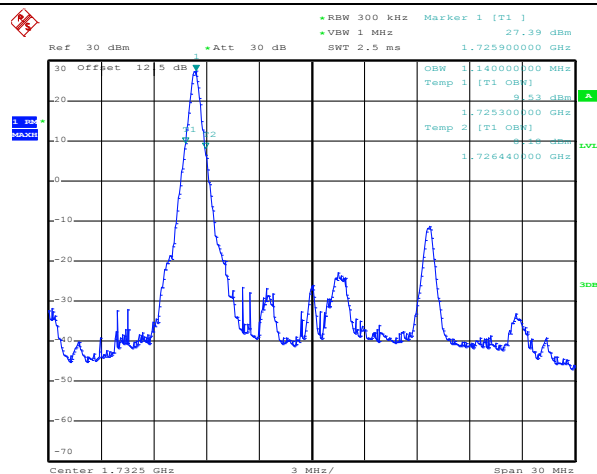


Appendix E. LTE spectrum plots for different RB allocations

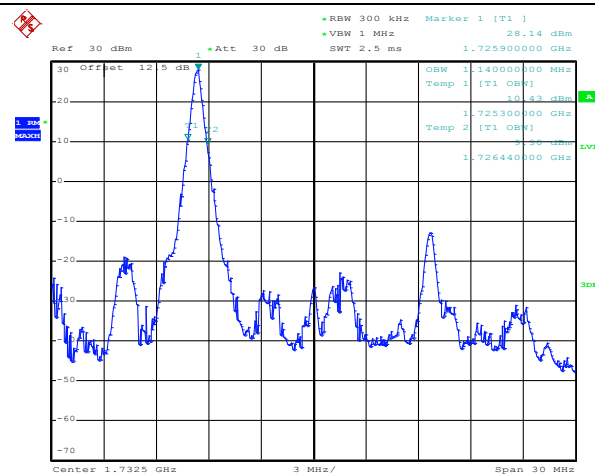
Band 4

Bandwidth 15M



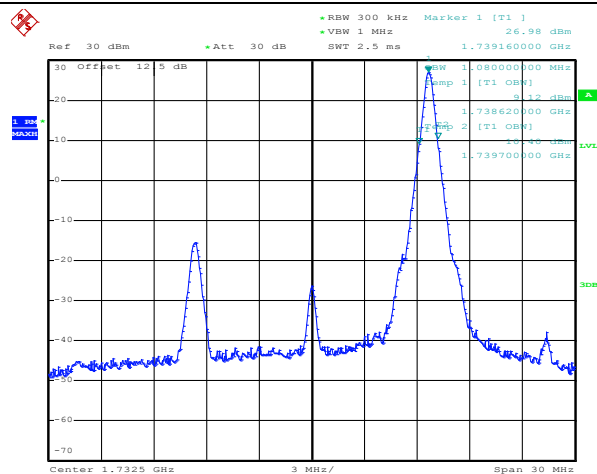
Date: 3.AUG.2011 10:57:39

1RB Size, RB Offset 0, QPSK

$$\text{OBW} = 1.14 \text{ MHz}$$


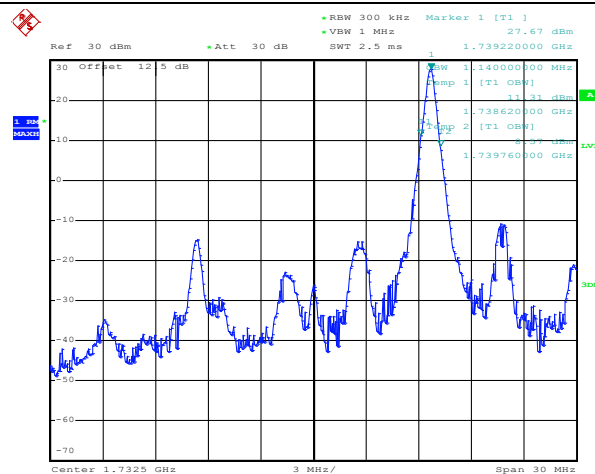
Date: 3.AUG.2011 11:02:35

1RB Size, RB Offset 0, 16QAM

$$\text{OBW} = 1.14 \text{ MHz}$$


Date: 3.AUG.2011 10:58:44

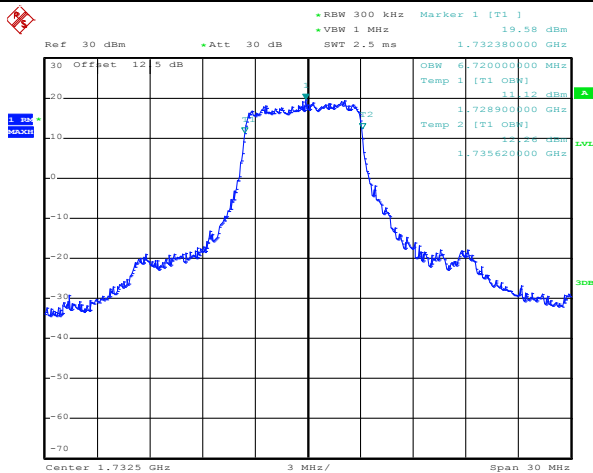
1RB Size, RB Offset 74, QPSK

$$\text{OBW} = 1.08 \text{ MHz}$$


Date: 3.AUG.2011 11:04:01

1RB Size, RB Offset 74, 16QAM

