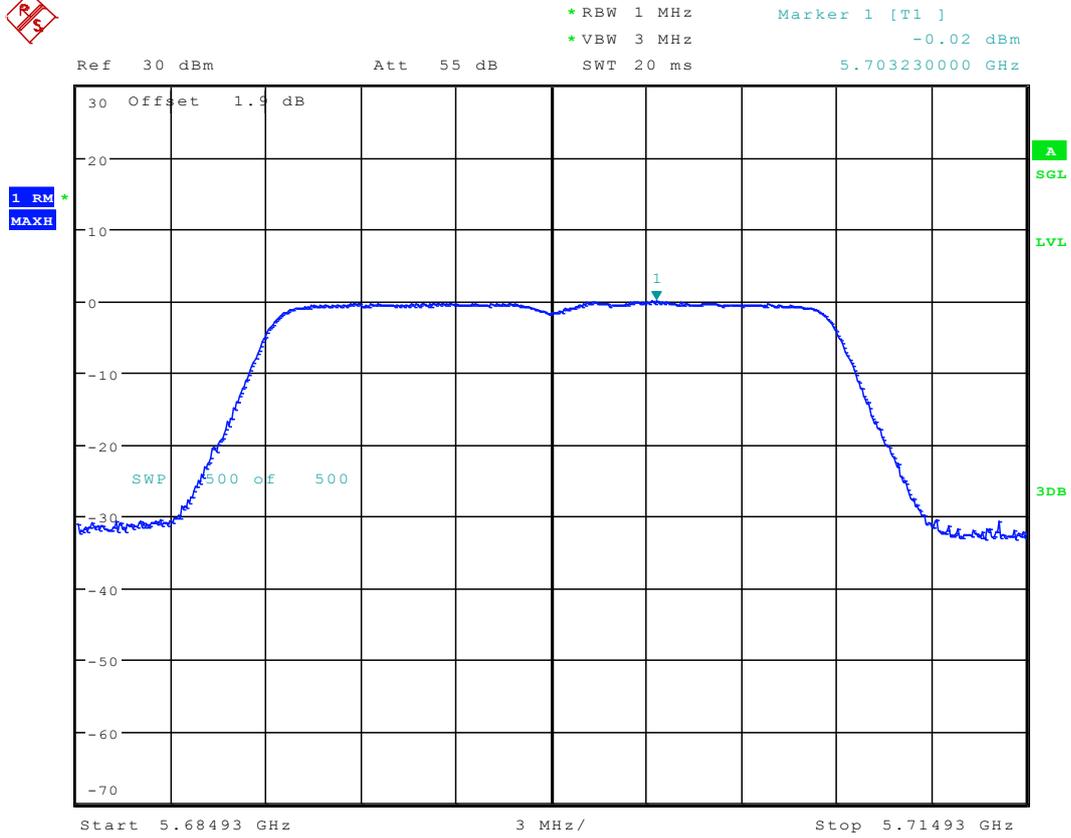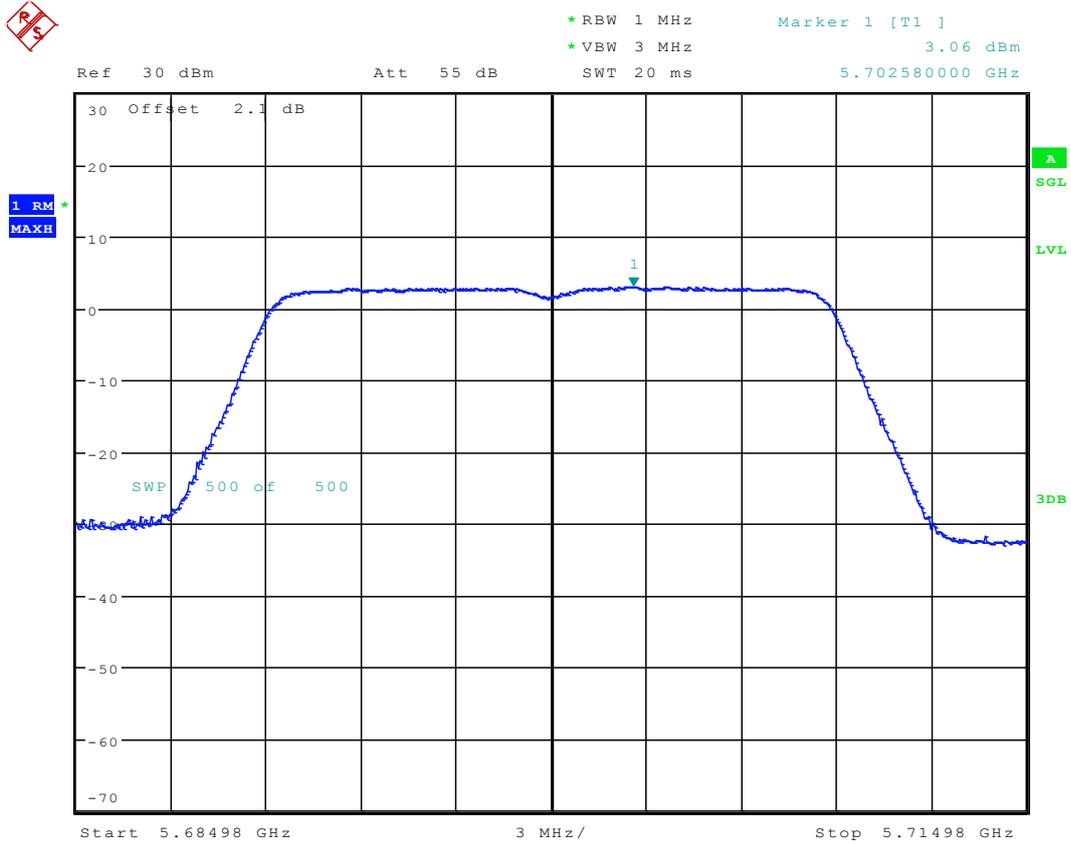### 6.94 11AC20_140 Ant 2

