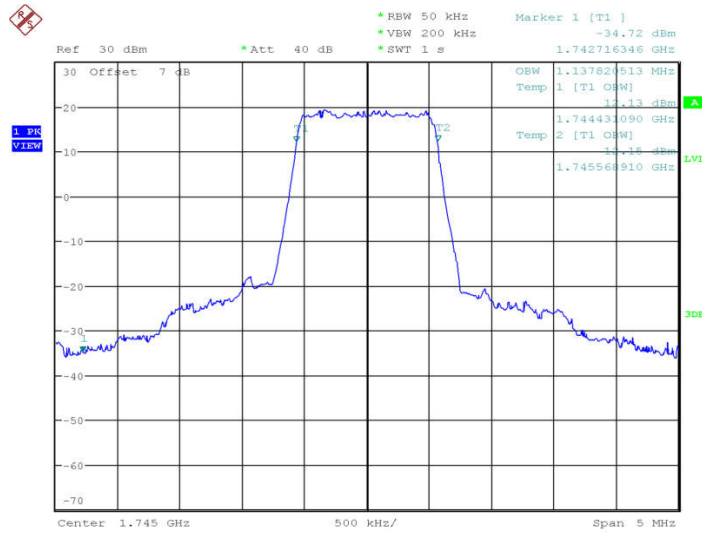


## LTE band 66, 1.4MHz (99%)

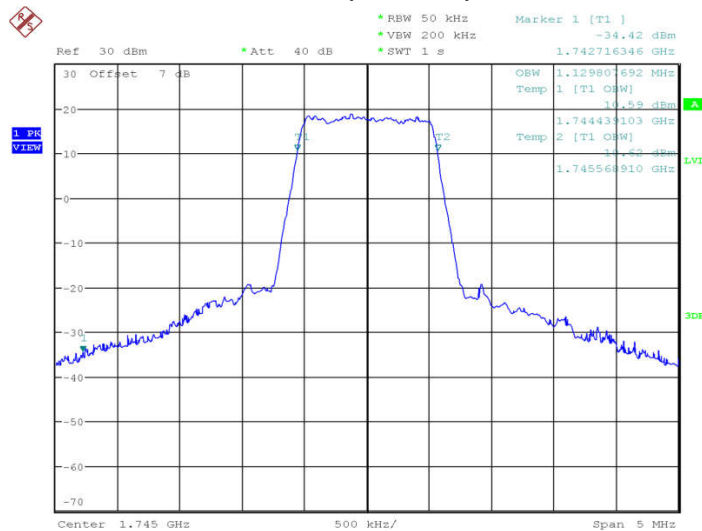
Frequency(MHz)	Occupied Bandwidth (99%)( MHz)	
1745.0	QPSK	16QAM
	1.138	1.130

## LTE band 66, 1.4MHz Bandwidth, QPSK (99% BW)



IF Overload  
 Date: 1.JAN.2003 06:26:10

## LTE band 66, 1.4MHz Bandwidth, 16QAM (99% BW)

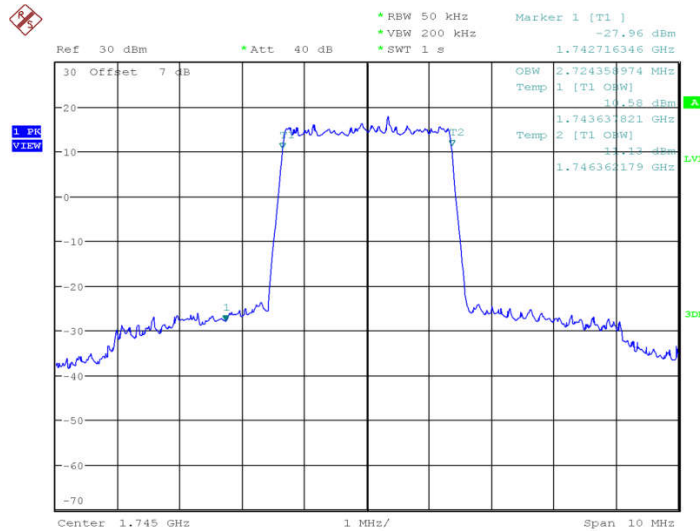


IF Overload  
 Date: 1.JAN.2003 06:26:57

## LTE band 66, 3MHz (99%)

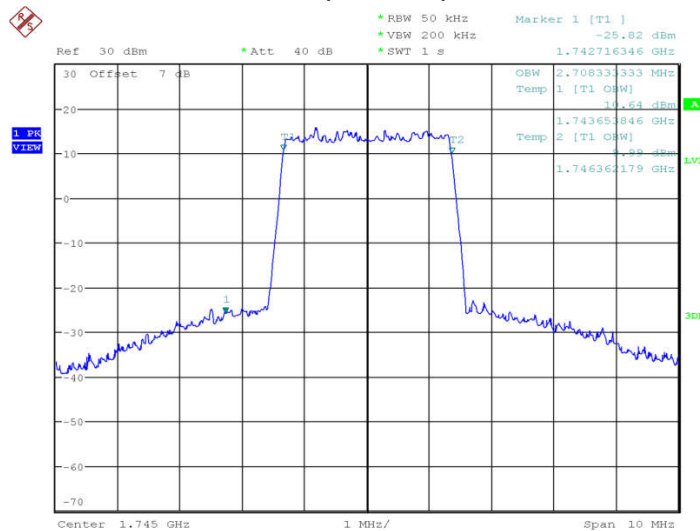
Frequency(MHz)	Occupied Bandwidth (99%)( MHz)	
1745.0	QPSK	16QAM
	2.724	2.708

## LTE band 66, 3MHz Bandwidth, QPSK (99% BW)



IF Overload  
 Date: 1.JAN.2003 06:27:54

## LTE band 66, 3MHz Bandwidth, 16QAM (99% BW)

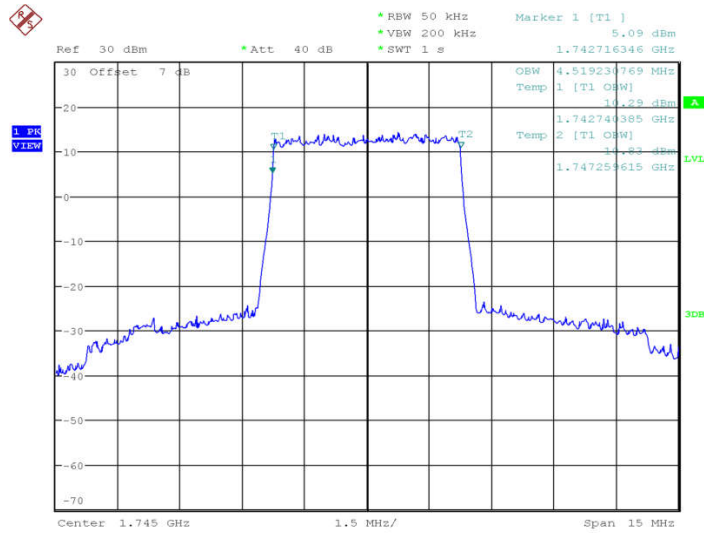


IF Overload  
 Date: 1.JAN.2003 06:28:41

### LTE band 66, 5MHz (99%)

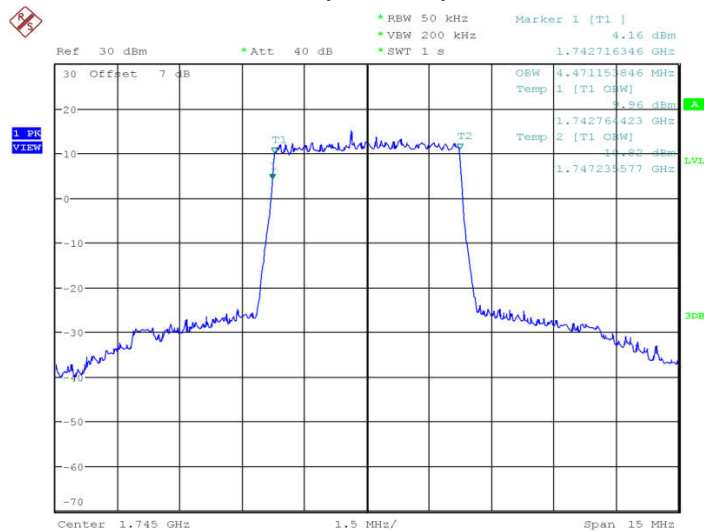
Frequency(MHz)	Occupied Bandwidth (99%)( MHz)	
1745.0	QPSK	16QAM
	4.519	4.471

### LTE band 66, 5MHz Bandwidth, QPSK (99% BW)



IF Overload  
Date: 1.JAN.2003 06:29:37

### LTE band 66, 5MHz Bandwidth, 16QAM (99% BW)

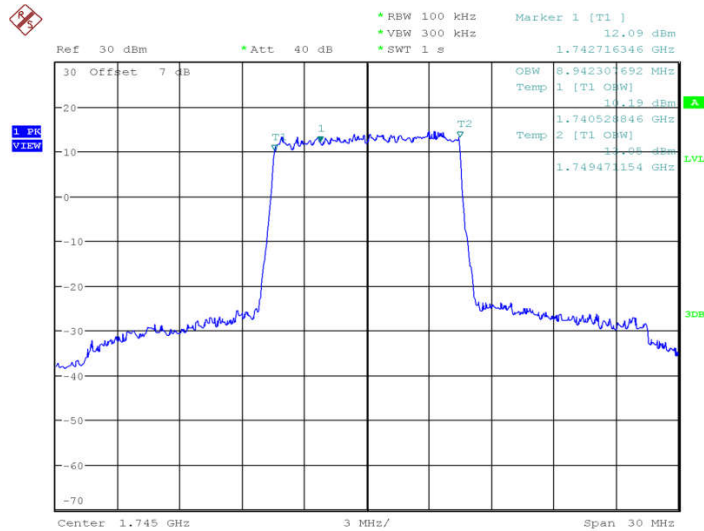


IF Overload  
Date: 1.JAN.2003 06:30:24

## LTE band 66, 10MHz (99%)

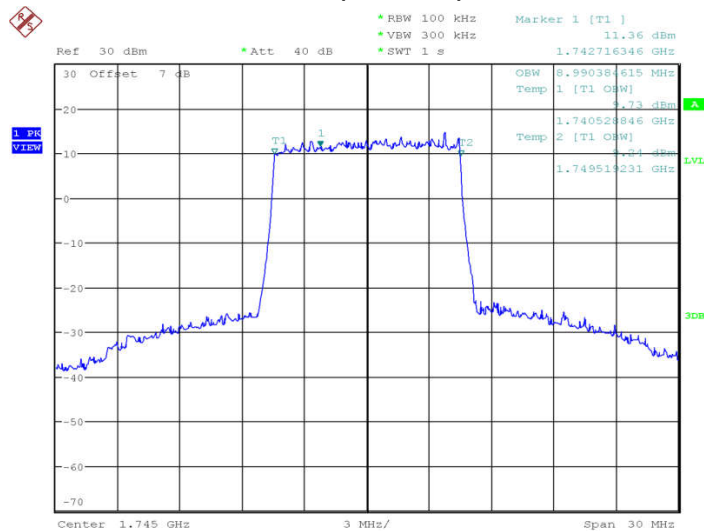
Frequency(MHz)	Occupied Bandwidth (99%)( MHz)	
1745.0	QPSK	16QAM
	8.942	8.990

