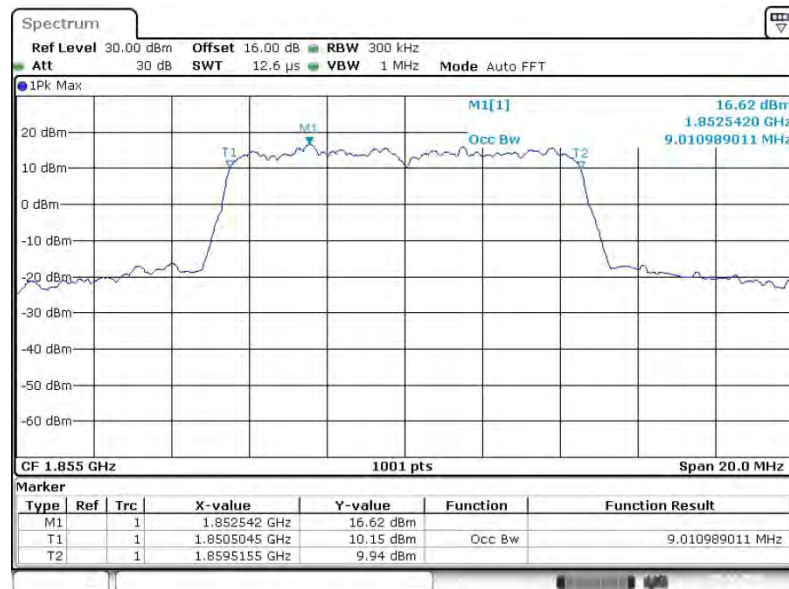


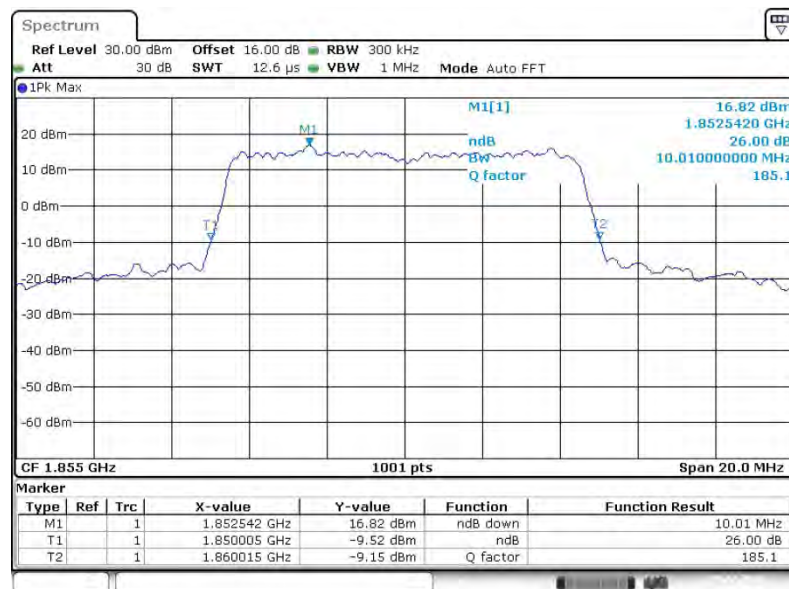
Band :	LTE Band 2	BW / Mod. :	10MHz / 16QAM
--------	------------	-------------	---------------

99% Occupied Bandwidth Plot on Channel 18650

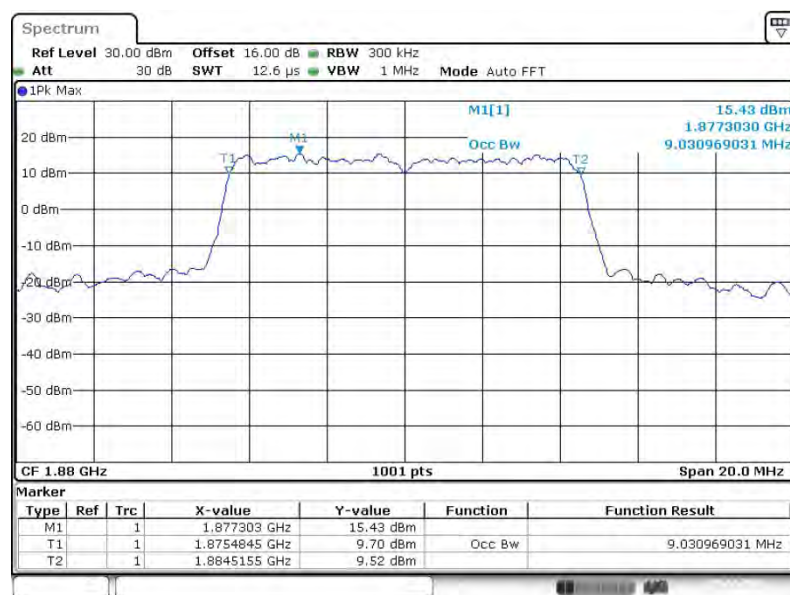


Date: 9 DEC 2014 16:24:05

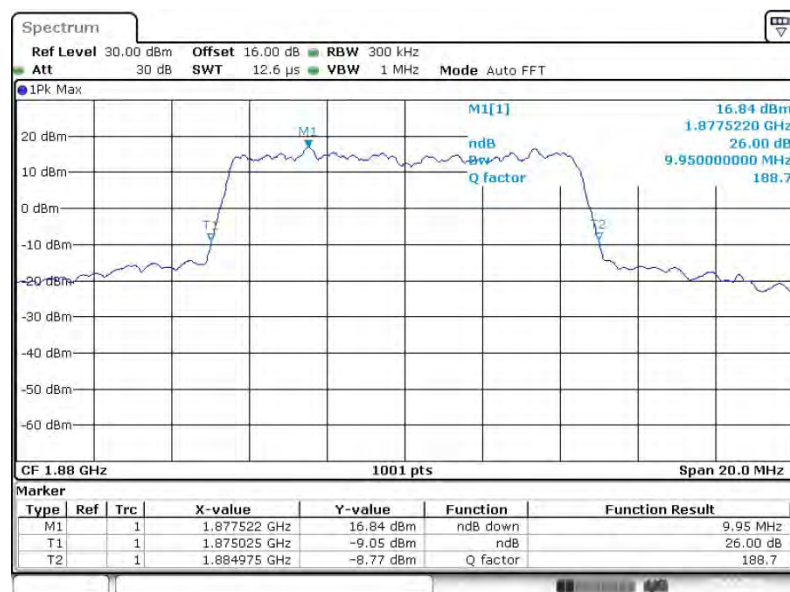
26dB Bandwidth Plot on Channel 18650



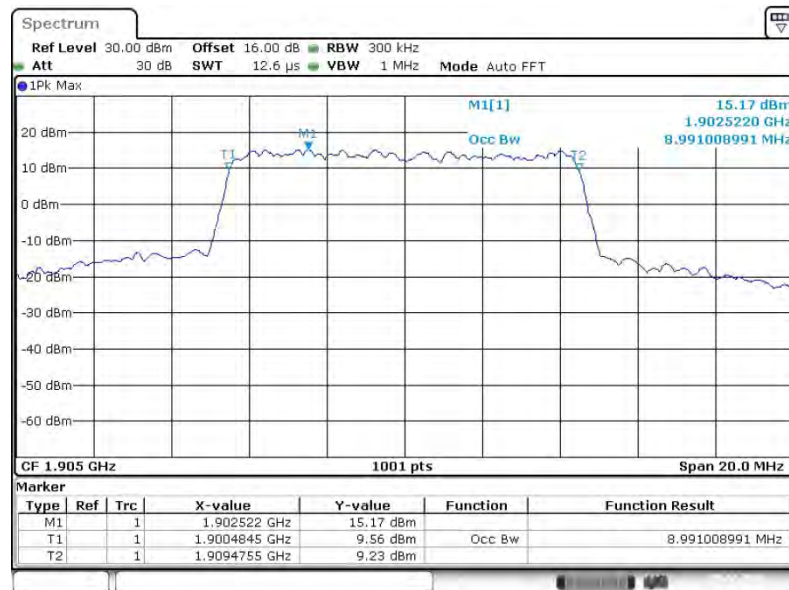
Date: 9 DEC 2014 16:24:30

99% Occupied Bandwidth Plot on Channel 18900


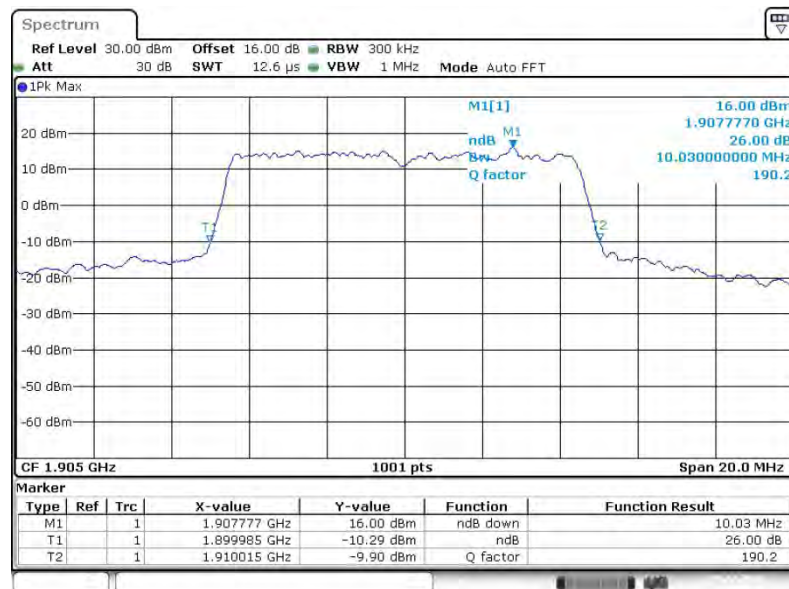
Date: 9 DEC 2014 16:31:41

26dB Bandwidth Plot on Channel 18900


Date: 9 DEC 2014 16:32:06

99% Occupied Bandwidth Plot on Channel 19150


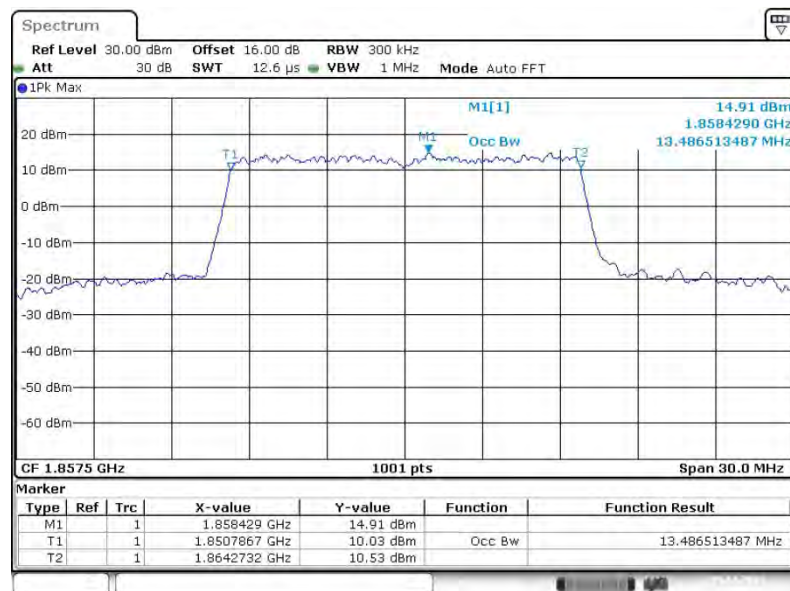
Date: 9 DEC 2014 16:34:44

26dB Bandwidth Plot on Channel 19150


Date: 9 DEC 2014 16:35:09

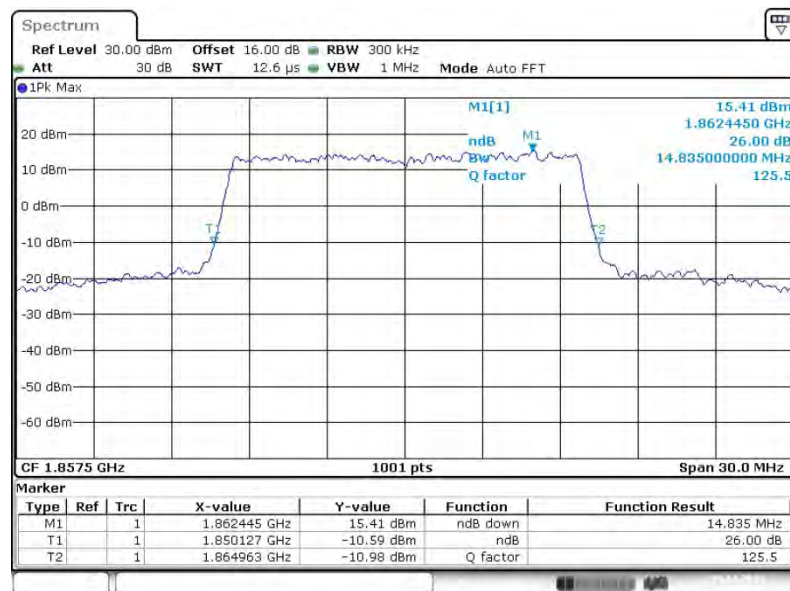
Band :	LTE Band 2	BW / Mod. :	15MHz / QPSK
--------	------------	-------------	--------------

99% Occupied Bandwidth Plot on Channel 18675

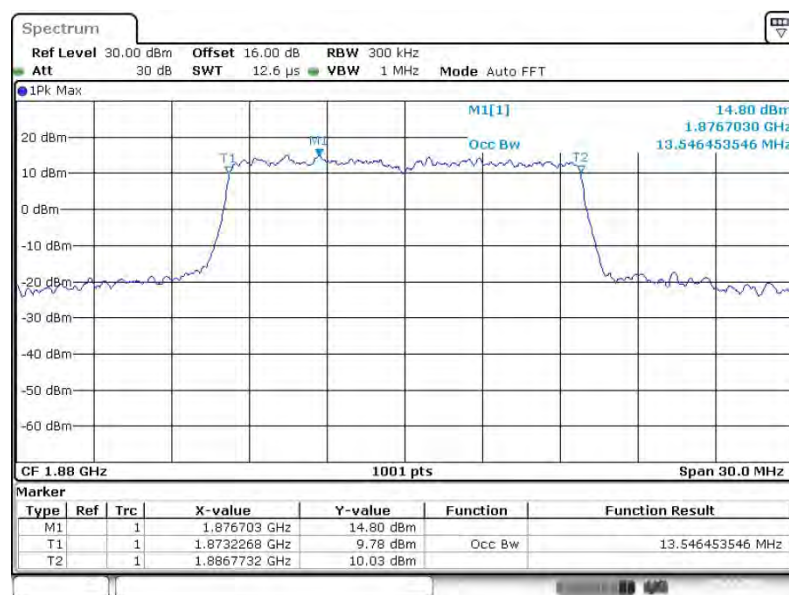


Date: 9 DEC 2014 16:42:09

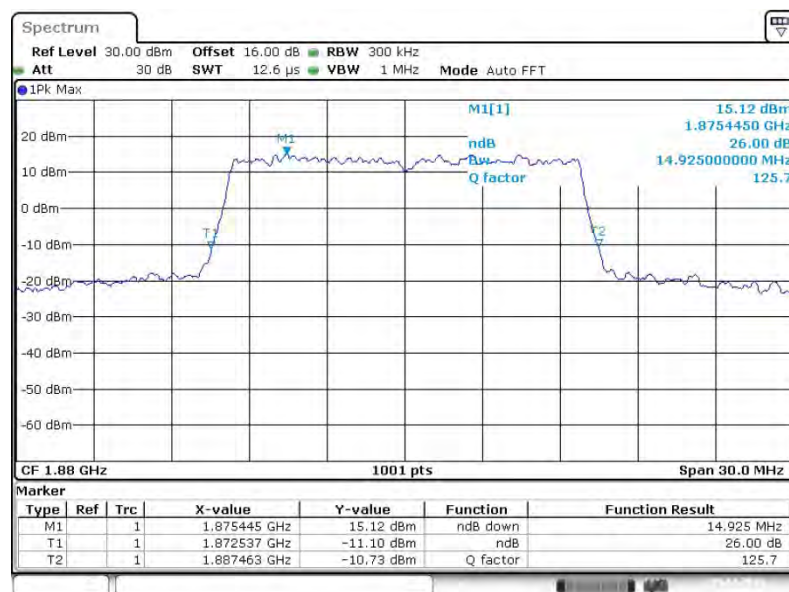
26dB Bandwidth Plot on Channel 18675



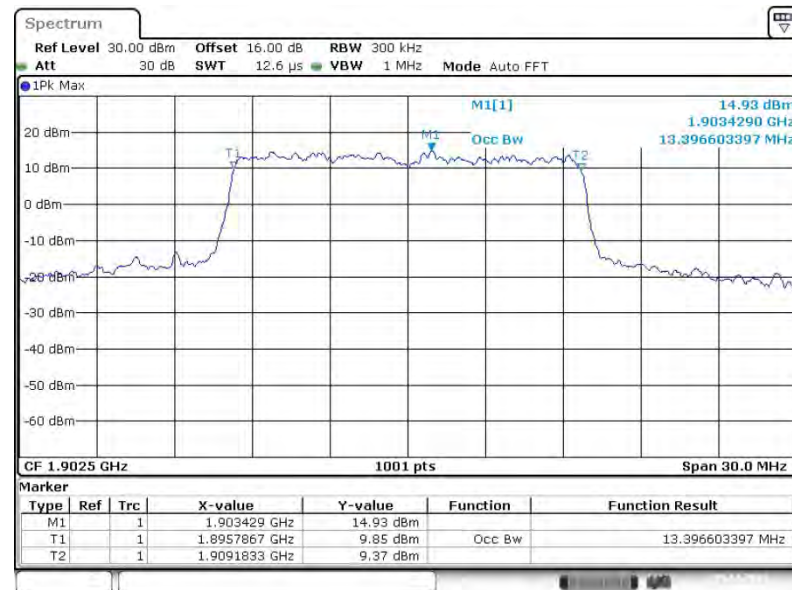
Date: 9 DEC 2014 16:42:32

99% Occupied Bandwidth Plot on Channel 18900


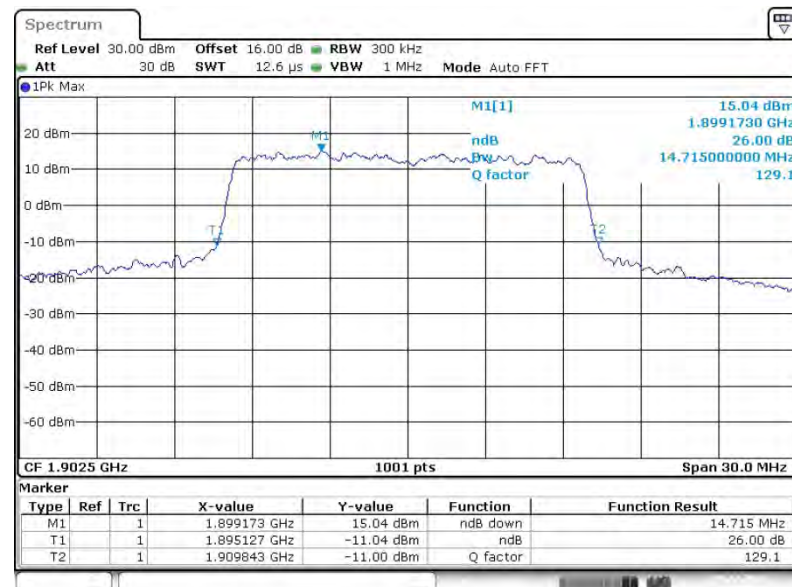
Date: 9 DEC 2014 16:49:45

26dB Bandwidth Plot on Channel 18900


Date: 9 DEC 2014 16:50:08

99% Occupied Bandwidth Plot on Channel 19125


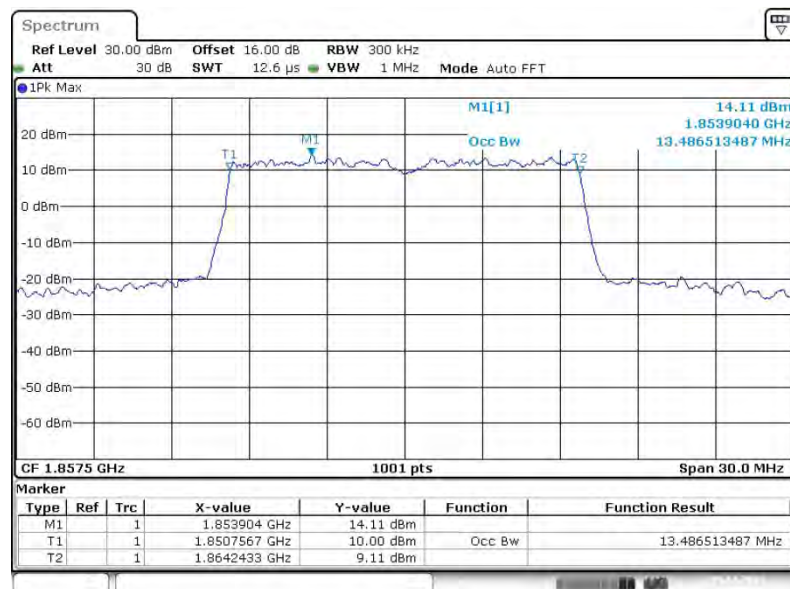
Date: 9 DEC 2014 16:52:48

26dB Bandwidth Plot on Channel 19125


Date: 9 DEC 2014 16:53:11

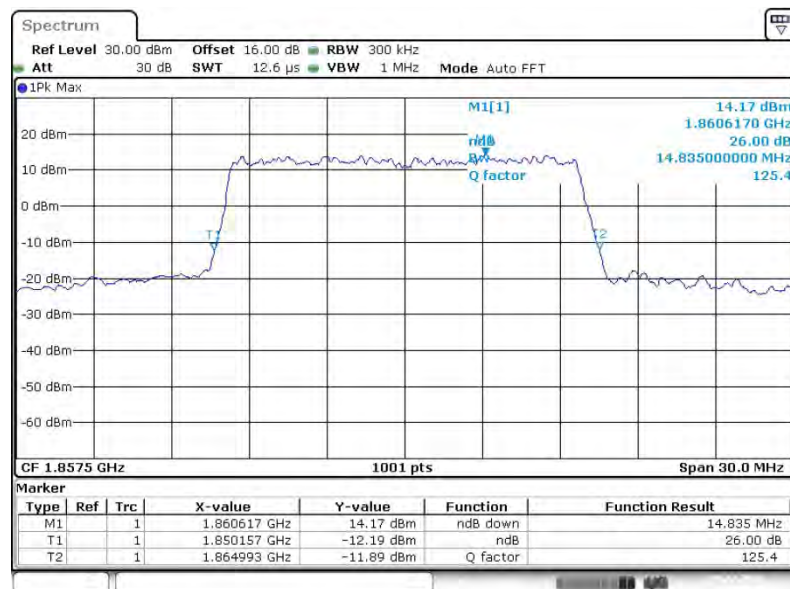
Band :	LTE Band 2	BW / Mod. :	15MHz / 16QAM
--------	------------	-------------	---------------

99% Occupied Bandwidth Plot on Channel 18675



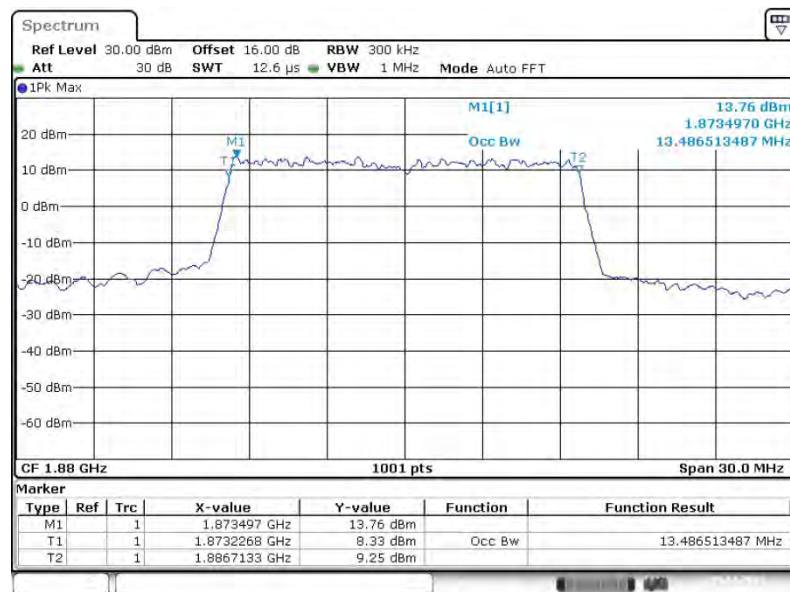
Date: 9 DEC 2014 16:42:19

26dB Bandwidth Plot on Channel 18675



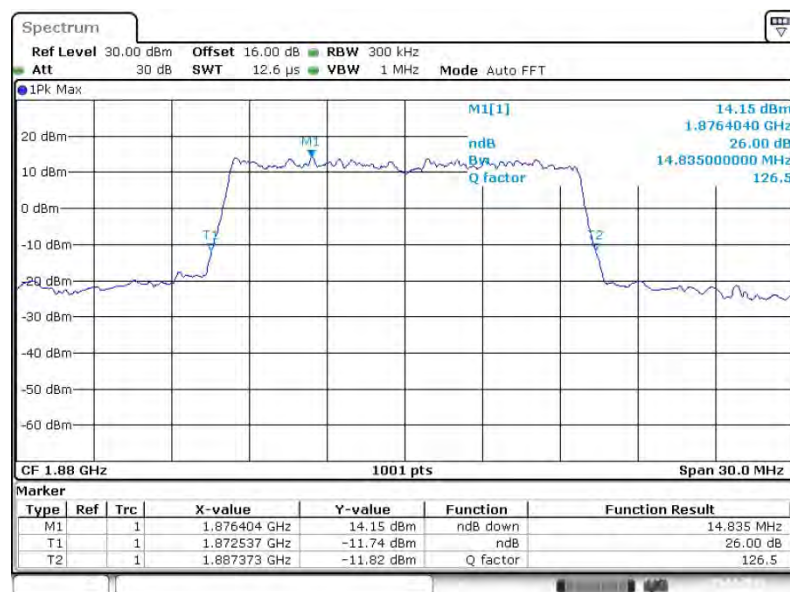
Date: 9 DEC 2014 16:42:44

99% Occupied Bandwidth Plot on Channel 18900



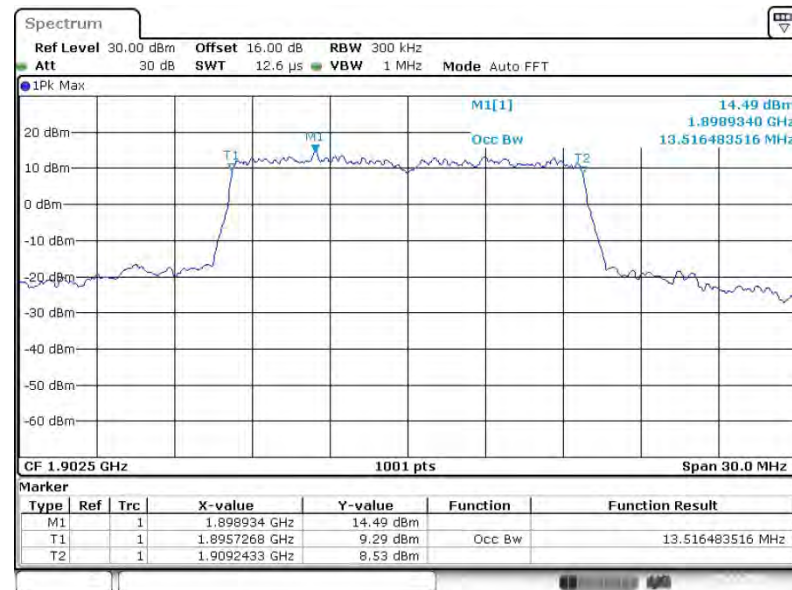
Date: 9 DEC 2014 16:49:55

26dB Bandwidth Plot on Channel 18900



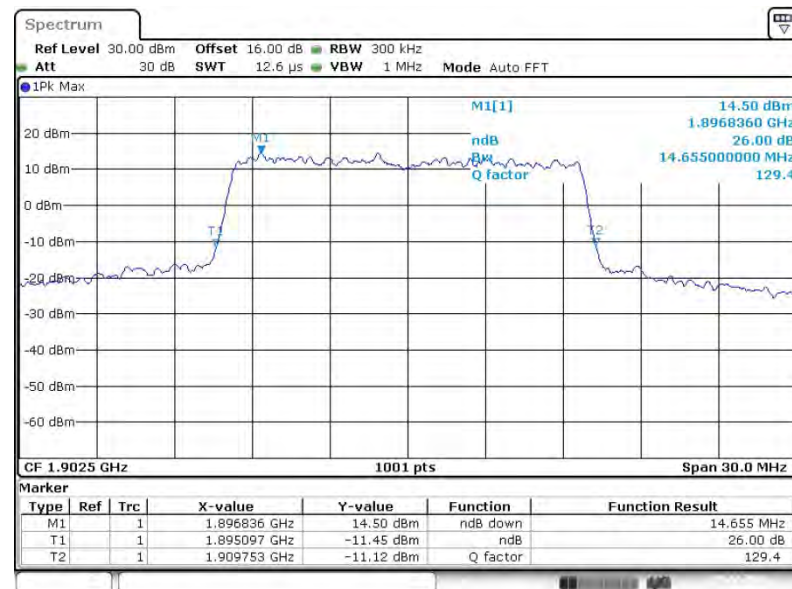
Date: 9 DEC 2014 16:50:20

99% Occupied Bandwidth Plot on Channel 19125



Date: 9 DEC 2014 16:52:58

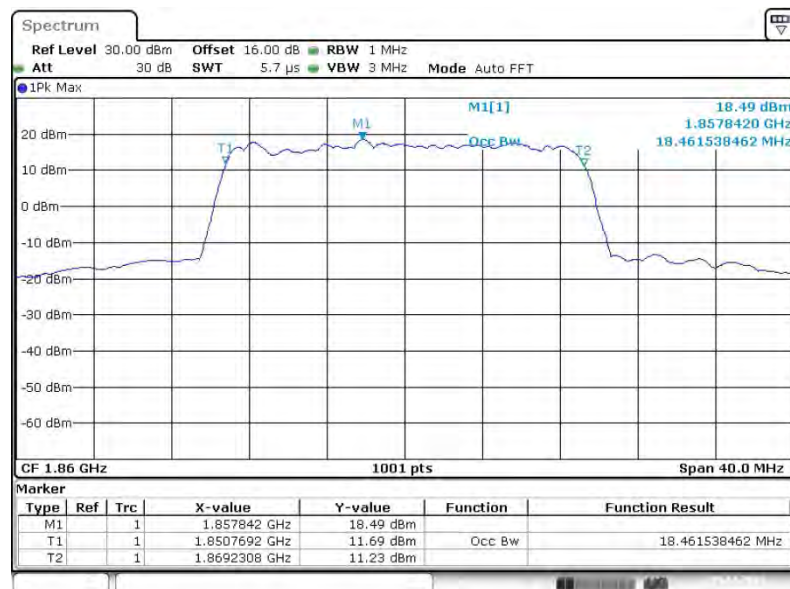
26dB Bandwidth Plot on Channel 19125



Date: 9 DEC 2014 16:53:23

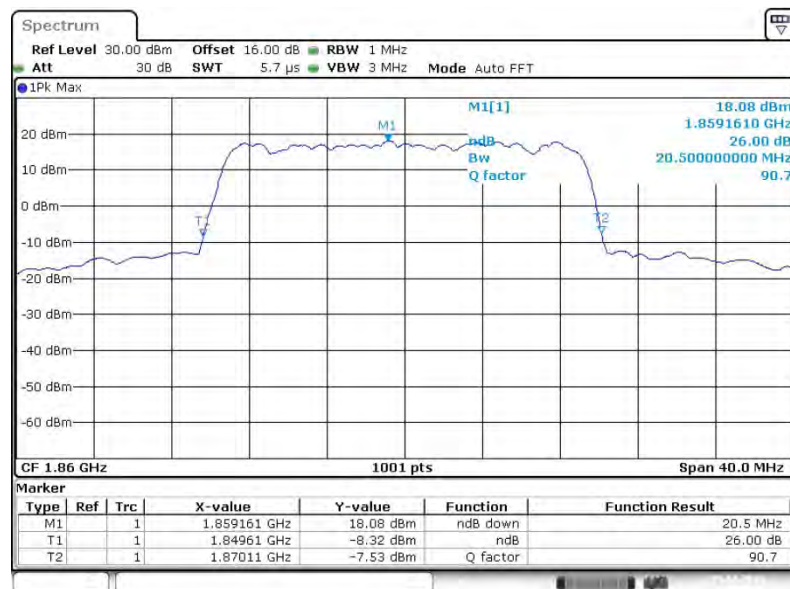
Band :	LTE Band 2	BW / Mod. :	20MHz / QPSK
--------	------------	-------------	--------------

99% Occupied Bandwidth Plot on Channel 18700



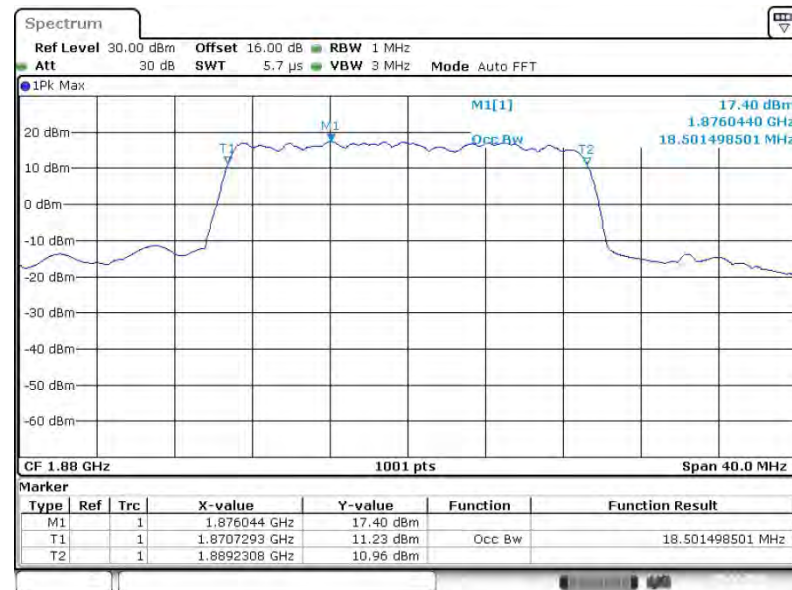
Date: 9 DEC 2014 17:00:23

26dB Bandwidth Plot on Channel 18700



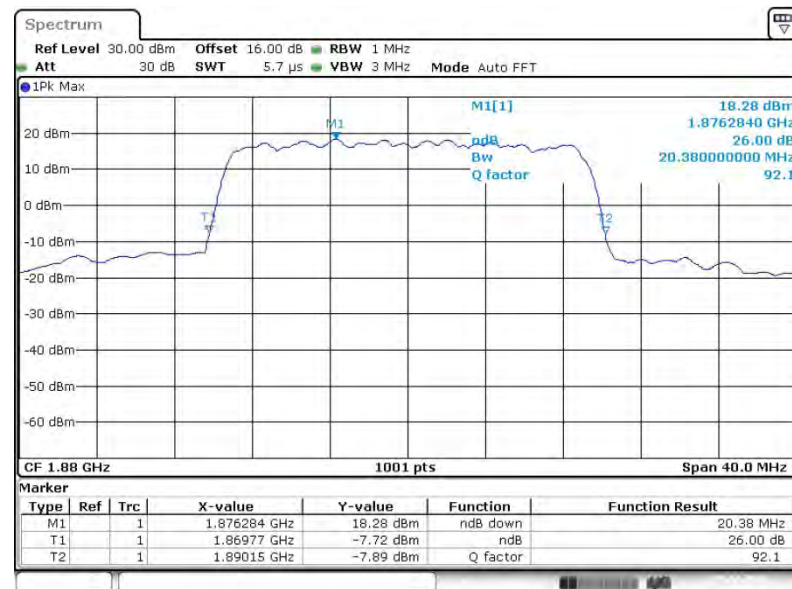
Date: 9 DEC 2014 17:00:46

99% Occupied Bandwidth Plot on Channel 18900



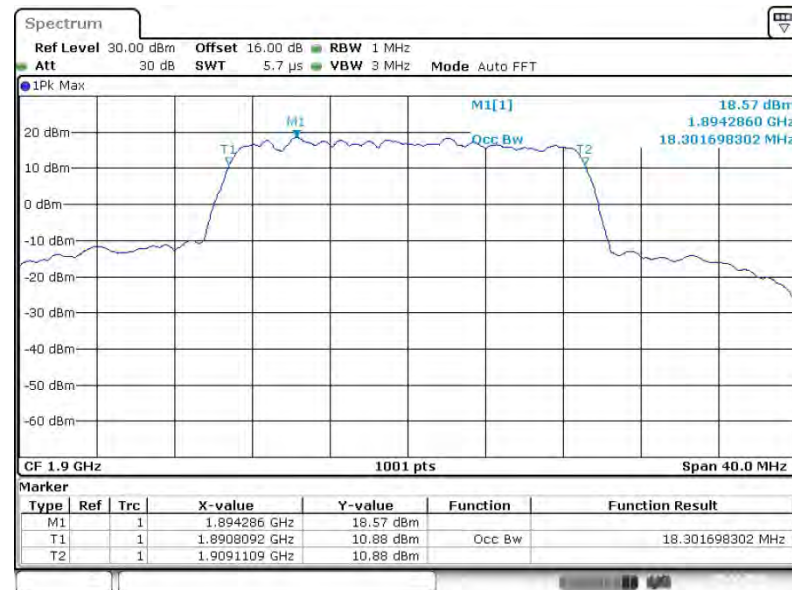
Date: 9 DEC 2014 17:07:59

26dB Bandwidth Plot on Channel 18900



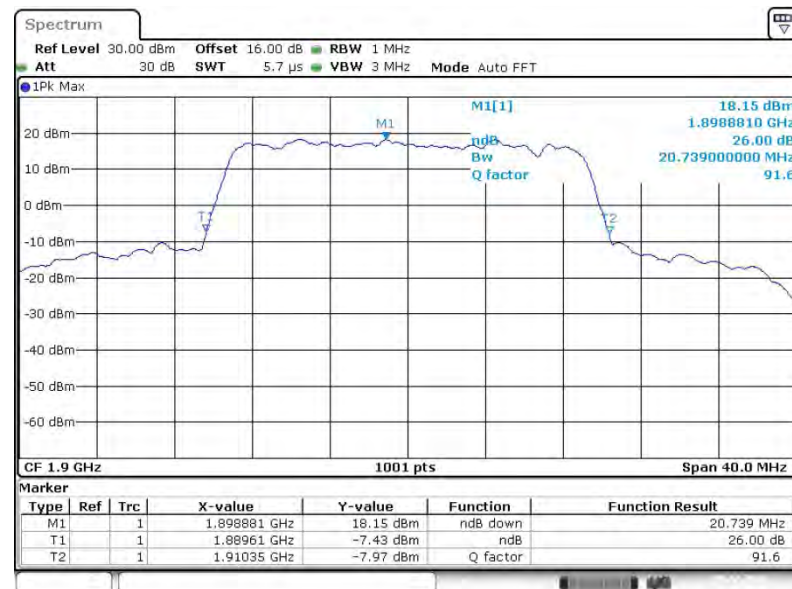
Date: 9 DEC 2014 17:08:22

99% Occupied Bandwidth Plot on Channel 19100



Date: 9 DEC 2014 17:11:02

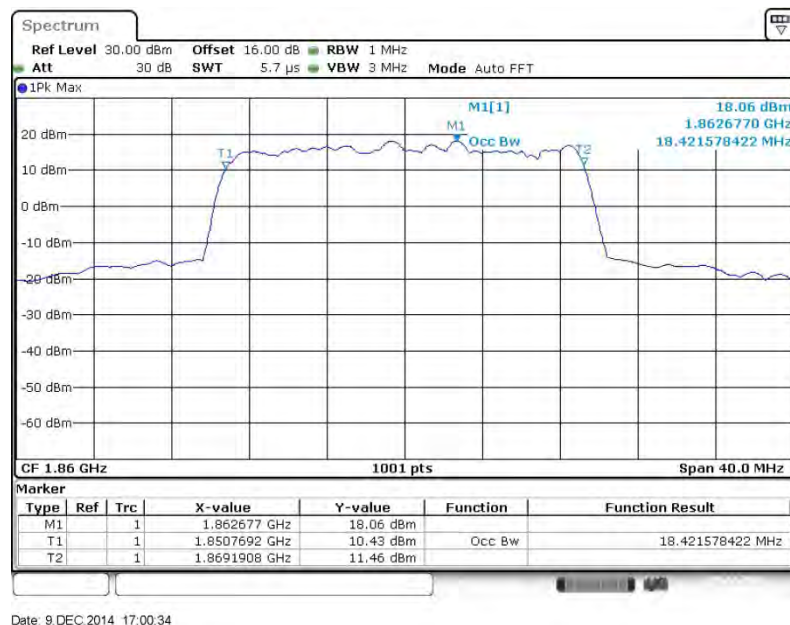
26dB Bandwidth Plot on Channel 19100



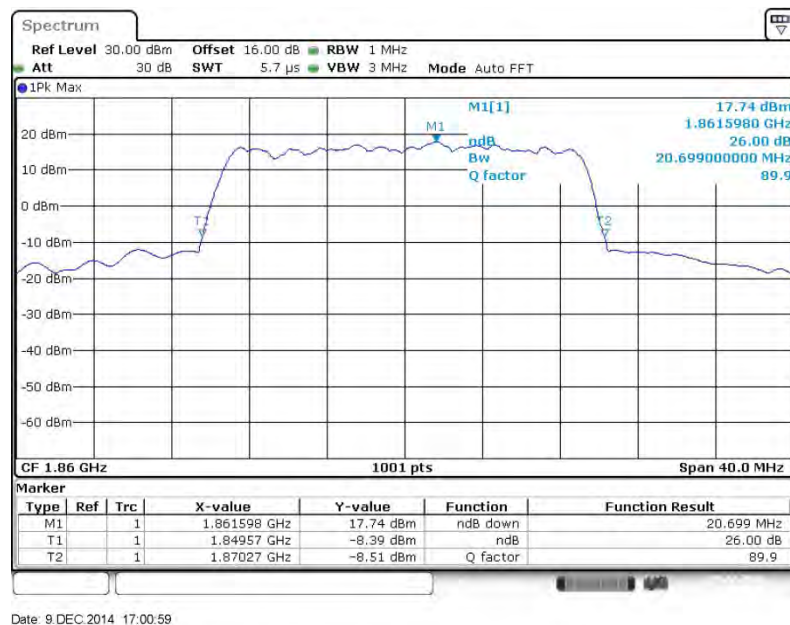
Date: 9 DEC 2014 17:11:25

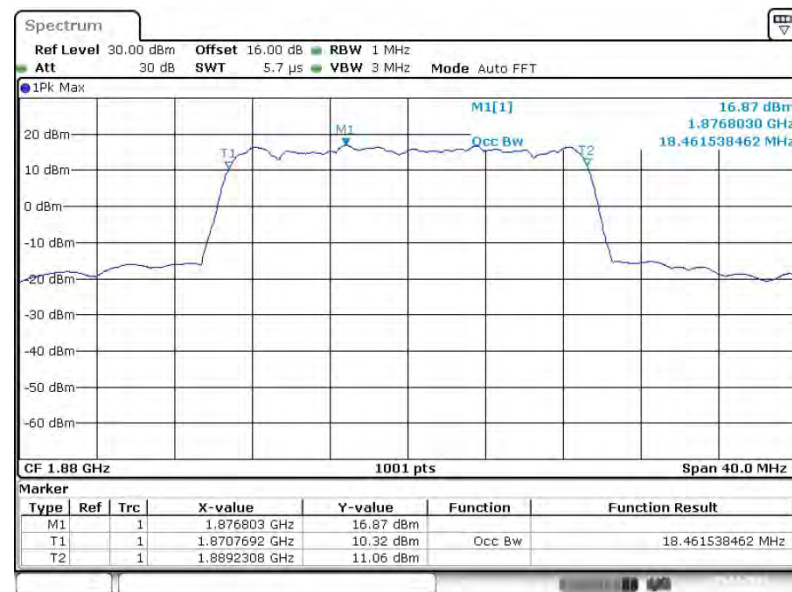
Band :	LTE Band 2	BW / Mod. :	20MHz / 16QAM
--------	------------	-------------	---------------