Date: 3.DEC.2016 12:34:49

6.95   11AC20M_140 Ant 1

Date: 8.DEC.2016   12:00:00

6.96   11AC20M_140 Ant 2
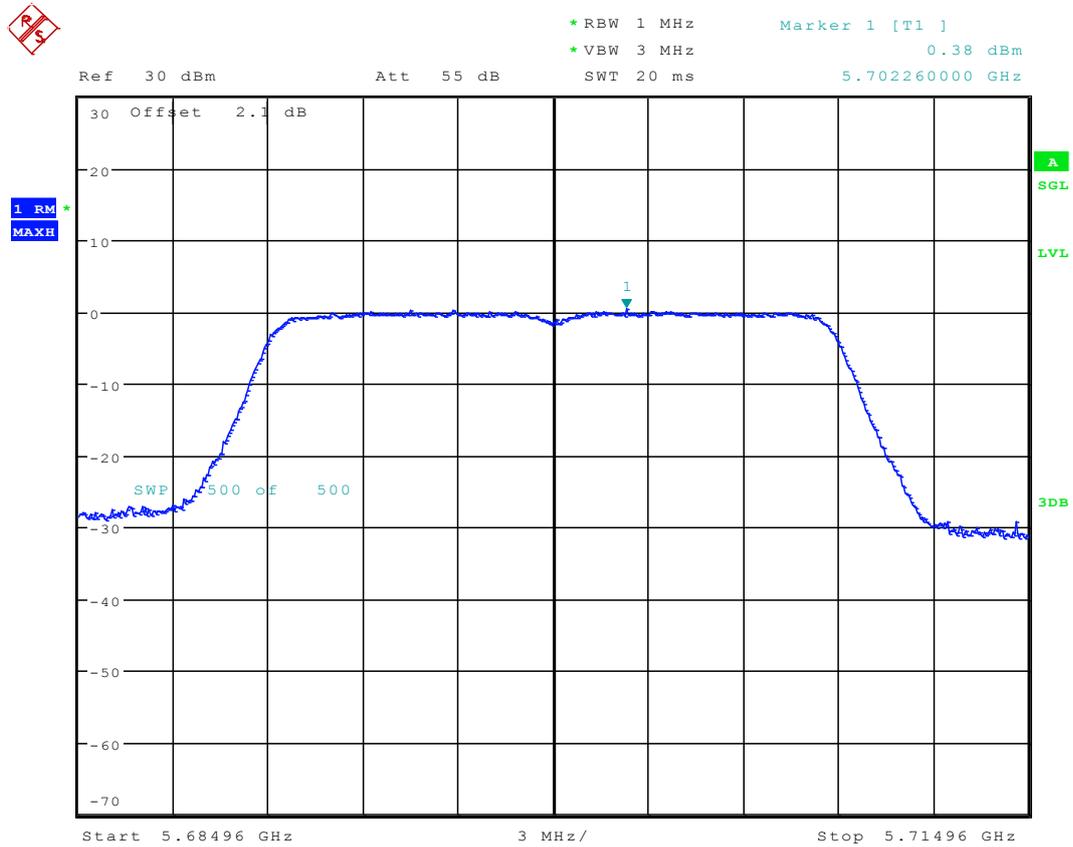
Date: 9.DEC.2016 15:30:06

6.97   11AC20_149 Ant 1
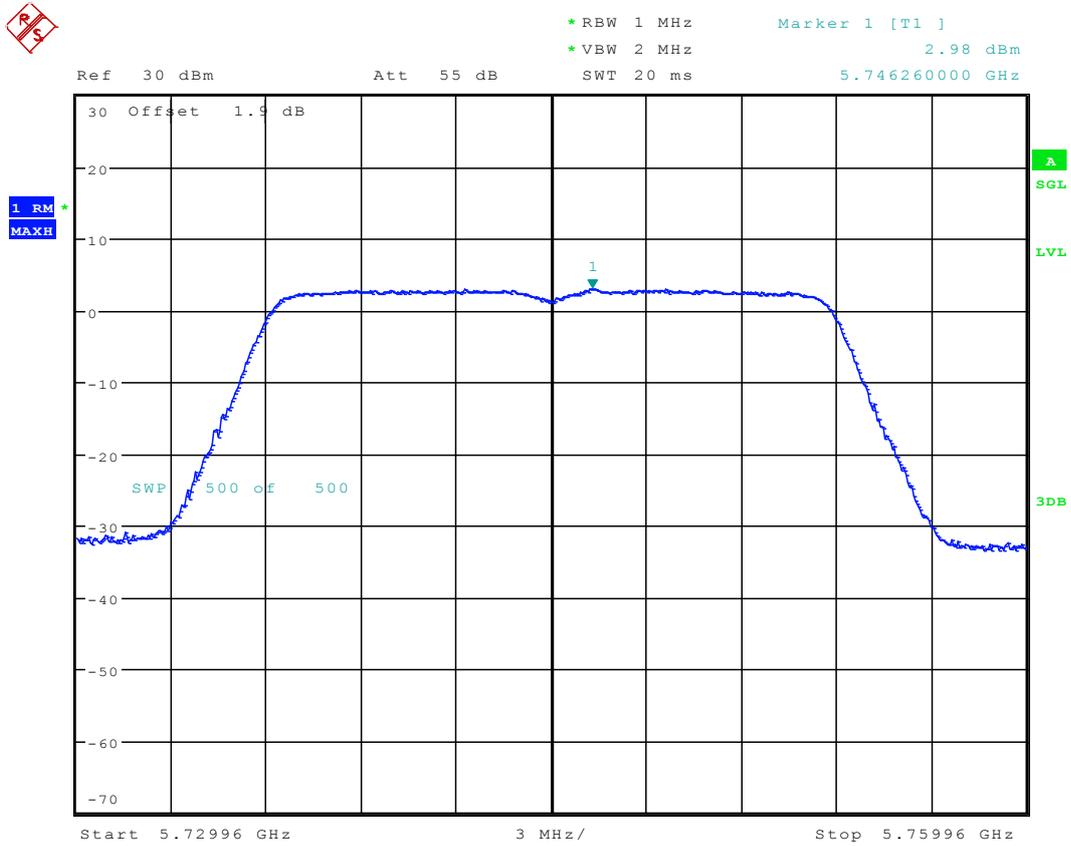
Date: 30.NOV.2016   17:07:23