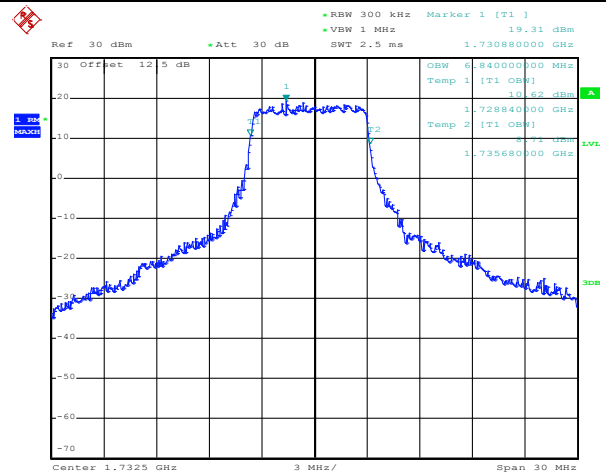
$$\text{OBW} = 1.14 \text{ MHz}$$



Date: 3.AUG.2011 11:00:22

36RB Size, RB Offset 18, QPSK

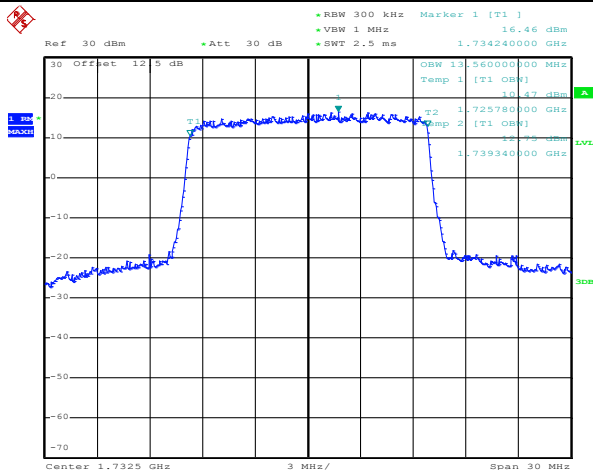
OBW = 6.72 MHz



Date: 3.AUG.2011 11:01:26

36RB Size, RB Offset 18, 16QAM

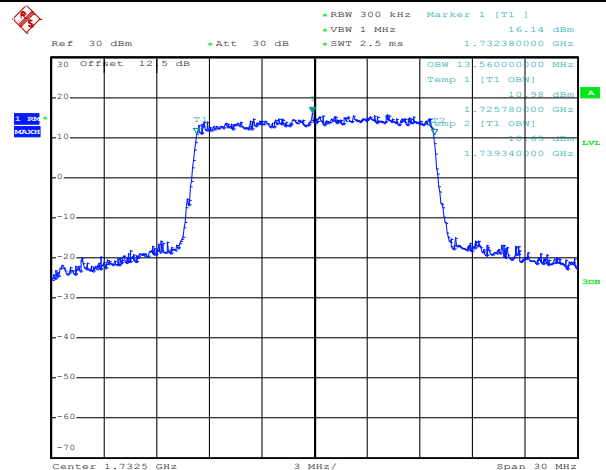
OBW = 6.84 MHz



Date: 5.SEP.2011 16:18:02

75RB Size, RB Offset 0, QPSK

OBW = 13.56 MHz



Date: 5.SEP.2011 16:18:46

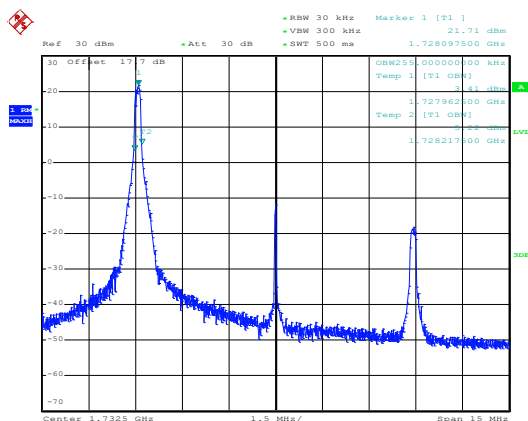
75RB Size, RB Offset 0, 16QAM

OBW = 13.56 MHz



Band 4

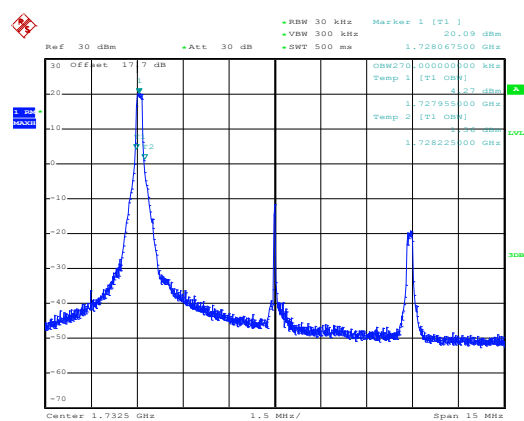
Bandwidth 10M



Date: 28.JUN.2011 19:00:20

1RB Size, RB Offset 0, QPSK