99% Occupied Bandwidth Plot on Channel 18700

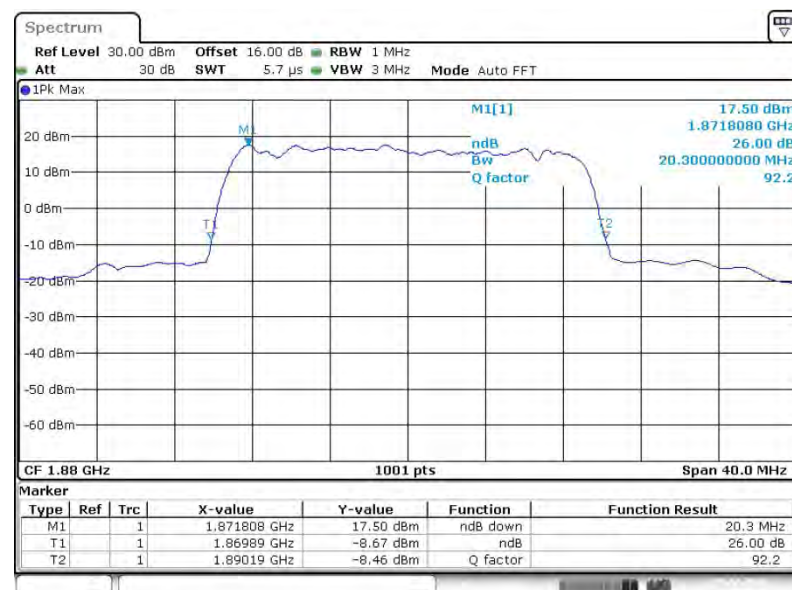


26dB Bandwidth Plot on Channel 18700

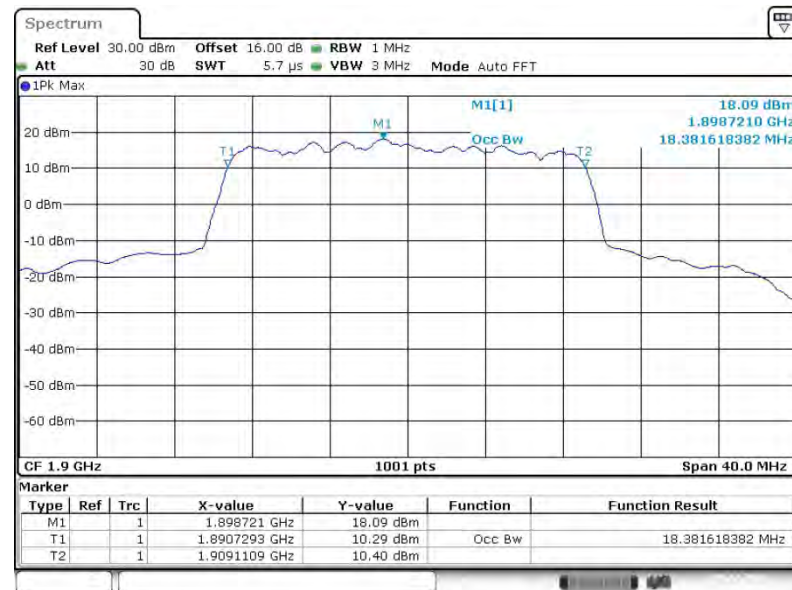


99% Occupied Bandwidth Plot on Channel 18900


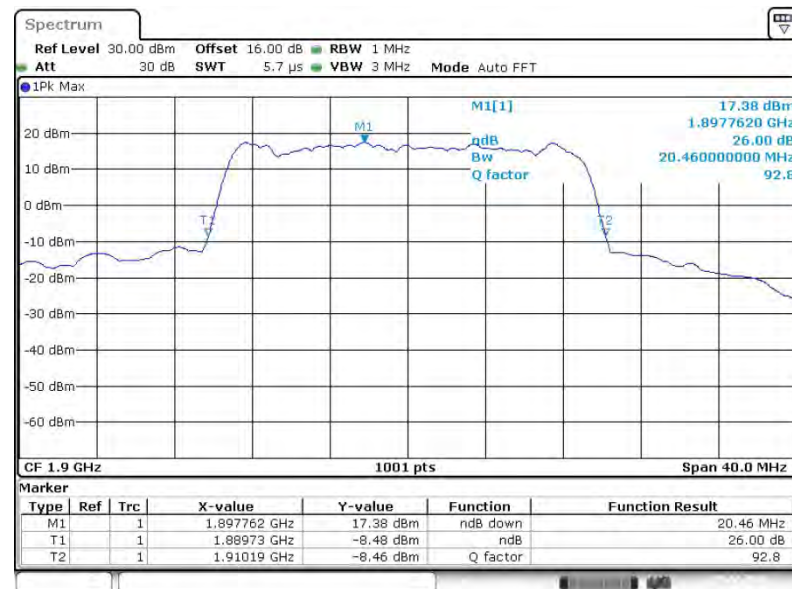
Date: 9 DEC 2014 17:08:10

26dB Bandwidth Plot on Channel 18900


Date: 9 DEC 2014 17:08:35

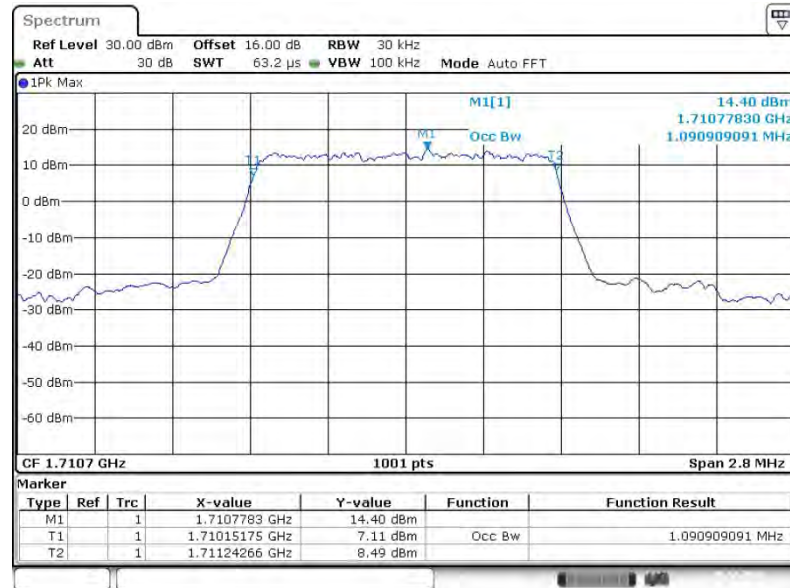
99% Occupied Bandwidth Plot on Channel 19100


Date: 9 DEC 2014 17:11:13

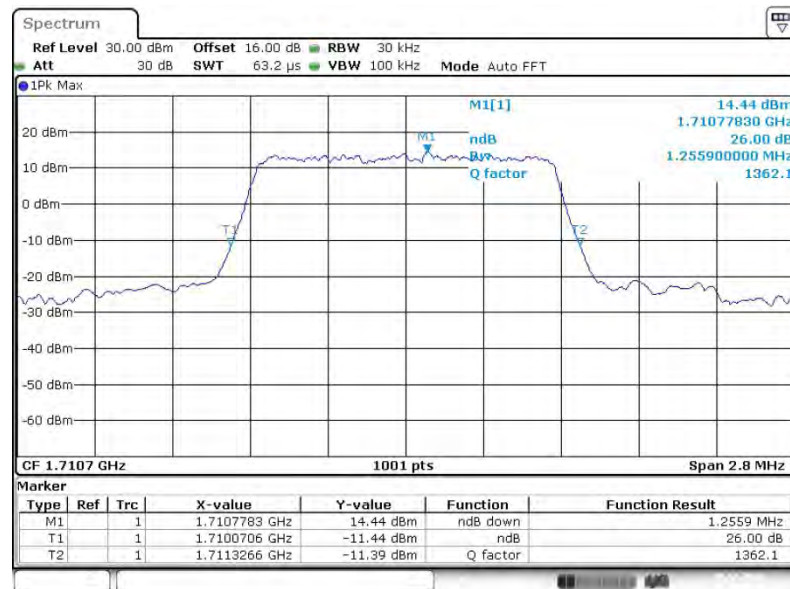
26dB Bandwidth Plot on Channel 19100


Date: 9 DEC 2014 17:11:38

Band :	LTE Band 4	BW / Mod. :	1.4MHz / QPSK
---------------	------------	--------------------	---------------

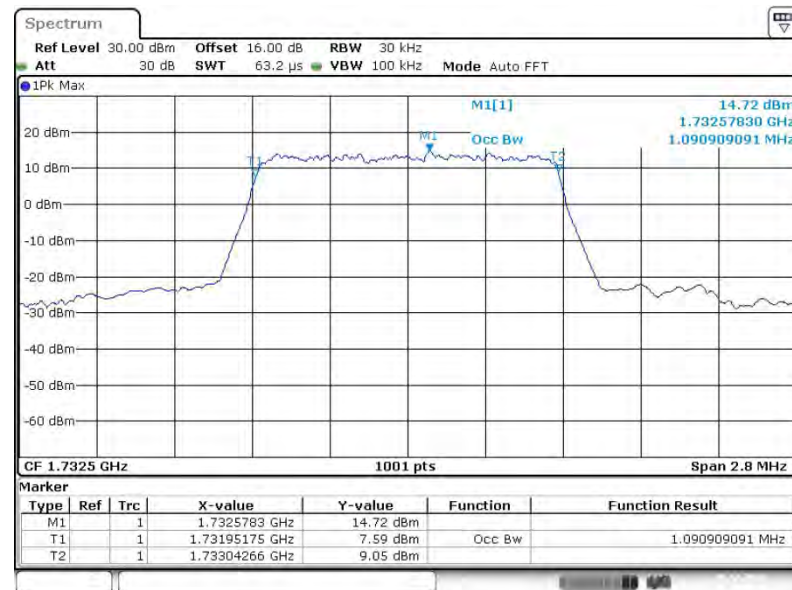
99% Occupied Bandwidth Plot on Channel 19957


Date: 10.DEC.2014 10:54:16

26dB Bandwidth Plot on Channel 19957


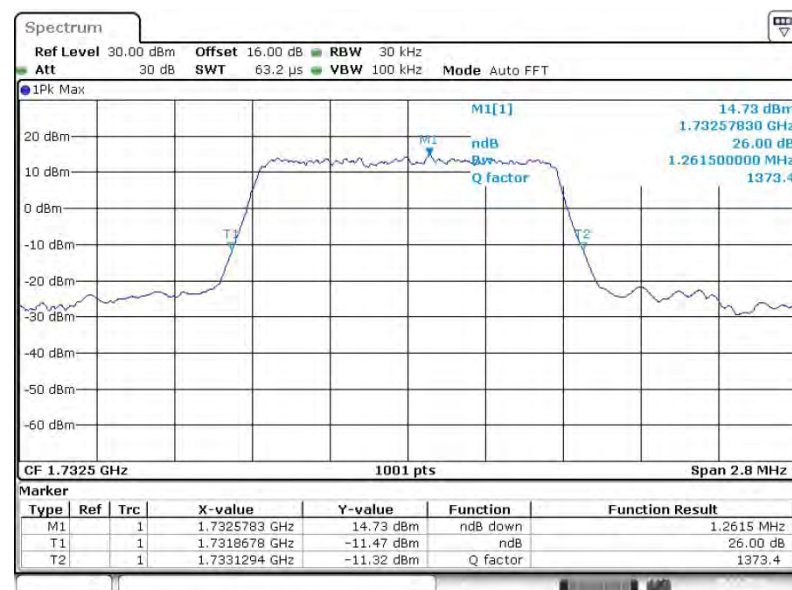
Date: 10.DEC.2014 10:54:40

99% Occupied Bandwidth Plot on Channel 20175

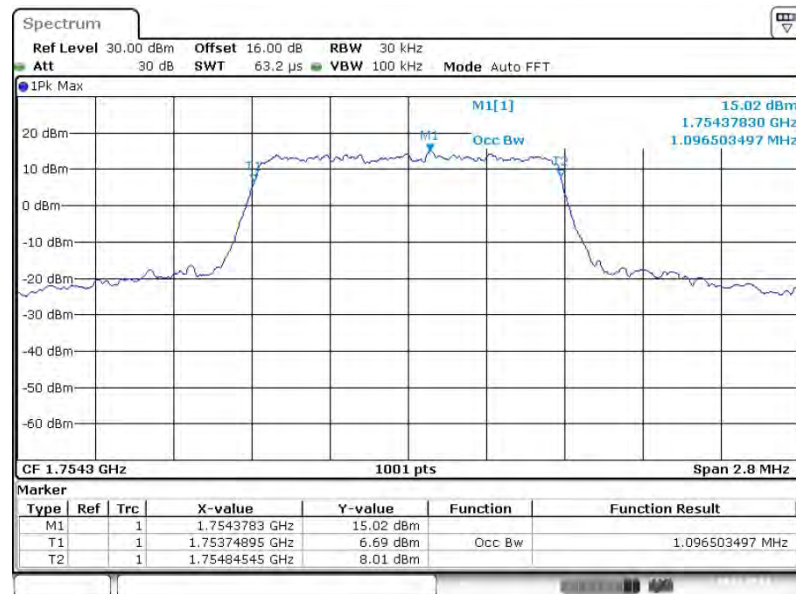


Date: 10 DEC.2014 11:01:55

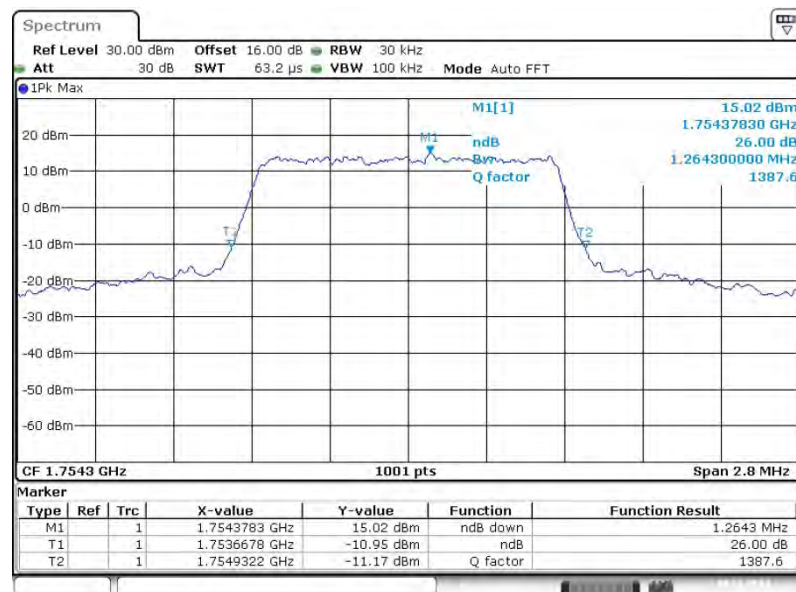
26dB Bandwidth Plot on Channel 20175



Date: 10 DEC.2014 11:02:18

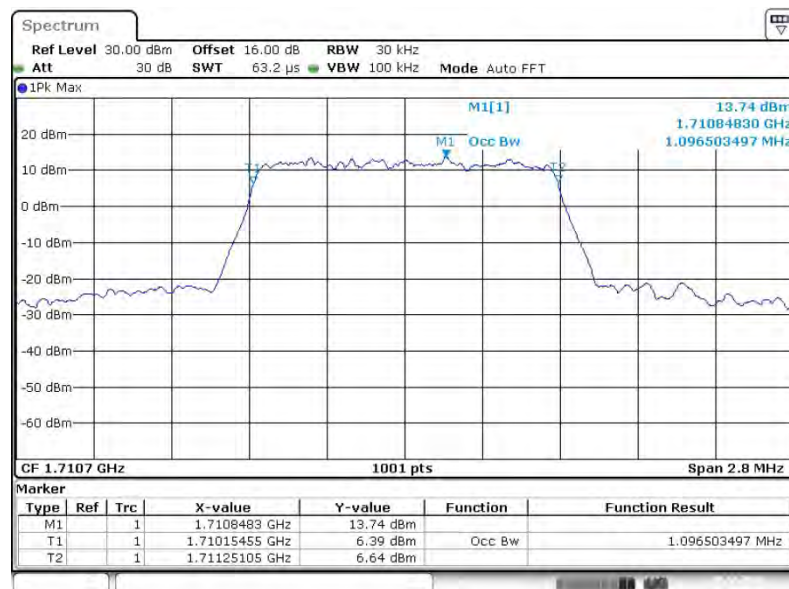
99% Occupied Bandwidth Plot on Channel 20393


Date: 10 DEC 2014 11:04:59

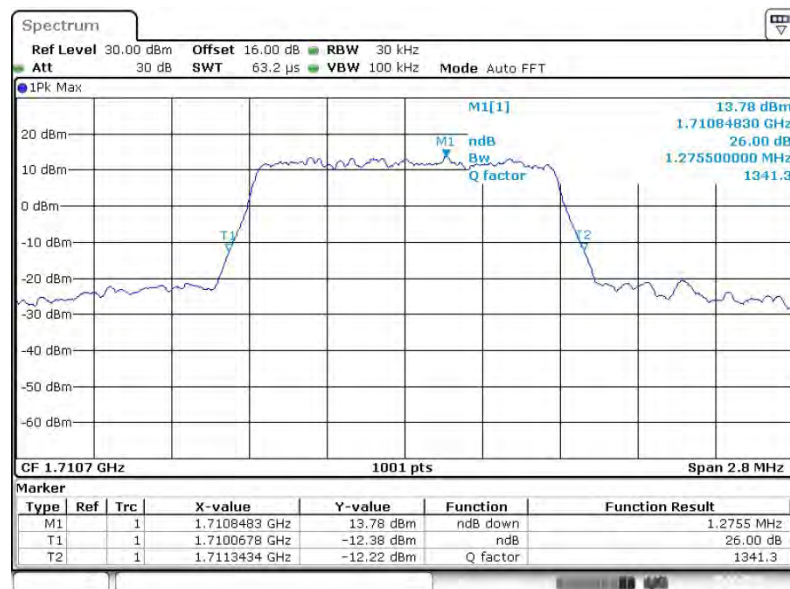
26dB Bandwidth Plot on Channel 20393


Date: 10 DEC 2014 11:05:22

Band :	LTE Band 4	BW / Mod. :	1.4MHz / 16QAM
---------------	------------	--------------------	----------------

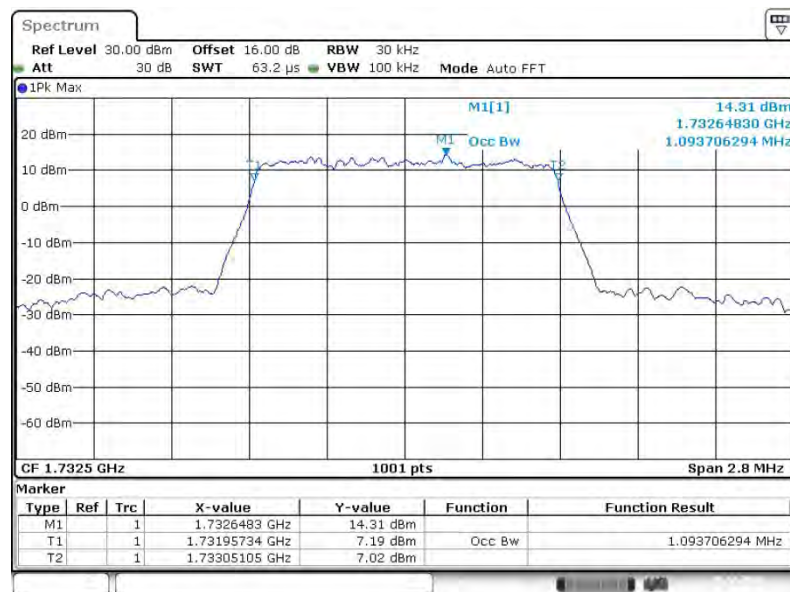
99% Occupied Bandwidth Plot on Channel 19957


Date: 10.DEC.2014 10:54:27

26dB Bandwidth Plot on Channel 19957


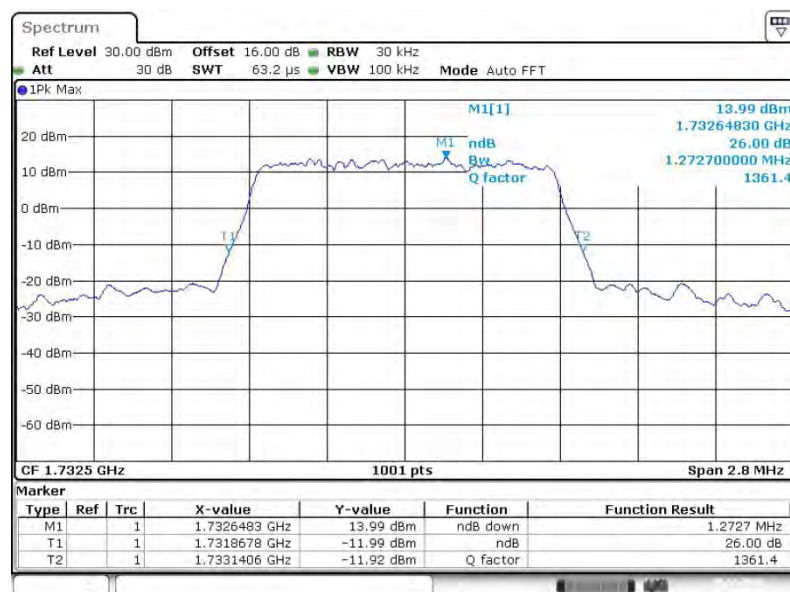
Date: 10.DEC.2014 10:54:52

99% Occupied Bandwidth Plot on Channel 20175

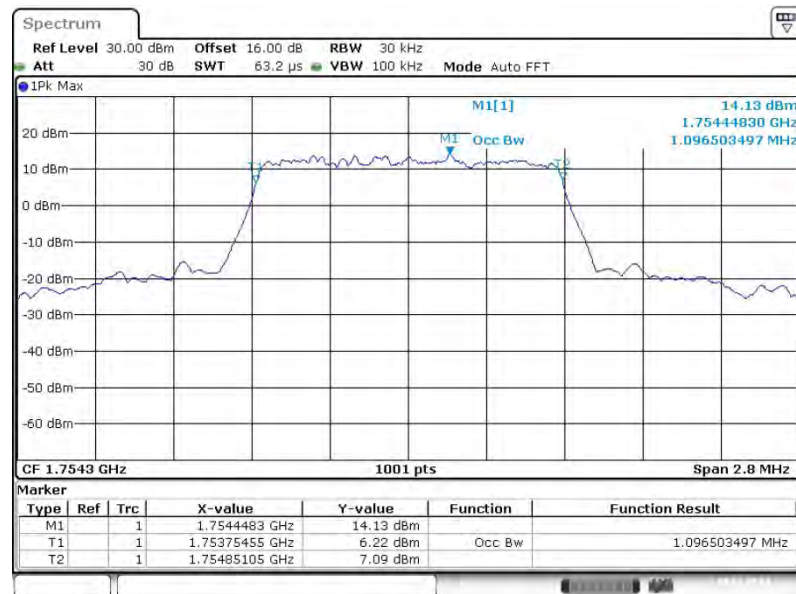


Date: 10 DEC. 2014 11:02:05

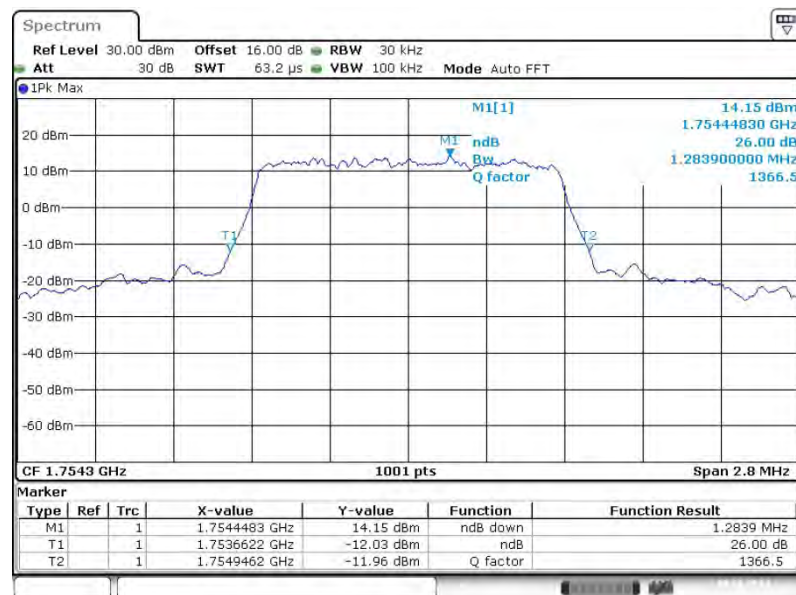
26dB Bandwidth Plot on Channel 20175



Date: 10 DEC. 2014 11:02:30

99% Occupied Bandwidth Plot on Channel 20393


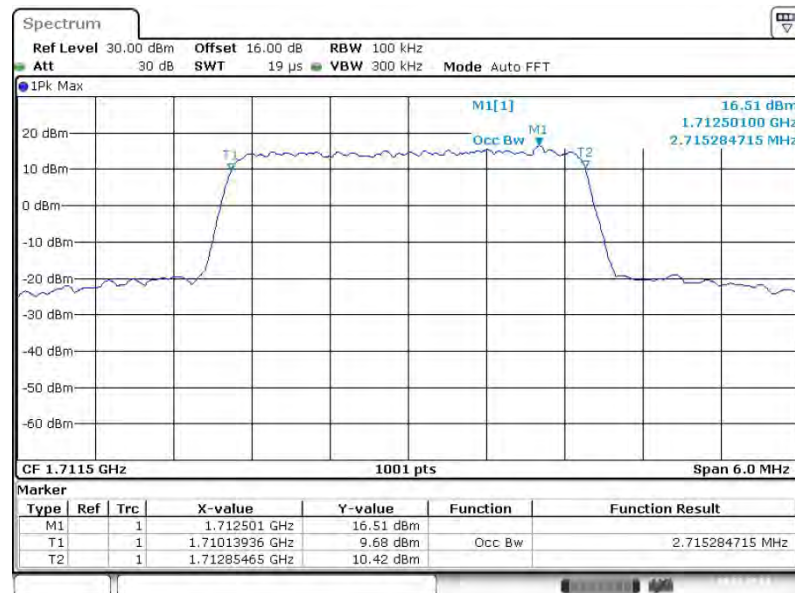
Date: 10 DEC 2014 11:05:09

26dB Bandwidth Plot on Channel 20393


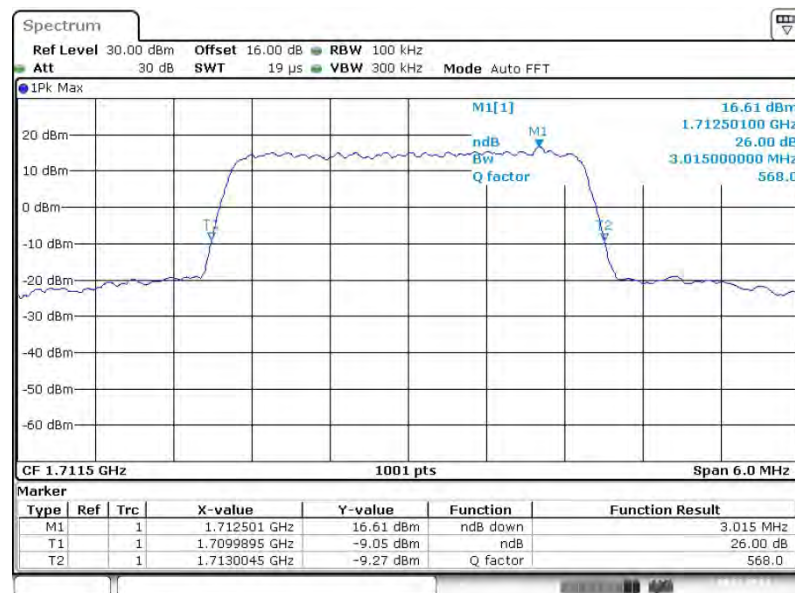
Date: 10 DEC 2014 11:05:34

Band :	LTE Band 4	BW / Mod. :	3MHz / QPSK
--------	------------	-------------	-------------

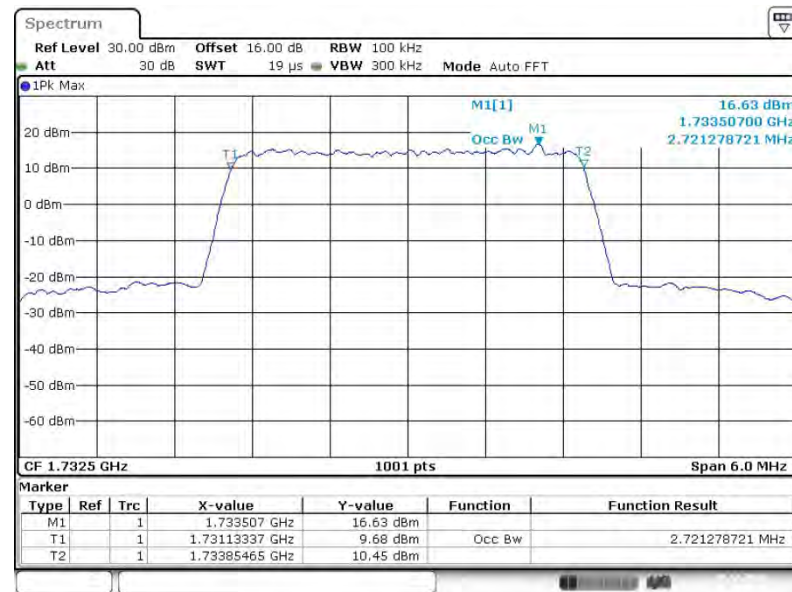
99% Occupied Bandwidth Plot on Channel 19965