6.98 11AC20_149 Ant 2
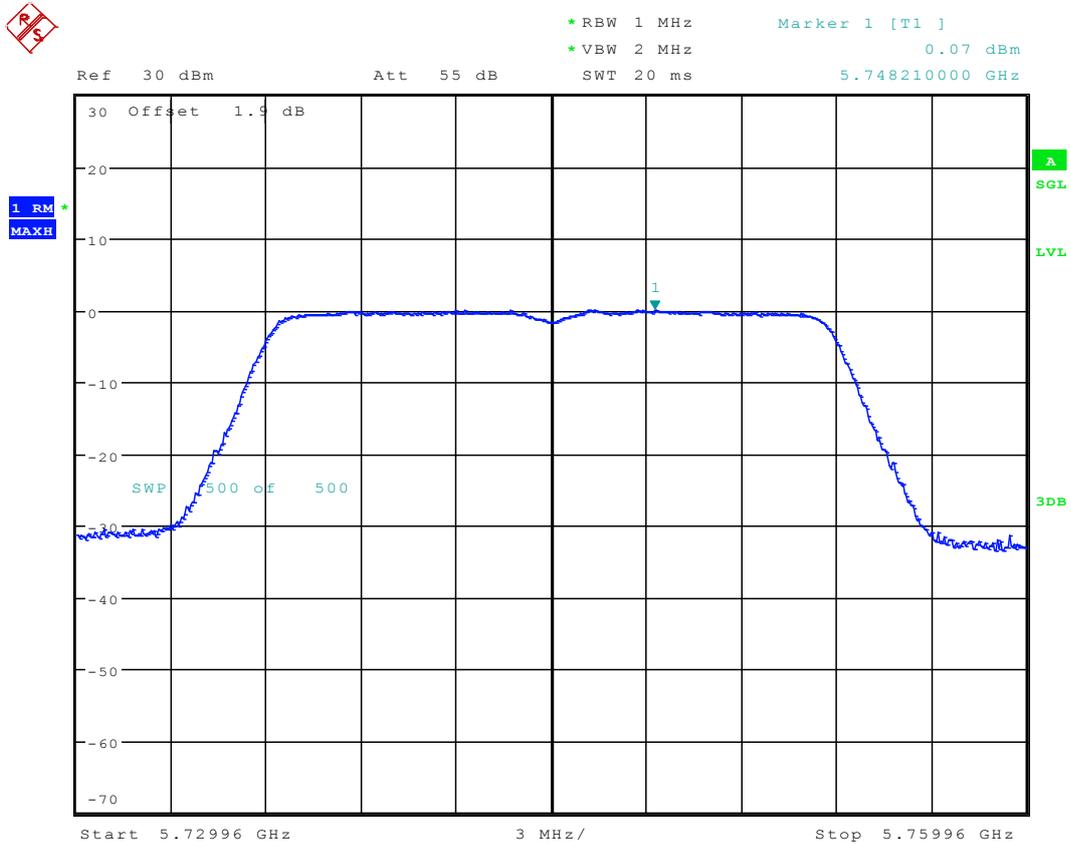
Date: 3.DEC.2016 14:45:58

6.99   11AC20M_149 Ant 1
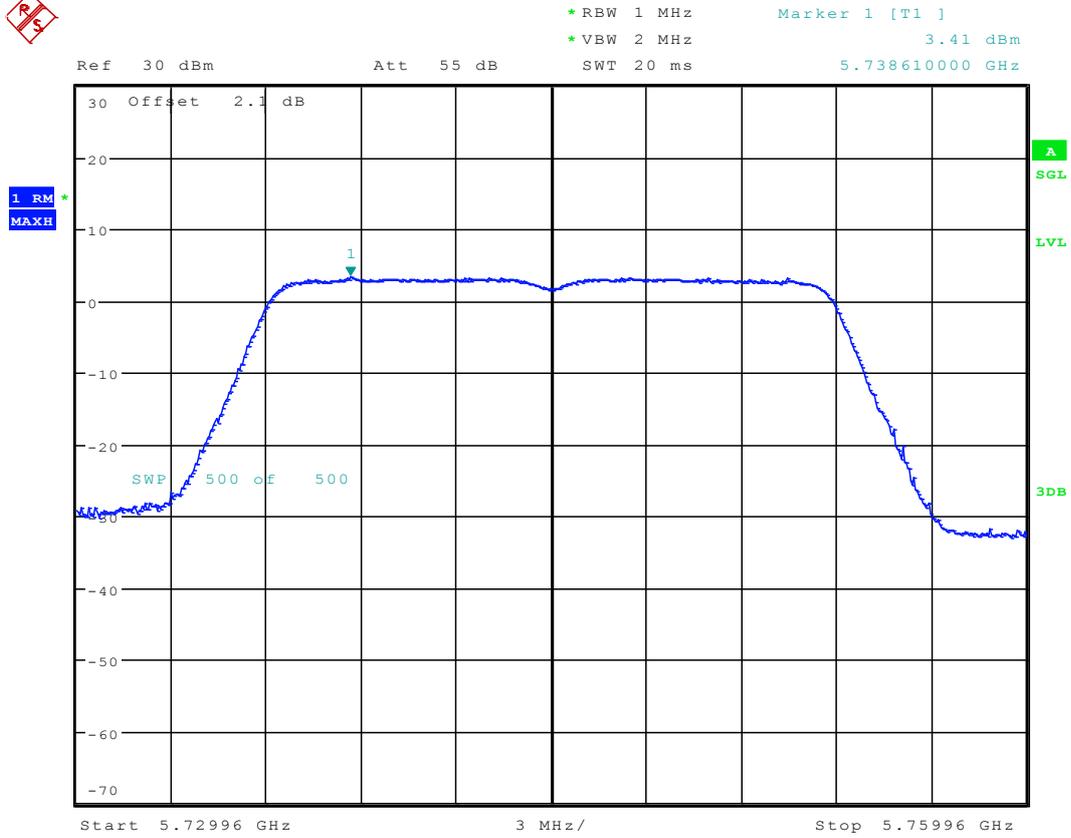
Date: 8.DEC.2016 12:06:59

