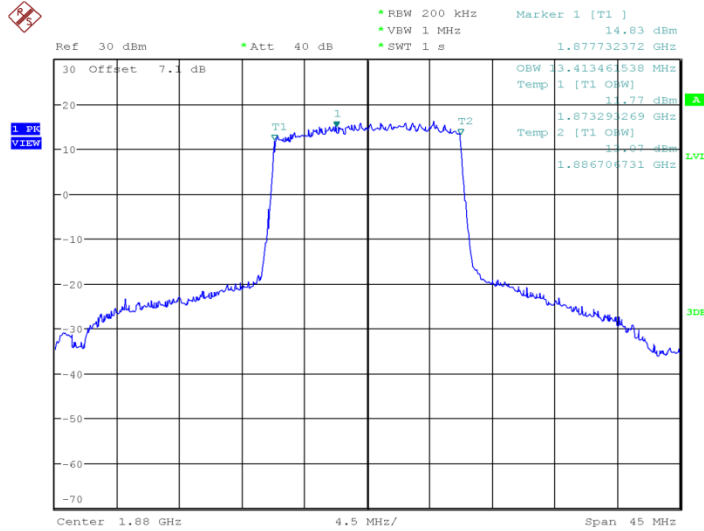


LTE band 2, 15MHz (99%)

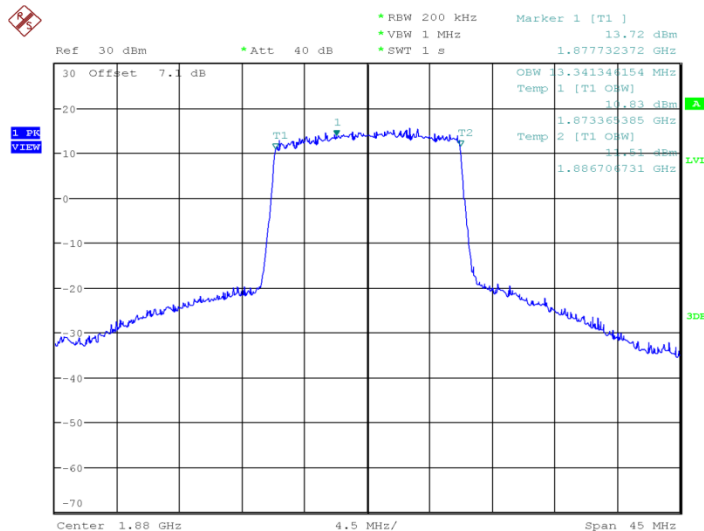
Frequency(MHz)	Occupied Bandwidth (99%)(MHz)	
	1880.0	QPSK
	13.413	13.341

LTE band 2, 15MHz Bandwidth, QPSK (99% BW)



IF Overload
Date: 2.JAN.2003 10:23:49

LTE band 2, 15MHz Bandwidth, 16QAM (99% BW)

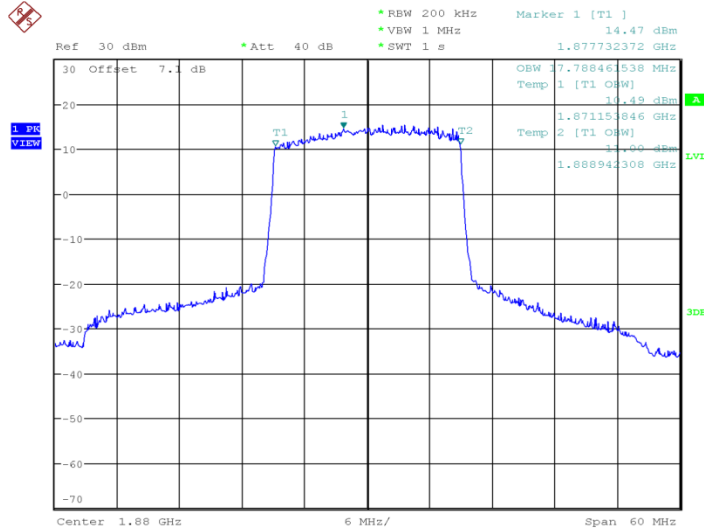


IF Overload
Date: 2.JAN.2003 10:24:16

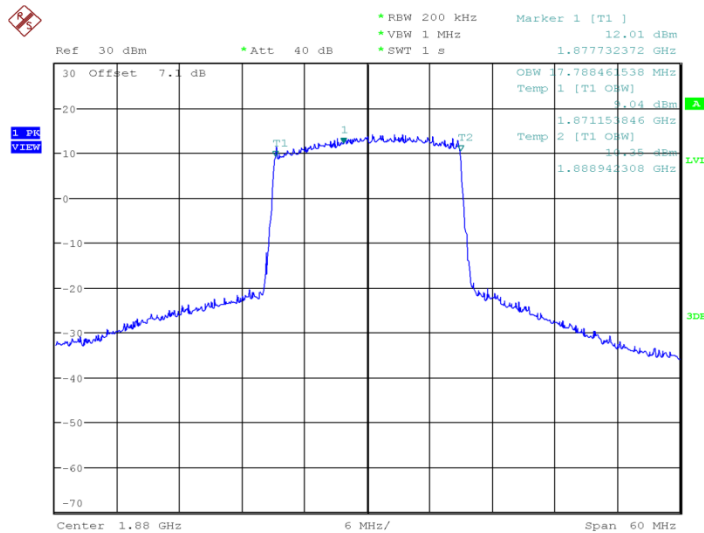
LTE band 2, 20MHz (99%)

Frequency(MHz)	Occupied Bandwidth (99%)(MHz)	
	1880.0	QPSK
	17.788	17.788

LTE band 2, 20MHz Bandwidth, QPSK (99% BW)



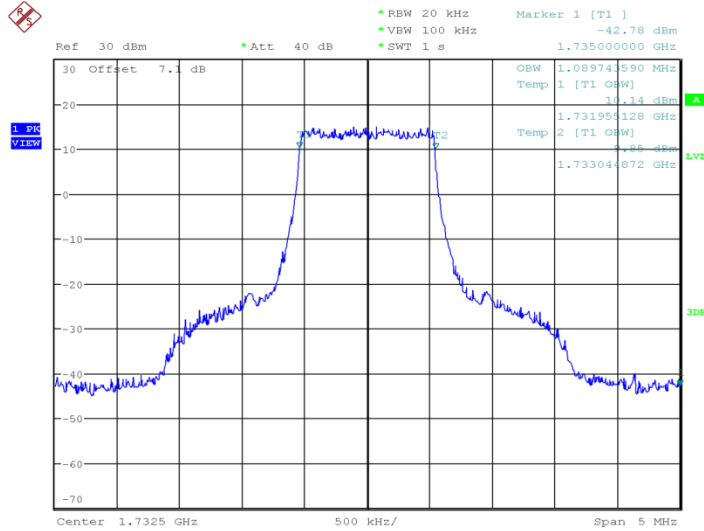
LTE band 2, 20MHz Bandwidth, 16QAM (99% BW)



LTE band 4, 1.4MHz (99%)

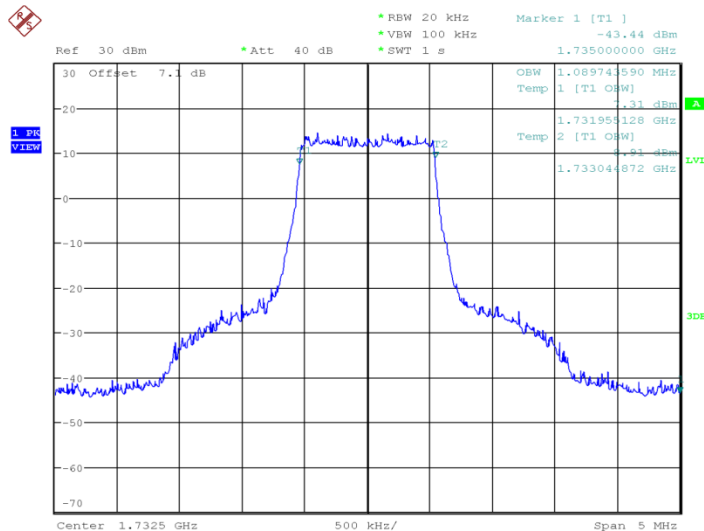
Frequency(MHz)	Occupied Bandwidth (99%)(MHz)	
	1732.5	QPSK
	1.09	1.09

LTE band 4, 1.4MHz Bandwidth, QPSK (99% BW)



IF Overload
Date: 2.JAN.2003 10:25:52

LTE band 4, 1.4MHz Bandwidth, 16QAM (99% BW)

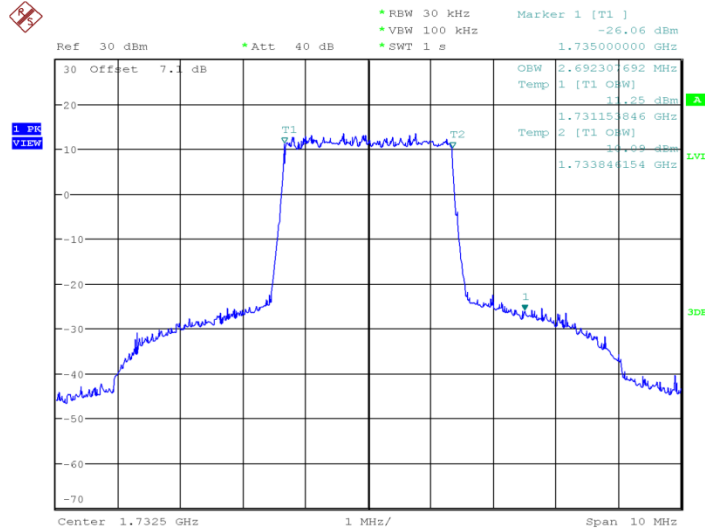


IF Overload
Date: 2.JAN.2003 10:26:18

LTE band 4, 3MHz (99%)

