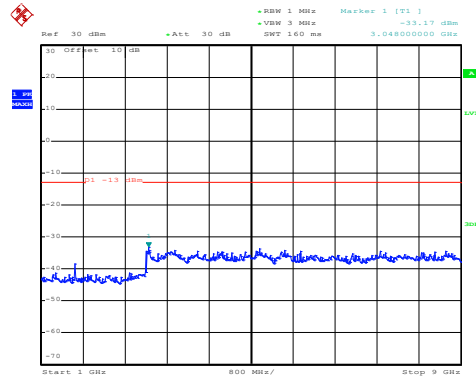
LTE Band 5 part:

LTE Band 5: 16 QAM & RB Size 1  
 BW: 1.4MHz  
 Lowest channel



Date: 11.JAN.2021 15:21:01

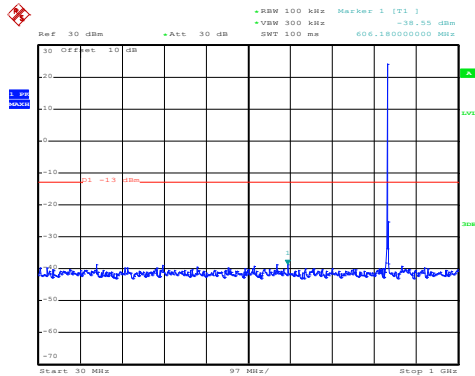
30MHz~1GHz



Date: 11.JAN.2021 15:19:19

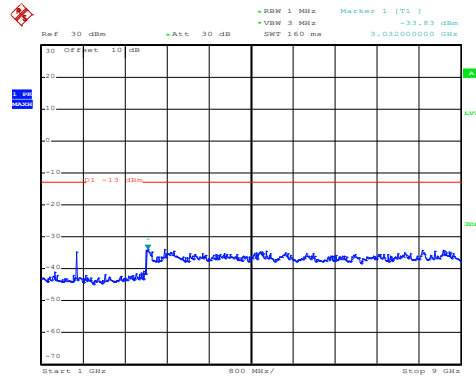
1GHz~9GHz

Middle channel



Date: 11.JAN.2021 15:20:42

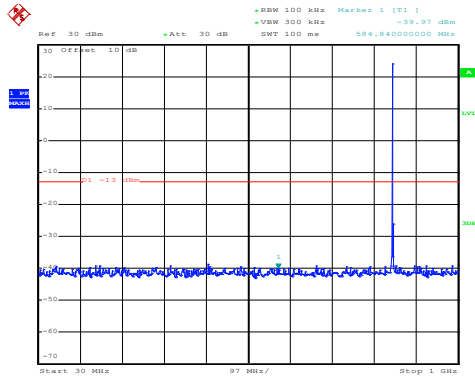
30MHz~1GHz



Date: 11.JAN.2021 15:19:31

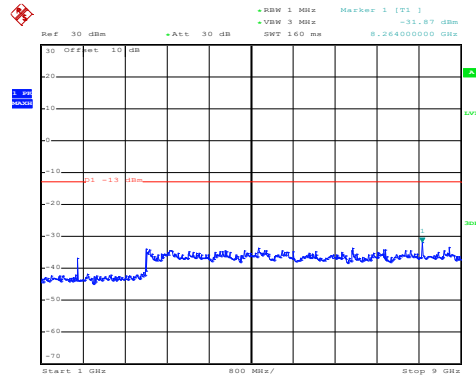
1GHz~9GHz

High channel



Date: 11.JAN.2021 15:20:22

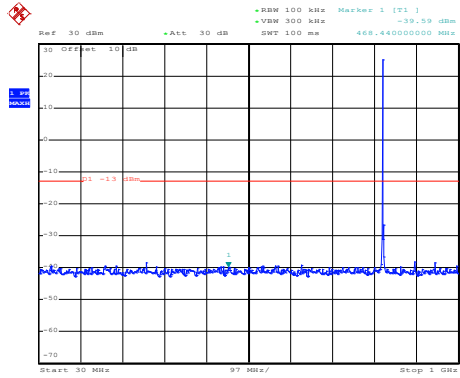
30MHz~1GHz



Date: 11.JAN.2021 15:19:47

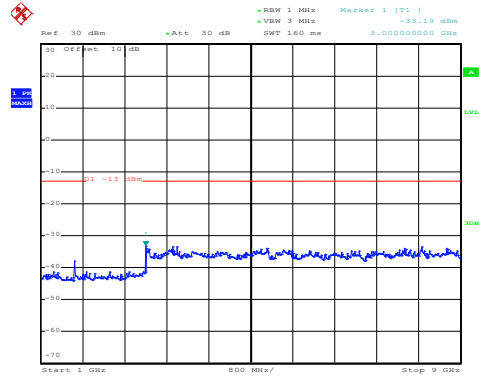
1GHz~9GHz

## LTE Band 5: QPSK & RB Size 1 BW: 1.4MHz Lowest channel



Date: 11.JAN.2021 15:20:53

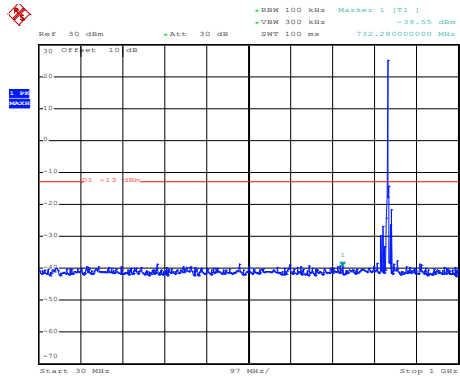
30MHz~1GHz



Date: 11.JAN.2021 15:19:13