6.100 11AC20M_149 Ant 2
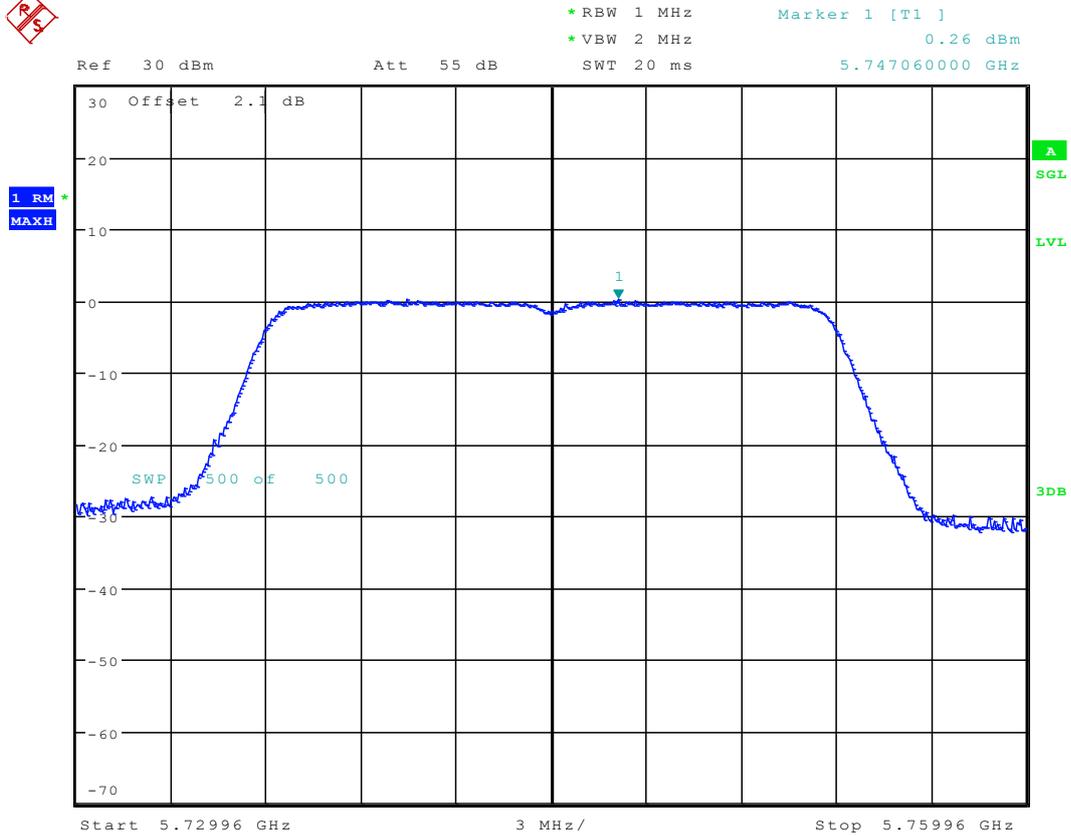
Date: 10.DEC.2016 11:40:22

6.101 11AC20_165 Ant 1
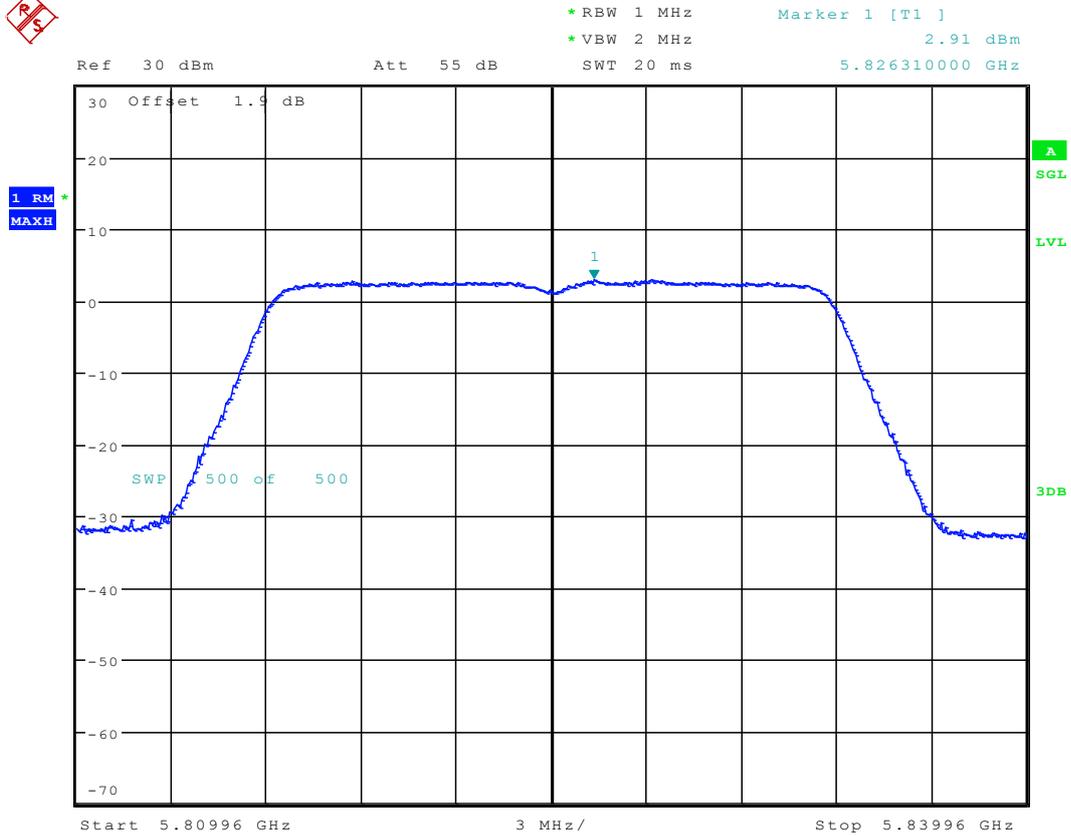
Date: 30.NOV.2016 17:12:50

6.102 11AC20_165 Ant 2
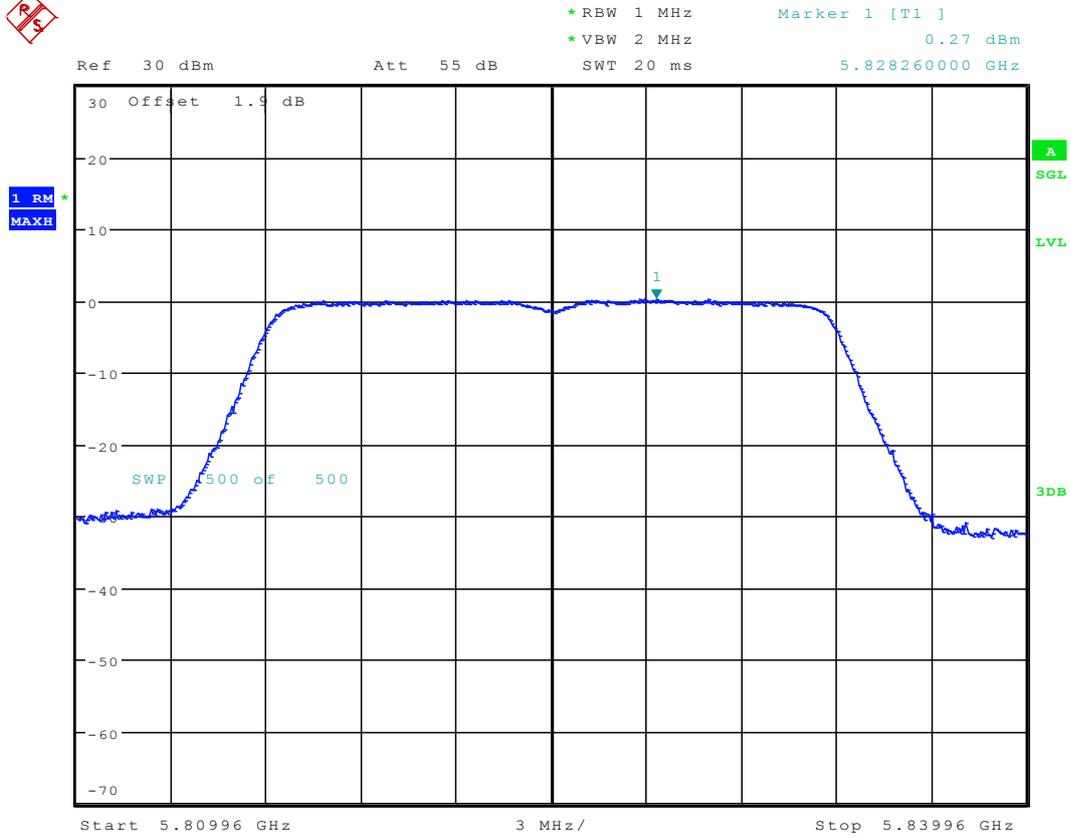
Date: 3.DEC.2016 14:54:08

