Appendix D

Band Edges Compliance
According to FCC Part 2.1051 & 22.917

Report No:
SYBH(Z-RF)014042012-2001

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Page1, Total51

TABLE OF CONTENTS

Report No:
SYBH(Z-RF)014042012-2001

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Page2, Total51

1   For CDMA 800

1.1   Test Mode = TM1

1.1.1.1 Channel = B

```
                                        *RBW  20 kHz        Marker 1 [T1 ]
                                        *VBW 200 kHz              -18.70 dBm
         Ref  35 dBm          Att  45 dB   SWT 20 ms       823.990000000 MHz
```



```
Date: 13.APR.2012  23:05:21
```

1.1.1.2 Channel =T

```
                                      * RBW 20 kHz        Marker 1 [T1 ]
                                      * VBW 200 kHz             -22.80 dBm
       Ref  35 dBm         Att  45 dB   SWT 20 ms        849.015000000 MHz
```
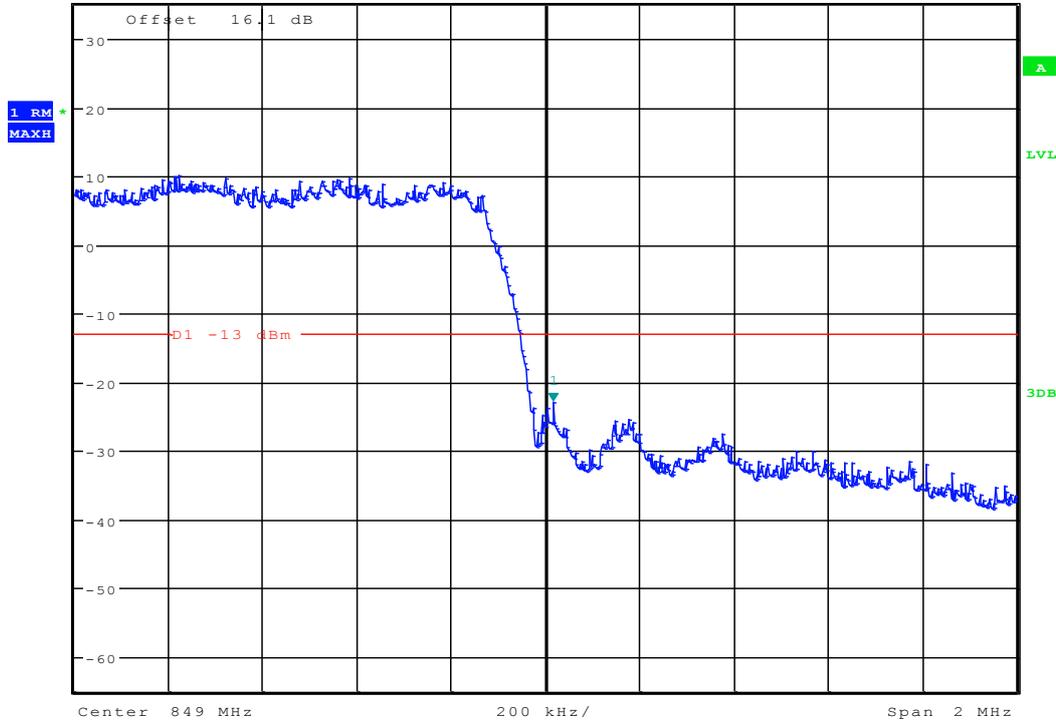


```
Date: 13.APR.2012  23:05:35
```

1.2 Test Mode = TM3

1.2.1.1 Channel = B


```
                              * RBW  20 kHz        Marker 1 [T1 ]
                              * VBW  200 kHz                 -19.97 dBm
      Ref   35 dBm        Att   45 dB     SWT  20 ms      824.000000000 MHz
```

Date: 13.APR.2012 23:05:51

1.2.1.2 Channel =T

```
                                    * RBW  20 kHz        Marker 1 [T1 ]
                                    * VBW  200 kHz              -24.12 dBm
        Ref   35 dBm        Att   45 dB    SWT  20 ms      849.005000000 MHz
```



```
Date: 13.APR.2012  23:06:05
```

2 For EVDO 800

2.1 Test Mode = Subtype 0

2.1.1.1 Channel = B

Date: 13.APR.2012 23:41:35

Report No:
SYBH(Z-RF)014042012-2001

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Page8, Total51

2.1.1.2 Channel = T

```
* RBW  20 kHz        Marker 1 [T1 ]
* VBW  200 kHz              -21.85 dBm
Ref  35 dBm          Att  45 dB     SWT 20 ms     849.010000000 MHz
```



```
Center  849 MHz          200 kHz/                Span  2 MHz
```

Date: 13.APR.2012 23:41:49

2.2   Test Mode = Subtype 2

2.2.1.1 Channel = B
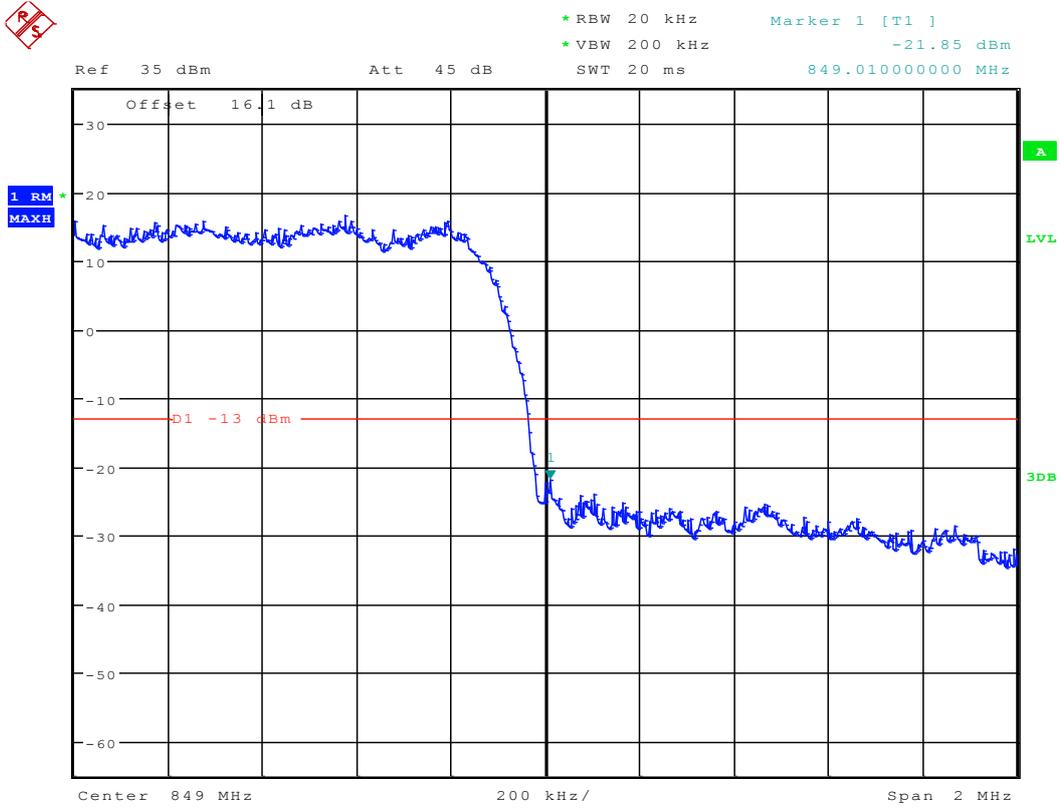
Modulation:BPSK

Date: 13.APR.2012 23:47:21

Modulation:QPSK


```
                                    * RBW  20 kHz      Marker 1 [T1 ]
                                    * VBW  200 kHz              -17.74 dBm
Ref  35 dBm              Att  45 dB   SWT  20 ms       823.940000000 MHz
```
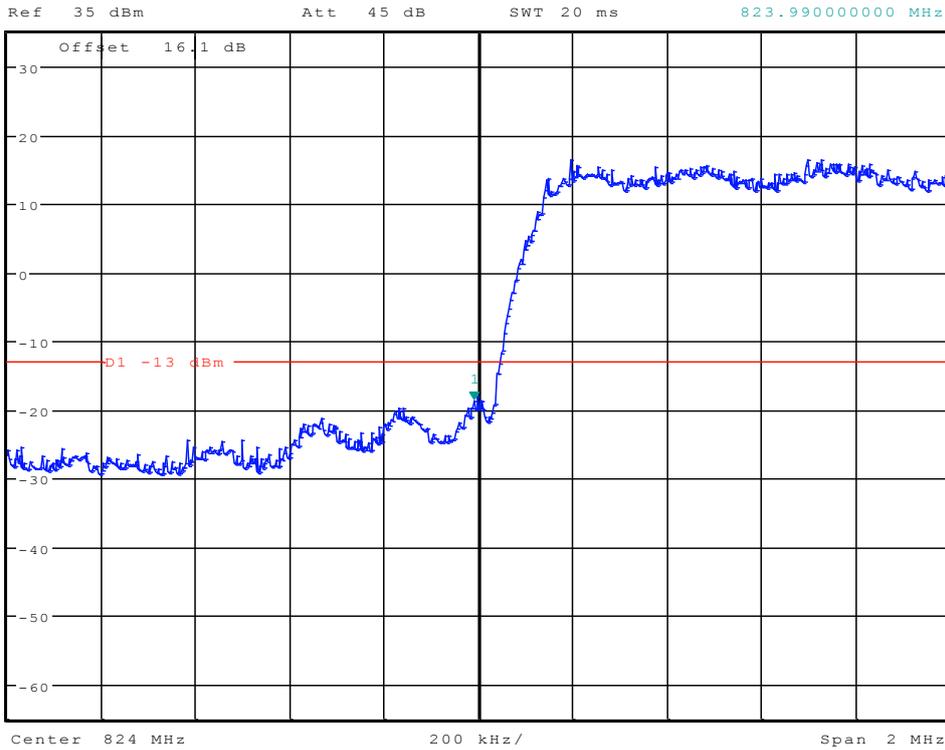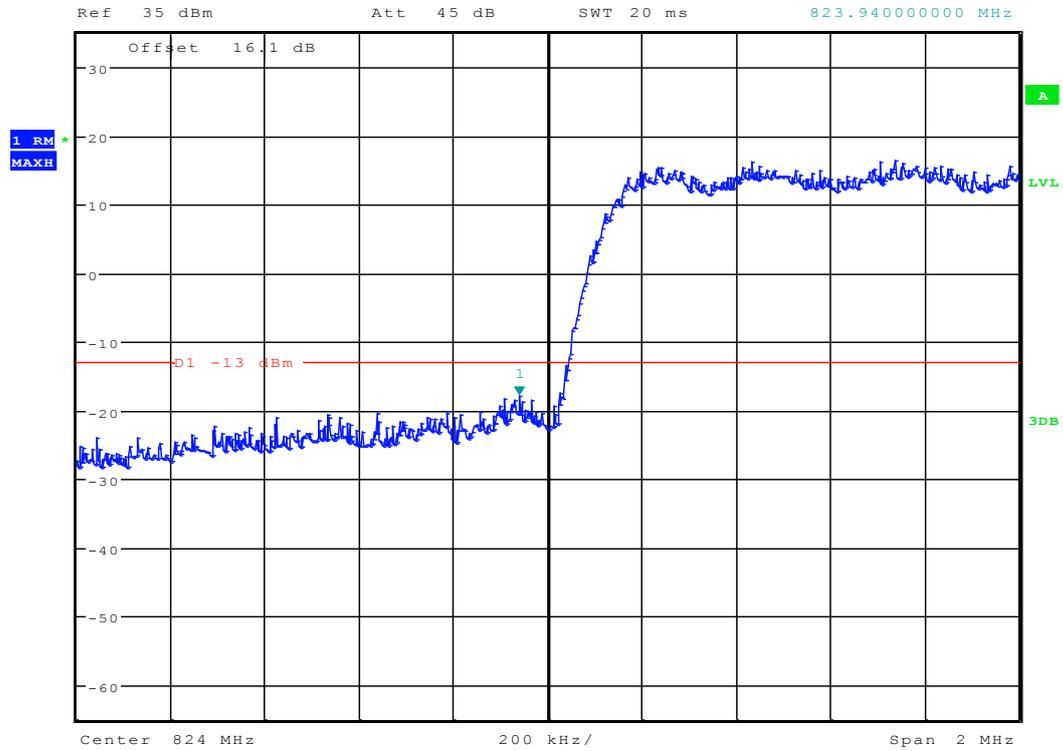
Date: 13.APR.2012 23:47:48

Modulation:8PSK


```
                                          * RBW  20 kHz      Marker 1 [T1 ]
                                          * VBW  200 kHz              -17.68 dBm
Ref  35 dBm              Att  45 dB       SWT  20 ms        823.925000000 MHz

     Offset  16.1 dB
```

