Appendix D

Spurious Emission at Antenna Terminal
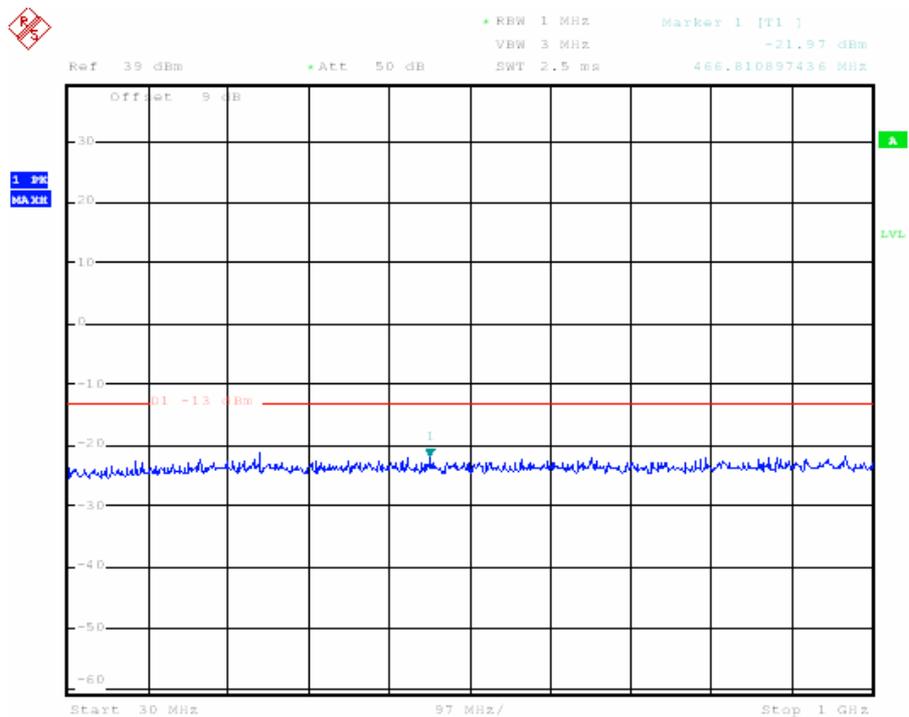## According to FCC Part 2.1051 & 24.238
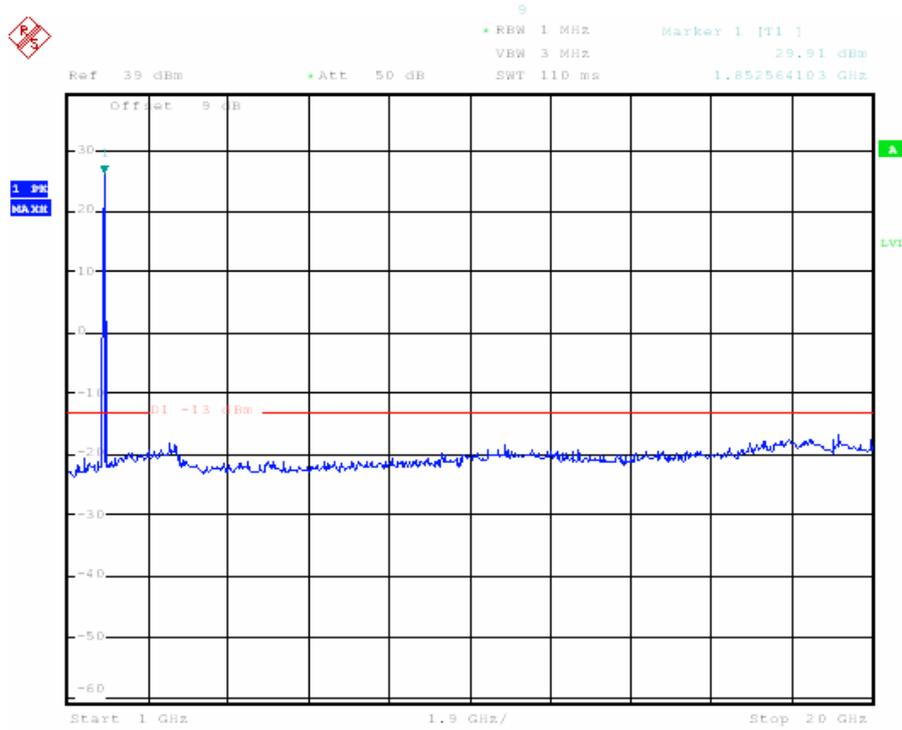
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TM1:GPRS/GSM

Channel 512

[h1]:

```
  * RBW  1 kHz          Marker 1 [T1 ]
    VBW  3 kHz                    -44.78 dBm
Ref  35 dBm     * Att  40 dB    SWT 145 ms      66.168269231 kHz
```



```
Offset  9 dB
 30

 20                                                          B

 10                                                          LVL

  0

-10
    D1 -13 dBm
-20

-30

-40
                       1

                       ▼
-50

-60

Start  9 kHz              14.1 kHz/              Stop  150 kHz
```

```
Date: 11.SEP.2007  23:45:13
```
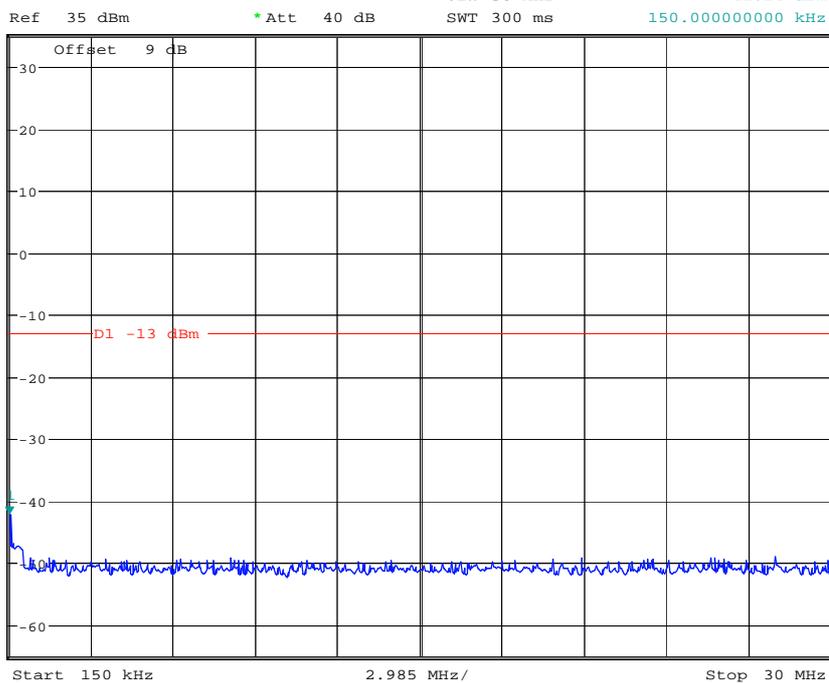
Date: 11.SEP.2007 23:37:53