6.103 11AC20M_165 Ant 1


```
*RBW  1 MHz          Marker 1 [T1 ]
*VBW  2 MHz                    2.92 dBm
Ref  30 dBm        Att  55 dB    SWT  20 ms      5.819860000 GHz
```
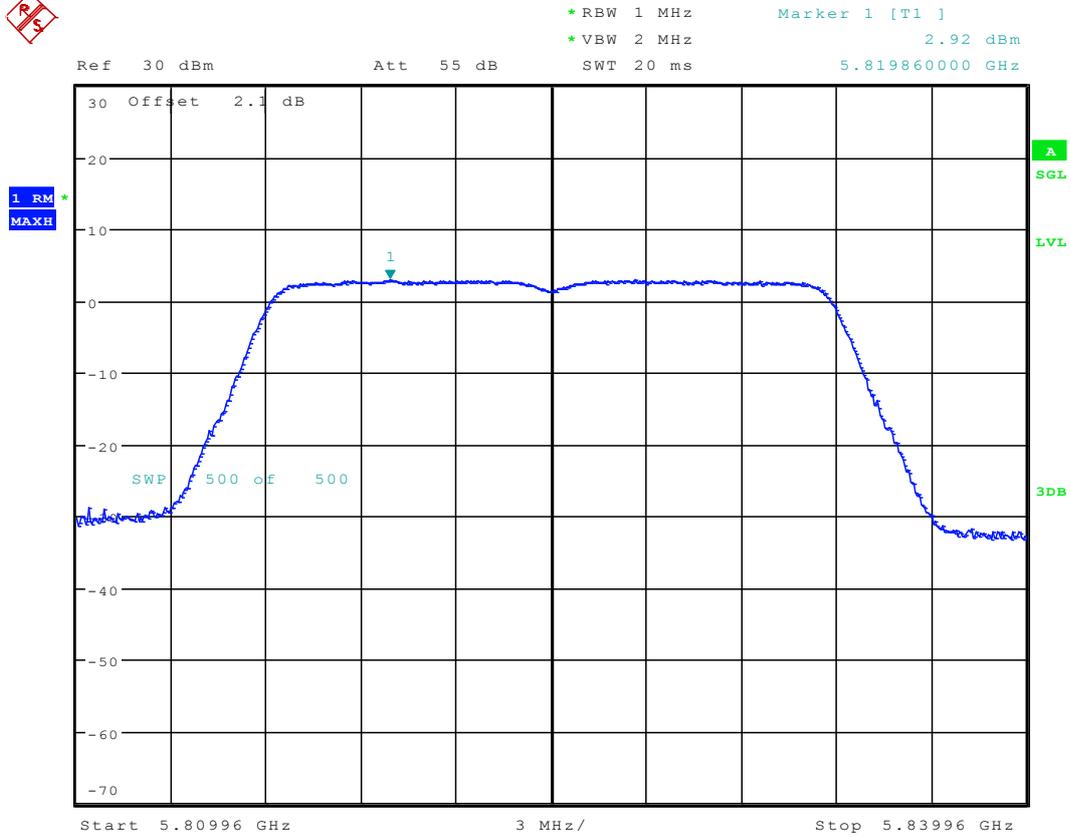
Date: 8.DEC.2016 12:13:09

6.104 11AC20M_165 Ant 2
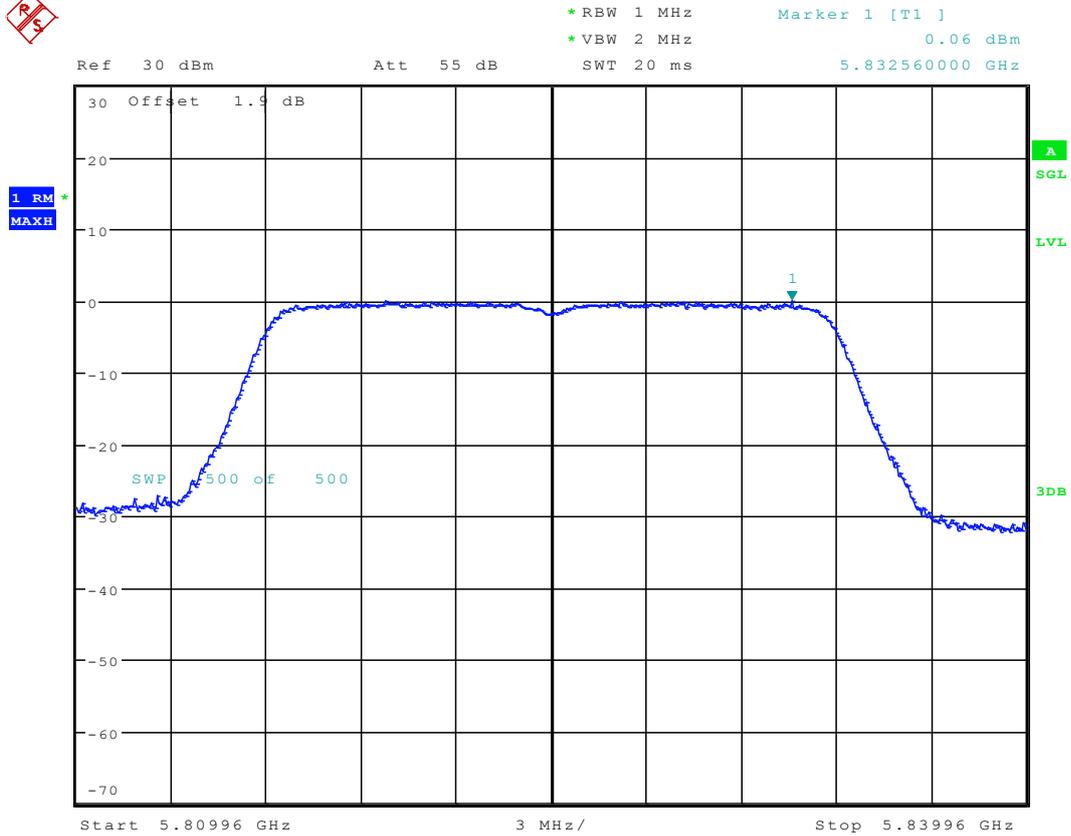
Date: 17.DEC.2016 09:43:48