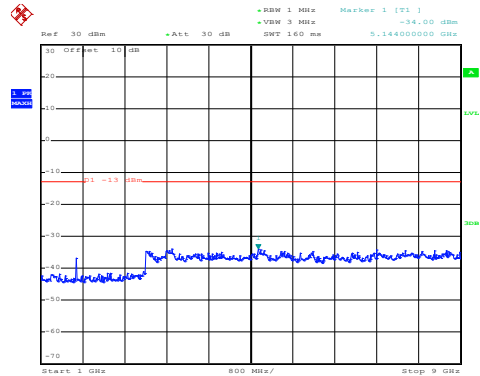
1GHz~9GHz

## Middle channel



Date: 11.JAN.2021 15:20:34

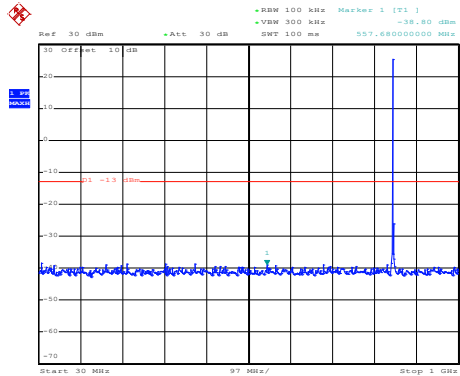
30MHz~1GHz



Date: 11.JAN.2021 15:19:25

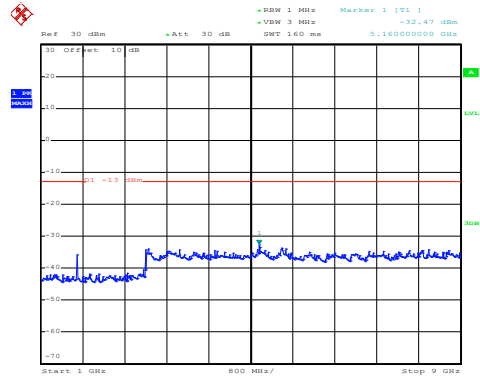
1GHz~9GHz

## High channel



Date: 11.JAN.2021 15:20:13

30MHz~1GHz

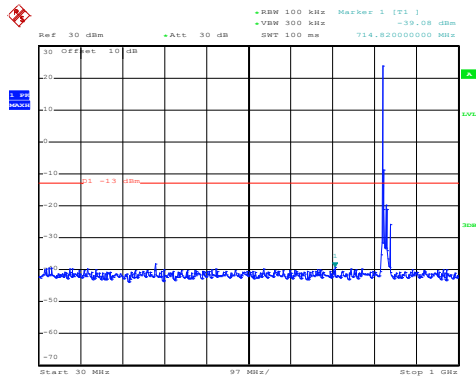


Date: 11.JAN.2021 15:19:41

1GHz~9GHz

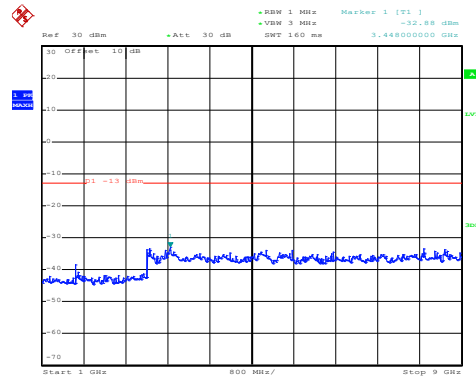


### LTE Band 5: 16 QAM & RB Size 1 BW: 10MHz Lowest channel



Date: 11.JAN.2021 15:17:50

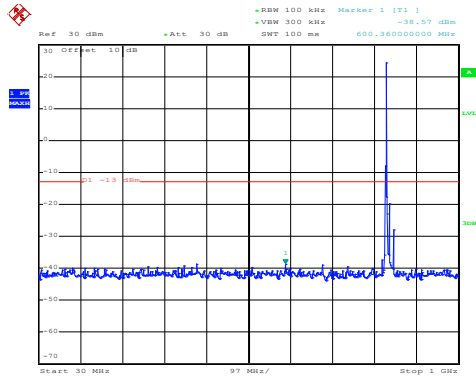
30MHz~1GHz



Date: 11.JAN.2021 15:18:15

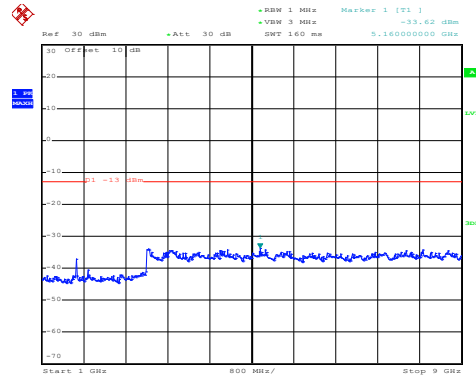
1GHz~9GHz

### Middle channel



Date: 11.JAN.2021 15:17:31

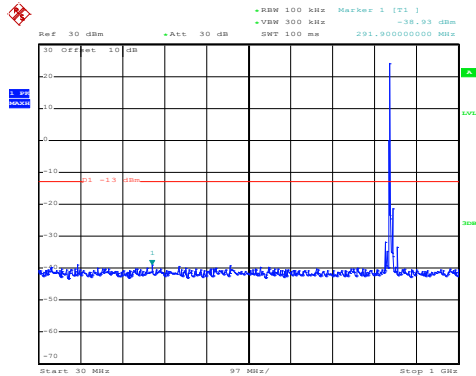
30MHz~1GHz



Date: 11.JAN.2021 15:18:29

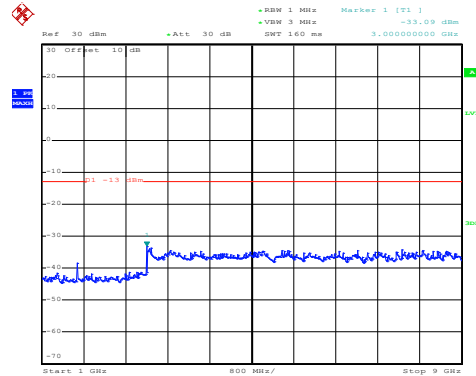