## LTE band 66, 10MHz Bandwidth, QPSK (99% BW)



IF Overload  
 Date: 1.JAN.2003 06:31:19

## LTE band 66, 10MHz Bandwidth, 16QAM (99% BW)

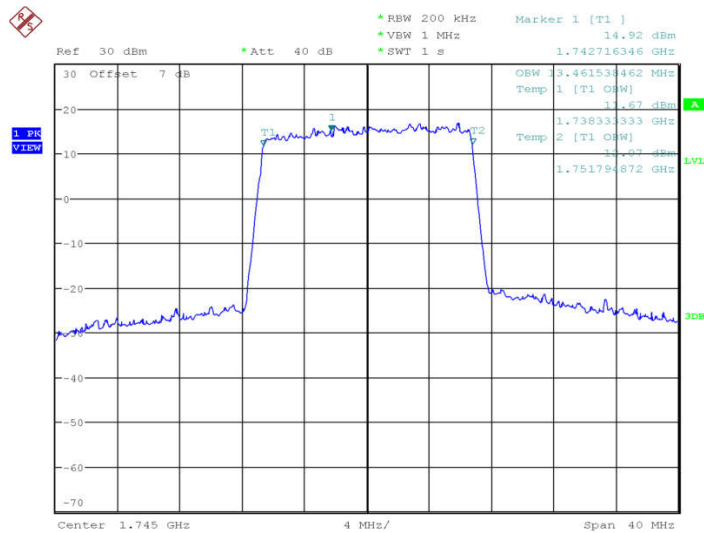


IF Overload  
 Date: 1.JAN.2003 06:32:06

### LTE band 66, 15MHz (99%)

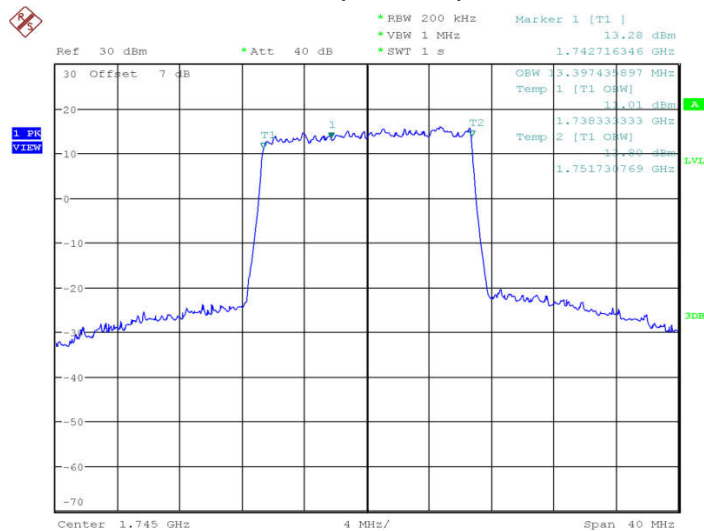
Frequency(MHz)	Occupied Bandwidth (99%)( MHz)	
1745.0	QPSK	16QAM
	13.462	13.397

### LTE band 66, 15MHz Bandwidth, QPSK (99% BW)



IF Overload  
Date: 1.JAN.2003 06:33:04

### LTE band 66, 15MHz Bandwidth, 16QAM (99% BW)

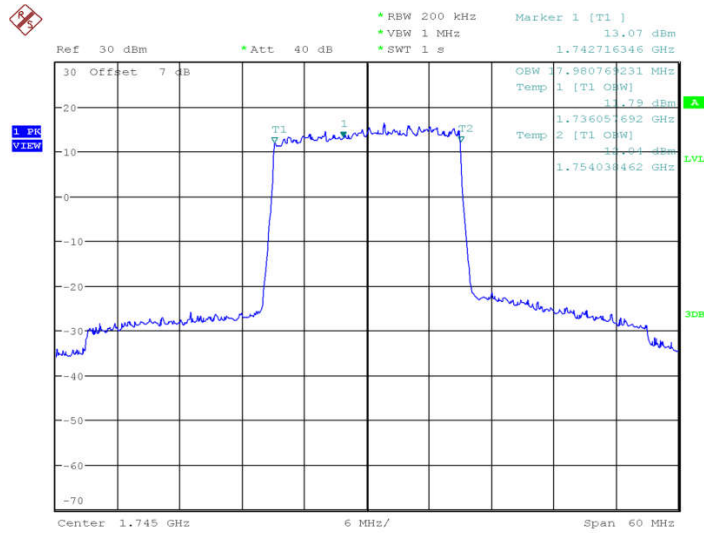


IF Overload  
Date: 1.JAN.2003 06:33:51

### LTE band 66, 20MHz (99%)

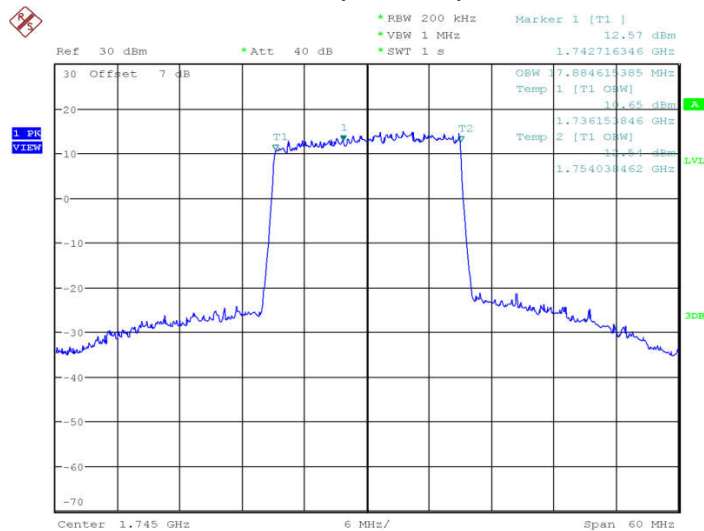
Frequency(MHz)	Occupied Bandwidth (99%)( MHz)	
1745.0	QPSK	16QAM
	17.981	17.885

### LTE band 66, 20MHz Bandwidth, QPSK (99% BW)



IF Overload  
 Date: 1.JAN.2003 06:34:49

### LTE band 66, 20MHz Bandwidth, 16QAM (99% BW)



IF Overload  
 Date: 1.JAN.2003 06:35:35

## ANNEX A.5. EMISSION BANDWIDTH

### Reference

FCC: CFR Part 22.917(b),24.238(a), 27.53(g),27.53(h), 27.53(m)

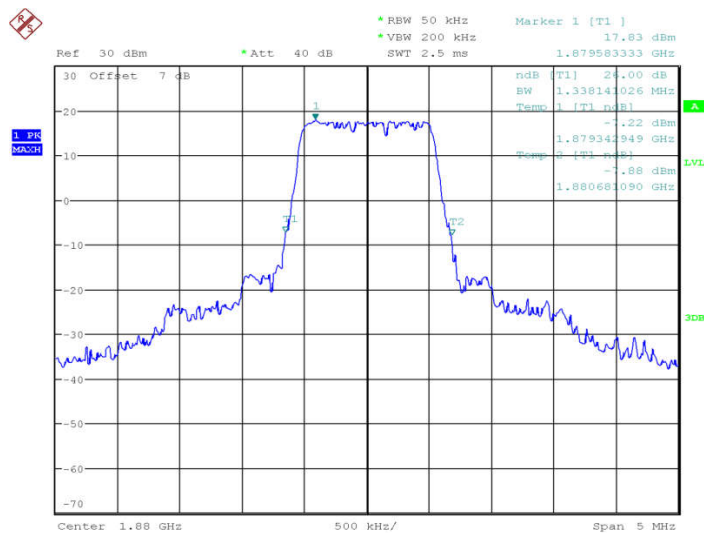
### A.5.1 Emission Bandwidth Results

The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power. Table below lists the measured -26dBc BW. Spectrum analyzer plots are included on the following pages.

#### LTE band 2, 1.4MHz (-26dBc)

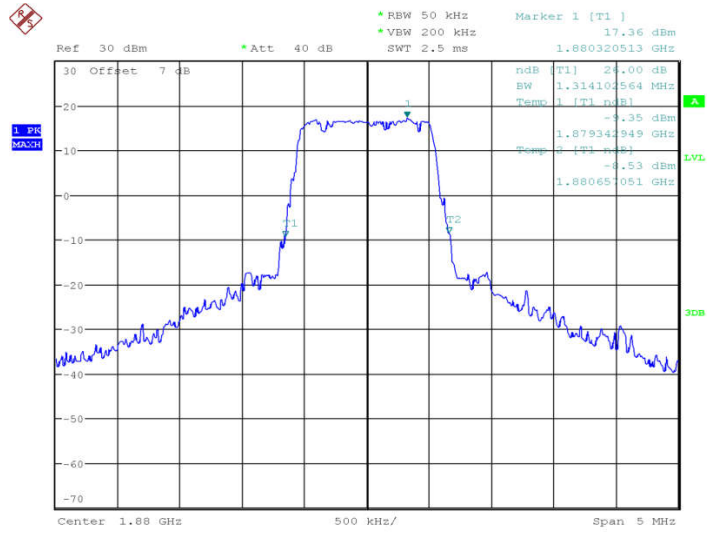
Frequency(MHz)	Occupied Bandwidth (-26dBc)( MHz)	
1880.0	QPSK	16QAM
	1.338	1.314

#### LTE band 2, 1.4MHz Bandwidth, QPSK (-26dBc BW)



IF Overload  
Date: 24.MAR.2018 13:37:04

#### LTE band 2, 1.4MHz Bandwidth, 16QAM (-26dBc BW)



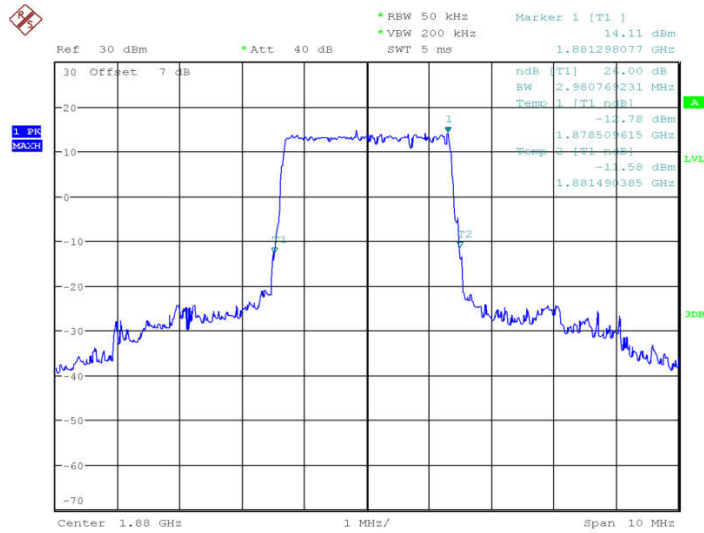
IF Overload  
 Date: 24.MAR.2018 13:37:17