26dB Bandwidth Plot on Channel 19965

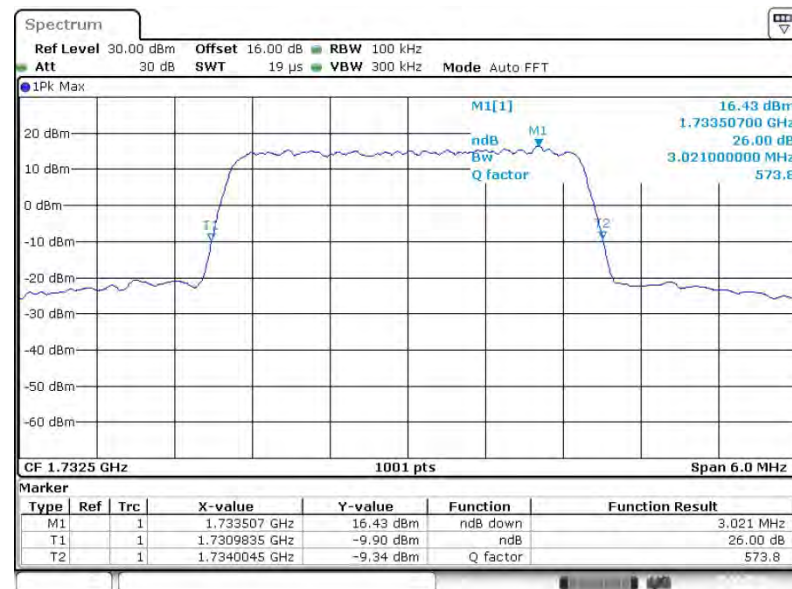


99% Occupied Bandwidth Plot on Channel 20175



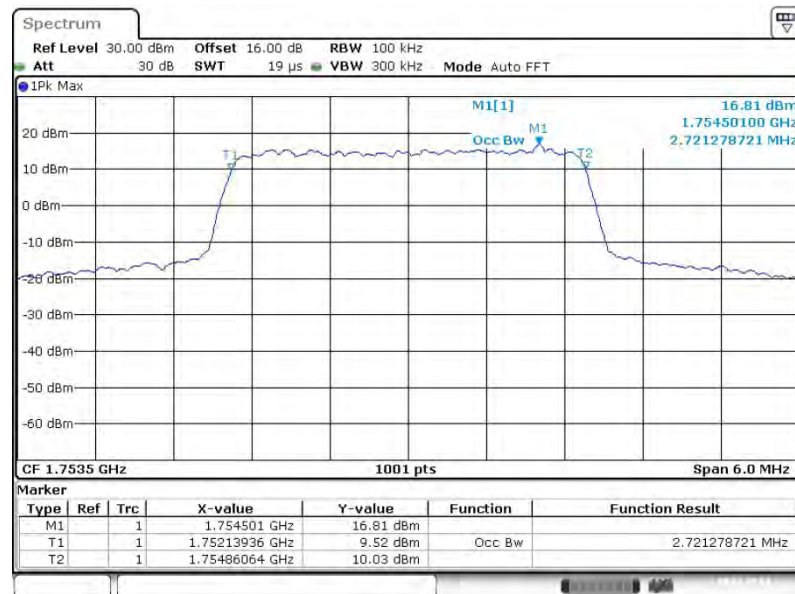
Date: 10 DEC.2014 11:20:15

26dB Bandwidth Plot on Channel 20175



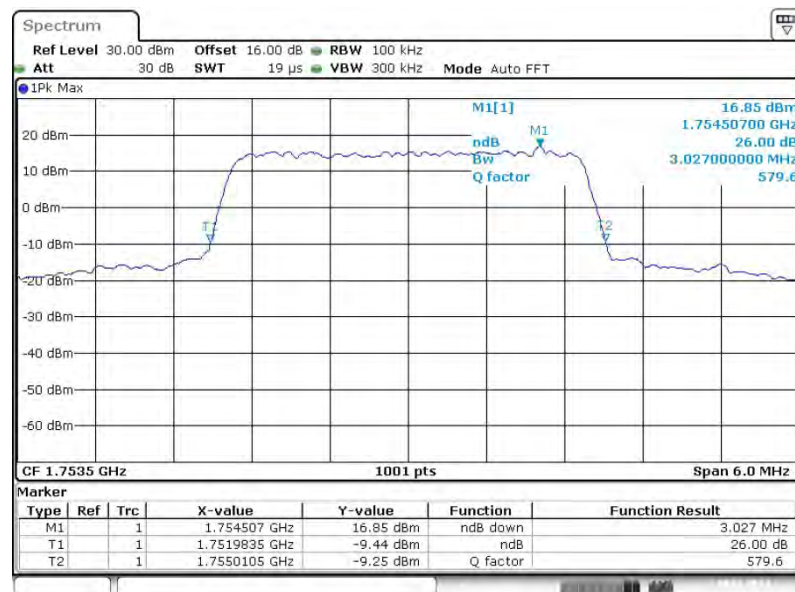
Date: 10 DEC.2014 11:20:38

99% Occupied Bandwidth Plot on Channel 20385



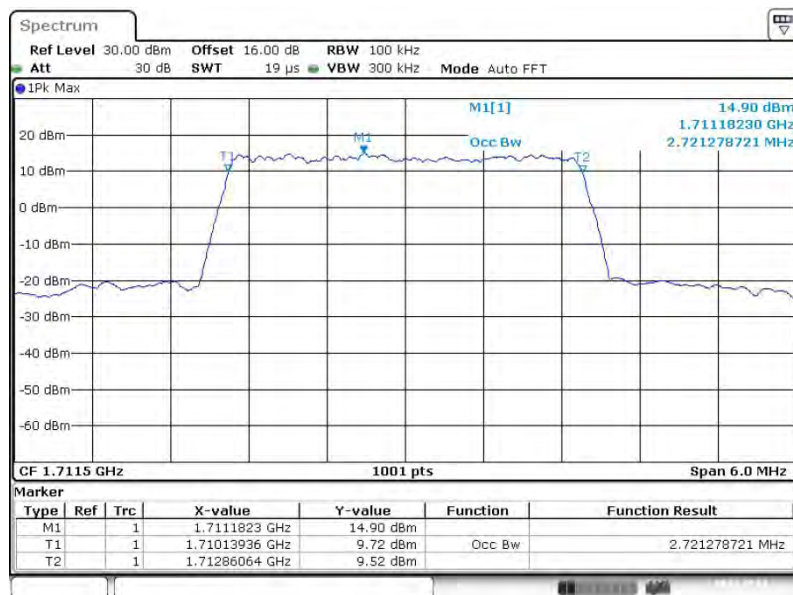
Date: 10 DEC 2014 11:23:19

26dB Bandwidth Plot on Channel 20385

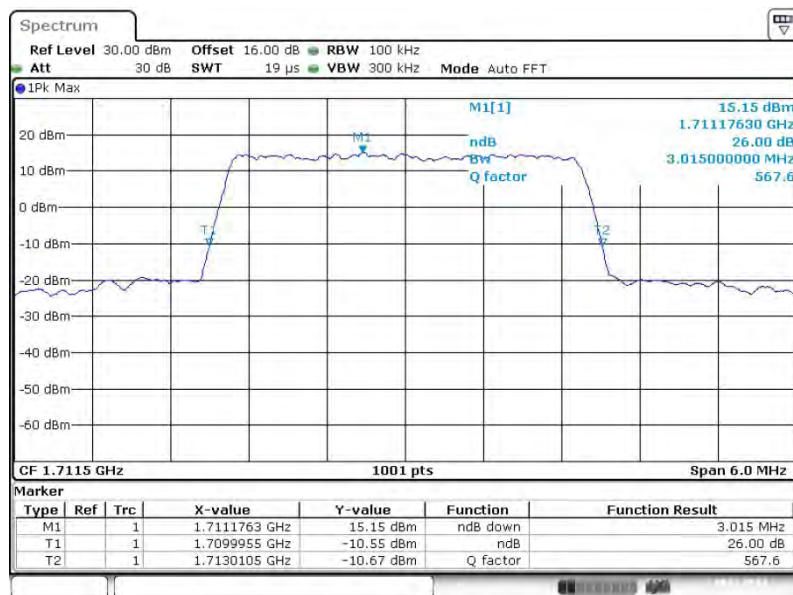


Date: 10 DEC 2014 11:23:42

Band :	LTE Band 4	BW / Mod. :	3MHz / 16QAM
---------------	------------	--------------------	--------------

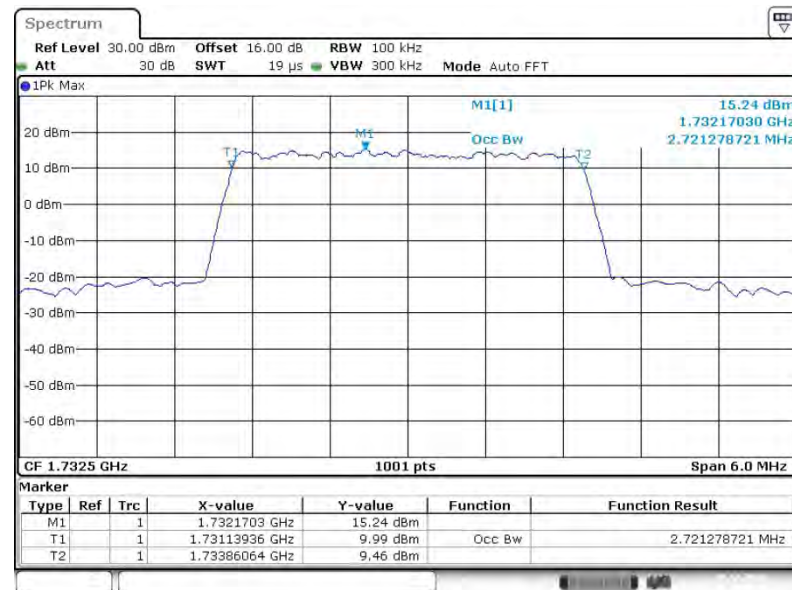
99% Occupied Bandwidth Plot on Channel 19965


Date: 10 DEC 2014 11:12:48

26dB Bandwidth Plot on Channel 19965


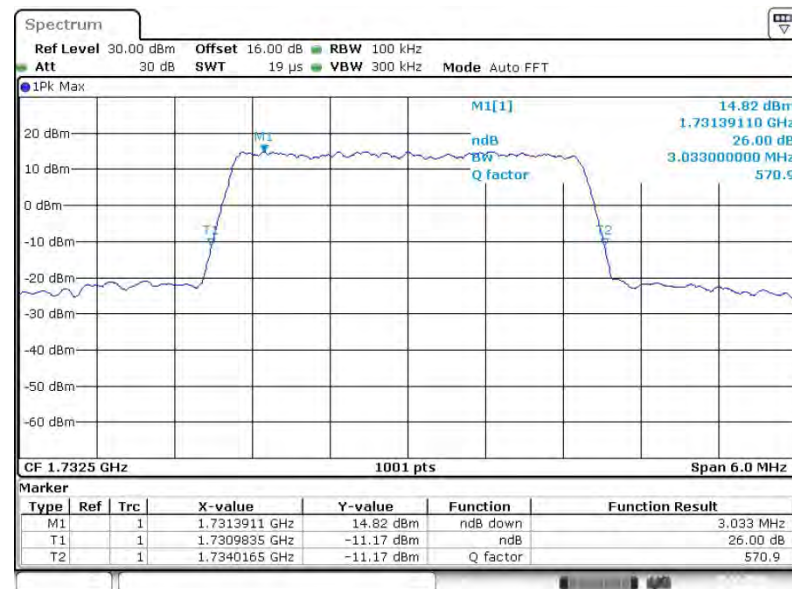
Date: 10 DEC 2014 11:13:13

99% Occupied Bandwidth Plot on Channel 20175

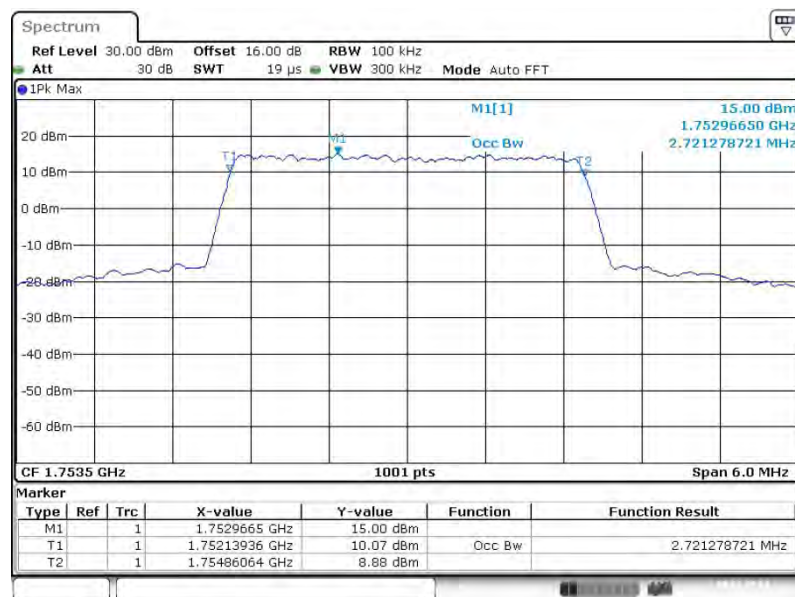


Date: 10 DEC.2014 11:20:28

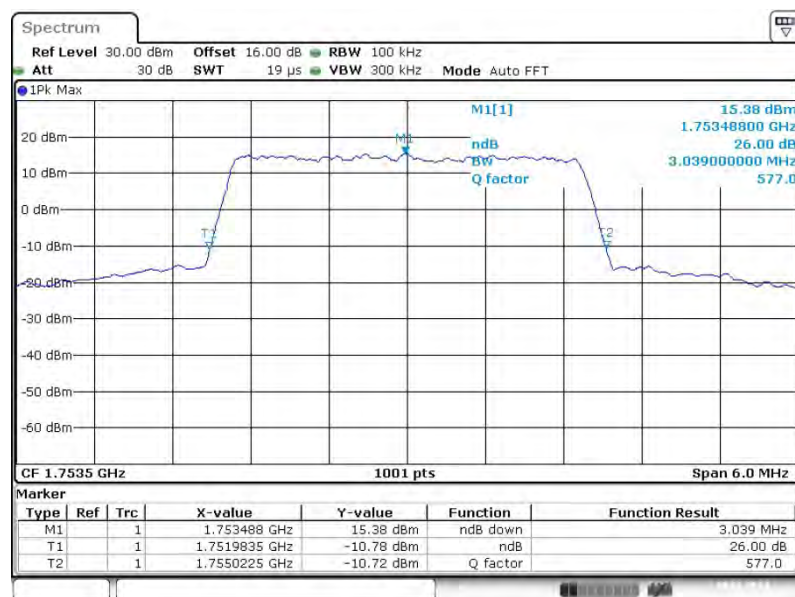
26dB Bandwidth Plot on Channel 20175



Date: 10 DEC.2014 11:20:51

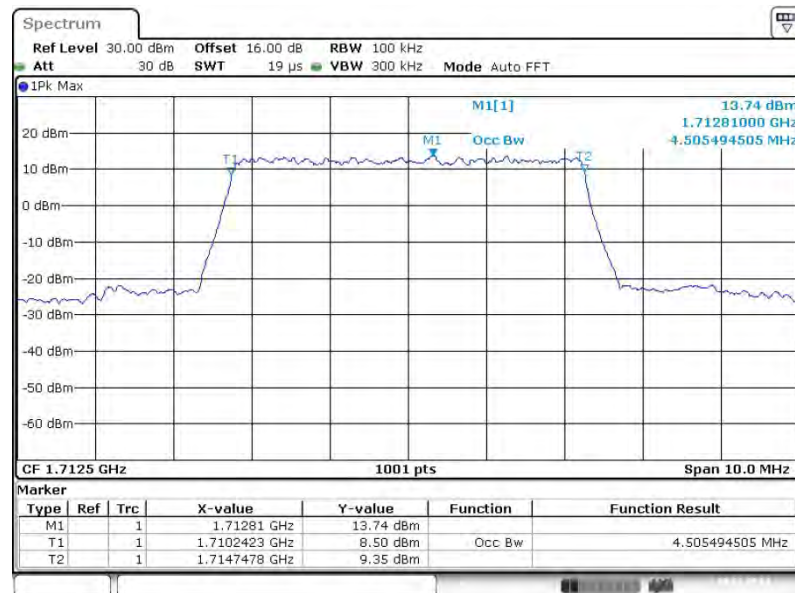
99% Occupied Bandwidth Plot on Channel 20385


Date: 10 DEC 2014 11:23:30

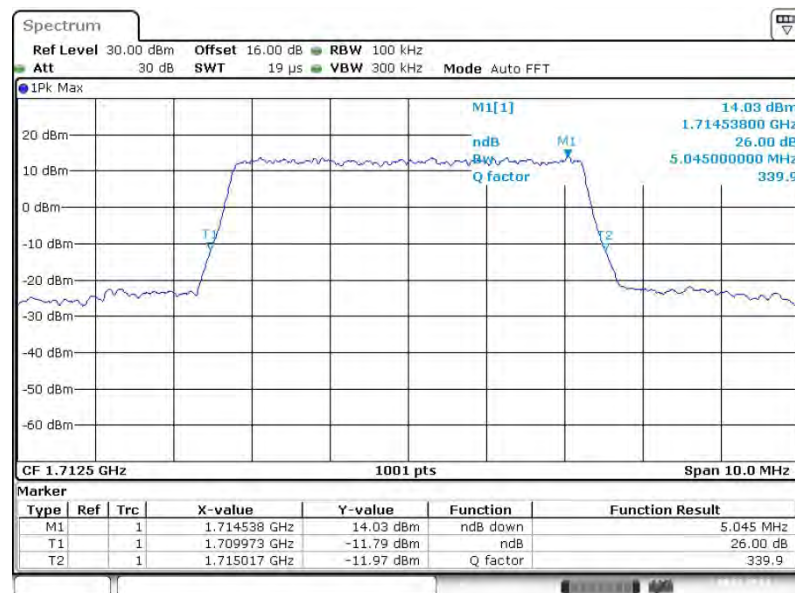
26dB Bandwidth Plot on Channel 20385


Date: 10 DEC 2014 11:23:55

Band :	LTE Band 4	BW / Mod. :	5MHz / QPSK
---------------	------------	--------------------	-------------

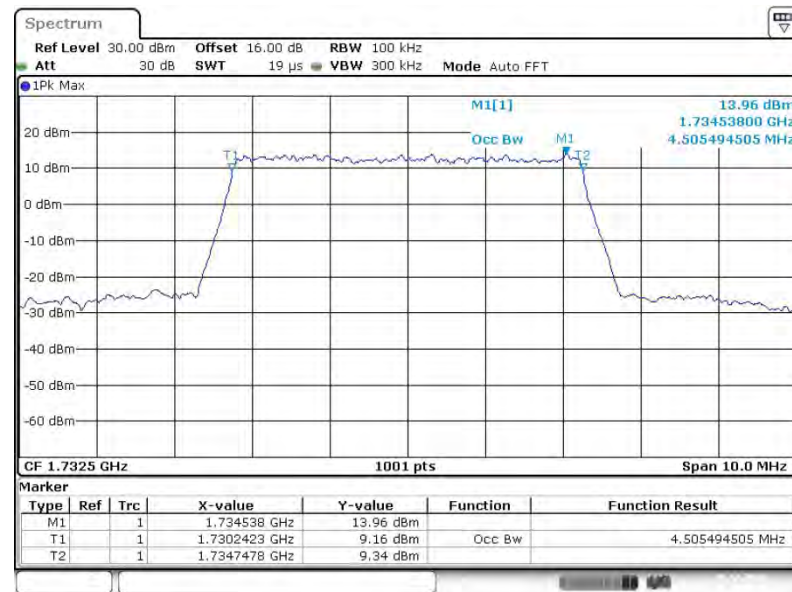
99% Occupied Bandwidth Plot on Channel 19975


Date: 10 DEC 2014 11:30:57

26dB Bandwidth Plot on Channel 19975


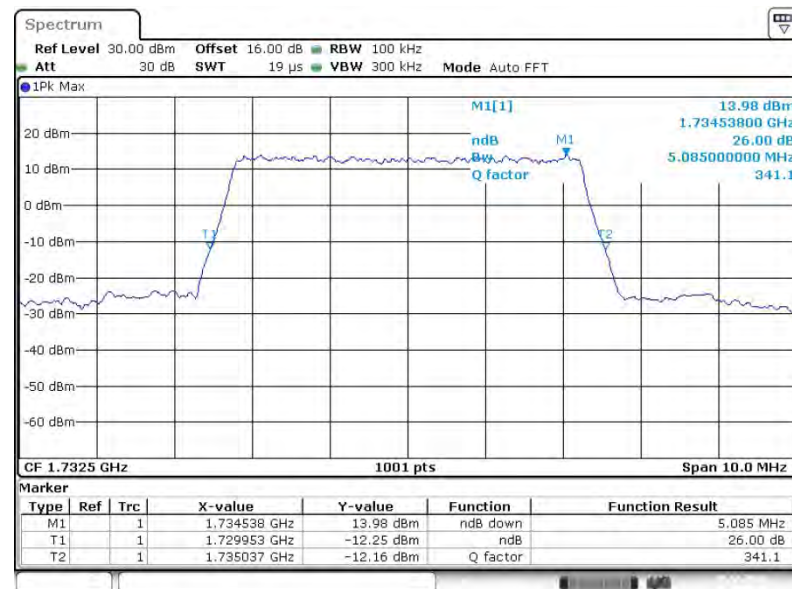
Date: 10 DEC 2014 11:31:20

99% Occupied Bandwidth Plot on Channel 20175

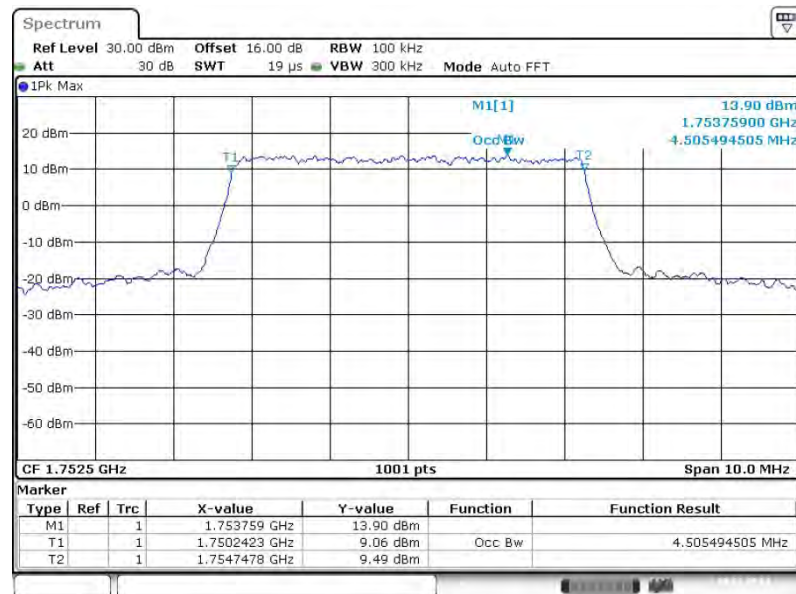


Date: 10 DEC.2014 11:38:34

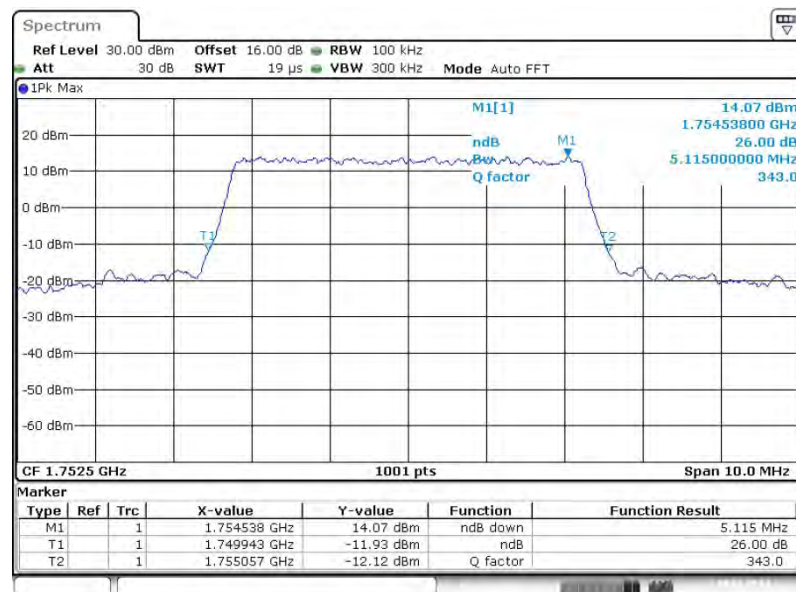
26dB Bandwidth Plot on Channel 20175



Date: 10 DEC.2014 11:38:57

99% Occupied Bandwidth Plot on Channel 20375


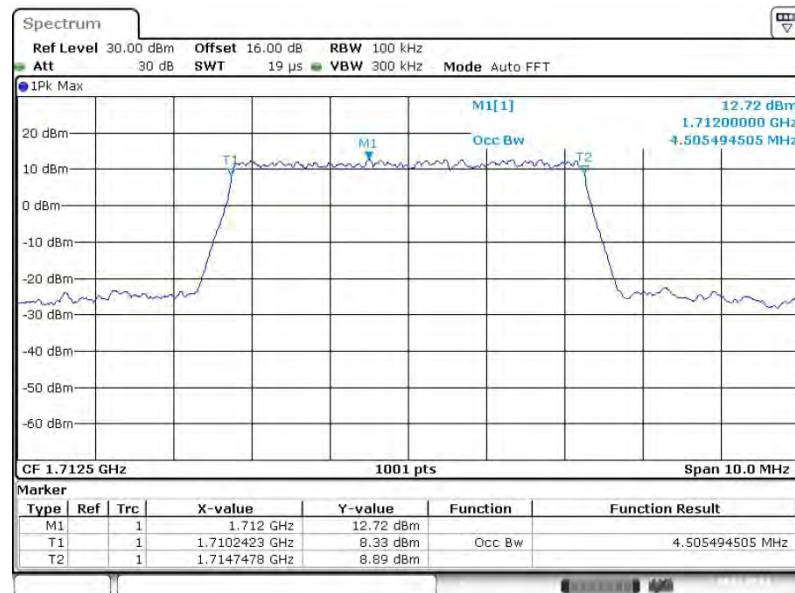
Date: 10 DEC 2014 11:41:37

26dB Bandwidth Plot on Channel 20375


Date: 10 DEC 2014 11:42:00

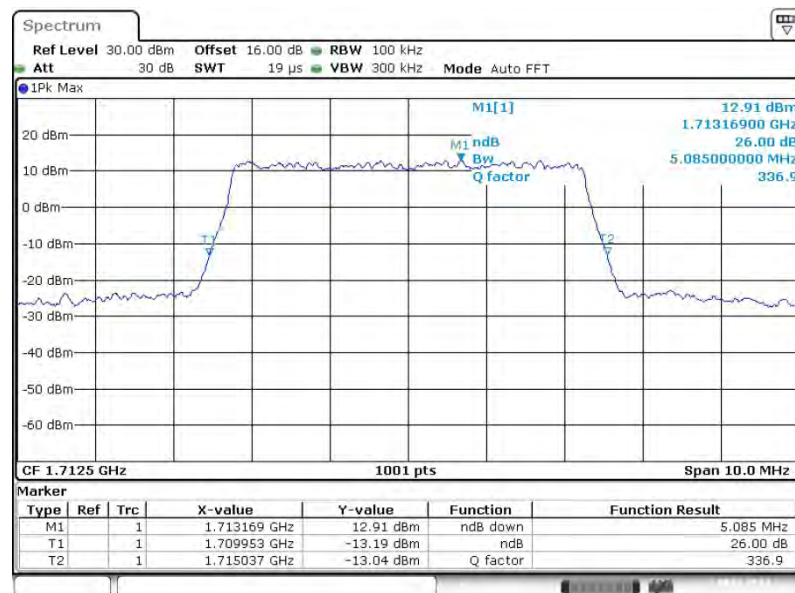
Band :	LTE Band 4	BW / Mod. :	5MHz / 16QAM
--------	------------	-------------	--------------

99% Occupied Bandwidth Plot on Channel 19975



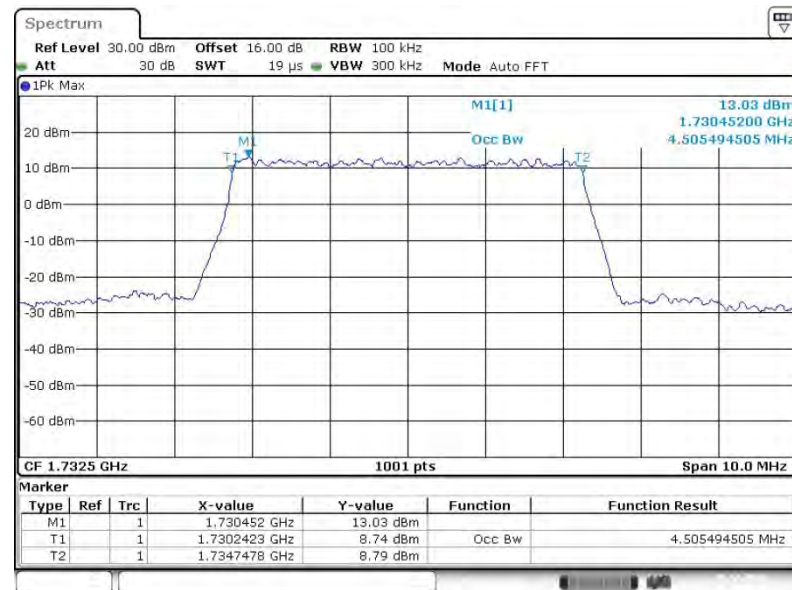
Date: 10 DEC 2014 11:31:07

26dB Bandwidth Plot on Channel 19975



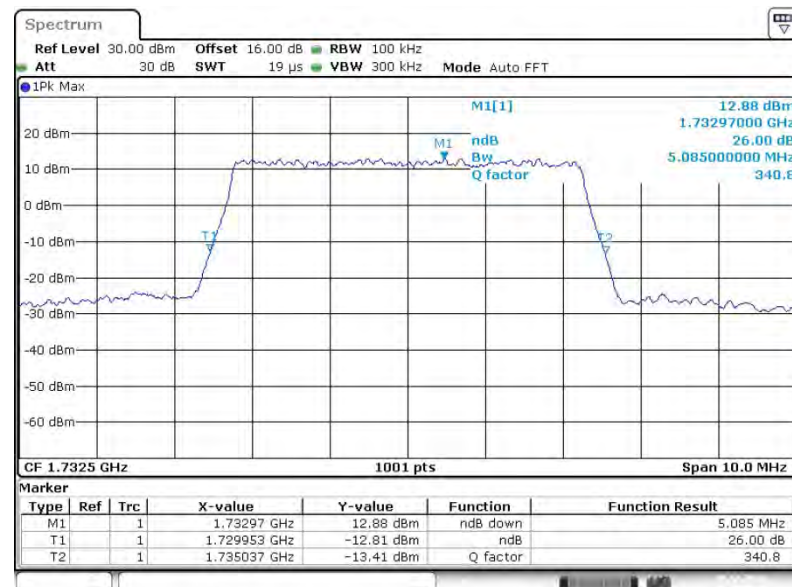
Date: 10 DEC 2014 11:31:32

99% Occupied Bandwidth Plot on Channel 20175

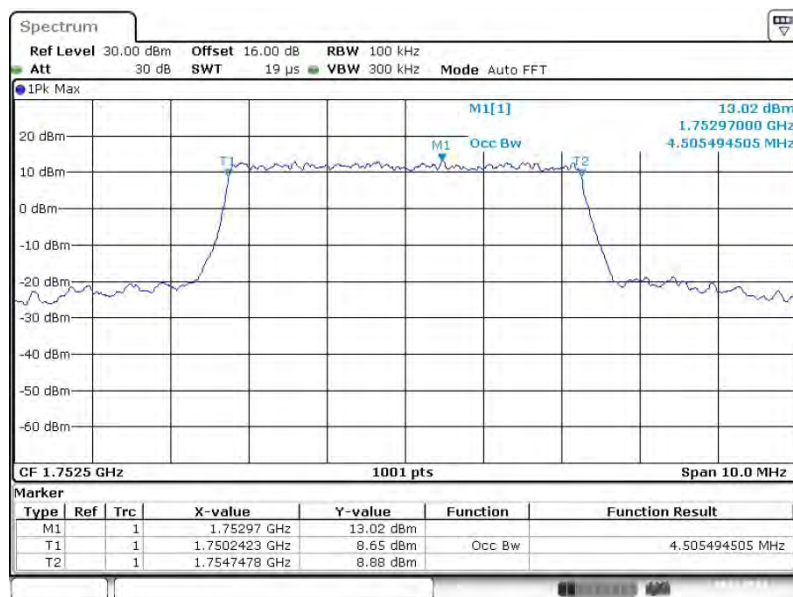


Date: 10 DEC.2014 11:38:44

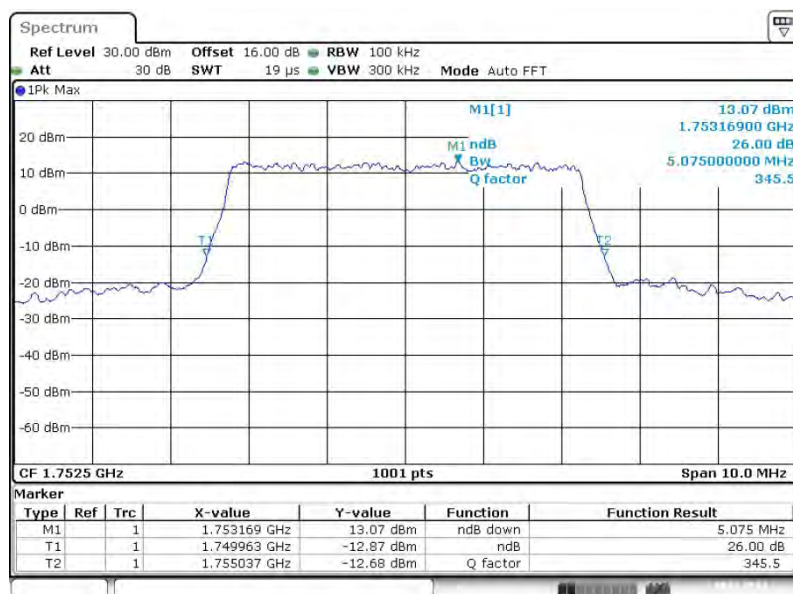
26dB Bandwidth Plot on Channel 20175



Date: 10 DEC.2014 11:39:09

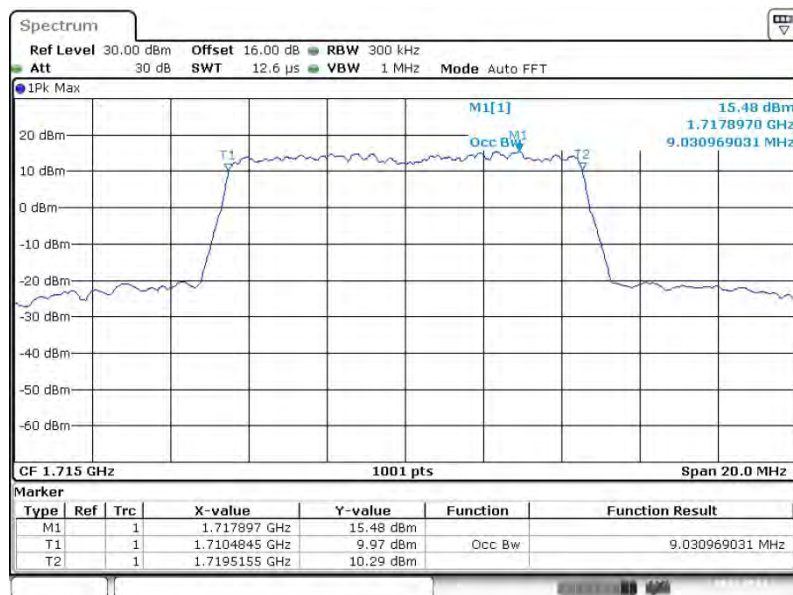
99% Occupied Bandwidth Plot on Channel 20375


Date: 10 DEC 2014 11:41:47

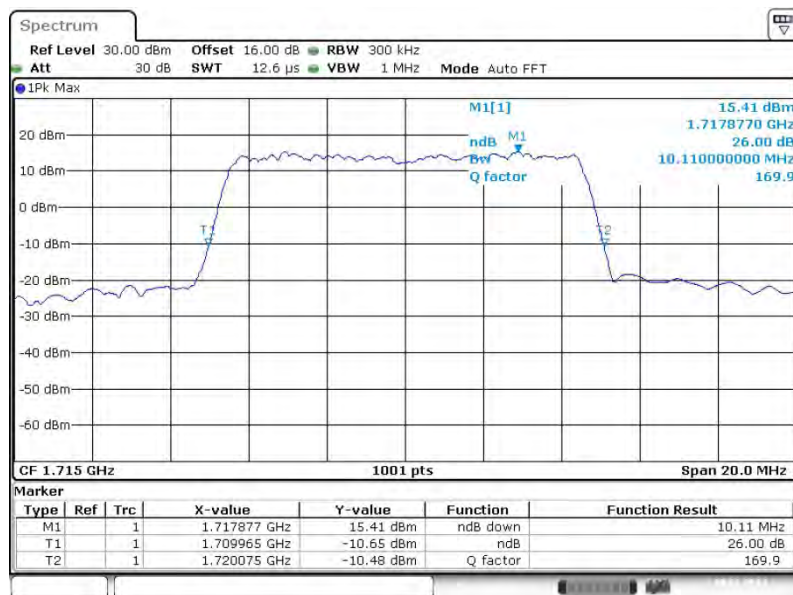
26dB Bandwidth Plot on Channel 20375


Date: 10 DEC 2014 11:42:12

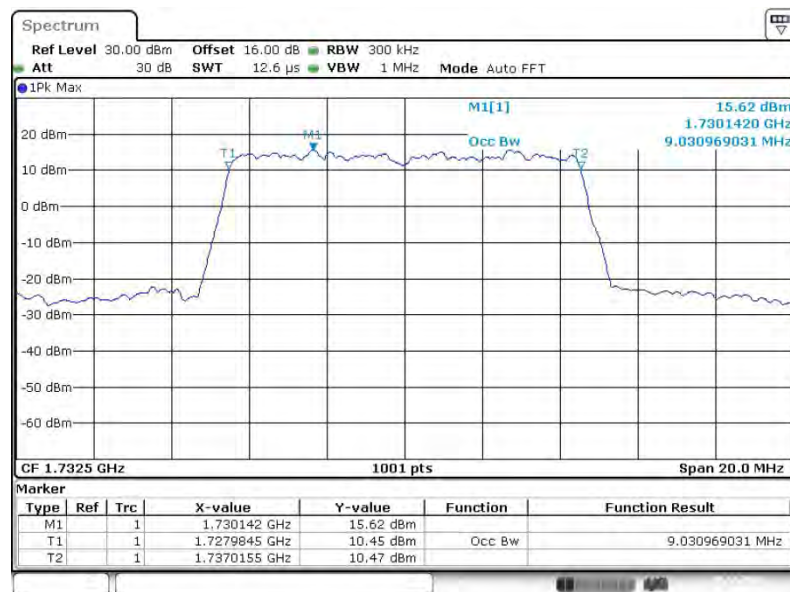
Band :	LTE Band 4	BW / Mod. :	10MHz / QPSK
---------------	------------	--------------------	--------------

99% Occupied Bandwidth Plot on Channel 20000


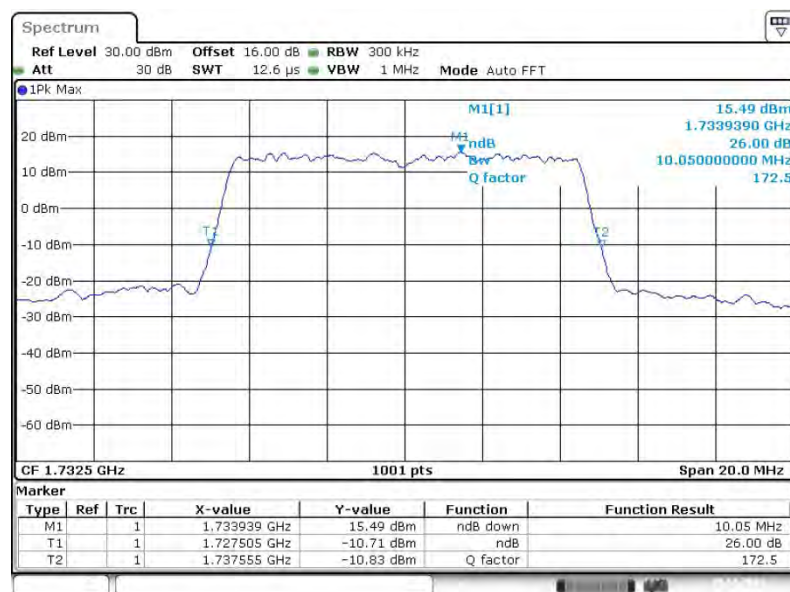
Date: 10 DEC 2014 11:49:13

26dB Bandwidth Plot on Channel 20000


Date: 10 DEC 2014 11:49:36

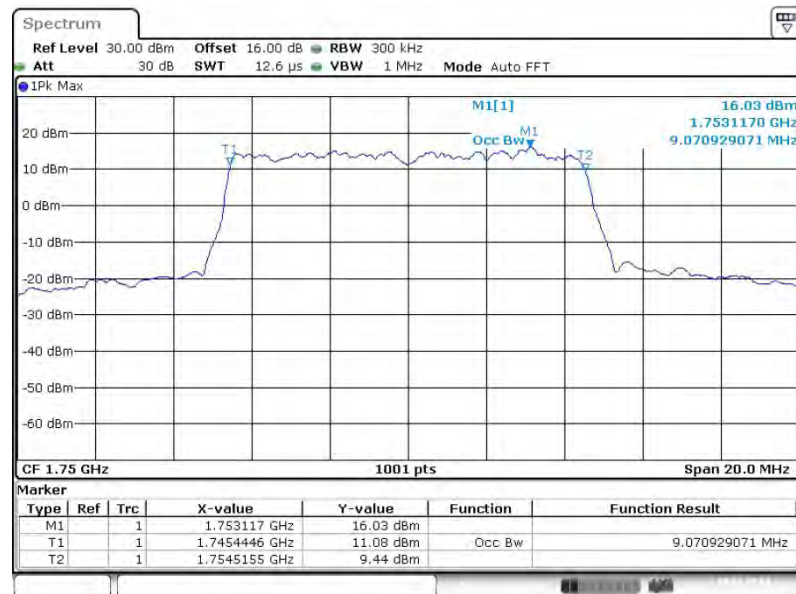
99% Occupied Bandwidth Plot on Channel 20175