Center 824 MHz   200 kHz/   Span 2 MHz

Date: 13.APR.2012 23:48:16

2.2.1.2 Channel = T
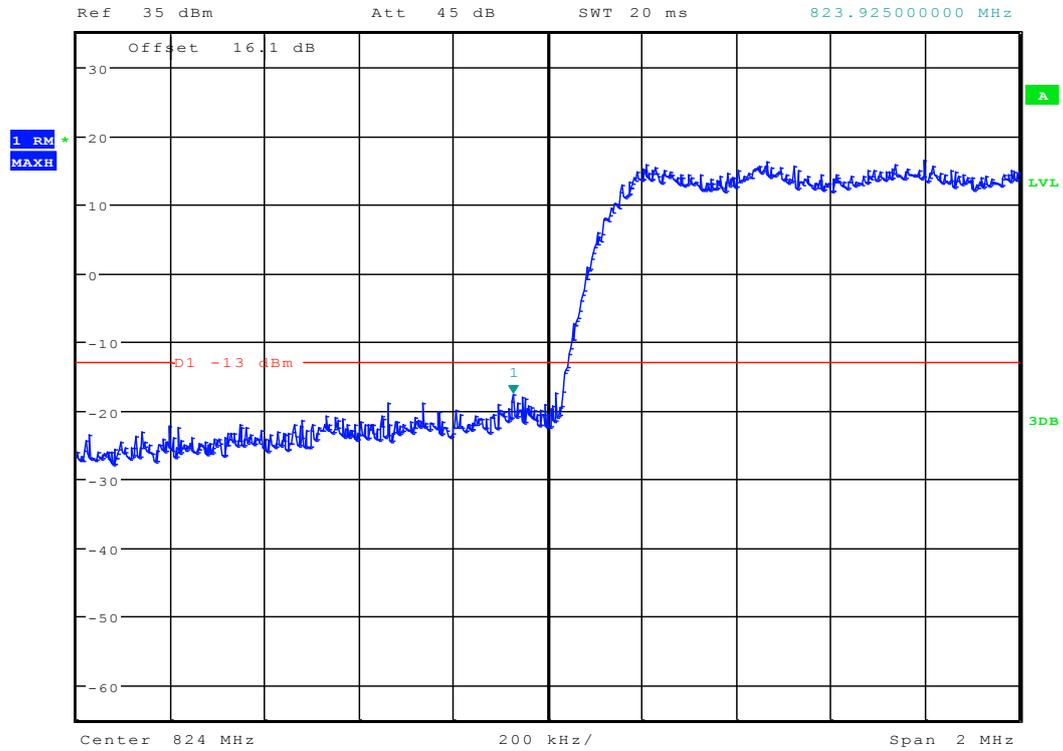
Modulation:BPSK

Date: 13.APR.2012 23:47:35

Modulation:QPSK


```
                                           *RBW  20 kHz        Marker 1 [T1 ]
                                           *VBW 200 kHz               -17.43 dBm
Ref  35 dBm              Att  45 dB         SWT  20 ms        849.050000000 MHz

        Offset  16.1 dB
```
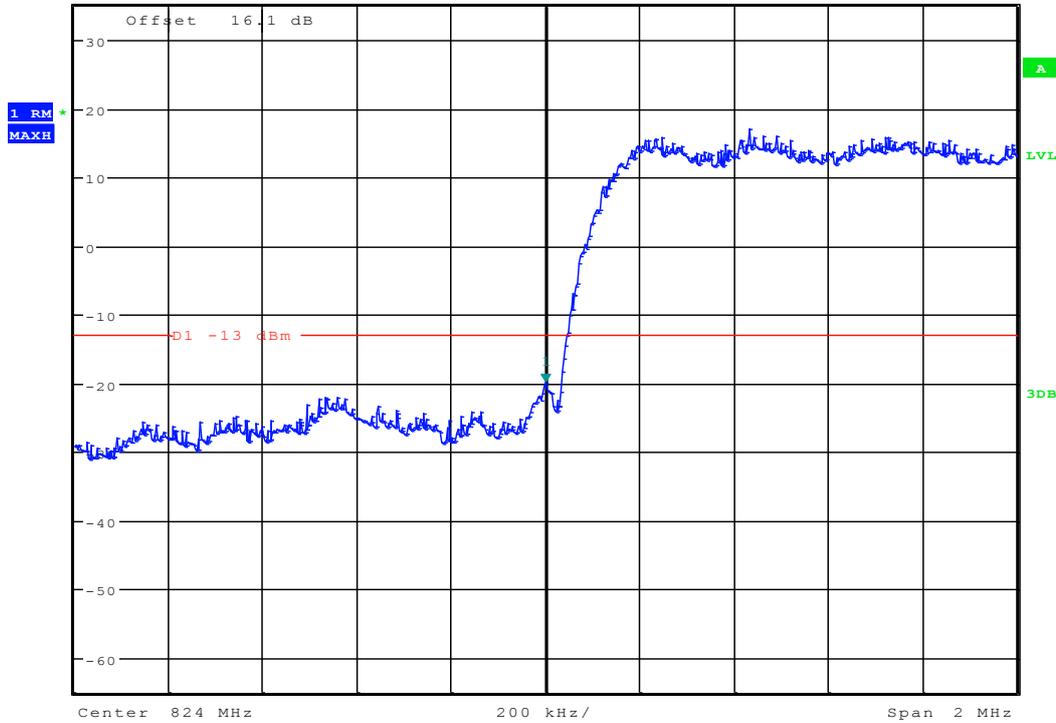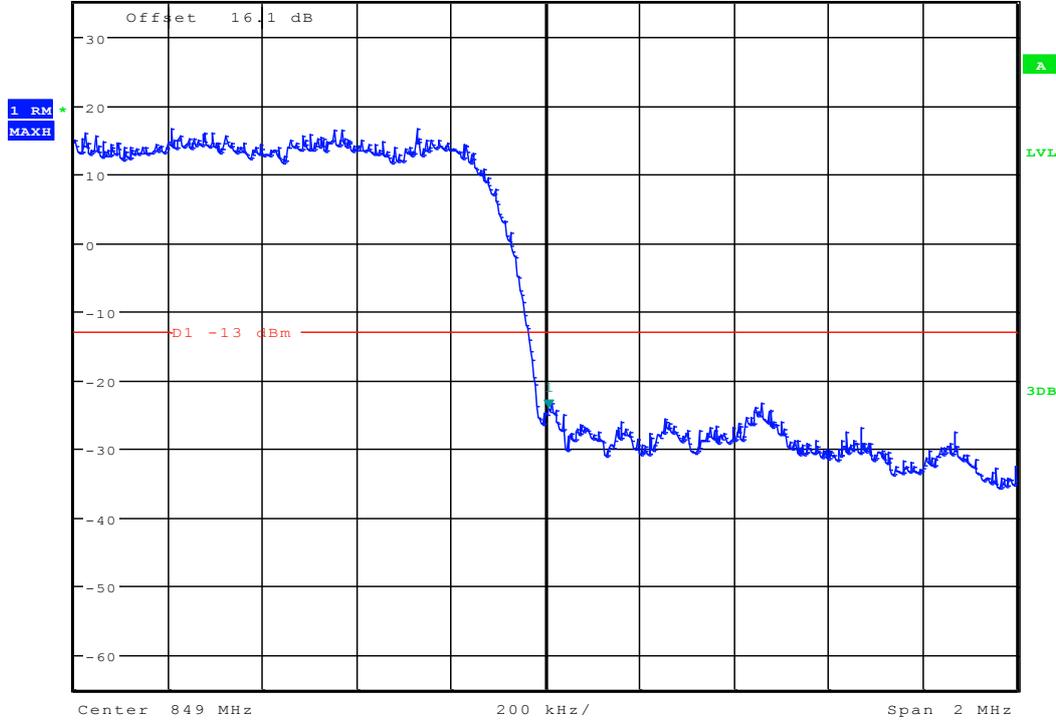
Center 849 MHz   200 kHz/   Span 2 MHz
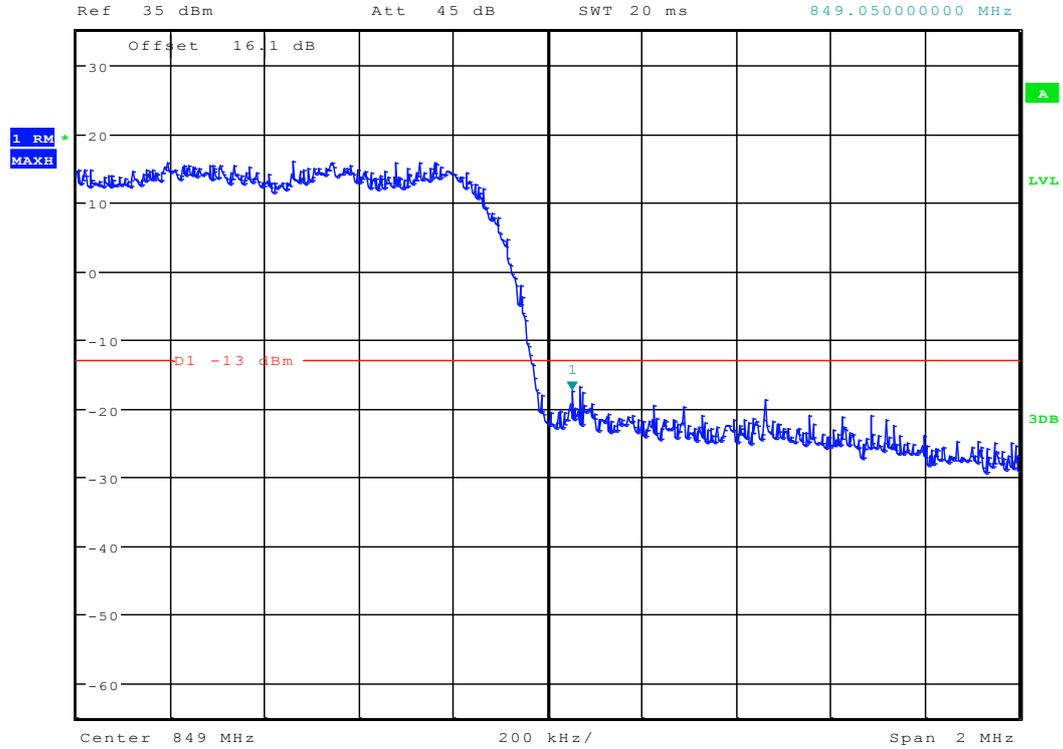
Date: 13.APR.2012 23:48:02

Modulation:8PSK

```
                                  * RBW  20 kHz      Marker 1 [T1 ]
                                  * VBW  200 kHz                -17.52 dBm
        Ref  35 dBm      Att  45 dB   SWT  20 ms     849.070000000 MHz
```
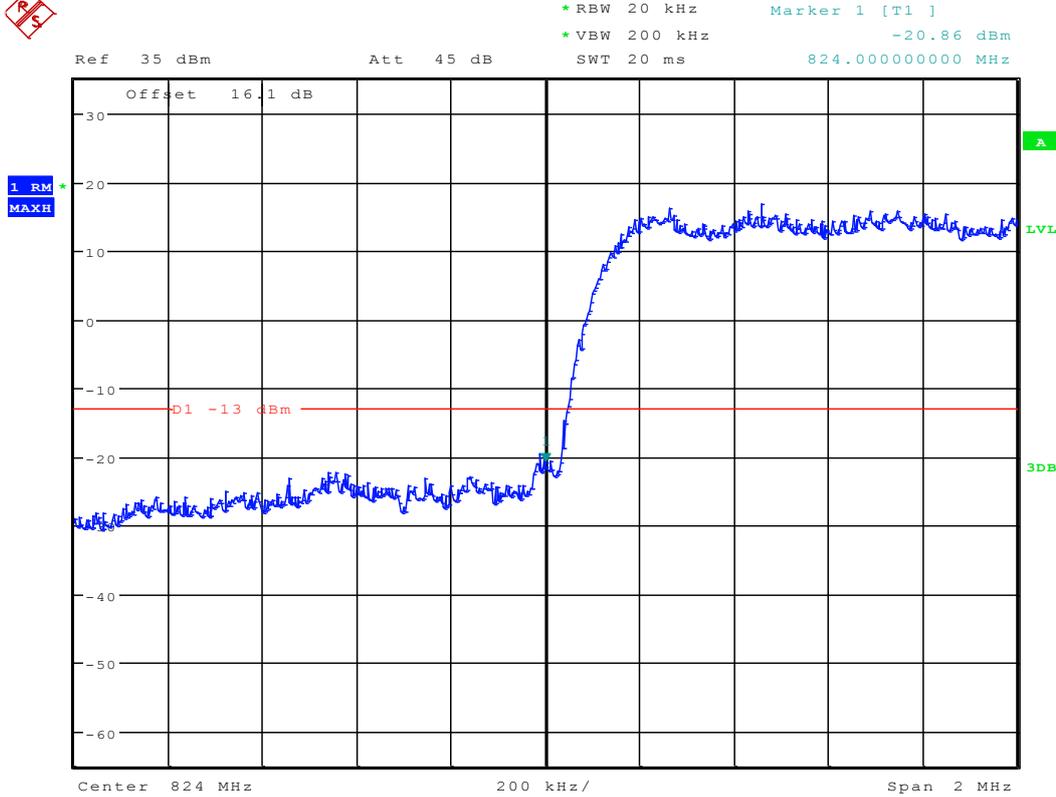


```
Center  849 MHz              200 kHz/              Span  2 MHz
```
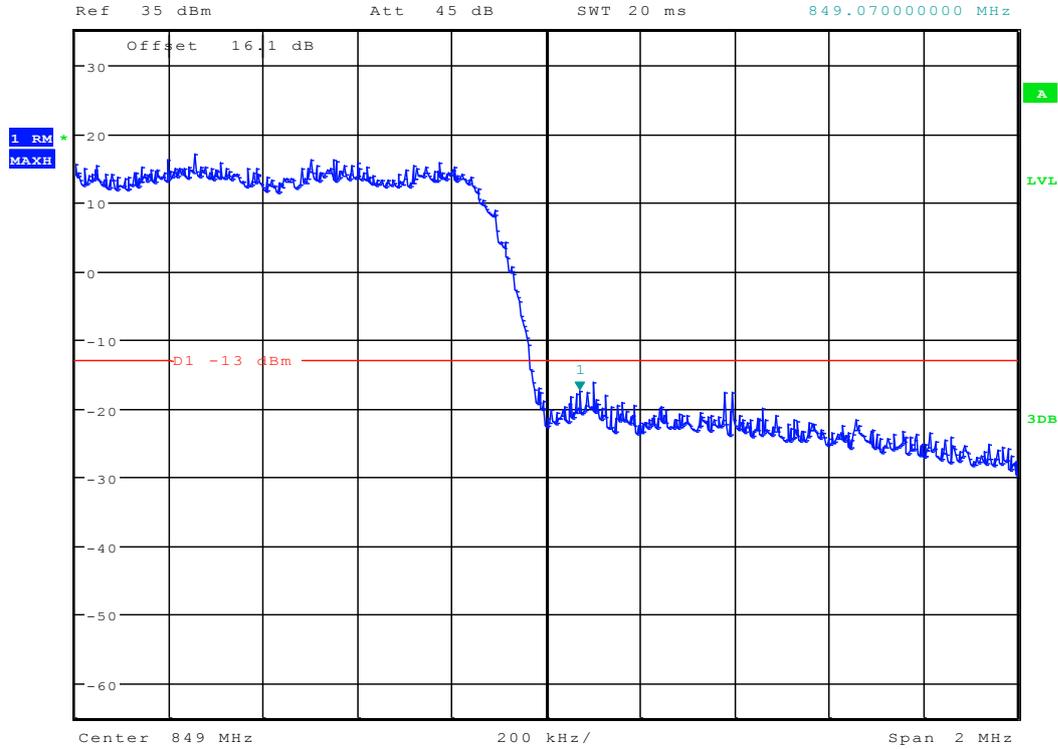
Date: 13.APR.2012 23:48:29