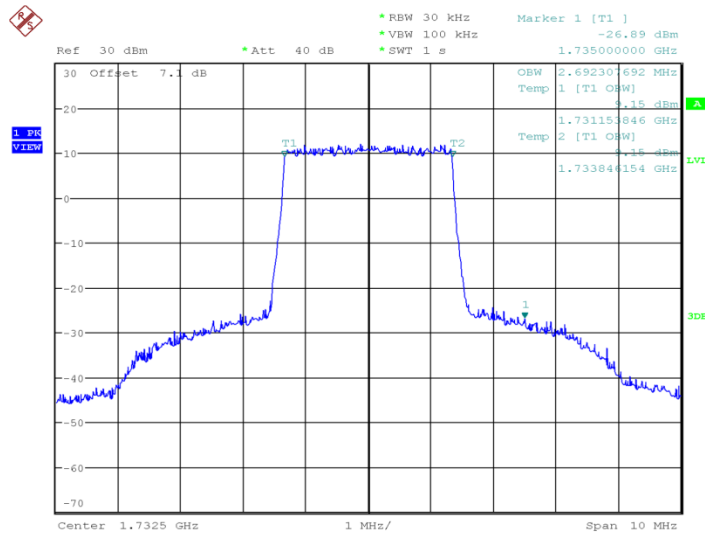
Frequency(MHz)	Occupied Bandwidth (99%)(MHz)	
1732.5	QPSK	16QAM
	2.692	2.692

LTE band 4, 3MHz Bandwidth, QPSK (99% BW)



IF Overload
Date: 2.JAN.2003 10:26:53

LTE band 4, 3MHz Bandwidth, 16QAM (99% BW)

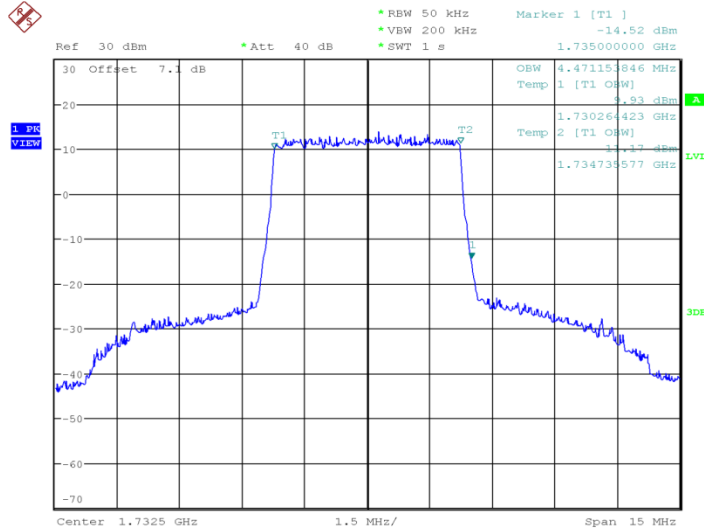


IF Overload
Date: 2.JAN.2003 10:27:19

LTE band 4, 5MHz (99%)

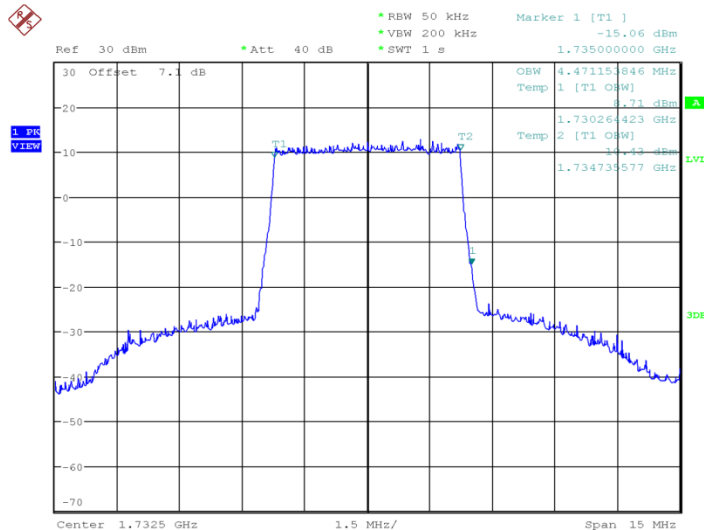
Frequency(MHz)	Occupied Bandwidth (99%)(MHz)	
1732.5	QPSK	16QAM
	4.471	4.471

LTE band 4, 5MHz Bandwidth, QPSK (99% BW)



IF Overload
Date: 2.JAN.2003 10:27:54

LTE band 4, 5MHz Bandwidth,16QAM (99% BW)

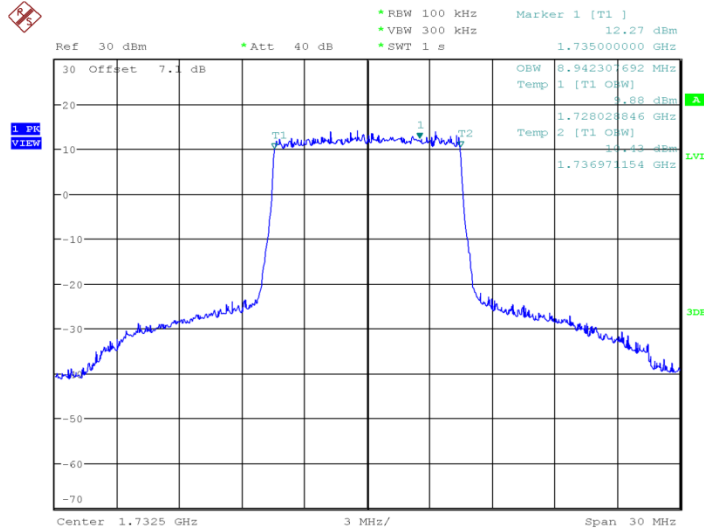


IF Overload
Date: 2.JAN.2003 10:28:22

LTE band 4, 10MHz (99%)

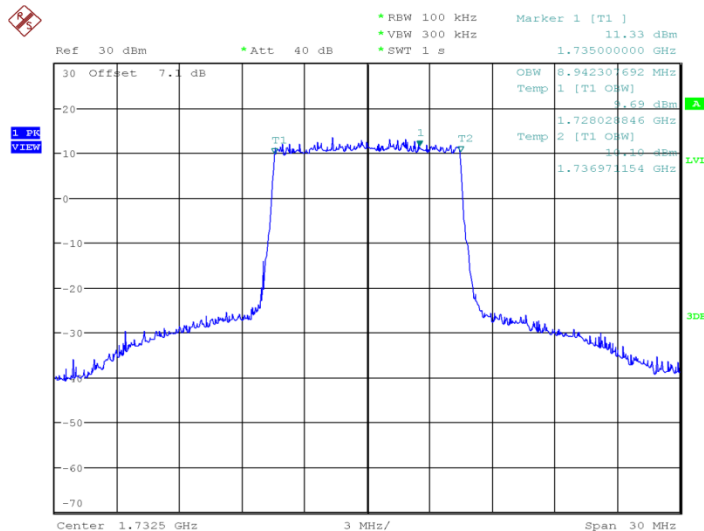
Frequency(MHz)	Occupied Bandwidth (99%)(MHz)	
	1732.5	QPSK
	8.942	8.942

LTE band 4, 10MHz Bandwidth, QPSK (99% BW)



IF Overload
Date: 2.JAN.2003 10:28:57

LTE band 4, 10MHz Bandwidth, 16QAM (99% BW)

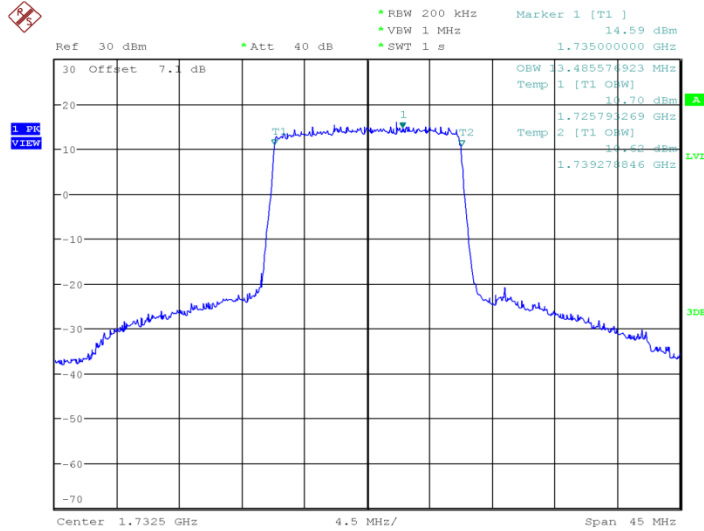


IF Overload
Date: 2.JAN.2003 10:29:24

LTE band 4, 15MHz (99%)

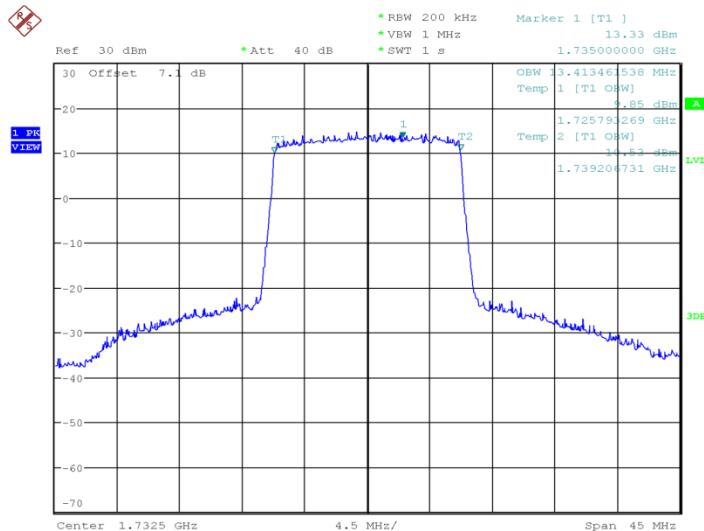
Frequency(MHz)	Occupied Bandwidth (99%)(MHz)	
	1732.5	QPSK
	13.486	13.413

LTE band 4, 15MHz Bandwidth, QPSK (99% BW)



IF Overload
Date: 2.JAN.2003 10:29:58

LTE band 4, 15MHz Bandwidth, 16QAM (99% BW)

