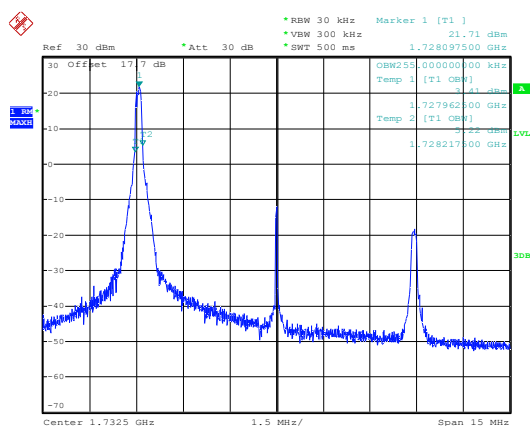


Appendix F. LTE spectrum plots for different RB allocations

Band 4

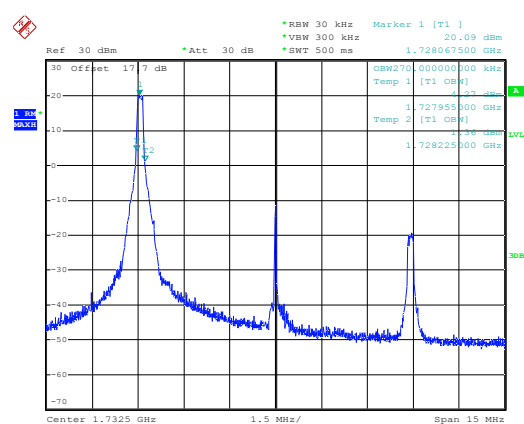
Bandwidth 10M



Date: 28 JUN 2011 19:00:20

1RB Size, RB Offset 0, QPSK

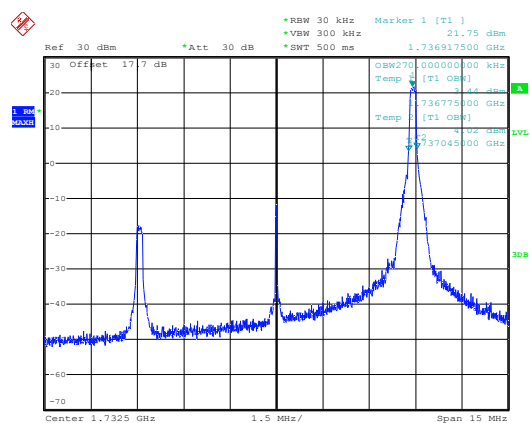
OBW = 255 KHz



Date: 28.JUN.2011 18:59:55

1RB Size, RB Offset 0, 16QAM

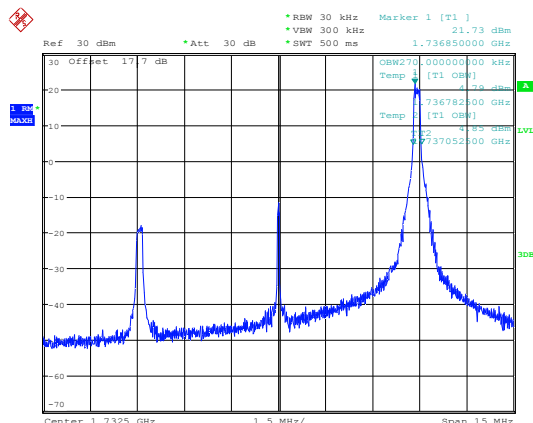
OBW = 270 KHz



Date: 28.JUN.2011 19:00:57

1RB Size, RB Offset 49, QPSK

OBW = 269 KHz



Date: 28 JUN 2011 19:01:30

1RB Size, RB Offset 49, 16QAM

OBW = 270 KHz



• RBW 30 kHz Marker 1 [T1] 8.13 dBm
 • VBW 300 kHz
 • SWT 500 ms 1.733250000 GHz

Ref 30 dBm Att 30 dB

30 Offset 17.7 dB

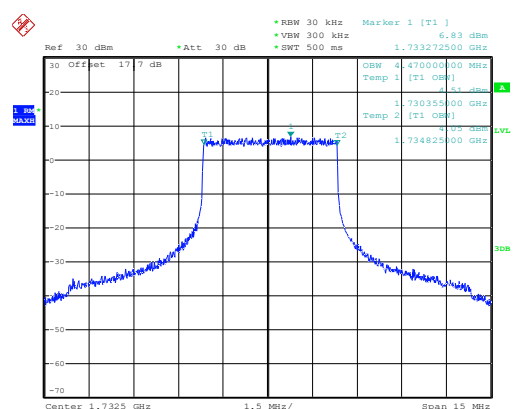
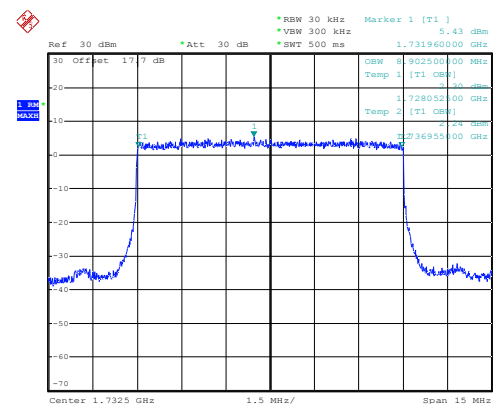
1.733250000 MHz
 Temp 1 [T1:GBW]