## LTE band 2, 3MHz (-26dBc)

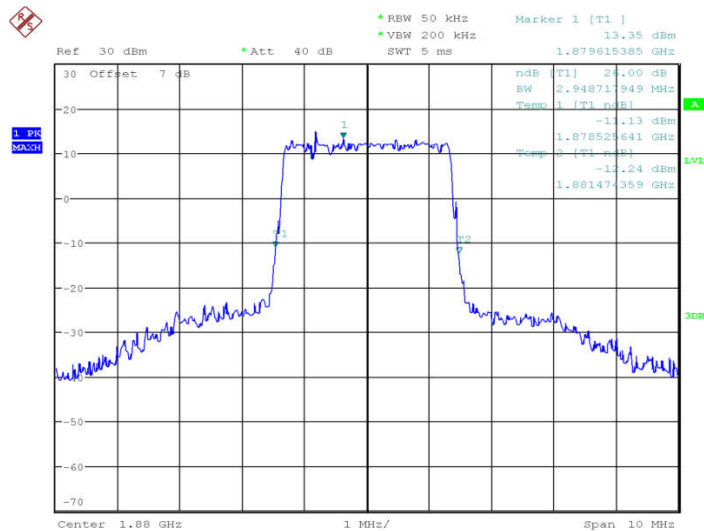
Frequency(MHz)	Occupied Bandwidth (-26dBc)( MHz)	
1880.0	QPSK	16QAM
	2.981	2.949

## LTE band 2, 3MHz Bandwidth, QPSK (-26dBc BW)



IF Overload  
 Date: 24.MAR.2018 13:37:38

## LTE band 2, 3MHz Bandwidth, 16QAM (-26dBc BW)

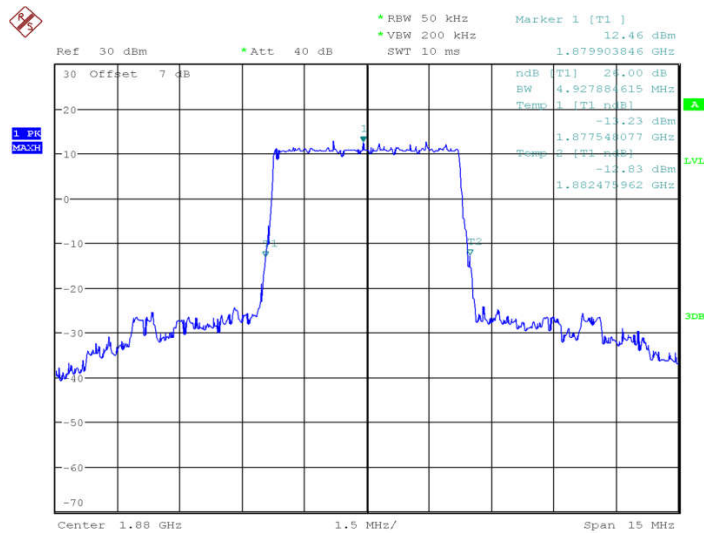


IF Overload  
 Date: 24.MAR.2018 13:37:51

## LTE band 2, 5MHz (-26dBc)

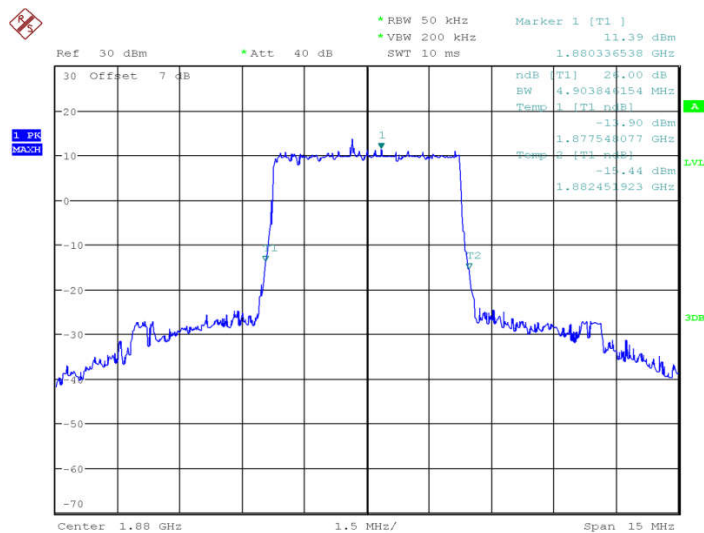
Frequency(MHz)	Occupied Bandwidth (-26dBc)( MHz)	
1880.0	QPSK	16QAM
	4.928	4.904

## LTE band 2, 5MHz Bandwidth, QPSK (-26dBc BW)



IF Overload  
Date: 24.MAR.2018 13:38:12

## LTE band 2, 5MHz Bandwidth, 16QAM (-26dBc BW)



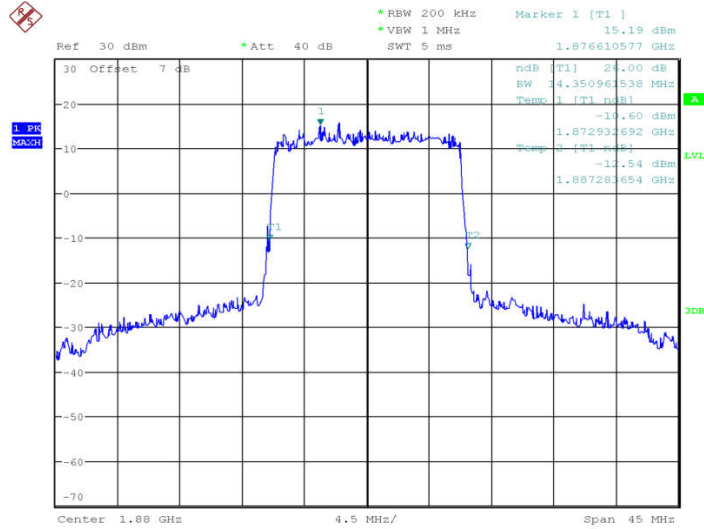
IF Overload  
Date: 24.MAR.2018 13:38:24



## LTE band 2, 15MHz (-26dBc)

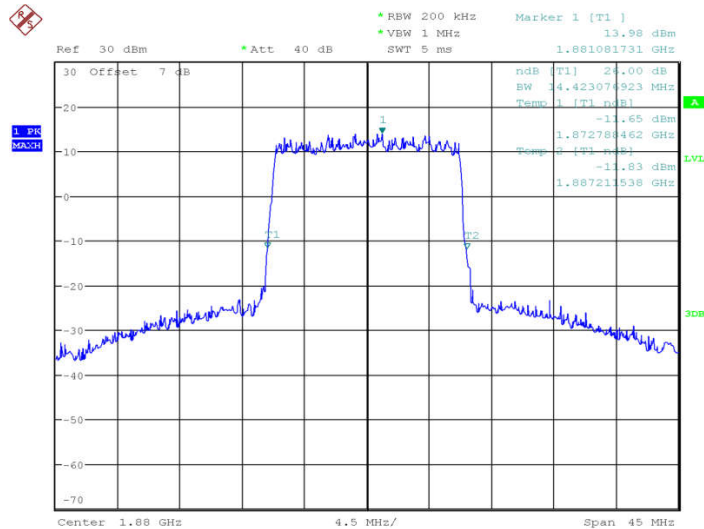
Frequency(MHz)	Occupied Bandwidth (-26dBc)( MHz)	
1880.0	QPSK	16QAM
	14.351	14.423

## LTE band 2, 15MHz Bandwidth, QPSK (-26dBc BW)



IF Overload  
Date: 27.MAR.2018 11:06:40

## LTE band 2, 15MHz Bandwidth, 16QAM (-26dBc BW)

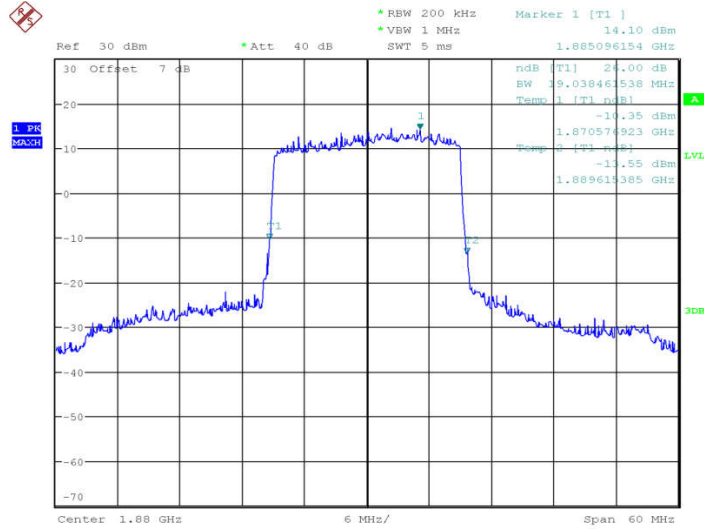


IF Overload  
Date: 27.MAR.2018 11:06:52

## LTE band 2, 20MHz (-26dBc)

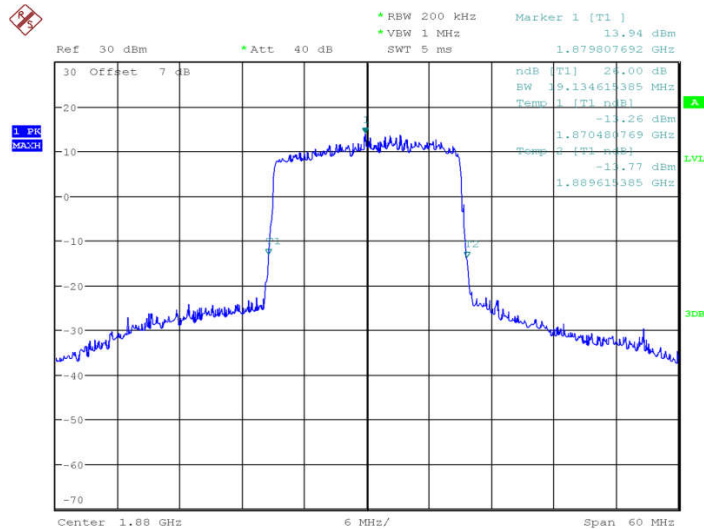
Frequency(MHz)	Occupied Bandwidth (-26dBc)( MHz)	
1880.0	QPSK	16QAM
	19.038	19.135