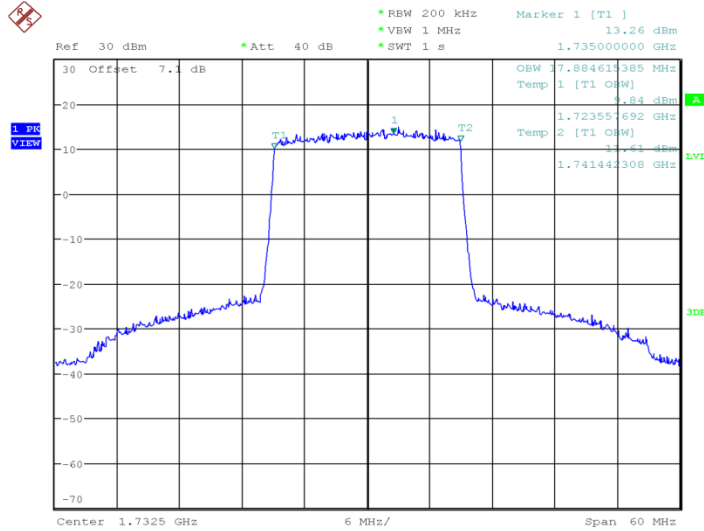


IF Overload
Date: 2.JAN.2003 10:30:25

LTE band 4, 20MHz (99%)

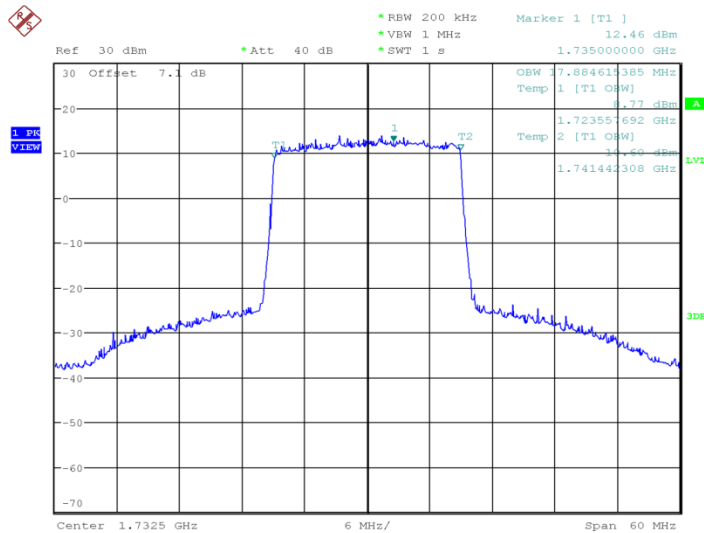
Frequency(MHz)	Occupied Bandwidth (99%)(MHz)	
	1732.5	QPSK
	17.885	17.885

LTE band 4, 20MHz Bandwidth, QPSK (99% BW)



IF Overload
Date: 2.JAN.2003 10:31:00

LTE band 4, 20MHz Bandwidth, 16QAM (99% BW)

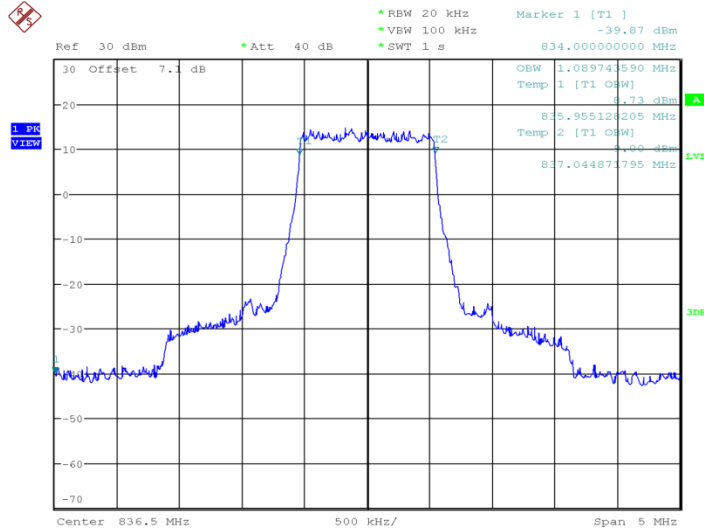


IF Overload
Date: 2.JAN.2003 10:31:26

LTE band 5, 1.4MHz (99%)

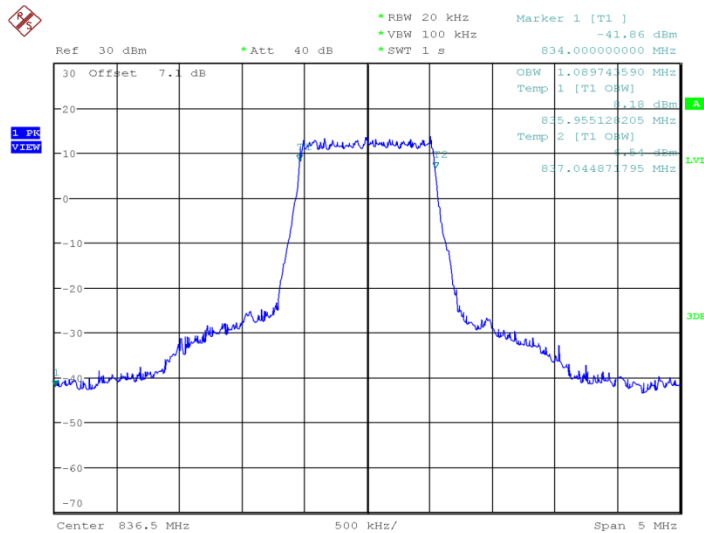
Frequency(MHz)	Occupied Bandwidth (99%)(MHz)	
	836.5	QPSK
	1.09	1.09

LTE band 5, 1.4MHz Bandwidth, QPSK (99% BW)



IF Overload
 Date: 2.JAN.2003 10:48:31

LTE band 5, 1.4MHz Bandwidth, 16QAM (99% BW)

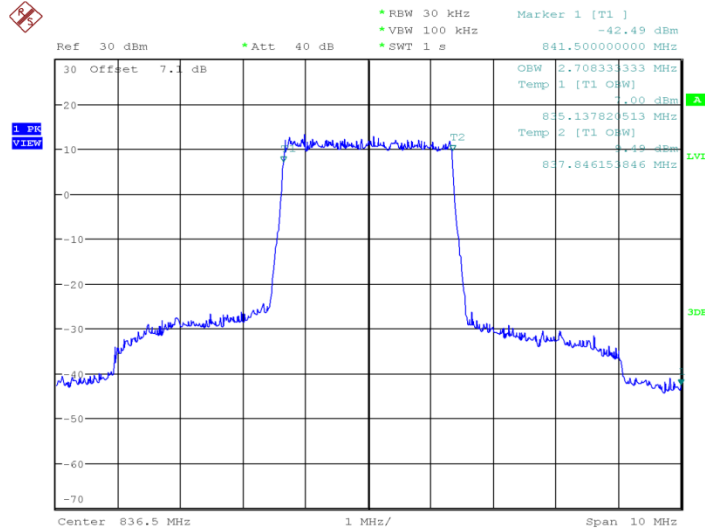


IF Overload
 Date: 2.JAN.2003 10:48:57

LTE band 5, 3MHz (99%)

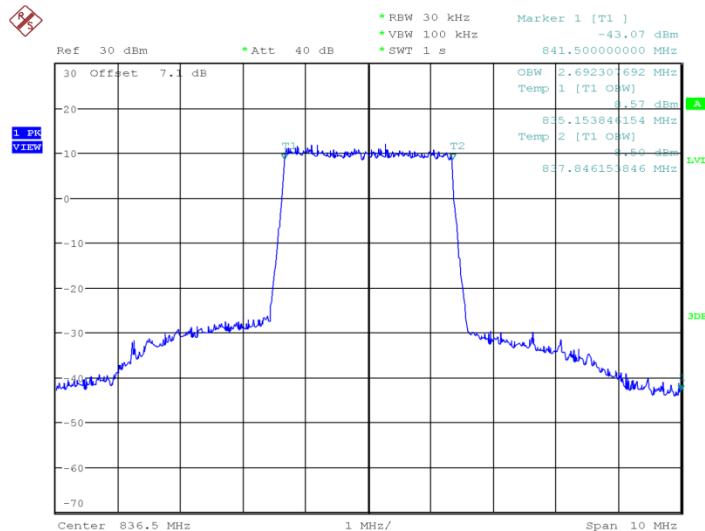
Frequency(MHz)	Occupied Bandwidth (99%)(MHz)	
	836.5	QPSK
	2.708	2.692

LTE band 5, 3MHz Bandwidth, QPSK (99% BW)



IF Overload
Date: 2.JAN.2003 10:35:09

LTE band 5, 3MHz Bandwidth, 16QAM (99% BW)

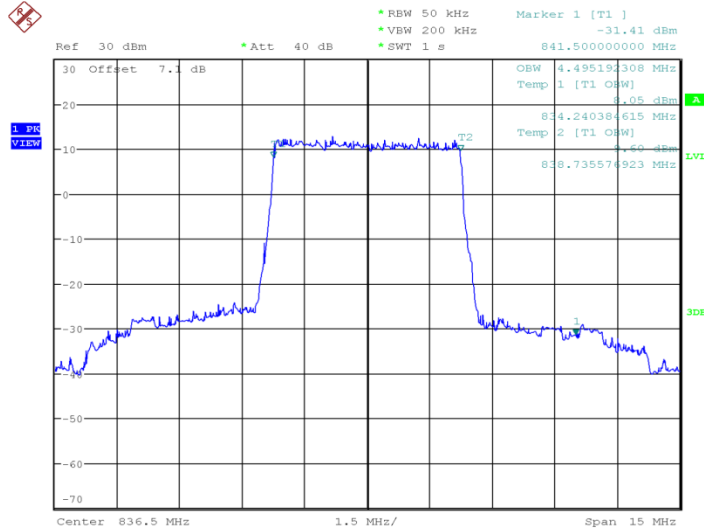


IF Overload
Date: 2.JAN.2003 10:35:35

LTE band 5, 5MHz (99%)

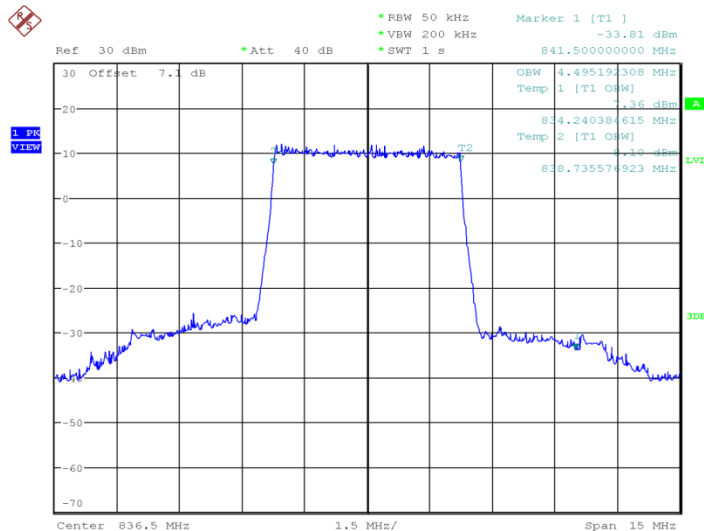
Frequency(MHz)	Occupied Bandwidth (99%)(MHz)	
	836.5	QPSK
4.495		4.495