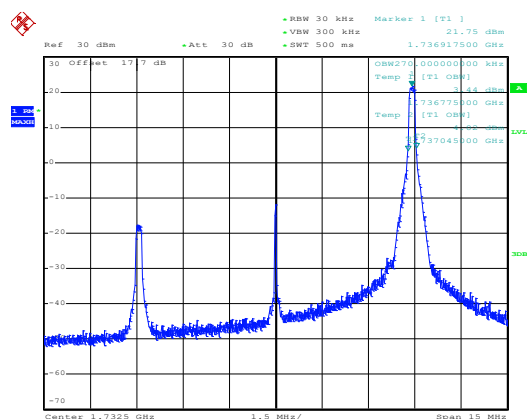
OBW = 255 KHz



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

1RB Size, RB Offset 0, 16QAM

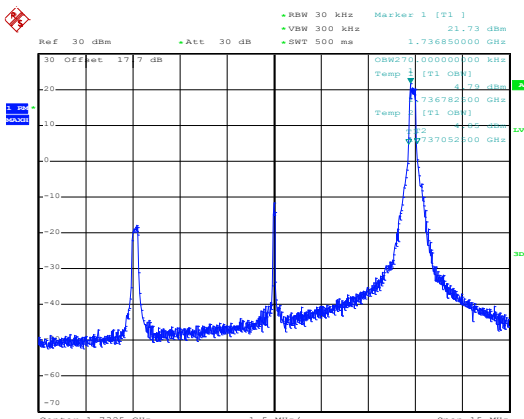
OBW = 270 KHz



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

1RB Size, RB Offset 49, QPSK

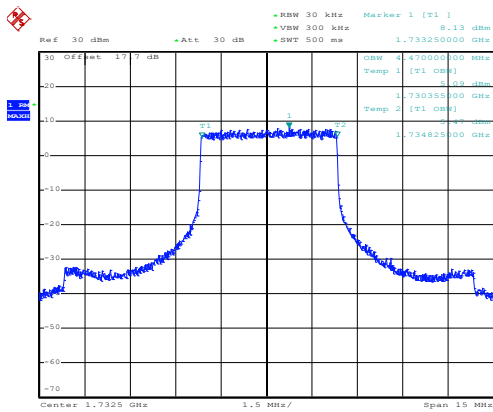
OBW = 269 KHz



Date: 28.JUN.2011 19:01:30

1RB Size, RB Offset 49, 16QAM

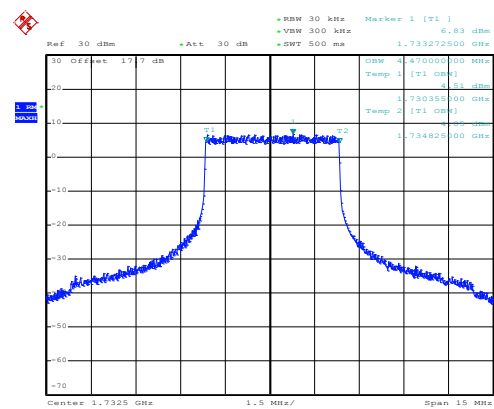
OBW = 270 KHz



Date: 28.JUN.2011 18:58:35

25RB Size, RB Offset 13, QPSK

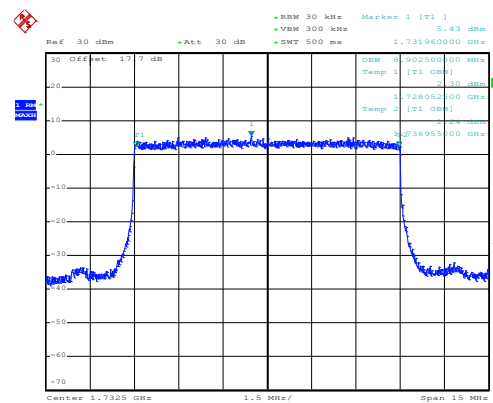
OBW = 4.47 MHz



Date: 28.JUN.2011 18:59:03

25RB Size, RB Offset 13, 16QAM