## LTE band 2, 20MHz Bandwidth, QPSK (-26dBc BW)



IF Overload  
Date: 6.JAN.2003 08:55:00

## LTE band 2, 20MHz Bandwidth, 16QAM (-26dBc BW)

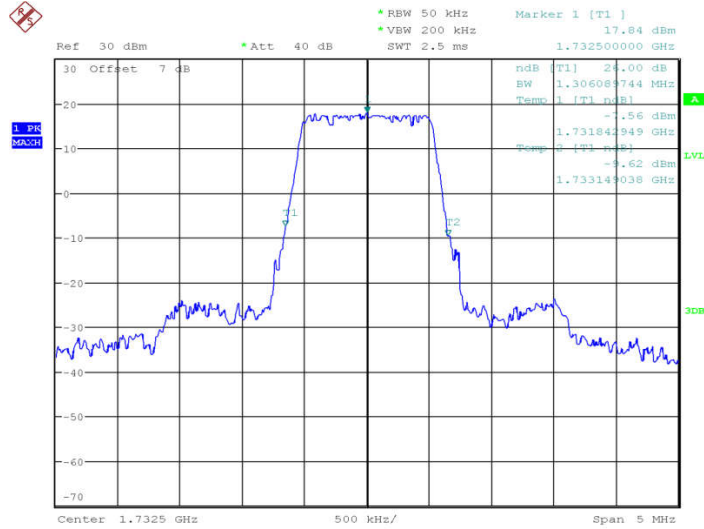


IF Overload  
Date: 6.JAN.2003 08:55:13

### LTE band 4, 1.4MHz (-26dBc)

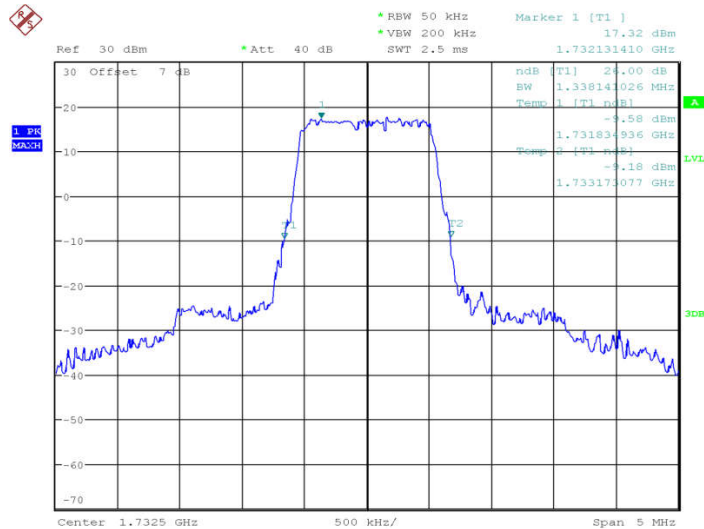
Frequency(MHz)	Occupied Bandwidth (-26dBc)( MHz)	
1732.5	QPSK	16QAM
	1.306	1.338

### LTE band 4, 1.4MHz Bandwidth, QPSK (-26dBc BW)



IF Overload  
 Date: 27.MAR.2018 11:27:56

### LTE band 4, 1.4MHz Bandwidth, 16QAM (-26dBc BW)

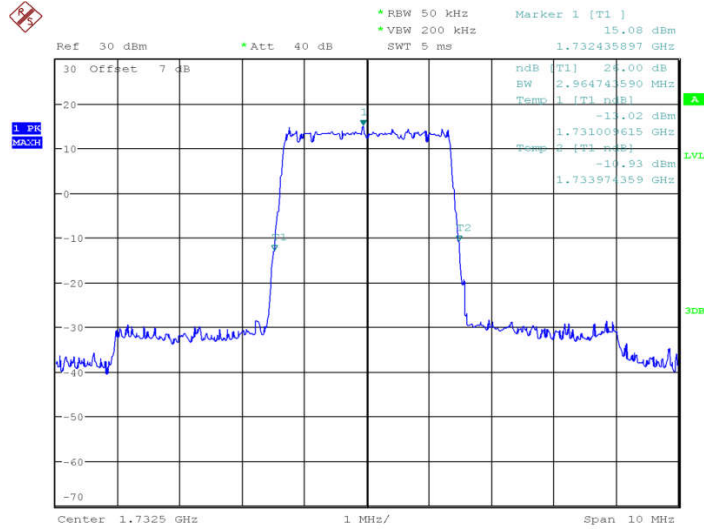


IF Overload  
 Date: 27.MAR.2018 11:28:09

## LTE band 4, 3MHz (-26dBc)

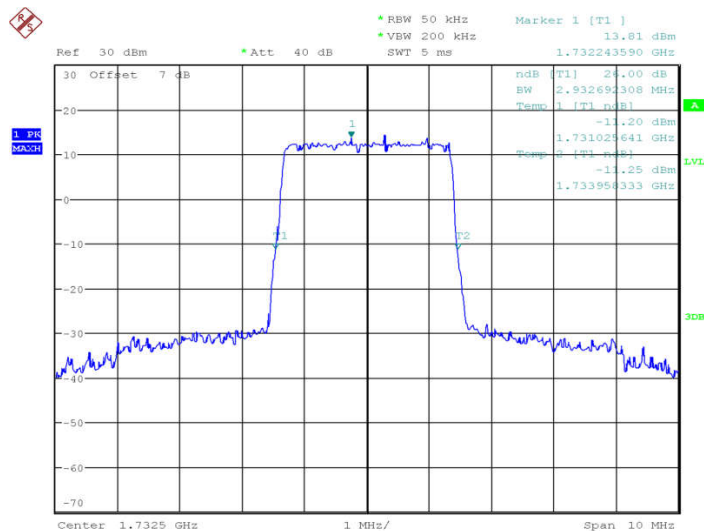
Frequency(MHz)	Occupied Bandwidth (-26dBc)( MHz)	
1732.5	QPSK	16QAM
	2.965	2.933

## LTE band 4, 3MHz Bandwidth, QPSK (-26dBc BW)



IF Overload  
Date: 27.MAR.2018 11:28:30

## LTE band 4, 3MHz Bandwidth, 16QAM (-26dBc BW)

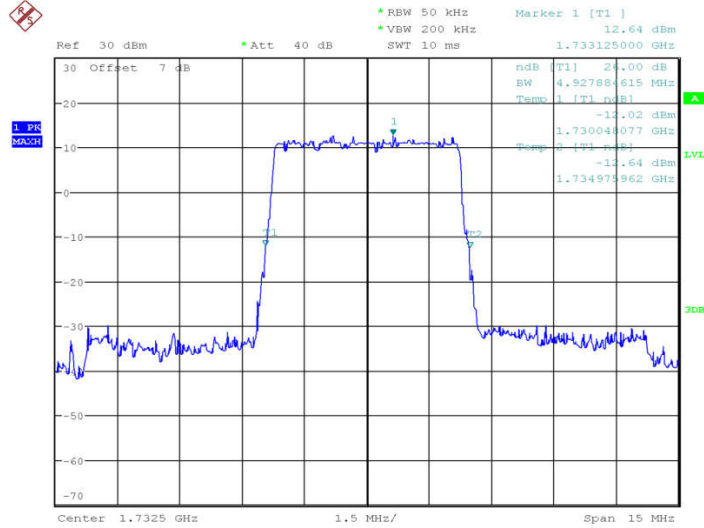


IF Overload  
Date: 27.MAR.2018 11:28:42

### LTE band 4, 5MHz (-26dBc)

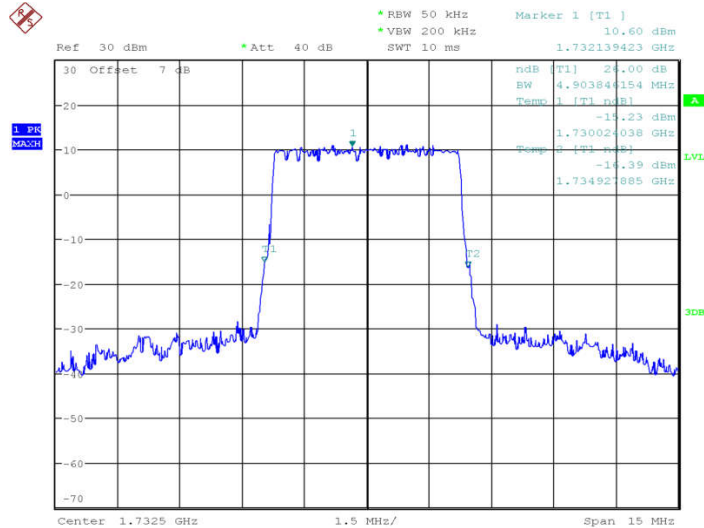
Frequency(MHz)	Occupied Bandwidth (-26dBc)( MHz)	
1732.5	QPSK	16QAM
	4.928	4.904

### LTE band 4, 5MHz Bandwidth, QPSK (-26dBc BW)



IF Overload  
Date: 27.MAR.2018 11:29:04

### LTE band 4, 5MHz Bandwidth, 16QAM (-26dBc BW)



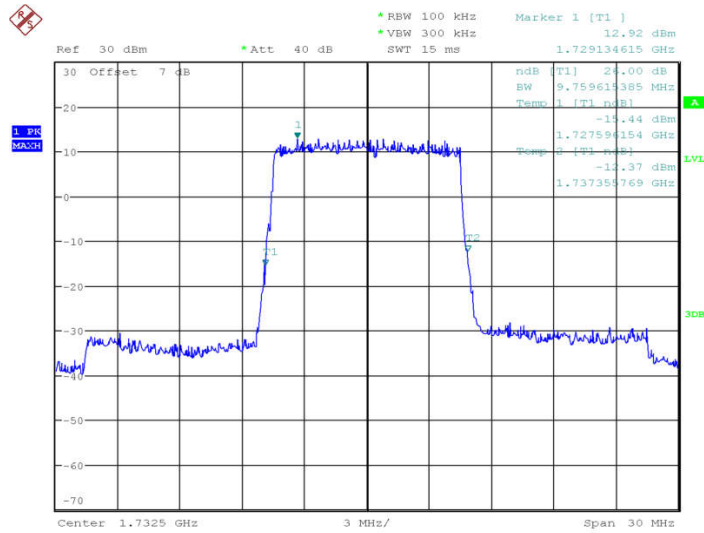
IF Overload  
Date: 27.MAR.2018 11:29:17



## LTE band 4, 10MHz (-26dBc)

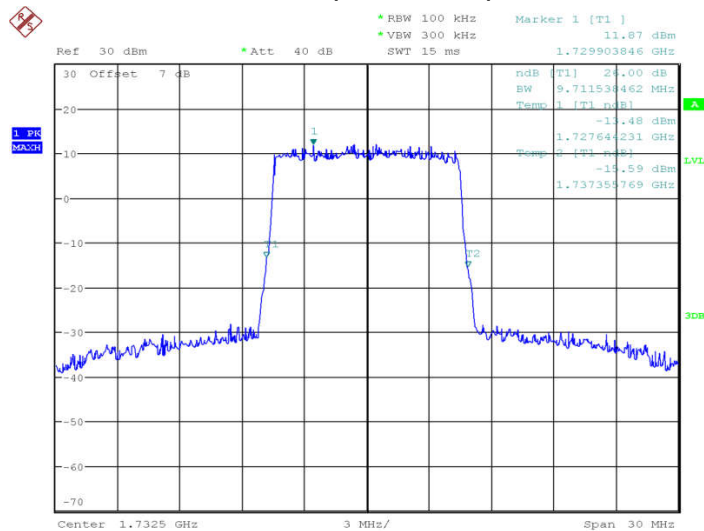
Frequency(MHz)	Occupied Bandwidth (-26dBc)( MHz)	
1732.5	QPSK	16QAM
	9.760	9.712