1GHz~9GHz

### High channel



Date: 11.JAN.2021 15:17:13

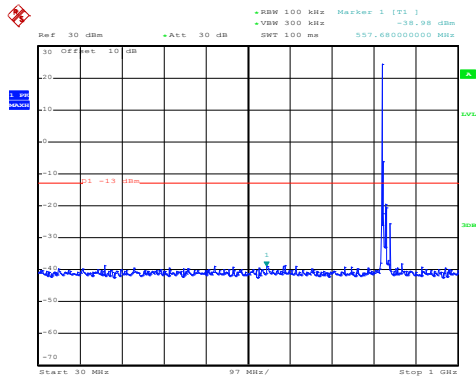
30MHz~1GHz



Date: 11.JAN.2021 15:18:43

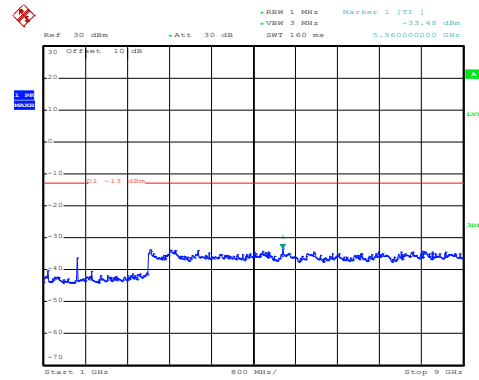
1GHz~9GHz

### LTE Band 5: QPSK & RB Size 1 BW: 10MHz Lowest channel



Date: 11.JAN.2021 15:17:43

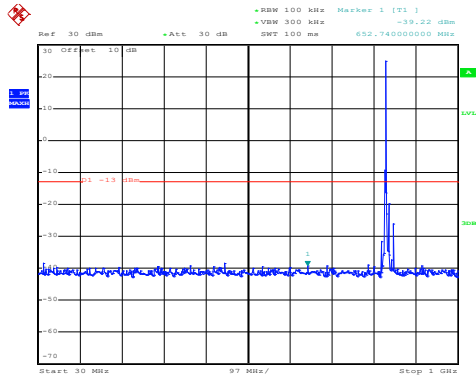
30MHz~1GHz



Date: 11.JAN.2021 15:18:10

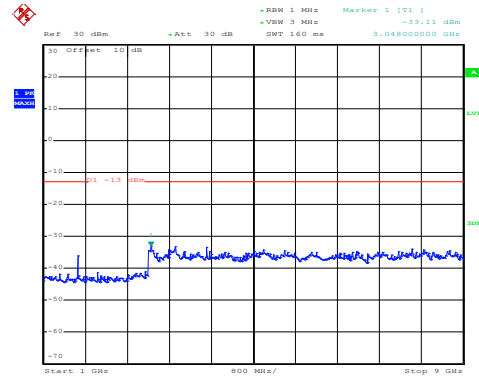
1GHz~9GHz

### Middle channel



Date: 11.JAN.2021 15:17:25

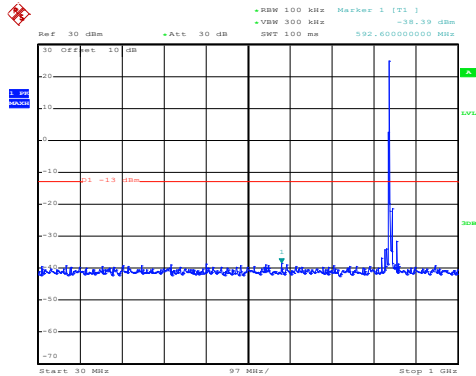
30MHz~1GHz



Date: 11.JAN.2021 15:18:22

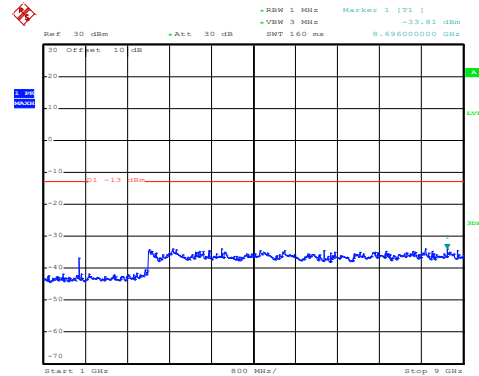
1GHz~9GHz

### High channel



Date: 11.JAN.2021 15:17:05

30MHz~1GHz

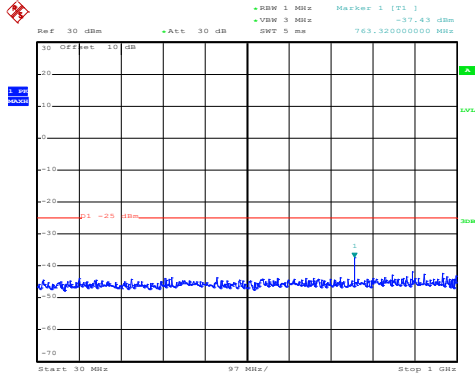


Date: 11.JAN.2021 15:18:37

1GHz~9GHz

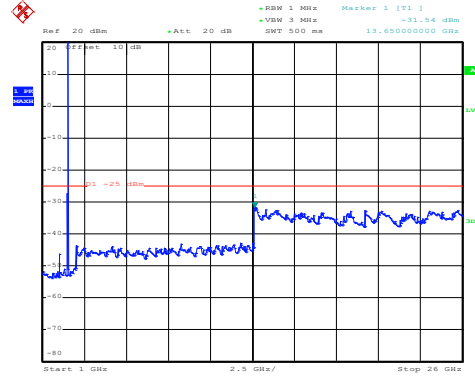
LTE Band 7 part:

LTE Band 7: 16 QAM & RB Size 1  
 BW: 5MHz  
 Lowest channel



Date: 11.JAN.2021 15:09:35

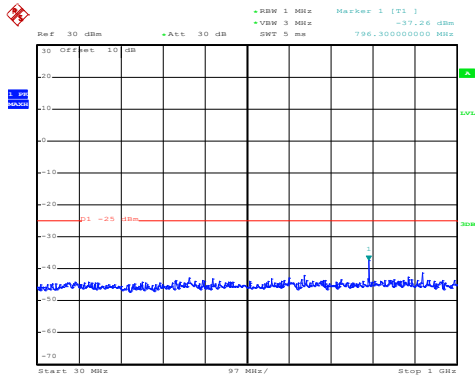
30MHz~1GHz



Date: 11.JAN.2021 15:09:18

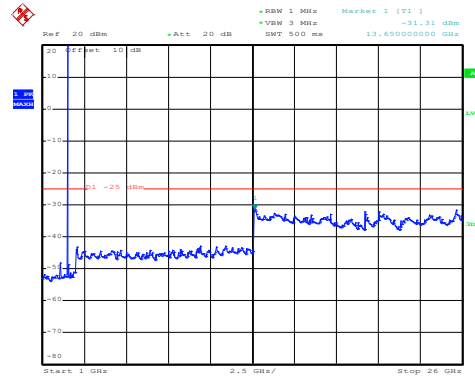
1GHz~26GHz

Middle channel



Date: 11.JAN.2021 15:09:47

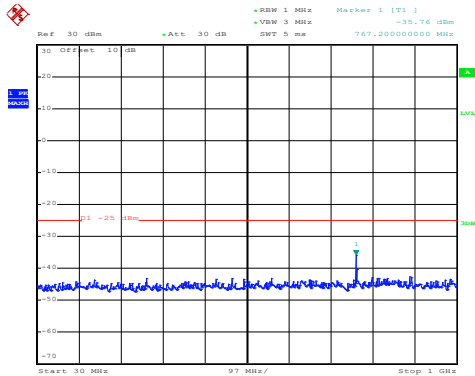
30MHz~1GHz



Date: 11.JAN.2021 15:08:59

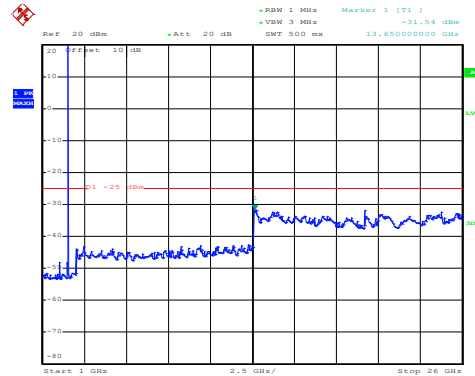
1GHz~26GHz

High channel



Date: 11.JAN.2021 15:10:02

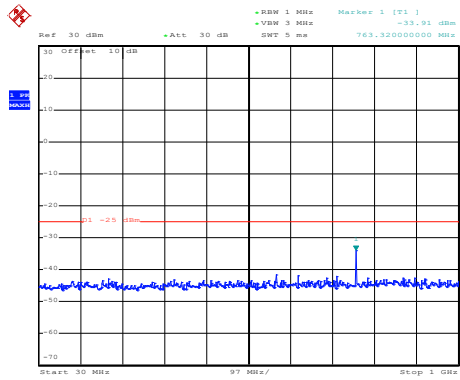
30MHz~1GHz



Date: 11.JAN.2021 15:08:36

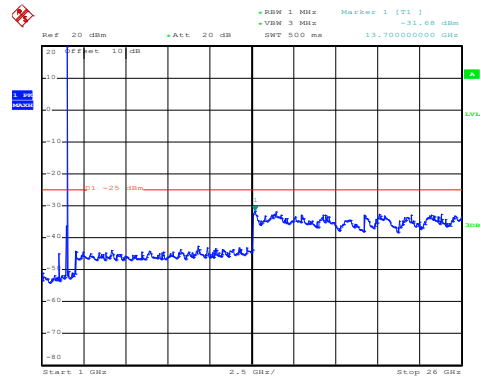
1GHz~26GHz

### LTE Band 7: QPSK & RB Size 1 BW: 5MHz Lowest channel



Date: 11.JAN.2021 15:09:31

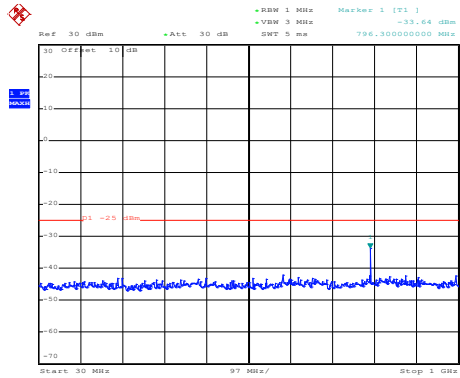
30MHz~1GHz



Date: 11.JAN.2021 15:09:09

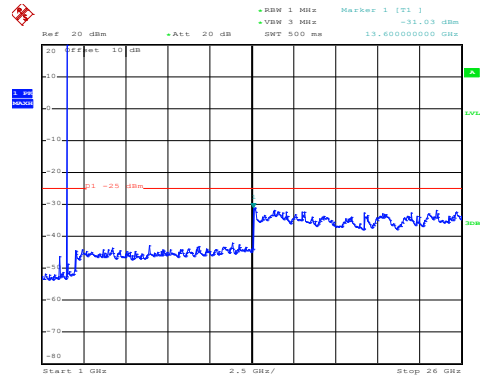