1.730350000 GHz
 Temp 2 [T1:GBW]

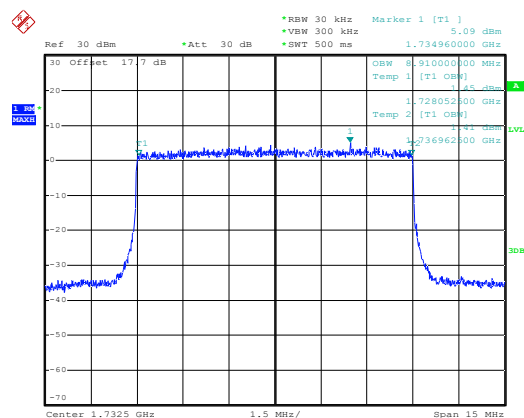
1.734825000 GHz

1.734825000 GHz

Center 1.7325 GHz 1.5 MHz/ Span 15 MHz

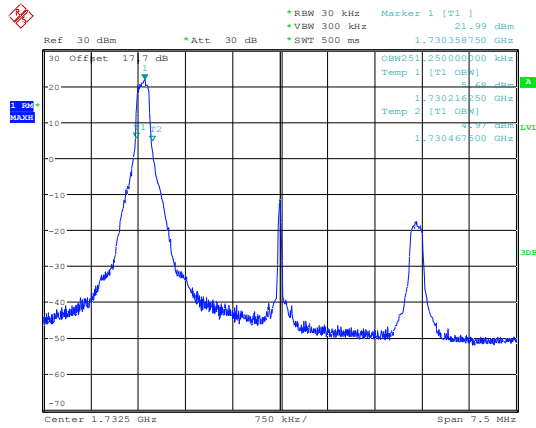
$$\text{OBW} = 4.47 \text{ MHz}$$

$$\text{OBW} = 4.47\text{MHz}$$


OBW = 8.9MHz


$$\text{OBW} = 8.91 \text{ MHz}$$



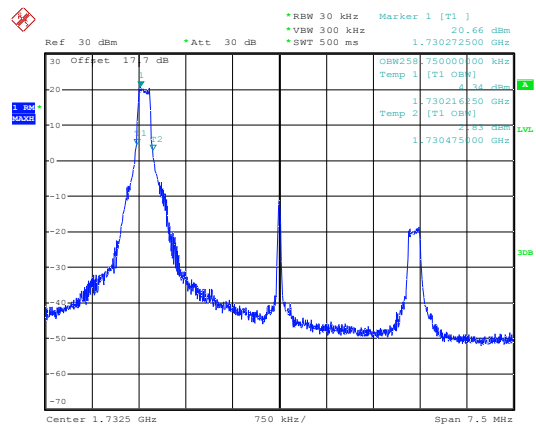
Bandwidth 5M



Date: 28.JUN.2011 18:50:49

1RB Size, RB Offset 0, QPSK

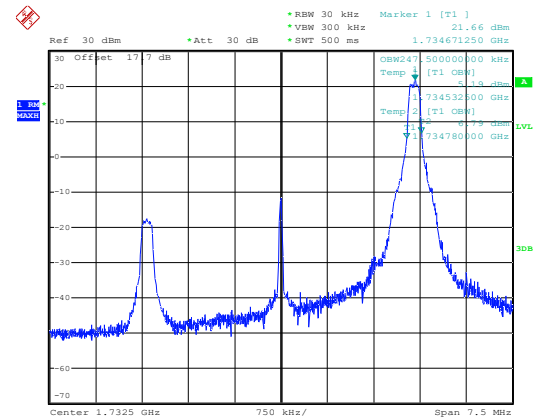
OBW = 259 KHz



Date: 28.JUN.2011 18:51:22