## LTE band 4, 10MHz Bandwidth, QPSK (-26dBc BW)



IF Overload  
 Date: 27.MAR.2018 11:29:37

## LTE band 4, 10MHz Bandwidth, 16QAM (-26dBc BW)

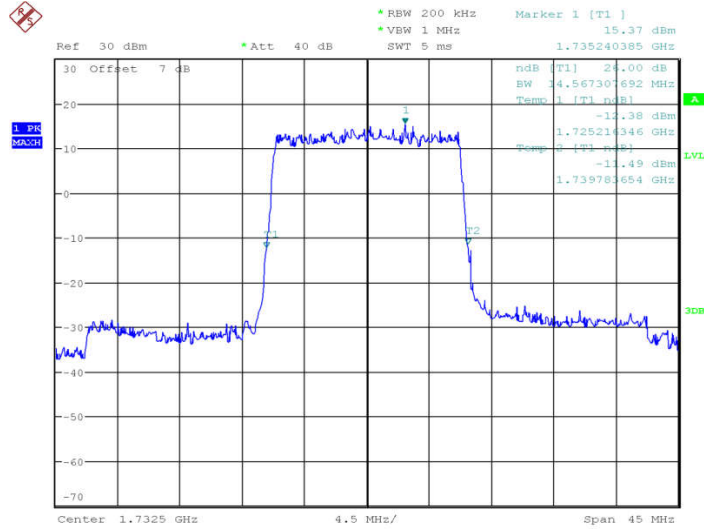


IF Overload  
 Date: 27.MAR.2018 11:29:49

## LTE band 4, 15MHz (-26dBc)

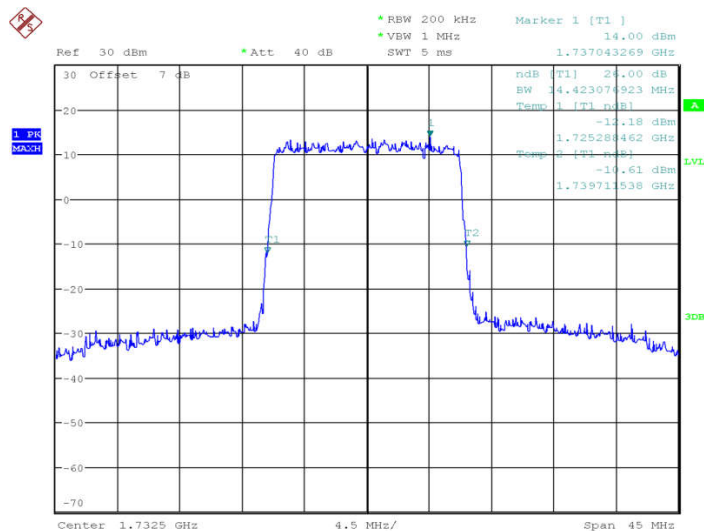
Frequency(MHz)	Occupied Bandwidth (-26dBc)( MHz)	
1732.5	QPSK	16QAM
	14.567	14.423

## LTE band 4, 15MHz Bandwidth, QPSK (-26dBc BW)



IF Overload  
 Date: 27.MAR.2018 11:30:09

## LTE band 4, 15MHz Bandwidth, 16QAM (-26dBc BW)

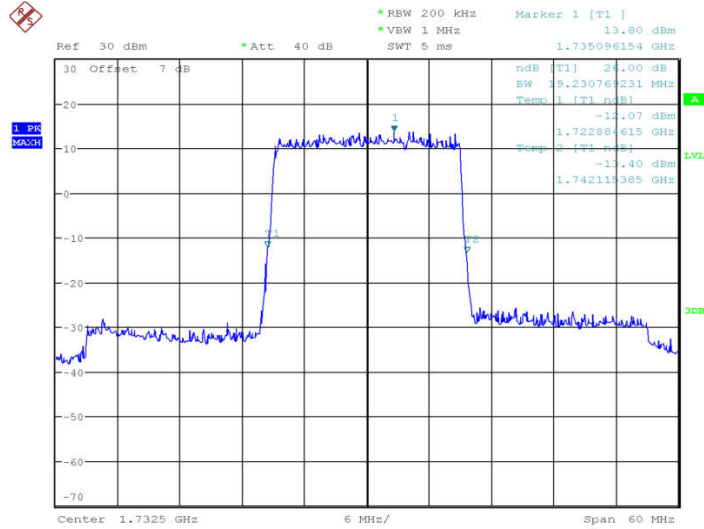


IF Overload  
 Date: 27.MAR.2018 11:30:21

### LTE band 4, 20MHz (-26dBc)

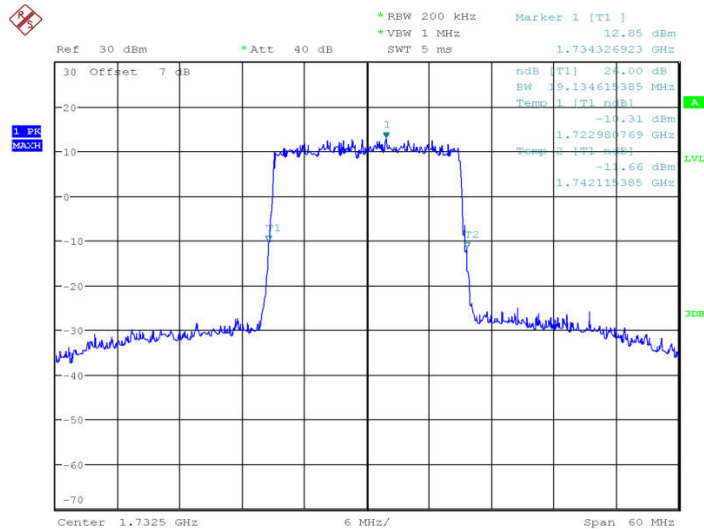
Frequency(MHz)	Occupied Bandwidth (-26dBc)( MHz)	
1732.5	QPSK	16QAM
	19.231	19.135

### LTE band 4, 20MHz Bandwidth, QPSK (-26dBc BW)



IF Overload  
Date: 27.MAR.2018 11:30:42

### LTE band 4, 20MHz Bandwidth, 16QAM (-26dBc BW)

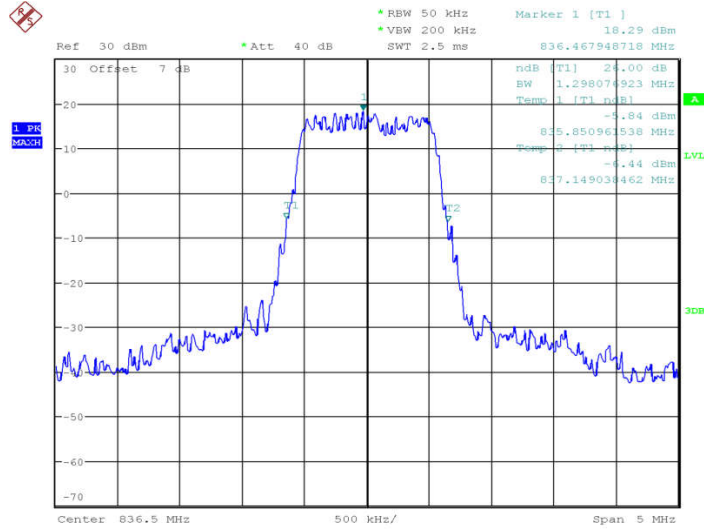


IF Overload  
Date: 27.MAR.2018 11:30:55

## LTE band 5, 1.4MHz (-26dBc)

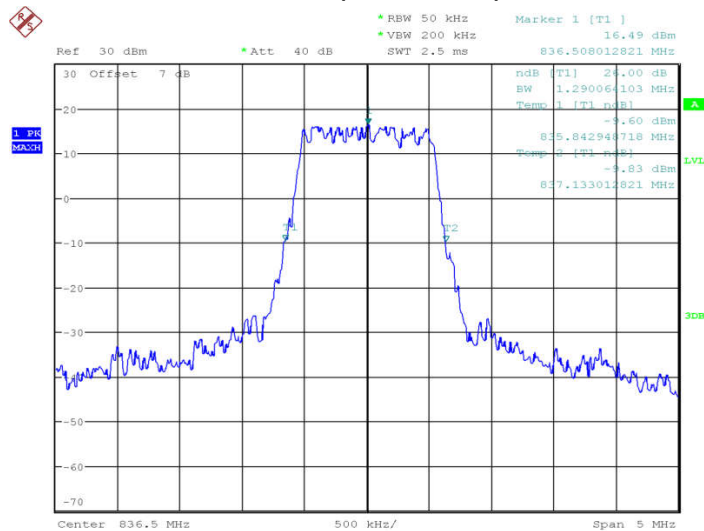
Frequency(MHz)	Occupied Bandwidth (-26dBc)( MHz)	
836.5	QPSK	16QAM
	1.298	1.290

## LTE band 5, 1.4MHz Bandwidth, QPSK (-26dBc BW)



IF Overload  
Date: 27.MAR.2018 12:04:14

## LTE band 5, 1.4MHz Bandwidth, 16QAM (-26dBc BW)

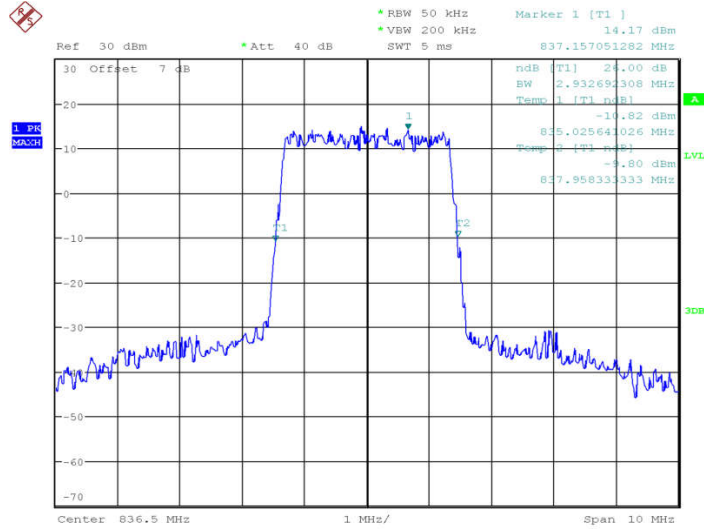


IF Overload  
Date: 27.MAR.2018 12:04:28

## LTE band 5, 3MHz (-26dBc)

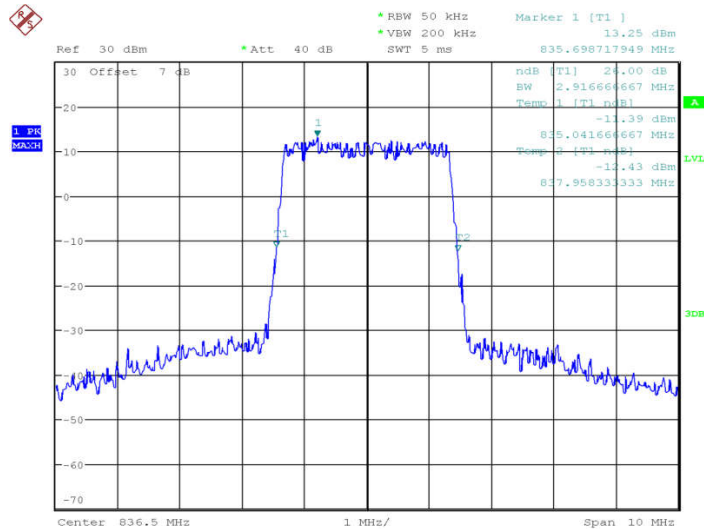
Frequency(MHz)	Occupied Bandwidth (-26dBc)( MHz)	
836.5	QPSK	16QAM
	2.933	2.917