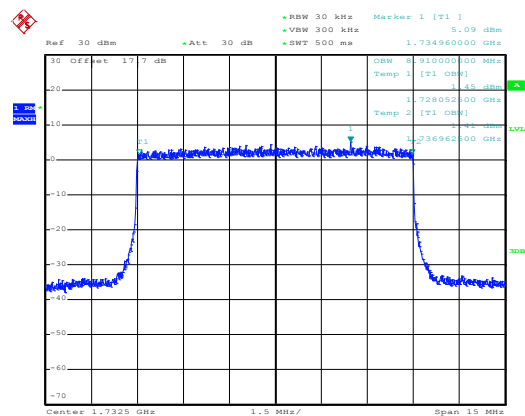
OBW = 4.47MHz



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

50RB Size, RB Offset 0, QPSK

OBW = 8.9MHz



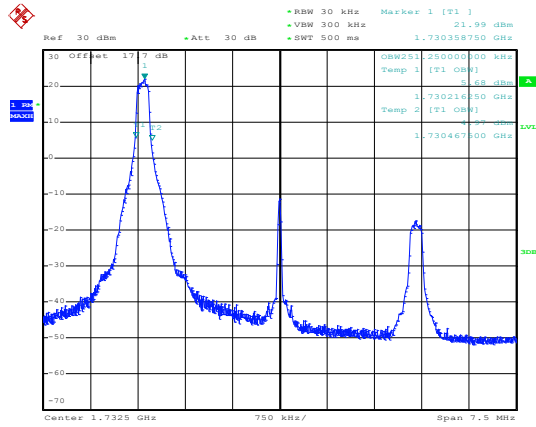
Date: 28.JUN.2011 18:56:56

50RB Size, RB Offset 0, 16QAM

OBW = 8.91 MHz



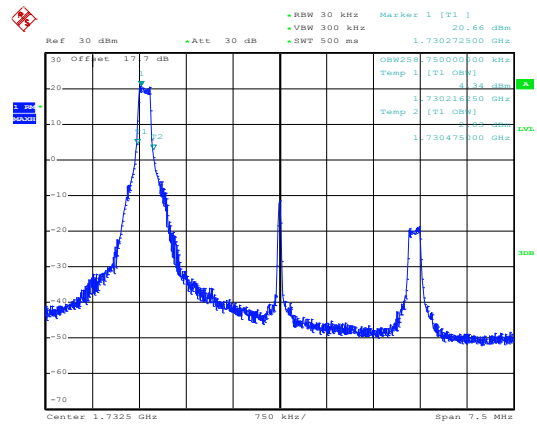
Bandwidth 5M



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

1RB Size, RB Offset 0, QPSK

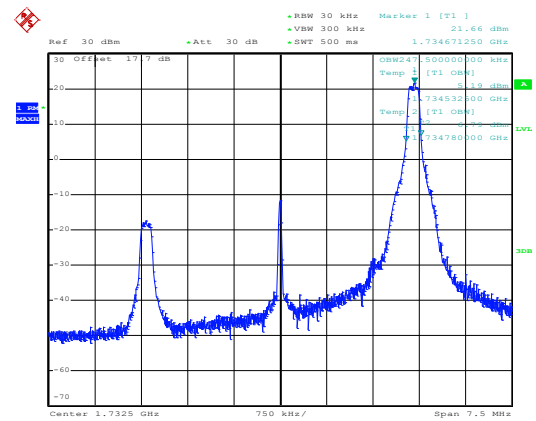
OBW = 259 KHz



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

1RB Size, RB Offset 0, 16QAM

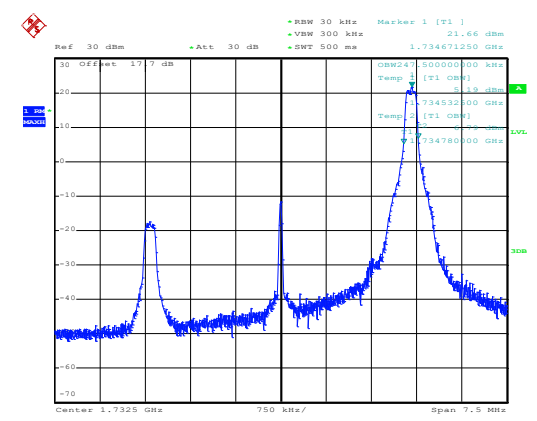
OBW = 259 KHz



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