Date: 11.SEP.2007 22:42:32

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Date: 11.SEP.2007 22:24:52

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Channel 661


```
                                    *RBW  1 kHz        Marker 1 [T1 ]
                                     VBW  3 kHz                  -46.38 dBm
       Ref   35 dBm      *Att  40 dB  SWT 145 ms        66.168269231 kHz
```
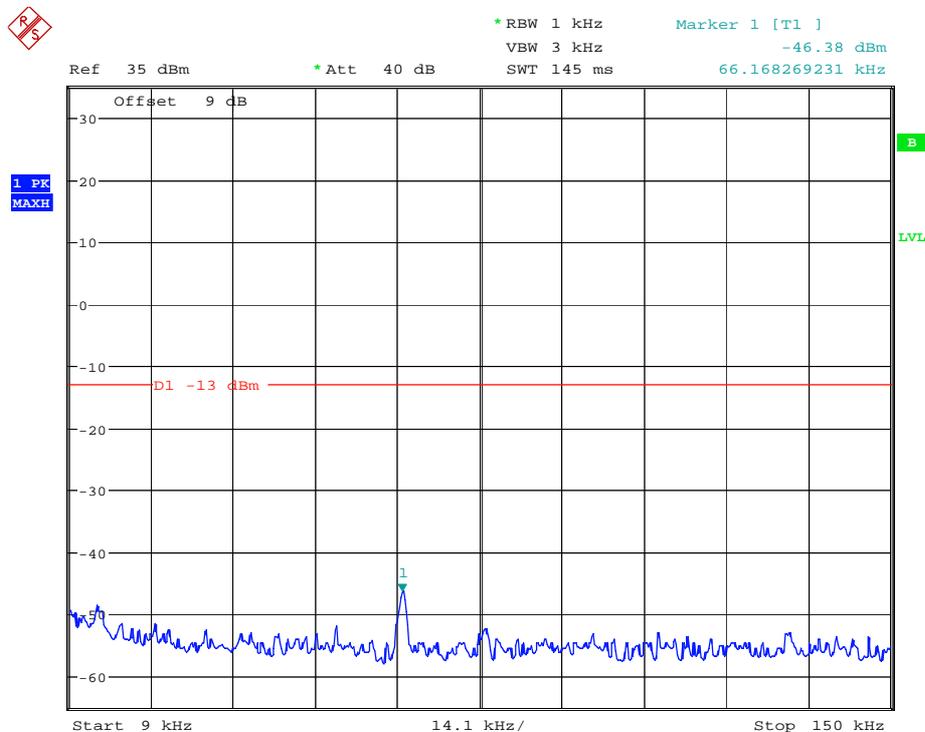
Date: 11.SEP.2007 23:45:57

Date: 11.SEP.2007 22:26:40

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Offset   9 dB

* RBW 1 MHz
VBW 3 MHz
Ref   39 dBm   * Att   50 dB   SWT 2.5 ms

Marker 1 [T1]
                        -22.50 dBm
961.137820513 MHz

1 PK
MAXH

A

LVL

D1 -13 dBm

1

Start 30 MHz   97 MHz/   Stop 1 GHz
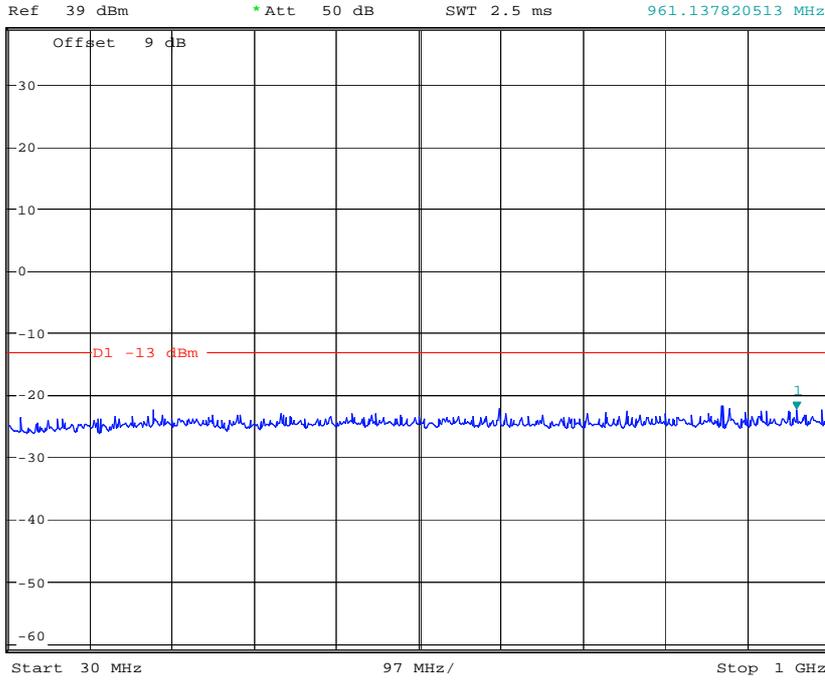
Date: 13.SEP.2007 22:43:44