1RB Size, RB Offset 0, 16QAM

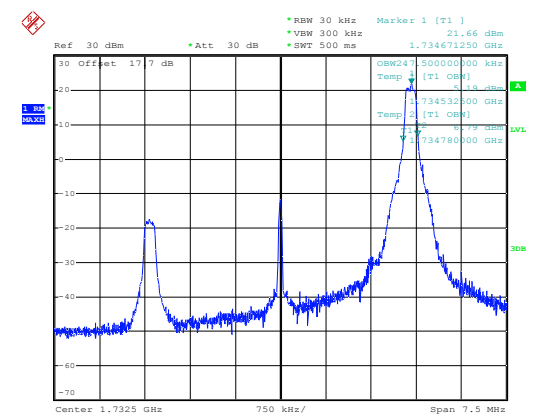
OBW = 259 KHz



Date: 28.JUN.2011 18:52:28

1RB Size, RB Offset 24, QPSK

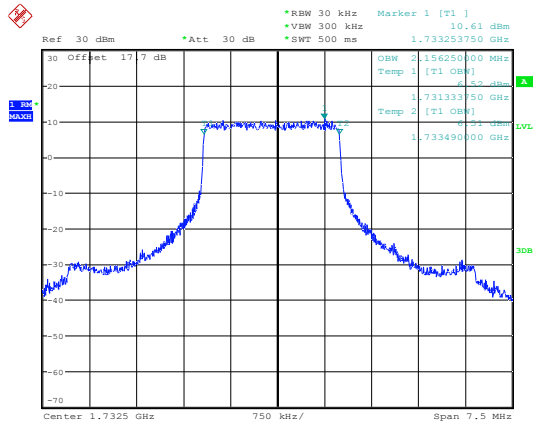
OBW = 248 KHz



Date: 28.JUN.2011 18:52:28

1RB Size, RB Offset 24, 16QAM

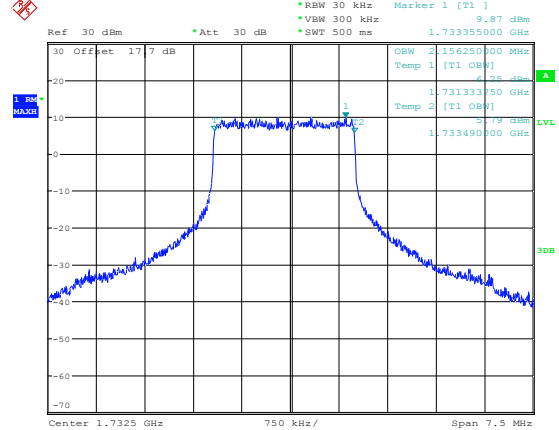
OBW = 248 KHz



Date: 28.JUN.2011 18:48:43

12RB Size, RB Offset 6, QPSK

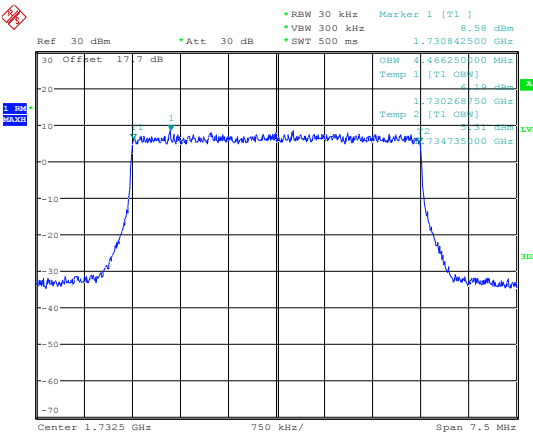
OBW = 2.16 MHz



Date: 28.JUN.2011 18:48:13

12RB Size, RB Offset 6, 16QAM

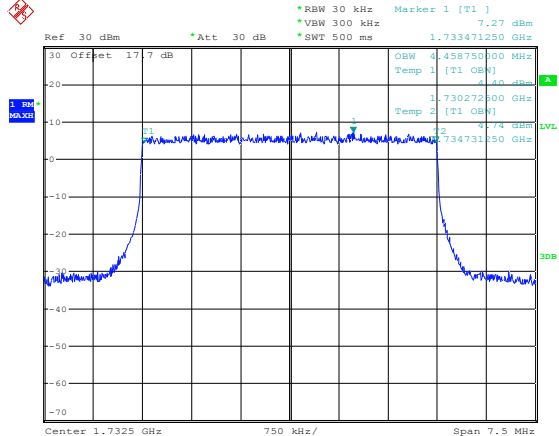