1GHz~26GHz

### Middle channel



Date: 11.JAN.2021 15:09:42

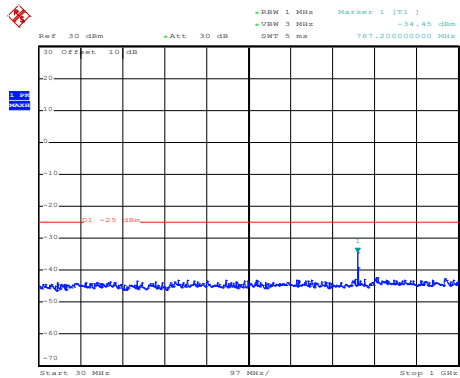
30MHz~1GHz



Date: 11.JAN.2021 15:08:51

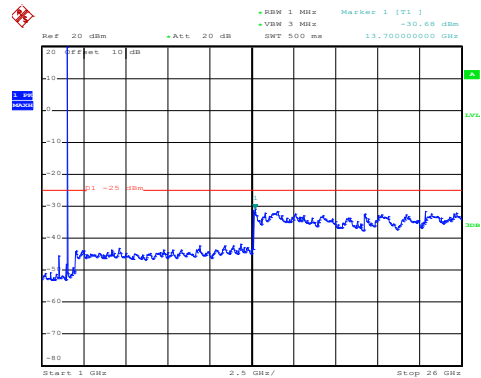
1GHz~26GHz

### High channel



Date: 11.JAN.2021 15:09:58

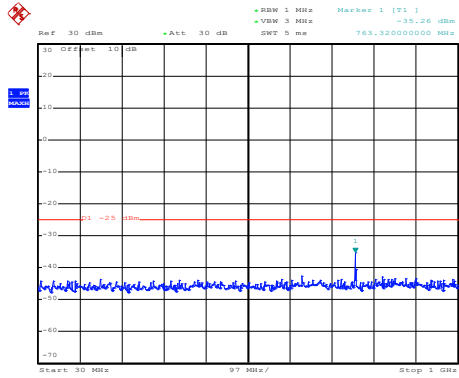
30MHz~1GHz



Date: 11.JAN.2021 15:08:29

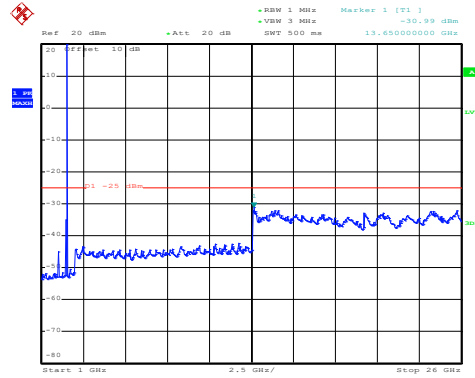
1GHz~26GHz

## LTE Band 7: 16 QAM & RB Size 1 BW: 20MHz Lowest channel



Date: 11.JAN.2021 15:01:31

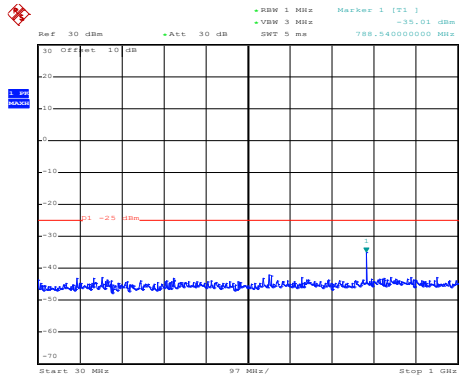
30MHz~1GHz



Date: 11.JAN.2021 15:01:59

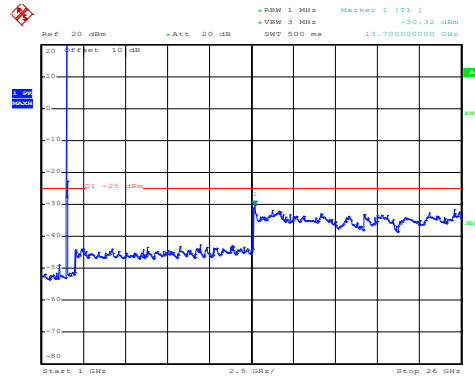
1GHz~26GHz

## Middle channel



Date: 11.JAN.2021 15:01:19

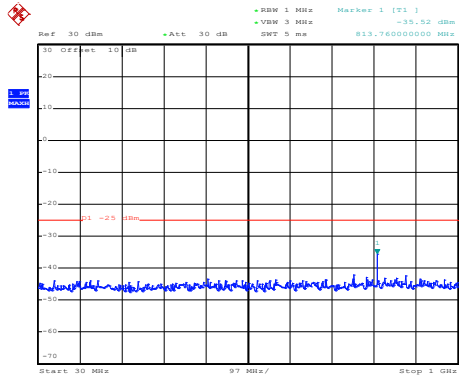
30MHz~1GHz



Date: 11.JAN.2021 15:02:18

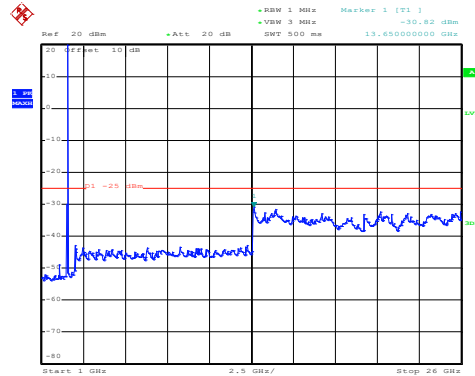
1GHz~26GHz