3 For Band 5

3.1 Test Mode=TM4

3.1.1 Channel Bandwidth = Lowest (1.4 MHz)

3.1.1.1 Channel= B

3.1.1.1.1 QPSK/1RB #0
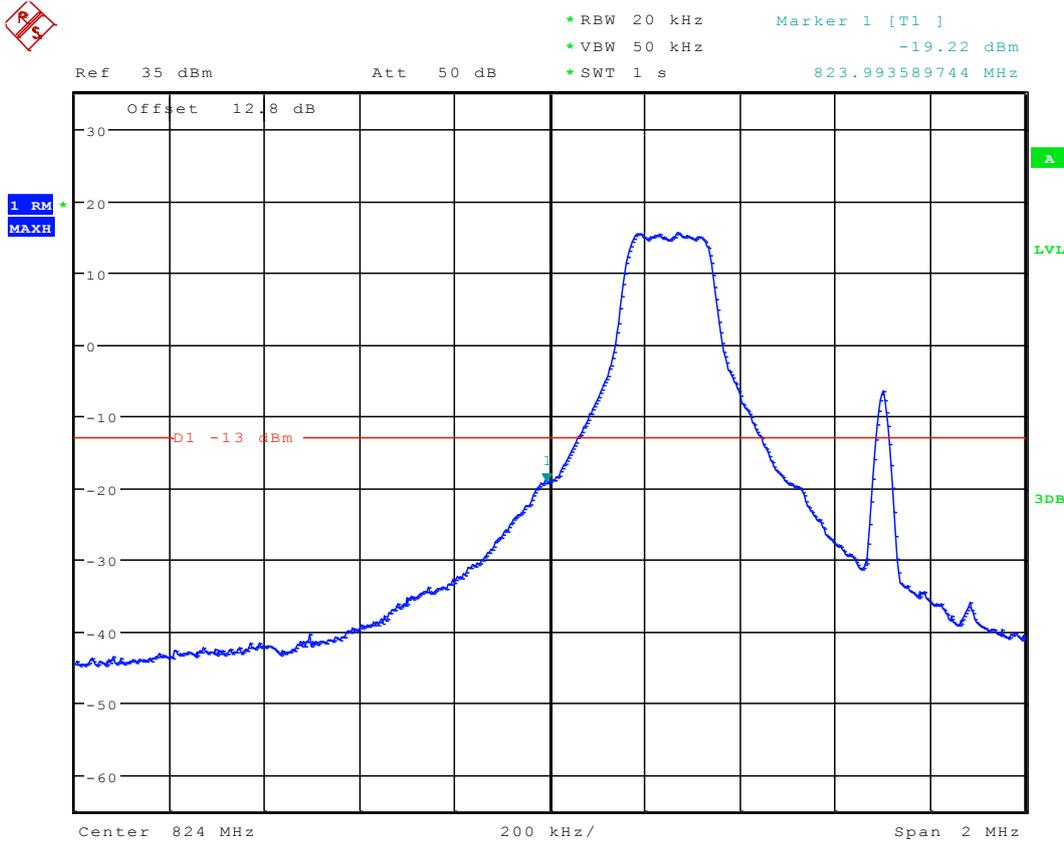
Date: 18.APR.2012 12:07:08

3.1.1.1.2 QPSK/Partial RBs /RB #0
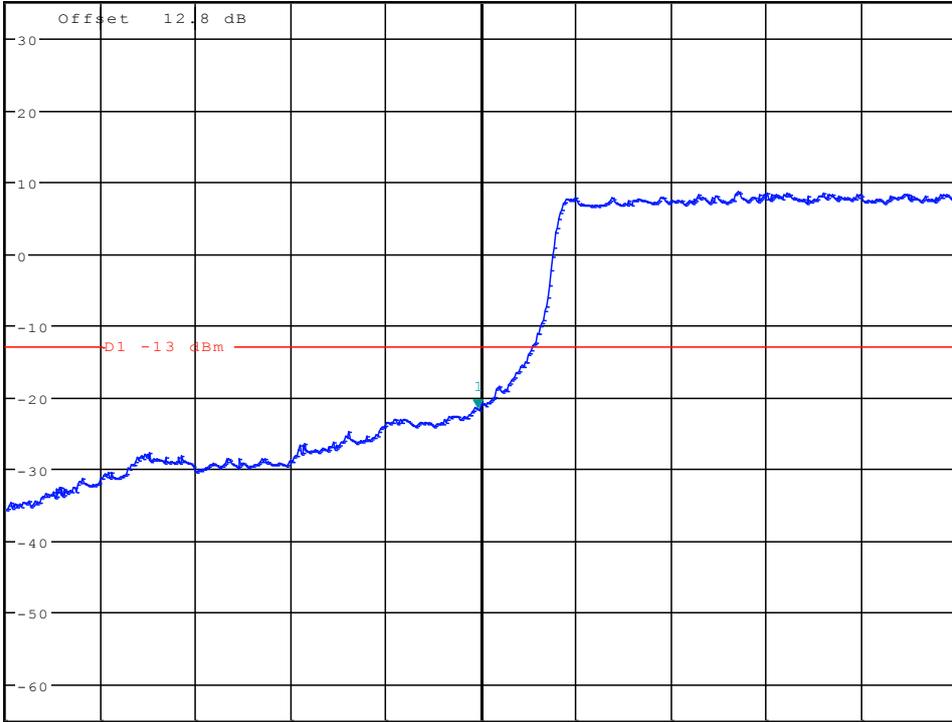
Date: 18.APR.2012 12:07:42

3.1.1.1.3 QPSK/full RBs


```
                                    * RBW  20 kHz      Marker 1 [T1 ]
                                    * VBW  50 kHz                   -23.51 dBm
     Ref  35 dBm          Att  50 dB  * SWT  1 s       823.971153846 MHz
```
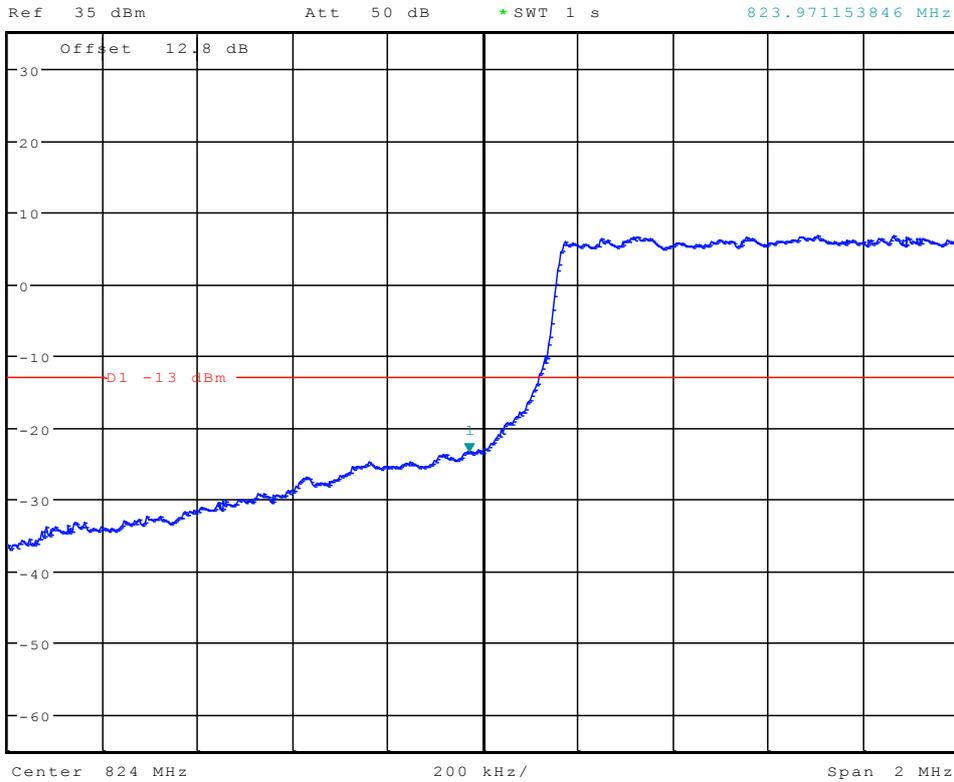
Date: 18.APR.2012 12:08:17

3.1.1.2 Channel= T

3.1.1.2.1 QPSK/1RB #max
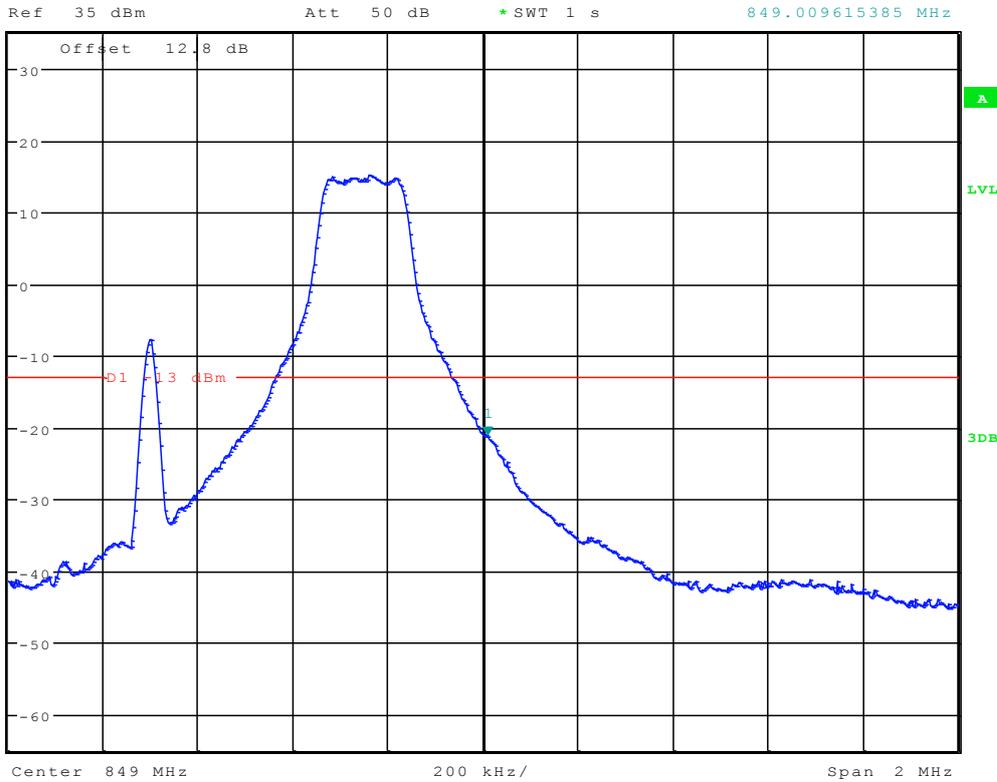
Date: 18.APR.2012 12:05:26

3.1.1.2.2 QPSK/Partial RBs /RB #max

```
                                    * RBW  20 kHz      Marker 1 [T1 ]
                                    * VBW  50 kHz              -22.89 dBm
        Ref  35 dBm        Att  50 dB   * SWT  1 s       849.009615385 MHz

          Offset   12.8 dB
         -30                                                        A

    1 RM  -20                                                       LVL
    MAXH
         -10

          0

        -10
    D1 -13 dBm
        -20                                                         3DB

        -30

        -40

        -50

        -60

        Center  849 MHz          200 kHz/              Span  2 MHz
```

Date: 18.APR.2012 12:04:25

3.1.1.2.3 QPSK/full RBs

Date: 18.APR.2012 12:05:03

3.1.2 Channel Bandwidth =5 MHz

3.1.2.1 Channel= B

3.1.2.1.1 QPSK/1RB #0

```
                                    * RBW  50 kHz      Marker 1 [T1 ]
                                    * VBW  200 kHz              -17.84 dBm
     Ref   35 dBm        Att   50 dB  * SWT  1 s        823.990384615 MHz
```



```
Center  824 MHz              200 kHz/              Span  2 MHz
```
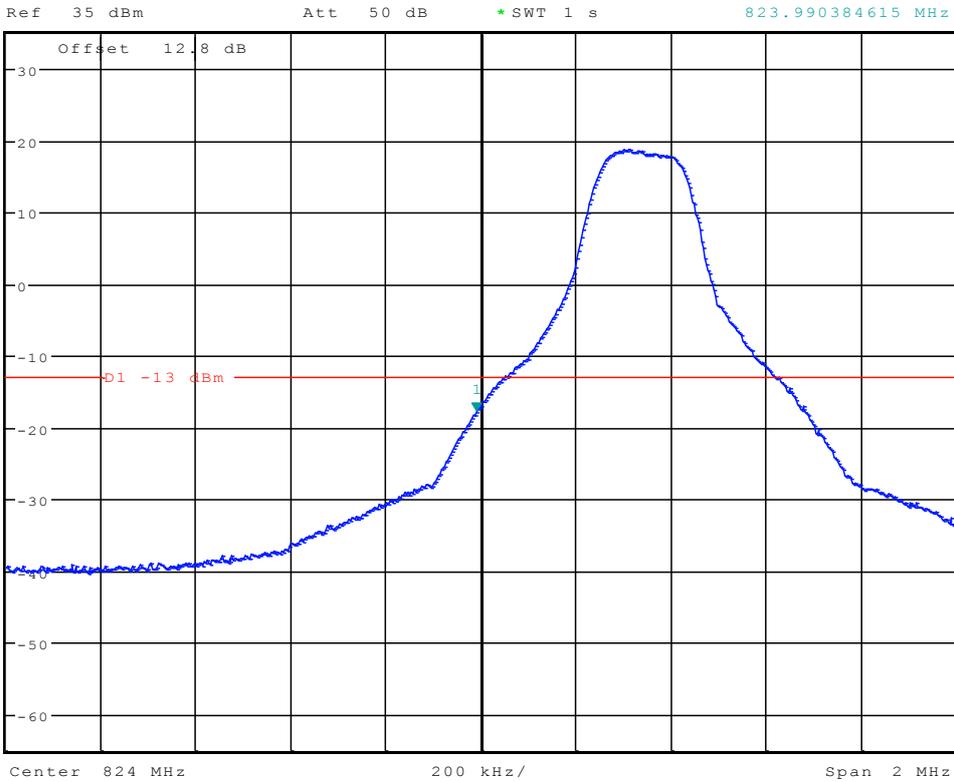
Date: 18.APR.2012 11:51:40

3.1.2.1.2 QPSK/Partial RBs /RB #0

```
                                           *RBW 50 kHz      Marker 1 [T1 ]
                                           *VBW 200 kHz              -20.99 dBm
        Ref  35 dBm          Att  50 dB    *SWT 1 s          823.990384615 MHz

             Offset   12.8 dB
         30

                                                                              A

  1 RM    20
  MAXH                                                                        LVL

         10

          0

        -10
          D1 -13 dBm

        -20                                                                   3DB
                            1

        -30

        -40

        -50

        -60

        Center  824 MHz           200 kHz/                    Span  2 MHz
```
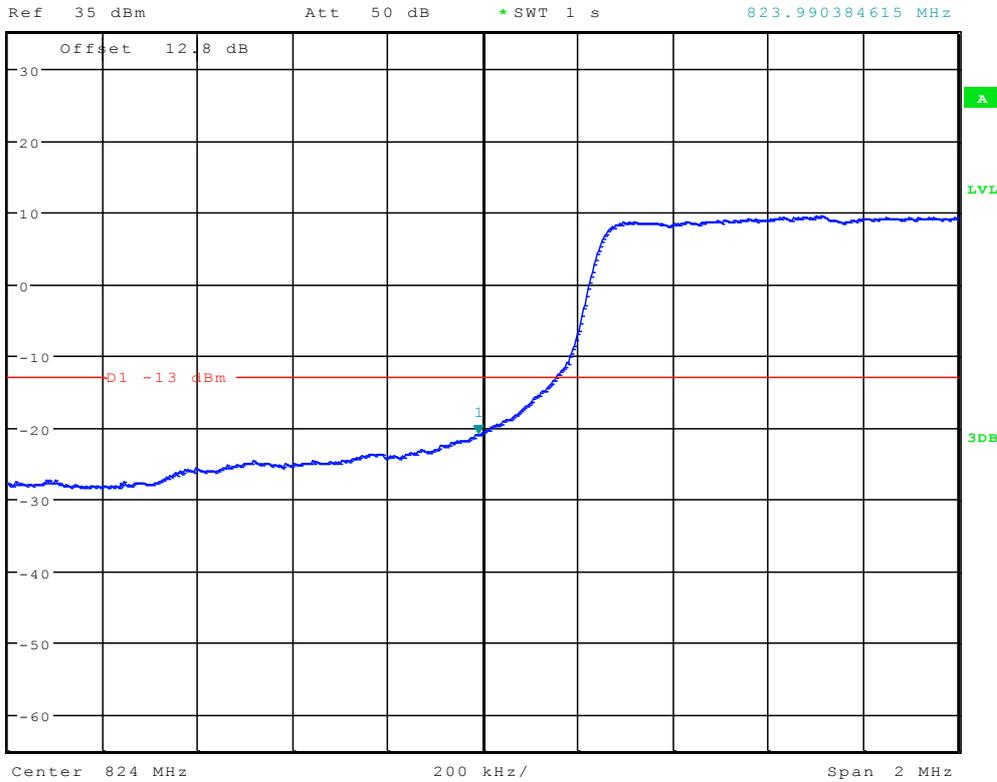
Date: 18.APR.2012 11:51:00

3.1.2.1.3 QPSK/full RBs

```
                                    * RBW  50 kHz      Marker 1 [T1 ]
                                    * VBW  200 kHz            -27.38 dBm
      Ref   35 dBm        Att  50 dB  * SWT  1 s       823.990384615 MHz

         Offset  12.8 dB
```



```
      Center  824 MHz              200 kHz/              Span  2 MHz
```
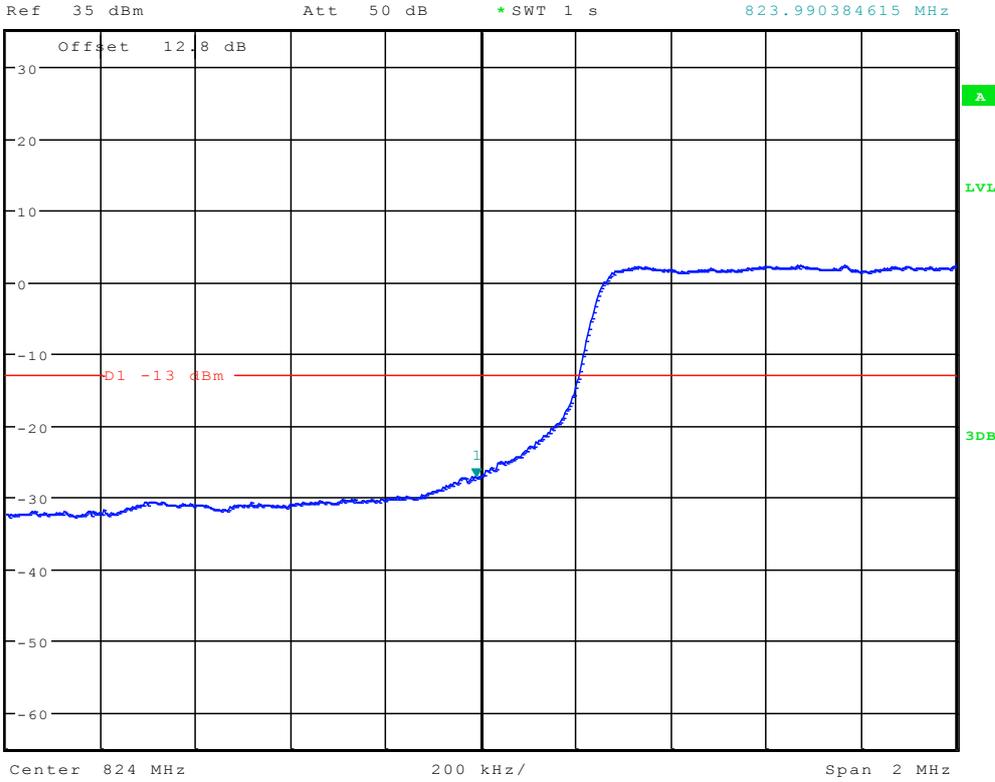
Date: 18.APR.2012 11:52:14