OBW = 2.16 MHz



Date: 28.JUN.2011 18:54:58

25RB Size, RB Offset 0, QPSK

OBW = 4.47 MHz



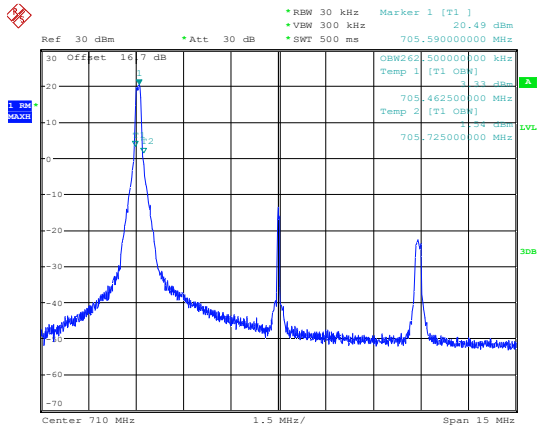
Date: 28.JUN.2011 18:55:46

25RB Size, RB Offset 0, 16QAM

OBW = 4.46 MHz

Band 17

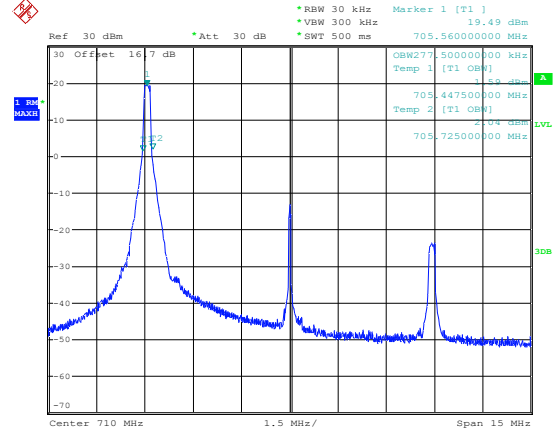
Bandwidth 10M



Date: 28.JUN.2011 18:37:36

1RB Size, RB Offset 0, QPSK

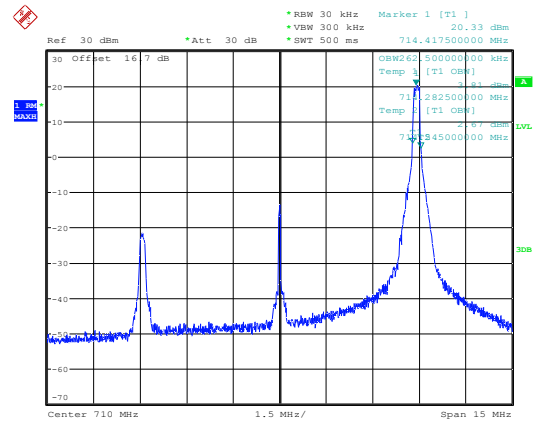
OBW = 263 KHz



Date: 28.JUN.2011 18:37:10

1RB Size, RB Offset 0, 16QAM

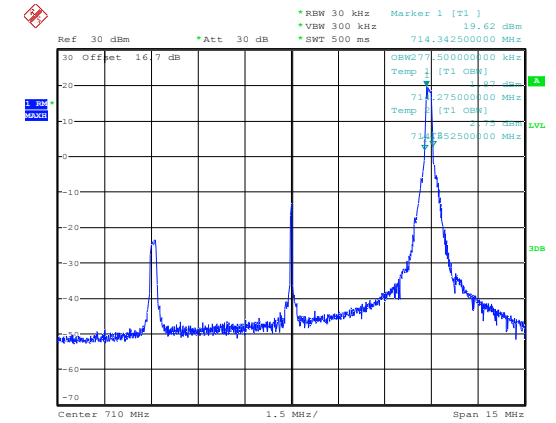
OBW = 278 KHz