Date: 10 DEC.2014 11:56:50

26dB Bandwidth Plot on Channel 20175


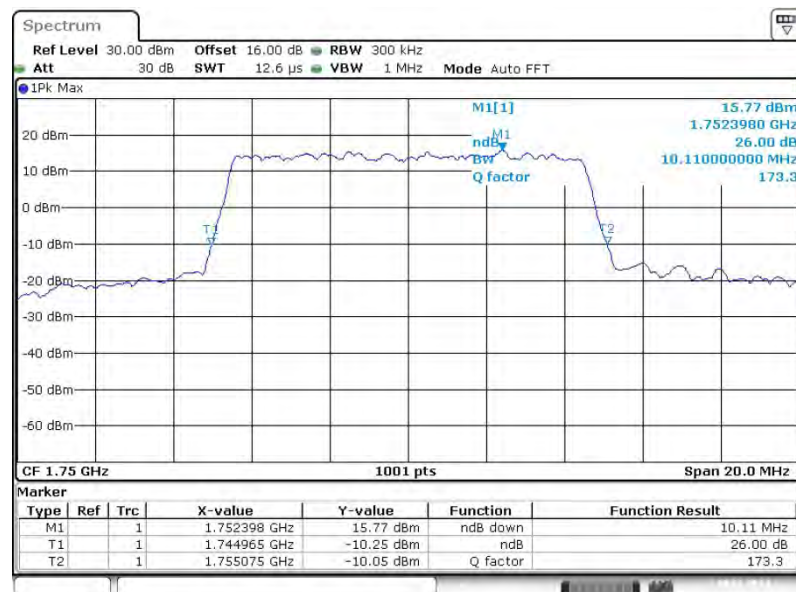
Date: 10 DEC.2014 11:57:13

99% Occupied Bandwidth Plot on Channel 20350



Date: 10 DEC 2014 11:59:53

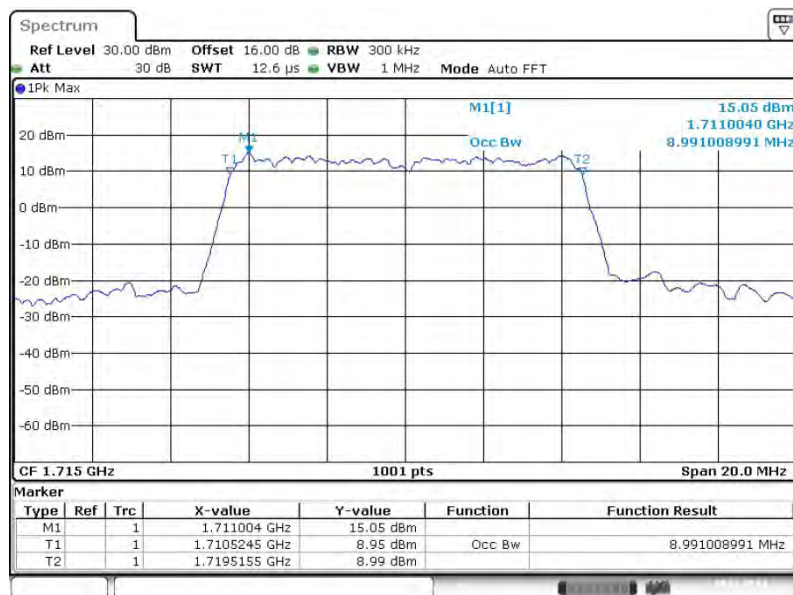
26dB Bandwidth Plot on Channel 20350



Date: 10 DEC 2014 12:00:16

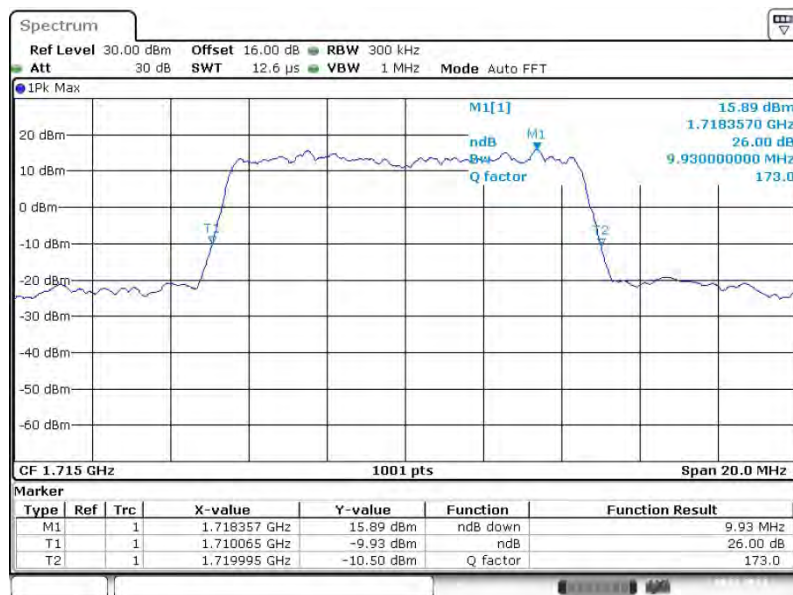
Band :	LTE Band 4	BW / Mod. :	10MHz / 16QAM
--------	------------	-------------	---------------

99% Occupied Bandwidth Plot on Channel 20000

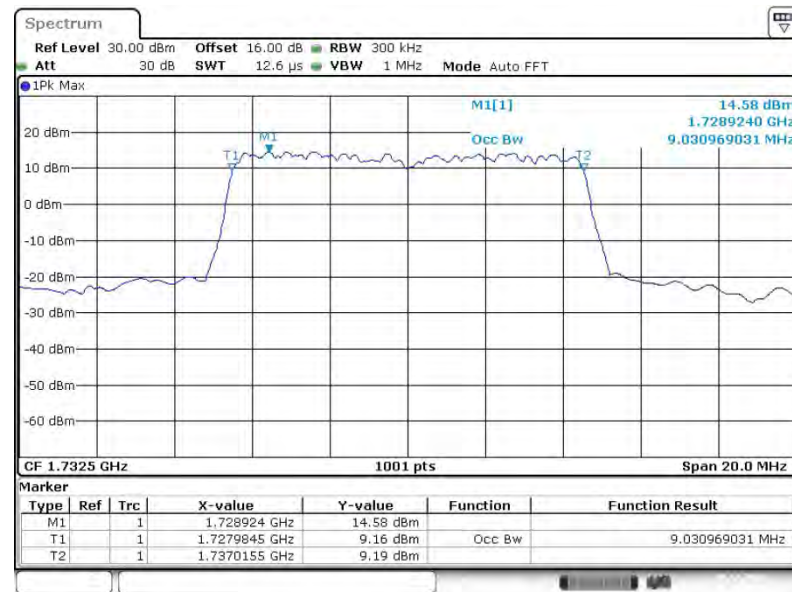


Date: 10 DEC 2014 11:49:24

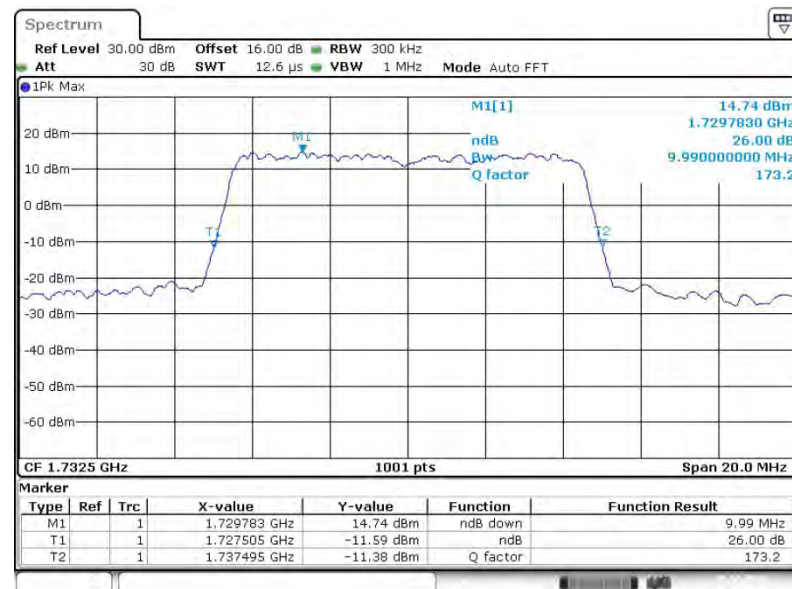
26dB Bandwidth Plot on Channel 20000



Date: 10 DEC 2014 11:49:49

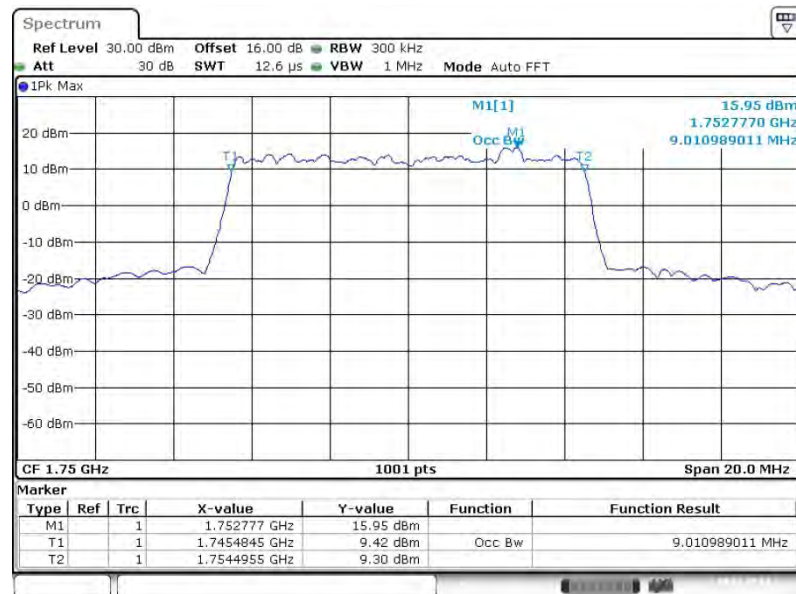
99% Occupied Bandwidth Plot on Channel 20175


Date: 10 DEC.2014 11:57:01

26dB Bandwidth Plot on Channel 20175


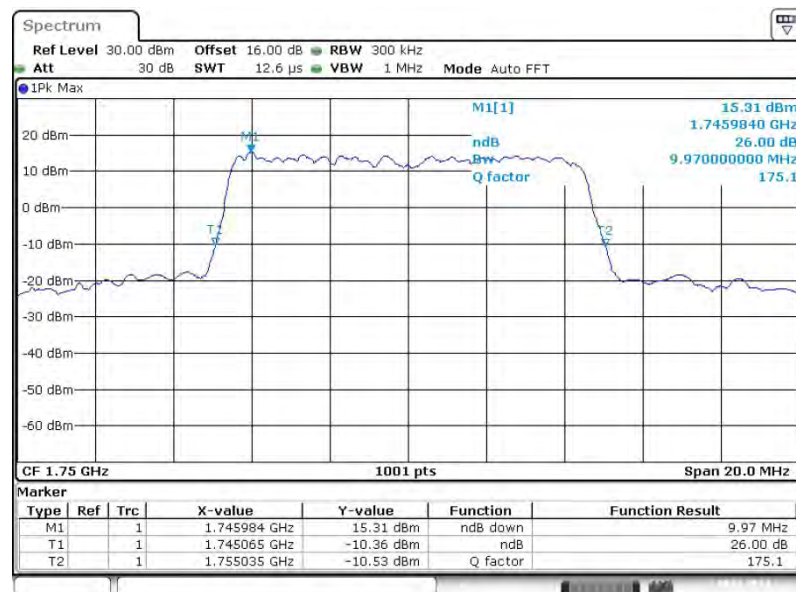
Date: 10 DEC.2014 11:57:25

99% Occupied Bandwidth Plot on Channel 20350



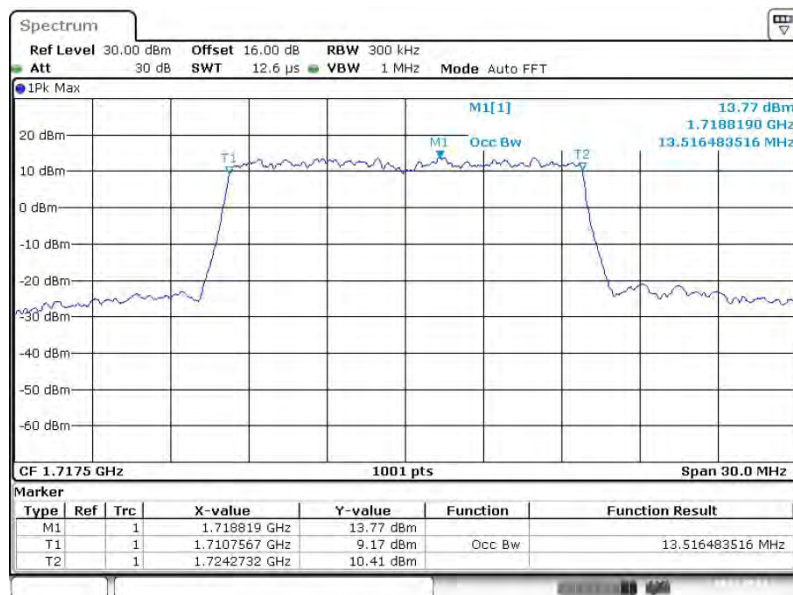
Date: 10 DEC 2014 12:00:04

26dB Bandwidth Plot on Channel 20350

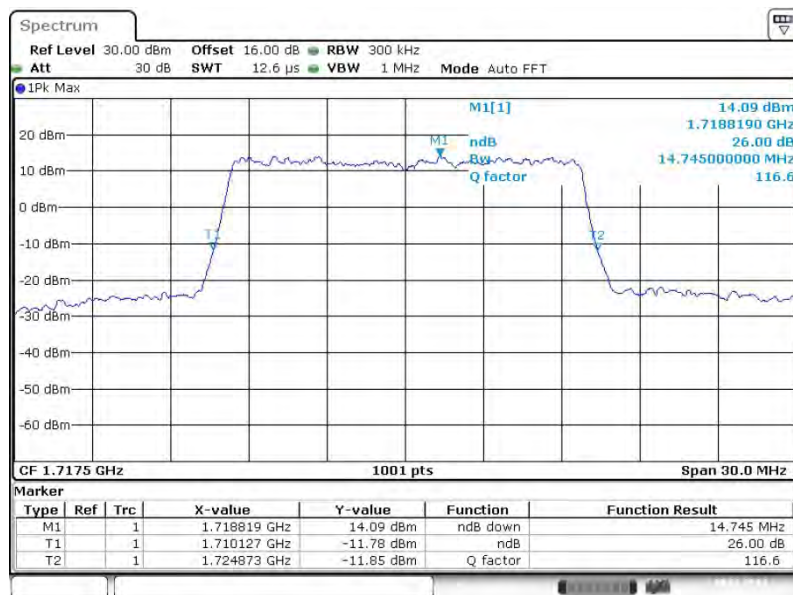


Date: 10 DEC 2014 12:00:29

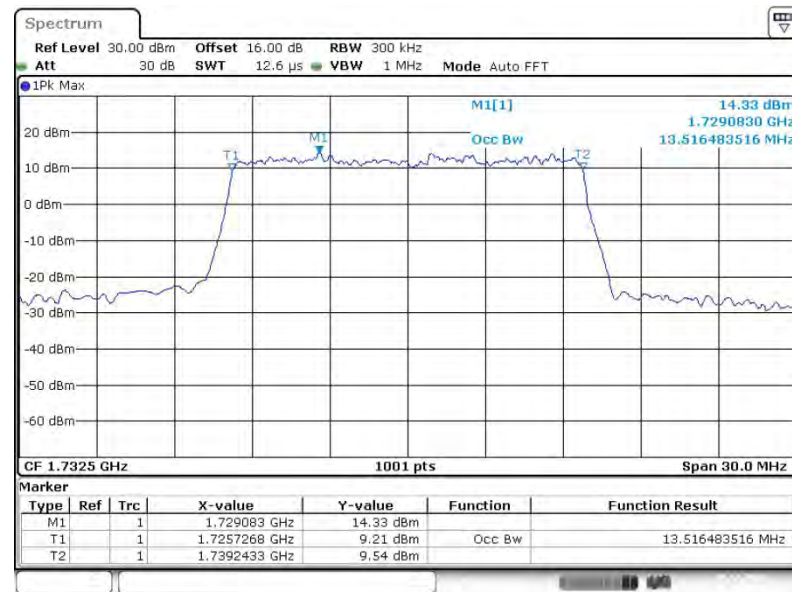
Band :	LTE Band 4	BW / Mod. :	15MHz / QPSK
---------------	------------	--------------------	--------------

99% Occupied Bandwidth Plot on Channel 20025


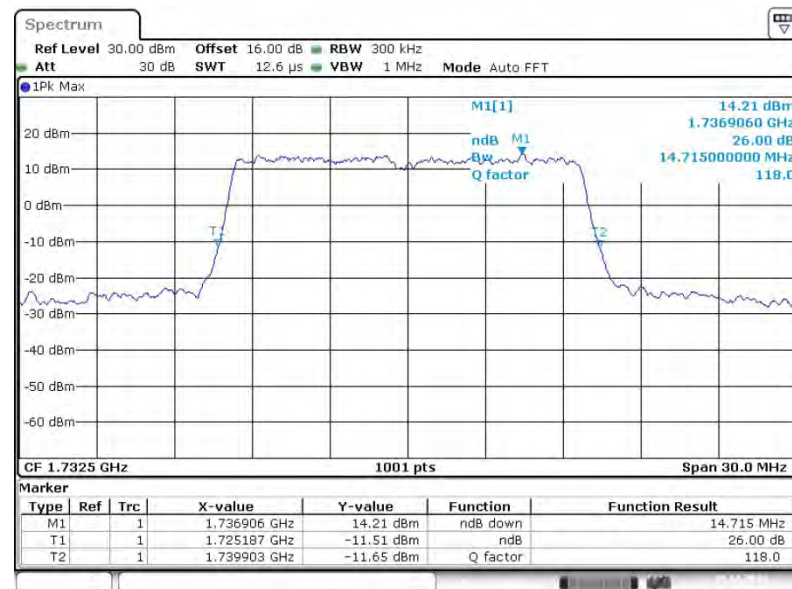
Date: 10 DEC 2014 12:07:31

26dB Bandwidth Plot on Channel 20025


Date: 10 DEC 2014 12:07:54

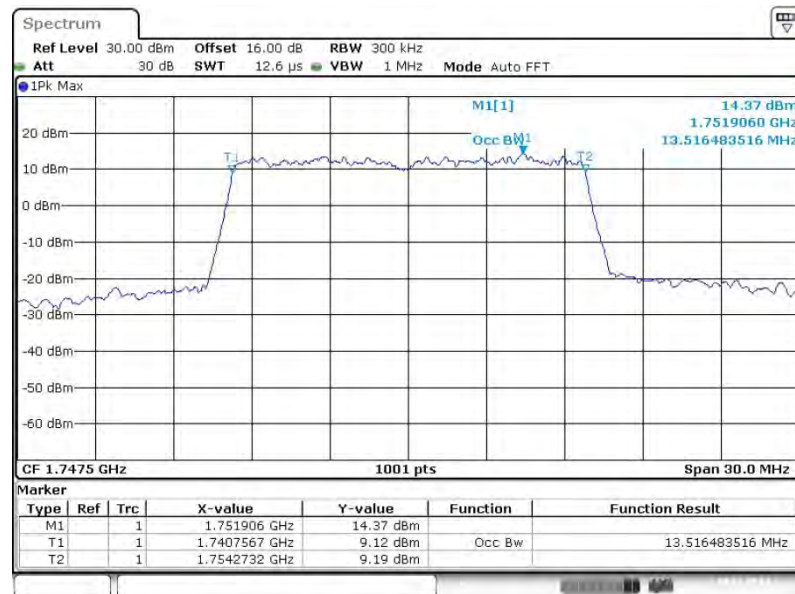
99% Occupied Bandwidth Plot on Channel 20175


Date: 10 DEC.2014 12:15:10

26dB Bandwidth Plot on Channel 20175


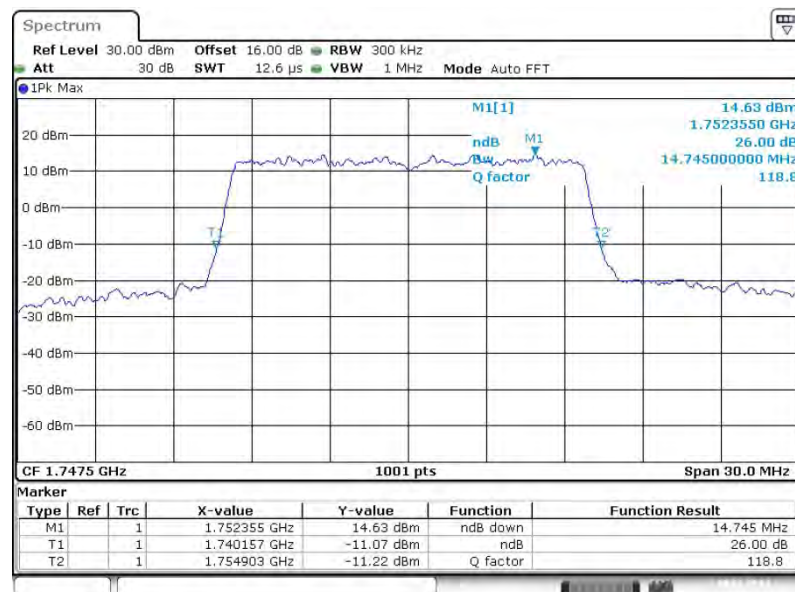
Date: 10 DEC.2014 12:15:33

99% Occupied Bandwidth Plot on Channel 20325



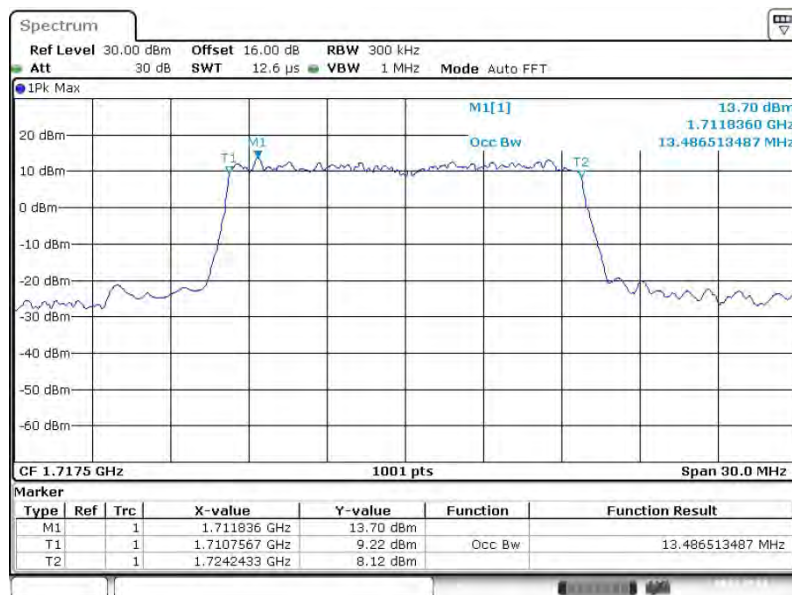
Date: 10 DEC 2014 12:18:13

26dB Bandwidth Plot on Channel 20325

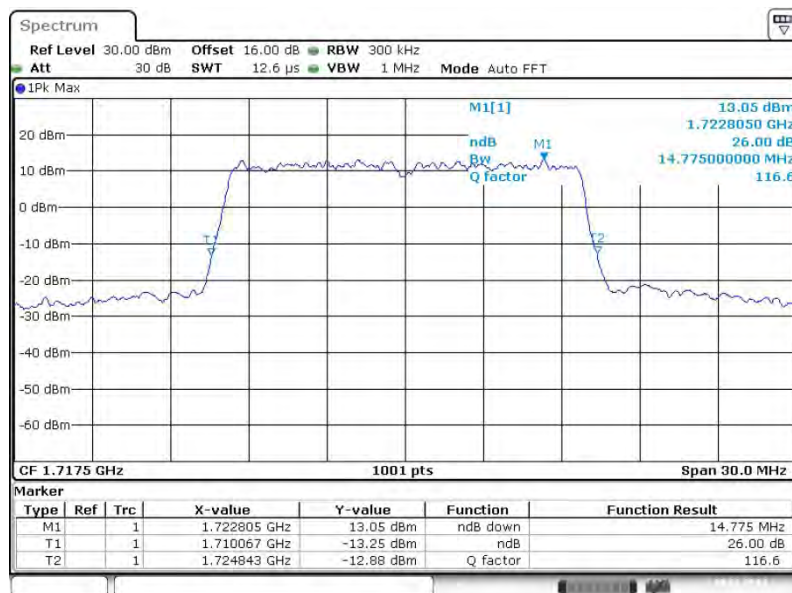


Date: 10 DEC 2014 12:18:36

Band :	LTE Band 4	BW / Mod. :	15MHz / 16QAM
---------------	------------	--------------------	---------------

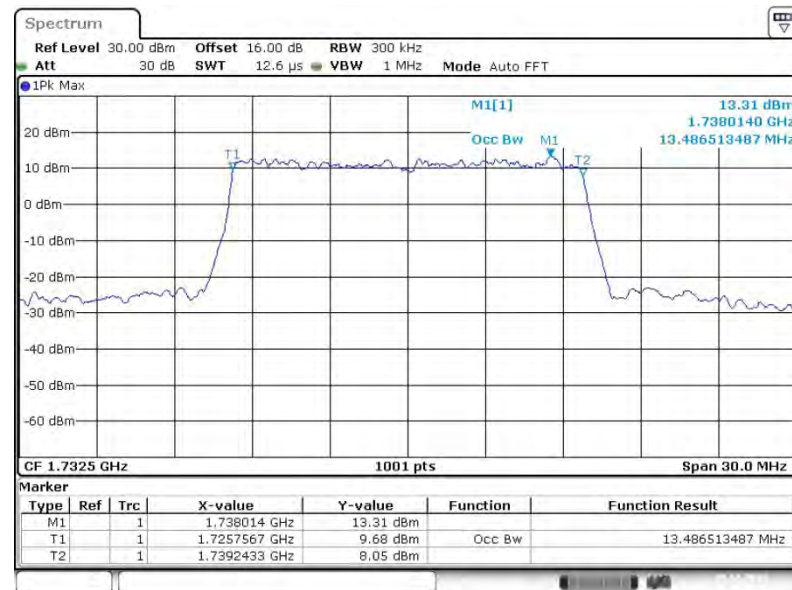
99% Occupied Bandwidth Plot on Channel 20025


Date: 10 DEC 2014 12:07:41

26dB Bandwidth Plot on Channel 20025


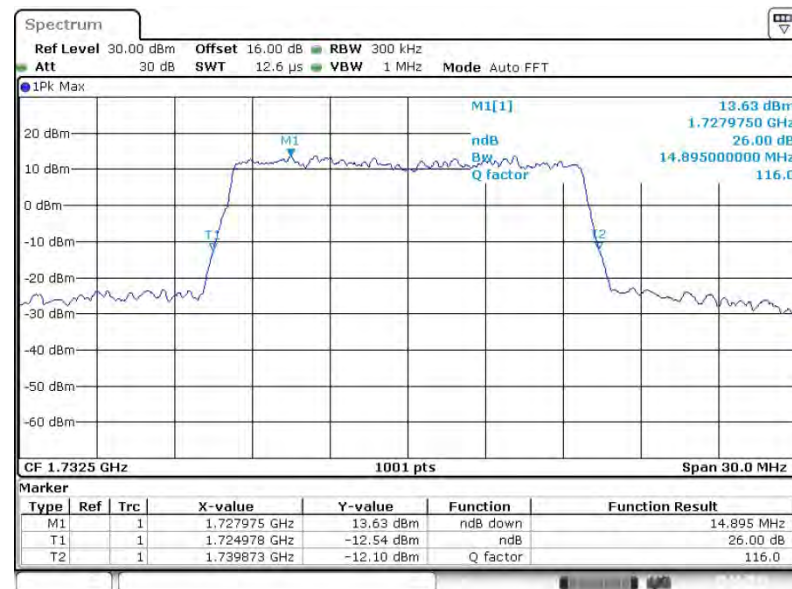
Date: 10 DEC 2014 12:08:06

99% Occupied Bandwidth Plot on Channel 20175

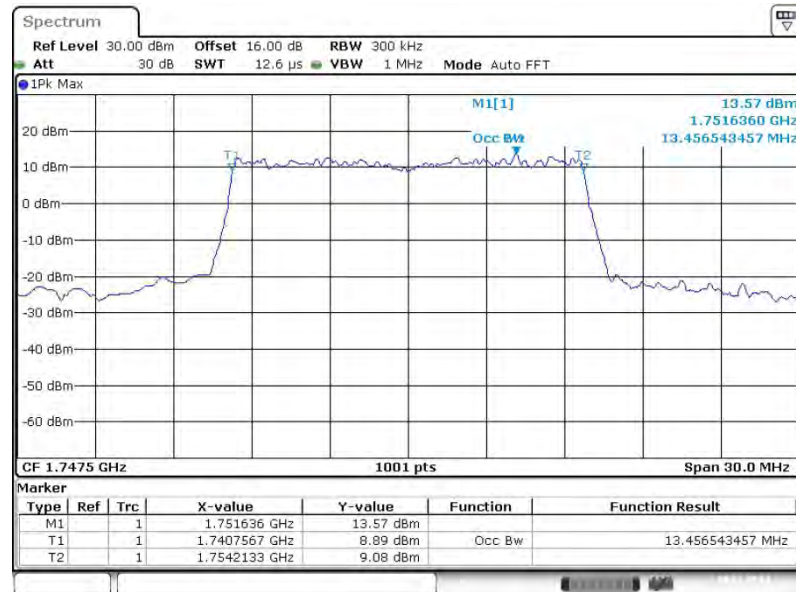


Date: 10 DEC.2014 12:15:20

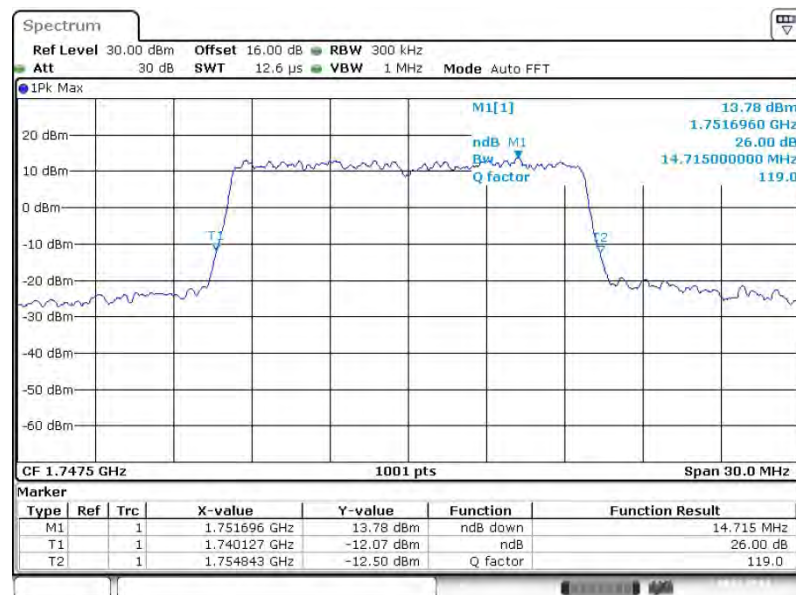
26dB Bandwidth Plot on Channel 20175



Date: 10 DEC.2014 12:15:45

99% Occupied Bandwidth Plot on Channel 20325


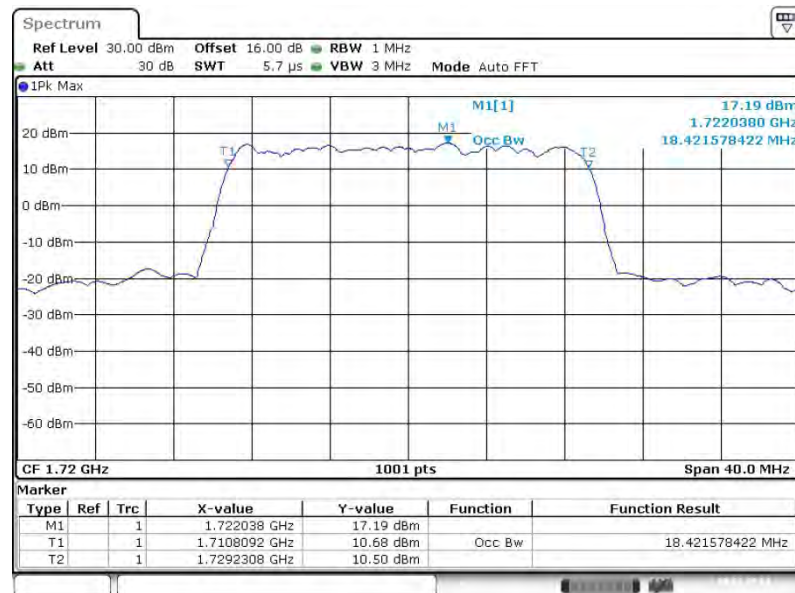
Date: 10 DEC 2014 12:18:24

26dB Bandwidth Plot on Channel 20325


Date: 10 DEC 2014 12:18:49

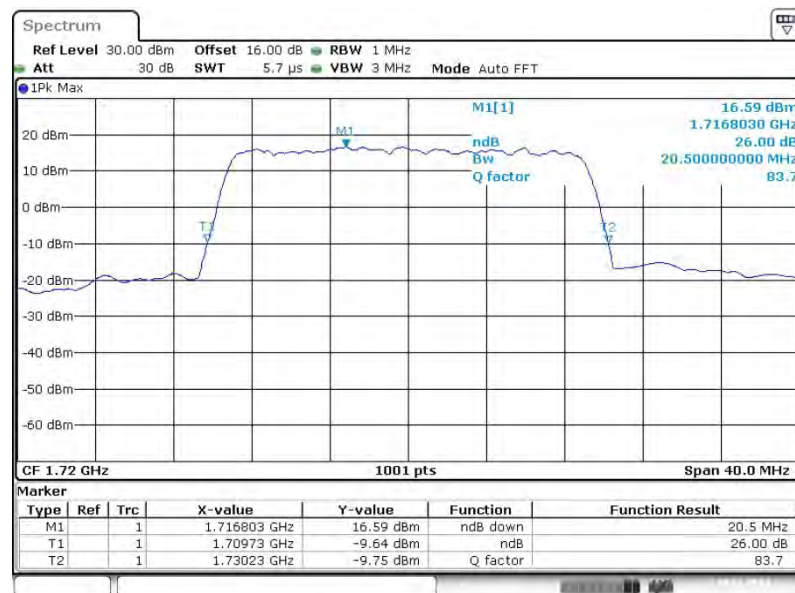
Band :	LTE Band 4	BW / Mod. :	20MHz / QPSK
--------	------------	-------------	--------------