## High channel



Date: 11.JAN.2021 15:01:04

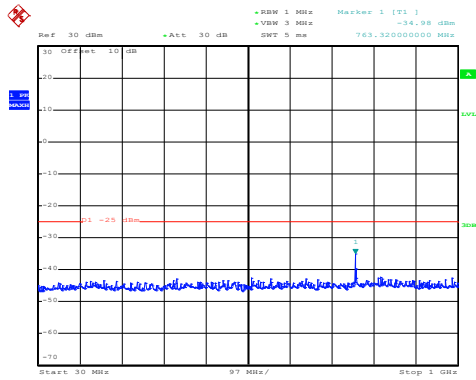
30MHz~1GHz



Date: 11.JAN.2021 15:02:36

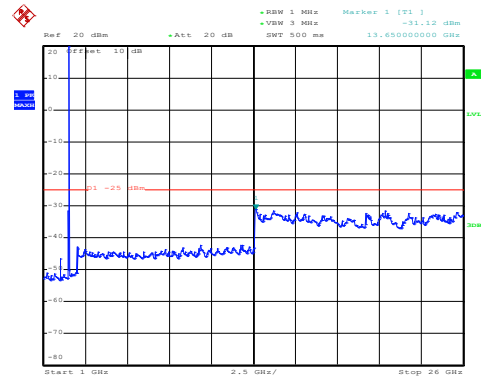
1GHz~26GHz

### LTE Band 7: QPSK & RB Size 1 BW: 20MHz Lowest channel



Date: 11.JAN.2021 15:01:27

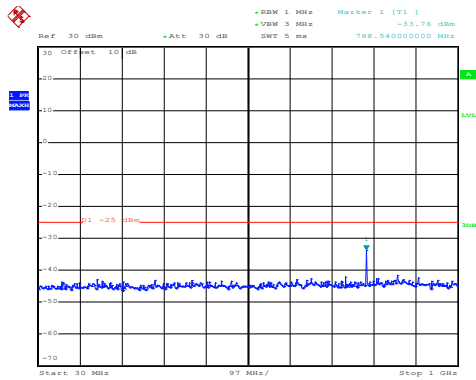
30MHz~1GHz



Date: 11.JAN.2021 15:01:50

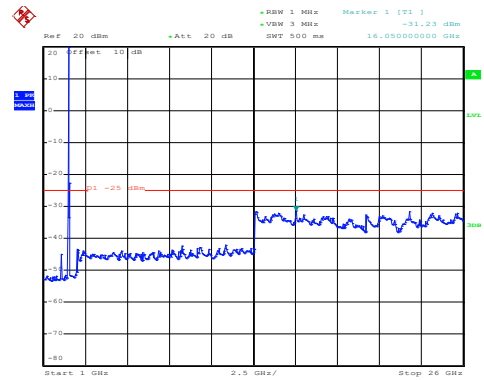
1GHz~26GHz

### Middle channel



Date: 11.JAN.2021 15:01:14

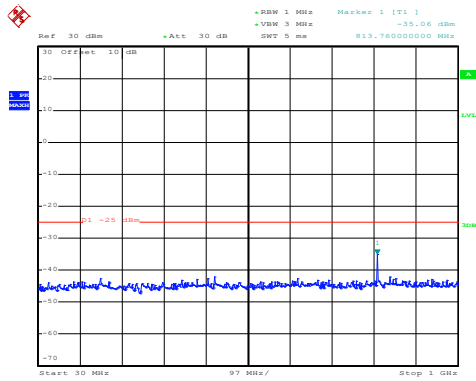
30MHz~1GHz



Date: 11.JAN.2021 15:02:10

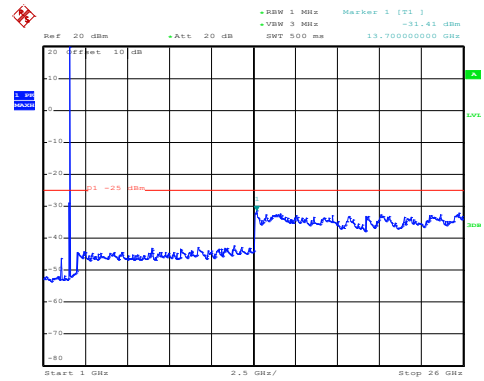
1GHz~26GHz

### High channel



Date: 11.JAN.2021 15:01:00

30MHz~1GHz

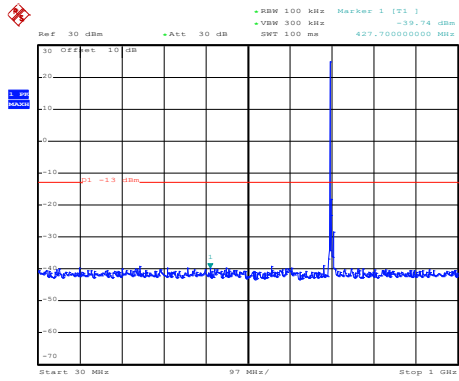


Date: 11.JAN.2021 15:02:30

1GHz~26GHz

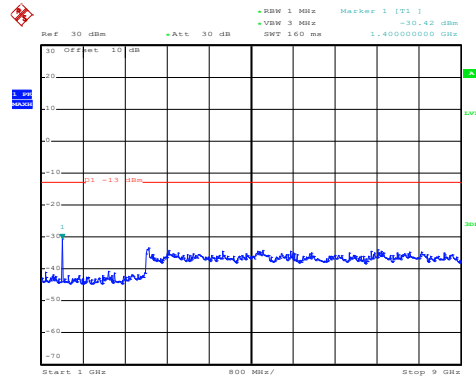
LTE Band 17 part:

LTE Band 17: 16 QAM & RB Size 1  
 BW: 5MHz  
 Lowest channel



Date: 11.JAN.2021 15:12:59

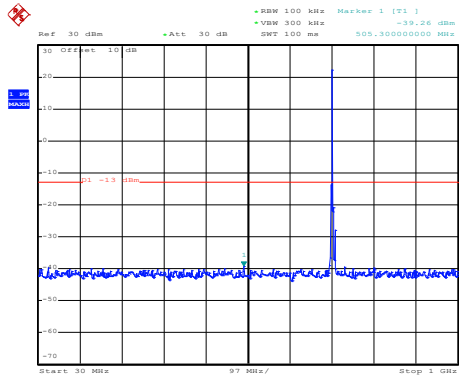
30MHz~1GHz



Date: 11.JAN.2021 15:14:22

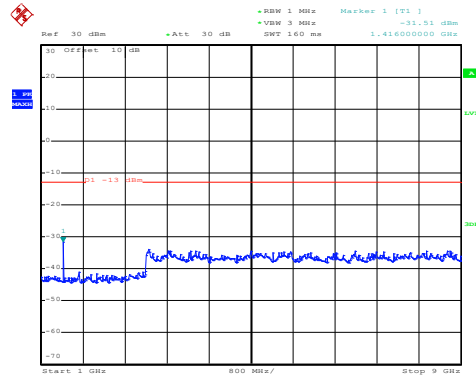
1GHz~9GHz

Middle channel



Date: 11.JAN.2021 15:13:18

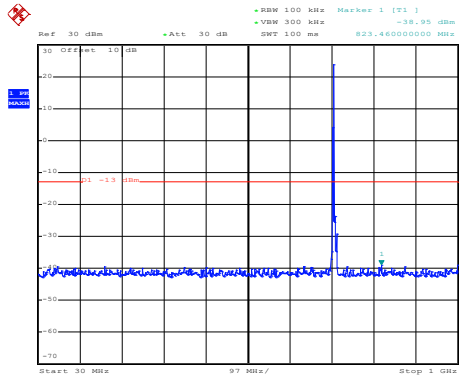
30MHz~1GHz



Date: 11.JAN.2021 15:14:10

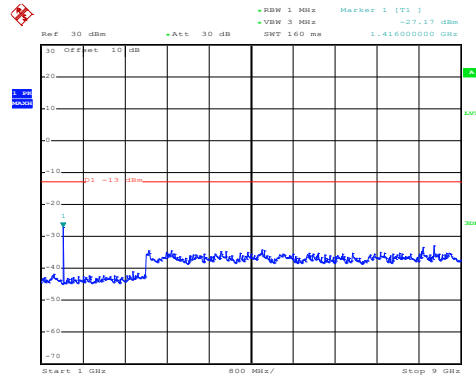
1GHz~9GHz

High channel



Date: 11.JAN.2021 15:13:36

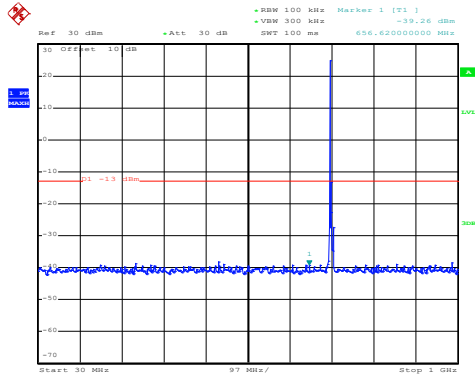
30MHz~1GHz



Date: 11.JAN.2021 15:13:55

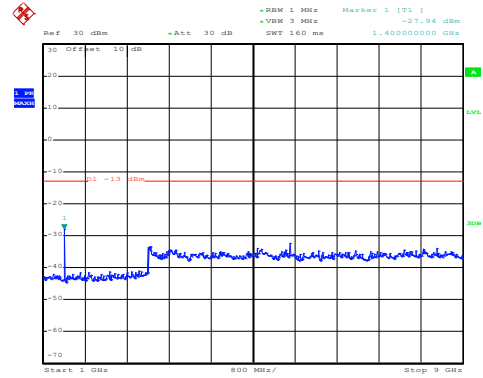
1GHz~9GHz

## LTE Band 17: QPSK & RB Size 1 BW: 5MHz Lowest channel



Date: 11.JAN.2021 15:12:38

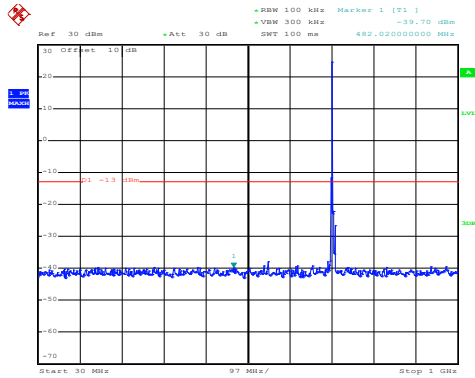
30MHz~1GHz



Date: 11.JAN.2021 15:14:17

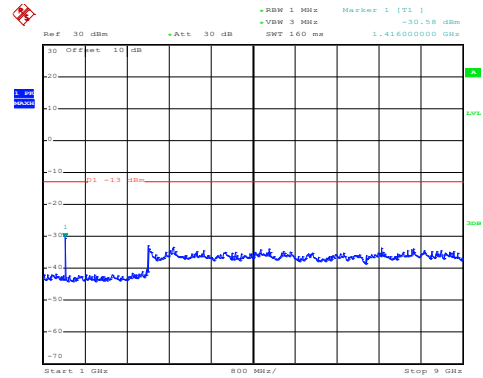
1GHz~9GHz

## Middle channel



Date: 11.JAN.2021 15:13:12

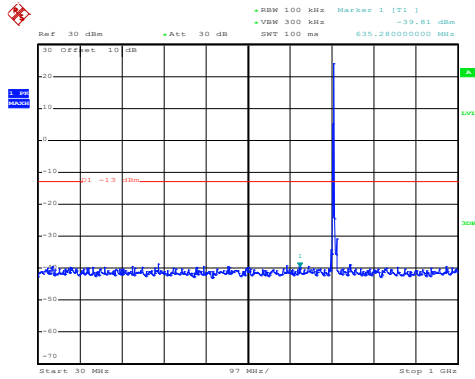
30MHz~1GHz



Date: 11.JAN.2021 15:14:04

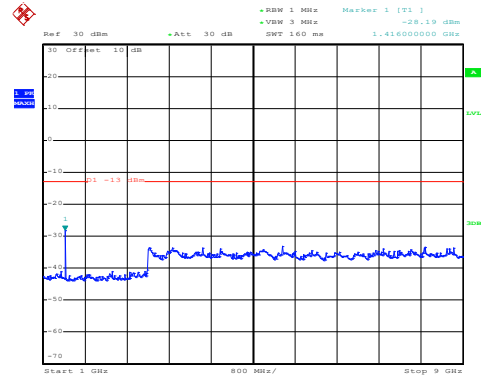
1GHz~9GHz

## High channel



Date: 11.JAN.2021 15:13:29

30MHz~1GHz

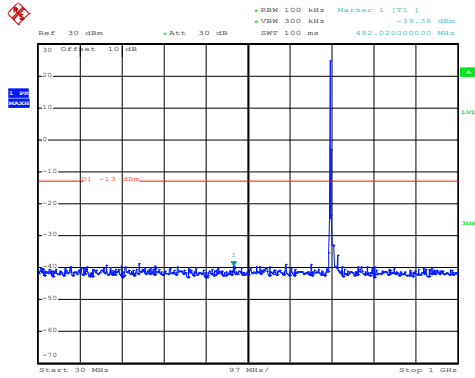


Date: 11.JAN.2021 15:13:51

1GHz~9GHz