1RB Size, RB Offset 24, QPSK

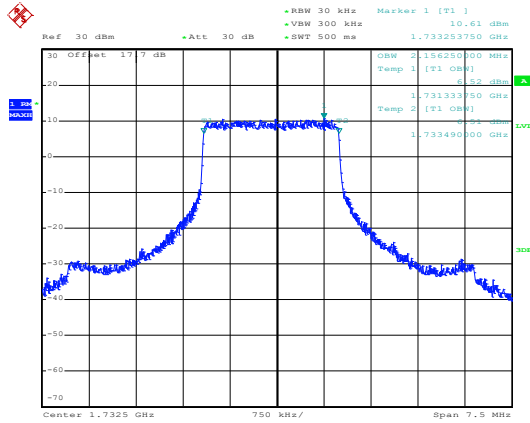
OBW = 248 KHz



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

1RB Size, RB Offset 24, 16QAM

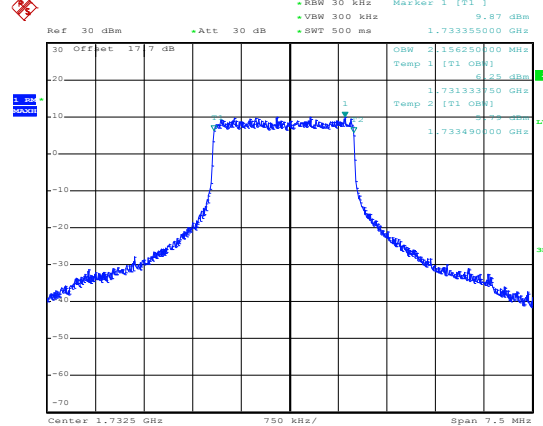
OBW = 248 KHz



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

12RB Size, RB Offset 6, QPSK

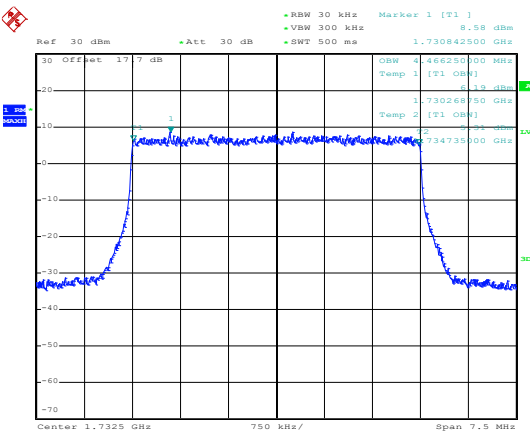
OBW = 2.16 MHz



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

12RB Size, RB Offset 6, 16QAM

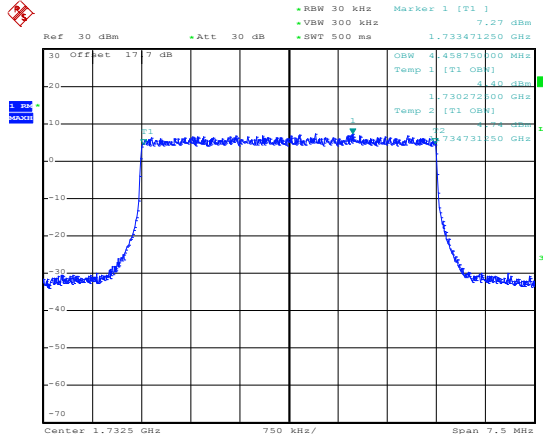
OBW = 2.16 MHz



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

25RB Size, RB Offset 0, QPSK

OBW = 4.47 MHz