6.105 11AC40_38 Ant 1
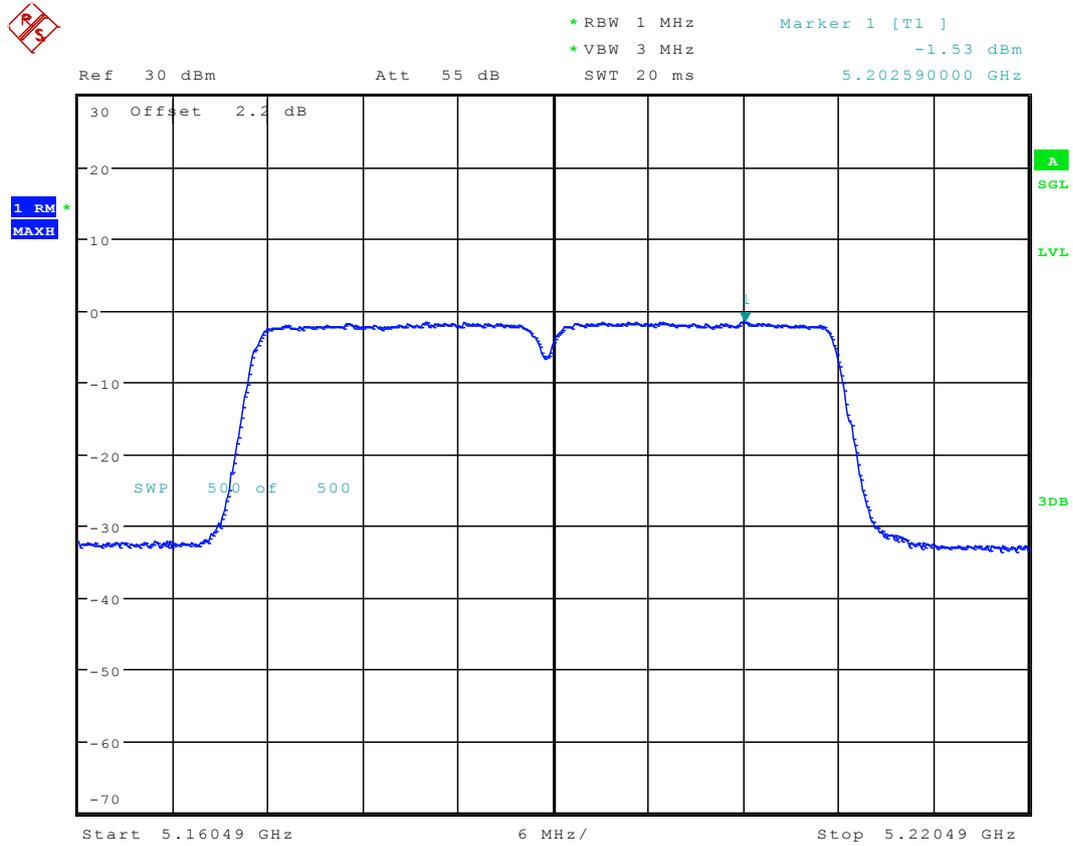
Date: 30.NOV.2016 18:22:51

6.106 11AC40_38 Ant 2
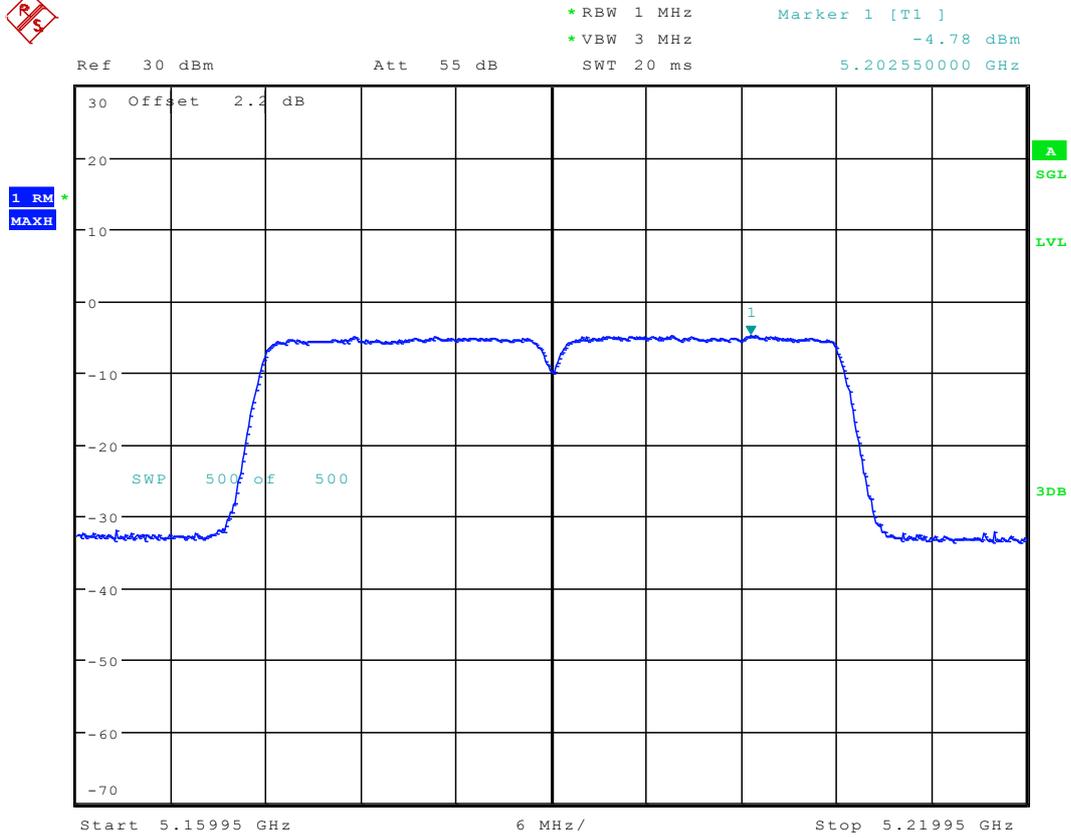
Date: 3.DEC.2016 16:15:20