Date: 28.JUN.2011 18:38:07

1RB Size, RB Offset 49, QPSK

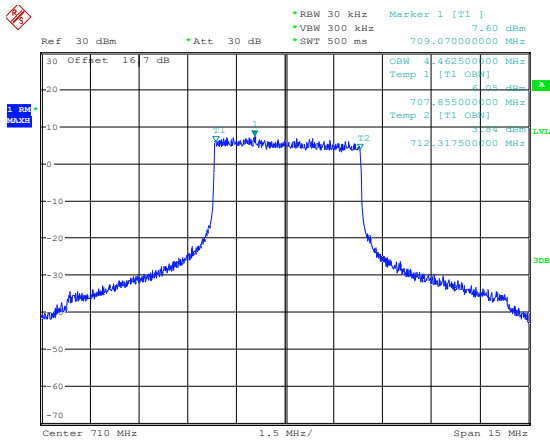
OBW = 263 KHz



Date: 28.JUN.2011 18:38:37

1RB Size, RB Offset 49, 16QAM

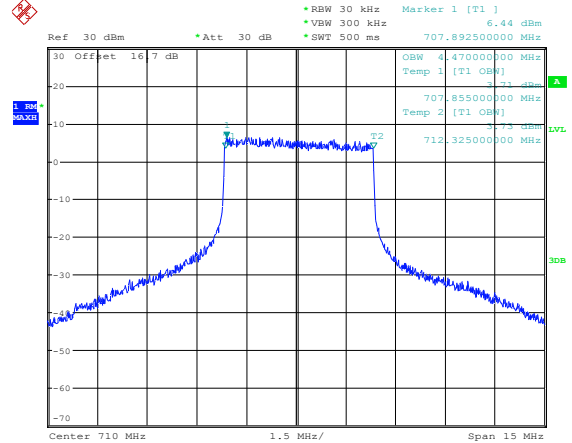
OBW = 247 KHz



Date: 28.JUN.2011 18:39:57

25RB Size, RB Offset 13, QPSK

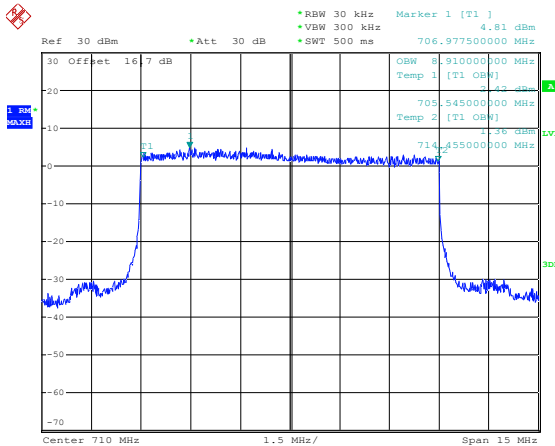
OBW = 4.46 MHz



Date: 28.JUN.2011 18:39:26

25RB Size, RB Offset 13, 16QAM

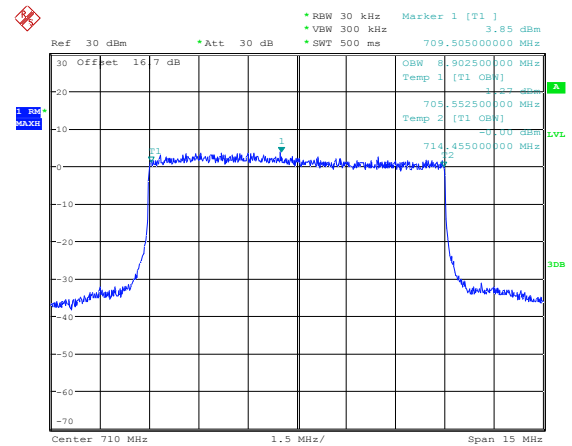
OBW = 4.48 MHz



Date: 28.JUN.2011 19:05:59

50RB Size, RB Offset 0, QPSK