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



IF Overload
Date: 2.JAN.2003 10:36:10

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

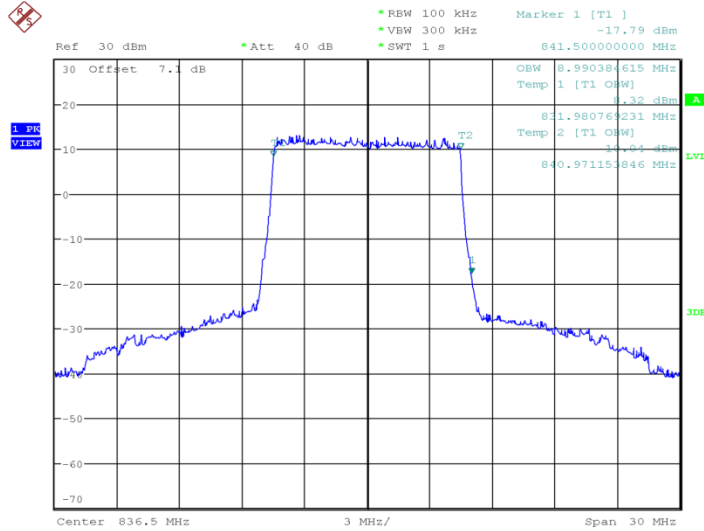


IF Overload
Date: 2.JAN.2003 10:36:38

LTE band 5, 10MHz (99%)

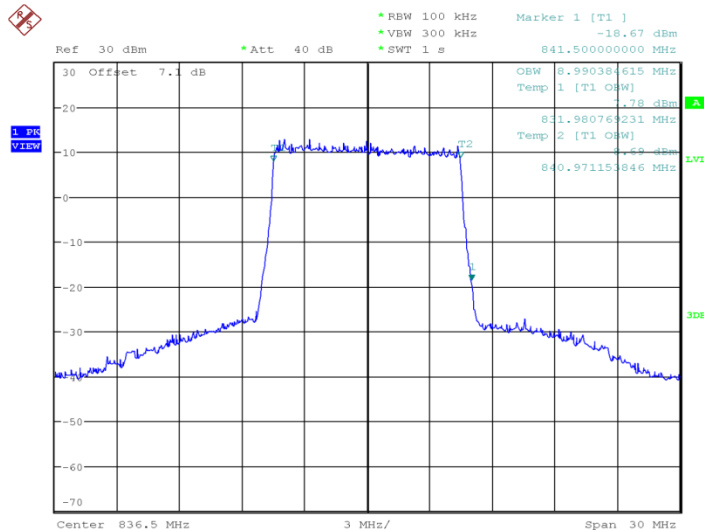
Frequency(MHz)	Occupied Bandwidth (99%)(MHz)	
	836.5	QPSK
	8.99	8.99

LTE band 5, 10MHz Bandwidth, QPSK (99% BW)



IF Overload
Date: 2.JAN.2003 10:37:12

LTE band 5, 10MHz Bandwidth, 16QAM (99% BW)

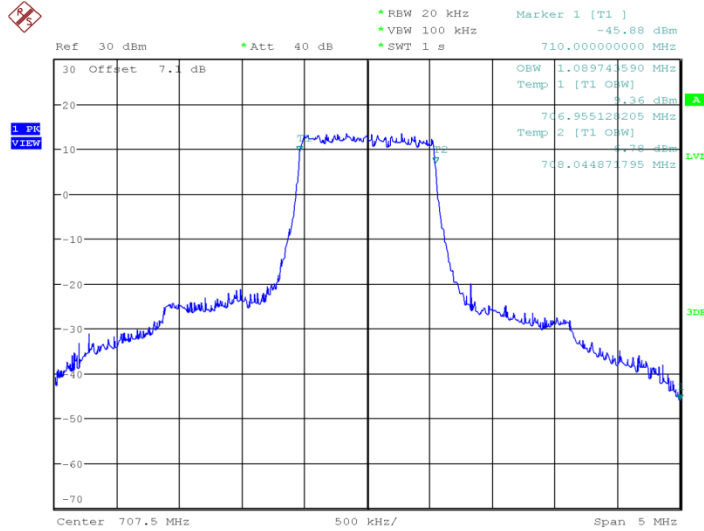


IF Overload
Date: 2.JAN.2003 10:37:40

LTE band 12, 1.4MHz (99%)

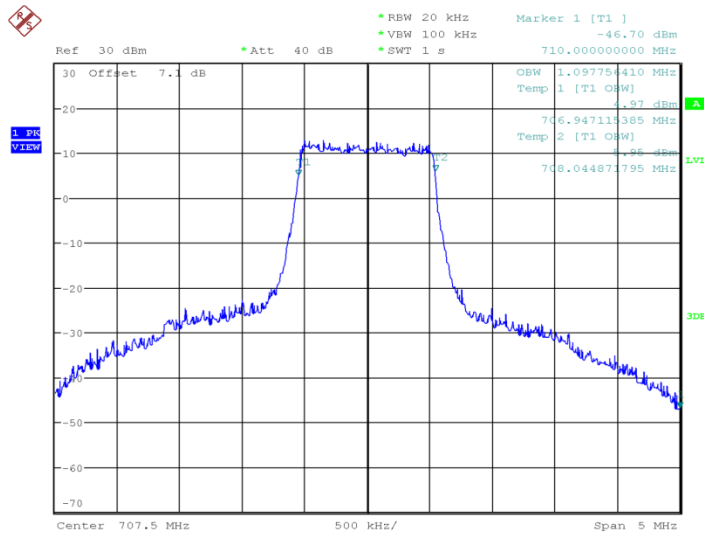
Frequency(MHz)	Occupied Bandwidth (99%)(MHz)	
	707.5	QPSK
	1.09	1.099

LTE band 12, 1.4MHz Bandwidth, QPSK (99% BW)



IF Overload
Date: 2.JAN.2003 10:38:14

LTE band 12, 1.4MHz Bandwidth, 16QAM (99% BW)

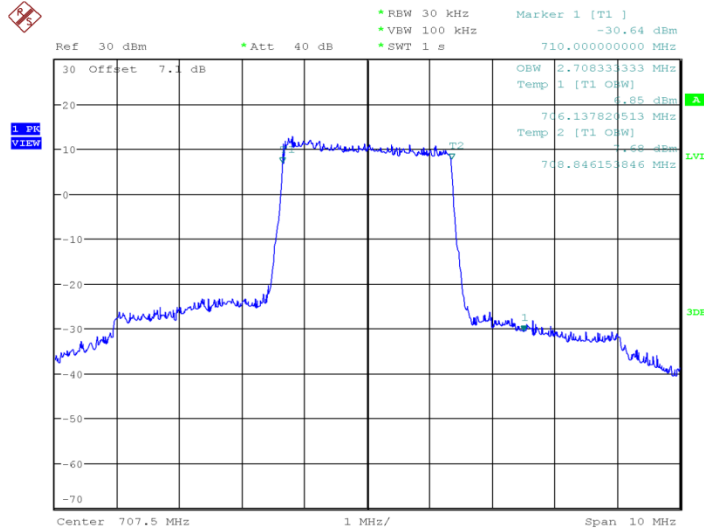


IF Overload
Date: 2.JAN.2003 10:38:41

LTE band 12, 3MHz (99%)

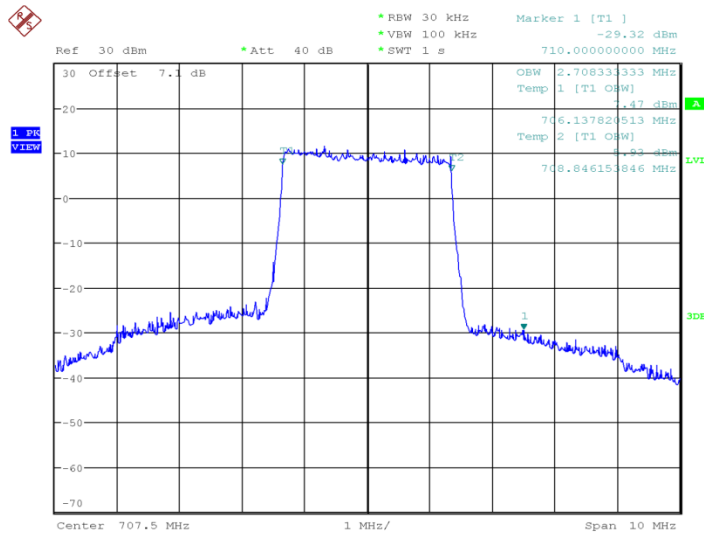
Frequency(MHz)	Occupied Bandwidth (99%)(MHz)	
707.5	QPSK	16QAM
	2.708	2.708

LTE band 12, 3MHz Bandwidth, QPSK (99% BW)



IF Overload
Date: 2.JAN.2003 10:39:15

LTE band 12, 3MHz Bandwidth, 16QAM (99% BW)

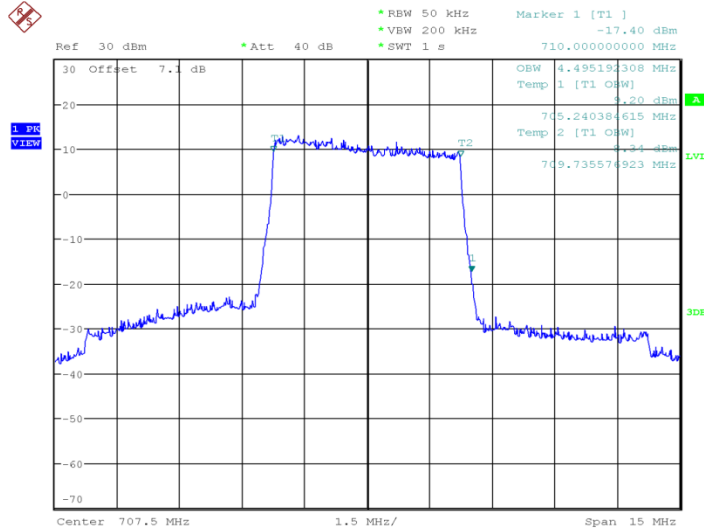


IF Overload
Date: 2.JAN.2003 10:39:43

LTE band 12, 5MHz (99%)