Date: 13.SEP.2007 22:26:39

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Channel 810


```
                                    * RBW  1 kHz        Marker 1 [T1 ]
                                      VBW  3 kHz                  -45.68 dBm
     Ref   35 dBm        * Att   40 dB   SWT 145 ms     66.168269231 kHz
```

Start 9 kHz   14.1 kHz/   Stop 150 kHz
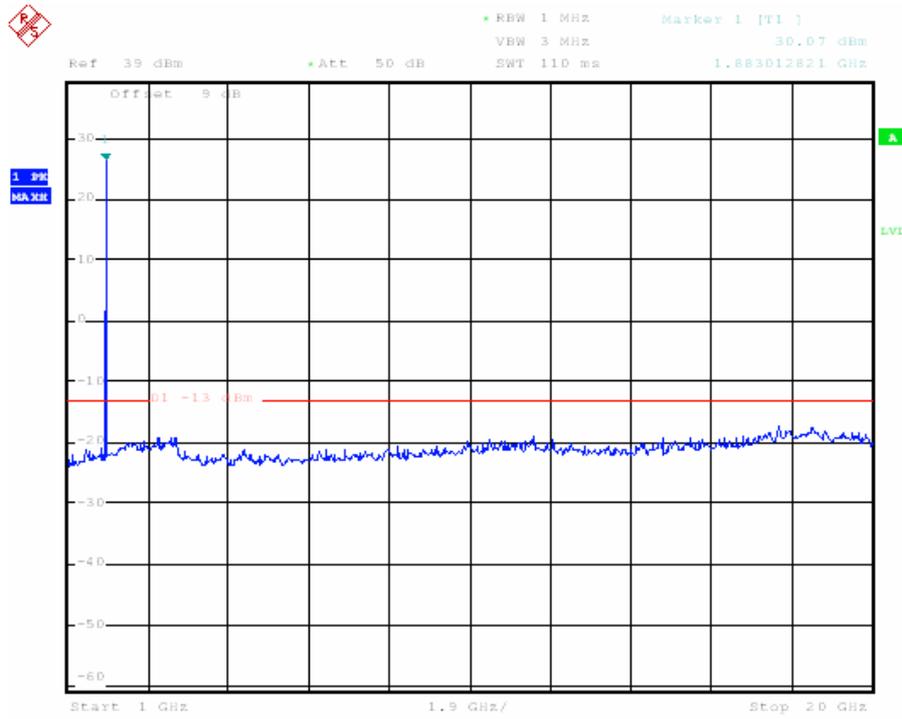
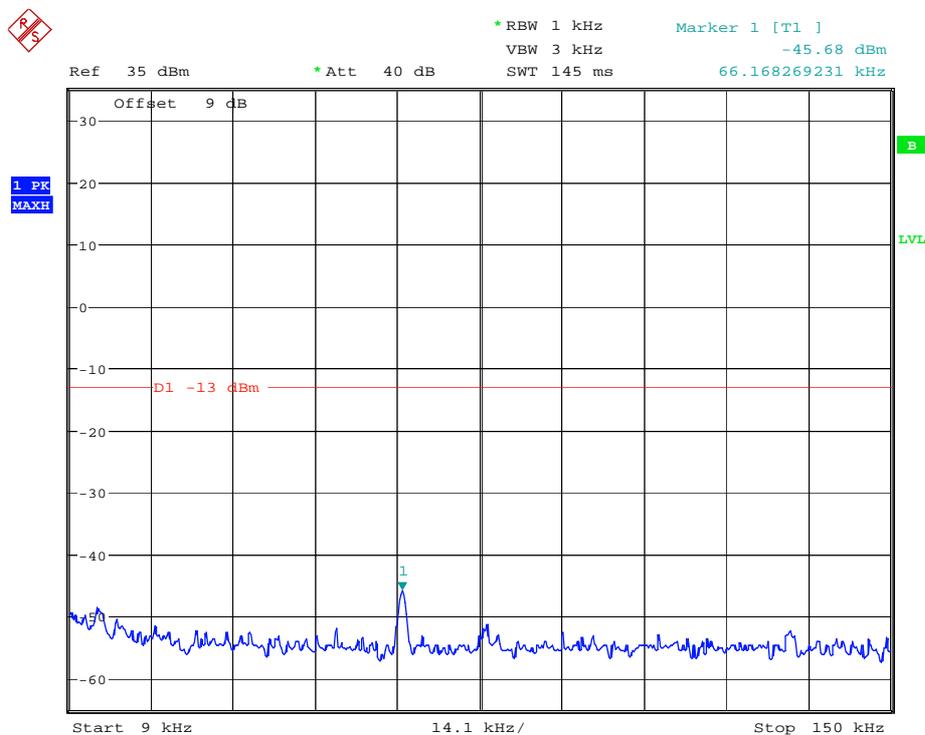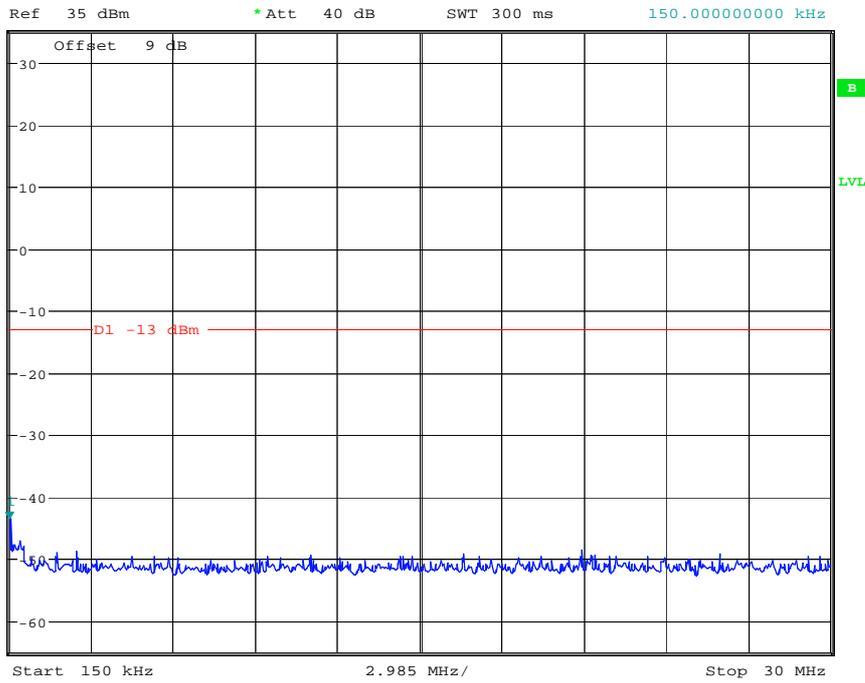Date: 11.SEP.2007 23:46:22

```
                                    * RBW  10 kHz        Marker 1 [T1 ]
                                      VBW  30 kHz                 -43.60 dBm
       Ref   35 dBm        * Att  40 dB     SWT  300 ms    150.000000000 kHz
```