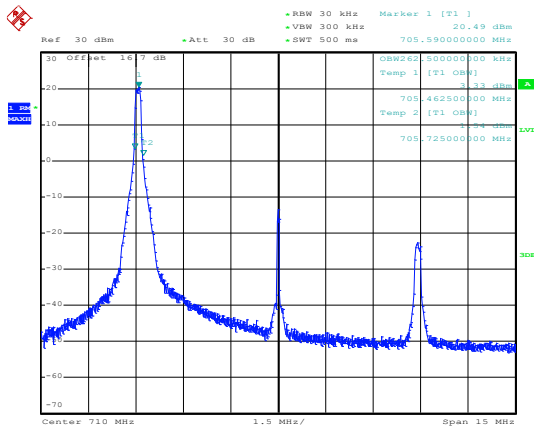
Date: 28.JUN.2011 18:55:46

25RB Size, RB Offset 0, 16QAM

OBW = 4.46 MHz

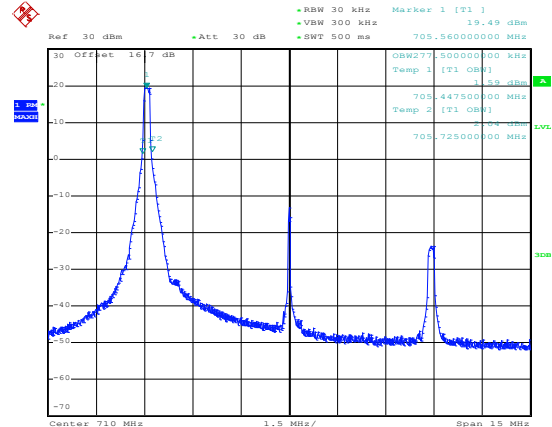
Band 17

Bandwidth 10M



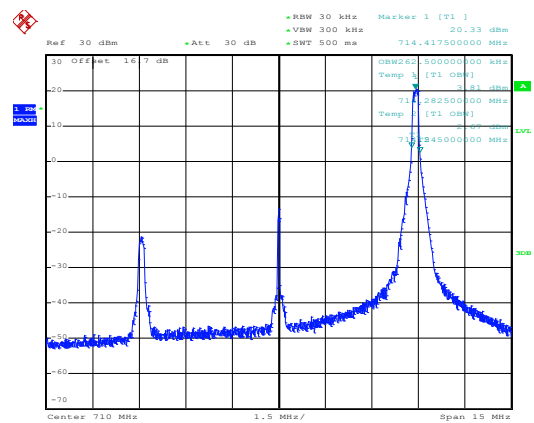
1RB Size, RB Offset 0, QPSK

OBW = 263 KHz



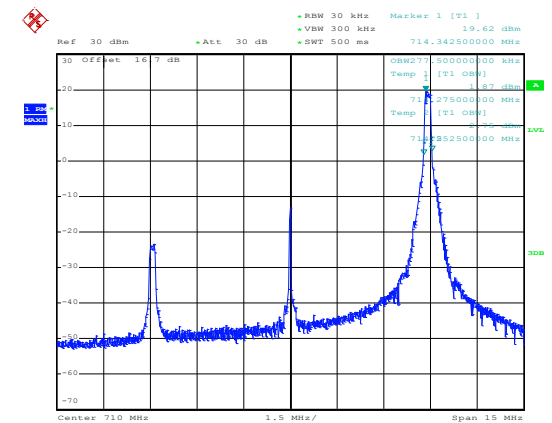
1RB Size, RB Offset 0, 16QAM

OBW = 278 KHz



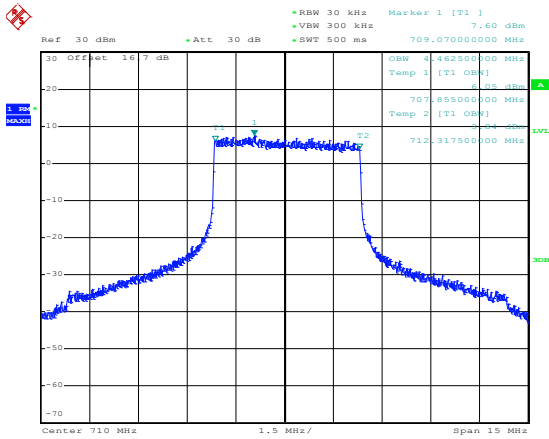
1RB Size, RB Offset 49, QPSK

OBW = 263 KHz



1RB Size, RB Offset 49, 16QAM

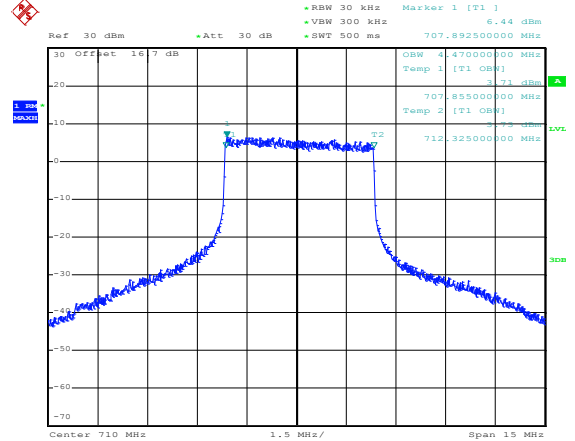
OBW = 247 KHz



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

25RB Size, RB Offset 13, QPSK