OBW = 8.9 MHz



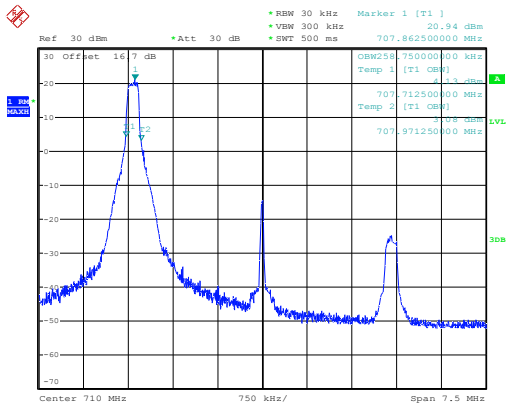
Date: 28.JUN.2011 19:05:11

50RB Size, RB Offset 0, 16QAM

OBW = 8.9 MHz



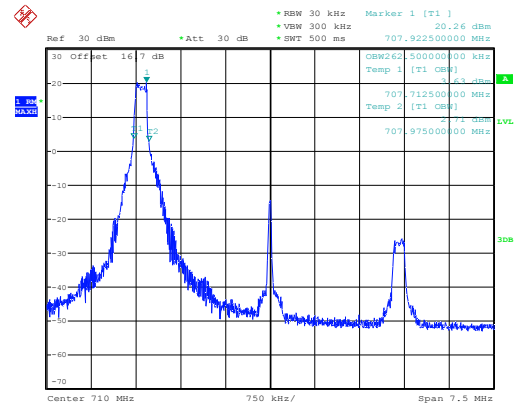
Bandwidth 5M



Date: 28 JUN 2011 18:41:32

1RB Size, RB Offset 0, QPSK

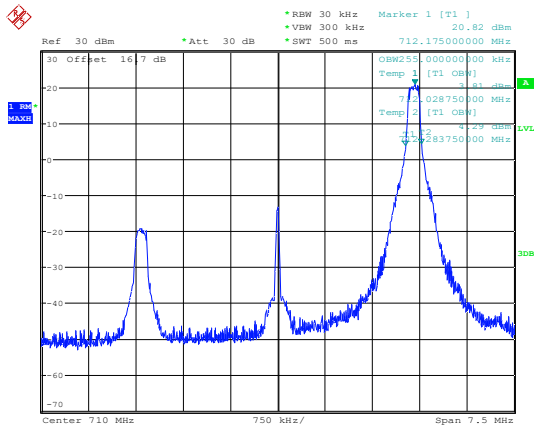
OBW = 259 KHz



Date: 28 JUN 2011 18:41:58

1RB Size, RB Offset 0, 16QAM

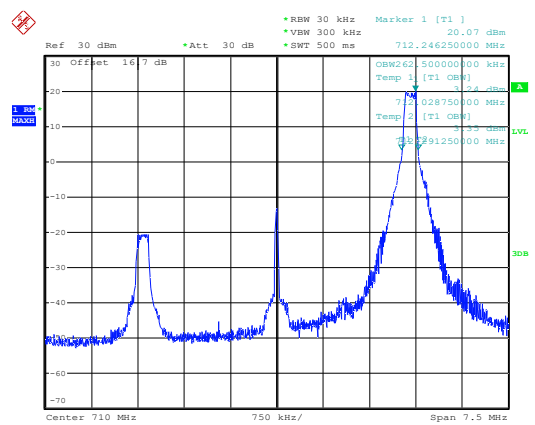
OBW = 263 KHz



Date: 28 JUN 2011 18:43:01

1RB Size, RB Offset 24, QPSK

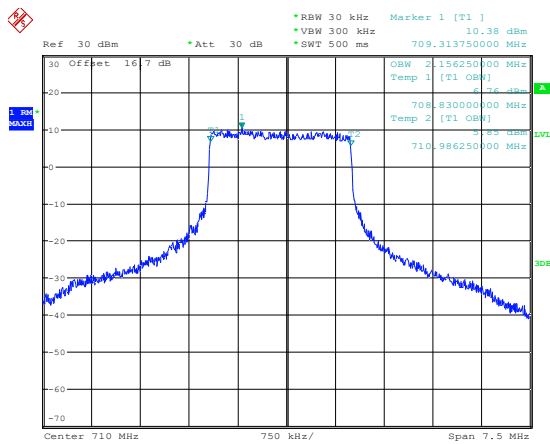