Start 150 kHz   2.985 MHz/   Stop 30 MHz
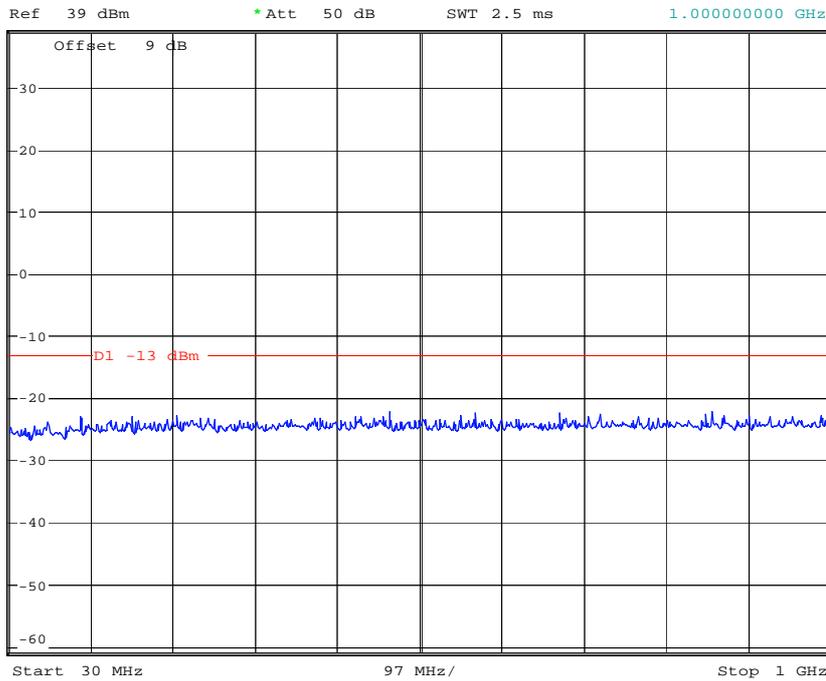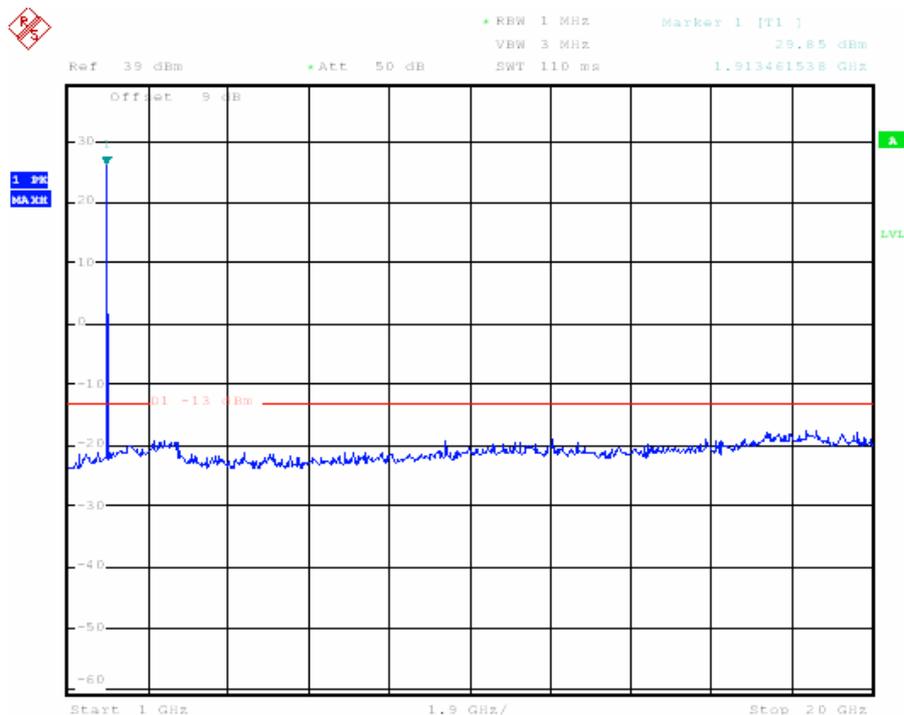
Date: 11.SEP.2007 23:39:32

```
                                    *RBW  1 MHz        Marker 1 [T1 ]
                                     VBW  3 MHz                    -22.77 dBm
          Ref   39 dBm        *Att  50 dB     SWT  2.5 ms       1.000000000 GHz
```