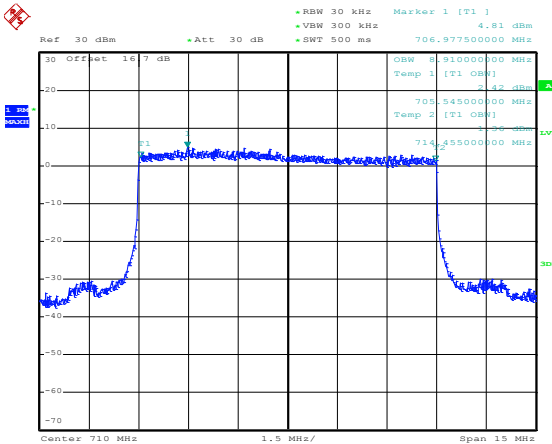
OBW = 4.46 MHz



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

25RB Size, RB Offset 13, 16QAM

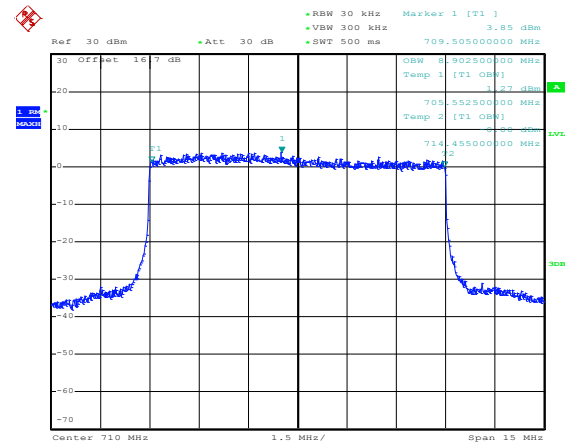
OBW = 4.48 MHz



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

50RB Size, RB Offset 0, QPSK

OBW = 8.9 MHz



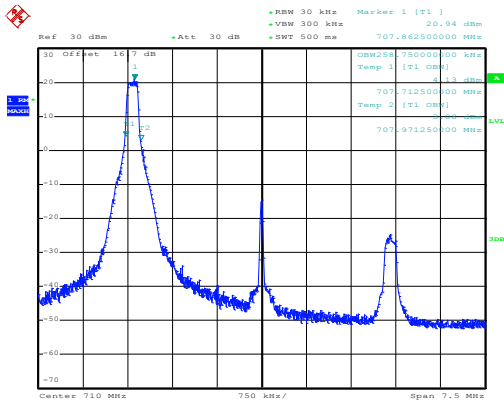
Date: 28.JUN.2011 19:05:11

50RB Size, RB Offset 0, 16QAM

OBW = 8.9 MHz



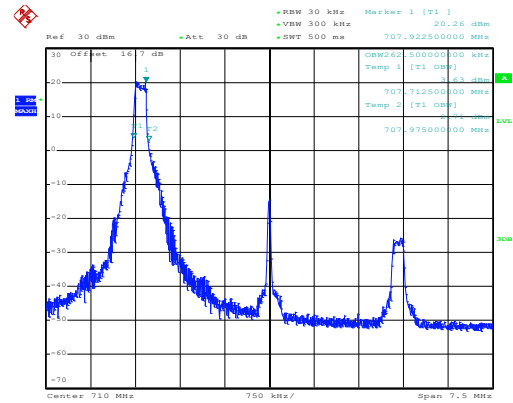
Bandwidth 5M



Date: 28.JUN.2011 18:41:32

1RB Size, RB Offset 0, QPSK

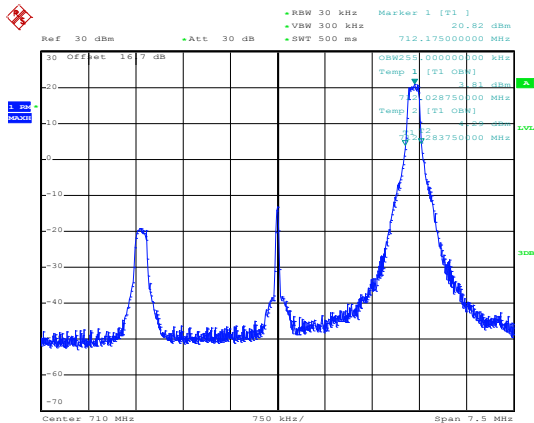
OBW = 259 KHz



Date: 28.JUN.2011 18:41:58

1RB Size, RB Offset 0, 16QAM