## LTE band 5, 3MHz Bandwidth, QPSK (-26dBc BW)



IF Overload  
 Date: 27.MAR.2018 12:04:49

## LTE band 5, 3MHz Bandwidth, 16QAM (-26dBc BW)

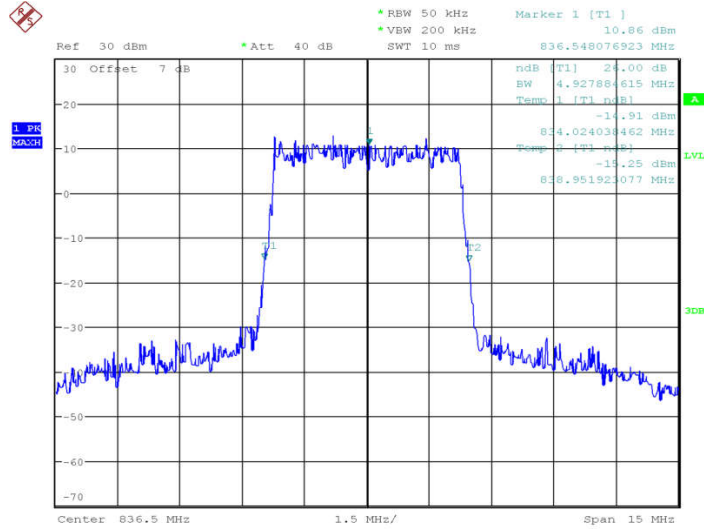


IF Overload  
 Date: 27.MAR.2018 12:05:01

## LTE band 5, 5MHz (-26dBc)

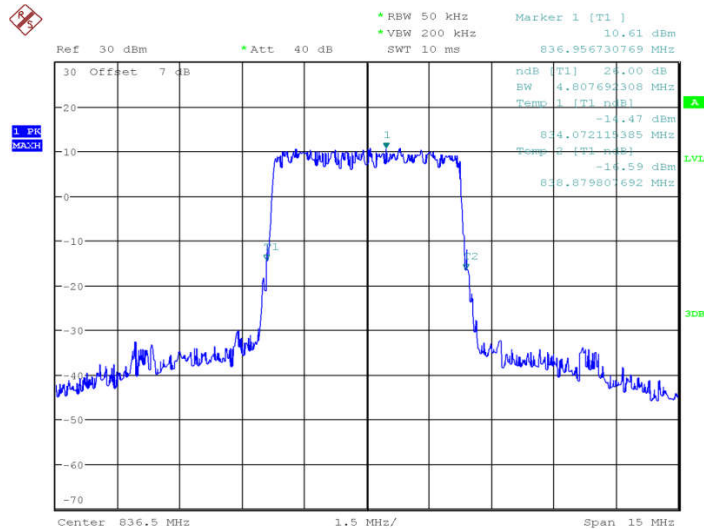
Frequency(MHz)	Occupied Bandwidth (-26dBc)( kHz)	
836.5	QPSK	16QAM
	4.928	4.808

## LTE band 5, 5MHz Bandwidth, QPSK (-26dBc BW)



IF Overload  
Date: 27.MAR.2018 12:05:23

## LTE band 5, 5MHz Bandwidth, 16QAM (-26dBc BW)

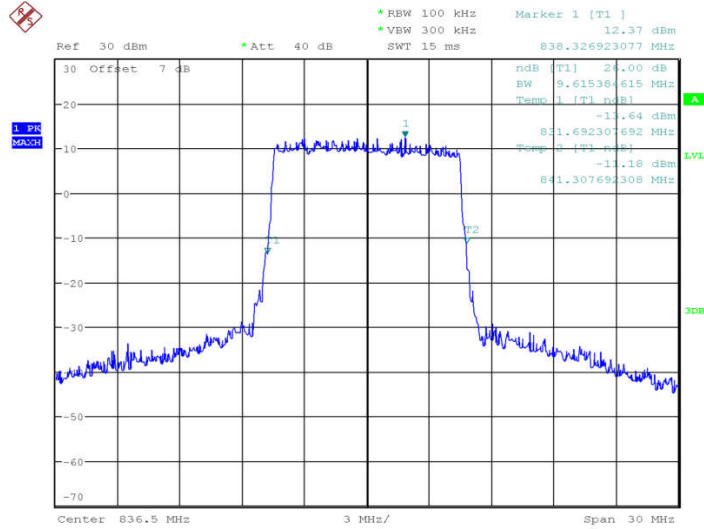


IF Overload  
Date: 27.MAR.2018 12:05:36

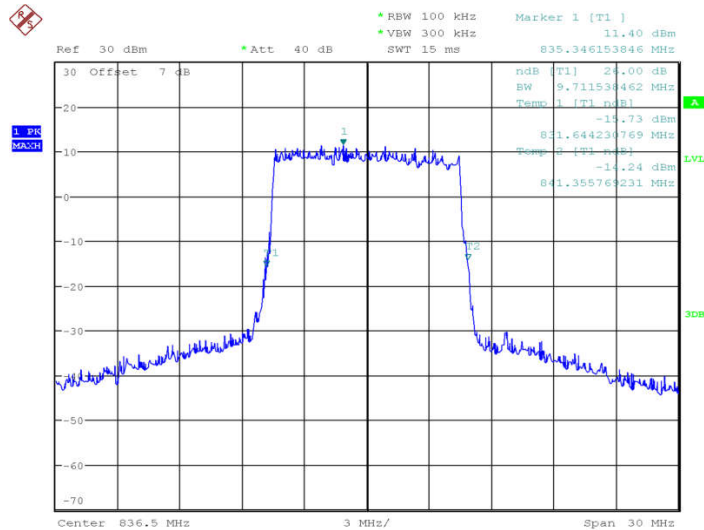
## LTE band 5, 10MHz (-26dBc)

Frequency(MHz)	Occupied Bandwidth (-26dBc)( MHz)	
836.5	QPSK	16QAM
	9.615	9.712

## LTE band 5, 10MHz Bandwidth, QPSK (-26dBc BW)



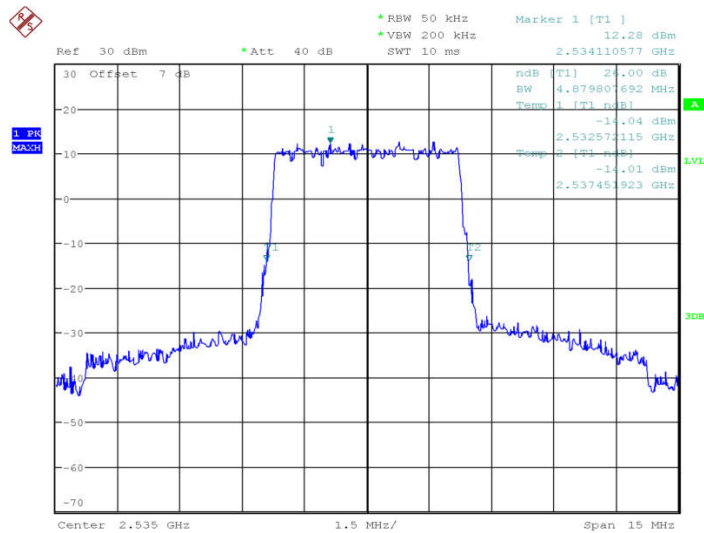
## LTE band 5, 10MHz Bandwidth, 16QAM (-26dBc BW)



## LTE band 7, 5MHz (-26dBc)

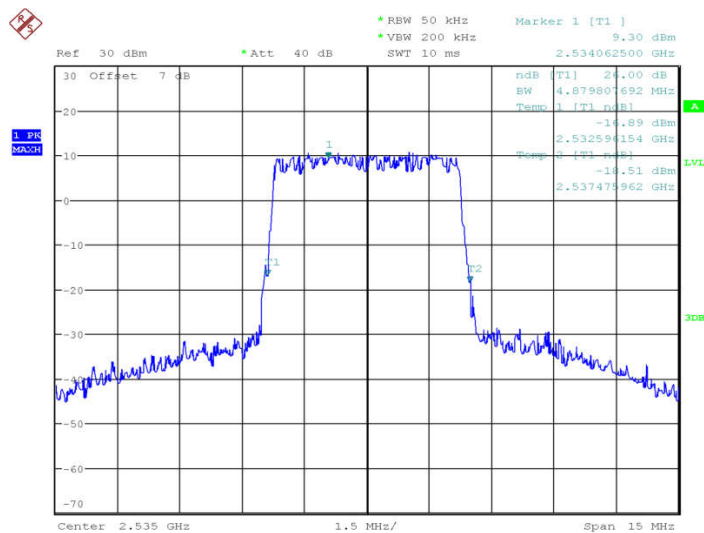
Frequency(MHz)	Occupied Bandwidth (-26dBc)( MHz)	
2535.0	QPSK	16QAM
	4.880	4.880

## LTE band 7, 5MHz Bandwidth, QPSK (-26dBc BW)



IF Overload  
 Date: 27.MAR.2018 12:16:53

## LTE band 7, 5MHz Bandwidth, 16QAM (-26dBc BW)



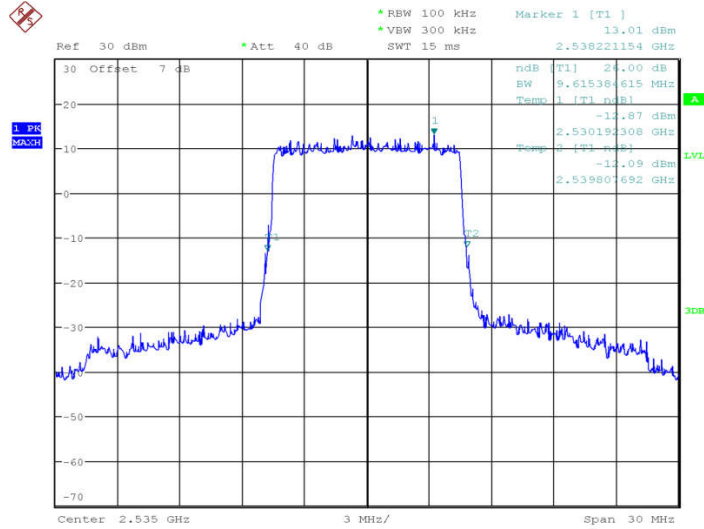
IF Overload  
 Date: 27.MAR.2018 12:17:06



## LTE band 7, 10MHz (-26dBc)

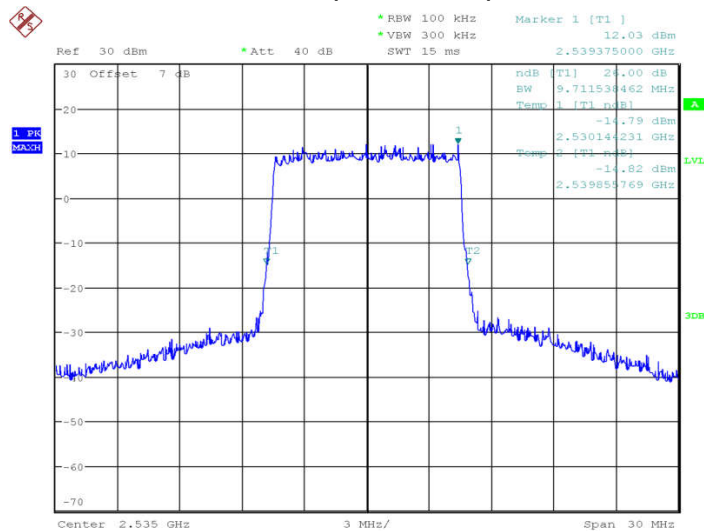
Frequency(MHz)	Occupied Bandwidth (-26dBc)( kHz)	
2535.0	QPSK	16QAM
	9.615	9.712