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TM2: EDGE

Channel 512

```
                                    * RBW  1 kHz        Marker 1 [T1 ]
                                      VBW  3 kHz                    -37.28 dBm
        Ref   39 dBm      * Att  50 dB   SWT 145 ms       66.168269231 kHz
```



```
        Date: 13.SEP.2007  22:30:21
```
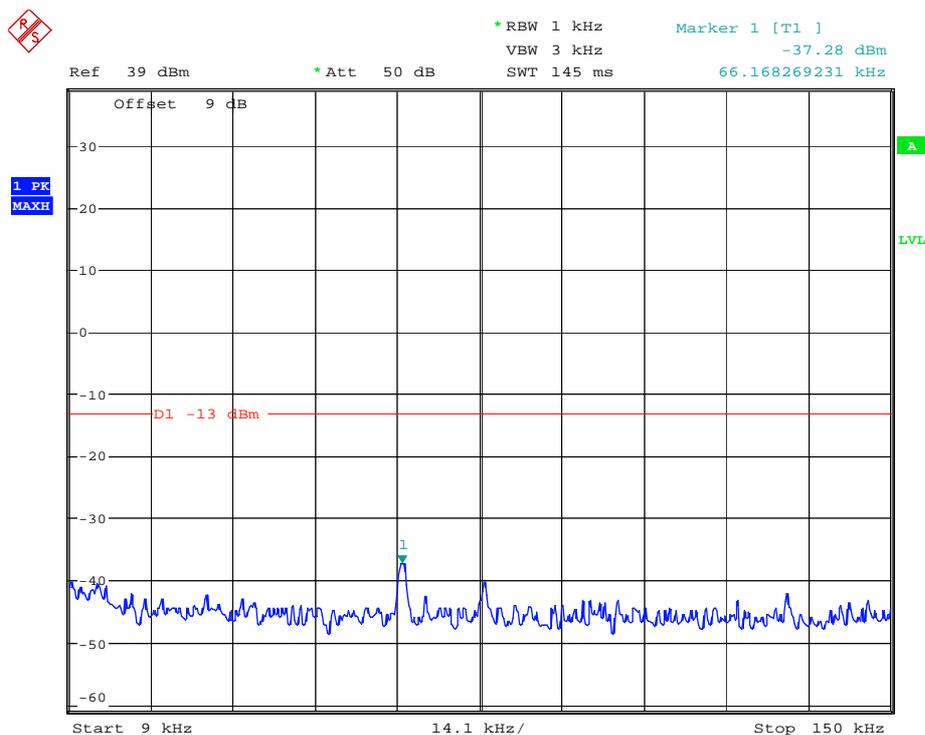
```
                                         * RBW  10 kHz      Marker 1 [T1 ]
                                           VBW  30 kHz                  -33.17 dBm
        Ref   39 dBm          * Att   50 dB    SWT 300 ms      197.836538462 kHz
```



```
Start  150 kHz                 2.985 MHz/                    Stop  30 MHz
```
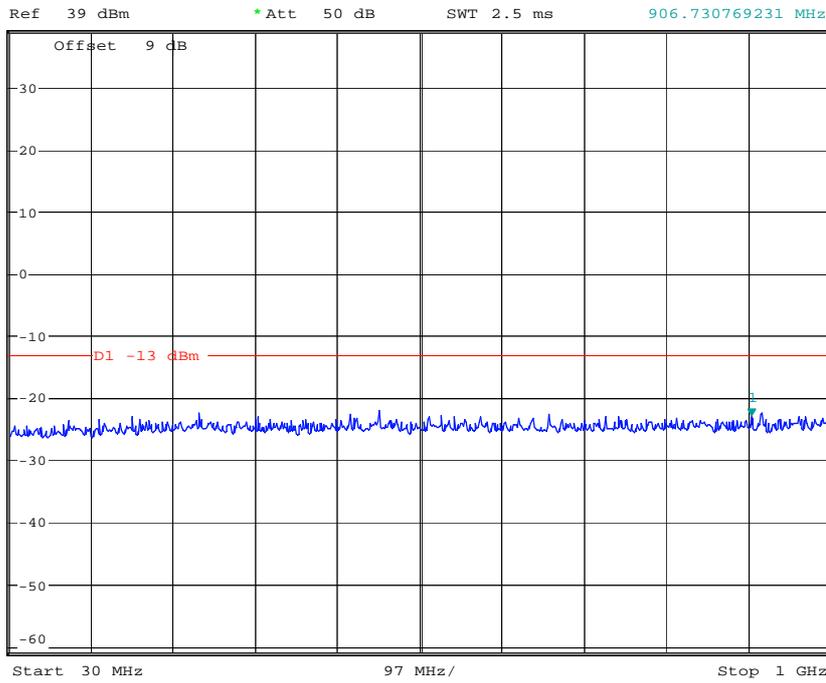
Date: 13.SEP.2007 22:34:17

```
                                        * RBW  1 MHz        Marker 1 [T1 ]
                                          VBW  3 MHz                  -23.11 dBm
        Ref   39 dBm          * Att  50 dB    SWT  2.5 ms    906.730769231 MHz

         Offset   9 dB                                                              A

  -30

1 PK
MAXH                                                                               LVL

  -20

  -10

   0

  -10
        D1 -13 dBm
  -20
                                                                    1
 ─── wave trace ───
  -30

  -40

  -50

  -60

       Start  30 MHz              97 MHz/              Stop  1 GHz
```

Date: 13.SEP.2007 22:41:31

Date: 13.SEP.2007 22:22:10

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Channel 661


```
                                    *RBW  1 kHz        Marker 1 [T1 ]
                                     VBW  3 kHz                  -36.95 dBm
    Ref   39 dBm          *Att   50 dB    SWT 145 ms      66.168269231 kHz
        Offset   9 dB
```