### 3.1.2.2 Channel= T

3.1.2.2.1 QPSK/1RB #max


```
                                    * RBW  50 kHz      Marker 1 [T1 ]
                                    * VBW 200 kHz               -20.99 dBm
    Ref  35 dBm          Att  50 dB * SWT  1 s         849.012820513 MHz
```
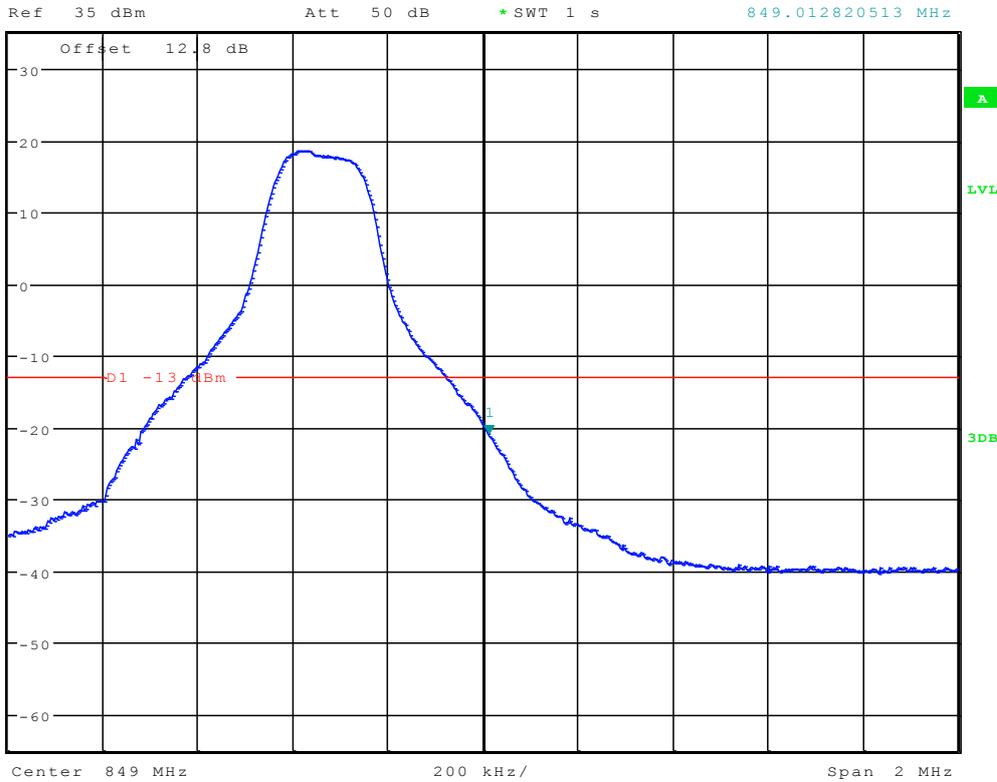
Date: 18.APR.2012 11:57:53

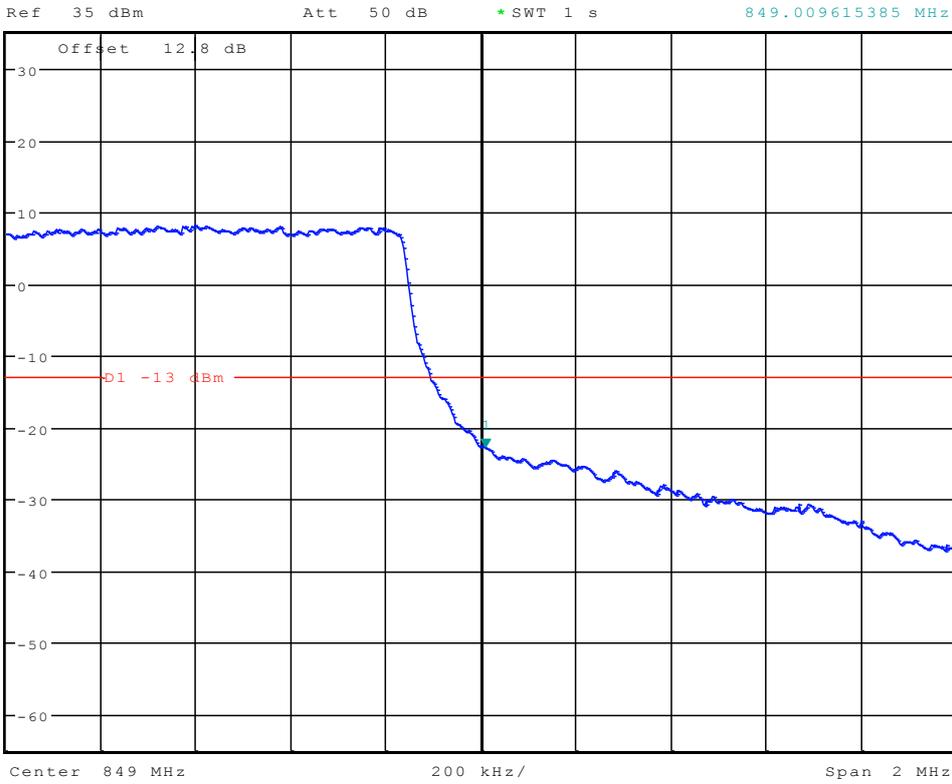## 3.1.2.2.2 QPSK/Partial RBs /RB #max


```
                                              * RBW  50 kHz      Marker 1 [T1 ]
                                              * VBW 200 kHz              -20.78 dBm
      Ref   35 dBm              Att  50 dB    * SWT  1 s          849.012820513 MHz
```
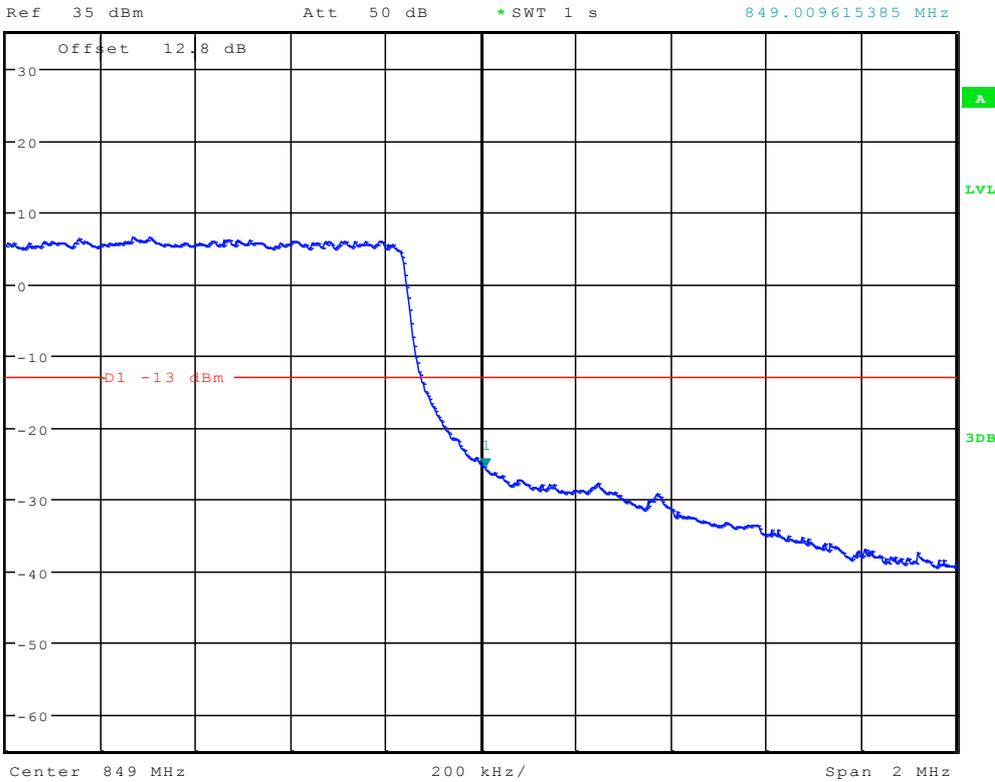
Date: 18.APR.2012 11:58:23

3.1.2.2.3 QPSK/full RBs


```
* RBW 50 kHz        Marker 1 [T1 ]
* VBW 200 kHz                -25.92 dBm
Ref  35 dBm        Att  50 dB    * SWT 1 s         849.012820513 MHz
```

Date: 18.APR.2012 11:56:50

3.1.3 Channel Bandwidth = Highest (10 MHz)

3.1.3.1 Channel= B

3.1.3.1.1 QPSK/1RB #0

Date: 18.APR.2012 11:47:50

Report No:
SYBH(Z-RF)014042012-2001

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Page28, Total51
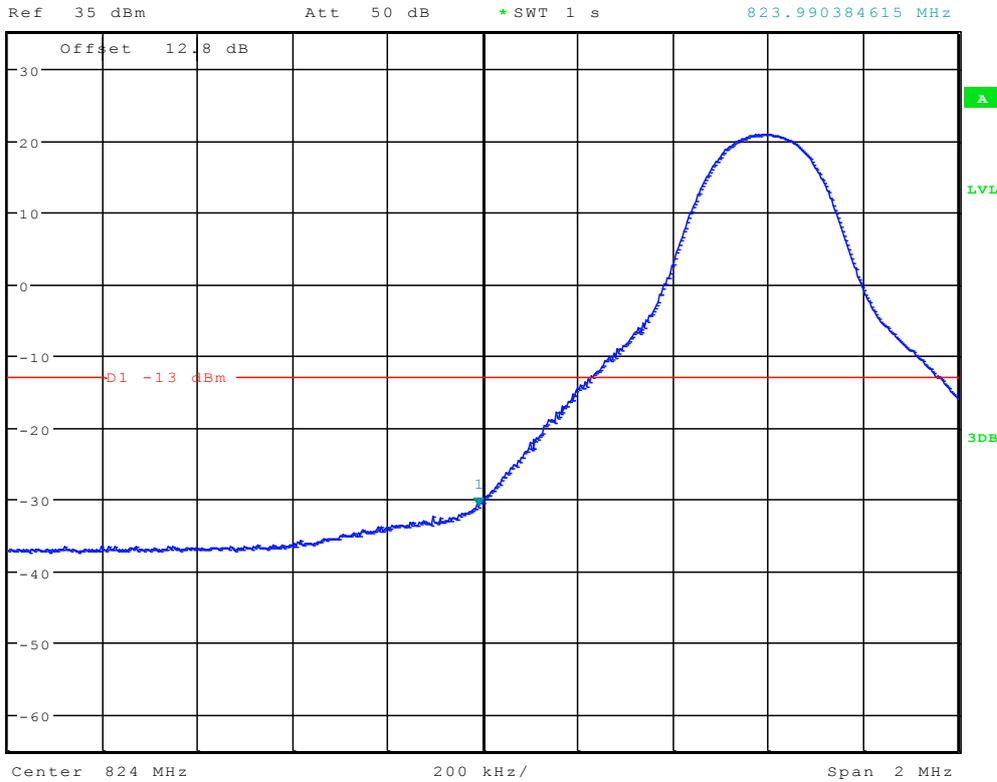
3.1.3.1.2 QPSK/Partial RBs /RB #0

```
                                    * RBW 100 kHz      Marker 1 [T1 ]
                                    * VBW 300 kHz              -23.37 dBm
       Ref  35 dBm      Att  50 dB  * SWT 1 s          823.990384615 MHz

          Offset   12.8 dB
        -30                                                                    A
 1 RM   -20                                                                    LVL
 MAXH
        -10                                                                    
          0
        -10  D1 -13 dBm                                                        
        -20                                                                    3DB
        -30
        -40
        -50
        -60
      Center  824 MHz        200 kHz/              Span  2 MHz
```

Date: 18.APR.2012 11:47:29

3.1.3.1.3 QPSK/full RBs

Date: 18.APR.2012 11:48:09

### 3.1.3.2 Channel= T

3.1.3.2.1 QPSK/1RB #max

```
                                    * RBW 100 kHz     Marker 1 [T1 ]
                                    * VBW 300 kHz              -31.95 dBm
        Ref  35 dBm        Att  50 dB   * SWT 1 s       849.012820513 MHz

            Offset  12.8 dB
         -30                                                              A

                                                                        LVL
   1 RM  -20
   MAXH
         -10

          0

         -10
              D1 -13 dBm
                                                                        3DB
         -20

                                   1
         -30

         -40

         -50

         -60

        Center  849 MHz        200 kHz/              Span  2 MHz
```

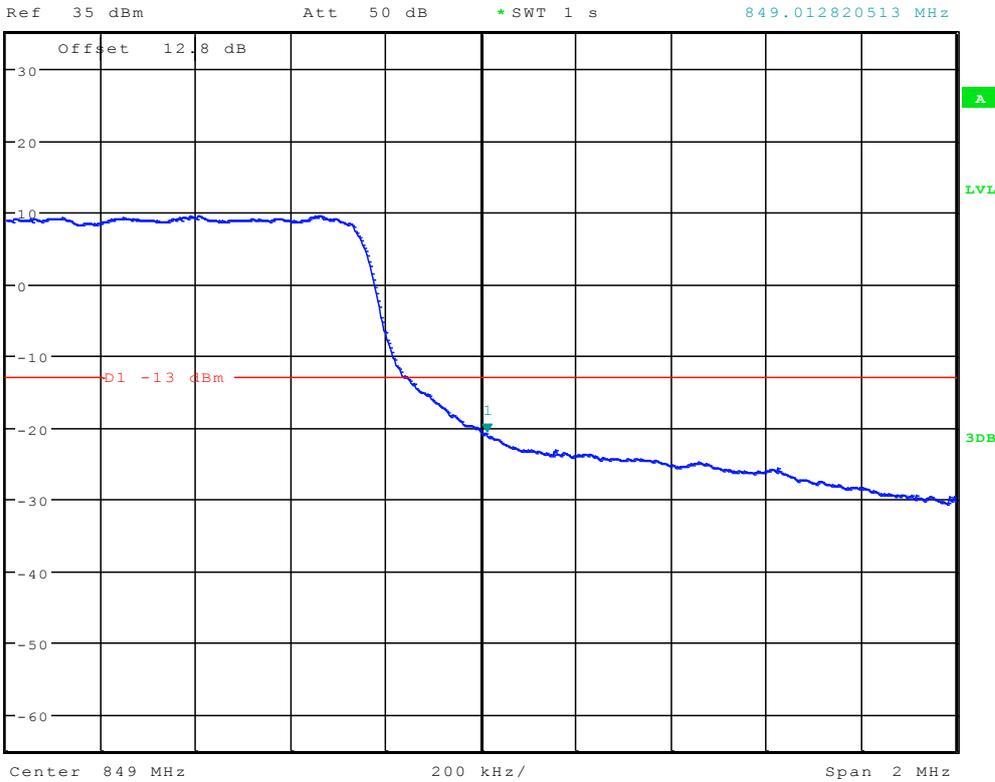Date: 18.APR.2012 11:42:04

3.1.3.2.2 QPSK/Partial RBs /RB #max

```
                                      * RBW  100 kHz      Marker 1 [T1 ]
                                      * VBW  300 kHz                  -22.46 dBm
        Ref   35 dBm        Att   50 dB   * SWT  1 s         849.009615385 MHz

            Offset   12.8 dB
          -30                                                                         A
          -20
  1 RM *
  MAXH                                                                               LVL
          -10
           0

          -10
          D1 -13 dBm

          -20                                                                        3DB

          -30

          -40

          -50

          -60

        Center  849 MHz              200 kHz/                    Span  2 MHz
```
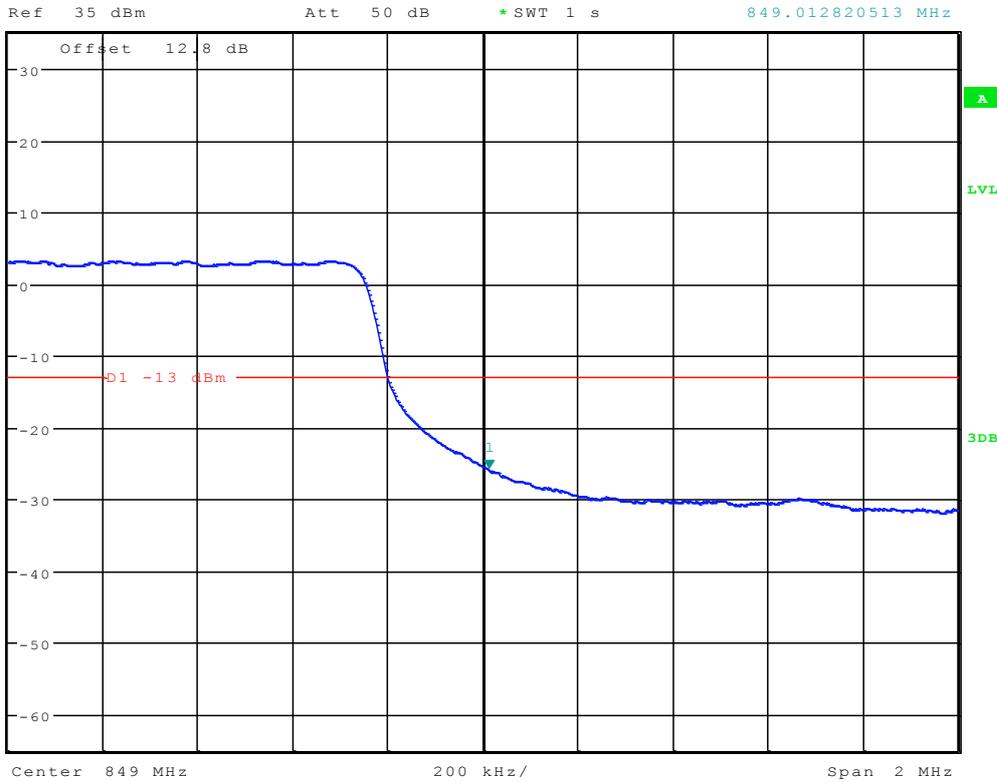
Date: 18.APR.2012 11:40:37