## LTE band 7, 10MHz Bandwidth, QPSK (-26dBc BW)



IF Overload  
Date: 27.MAR.2018 12:17:26

## LTE band 7, 10MHz Bandwidth, 16QAM (-26dBc BW)

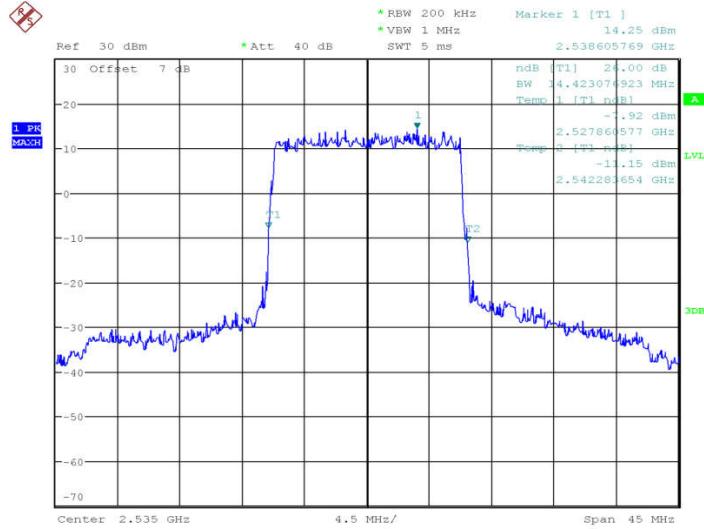


IF Overload  
Date: 27.MAR.2018 12:17:38

## LTE band 7, 15MHz (-26dBc)

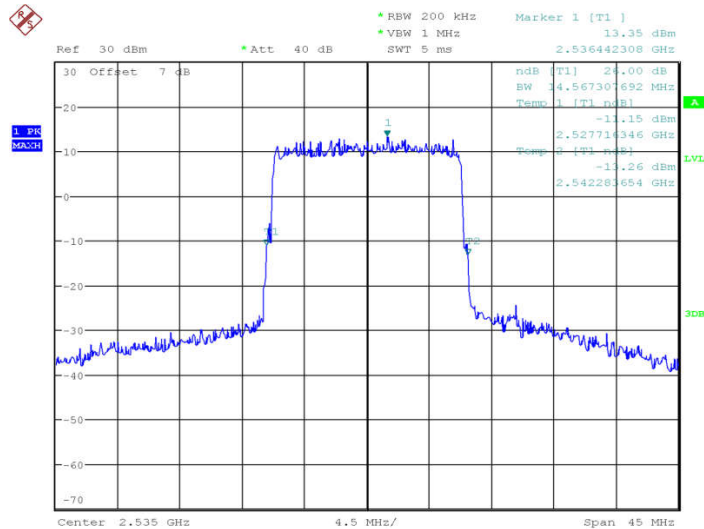
Frequency(MHz)	Occupied Bandwidth (-26dBc)( MHz)	
2535.0	QPSK	16QAM
	14.423	14.567

## LTE band 7, 15MHz Bandwidth, QPSK (-26dBc BW)



IF Overload  
 Date: 27.MAR.2018 12:17:58

## LTE band 7, 15MHz Bandwidth, 16QAM (-26dBc BW)

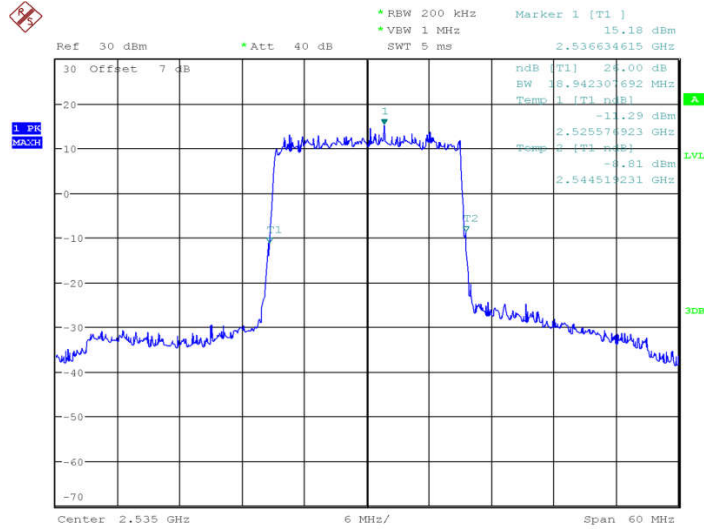


IF Overload  
 Date: 27.MAR.2018 12:18:10

## LTE band 7, 20MHz (-26dBc)

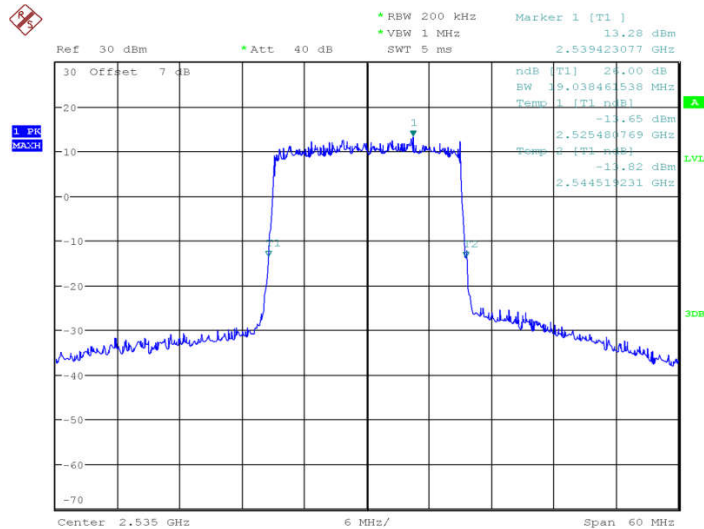
Frequency(MHz)	Occupied Bandwidth (-26dBc)( MHz)	
2535.0	QPSK	16QAM
	18.942	19.038

## LTE band 7, 20MHz Bandwidth, QPSK (-26dBc BW)



IF Overload  
Date: 27.MAR.2018 12:18:31

## LTE band 7, 20MHz Bandwidth, 16QAM (-26dBc BW)

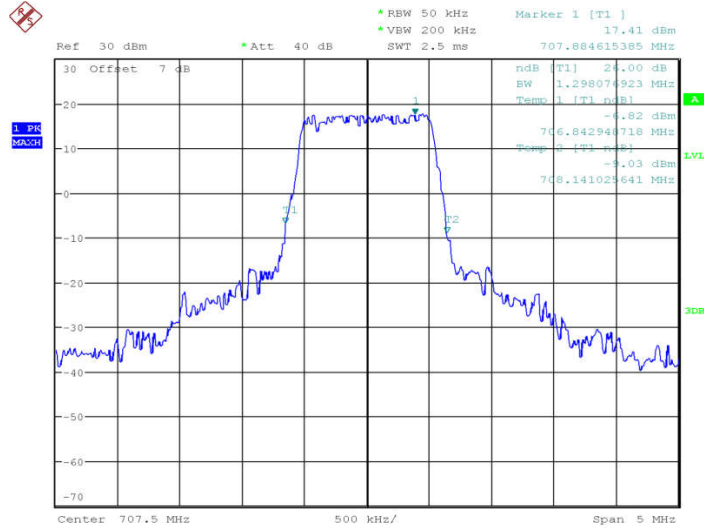


IF Overload  
Date: 27.MAR.2018 12:18:44

### LTE band 12, 1.4MHz (-26dBc)

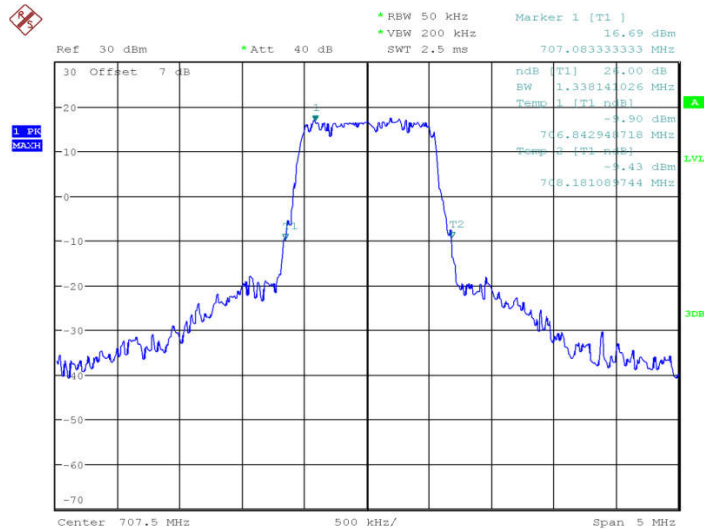
Frequency(MHz)	Occupied Bandwidth (-26dBc)( MHz)	
707.5	QPSK	16QAM
	1.298	1.338

### LTE band 12, 1.4MHz Bandwidth, QPSK (-26dBc BW)



IF Overload  
Date: 27.MAR.2018 14:19:54

### LTE band 12, 1.4MHz Bandwidth, 16QAM (-26dBc BW)

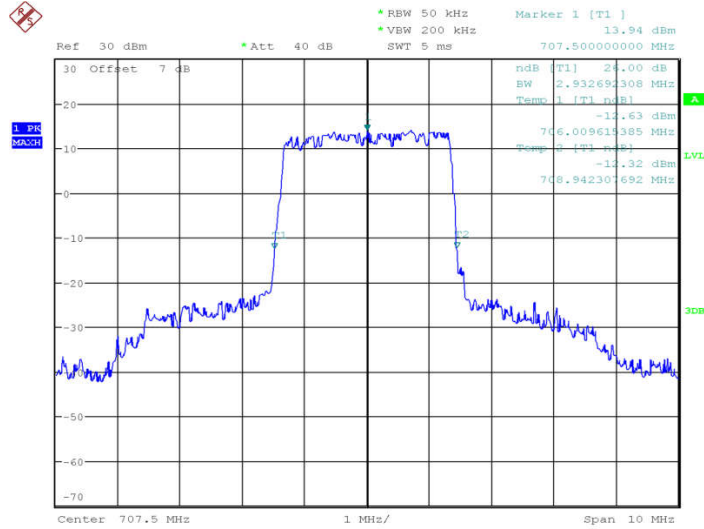


IF Overload  
Date: 27.MAR.2018 14:20:06

### LTE band 12, 3MHz (-26dBc)

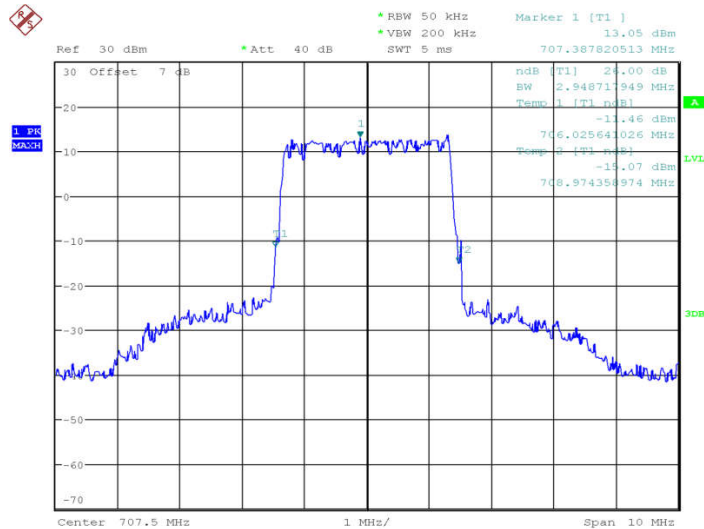
Frequency(MHz)	Occupied Bandwidth (-26dBc)( MHz)	
707.5	QPSK	16QAM
	2.933	2.949