Start 9 kHz   14.1 kHz/   Stop 150 kHz

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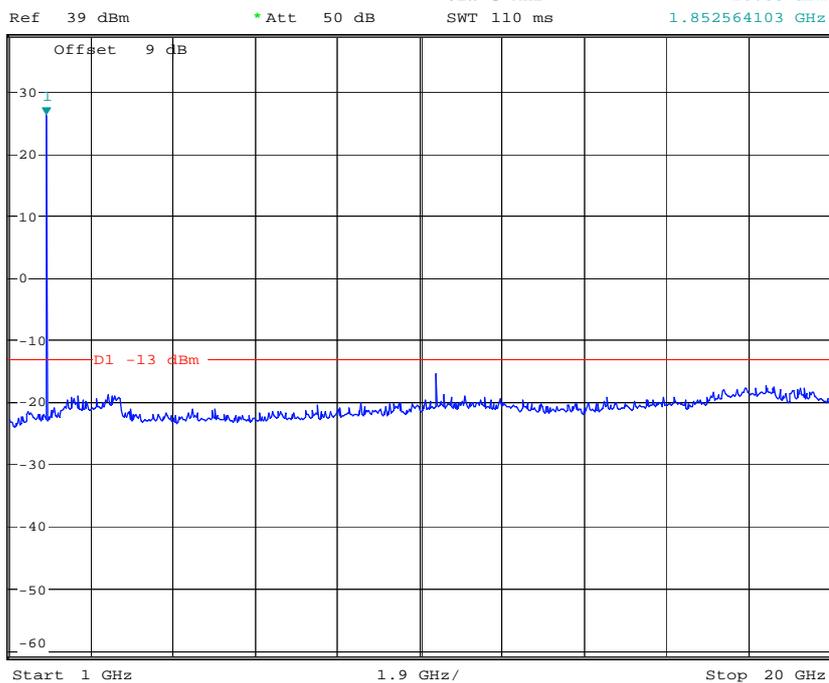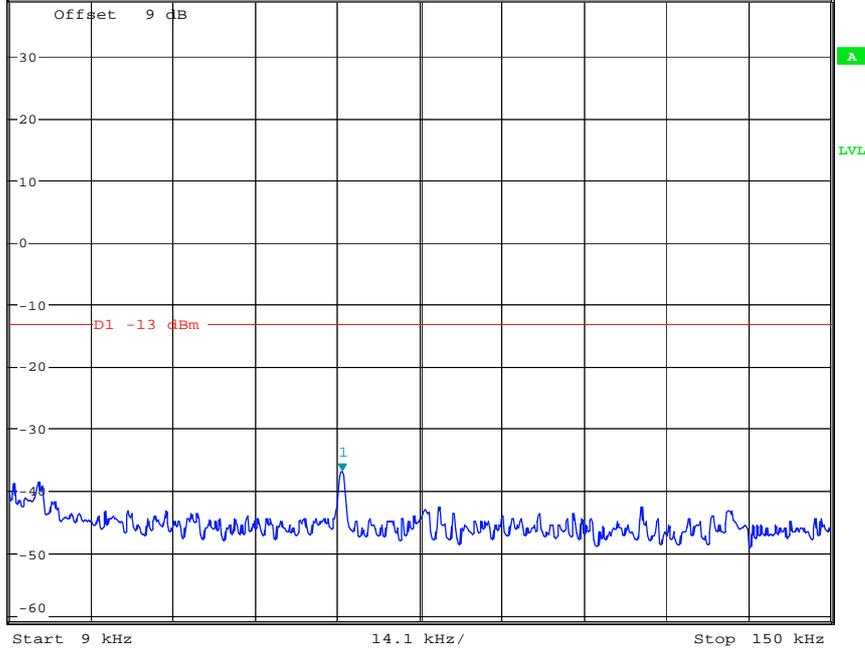
```
                                        * RBW  10 kHz      Marker 1 [T1 ]
                                          VBW  30 kHz               -32.96 dBm
         Ref   39 dBm          * Att  50 dB    SWT 300 ms    197.836538462 kHz

              Offset   9 dB                                                    A

   1 PK                                                                        LVL
   MAXH
        -30

        -20

        -10

          0

        -10
            D1 -13 dBm
        -20