6.107 11AC40M_38 Ant 1
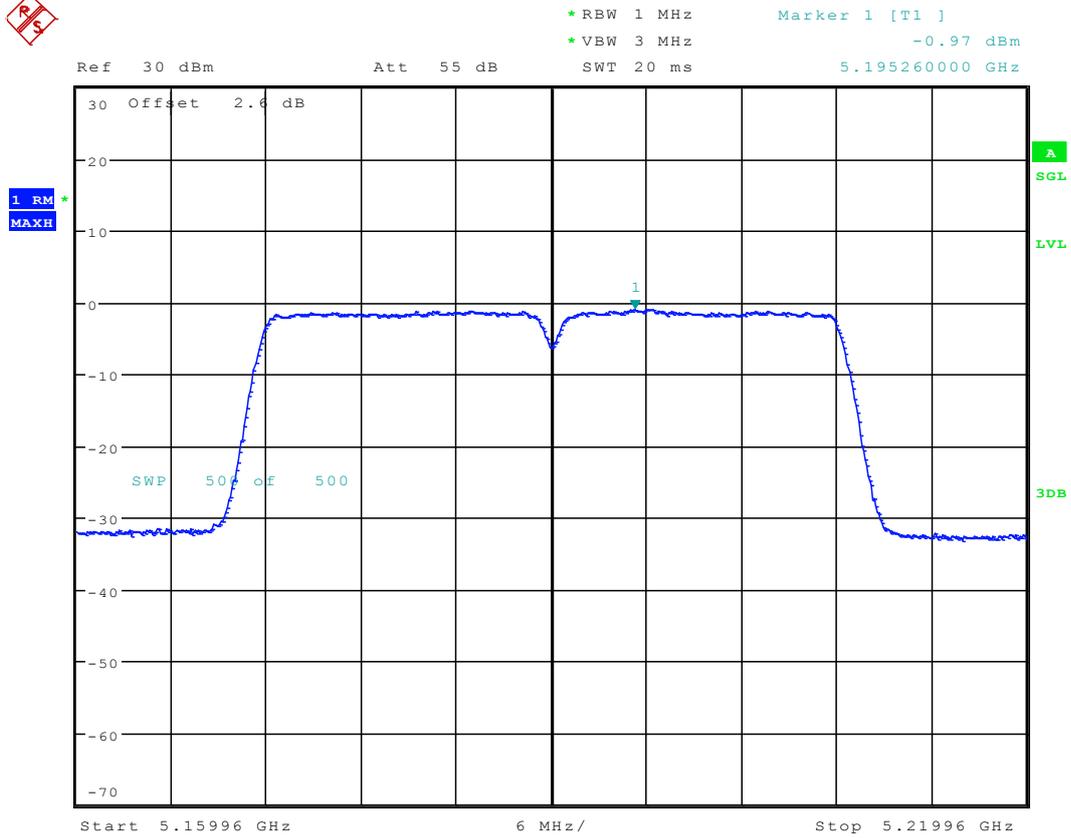
Date: 8.DEC.2016 14:37:53

6.108 11AC40M_38 Ant 2

Date: 10.DEC.2016   09:57:19
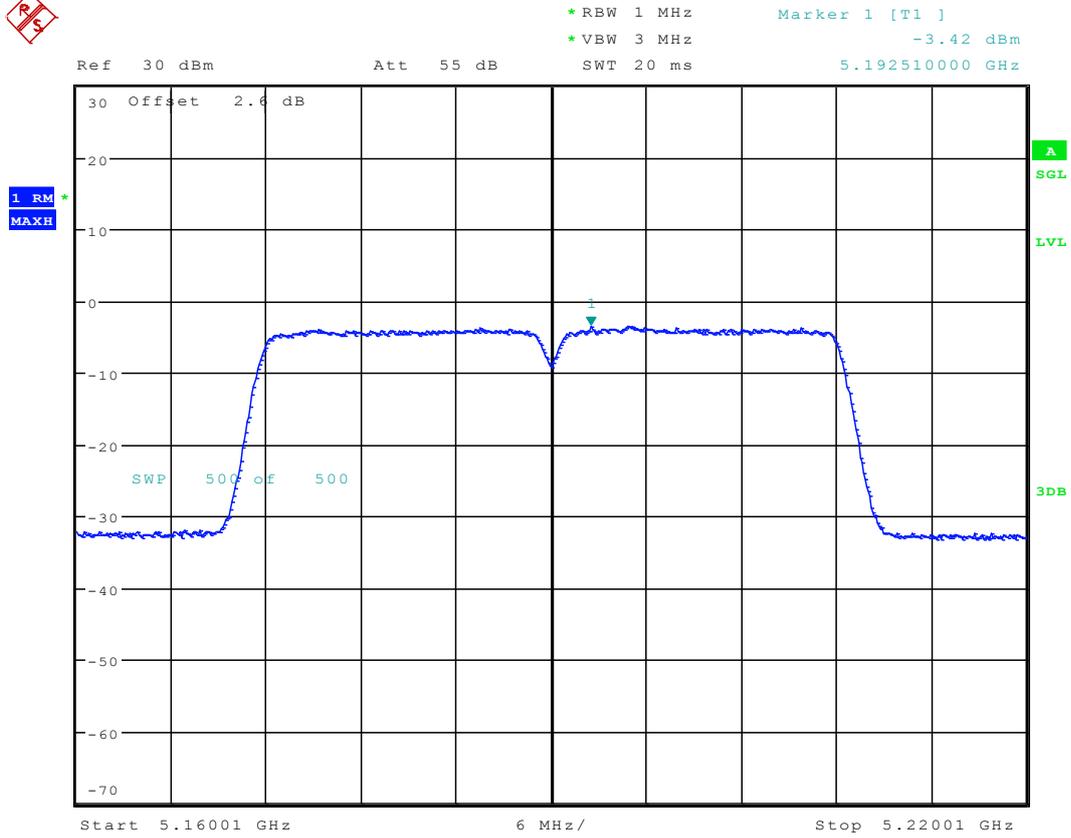
6.109 11AC40_46 Ant 1