### LTE band 12, 3MHz Bandwidth, QPSK (-26dBc BW)



IF Overload  
Date: 27.MAR.2018 14:20:27

### LTE band 12, 3MHz Bandwidth, 16QAM (-26dBc BW)

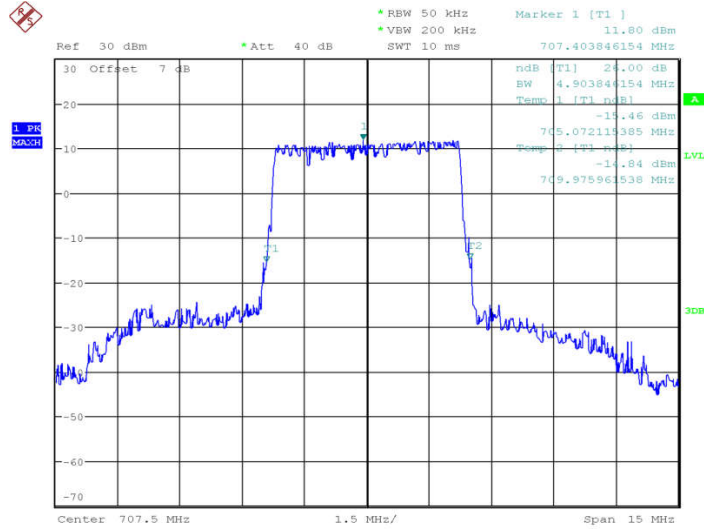


IF Overload  
Date: 27.MAR.2018 14:20:40

## LTE band 12, 5MHz (-26dBc)

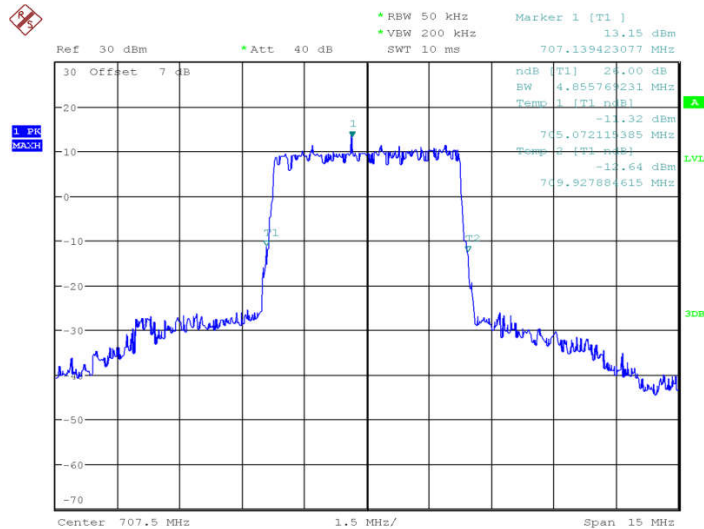
Frequency(MHz)	Occupied Bandwidth (-26dBc)( MHz)	
707.5	QPSK	16QAM
	4.904	4.856

## LTE band 12, 5MHz Bandwidth, QPSK (-26dBc BW)



IF Overload  
Date: 27.MAR.2018 14:21:01

## LTE band 12, 5MHz Bandwidth, 16QAM (-26dBc BW)

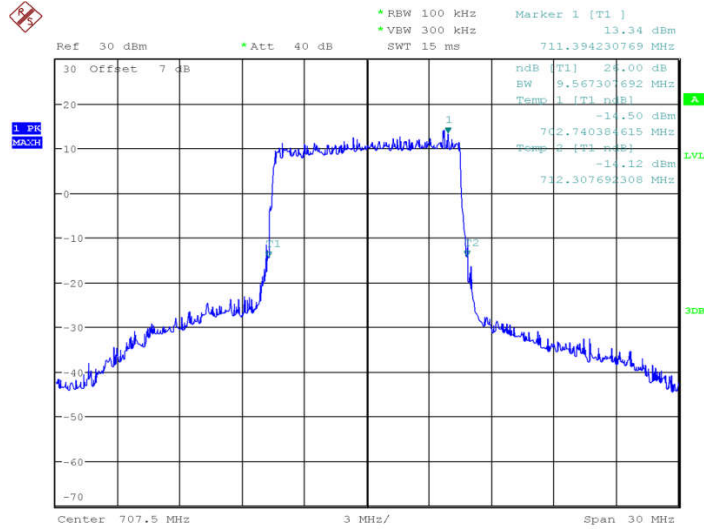


IF Overload  
Date: 27.MAR.2018 14:21:15

## LTE band 12, 10MHz (-26dBc)

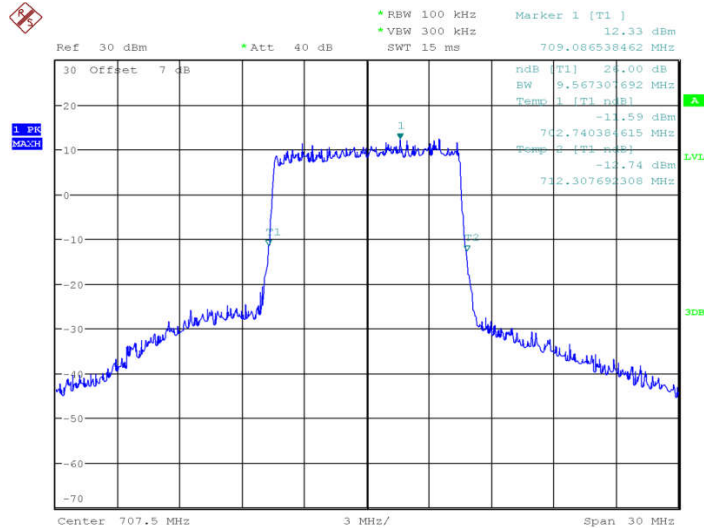
Frequency(MHz)	Occupied Bandwidth (-26dBc)( MHz)	
707.5	QPSK	16QAM
	9.567	9.567

## LTE band 12, 10MHz Bandwidth, QPSK (-26dBc BW)



IF Overload  
Date: 27.MAR.2018 14:21:35

## LTE band 12, 10MHz Bandwidth, 16QAM (-26dBc BW)

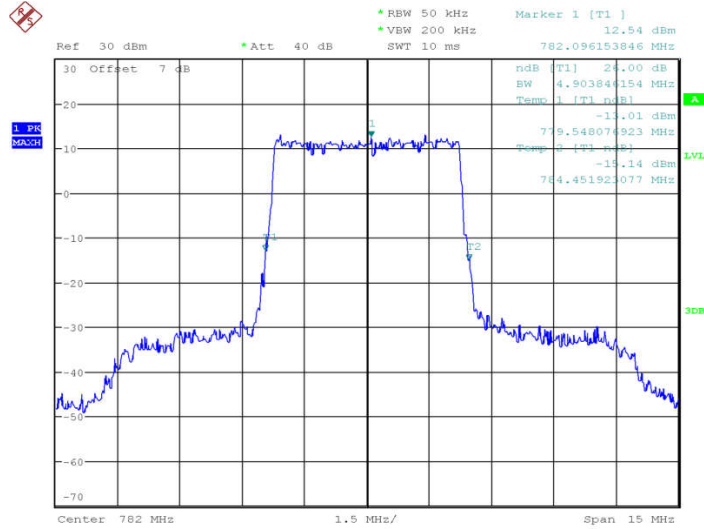


IF Overload  
Date: 27.MAR.2018 14:21:47

## LTE band 13, 5MHz (-26dBc)

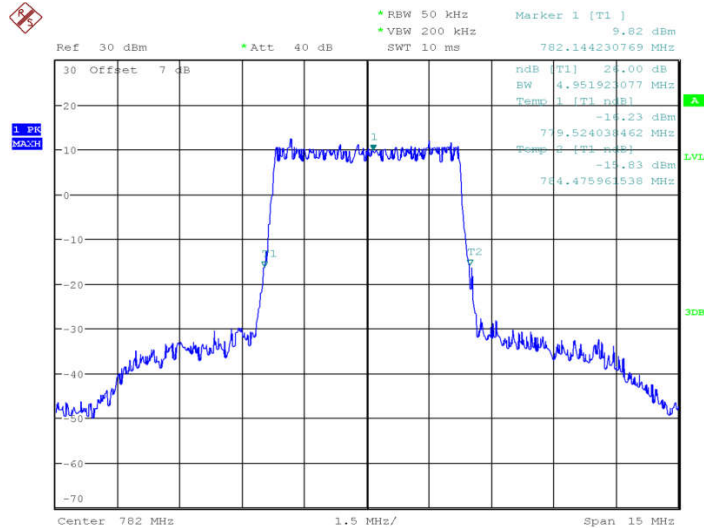
Frequency(MHz)	Occupied Bandwidth (-26dBc)( MHz)	
707.5	QPSK	16QAM
	4.904	4.952

## LTE band 13, 5MHz Bandwidth, QPSK (-26dBc BW)



IF Overload  
Date: 27.MAR.2018 14:39:29

## LTE band 13, 5MHz Bandwidth, 16QAM (-26dBc BW)



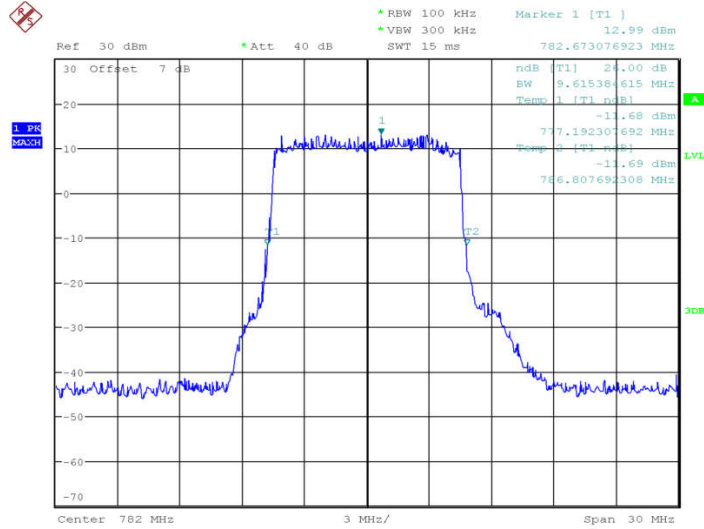
IF Overload  
Date: 27.MAR.2018 14:39:42



### LTE band 13, 10MHz (-26dBc)

Frequency(MHz)	Occupied Bandwidth (-26dBc)( MHz)	
707.5	QPSK	16QAM
	9.615	9.615

### LTE band 13, 10MHz Bandwidth, QPSK (-26dBc BW)



### LTE band 13, 10MHz Bandwidth, 16QAM (-26dBc BW)