        -30

        -40

        -50

        -60

         Start 150 kHz            2.985 MHz/              Stop  30 MHz
```
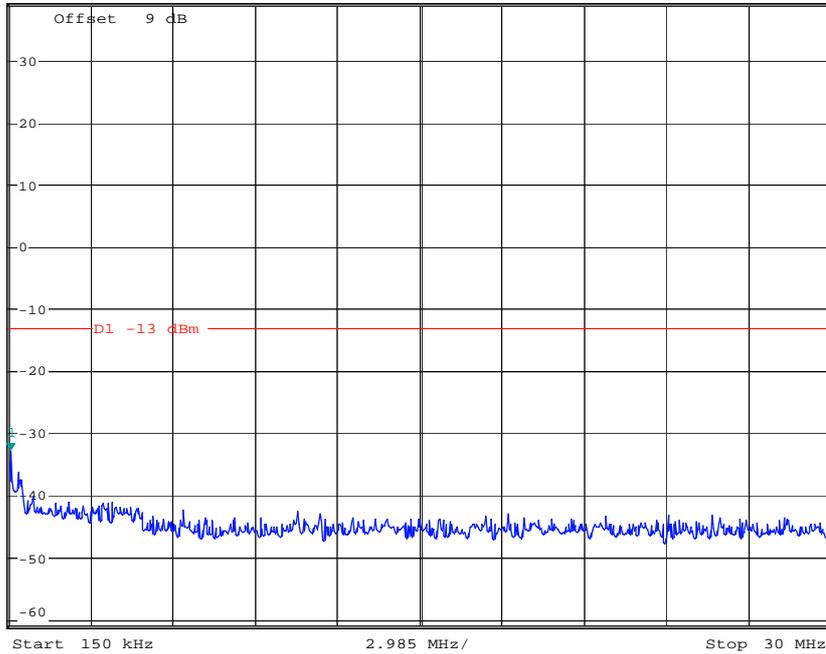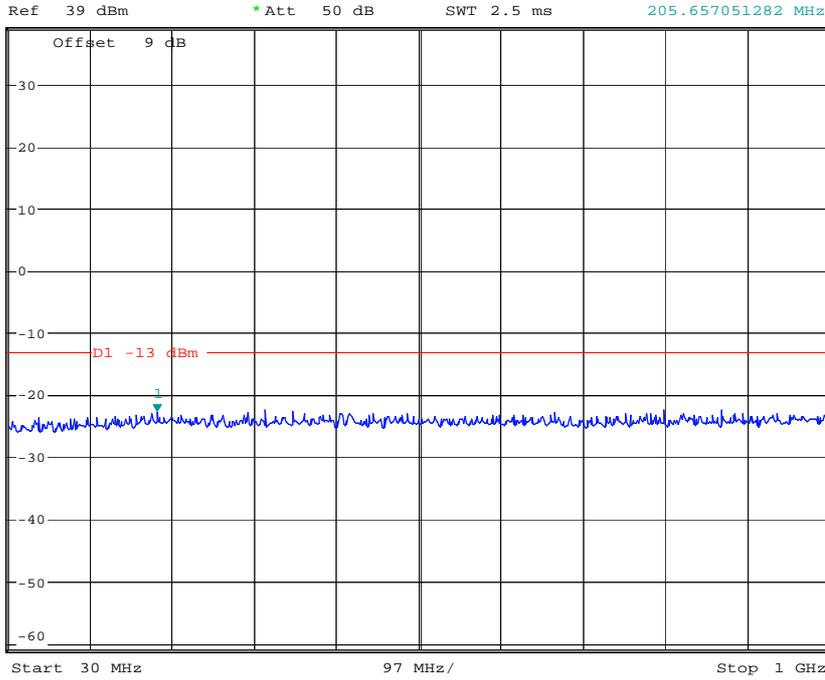
Date: 13.SEP.2007 22:36:41

```
                                          * RBW  1 MHz        Marker 1 [T1 ]
                                            VBW  3 MHz                  -22.96 dBm
          Ref   39 dBm          * Att  50 dB      SWT  2.5 ms    205.657051282 MHz
```
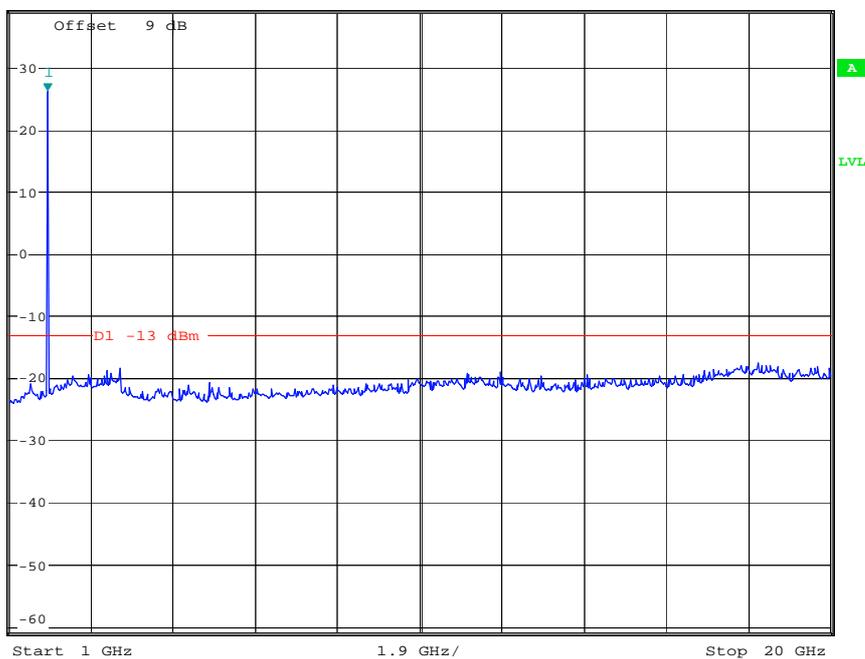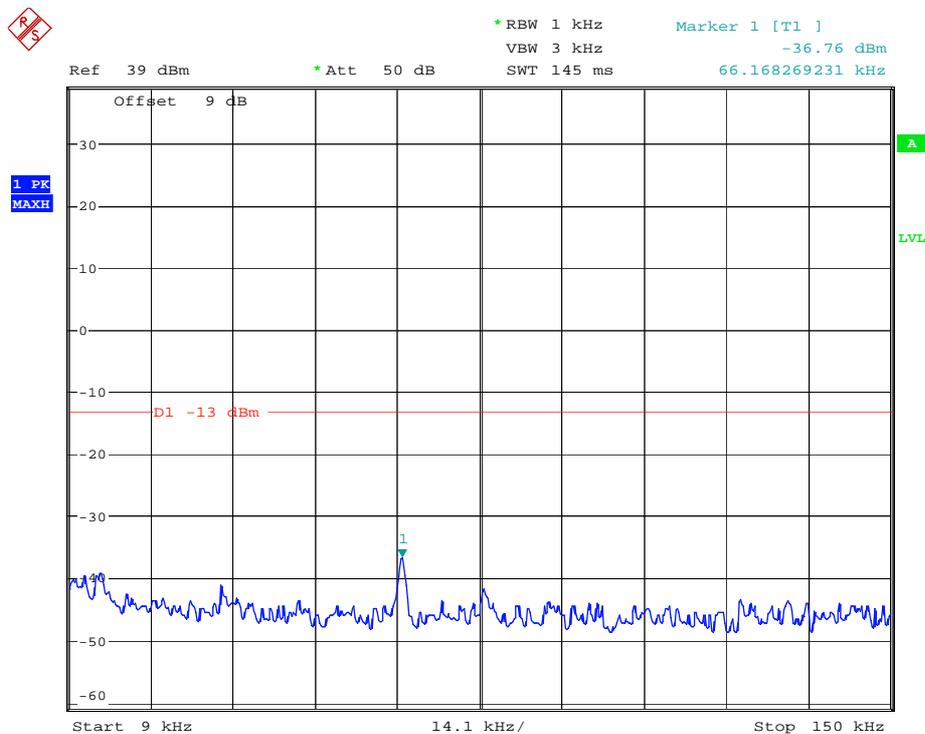
Offset   9 dB

```
  30

  20

  10

   0

 -10
        D1 -13 dBm

 -20
              1

 -30

 -40

 -50

 -60
```