99% Occupied Bandwidth Plot on Channel 20050



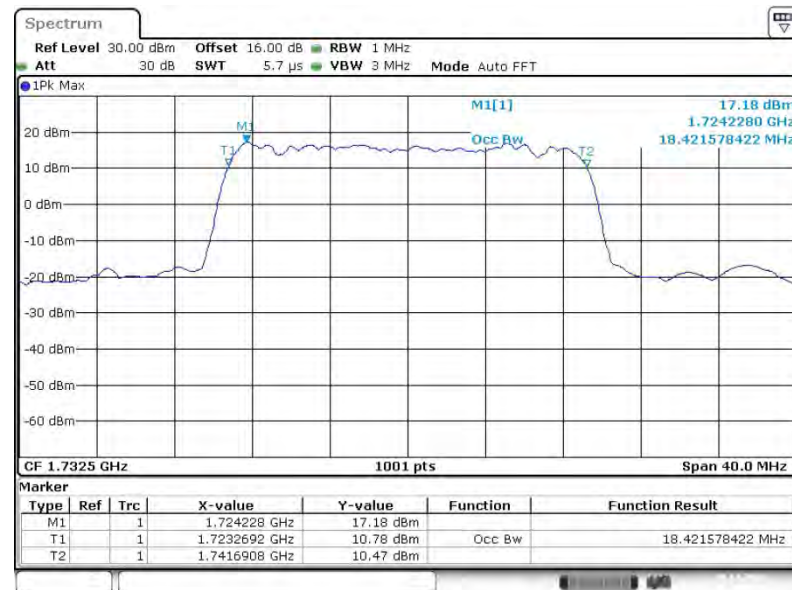
Date: 10 DEC 2014 12:31:05

26dB Bandwidth Plot on Channel 20050



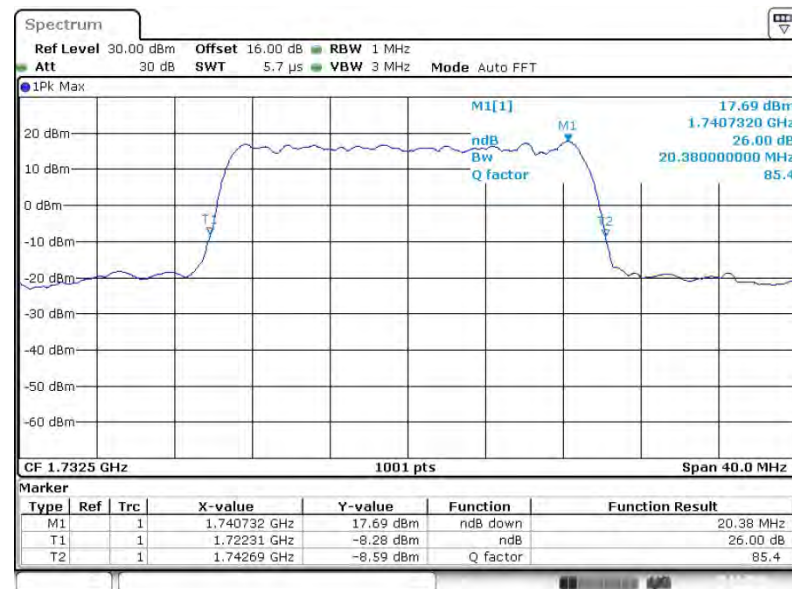
Date: 10 DEC 2014 12:31:28

99% Occupied Bandwidth Plot on Channel 20175



Date: 10 DEC. 2014 12:38:43

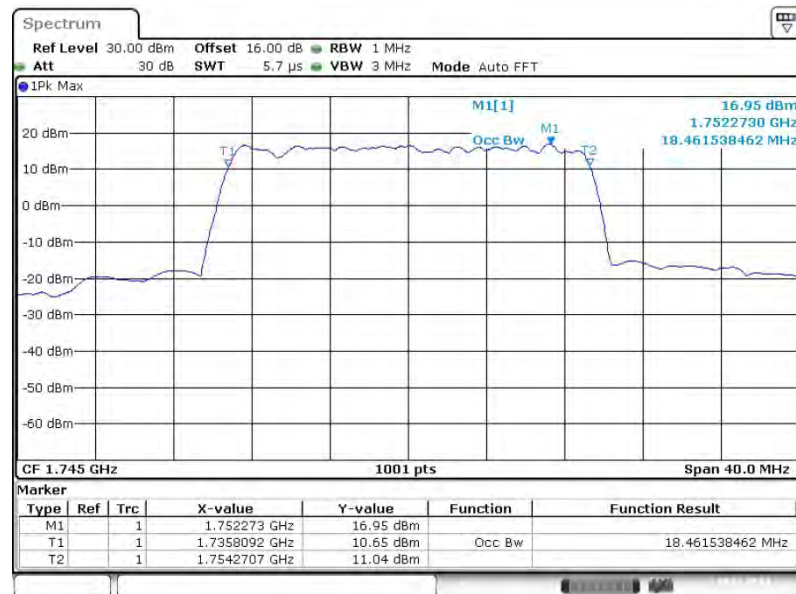
26dB Bandwidth Plot on Channel 20175



Date: 10 DEC. 2014 12:39:06

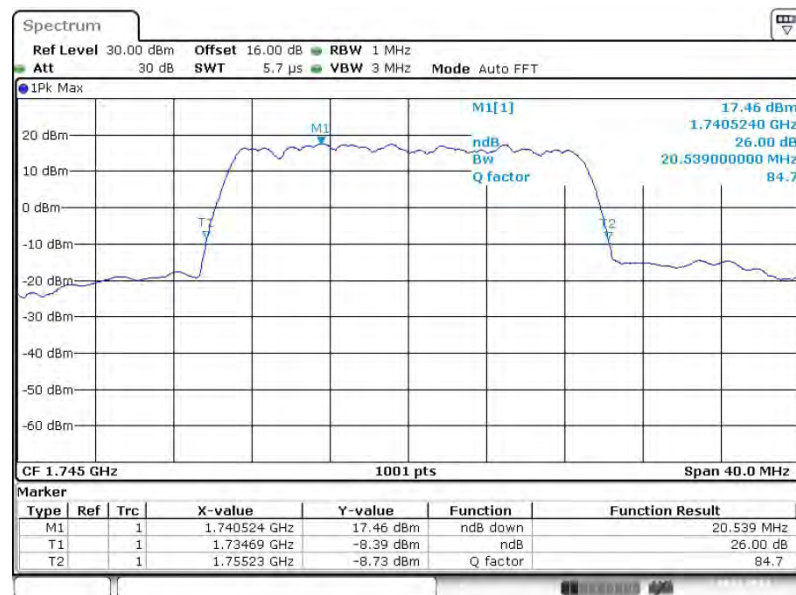


99% Occupied Bandwidth Plot on Channel 20300



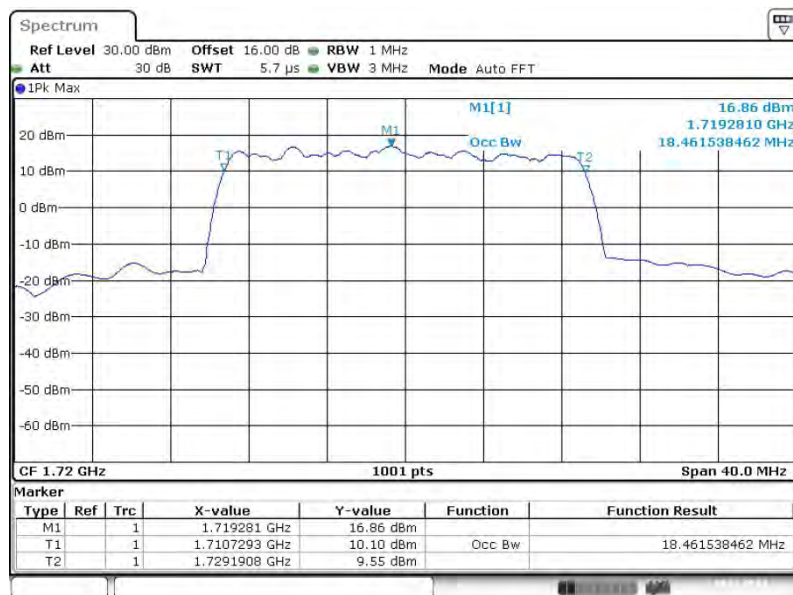
Date: 10 DEC 2014 12:41:46

26dB Bandwidth Plot on Channel 20300

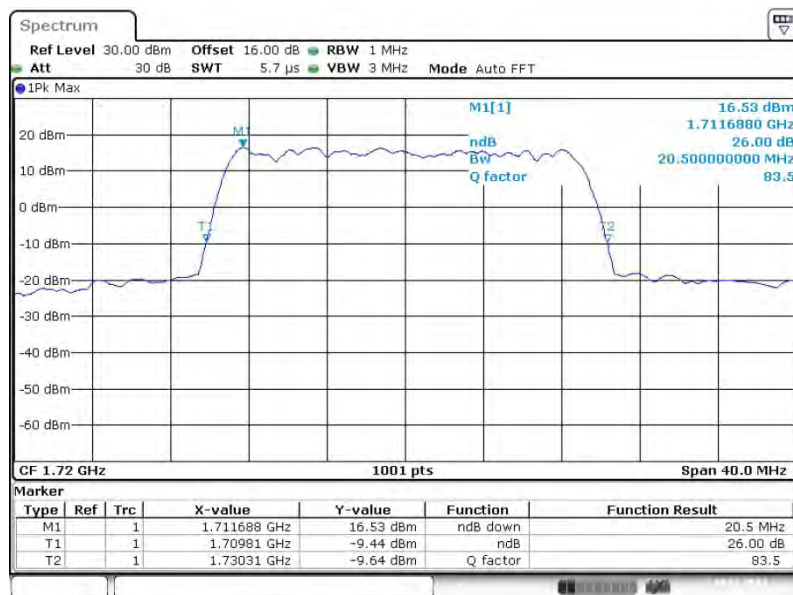


Date: 10 DEC 2014 12:42:09

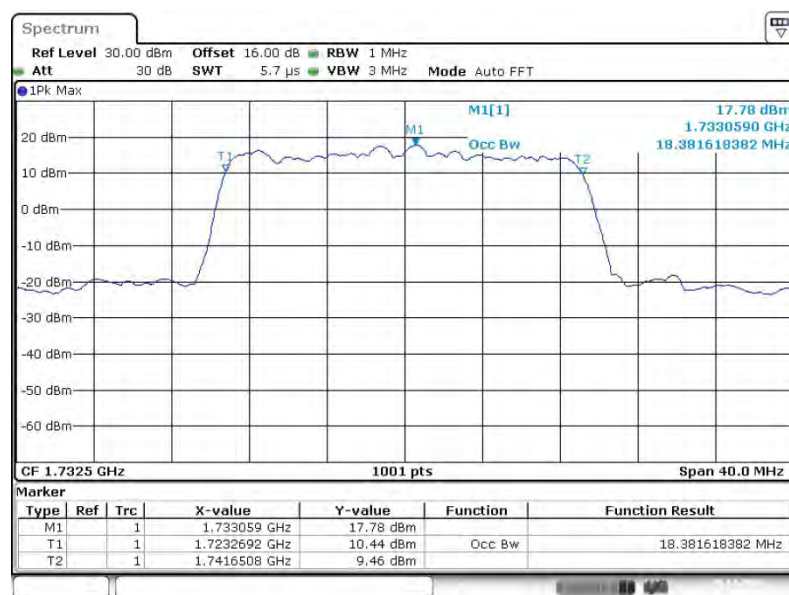
Band :	LTE Band 4	BW / Mod. :	20MHz / 16QAM
---------------	------------	--------------------	---------------

99% Occupied Bandwidth Plot on Channel 20050


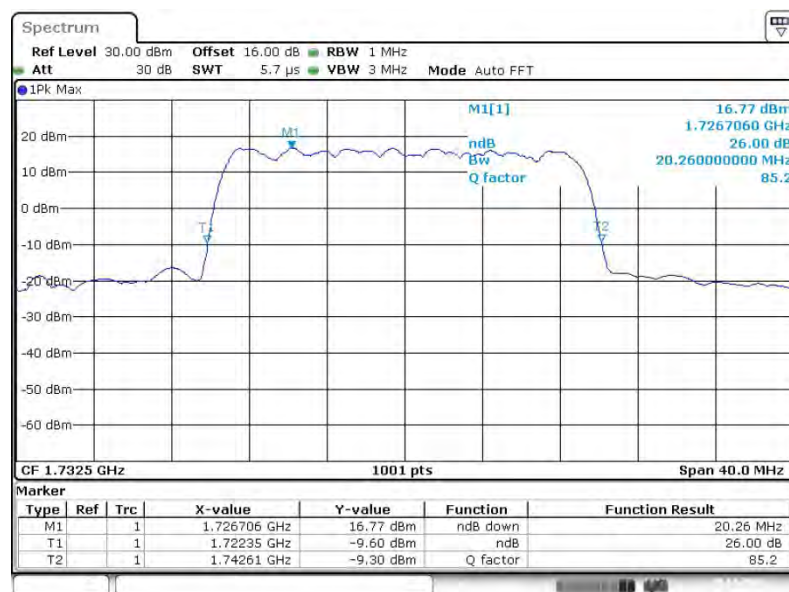
Date: 10 DEC 2014 12:31:16

26dB Bandwidth Plot on Channel 20050


Date: 10 DEC 2014 12:31:41

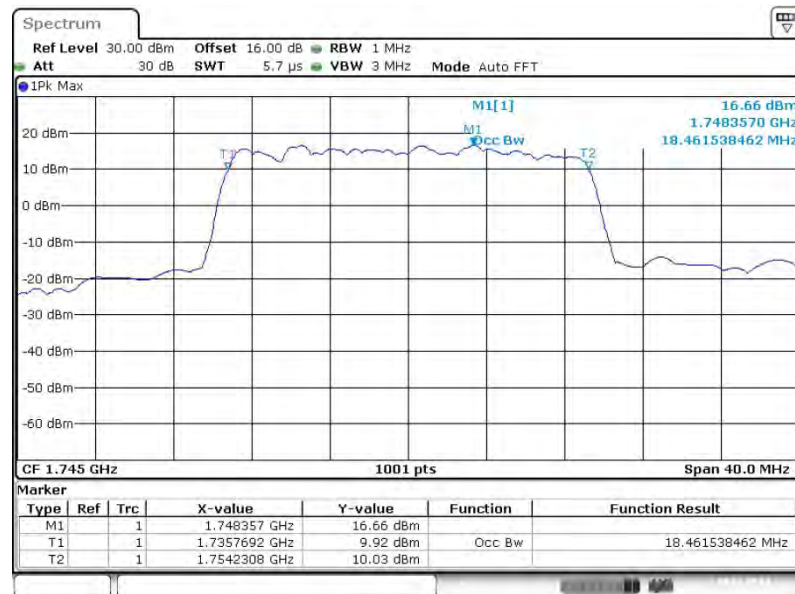
99% Occupied Bandwidth Plot on Channel 20175


Date: 10 DEC. 2014 12:38:53

26dB Bandwidth Plot on Channel 20175


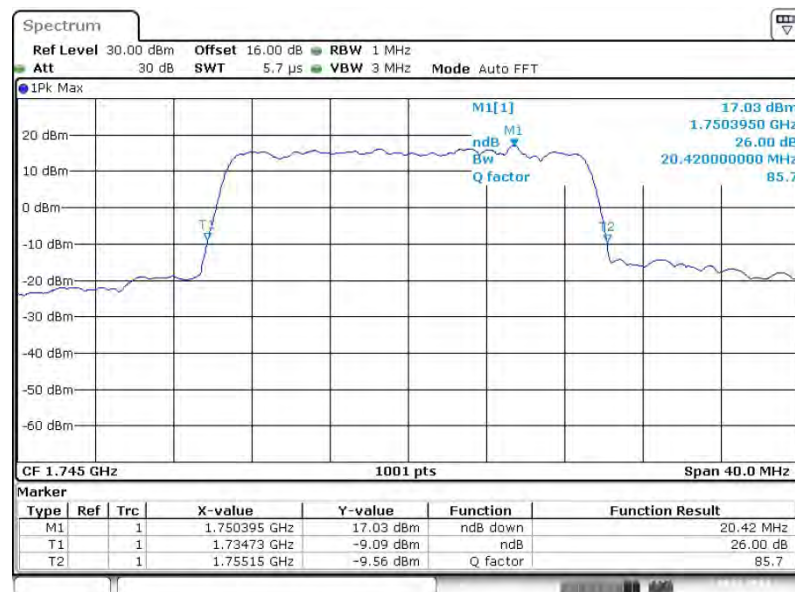
Date: 10 DEC. 2014 12:39:18

99% Occupied Bandwidth Plot on Channel 20300



Date: 10 DEC 2014 12:41:57

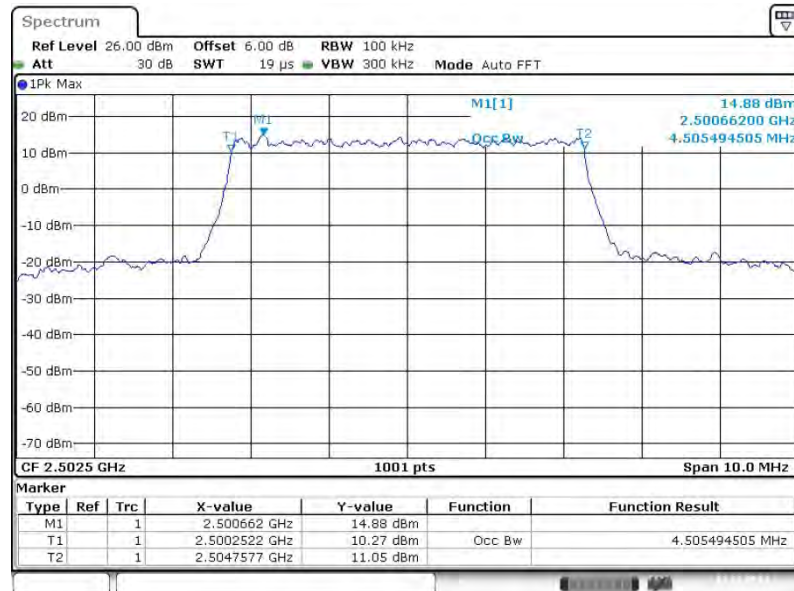
26dB Bandwidth Plot on Channel 20300



Date: 10 DEC 2014 12:42:22

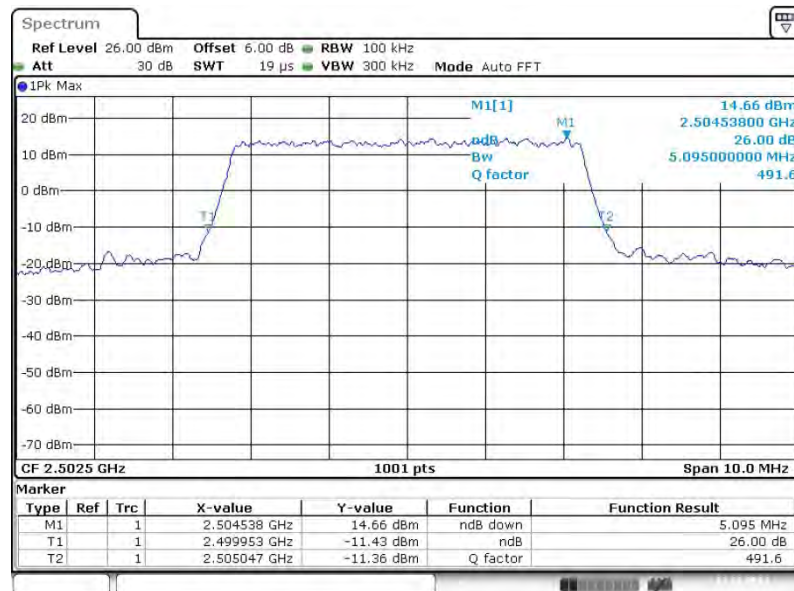
Band :	LTE Band 7	BW / Mod. :	5MHz / QPSK
--------	------------	-------------	-------------

99% Occupied Bandwidth Plot on Channel 20775



Date: 12 DEC 2014 18:25:15

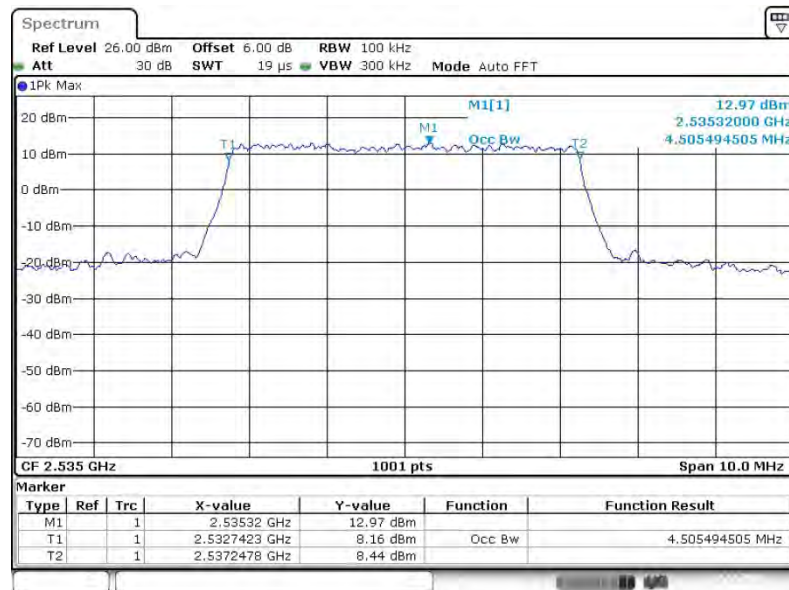
26dB Bandwidth Plot on Channel 20775



Date: 12 DEC 2014 18:25:38

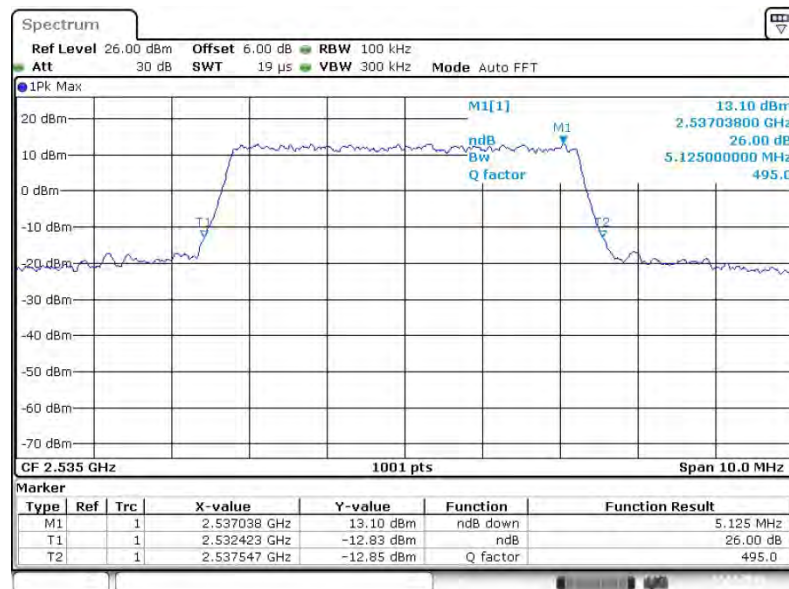


99% Occupied Bandwidth Plot on Channel 21100



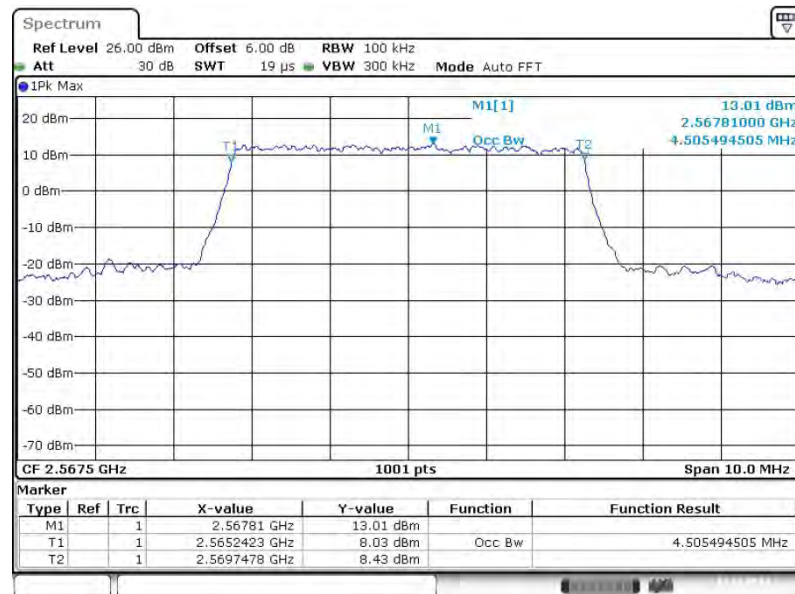
Date: 12 DEC. 2014 18:32:52

26dB Bandwidth Plot on Channel 21100



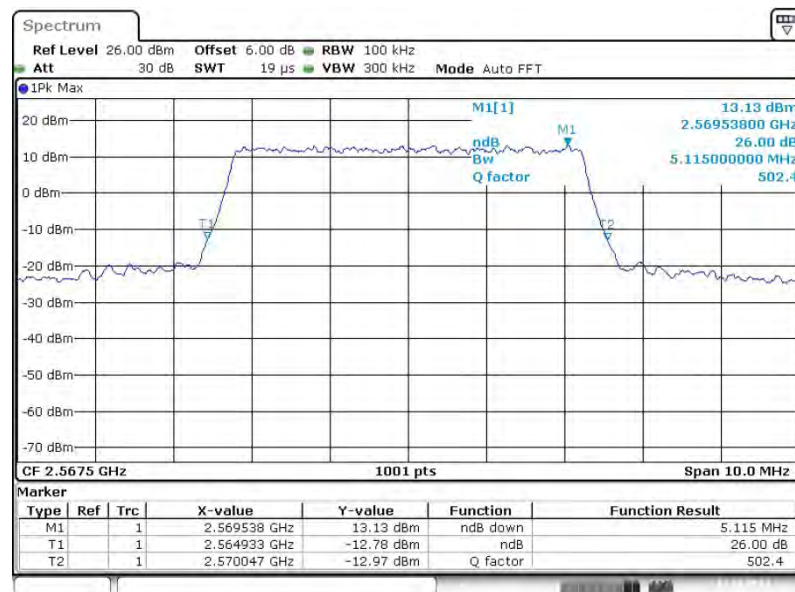
Date: 12 DEC. 2014 18:33:15

99% Occupied Bandwidth Plot on Channel 21425



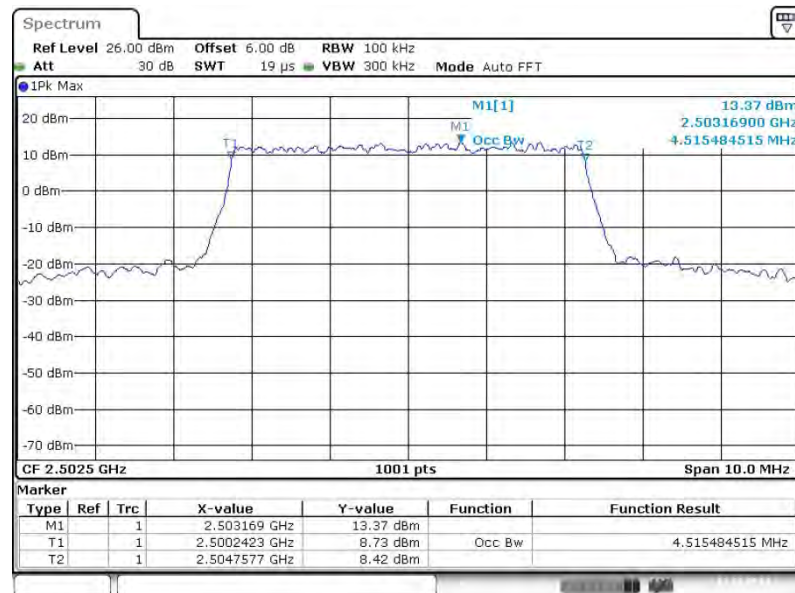
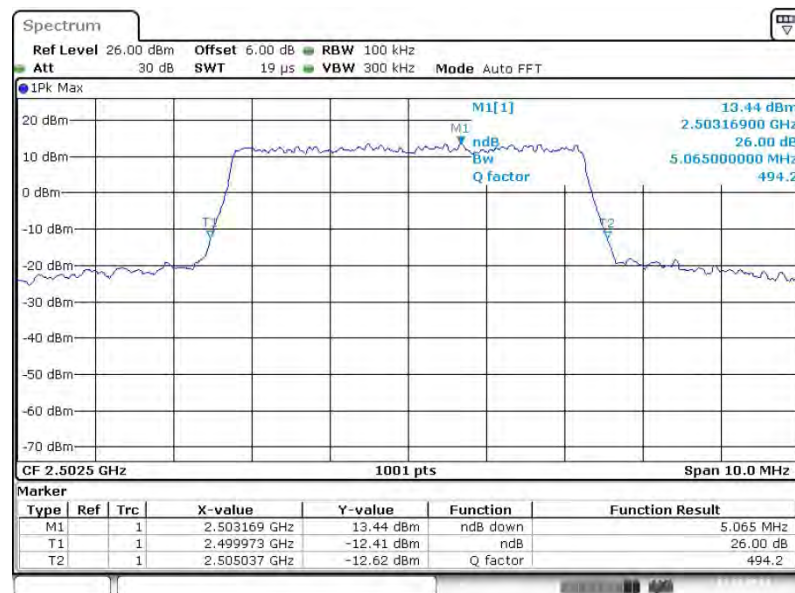
Date: 12 DEC 2014 18:35:55

26dB Bandwidth Plot on Channel 21425



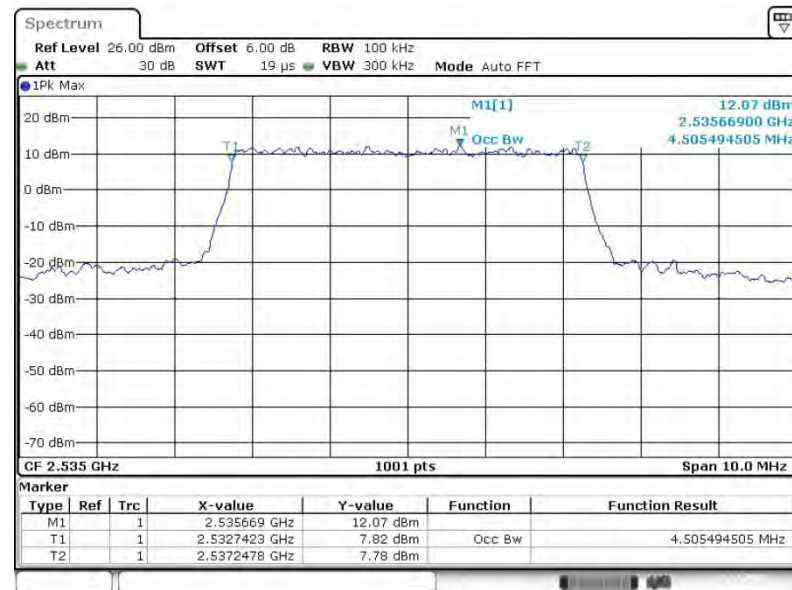
Date: 12 DEC 2014 18:36:18

Band :	LTE Band 7	BW / Mod. :	5MHz / 16QAM
---------------	------------	--------------------	--------------

99% Occupied Bandwidth Plot on Channel 20775

26dB Bandwidth Plot on Channel 20775


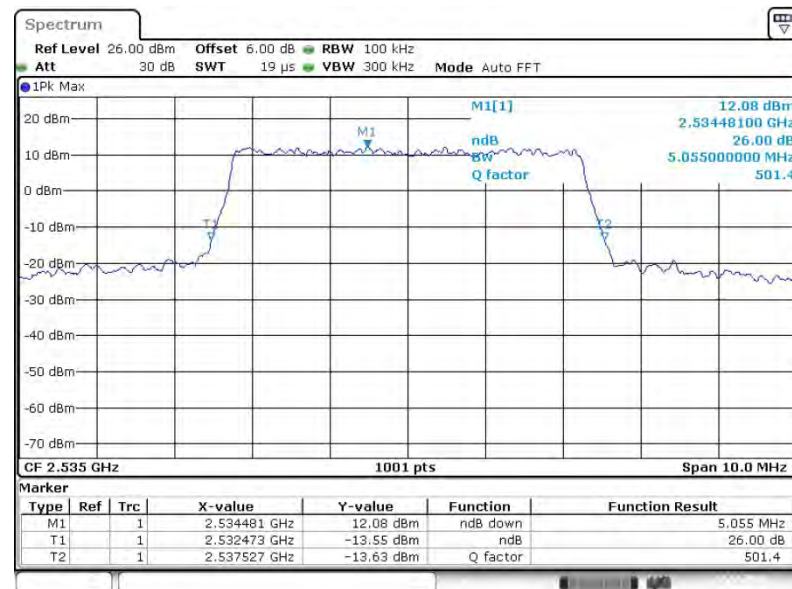


99% Occupied Bandwidth Plot on Channel 21100



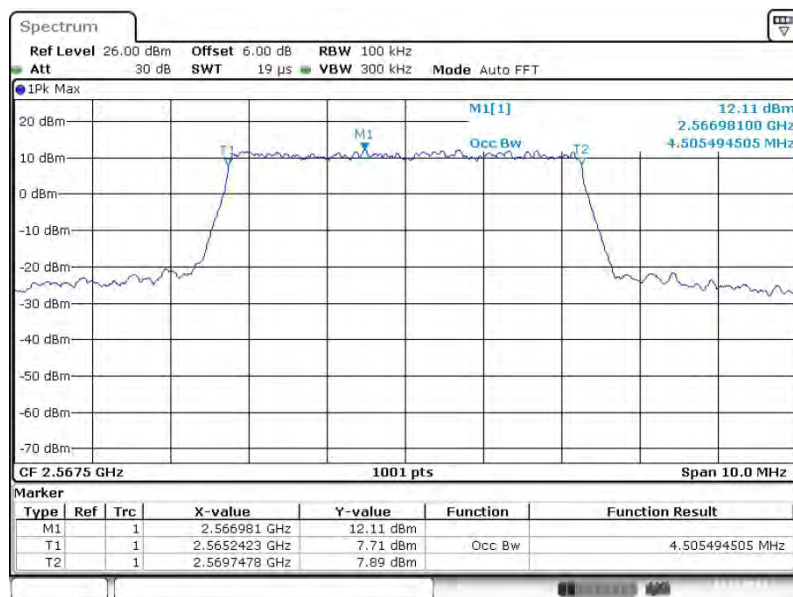
Date: 12 DEC. 2014 18:33:02

26dB Bandwidth Plot on Channel 21100

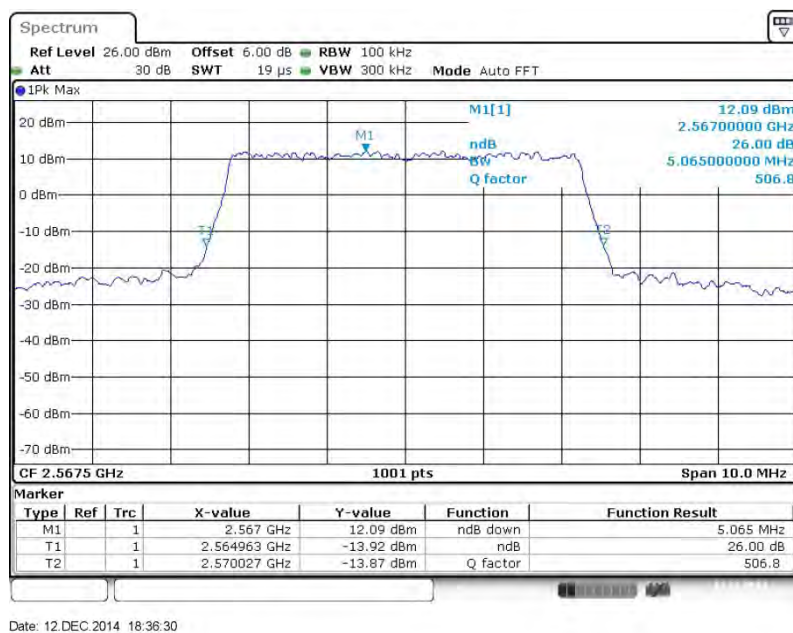


Date: 12 DEC. 2014 18:33:27

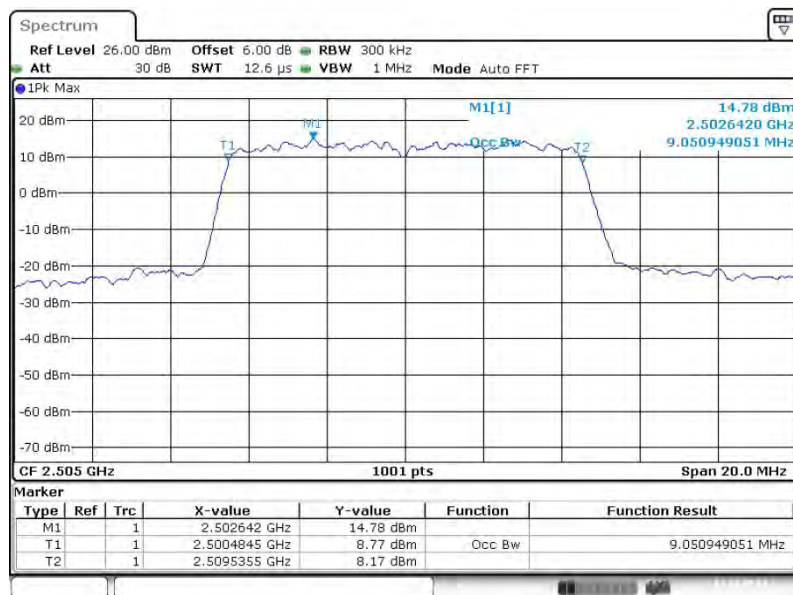
99% Occupied Bandwidth Plot on Channel 21425



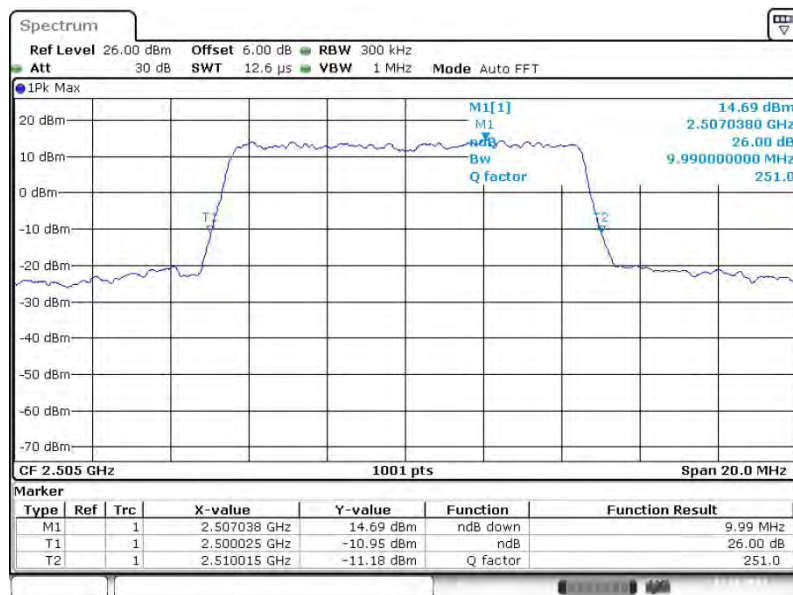
26dB Bandwidth Plot on Channel 21425



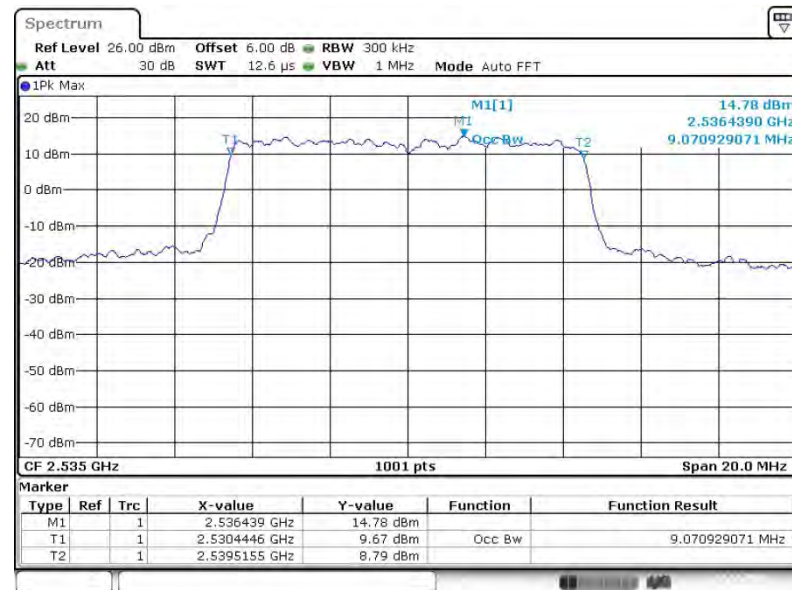
Band :	LTE Band 7	BW / Mod. :	10MHz / QPSK
---------------	------------	--------------------	--------------