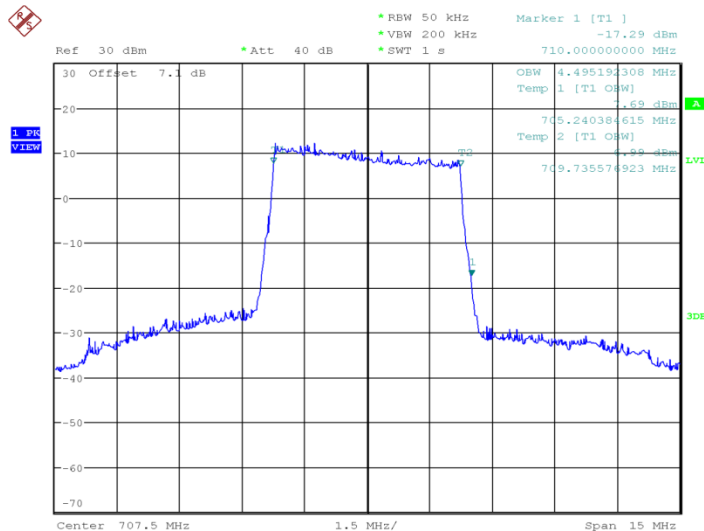
Frequency(MHz)	Occupied Bandwidth (99%)(MHz)	
707.5	QPSK	16QAM
	4.495	4.495

LTE band 12, 5MHz Bandwidth, QPSK (99% BW)



IF Overload
Date: 2.JAN.2003 10:40:32

LTE band 12, 5MHz Bandwidth, 16QAM (99% BW)

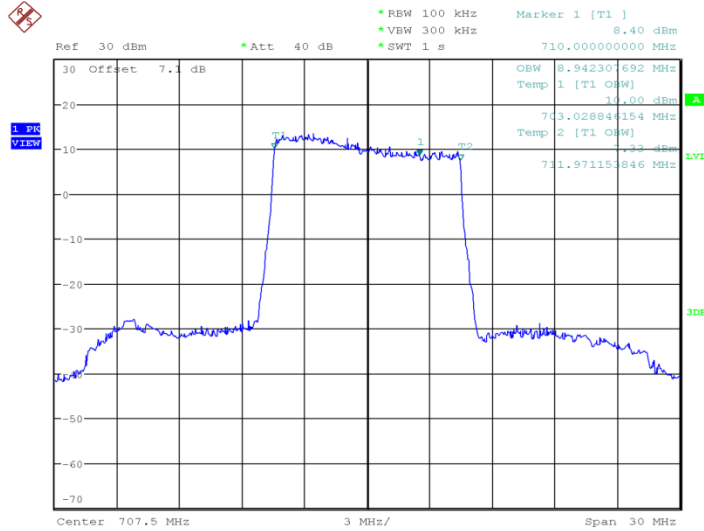


IF Overload
Date: 2.JAN.2003 10:41:00

LTE band 12, 10MHz (99%)

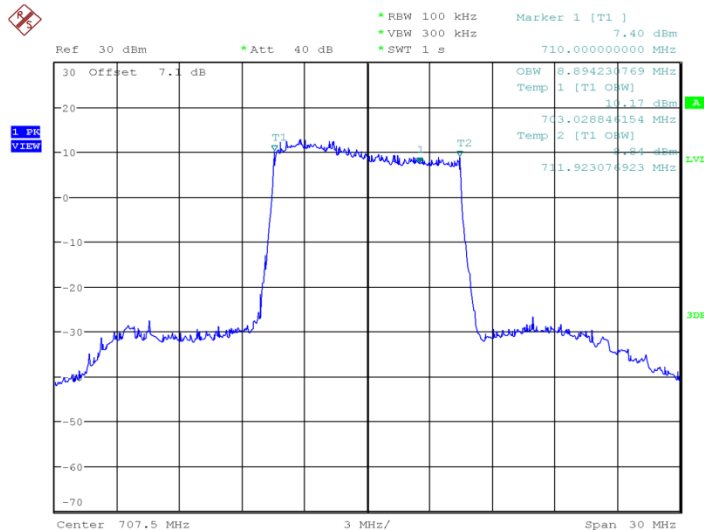
Frequency(MHz)	Occupied Bandwidth (99%)(MHz)	
707.5	QPSK	16QAM
	8.942	8.942

LTE band 12, 10MHz Bandwidth, QPSK (99% BW)



IF Overload
Date: 2.JAN.2003 10:41:34

LTE band 12, 10MHz Bandwidth, 16QAM (99% BW)

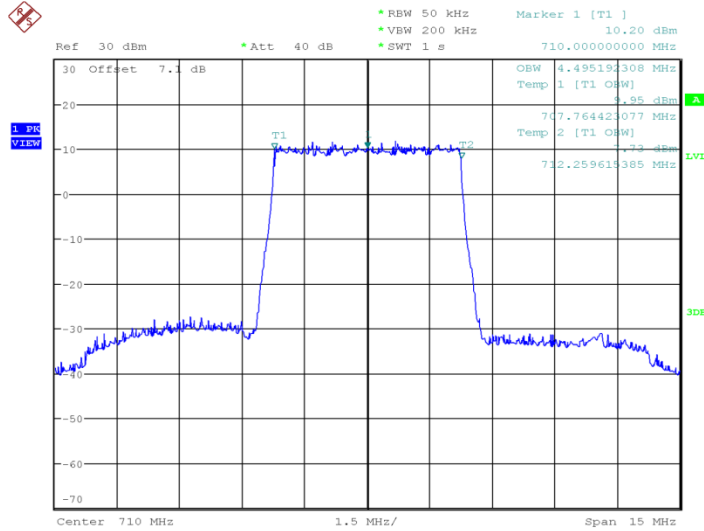


IF Overload
Date: 2.JAN.2003 10:42:00

LTE band 17, 5MHz (99%)

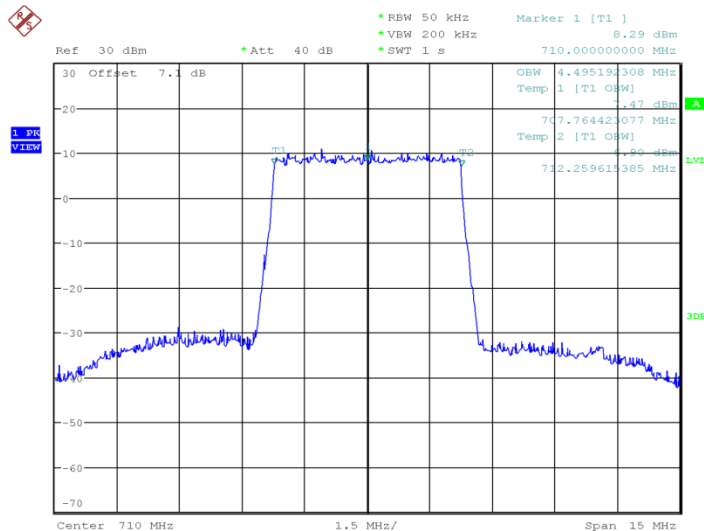
Frequency(MHz)	Occupied Bandwidth (99%)(MHz)	
	710.0	QPSK
4.495		4.495

LTE band 17, 5MHz Bandwidth, QPSK (99% BW)



IF Overload
Date: 2.JAN.2003 10:42:36

LTE band 17, 5MHz Bandwidth, 16QAM (99% BW)

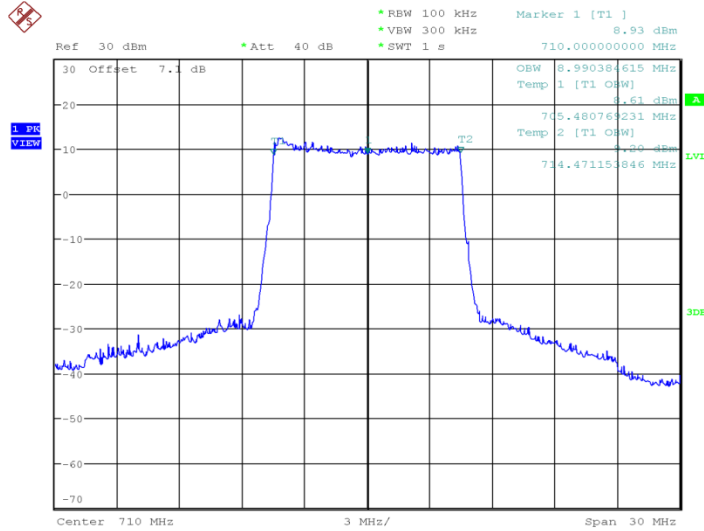


IF Overload
Date: 2.JAN.2003 10:43:04

LTE band 17, 10MHz (99%)

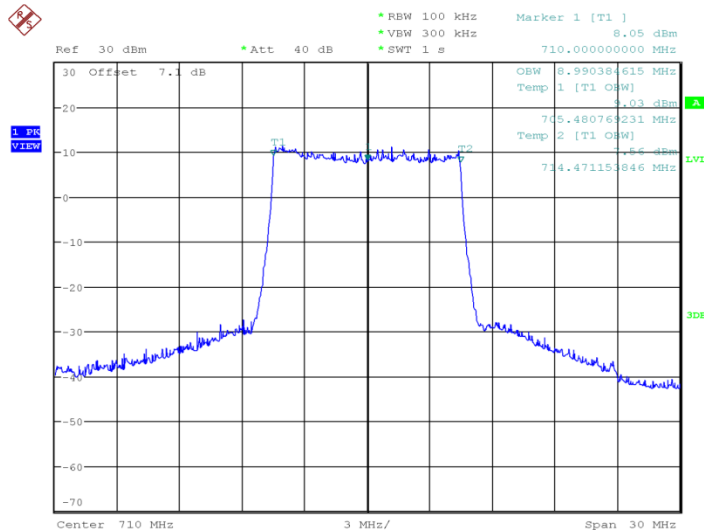
Frequency(MHz)	Occupied Bandwidth (99%)(MHz)	
710.0	QPSK	16QAM
	8.99	8.99

LTE band 17, 10MHz Bandwidth, QPSK (99% BW)



IF Overload
Date: 2.JAN.2003 10:43:39

LTE band 17, 10MHz Bandwidth, 16QAM (99% BW)