OBW = 255 KHz



Date: 28 JUN 2011 18:42:30

1RB Size, RB Offset 24, 16QAM

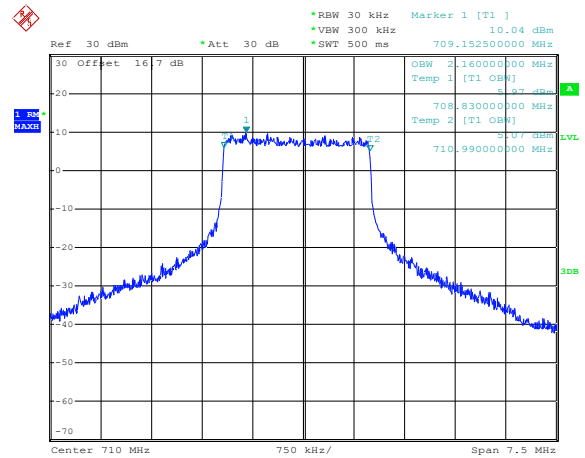
OBW = 263 KHz



Date: 28.JUN.2011 18:43:54

12RB Size, RB Offset 6, QPSK

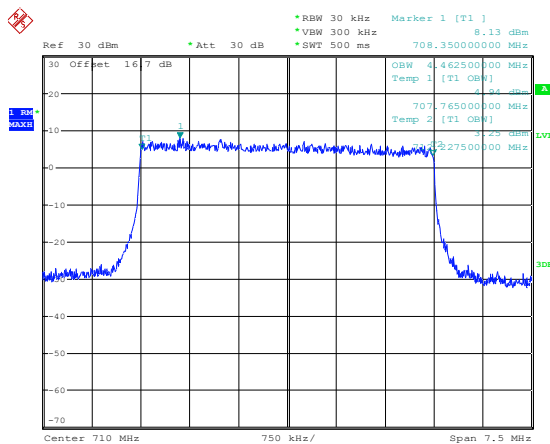
OBW = 2.15 MHz



Date: 28.JUN.2011 18:44:44

12RB Size, RB Offset 6, 16QAM

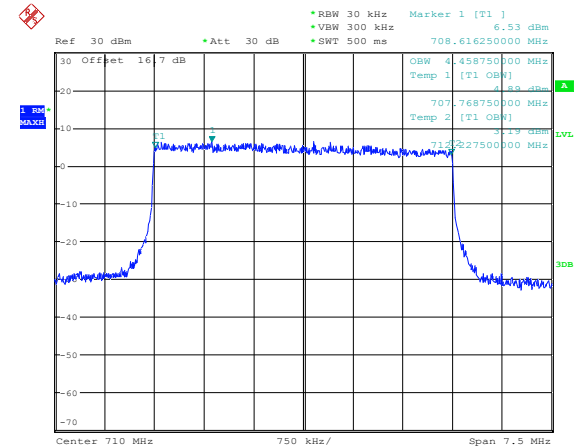
OBW = 2.16 MHz



Date: 28.JUN.2011 19:08:16

25RB Size, RB Offset 0, QPSK

OBW = 4.46 MHz



Date: 28.JUN.2011 19:08:40

25RB Size, RB Offset 0, 16QAM

OBW = 4.47 MHz