99% Occupied Bandwidth Plot on Channel 20800


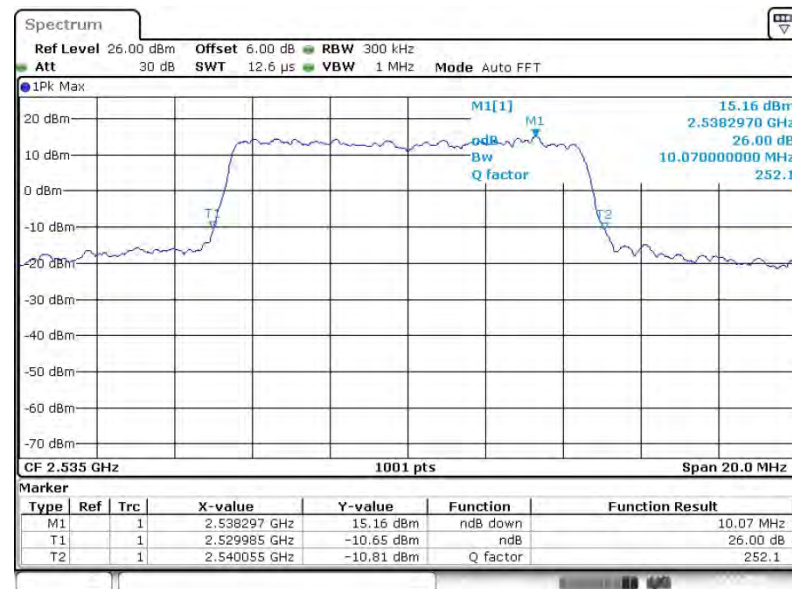
Date: 12 DEC 2014 18:43:31

26dB Bandwidth Plot on Channel 20800


Date: 12 DEC 2014 18:43:54

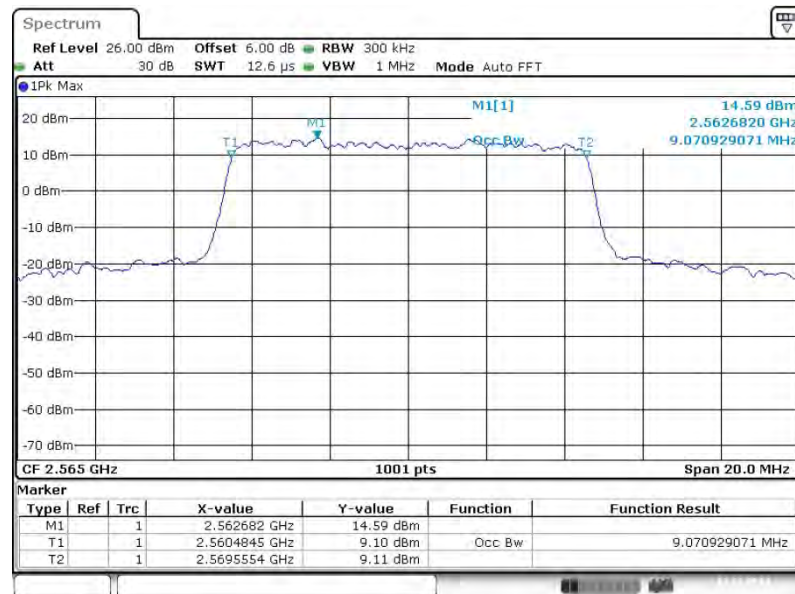
99% Occupied Bandwidth Plot on Channel 21100


Date: 12 DEC. 2014 18:51:07

26dB Bandwidth Plot on Channel 21100


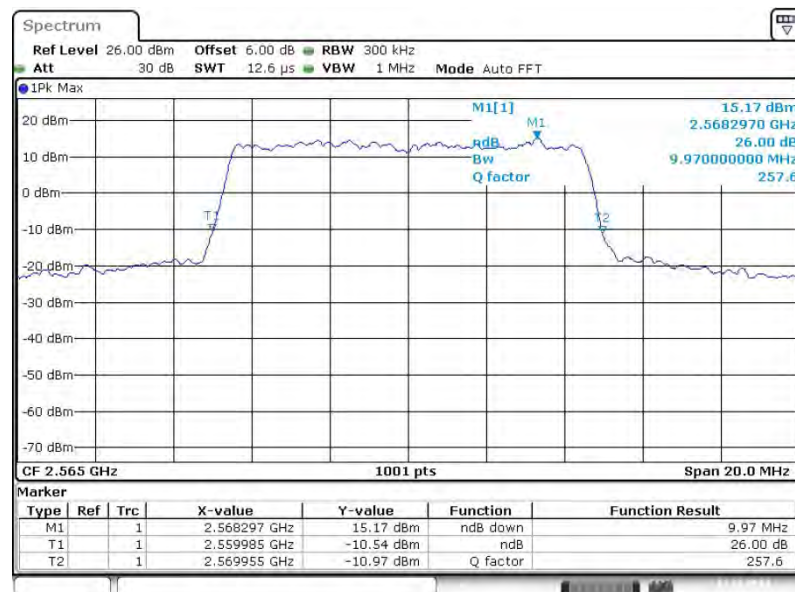
Date: 12 DEC. 2014 18:51:30

99% Occupied Bandwidth Plot on Channel 21400



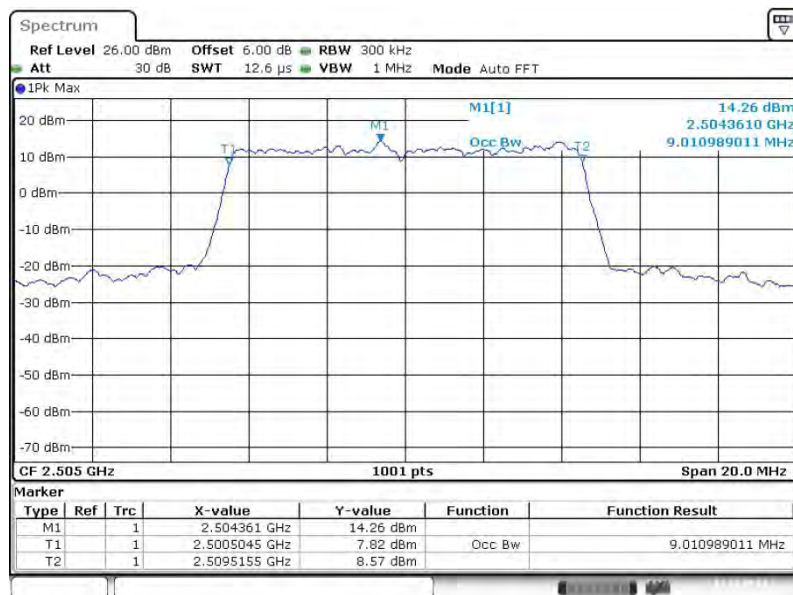
Date: 12 DEC 2014 18:54:10

26dB Bandwidth Plot on Channel 21400

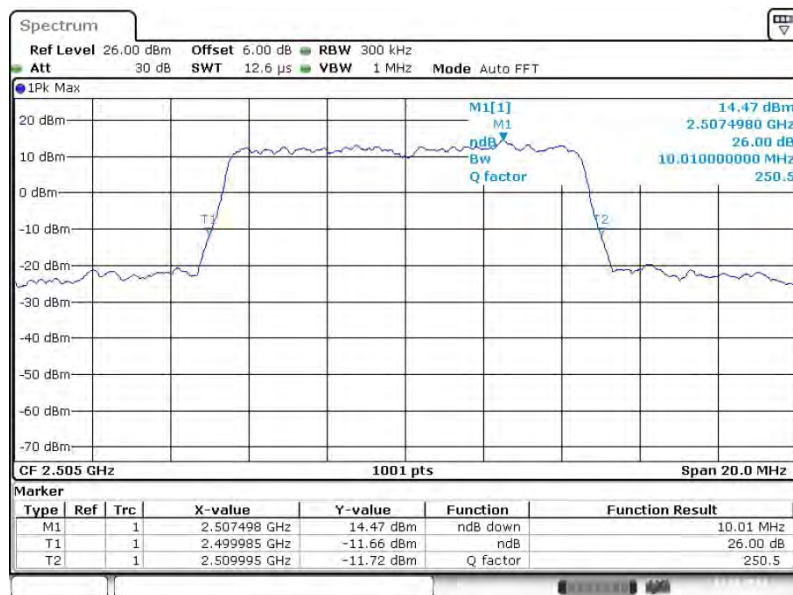


Date: 12 DEC 2014 18:54:33

Band :	LTE Band 7	BW / Mod. :	10MHz / 16QAM
---------------	------------	--------------------	---------------

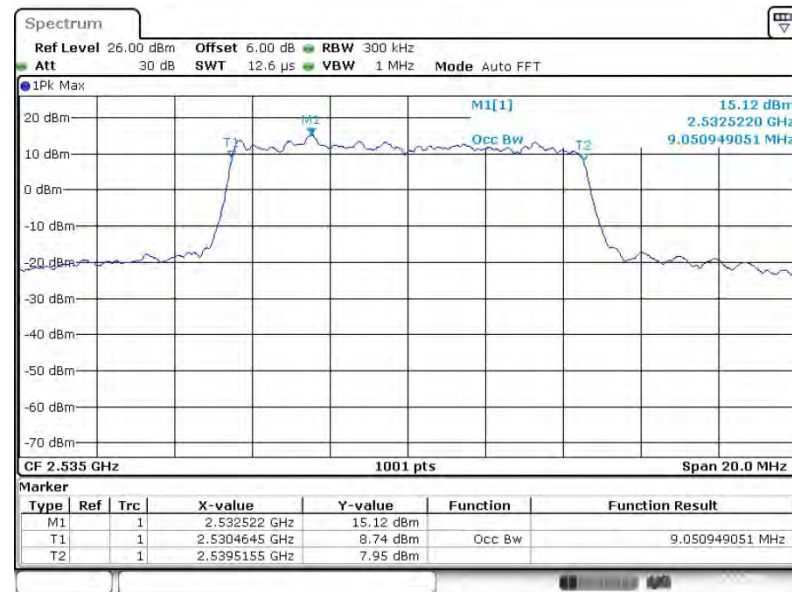
99% Occupied Bandwidth Plot on Channel 20800


Date: 12 DEC 2014 18:43:42

26dB Bandwidth Plot on Channel 20800


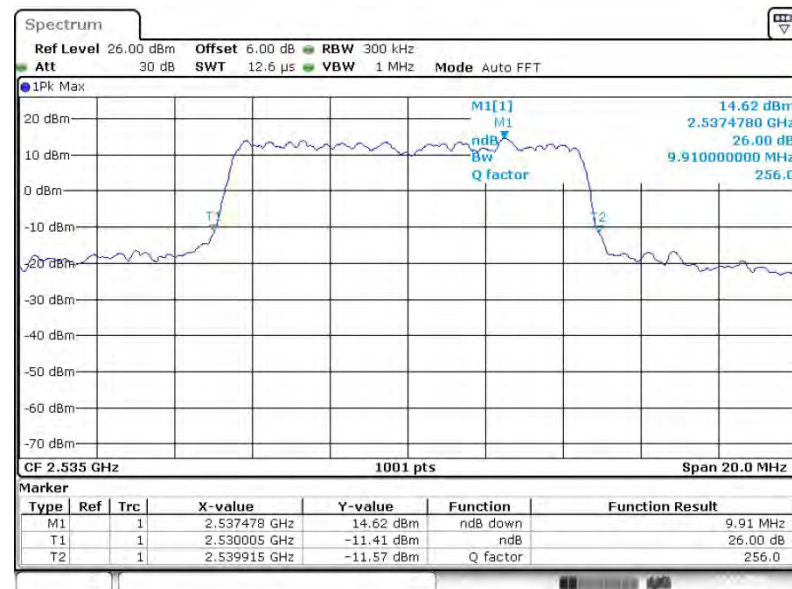
Date: 12 DEC 2014 18:44:07

99% Occupied Bandwidth Plot on Channel 21100



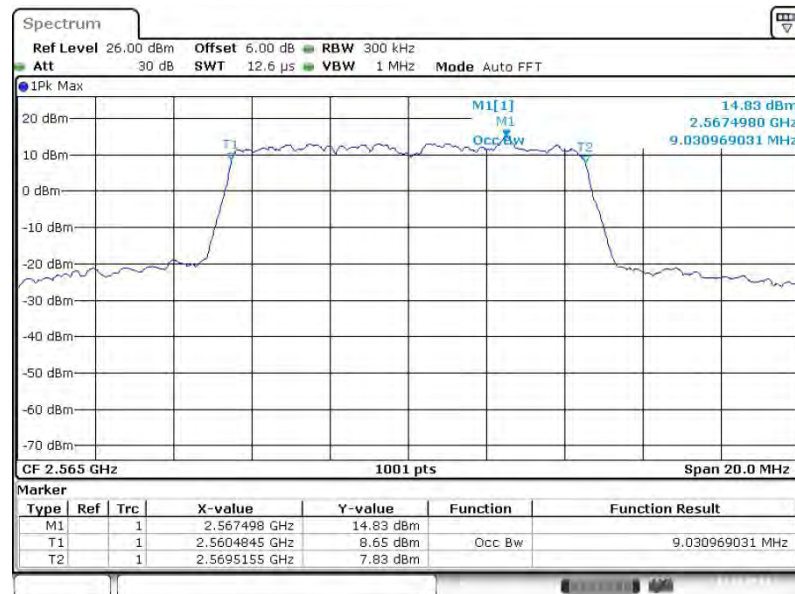
Date: 12 DEC. 2014 18:51:18

26dB Bandwidth Plot on Channel 21100



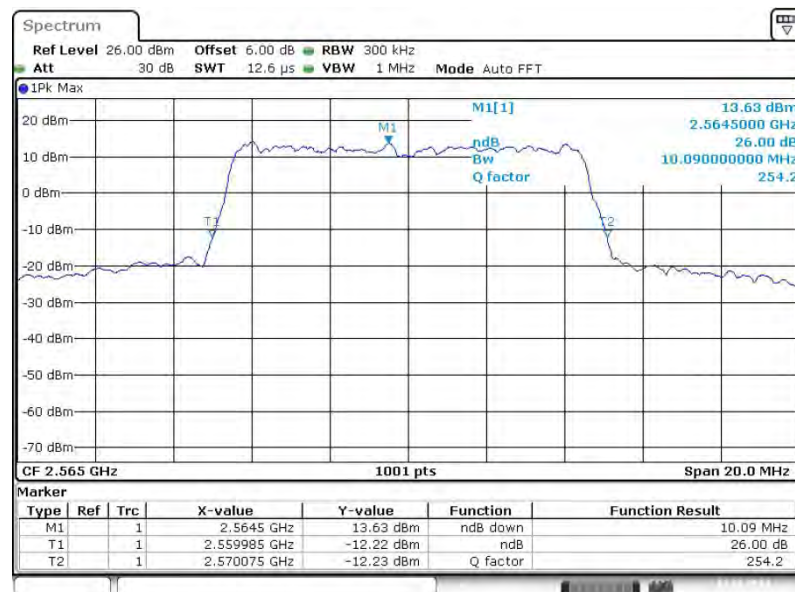
Date: 12 DEC. 2014 18:51:43

99% Occupied Bandwidth Plot on Channel 21400



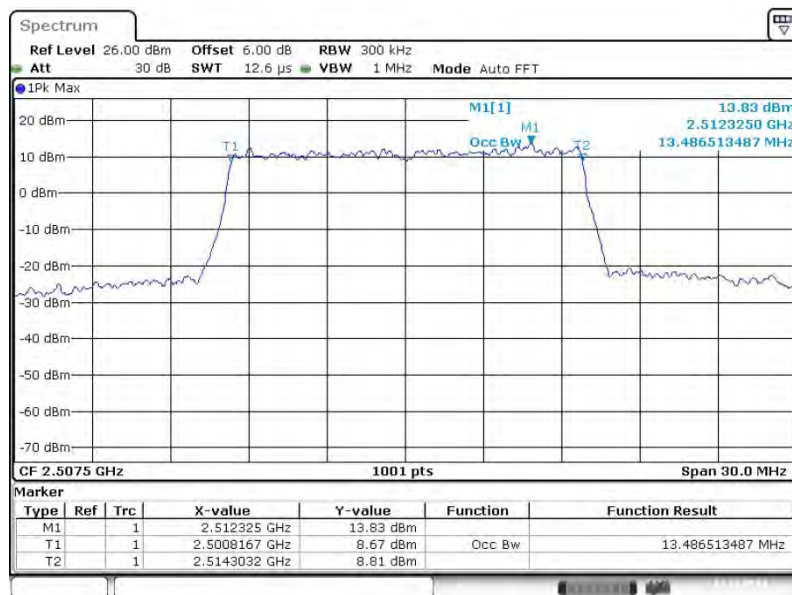
Date: 12 DEC 2014 18:54:21

26dB Bandwidth Plot on Channel 21400

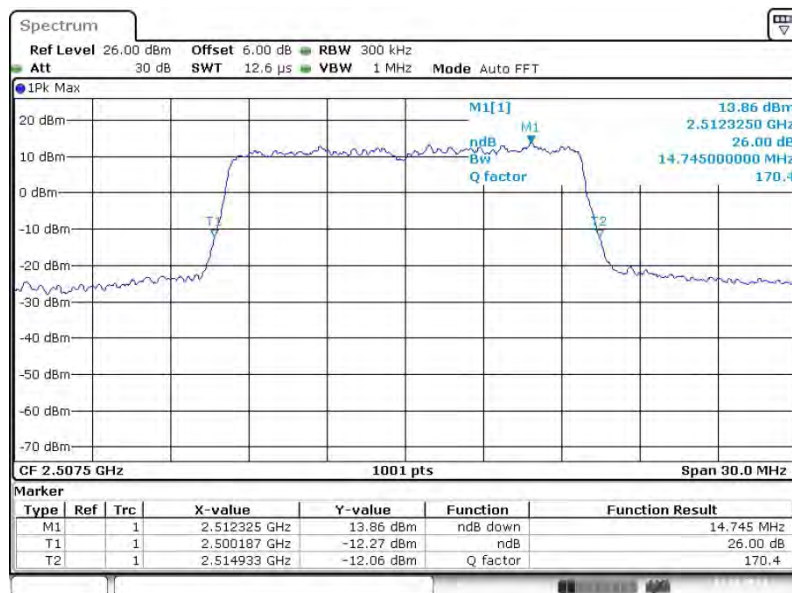


Date: 12 DEC 2014 18:54:46

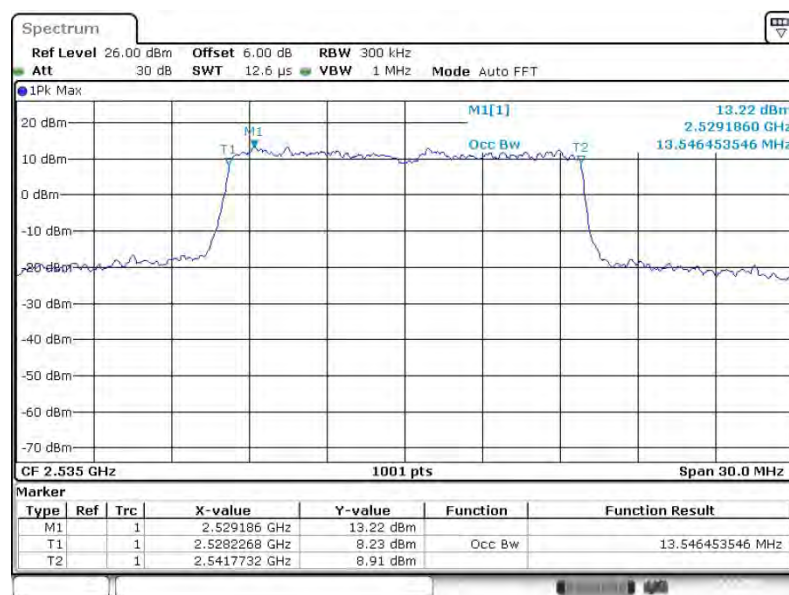
Band :	LTE Band 7	BW / Mod. :	15MHz / QPSK
---------------	------------	--------------------	--------------

99% Occupied Bandwidth Plot on Channel 20825


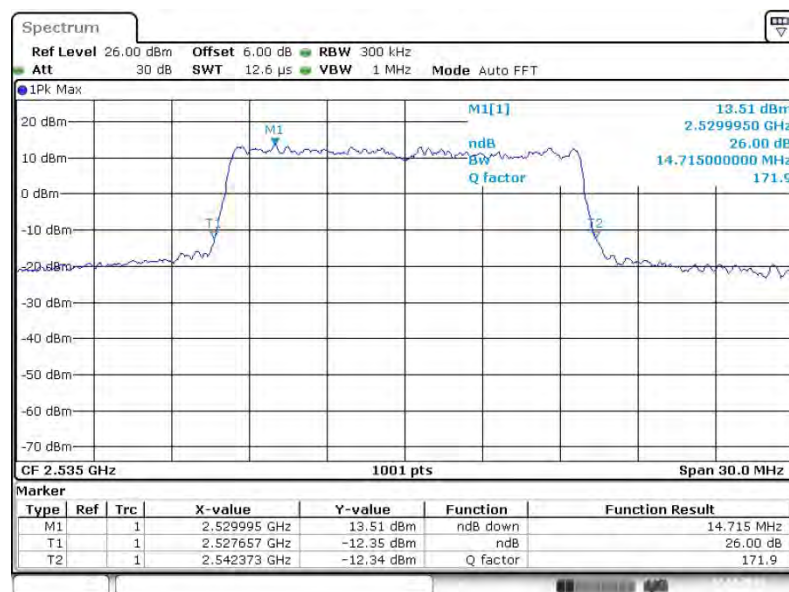
Date: 12 DEC 2014 19:01:47

26dB Bandwidth Plot on Channel 20825


Date: 12 DEC 2014 19:02:10

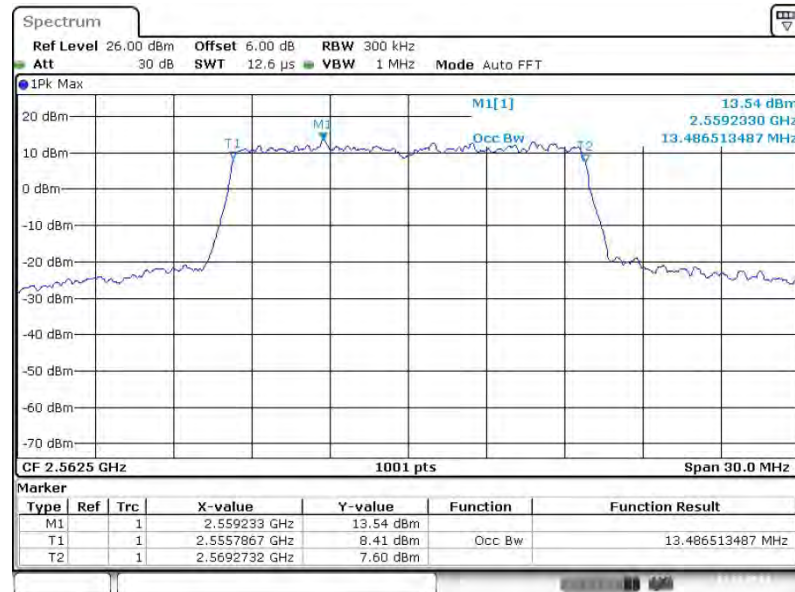
99% Occupied Bandwidth Plot on Channel 21100


Date: 12 DEC. 2014 19:09:24

26dB Bandwidth Plot on Channel 21100


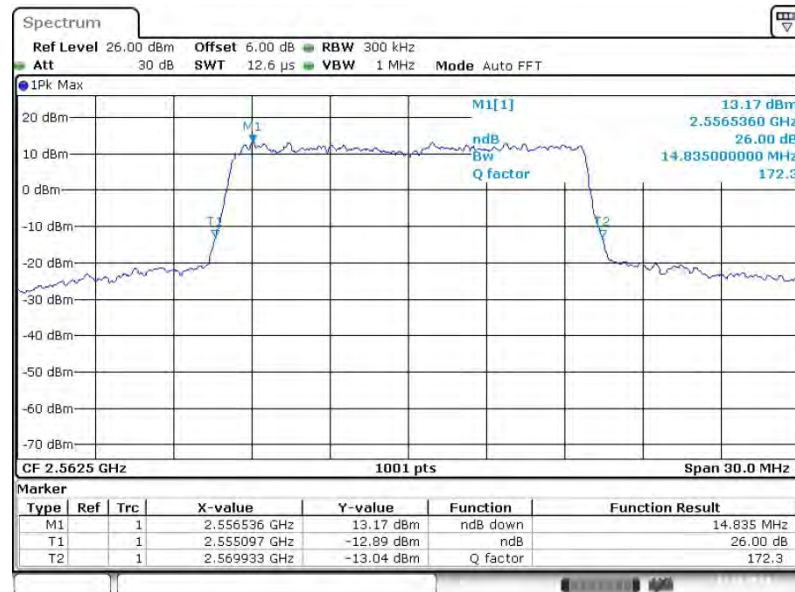
Date: 12 DEC. 2014 19:09:47

99% Occupied Bandwidth Plot on Channel 21375



Date: 12 DEC 2014 19:12:27

26dB Bandwidth Plot on Channel 21375

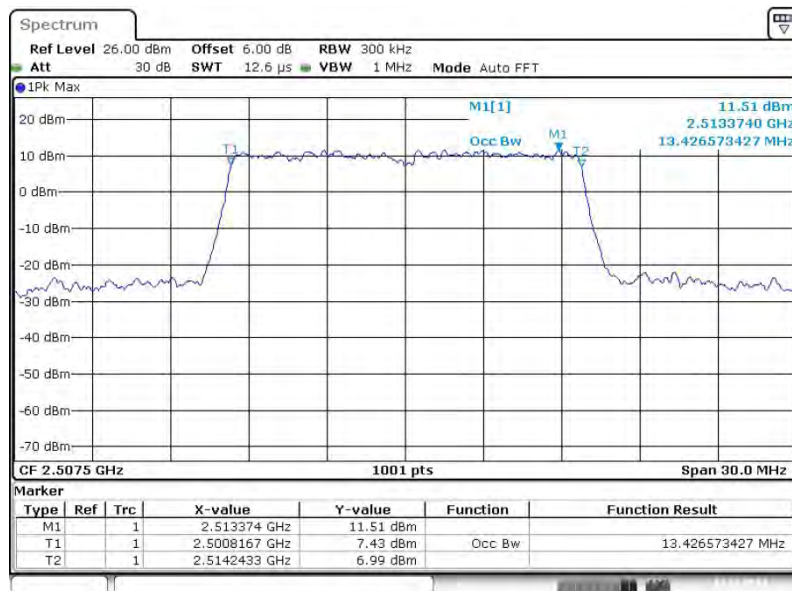


Date: 12 DEC 2014 19:12:50



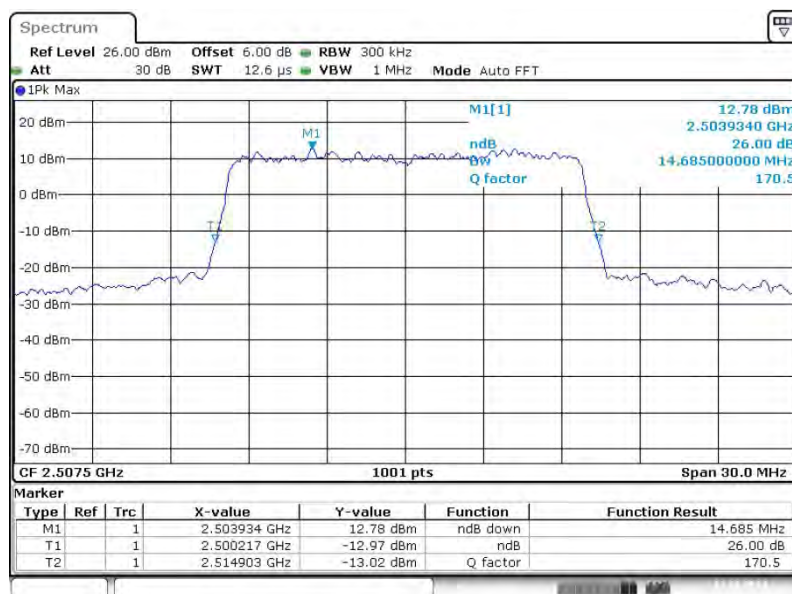
Band :	LTE Band 7	BW / Mod. :	15MHz / 16QAM
--------	------------	-------------	---------------

99% Occupied Bandwidth Plot on Channel 20825

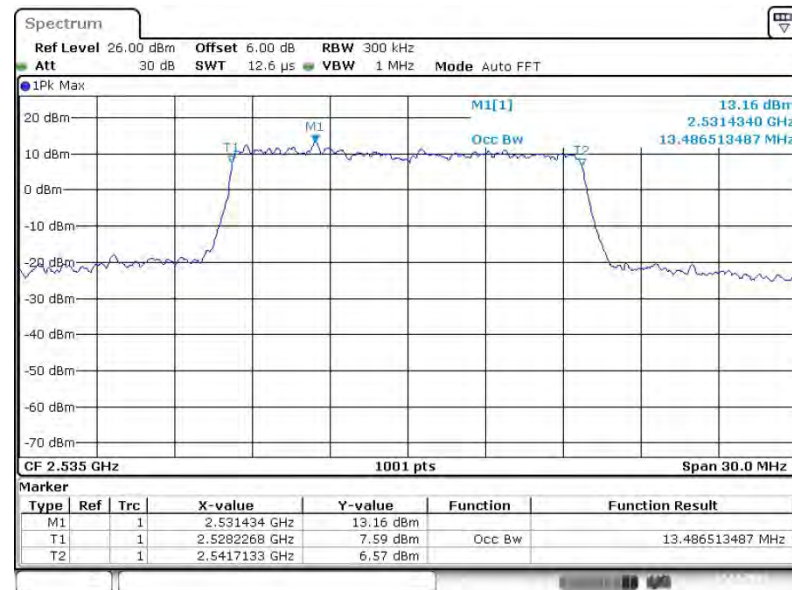


Date: 12 DEC 2014 19:01:58

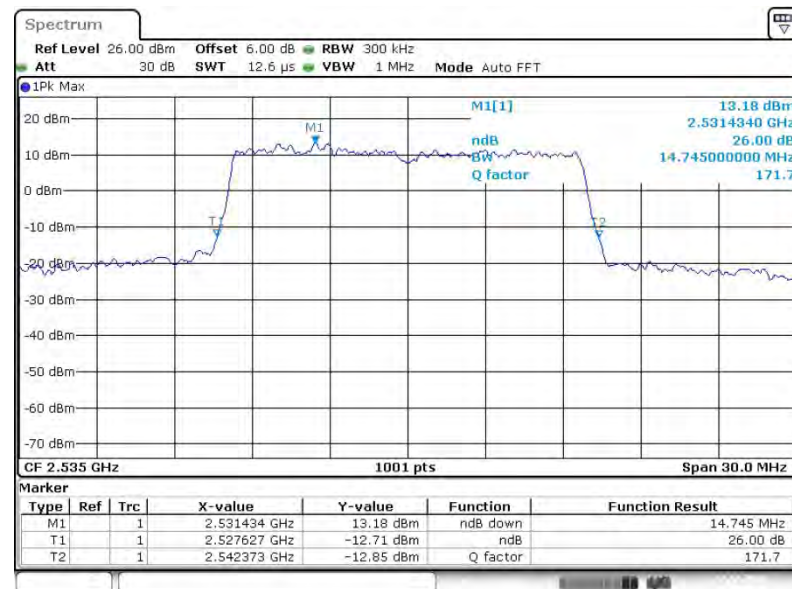
26dB Bandwidth Plot on Channel 20825



Date: 12 DEC 2014 19:02:23

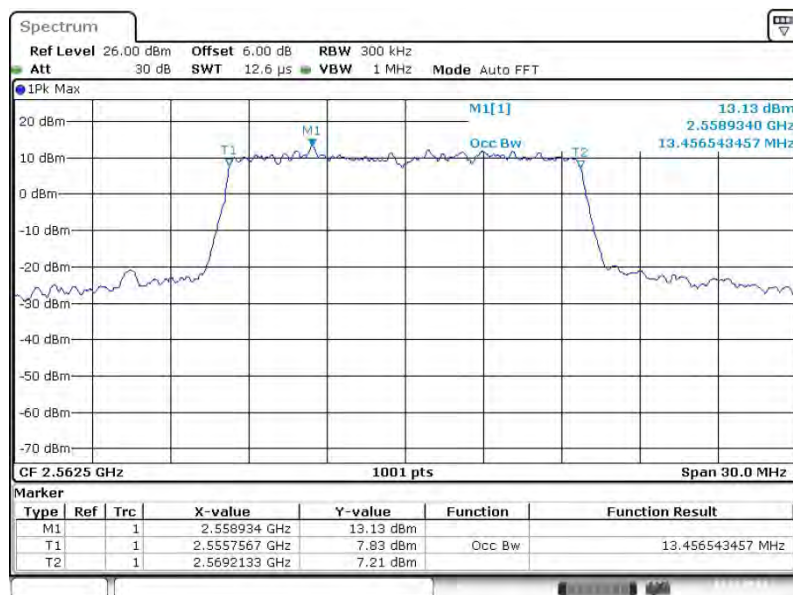
99% Occupied Bandwidth Plot on Channel 21100


Date: 12 DEC. 2014 19:09:34

26dB Bandwidth Plot on Channel 21100


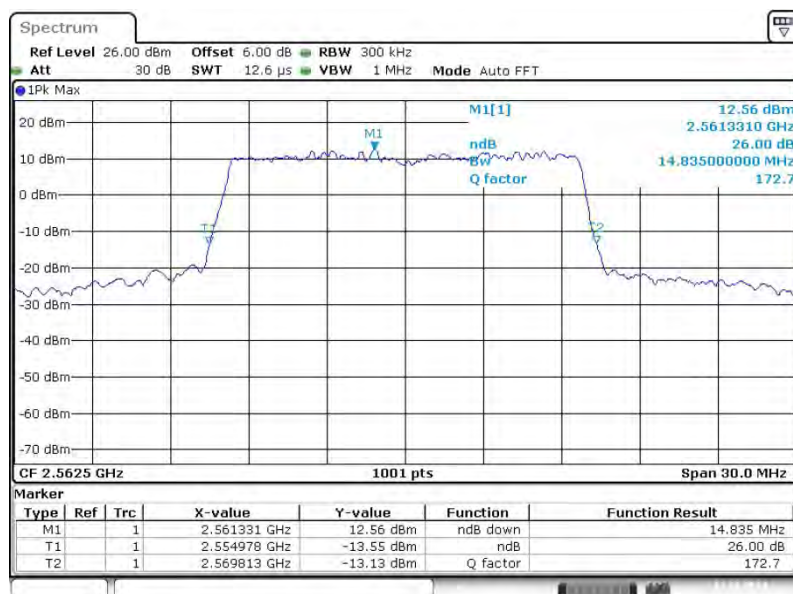
Date: 12 DEC. 2014 19:09:59

99% Occupied Bandwidth Plot on Channel 21375



Date: 12 DEC 2014 19:12:37

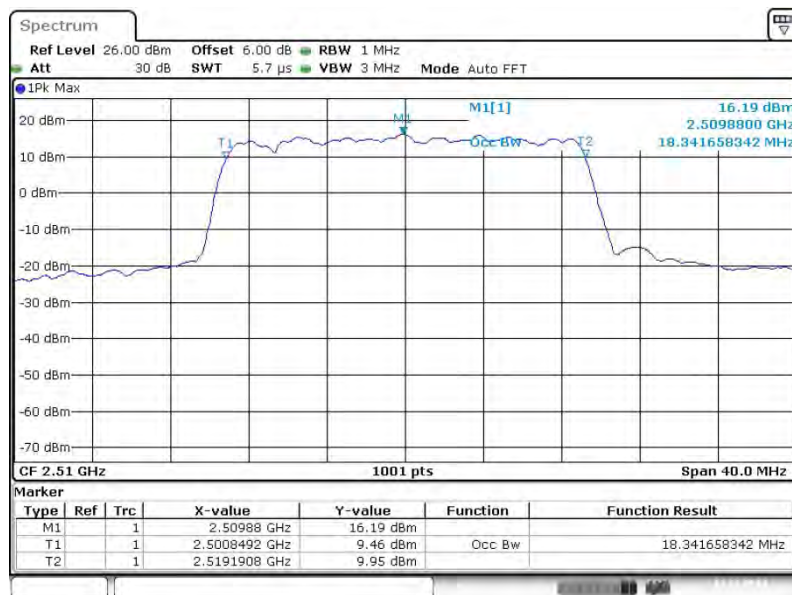
26dB Bandwidth Plot on Channel 21375



Date: 12 DEC 2014 19:13:02

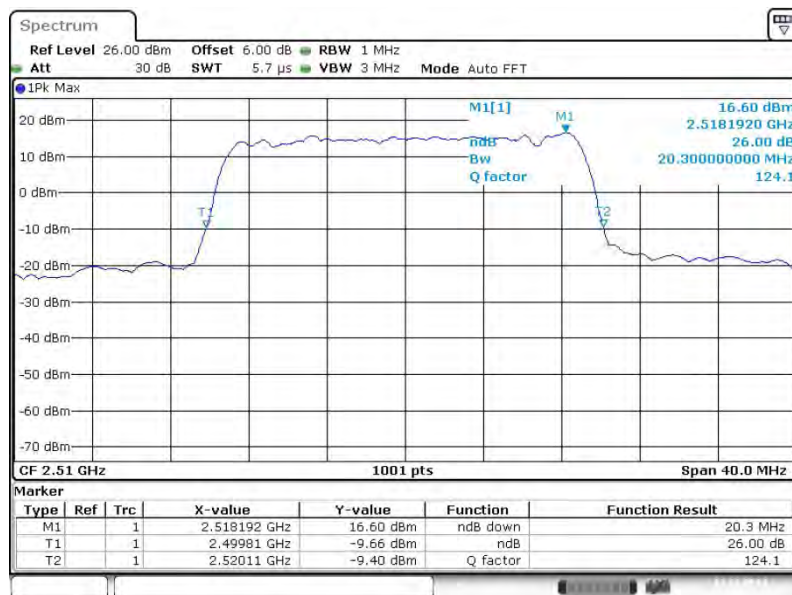
Band :	LTE Band 7	BW / Mod. :	20MHz / QPSK
--------	------------	-------------	--------------