IF Overload
Date: 2.JAN.2003 10:44:05

ANNEX A.5. EMISSION BANDWIDTH

Reference

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

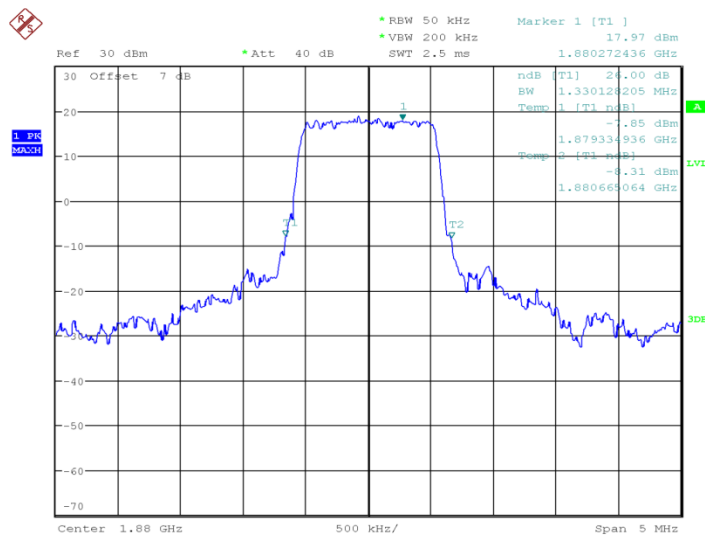
A.5.1 Emission Bandwidth Results

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)

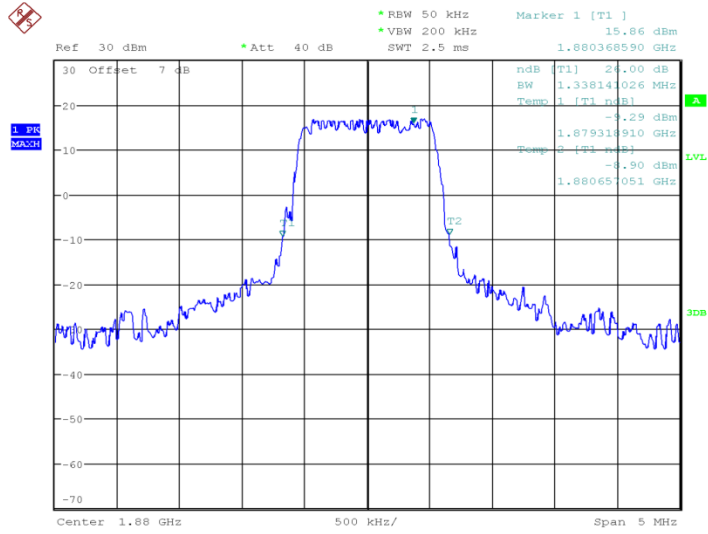
Frequency(MHz)	Occupied Bandwidth (-26dBc)(kHz)	
1880.0	QPSK	16QAM
	1330.1	1338.1

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



IF Overload
Date: 3.JAN.2003 03:22:39

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

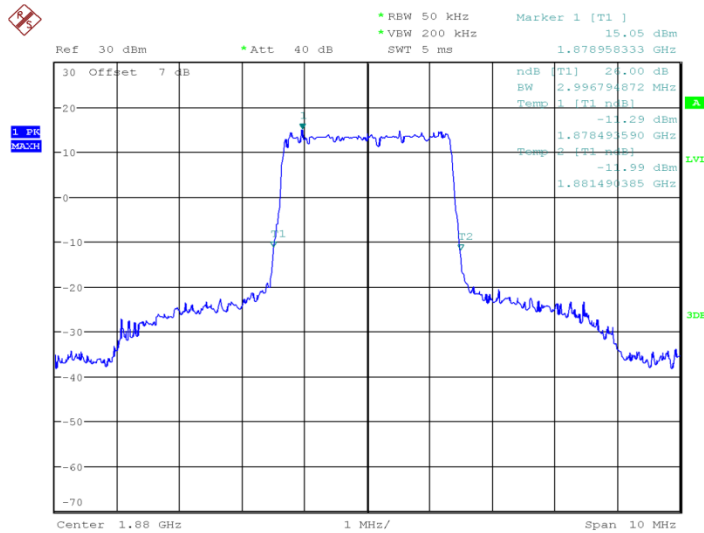


IF Overload
 Date: 3.JAN.2003 03:22:52

LTE band 2, 3MHz (-26dBc)

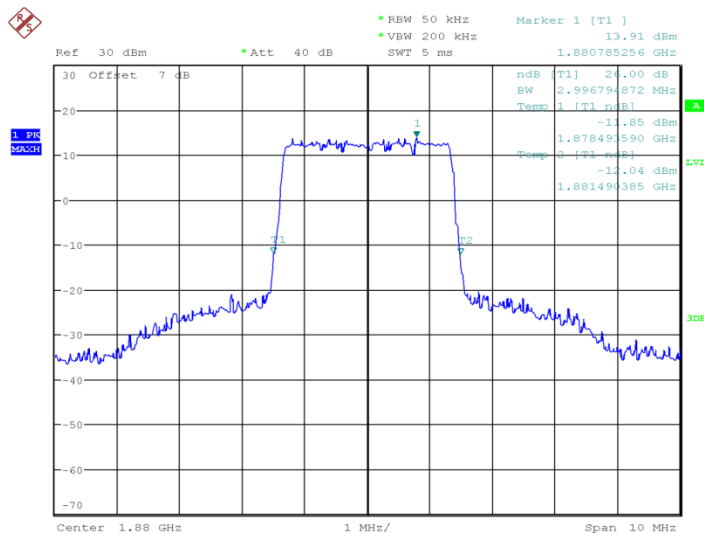
Frequency(MHz)	Occupied Bandwidth (-26dBc)(kHz)	
	1880.0	QPSK
2996.8		2996.8

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



IF Overload
Date: 3.JAN.2003 03:23:25

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

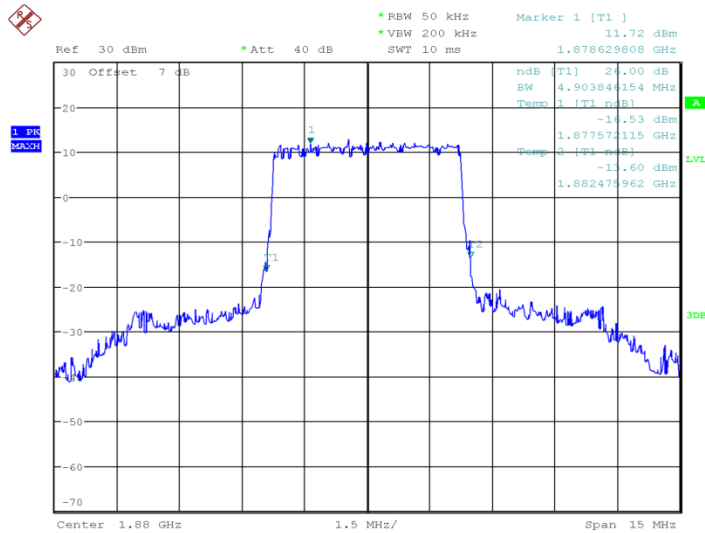


IF Overload
Date: 3.JAN.2003 03:23:38

LTE band 2, 5MHz (-26dBc)

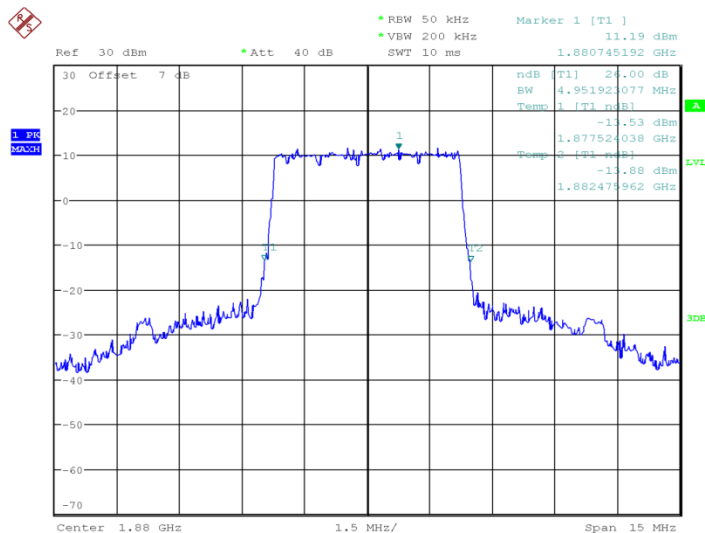
Frequency(MHz)	Occupied Bandwidth (-26dBc)(kHz)	
	1880.0	QPSK
4903.8		4951.9

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



IF Overload
Date: 3.JAN.2003 03:24:12

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

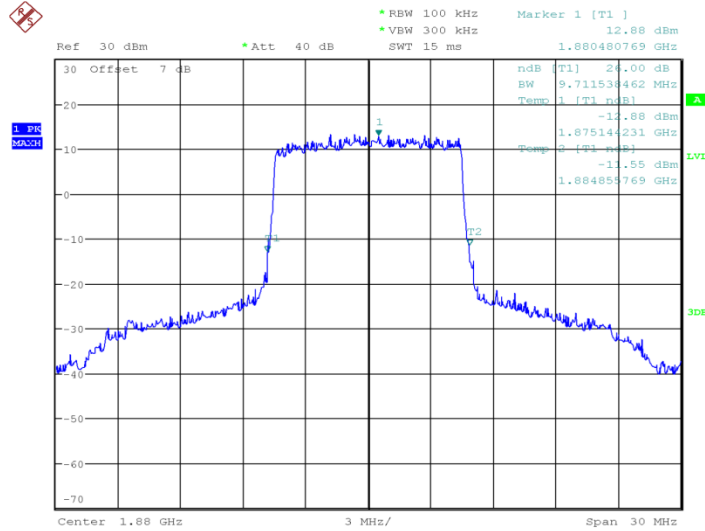


IF Overload
Date: 3.JAN.2003 03:24:25

LTE band 2, 10MHz (-26dBc)