3.1.3.2.3 QPSK/full RBs

```
                                    * RBW  100 kHz    Marker 1 [T1 ]
                                    * VBW  300 kHz              -28.91 dBm
        Ref   35 dBm        Att  50 dB    * SWT  1 s         849.012820513 MHz

           Offset   12.8 dB
          -30                                                              A
          -20                                                             LVL
      1 RM *
      MAXH -10

            0

          -10
           D1 -13 dBm
          -20                                                             3DB

          -30                              1

          -40

          -50

          -60

        Center  849 MHz        200 kHz/                    Span  2 MHz
```
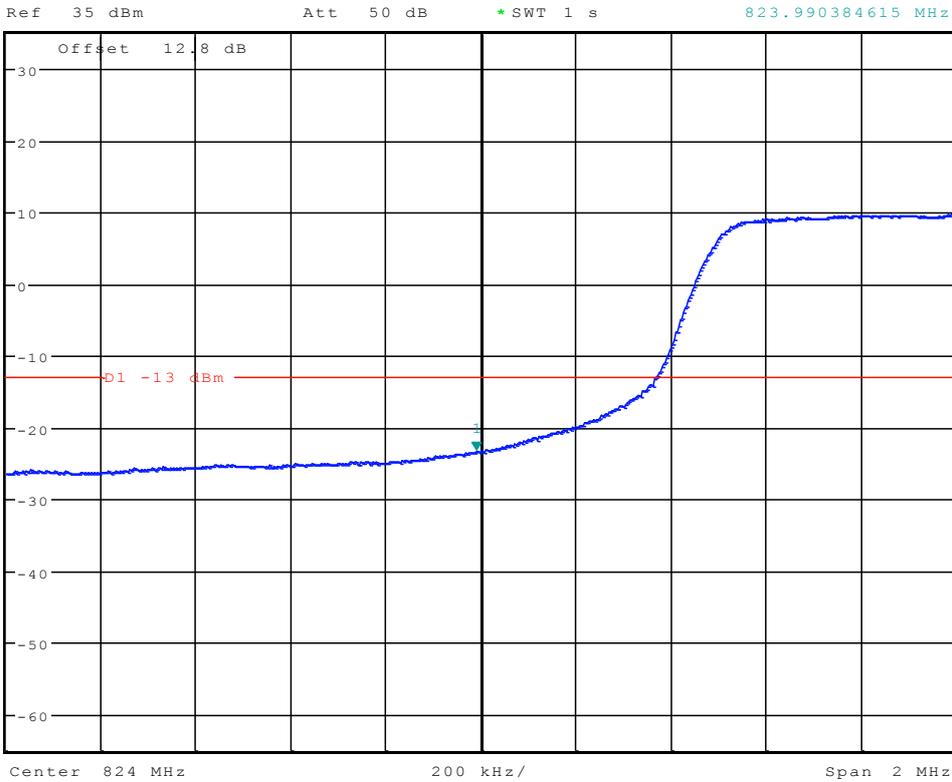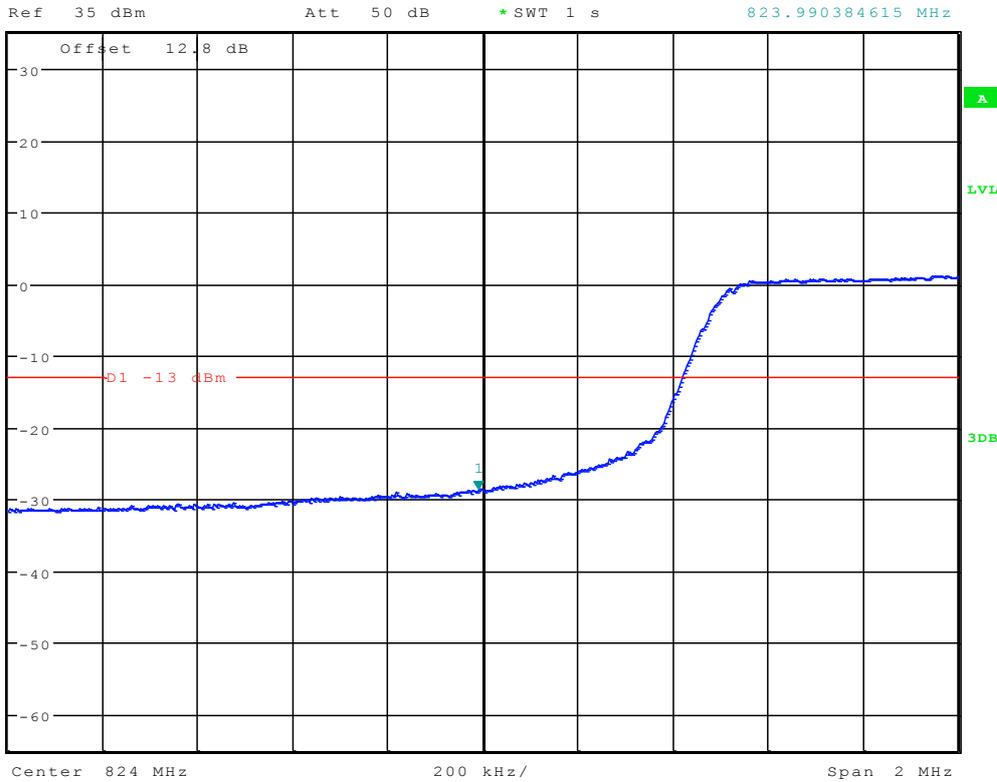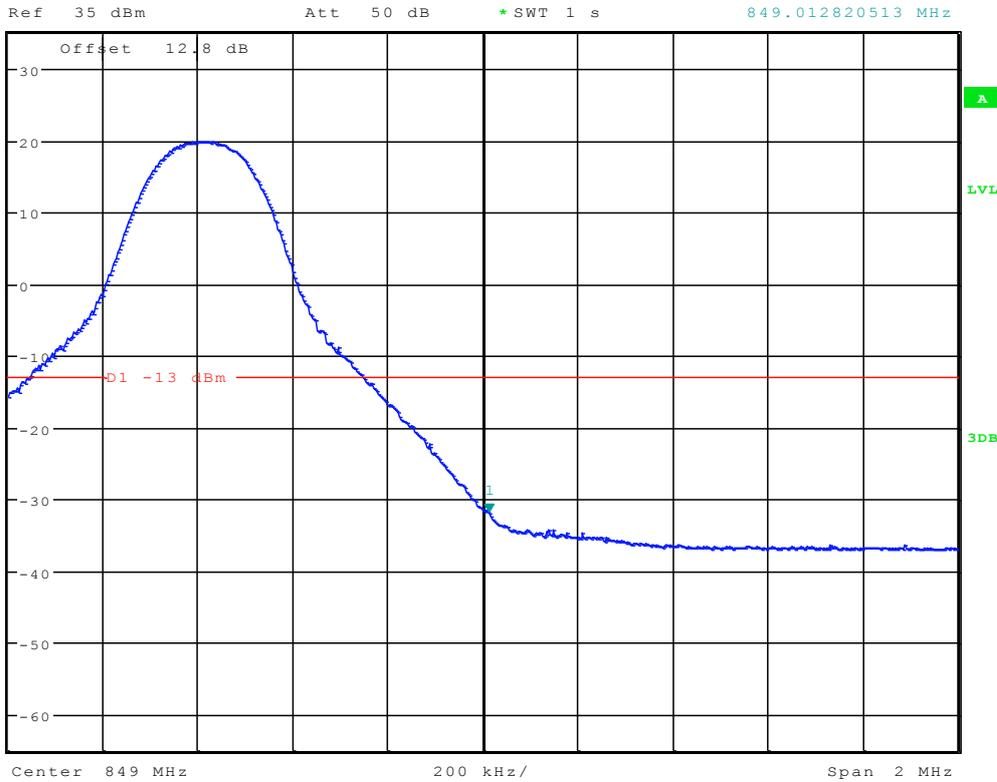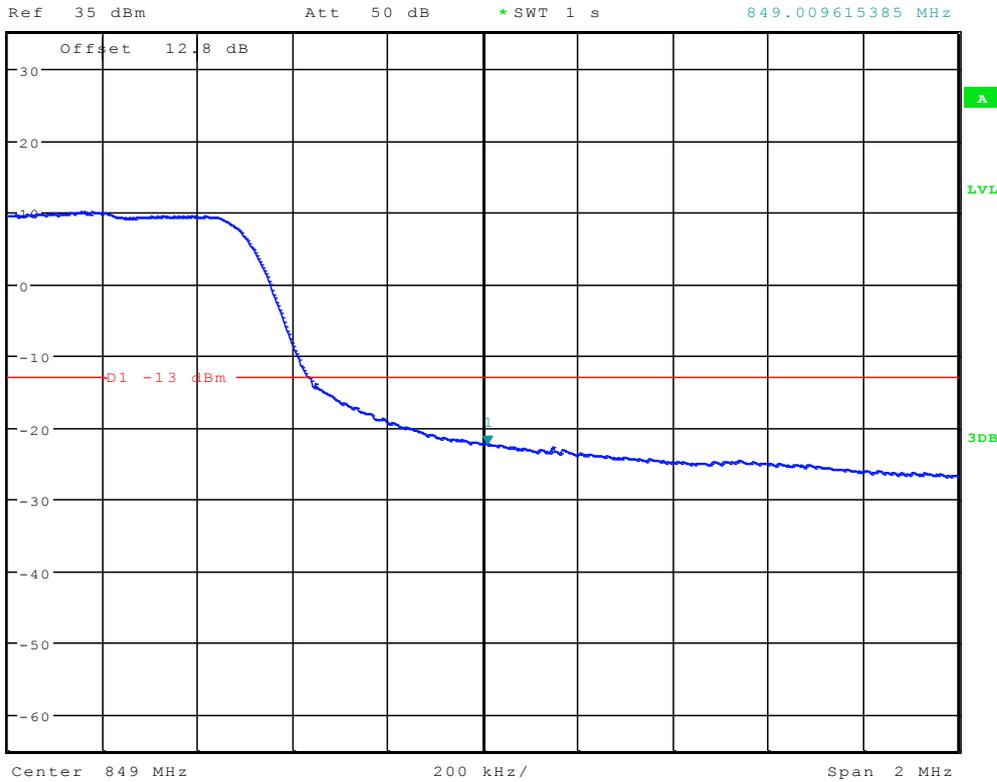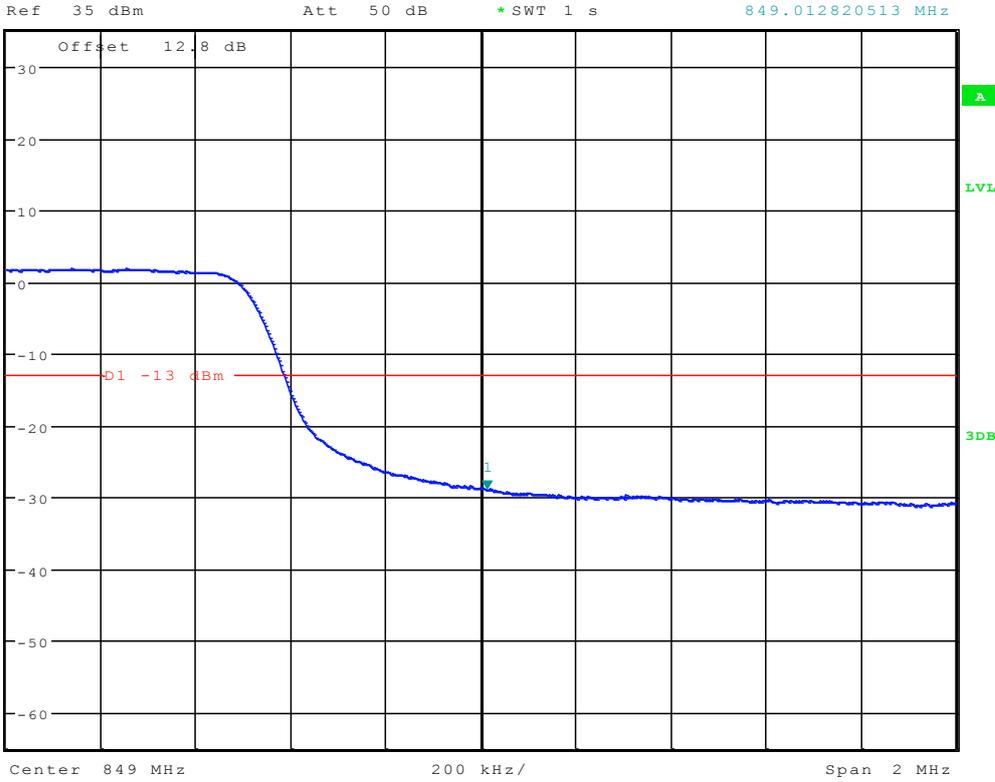
Date: 18.APR.2012 11:40:10

3.2 Test Mode=TM5

3.2.1 Channel Bandwidth = Lowest (1.4 MHz)

3.2.1.1 Channel= B

3.2.1.1.1 16QAM/1RB #0
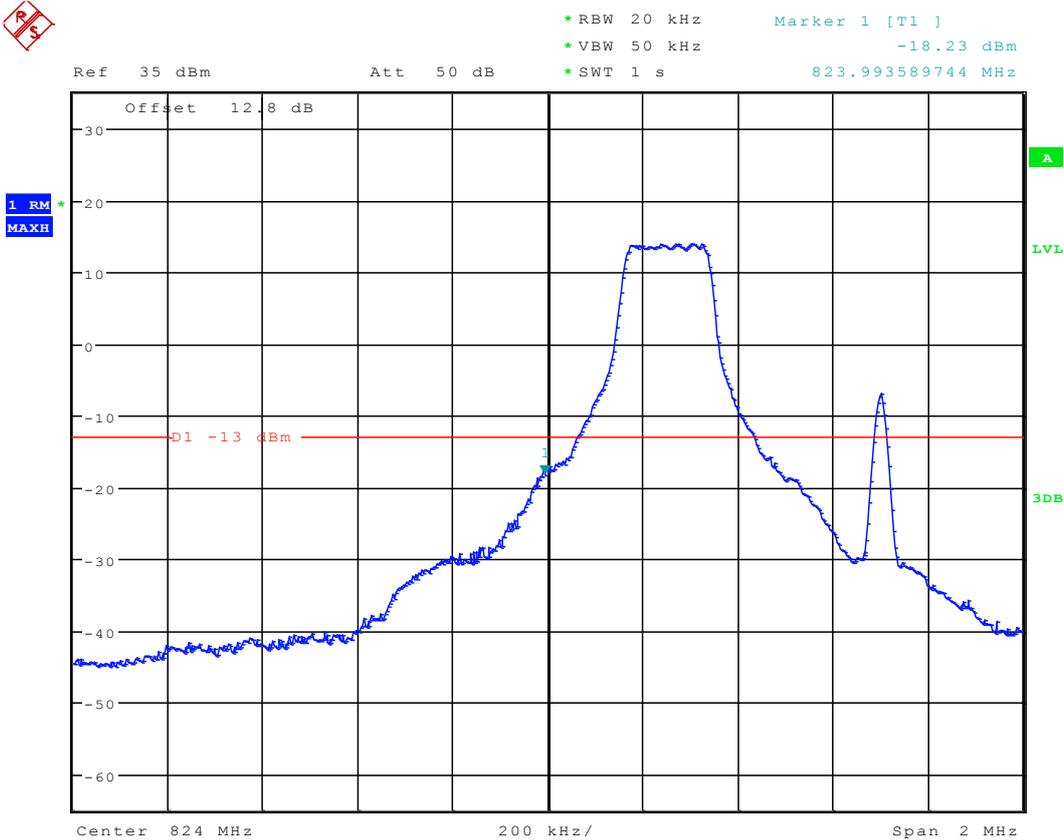
Date: 18.APR.2012 12:09:40