99% Occupied Bandwidth Plot on Channel 20850



Date: 12 DEC 2014 19:20:03

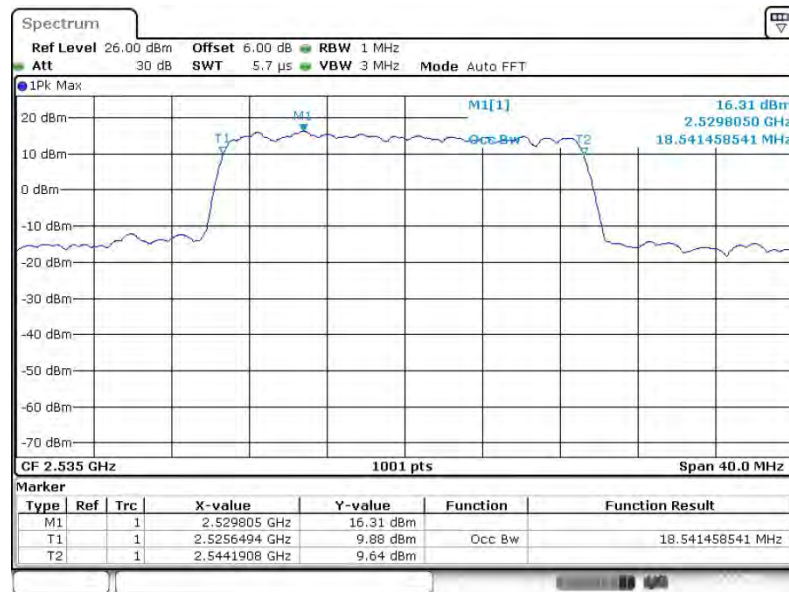
26dB Bandwidth Plot on Channel 20850



Date: 12 DEC 2014 19:20:26

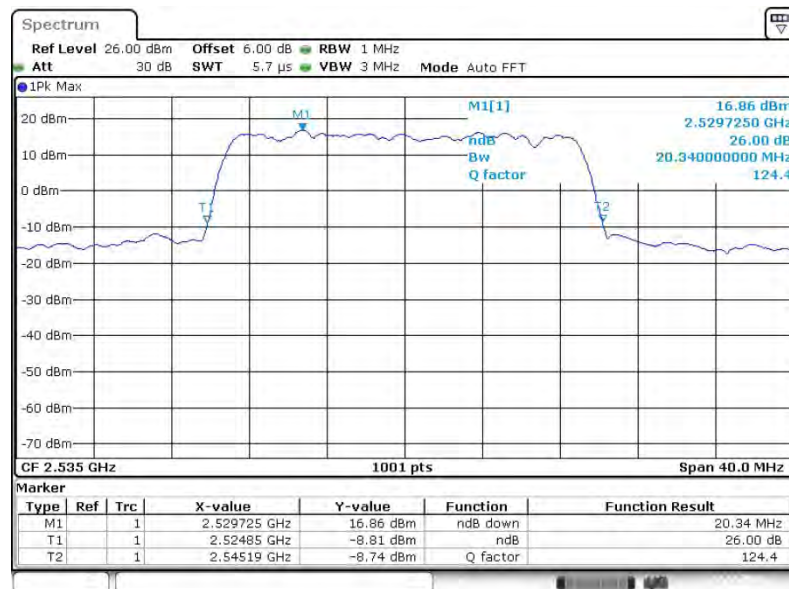


99% Occupied Bandwidth Plot on Channel 21100

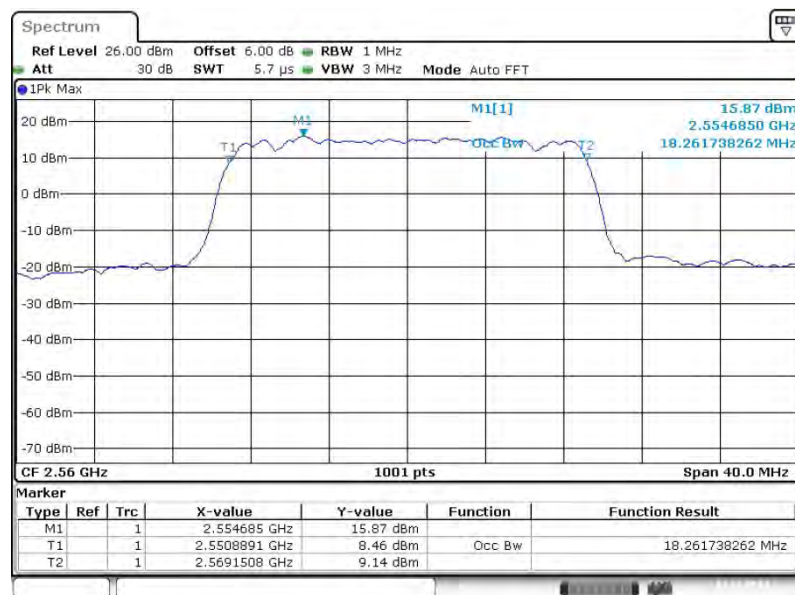


Date: 12 DEC. 2014 19:27:40

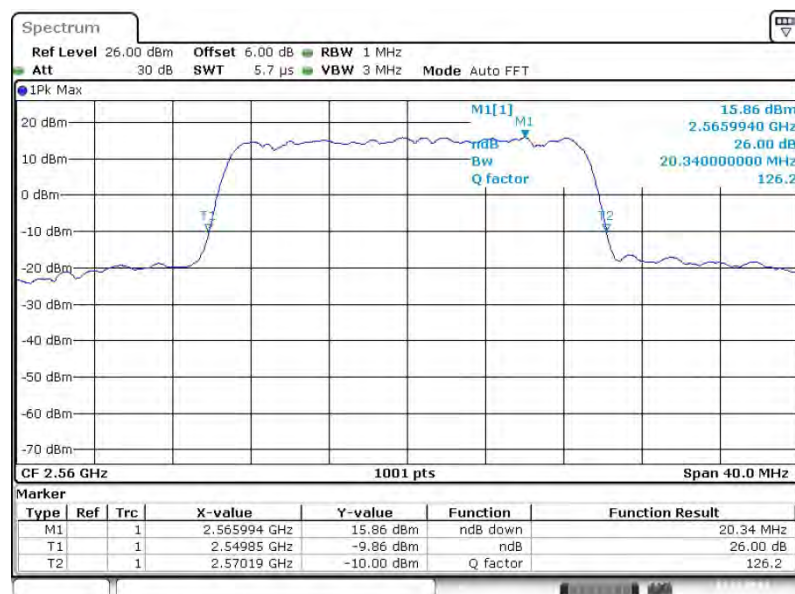
26dB Bandwidth Plot on Channel 21100



Date: 12 DEC. 2014 19:28:03

99% Occupied Bandwidth Plot on Channel 21350


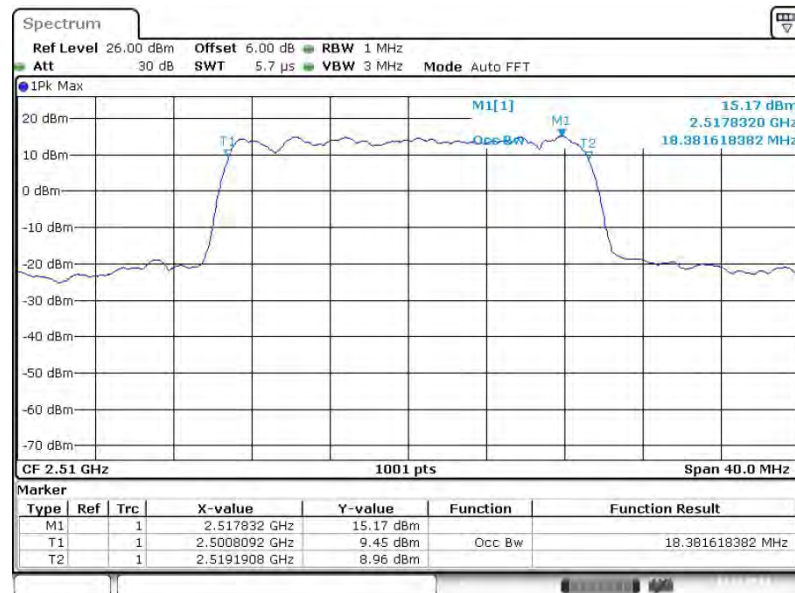
Date: 12 DEC 2014 19:30:42

26dB Bandwidth Plot on Channel 21350


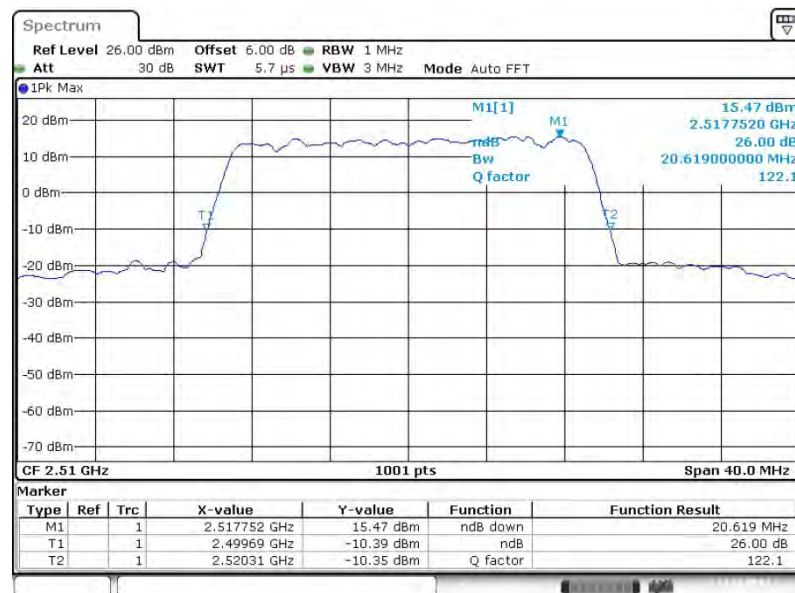
Date: 12 DEC 2014 19:31:06

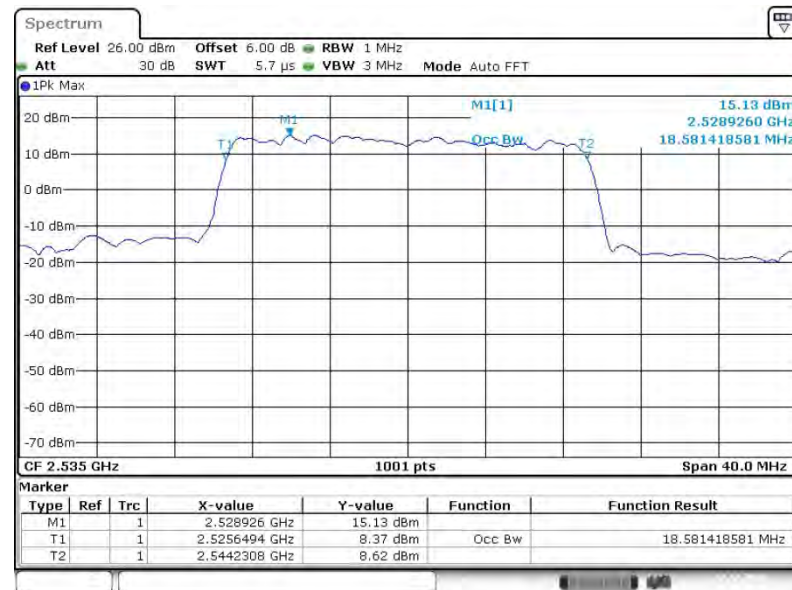
Band :	LTE Band 7	BW / Mod. :	20MHz / 16QAM
--------	------------	-------------	---------------

99% Occupied Bandwidth Plot on Channel 20850

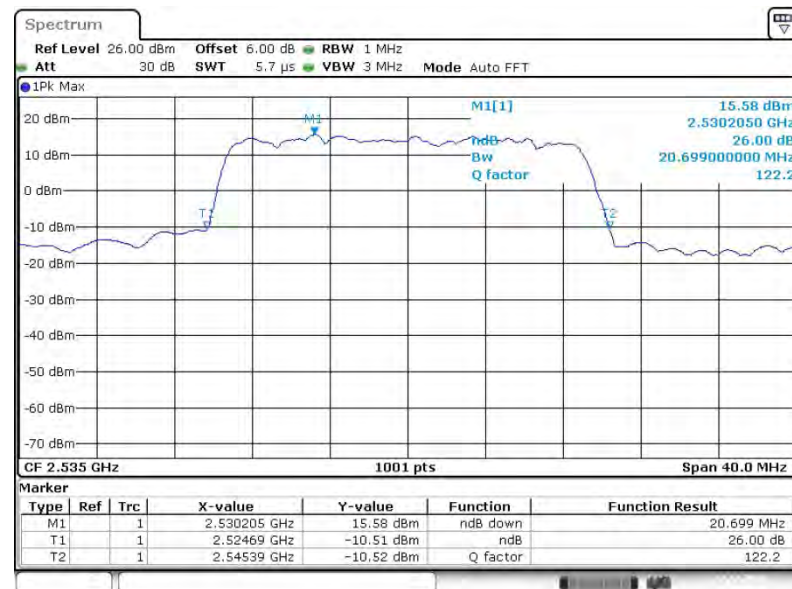


26dB Bandwidth Plot on Channel 20850



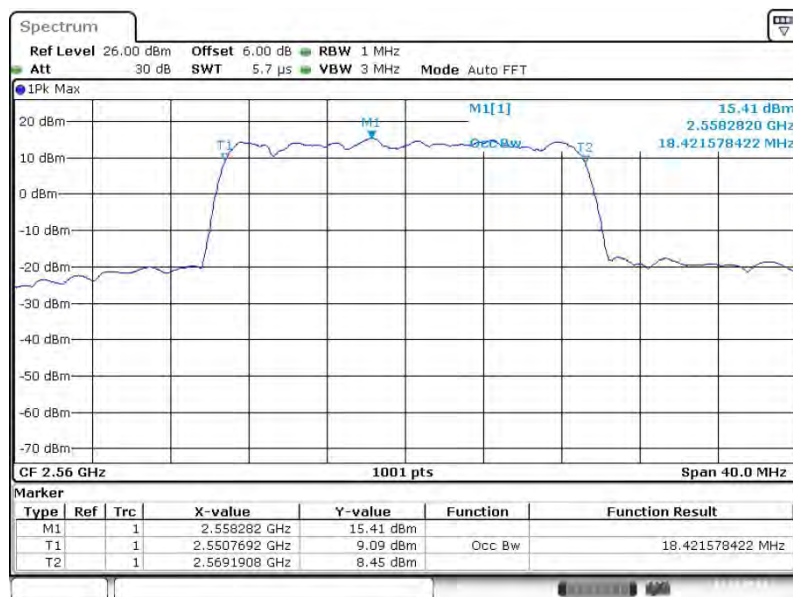
99% Occupied Bandwidth Plot on Channel 21100


Date: 12 DEC. 2014 19:27:50

26dB Bandwidth Plot on Channel 21100


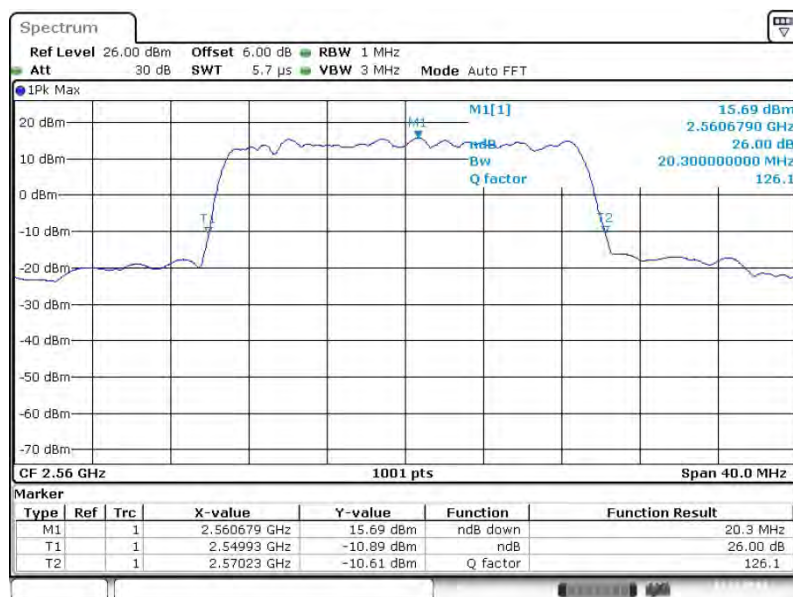
Date: 12 DEC. 2014 19:28:15

99% Occupied Bandwidth Plot on Channel 21350



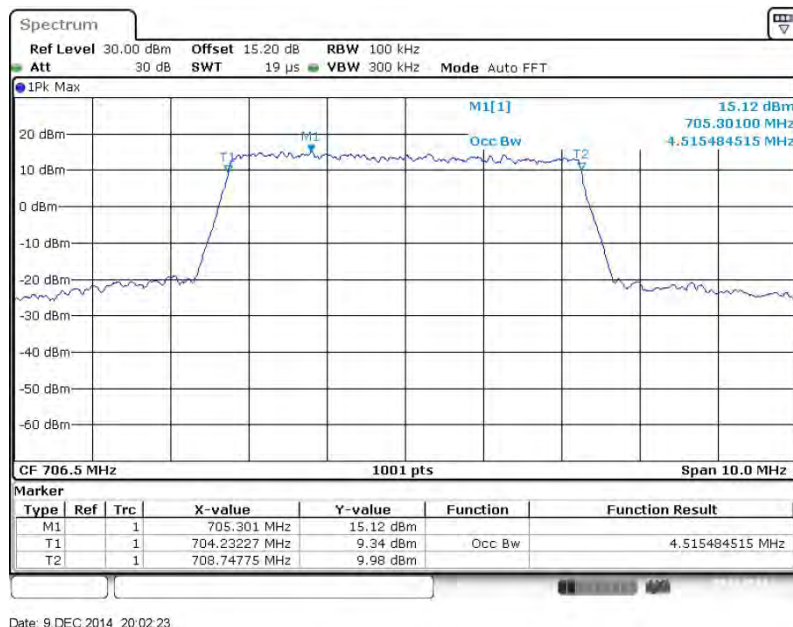
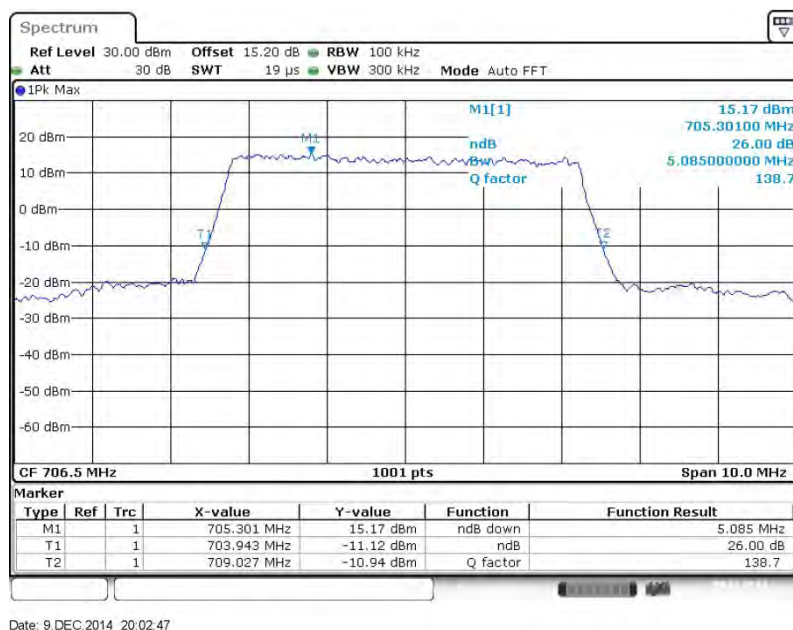
Date: 12 DEC 2014 19:30:54

26dB Bandwidth Plot on Channel 21350

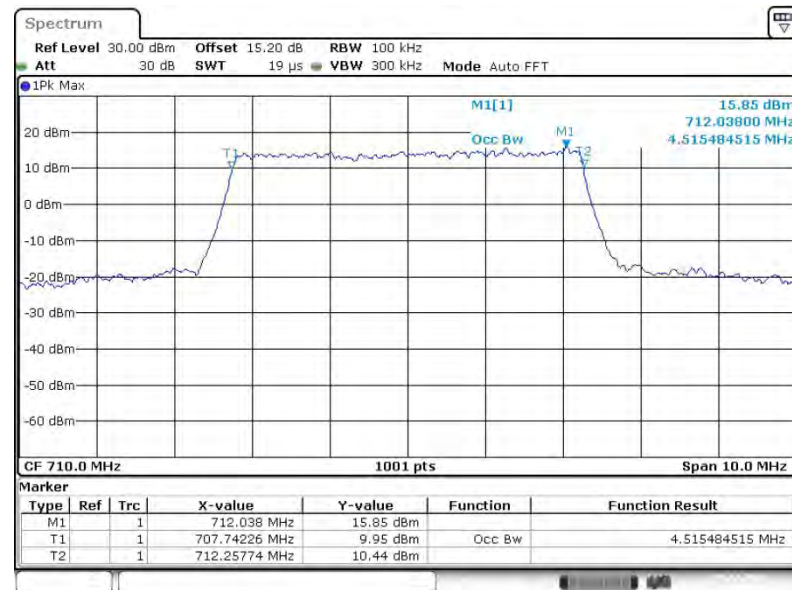


Date: 12 DEC 2014 19:31:19

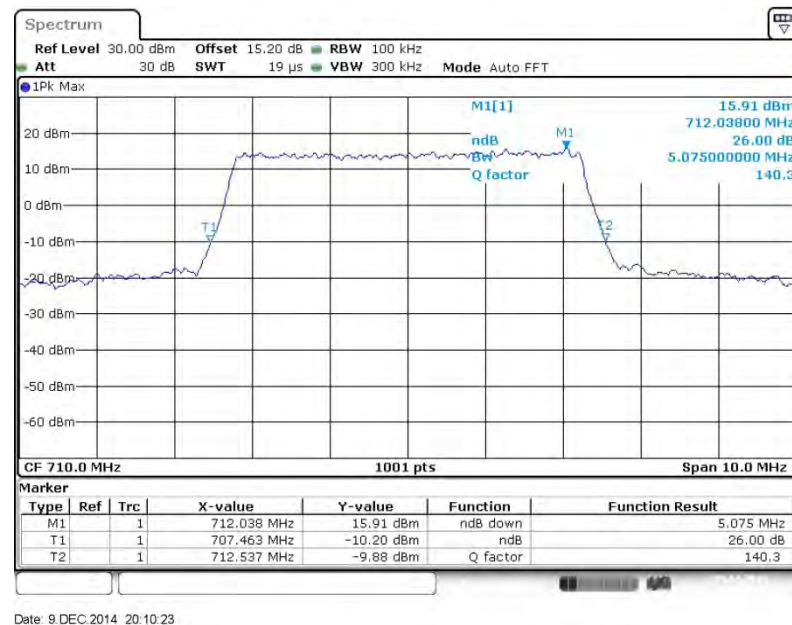
Band :	LTE Band 17	BW / Mod. :	5MHz / QPSK
---------------	-------------	--------------------	-------------

99% Occupied Bandwidth Plot on Channel 23755

26dB Bandwidth Plot on Channel 23755


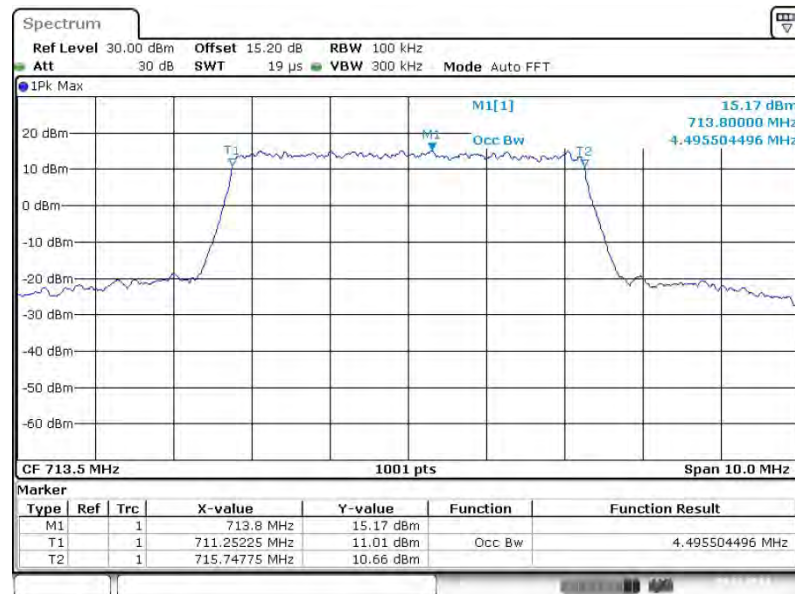
99% Occupied Bandwidth Plot on Channel 23790



26dB Bandwidth Plot on Channel 23790

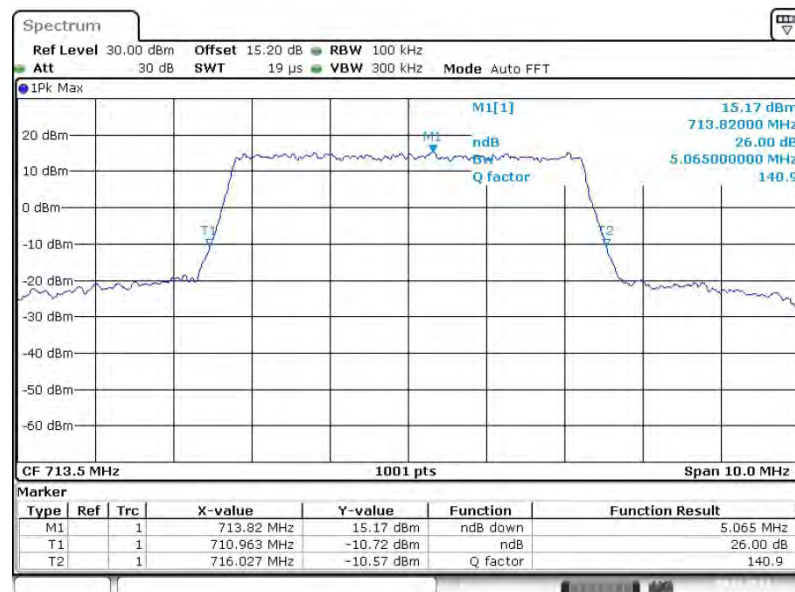


99% Occupied Bandwidth Plot on Channel 23825



Date: 9 DEC 2014 20:13:03

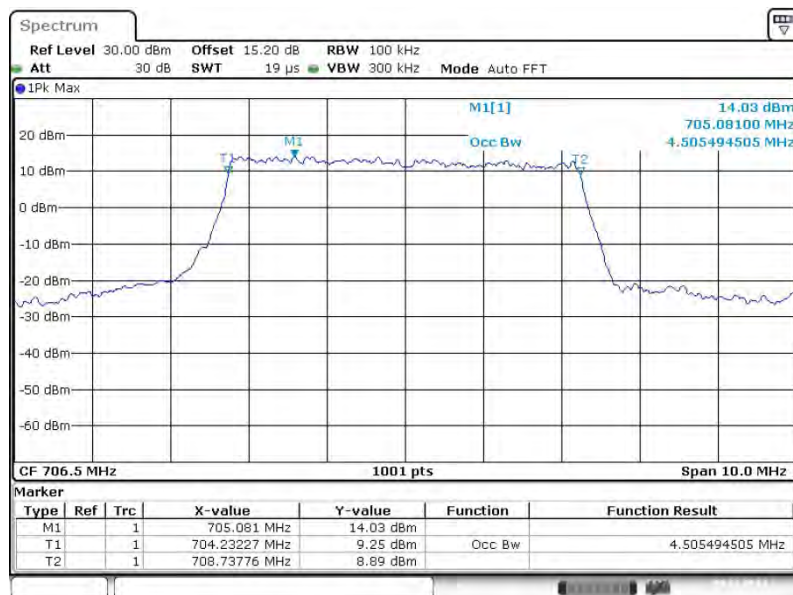
26dB Bandwidth Plot on Channel 23825



Date: 9 DEC 2014 20:13:26

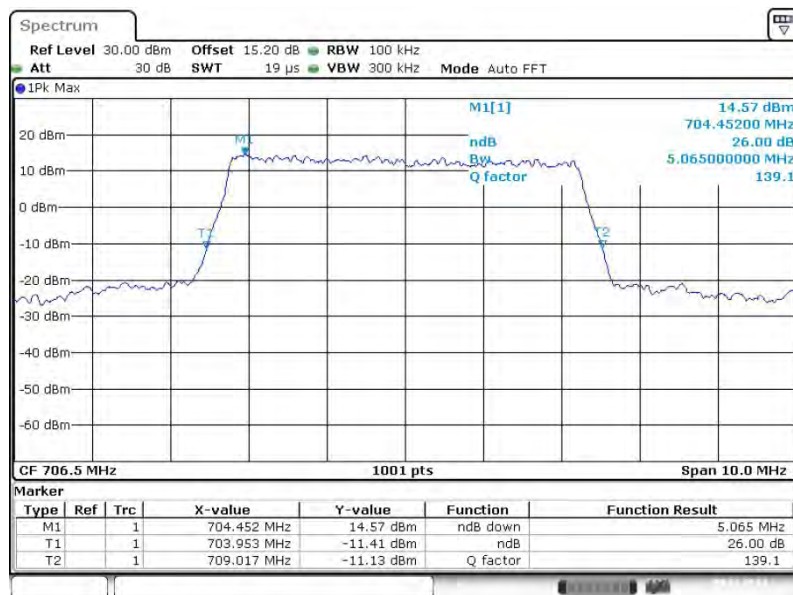
Band :	LTE Band 17	BW / Mod. :	5MHz / 16QAM
--------	-------------	-------------	--------------

99% Occupied Bandwidth Plot on Channel 23755



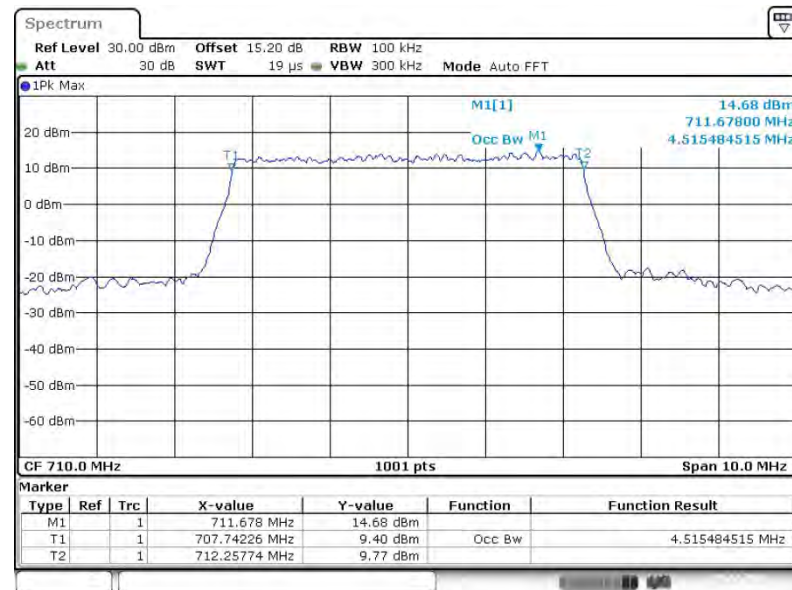
Date: 9 DEC 2014 20:02:34

26dB Bandwidth Plot on Channel 23755



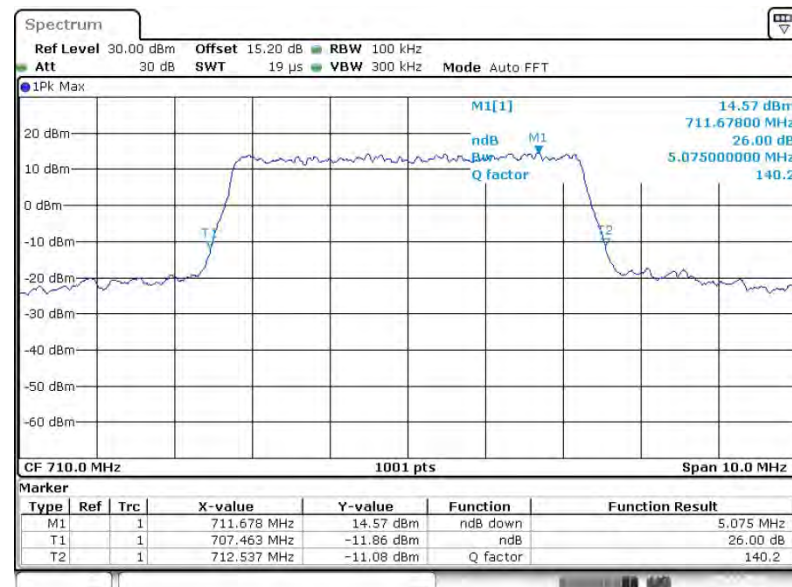
Date: 9 DEC 2014 20:02:59

99% Occupied Bandwidth Plot on Channel 23790

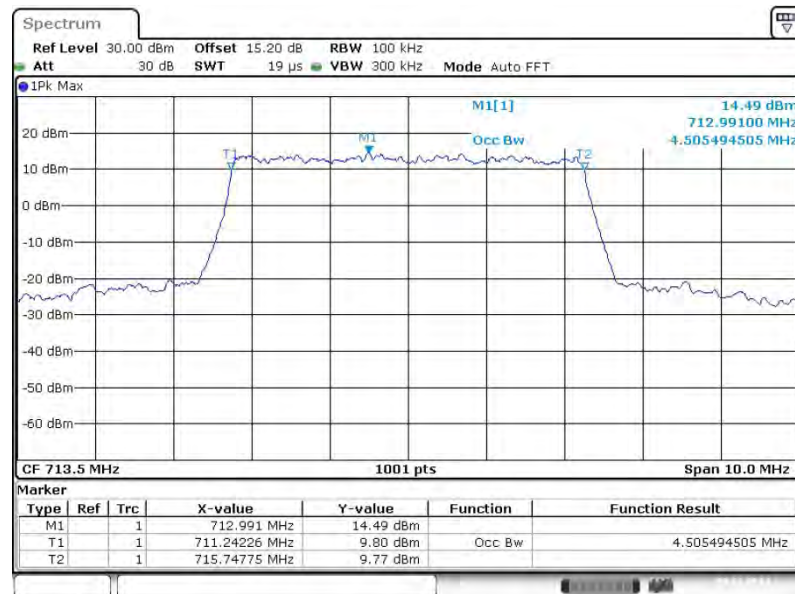


Date: 9 DEC 2014 20:10:10

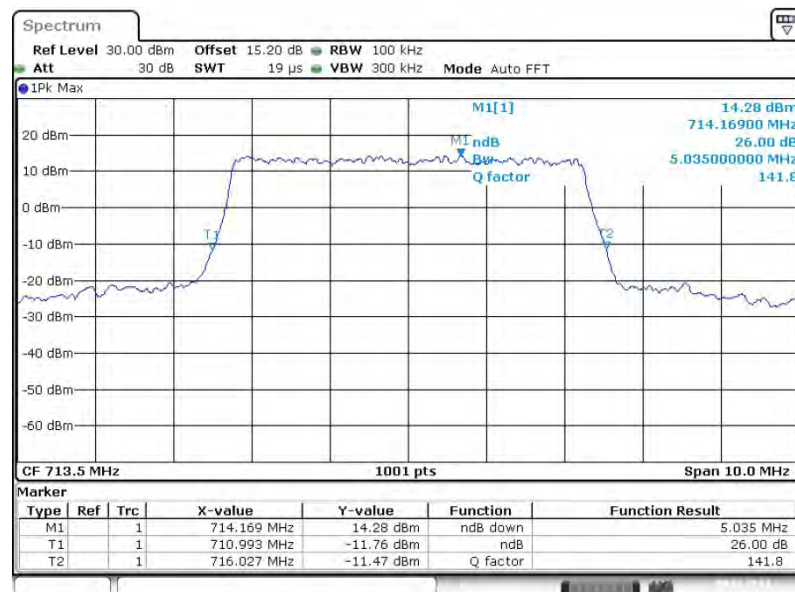
26dB Bandwidth Plot on Channel 23790



Date: 9 DEC 2014 20:10:35

99% Occupied Bandwidth Plot on Channel 23825


Date: 9 DEC 2014 20:13:13

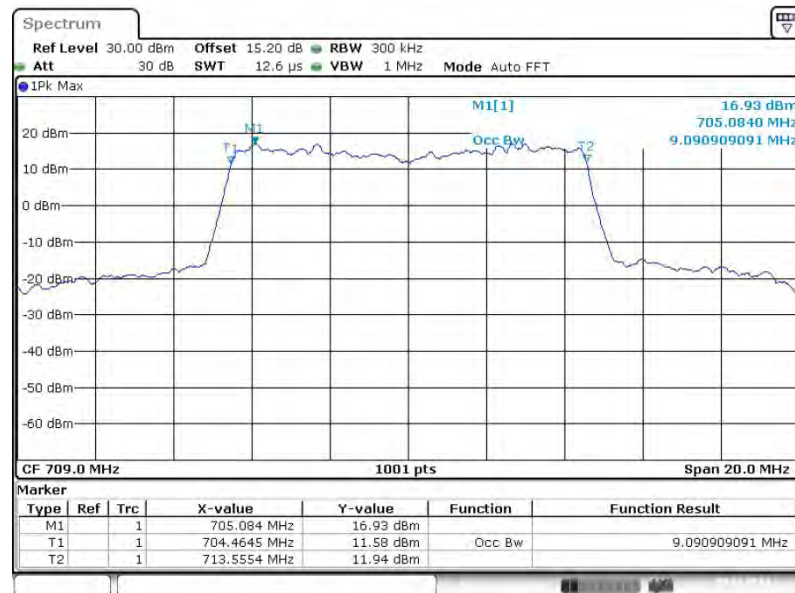
26dB Bandwidth Plot on Channel 23825


Date: 9 DEC 2014 20:13:38



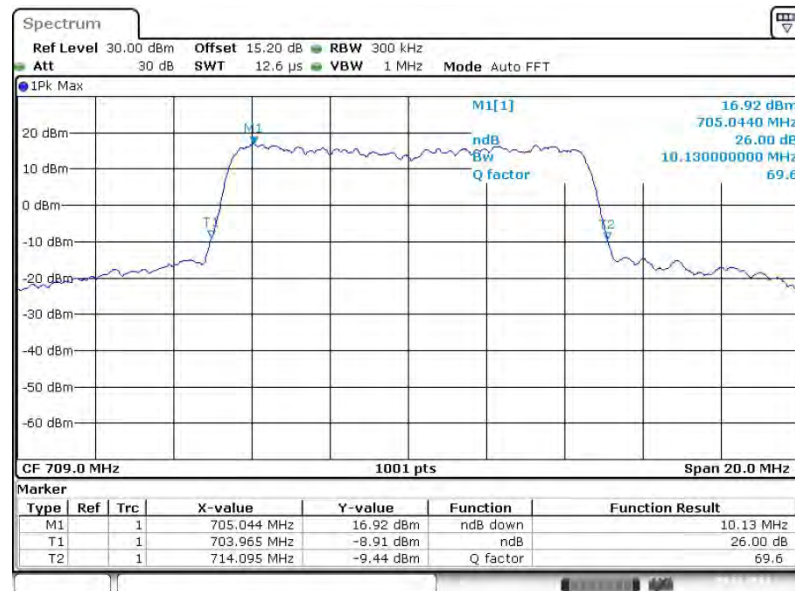
Band :	LTE Band 17	BW / Mod. :	10MHz / QPSK
--------	-------------	-------------	--------------