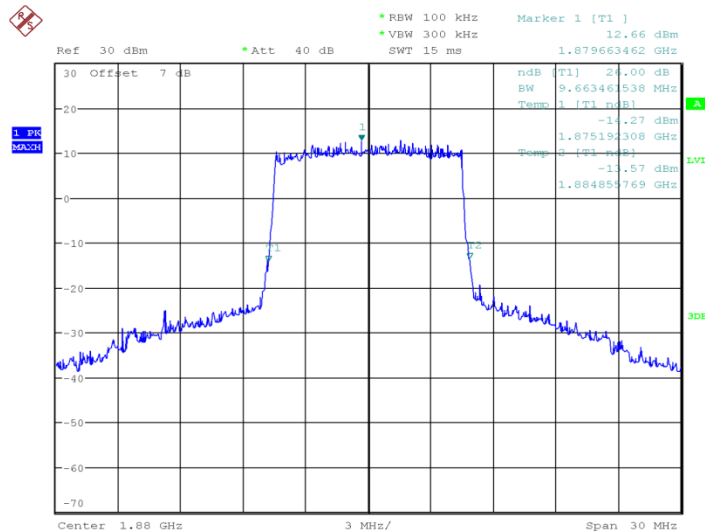
Frequency(MHz)	Occupied Bandwidth (-26dBc)(kHz)	
	1880.0	QPSK
9711.5		9663.5

LTE band 2, 10MHz Bandwidth, QPSK (-26dBc BW)



IF Overload
 Date: 3.JAN.2003 03:24:58

LTE band 2, 10MHz Bandwidth, 16QAM (-26dBc BW)

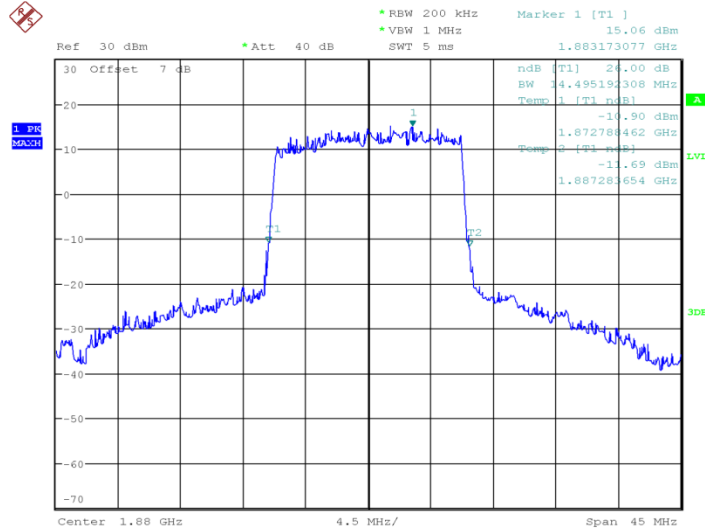


IF Overload
 Date: 3.JAN.2003 03:25:10

LTE band 2, 15MHz (-26dBc)

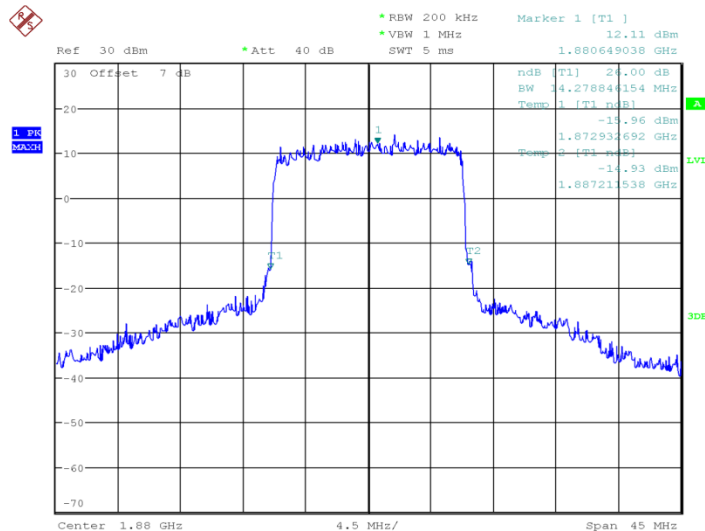
Frequency(MHz)	Occupied Bandwidth (-26dBc)(kHz)	
	1880.0	QPSK
	14495.2	14278.8

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



IF Overload
Date: 3.JAN.2003 03:25:44

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

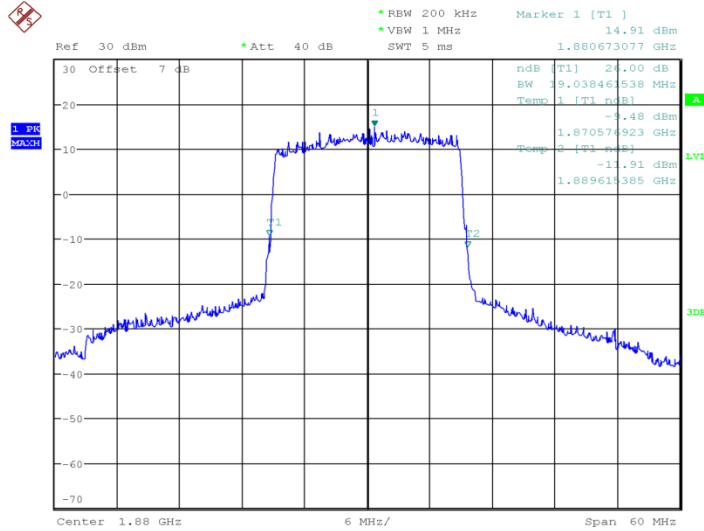


IF Overload
Date: 3.JAN.2003 03:25:56

LTE band 2, 20MHz (-26dBc)

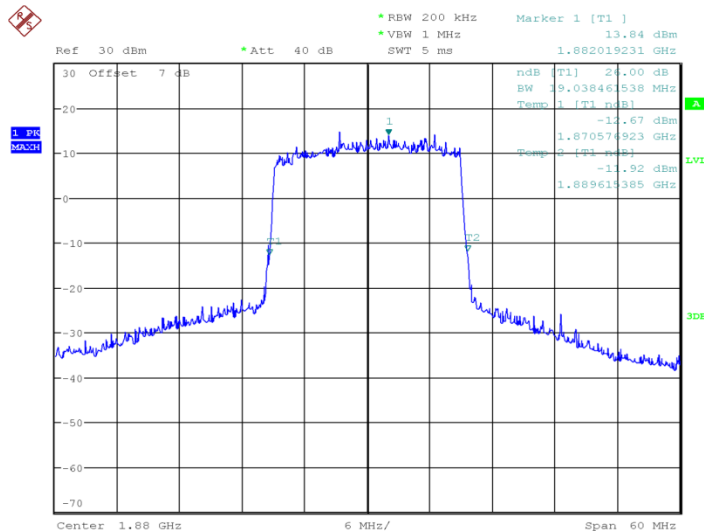
Frequency(MHz)	Occupied Bandwidth (-26dBc)(kHz)	
	1880.0	QPSK
19038.5		19038.5

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



IF Overload
Date: 3.JAN.2003 03:26:29

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

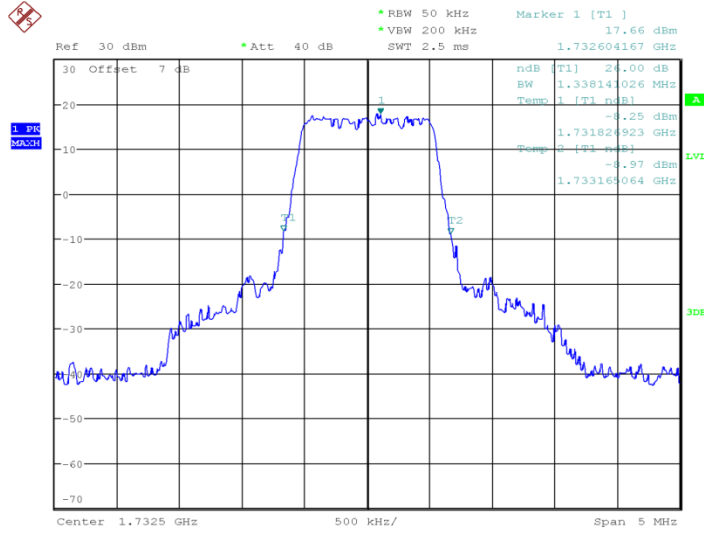


IF Overload
Date: 3.JAN.2003 03:26:41

LTE band 4, 1.4MHz (-26dBc)

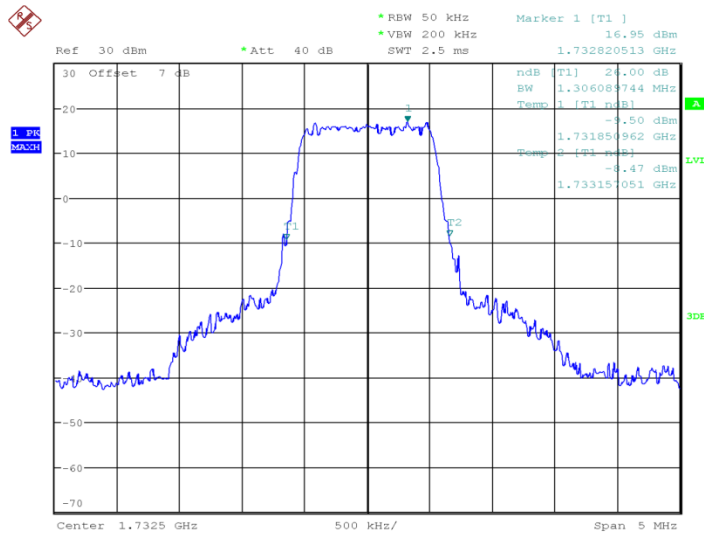
Frequency(MHz)	Occupied Bandwidth (-26dBc)(kHz)	
	1732.5	QPSK
1338.1		1306.1

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



IF Overload
Date: 3.JAN.2003 03:27:02

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

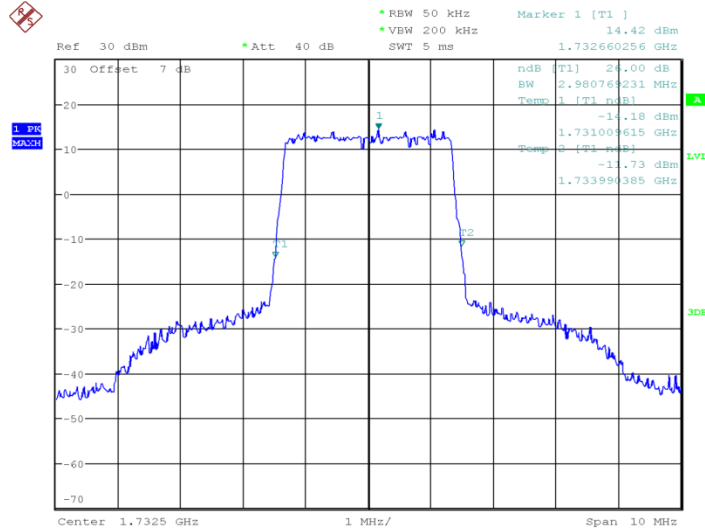


IF Overload
Date: 3.JAN.2003 03:27:16

LTE band 4, 3MHz (-26dBc)