3.2.1.1.2 16QAM /Partial RBs /RB #0


```
                                      * RBW  20 kHz      Marker 1 [T1 ]
                                      * VBW  50 kHz              -21.91 dBm
      Ref   35 dBm        Att  50 dB  * SWT  1 s         823.993589744 MHz
```

Date: 18.APR.2012 12:10:13

3.2.1.1.3 16QAM /full RBs


```
                                          * RBW  20 kHz      Marker 1 [T1 ]
                                          * VBW  50 kHz              -23.24 dBm
         Ref  35 dBm           Att  50 dB * SWT  1 s         823.990384615 MHz
```

Date: 18.APR.2012 12:08:54

3.2.1.2 Channel= T

3.2.1.2.1 16QAM /1RB #max

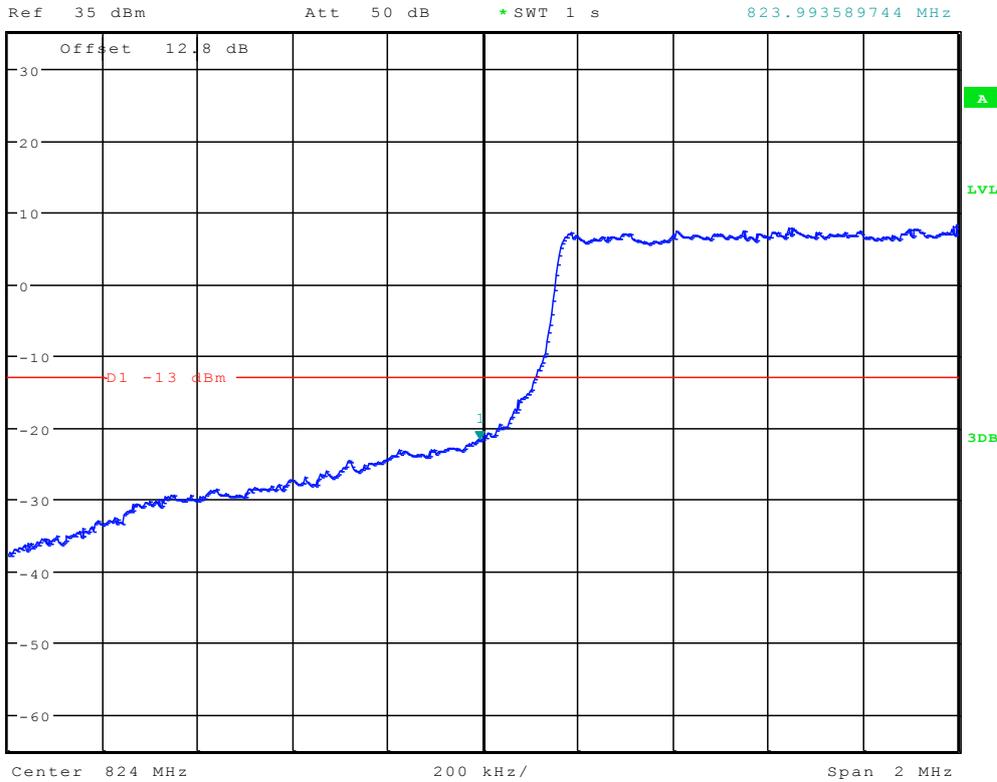
Date: 18.APR.2012 12:03:12

3.2.1.2.2 16QAM /Partial RBs /RB #max

```
                                           * RBW  20 kHz      Marker 1 [T1 ]
                                           * VBW  50 kHz                -24.03 dBm
        Ref   35 dBm           Att  50 dB  * SWT  1 s          849.012820513 MHz

             Offset   12.8 dB
           -30                                                                        A
    1 RM  *
    MAXH   -20                                                                        LVL

           -10


             0


           --10
             D1 -13 dBm

           --20                                                                       3DB


           --30


           --40


           --50


           --60

        Center  849 MHz              200 kHz/                       Span  2 MHz
```
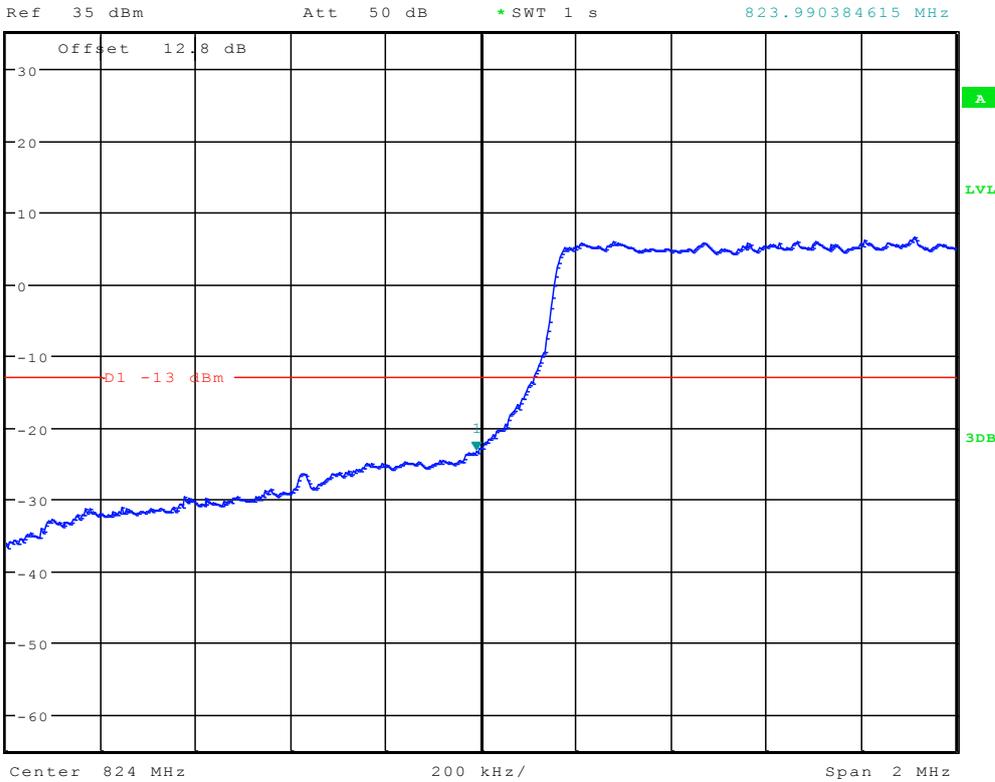
Date: 18.APR.2012 12:03:51

3.2.1.2.3 16QAM /full RBs


```
                                    *RBW 20 kHz      Marker 1 [T1 ]
                                    *VBW 50 kHz                -26.05 dBm
     Ref  35 dBm        Att  50 dB  *SWT 1 s          849.012820513 MHz
```
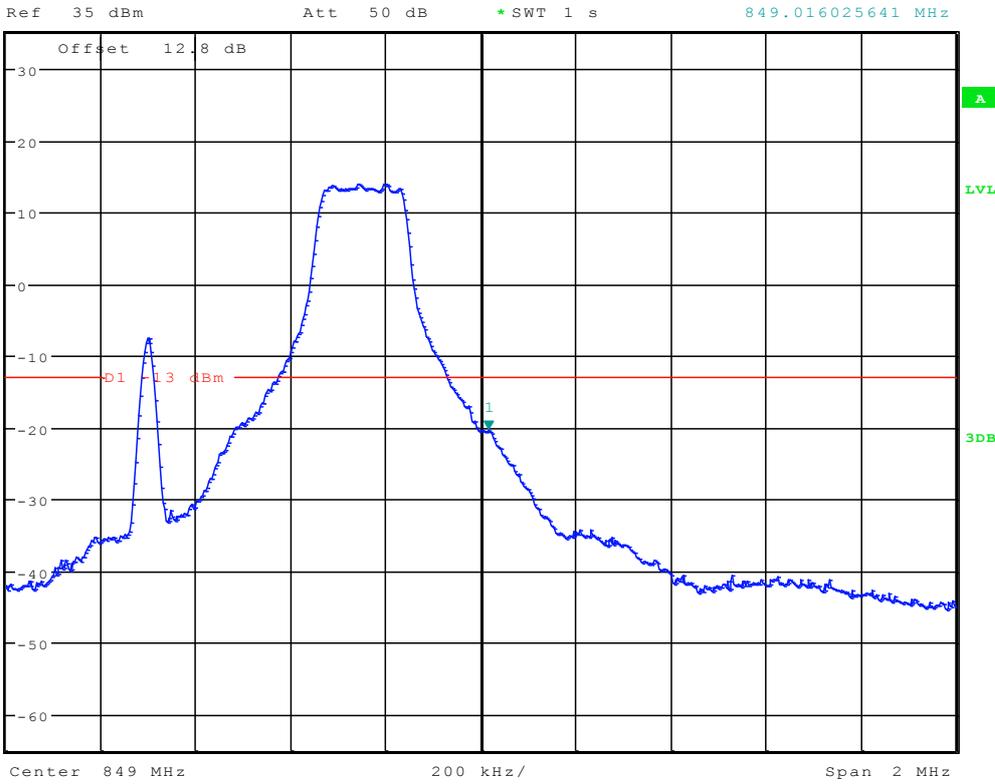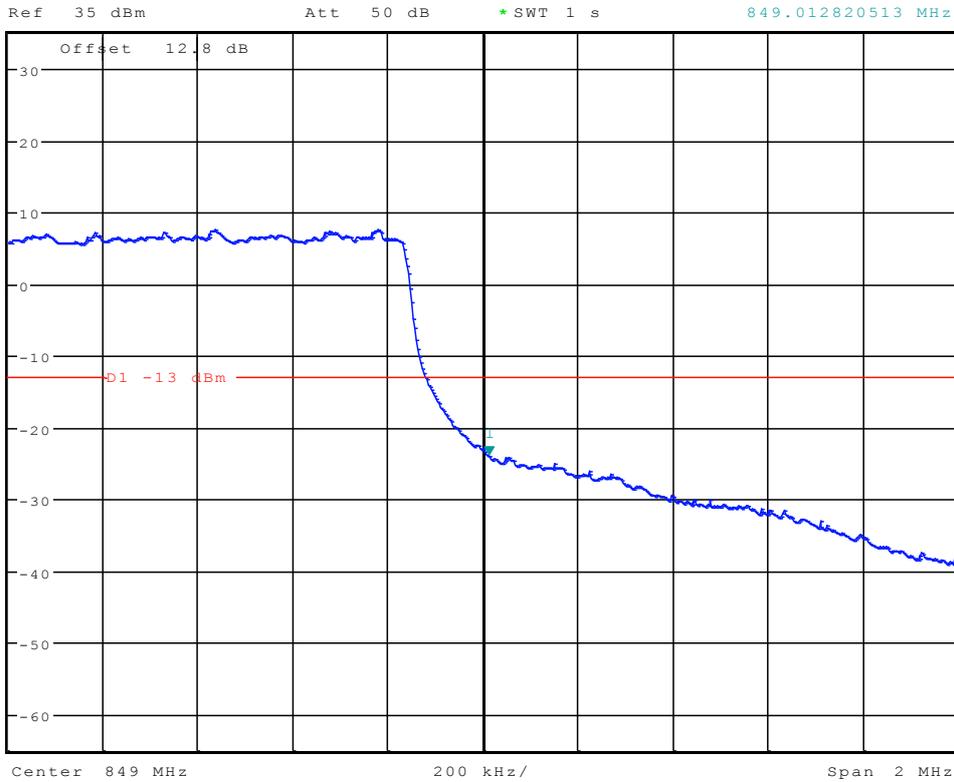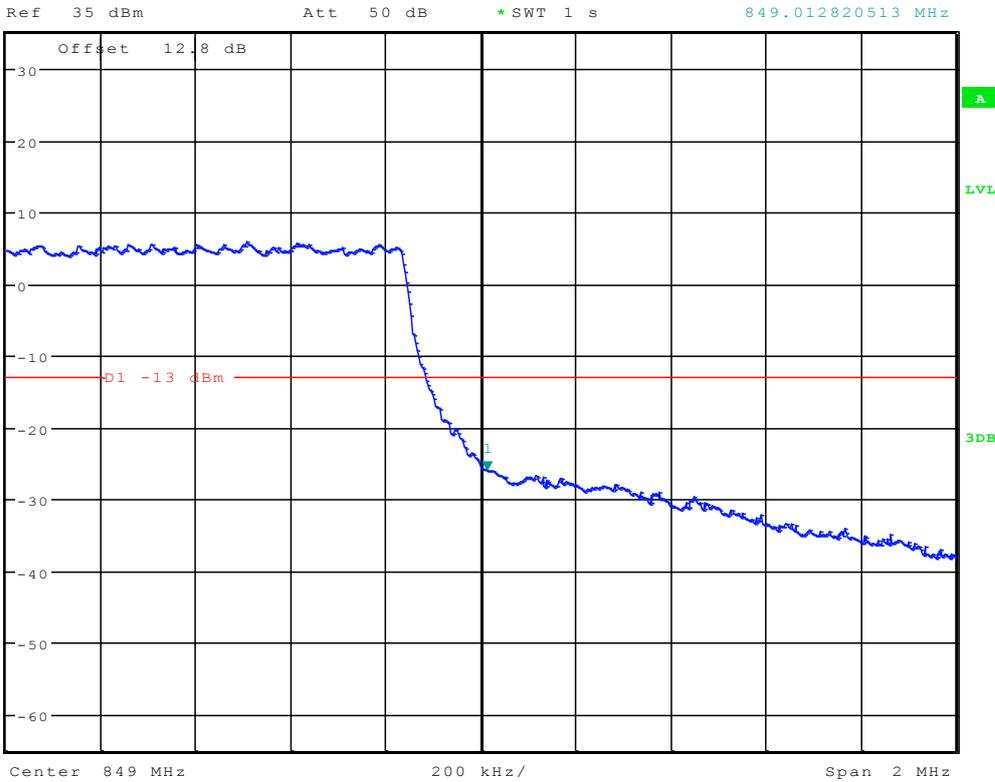
Date: 18.APR.2012 12:02:08