99% Occupied Bandwidth Plot on Channel 23780



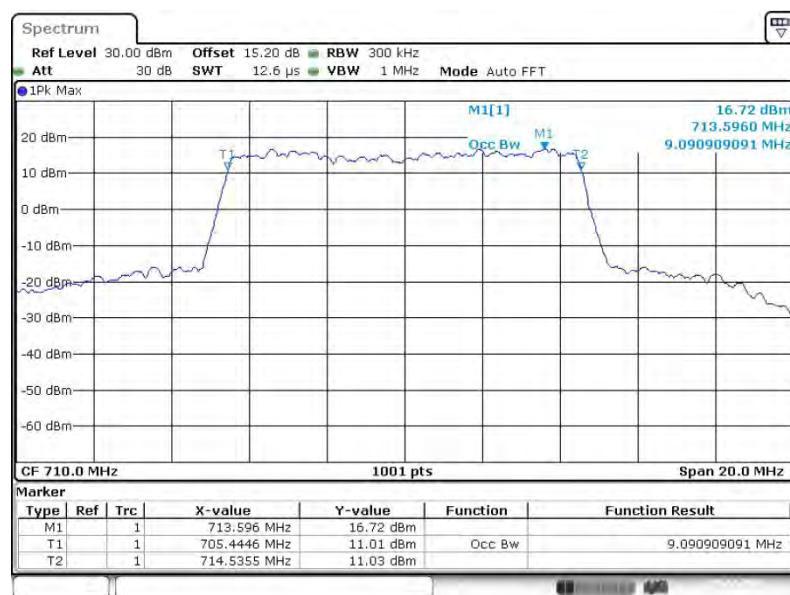
Date: 9 DEC 2014 20:20:42

26dB Bandwidth Plot on Channel 23780



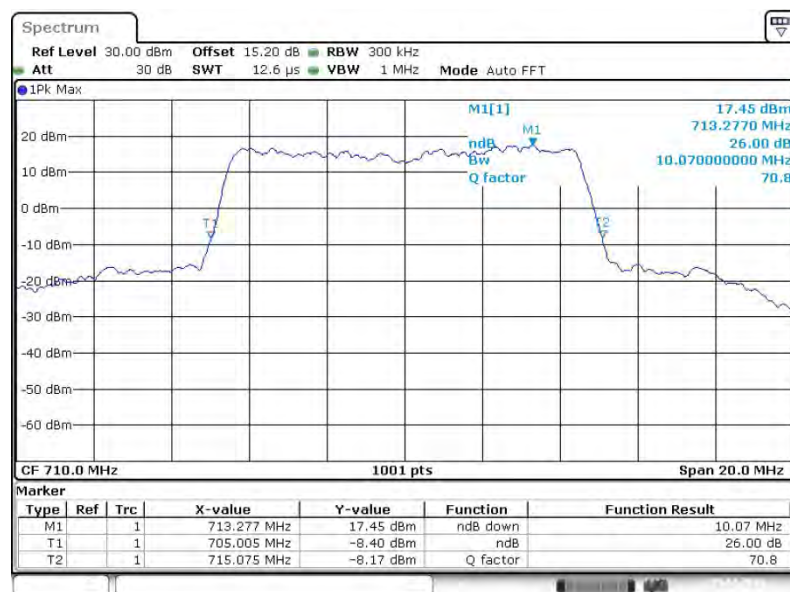
Date: 9 DEC 2014 20:21:05

99% Occupied Bandwidth Plot on Channel 23790



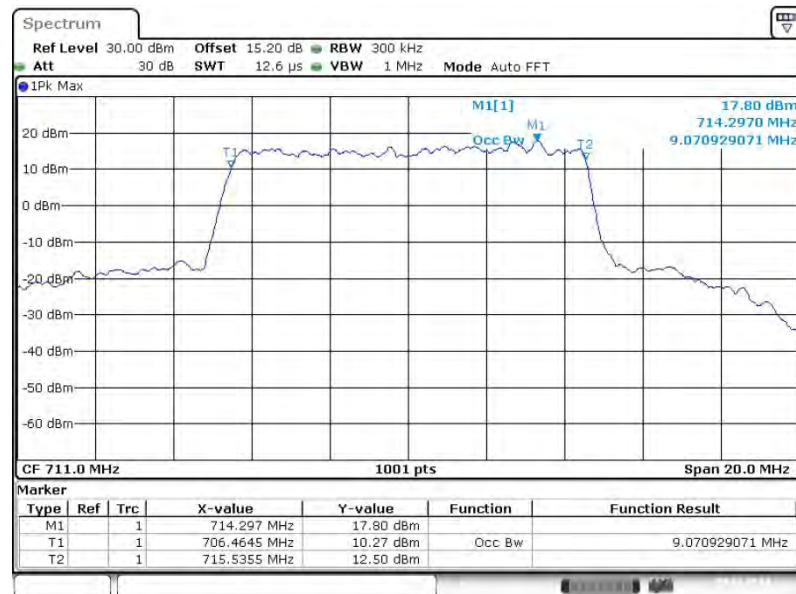
Date: 9 DEC 2014 20:23:55

26dB Bandwidth Plot on Channel 23790



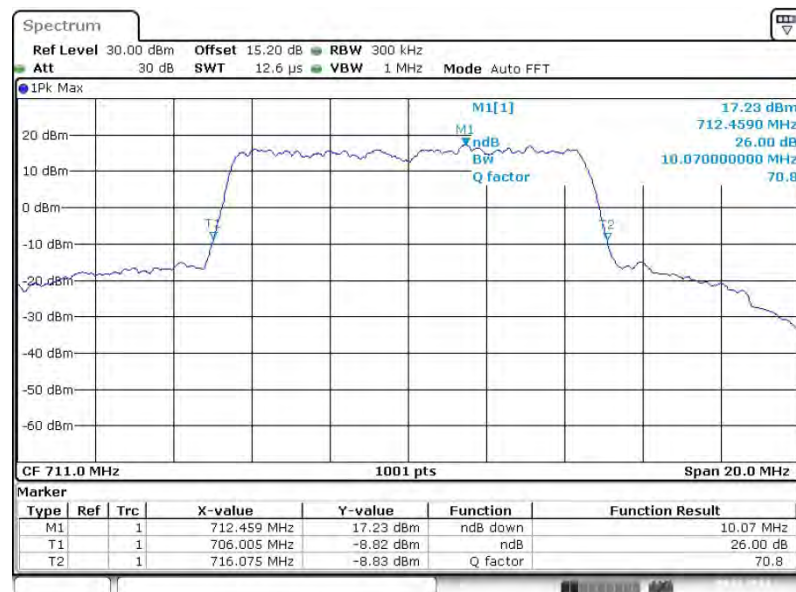
Date: 9 DEC 2014 20:24:18

99% Occupied Bandwidth Plot on Channel 23800



Date: 9 DEC 2014 20:26:58

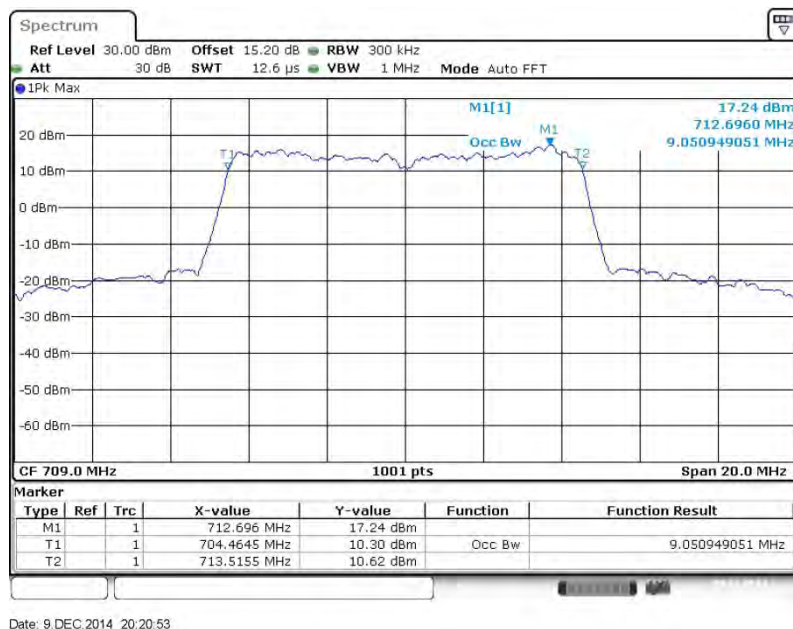
26dB Bandwidth Plot on Channel 23800



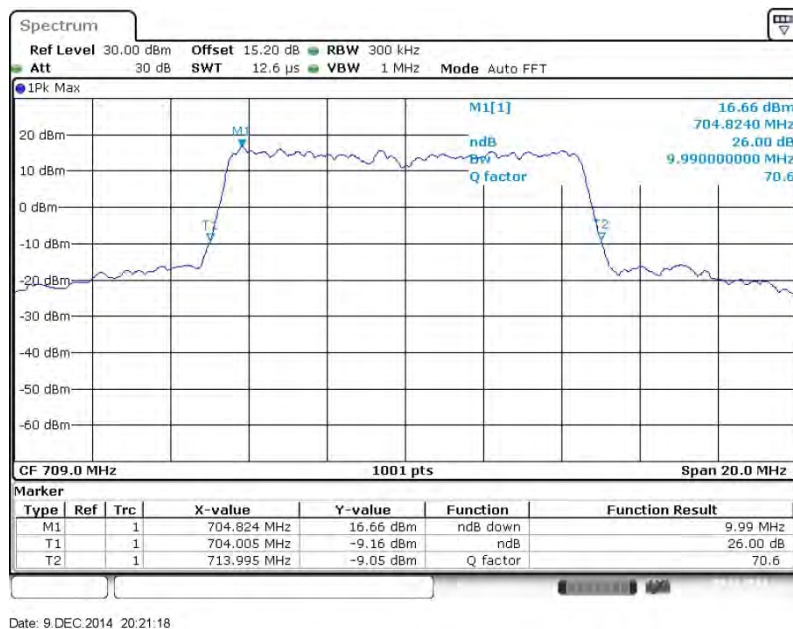
Date: 9 DEC 2014 20:27:21

Band :	LTE Band 17	BW / Mod. :	10MHz / 16QAM
--------	-------------	-------------	---------------

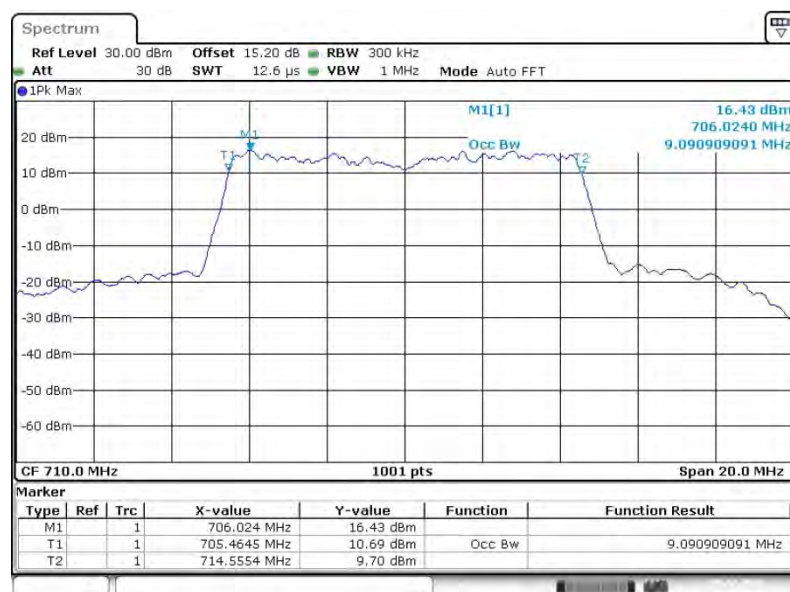
99% Occupied Bandwidth Plot on Channel 23780



26dB Bandwidth Plot on Channel 23780

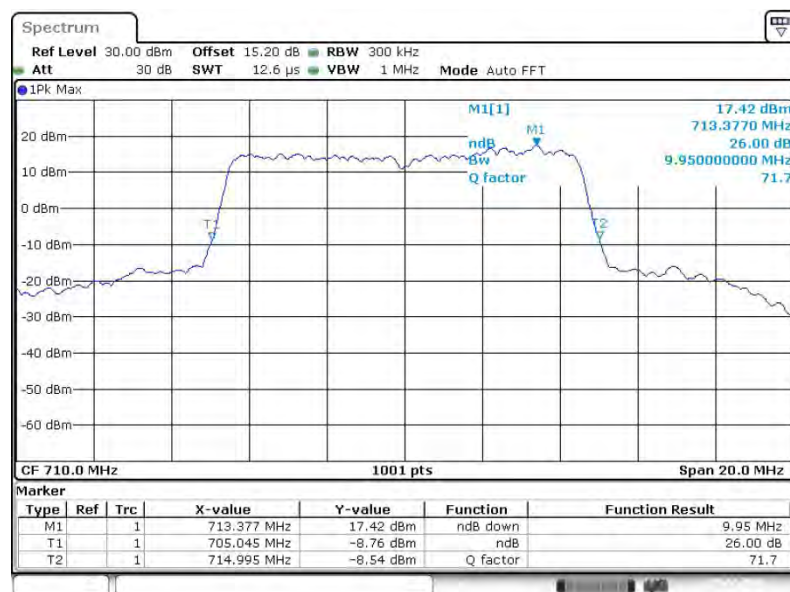


99% Occupied Bandwidth Plot on Channel 23790



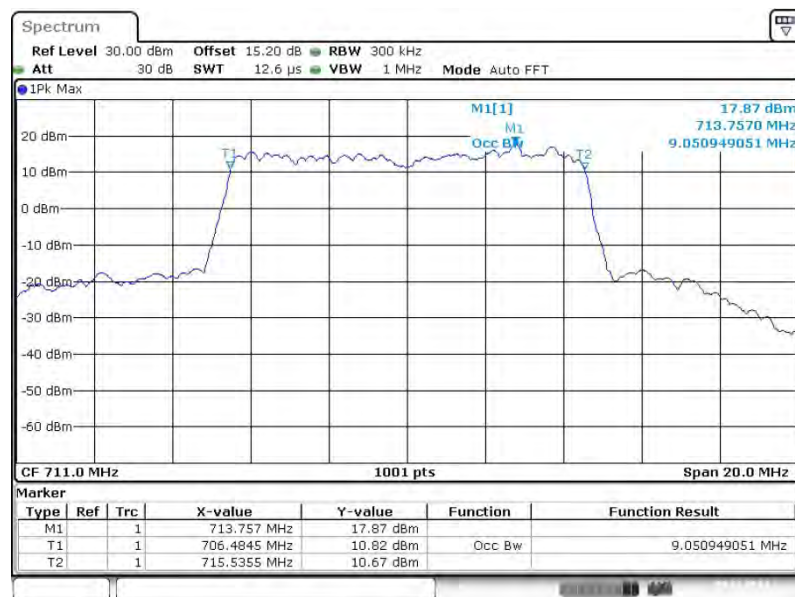
Date: 9 DEC 2014 20:24:06

26dB Bandwidth Plot on Channel 23790



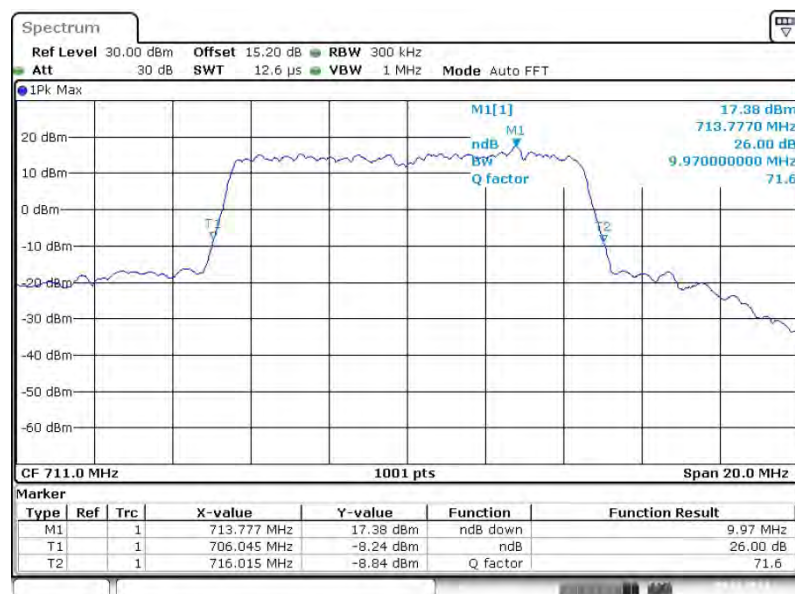
Date: 9 DEC 2014 20:24:31

99% Occupied Bandwidth Plot on Channel 23800



Date: 9 DEC 2014 20:27:09

26dB Bandwidth Plot on Channel 23800



Date: 9 DEC 2014 20:27:34

3.5 Conducted Band Edge Measurement

3.5.1 Description of Conducted Band Edge Measurement

24.238 (a) for Band 2

For operations in the 1850-1910 and 1930-1990 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 1MHz bandwidth. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

27.53 (h) for Band 4

For operations in the 1710 – 1755 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 1 MHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

27.53 (g) for Band 17

For operations in the 698 -746 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 100 kHz bandwidth. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

27.53(m)(4) for Band 7

For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

3.5.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.5.3 Test Procedures

1. The EUT was connected to spectrum analyzer and LTE base station via a power divider.
2. The band edges of low and high channels for the highest RF powers were measured. Set RBW $\geq 1\%$ EBW in the 1MHz band immediately outside and adjacent to the band edge.
3. Set spectrum analyzer with RMS detector.
4. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
5. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)

$$= P(W) - [43 + 10\log(P)] \text{ (dB)}$$

$$= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$$

$$= -13\text{dBm.}$$

<For Band 7>

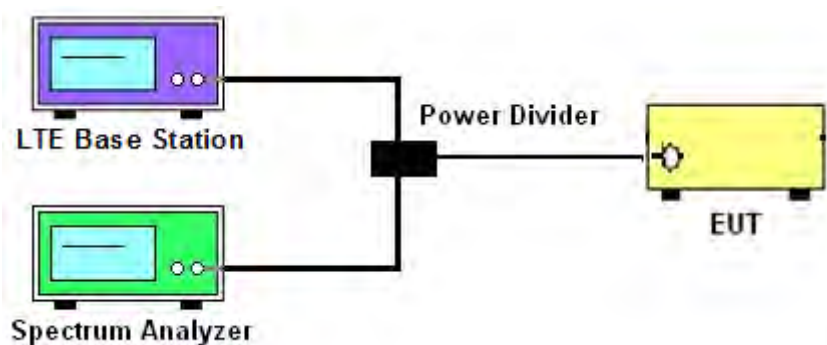
The limit line is derived from $55 + 10\log(P)$ dB below the transmitter power P(Watts)

$$= P(W) - [55 + 10\log(P)] \text{ (dB)}$$

$$= [30 + 10\log(P)] \text{ (dBm)} - [55 + 10\log(P)] \text{ (dB)}$$

$$= -25\text{dBm.}$$

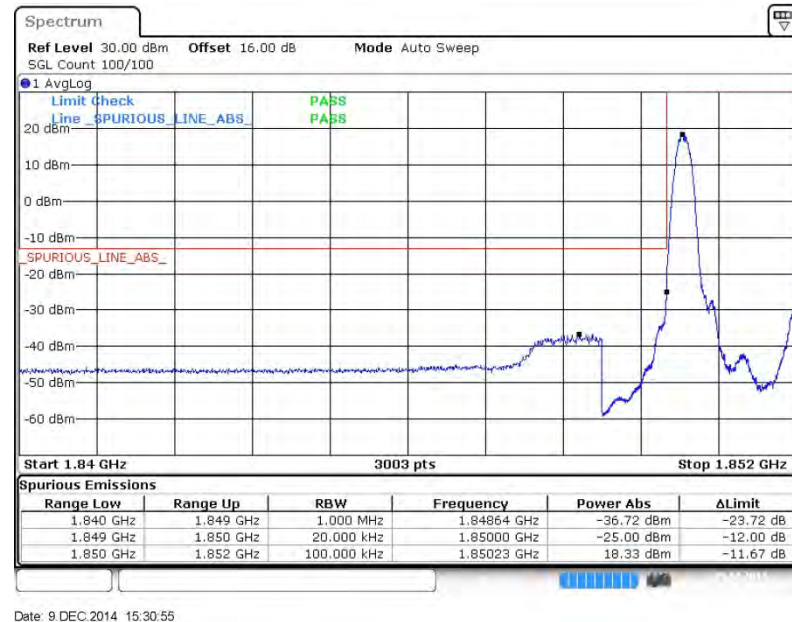
3.5.4 Test Setup



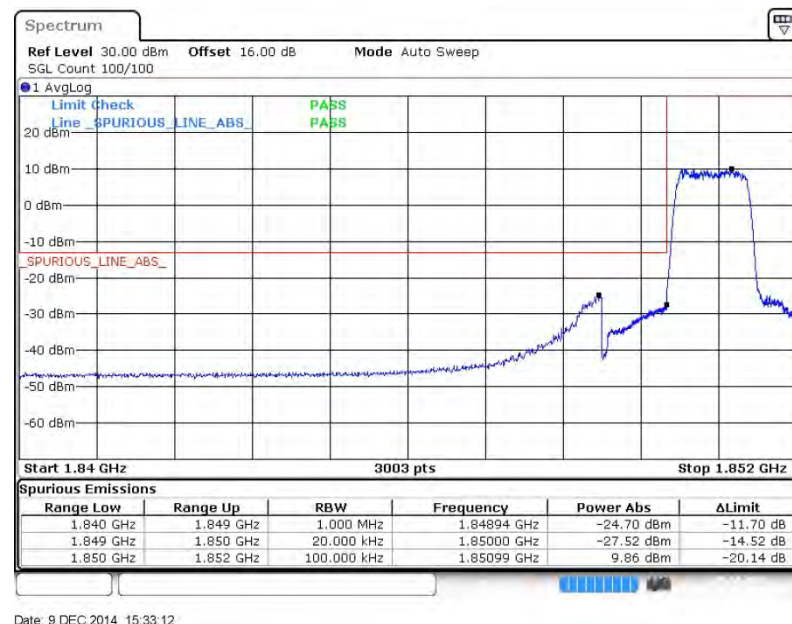
3.5.5 Test Result (Plots) of Conducted Band Edge

Band :	LTE Band 2	Band Width :	1.4MHz / QPSK
---------------	------------	---------------------	---------------

Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0

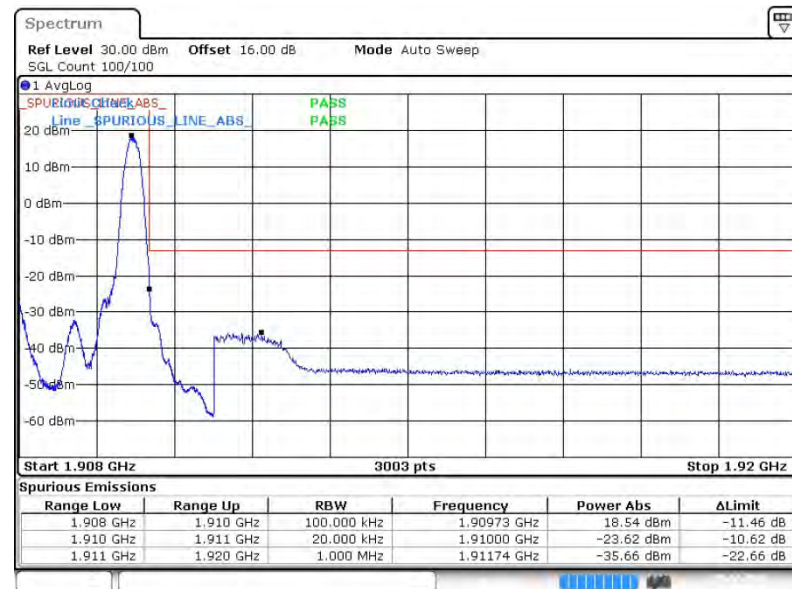


Lower Band Edge Plot for QPSK-RB Size 6, RB Offset 0



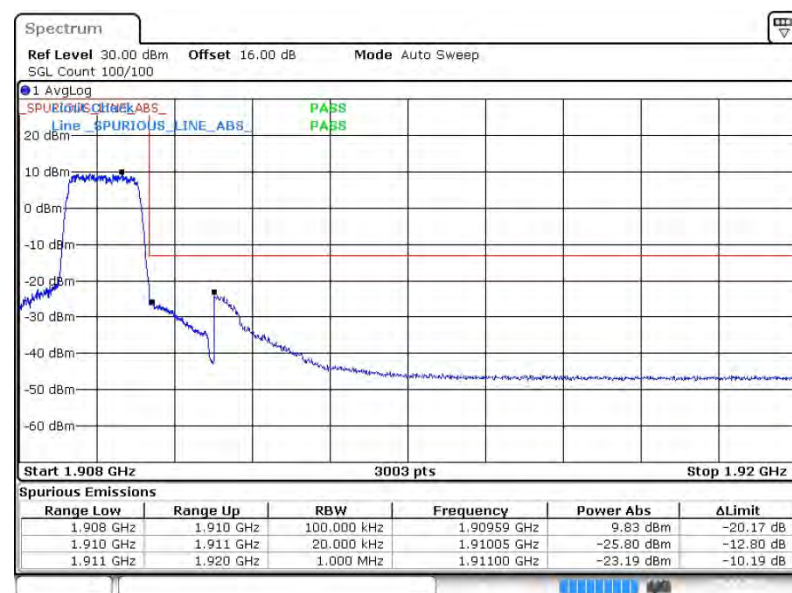


Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 5



Date: 9 DEC 2014 15:41:34

Higher Band Edge Plot for QPSK-RB Size 6, RB Offset 0

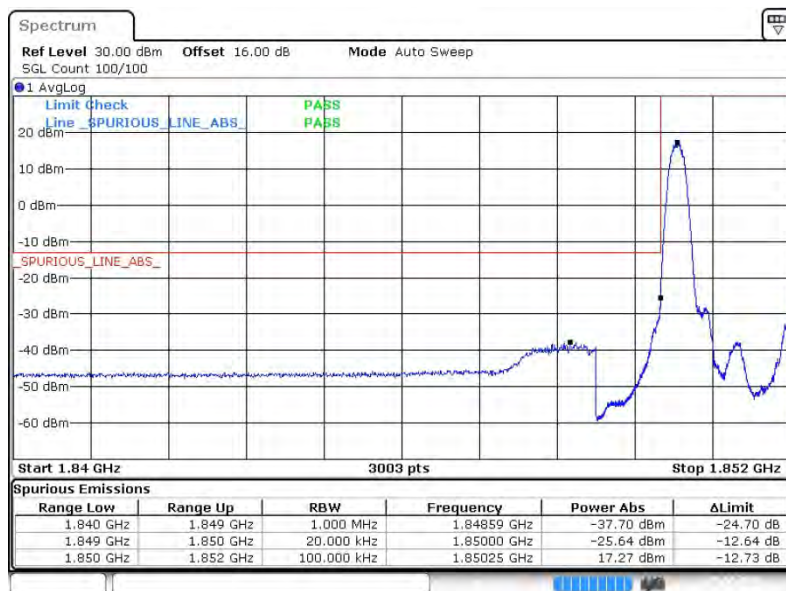


Date: 9 DEC 2014 15:43:51

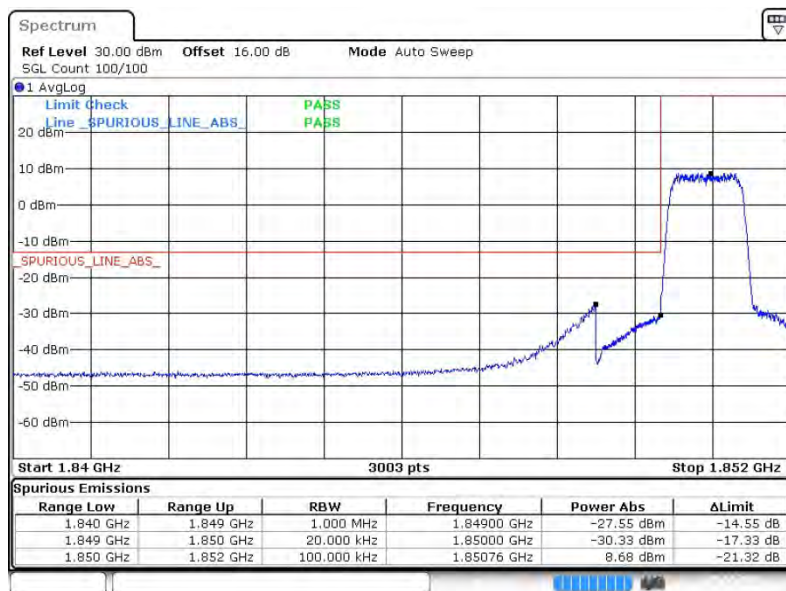


Band :	LTE Band 2	Band Width :	1.4MHz / 16QAM
--------	------------	--------------	----------------

Lower Band Edge Plot for 16QAM -RB Size 1, RB Offset 0

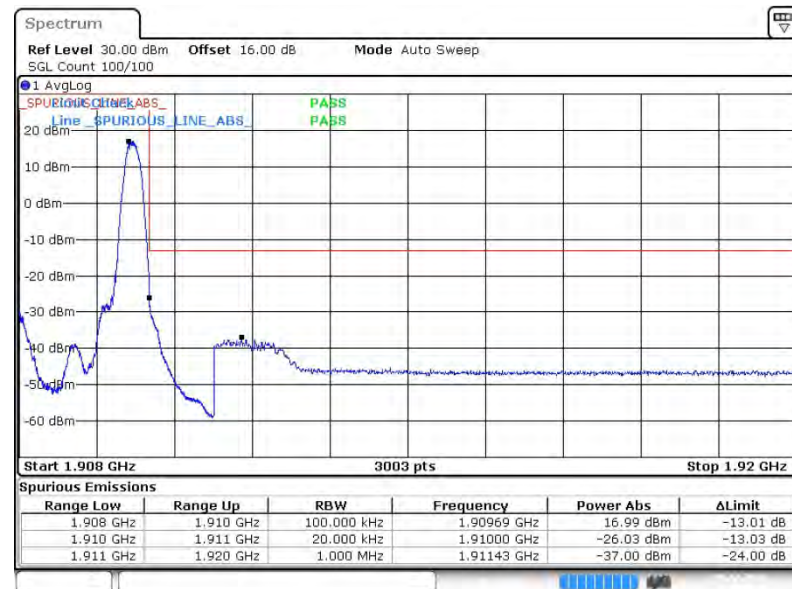


Lower Band Edge Plot for 16QAM -RB Size 6, RB Offset 0



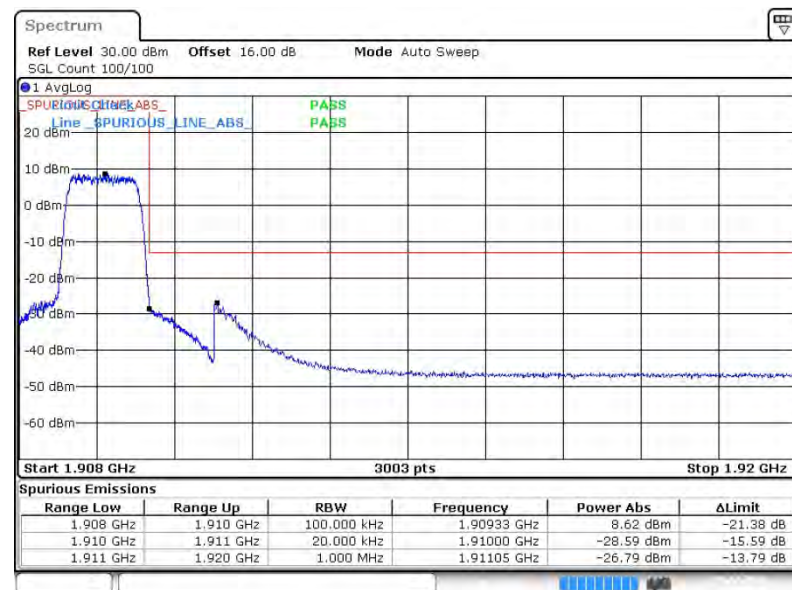


Higher Band Edge Plot for 16QAM -RB Size 1, RB Offset 5



Date: 9 DEC 2014 15:42:42

Higher Band Edge Plot for 16QAM -RB Size 6, RB Offset 0

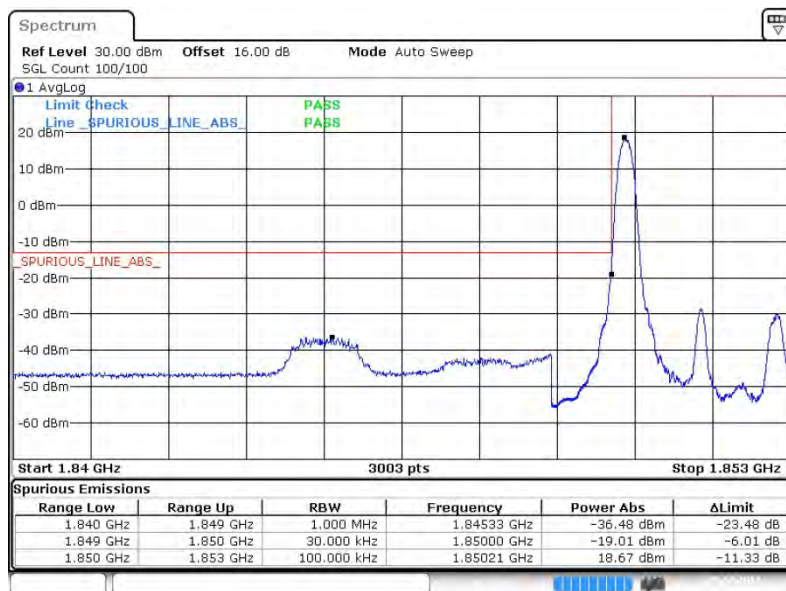


Date: 9 DEC 2014 15:44:59

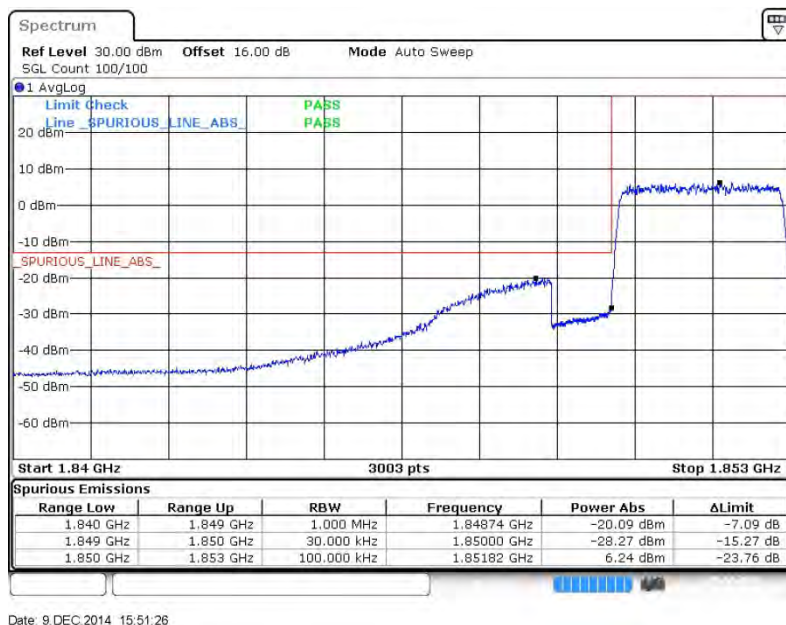


Band :	LTE Band 2	Band Width :	3MHz / QPSK
--------	------------	--------------	-------------

Lower Band Edge Plot for QPSK-RB Size 1, RB Offset 0

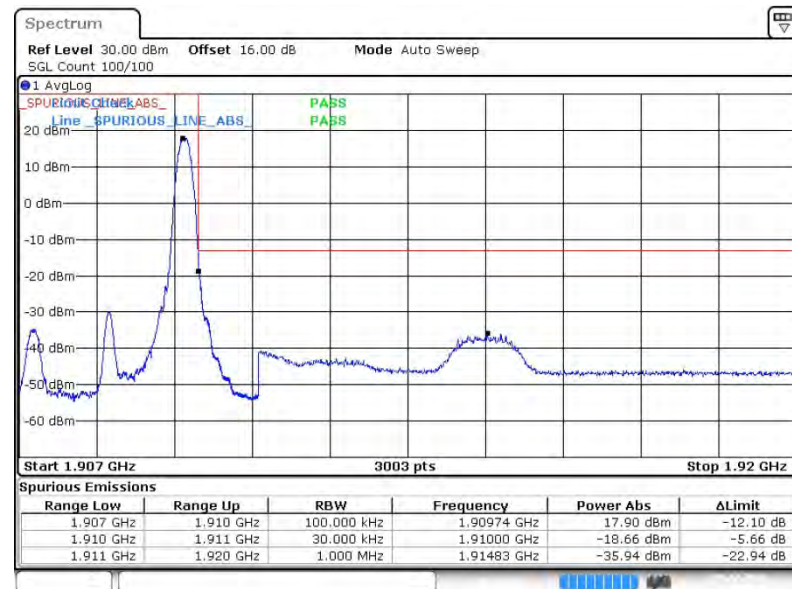


Lower Band Edge Plot for QPSK-RB Size 15, RB Offset 0



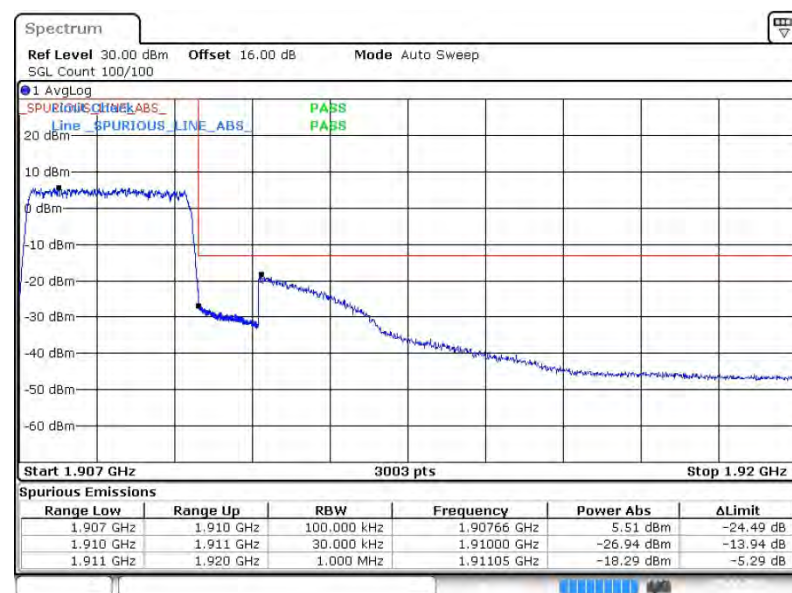


Higher Band Edge Plot for QPSK-RB Size 1, RB Offset 14



Date: 9 DEC 2014 15:59:48

Higher Band Edge Plot for QPSK-RB Size 15, RB Offset 0



Date: 9 DEC 2014 16:02:05