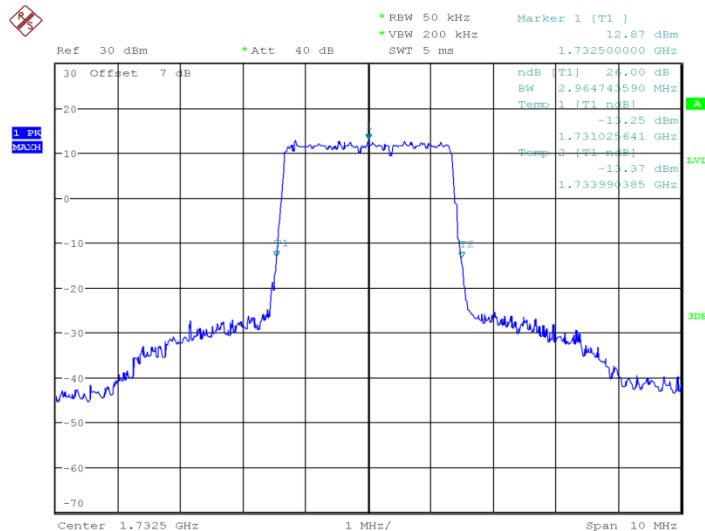
Frequency(MHz)	Occupied Bandwidth (-26dBc)(kHz)	
	1732.5	QPSK
	2980.8	2964.7

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



IF Overload
Date: 3.JAN.2003 03:27:36

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

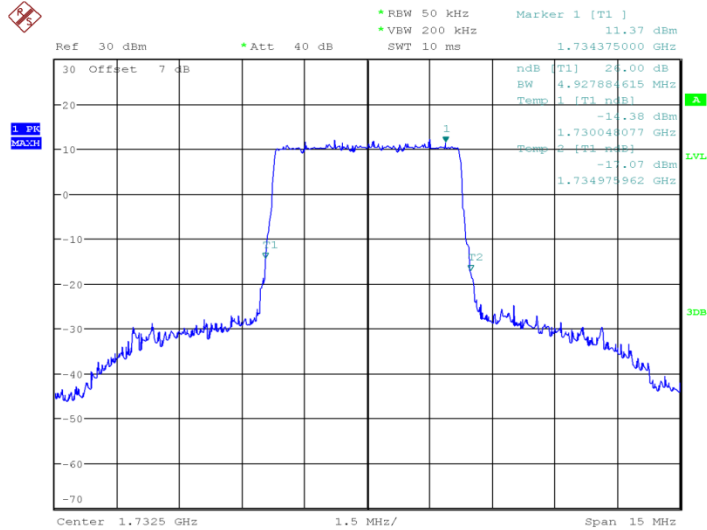


IF Overload
Date: 3.JAN.2003 03:27:49

LTE band 4, 5MHz (-26dBc)

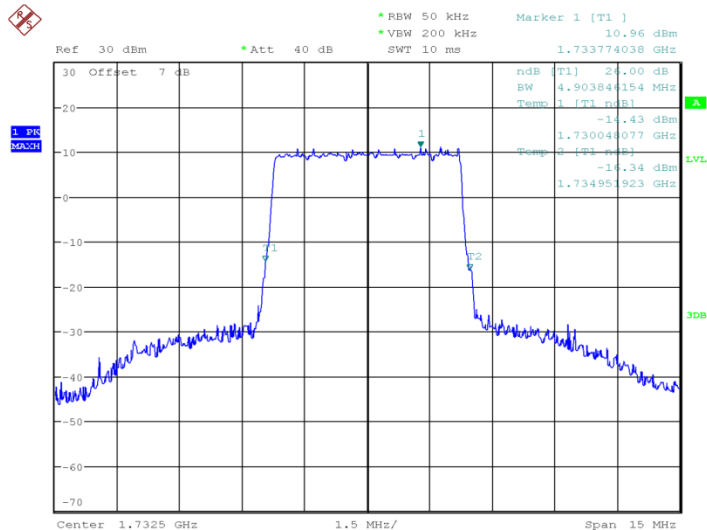
Frequency(MHz)	Occupied Bandwidth (-26dBc)(kHz)	
	1732.5	QPSK
	4927.9	4903.8

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



IF Overload
Date: 3.JAN.2003 03:28:09

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

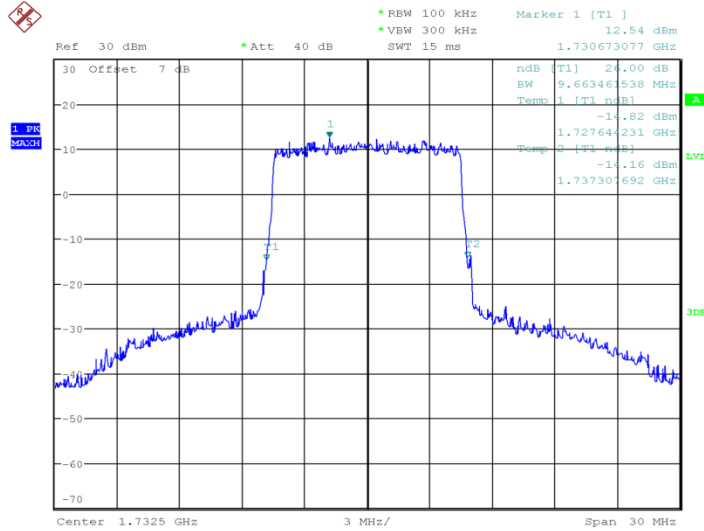


IF Overload
Date: 3.JAN.2003 03:28:22

LTE band 4, 10MHz (-26dBc)

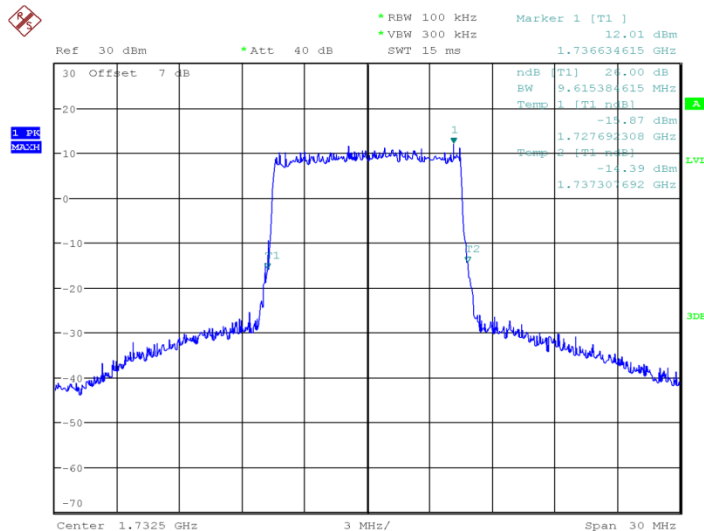
Frequency(MHz)	Occupied Bandwidth (-26dBc)(kHz)	
	1732.5	QPSK
9663.5		9615.4

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



IF Overload
Date: 3.JAN.2003 03:28:42

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

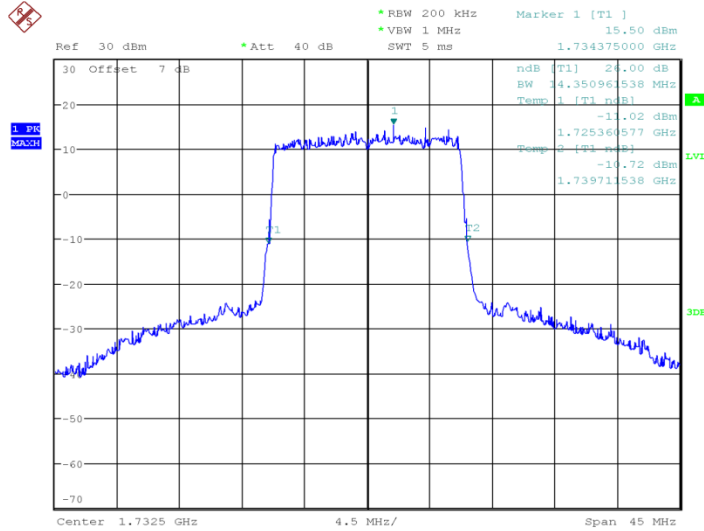


IF Overload
Date: 3.JAN.2003 03:28:55

LTE band 4, 15MHz (-26dBc)

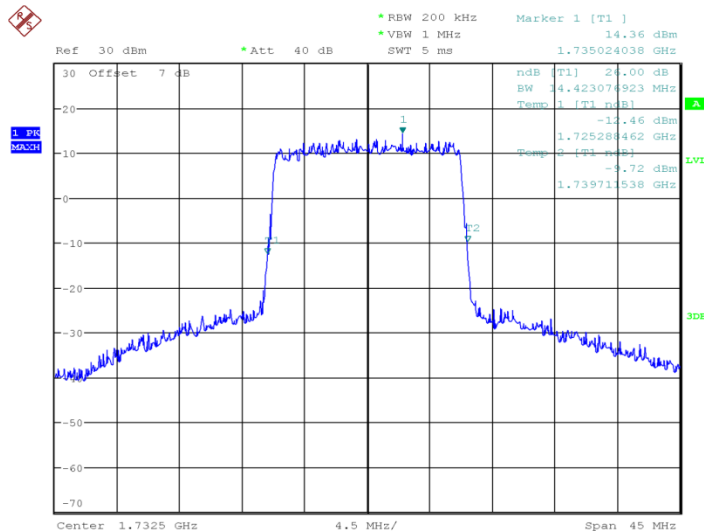
Frequency(MHz)	Occupied Bandwidth (-26dBc)(kHz)	
	1732.5	QPSK
14351.0		14423.1

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



IF Overload
Date: 3.JAN.2003 03:29:15

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



IF Overload
Date: 3.JAN.2003 03:29:27