3.2.2 Channel Bandwidth =5 MHz

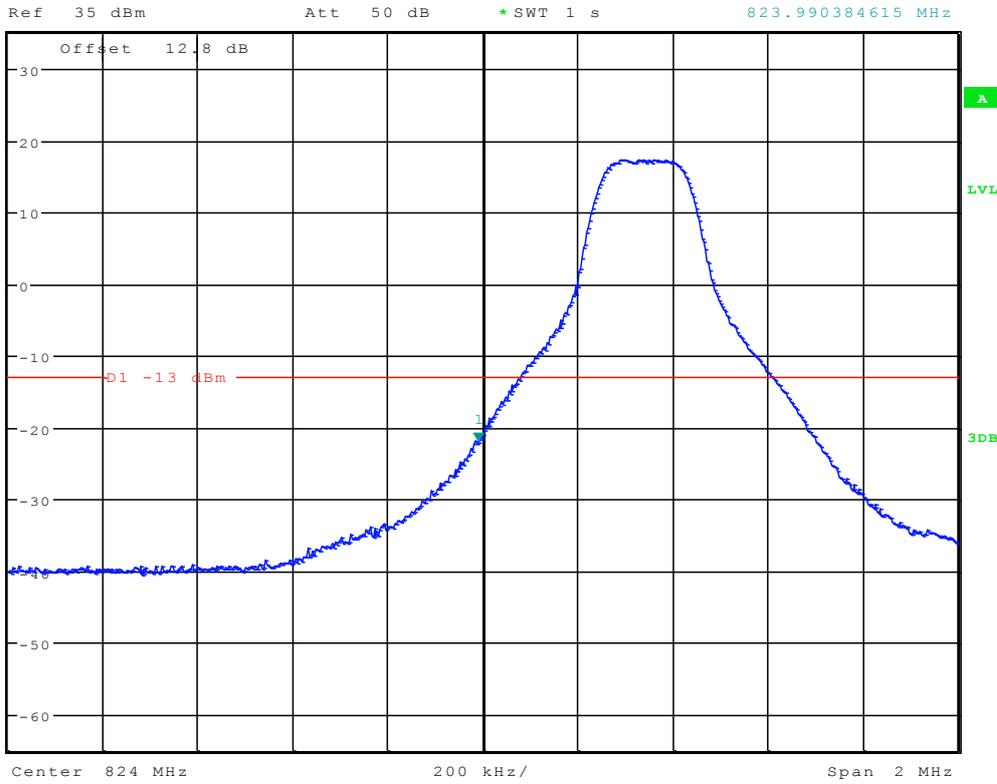## 3.2.2.1 Channel= B

3.2.2.1.1 16QAM /1RB #0


```
                              * RBW  50 kHz       Marker 1 [T1 ]
                              * VBW  200 kHz                  -22.14 dBm
       Ref   35 dBm      Att   50 dB  * SWT  1 s         823.990384615 MHz
```
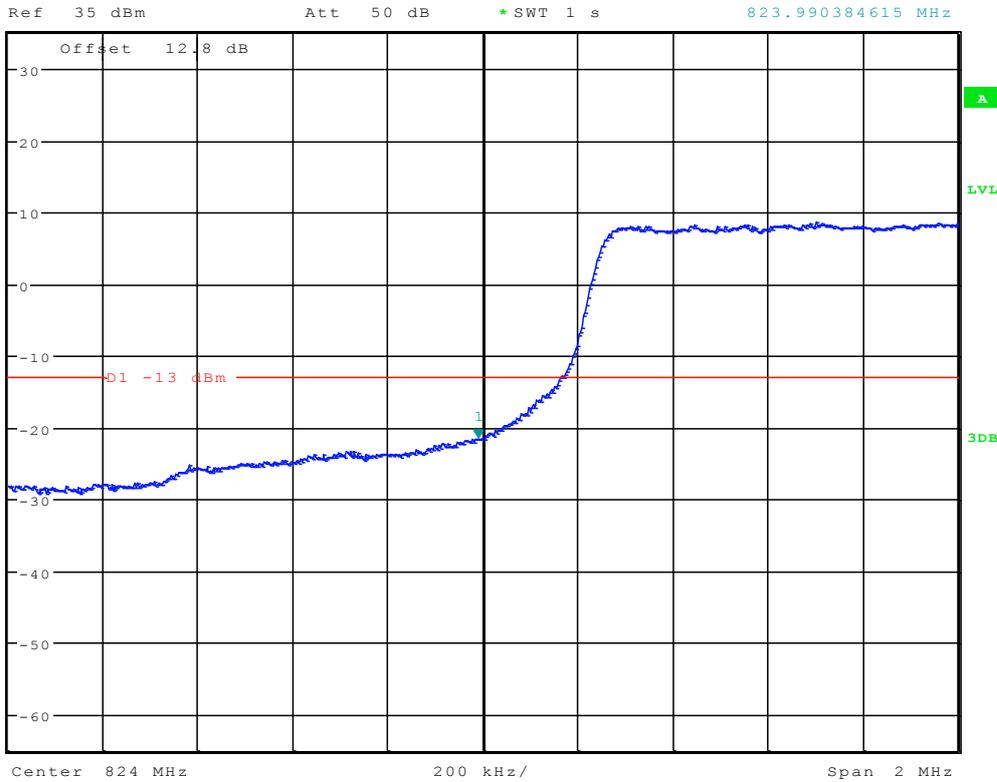
Date: 18.APR.2012 11:50:09

3.2.2.1.2 16QAM /Partial RBs /RB #0


```
                                        * RBW  50 kHz      Marker 1 [T1 ]
                                        * VBW  200 kHz              -21.58 dBm
        Ref   35 dBm        Att   50 dB * SWT  1 s          823.990384615 MHz

              Offset    12.8 dB                                              A

         30

  1 RM   20                                                                LVL
  MAXH
         10

          0

        -10  D1 -13 dBm                                                    3DB
           1
        -20

        -30

        -40

        -50

        -60

        Center  824 MHz           200 kHz/              Span  2 MHz
```
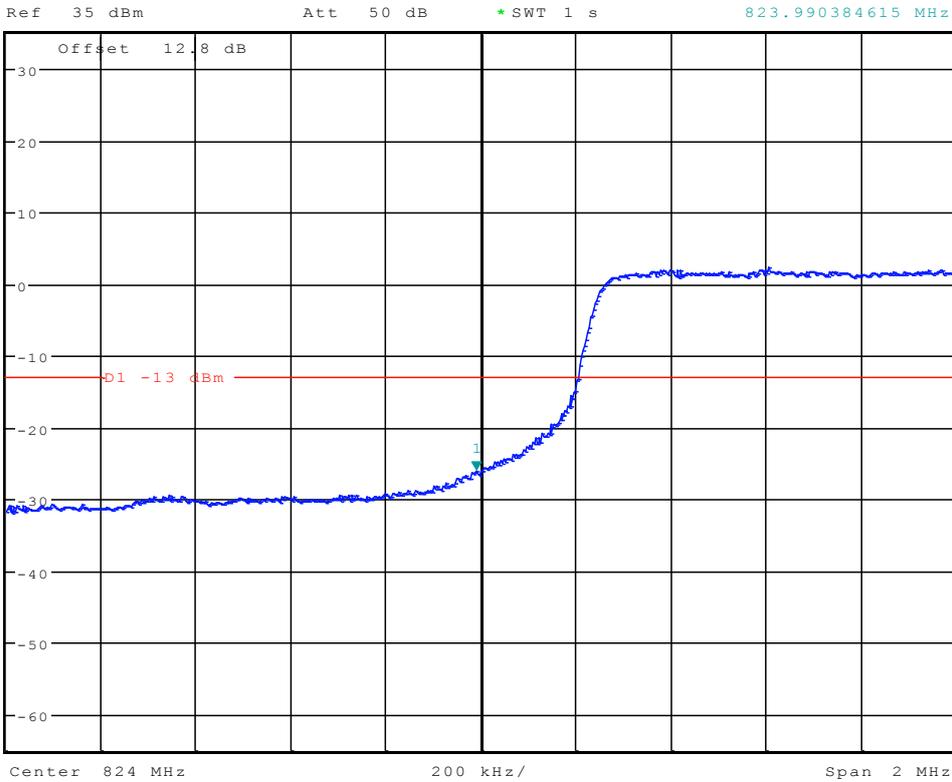
Date: 18.APR.2012 11:50:28

3.2.2.1.3 16QAM /full RBs

```
                                    * RBW  50 kHz      Marker 1 [T1 ]
                                    * VBW  200 kHz              -25.99 dBm
        Ref   35 dBm        Att  50 dB   * SWT  1 s          823.990384615 MHz
```



```
Center  824 MHz              200 kHz/                      Span  2 MHz
```

Date: 18.APR.2012 11:49:38

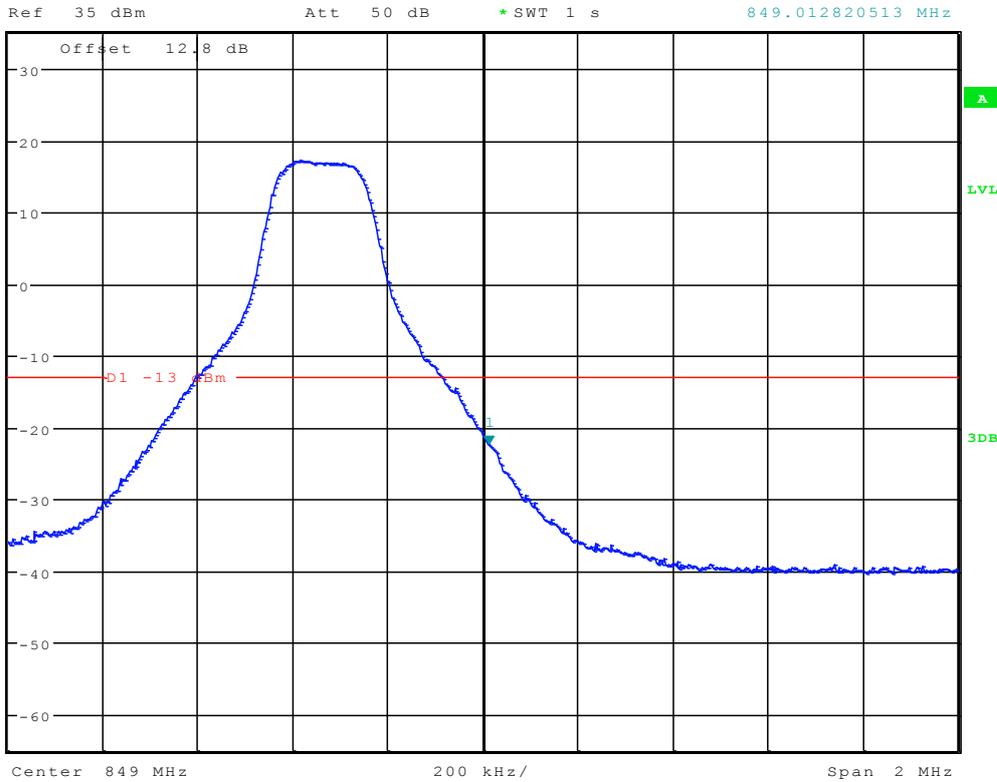## 3.2.2.2 Channel= T

3.2.2.2.1 16QAM /1RB #max


```
                                          * RBW  50 kHz      Marker 1 [T1 ]
                                          * VBW  200 kHz              -22.51 dBm
         Ref   35 dBm        Att  50 dB   * SWT  1 s         849.012820513 MHz
```
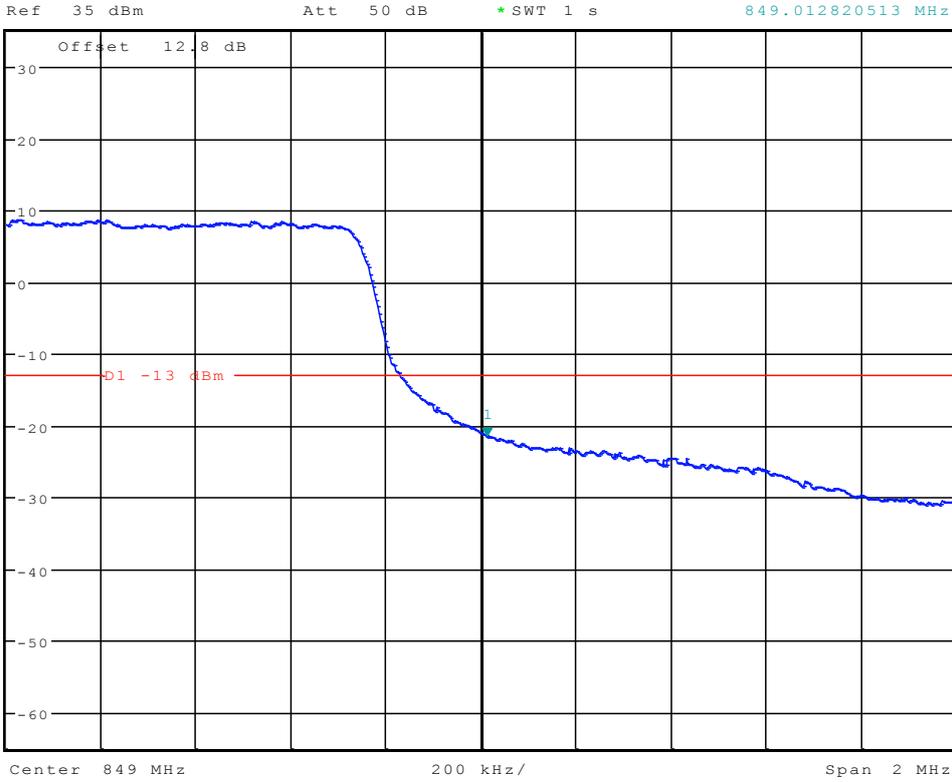
Date: 18.APR.2012 12:00:23

3.2.2.2.2 16QAM /Partial RBs /RB #max

```
                                        * RBW  50 kHz        Marker 1 [T1 ]
                                        * VBW  200 kHz              -21.55 dBm
        Ref   35 dBm          Att  50 dB  * SWT  1 s         849.012820513 MHz
```



```
Center  849 MHz              200 kHz/                  Span  2 MHz
```

Date: 18.APR.2012 11:59:03

3.2.2.2.3 16QAM /full RBs
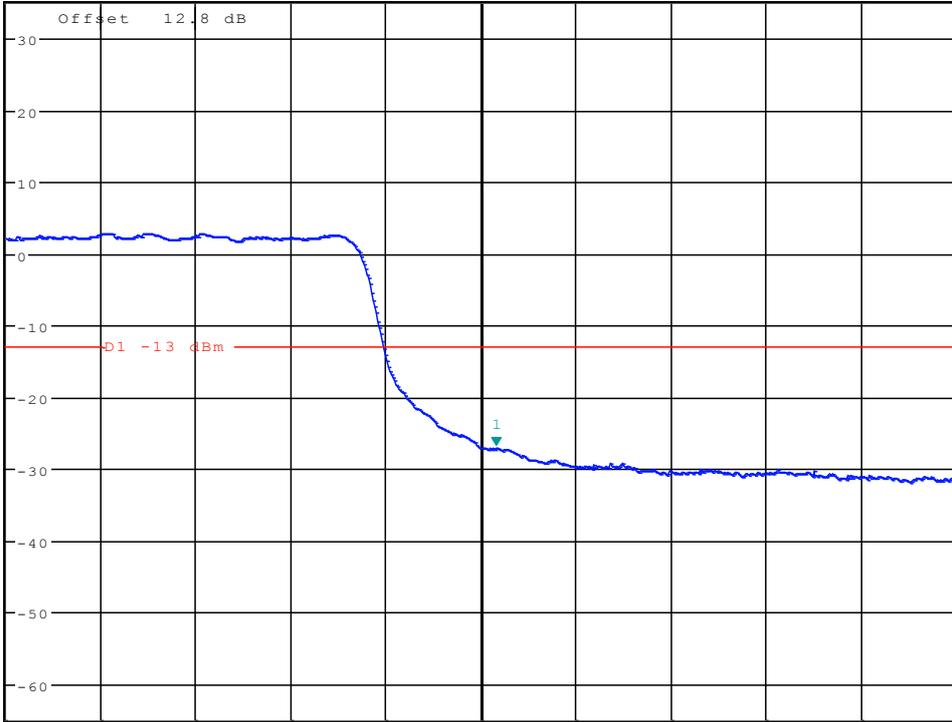
Date: 18.APR.2012 11:59:52