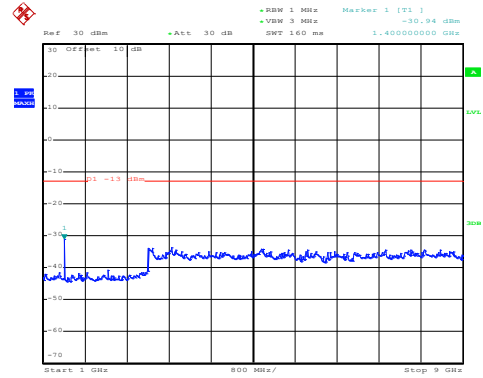


### LTE Band 17: 16 QAM & RB Size 1 BW: 10MHz Lowest channel



Date: 11.JAN.2021 15:16:39

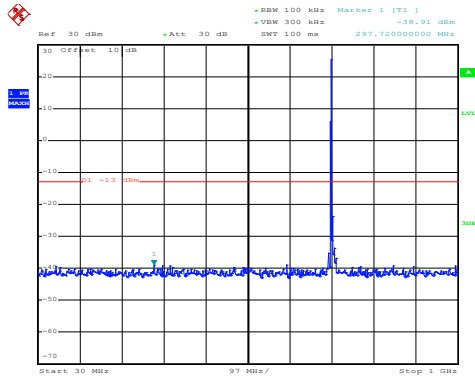
30MHz~1GHz



Date: 11.JAN.2021 15:14:51

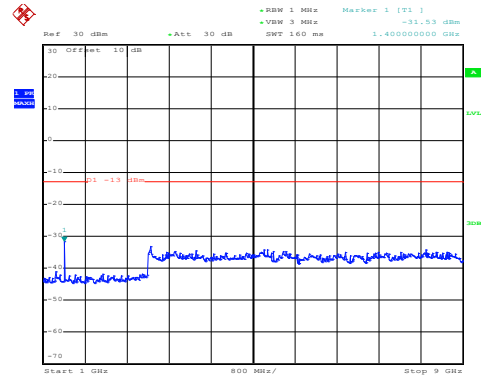
1GHz~9GHz

### Middle channel



Date: 11.JAN.2021 15:16:19

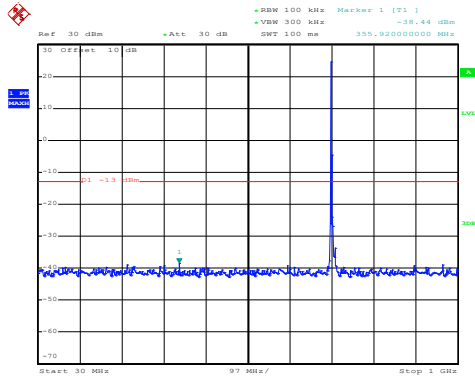
30MHz~1GHz



Date: 11.JAN.2021 15:15:05

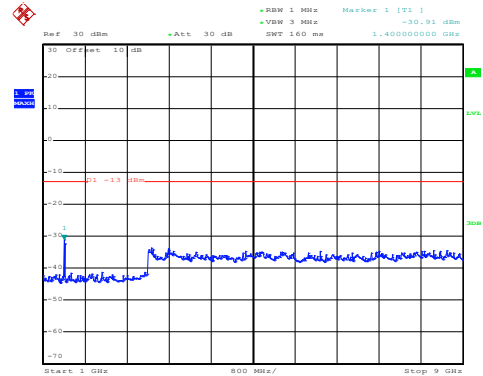
1GHz~9GHz

### High channel



Date: 11.JAN.2021 15:15:58

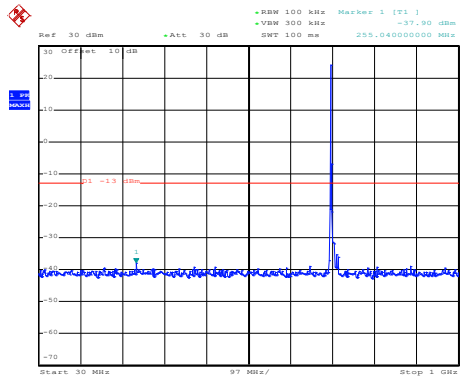
30MHz~1GHz



Date: 11.JAN.2021 15:15:29

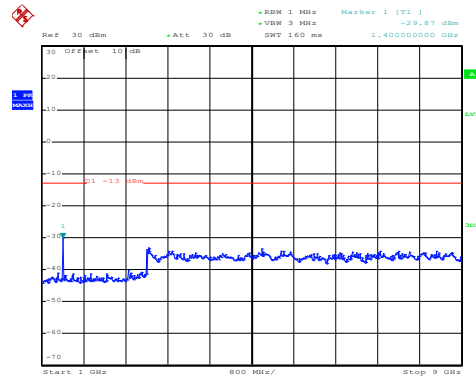
1GHz~9GHz

## LTE Band 17: QPSK & RB Size 1 BW: 10MHz Lowest channel



Date: 11.JAN.2021 15:16:31

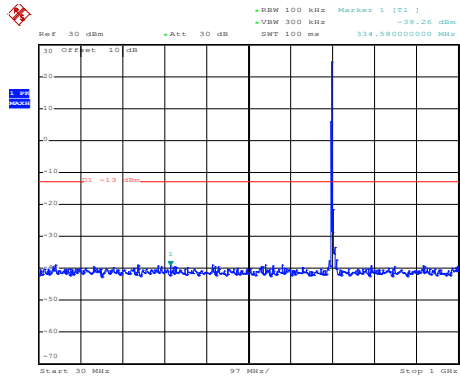
30MHz~1GHz



Date: 11.JAN.2021 15:14:44

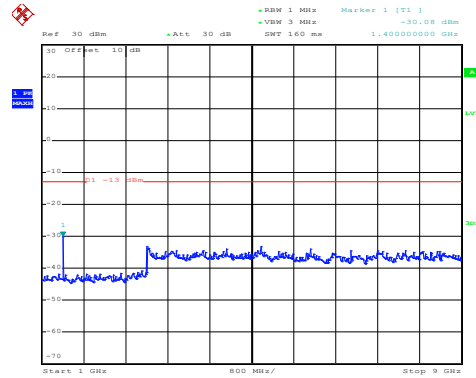
1GHz~9GHz

## Middle channel



Date: 11.JAN.2021 15:16:11

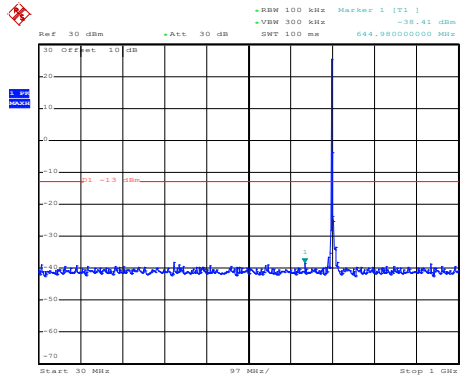
30MHz~1GHz



Date: 11.JAN.2021 15:15:00

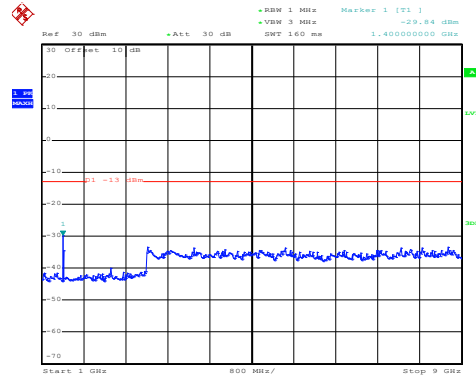
1GHz~9GHz

## High channel



Date: 11.JAN.2021 15:15:50

30MHz~1GHz



Date: 11.JAN.2021 15:15:22

1GHz~9GHz