A

LVL

1 PK
MAXH

Start 30 MHz   97 MHz/   Stop 1 GHz

Date: 13.SEP.2007 22:43:23

```
                                        *RBW  1 MHz       Marker 1 [T1 ]
                                         VBW  3 MHz                   26.07 dBm
        Ref   39 dBm         *Att   50 dB   SWT 110 ms        1.883012821 GHz
```
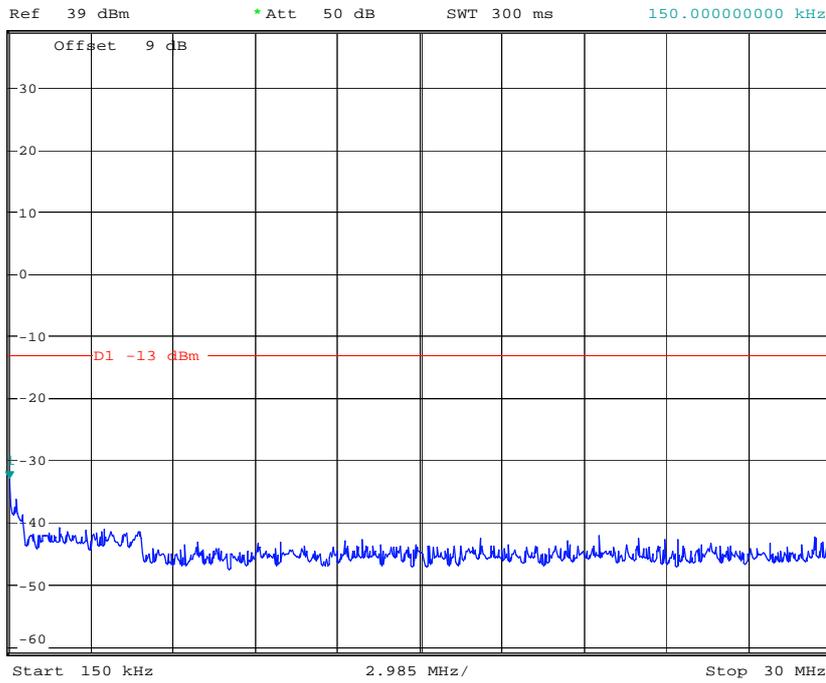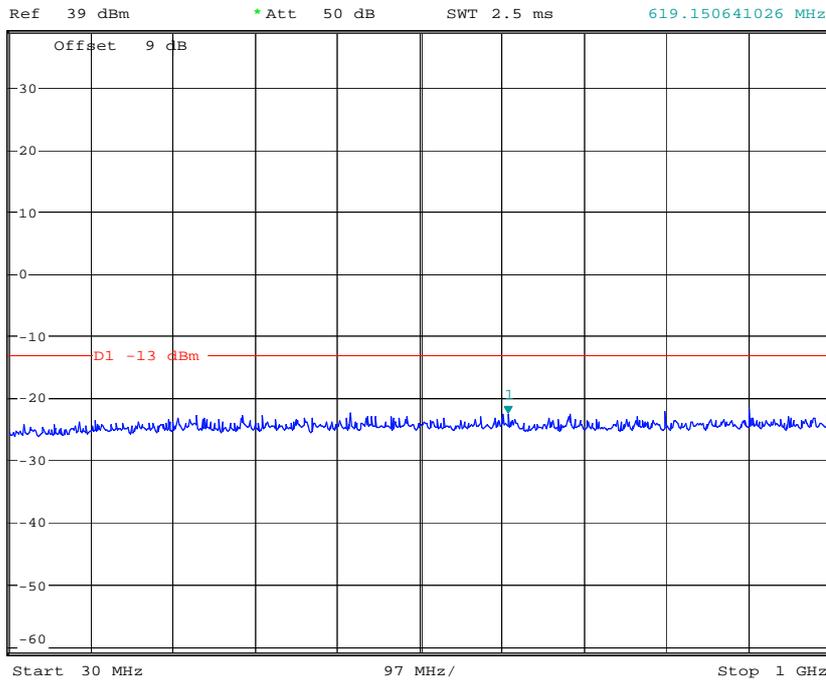
Date: 13.SEP.2007 22:26:18

Channel 810


```
                                      *RBW  1 kHz      Marker 1 [T1 ]
                                       VBW  3 kHz                -36.76 dBm
     Ref   39 dBm          *Att  50 dB   SWT 145 ms     66.168269231 kHz
```

Start 9 kHz   14.1 kHz/   Stop 150 kHz

Date: 13.SEP.2007 22:39:13

```
                                        * RBW  10 kHz        Marker 1 [T1 ]
                                          VBW  30 kHz                   -33.17 dBm
         Ref   39 dBm           * Att  50 dB      SWT  300 ms      150.000000000 kHz
```
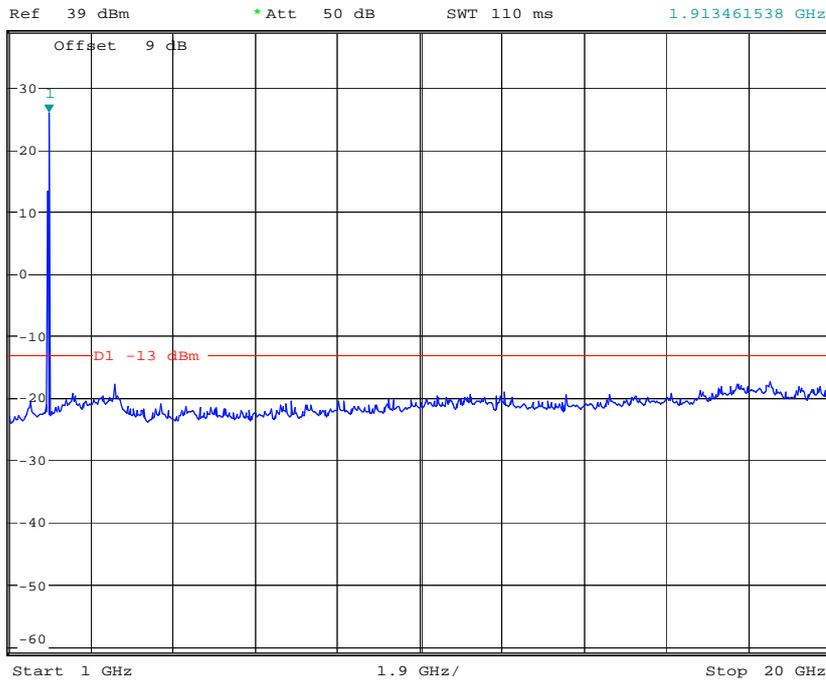


```
Start  150 kHz                 2.985 MHz/                      Stop  30 MHz
```

Date: 13.SEP.2007 22:38:02

Date: 13.SEP.2007 22:44:26

Date: 13.SEP.2007 22:28:20