3.2.3 Channel Bandwidth = Highest (10 MHz)

3.2.3.1 Channel= B

3.2.3.1.1 16QAM /1RB #0


```
                                      *RBW  100 kHz    Marker 1 [T1 ]
                                      *VBW  300 kHz            -30.12 dBm
      Ref   35 dBm        Att   50 dB *SWT  1 s        823.993589744 MHz
```
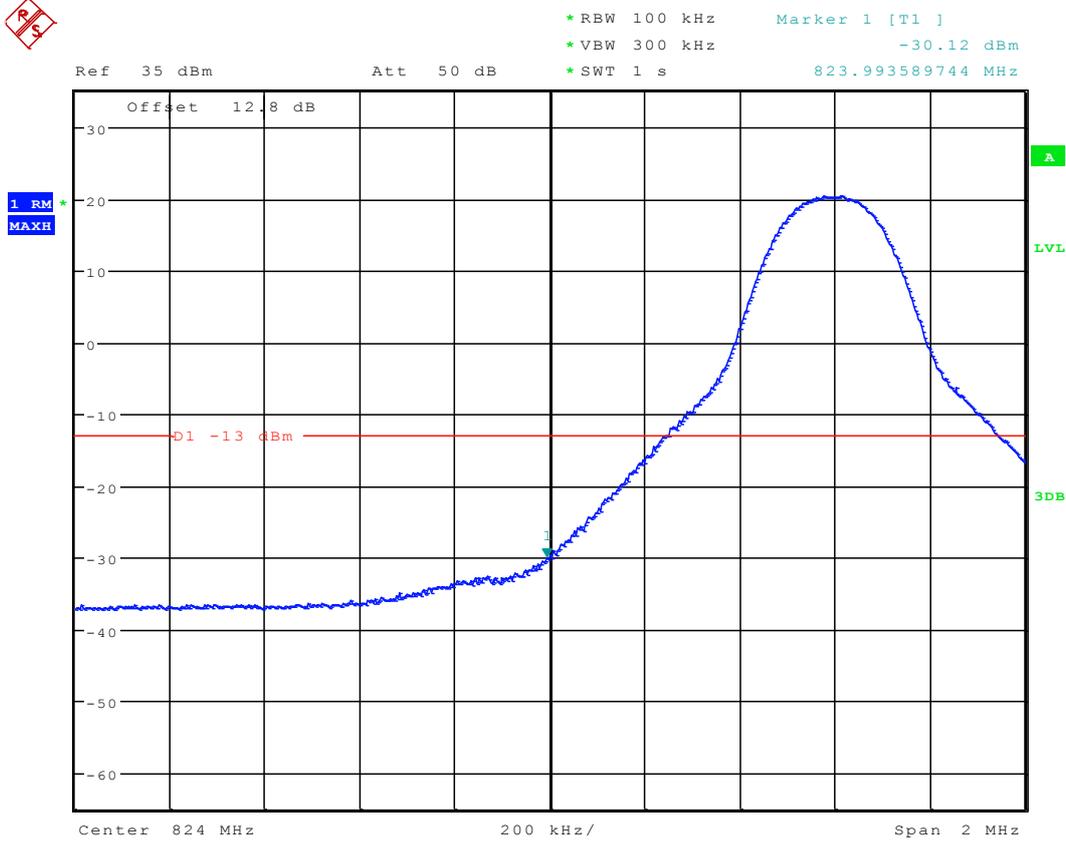
Date: 18.APR.2012 11:46:26

3.2.3.1.2 16QAM /Partial RBs /RB #0


```
                                          * RBW 100 kHz     Marker 1 [T1 ]
                                          * VBW 300 kHz               -22.98 dBm
      Ref  35 dBm              Att  50 dB  * SWT 1 s          823.987179487 MHz

            Offset   12.8 dB
```
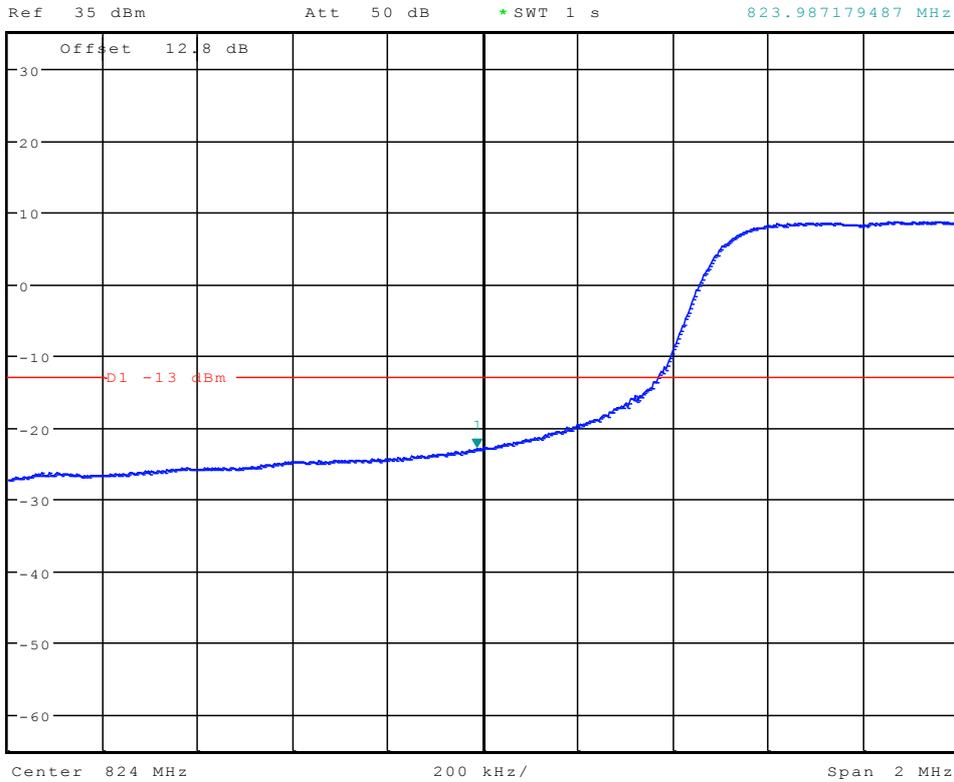
Date: 18.APR.2012 11:46:57

3.2.3.1.3 16QAM /full RBs

RBW 100 kHz · VBW 300 kHz · SWT 1 s

Marker 1 [T1]
-29.05 dBm
823.977564103 MHz

Ref 35 dBm   Att 50 dB

Offset 12.8 dB

1 RM MAXH

D1 -13 dBm

Center 824 MHz   200 kHz/   Span 2 MHz

Date: 23.APR.2012 11:52:06

3.2.3.2 Channel= T

3.2.3.2.1 16QAM /1RB #max


```
* RBW 100 kHz        Marker 1 [T1 ]
* VBW 300 kHz              -31.88 dBm
Ref   35 dBm        Att  50 dB    * SWT 1 s        849.000000000 MHz
```

Offset 12.8 dB

Center 849 MHz   200 kHz/   Span 2 MHz

Date: 18.APR.2012 11:31:41

Report No:
SYBH(Z-RF)014042012-2001

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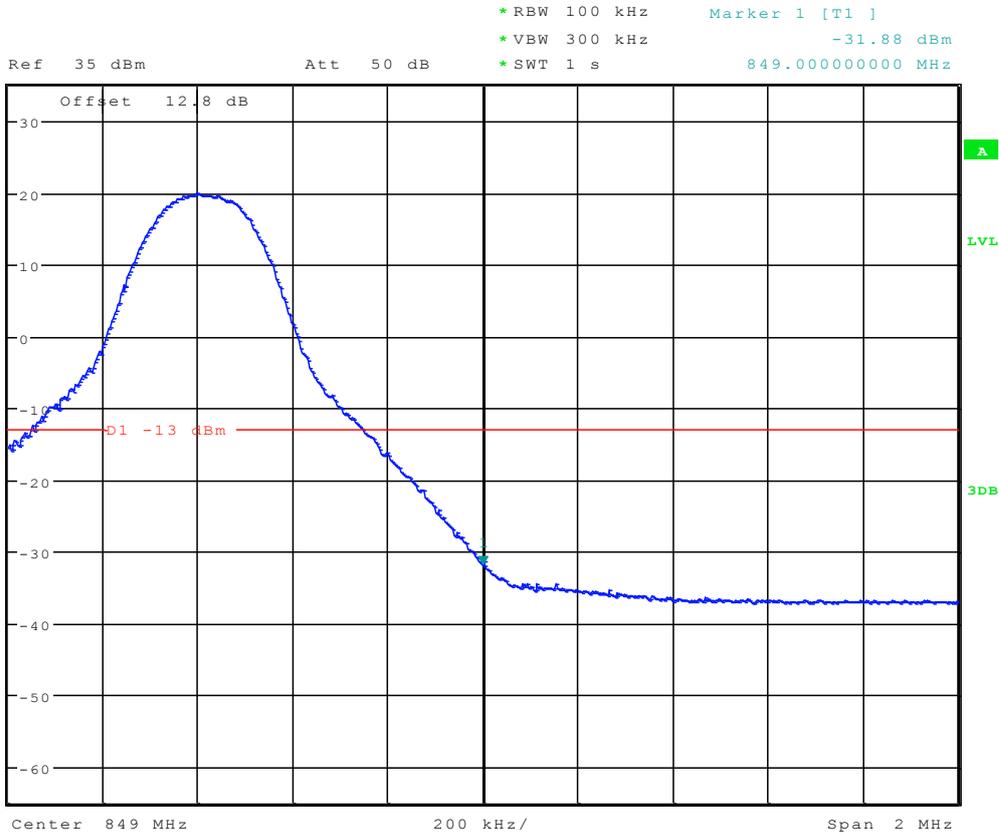
Page49, Total51

3.2.3.2.2 16QAM /Partial RBs /RB #max

```
                                        * RBW  100 kHz      Marker 1 [T1 ]
                                        * VBW  300 kHz             -22.62 dBm
         Ref   35 dBm        Att  50 dB * SWT  1 s          849.012820513 MHz
```
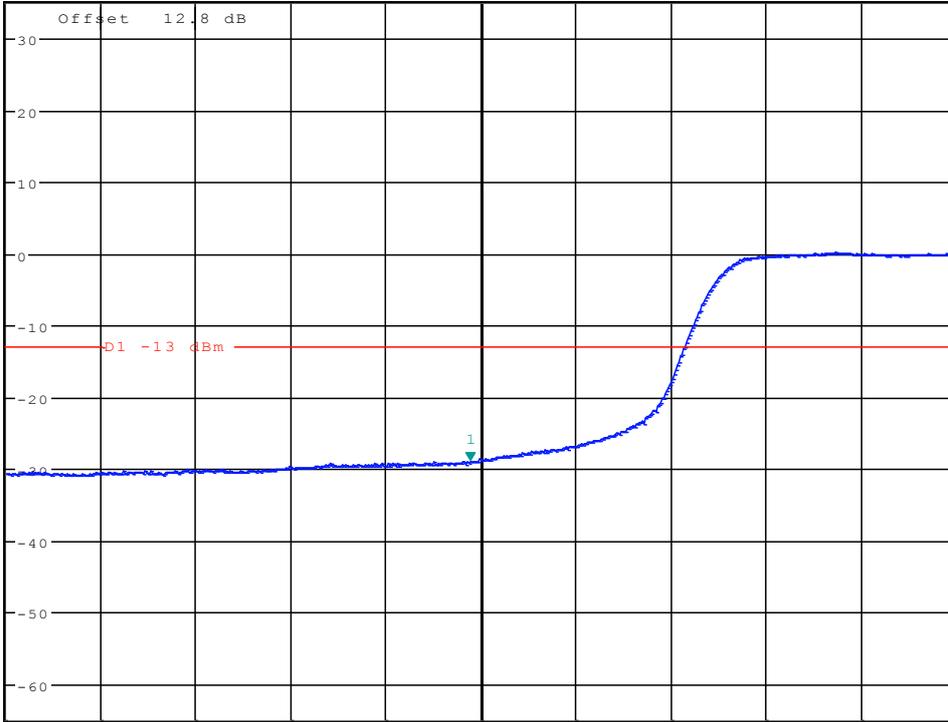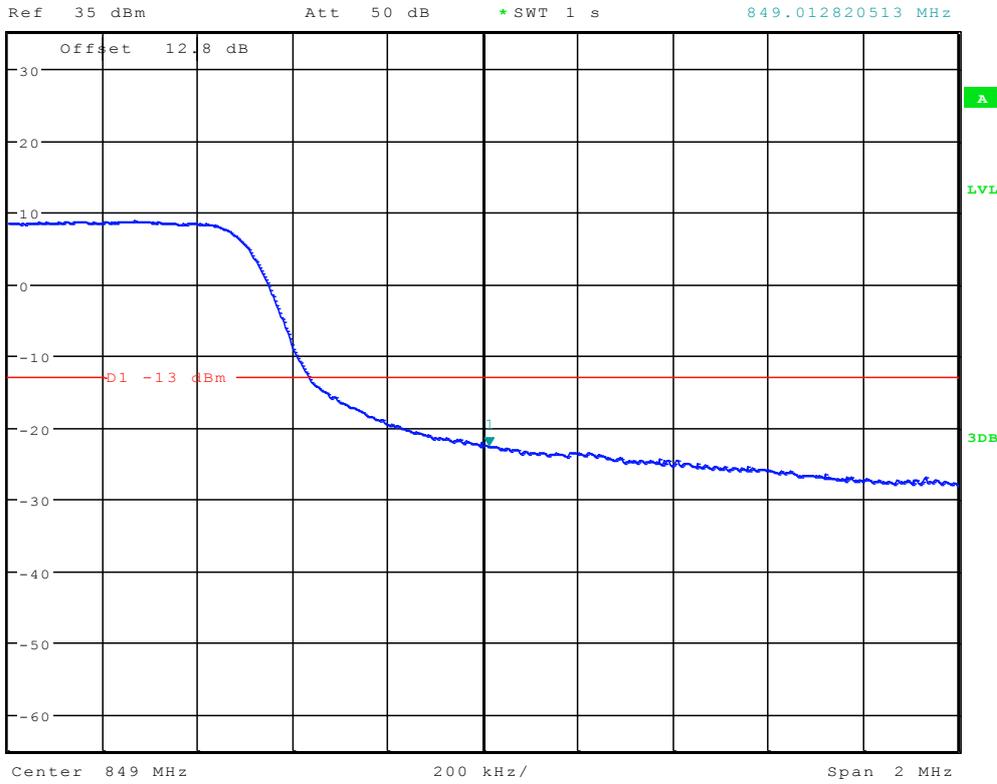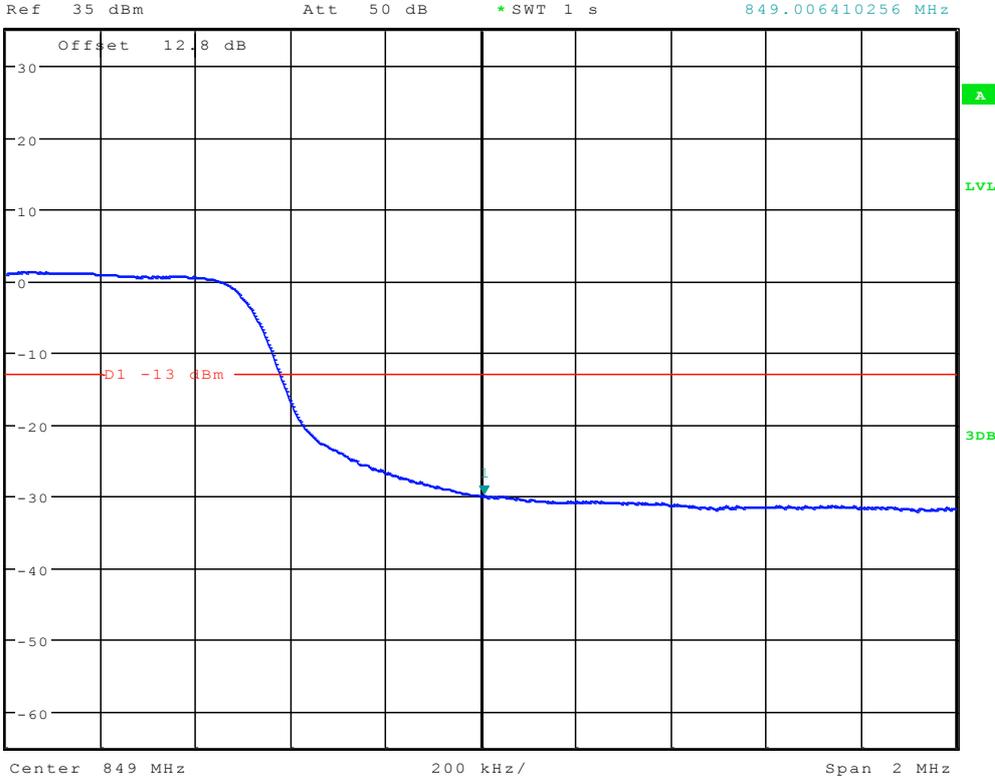


```
Date: 18.APR.2012  11:41:08
```

3.2.3.2.3 16QAM /full RBs

	* RBW 100 kHz Marker 1 [T1]
	* VBW 300 kHz -29.88 dBm
Ref 35 dBm Att 50 dB	* SWT 1 s 849.006410256 MHz

Offset   12.8 dB

```
  30
                                                              A
  20
1 RM
MAXH                                                         LVL
  10

   0

 -10
 D1 -13 dBm
                                                             3DB
 -20

 -30

 -40

 -50

 -60

Center  849 MHz          200 kHz/              Span  2 MHz
```

Date: 18.APR.2012 11:37:32

---END---