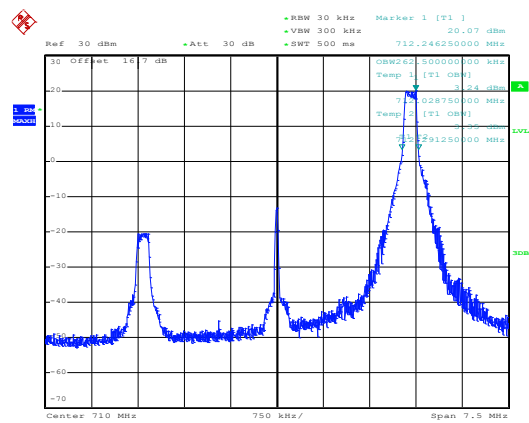
OBW = 263 KHz



Date: 28.JUN.2011 18:43:01

1RB Size, RB Offset 24, QPSK

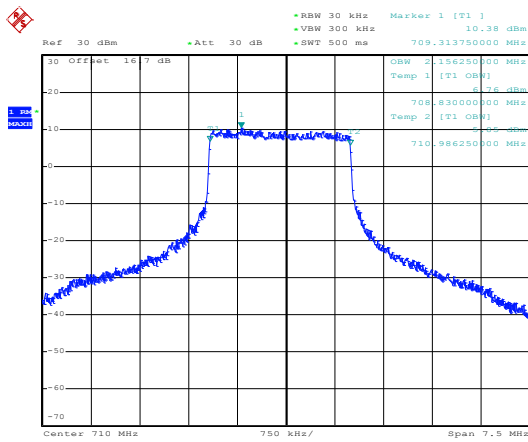
OBW = 255 KHz



Date: 28.JUN.2011 18:42:30

1RB Size, RB Offset 24, 16QAM

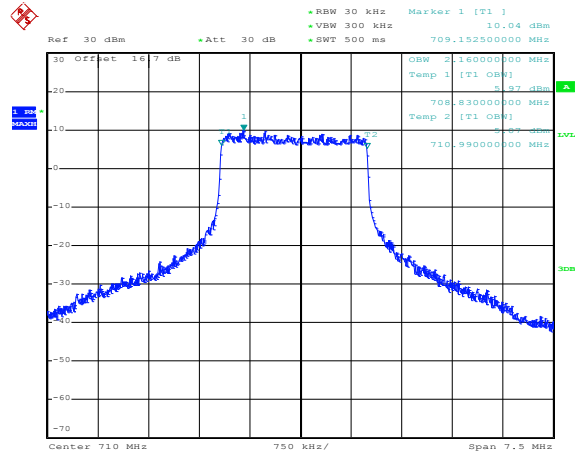
OBW = 263 KHz



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

12RB Size, RB Offset 6, QPSK

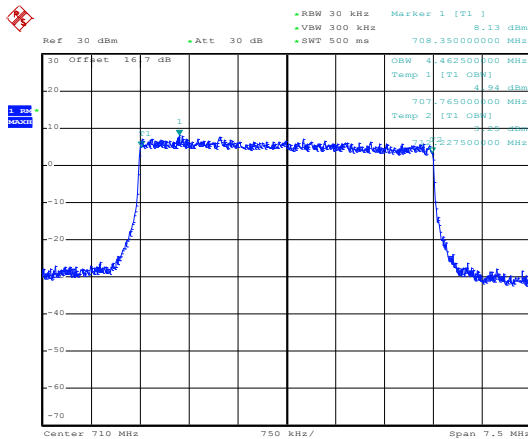
OBW = 2.15 MHz



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

12RB Size, RB Offset 6, 16QAM

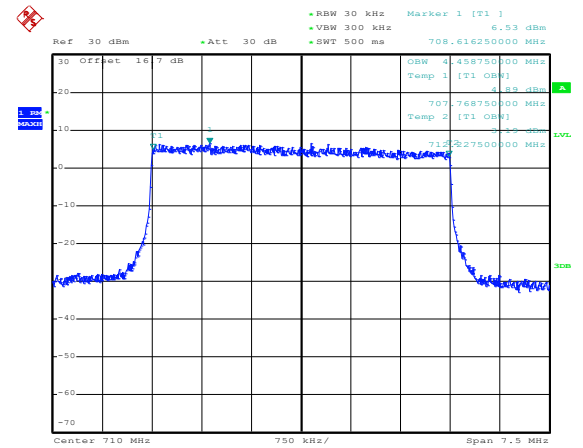
OBW = 2.16 MHz



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