Date: 30.NOV.2016 18:27:57

6.110 11AC40_46 Ant 2
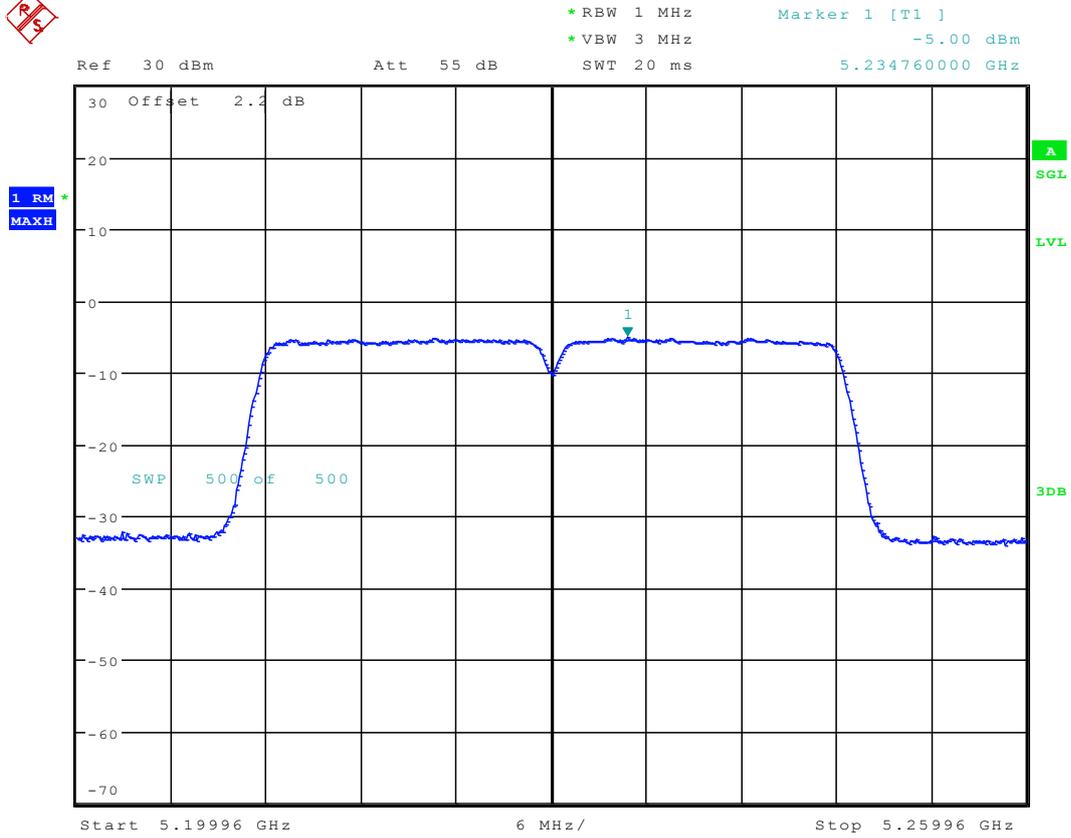
Date: 3.DEC.2016 16:24:11

6.111 11AC40M_46 Ant 1
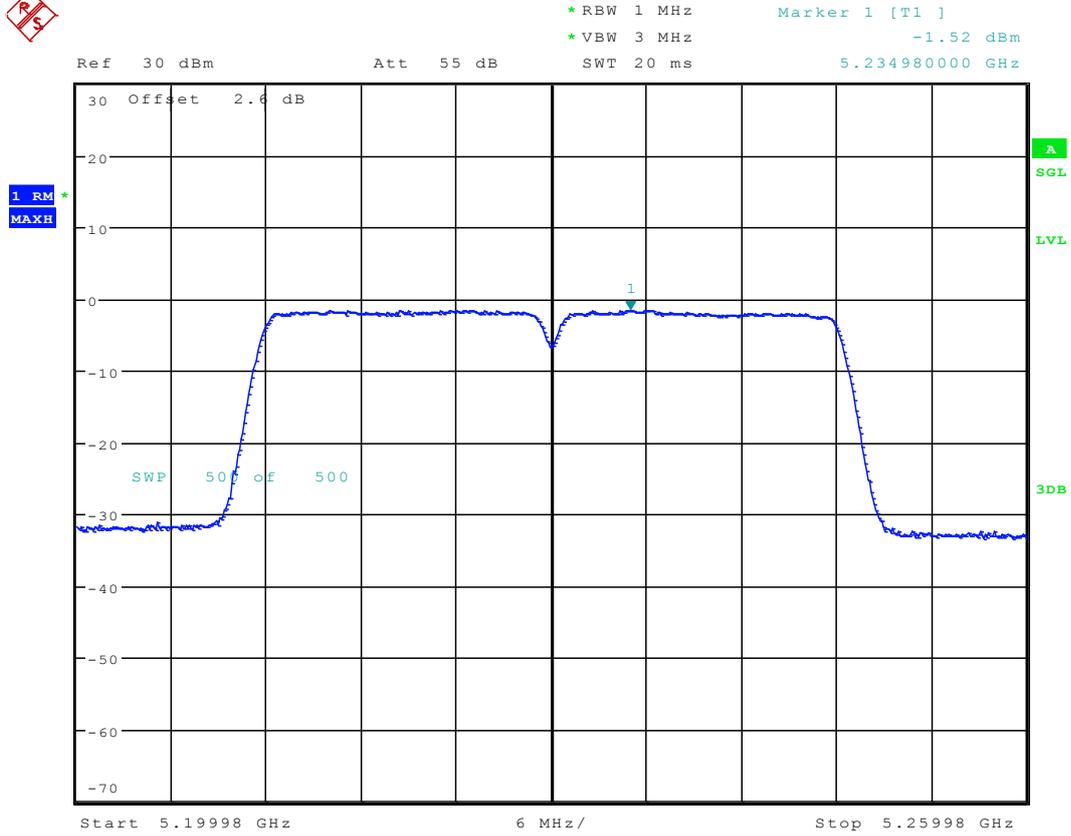
Date: 8.DEC.2016 14:42:59

6.112 11AC40M_46 Ant 2


```
                                      * RBW  1 MHz      Marker 1 [T1 ]
                                      * VBW  3 MHz                    -3.58 dBm
          Ref   30 dBm        Att  55 dB    SWT  20 ms      5.234990000 GHz

          30  Offset   2.6 dB                                              A
                                                                          SGL
           20

    1 RM                                                                  LVL
    MAXH   10

            0                                                             

          -10

          -20
            SWP   500 of   500                                            3DB
          -30

          -40

          -50

          -60

          -70
          Start  5.19999 GHz          6 MHz/          Stop  5.25999 GHz
```
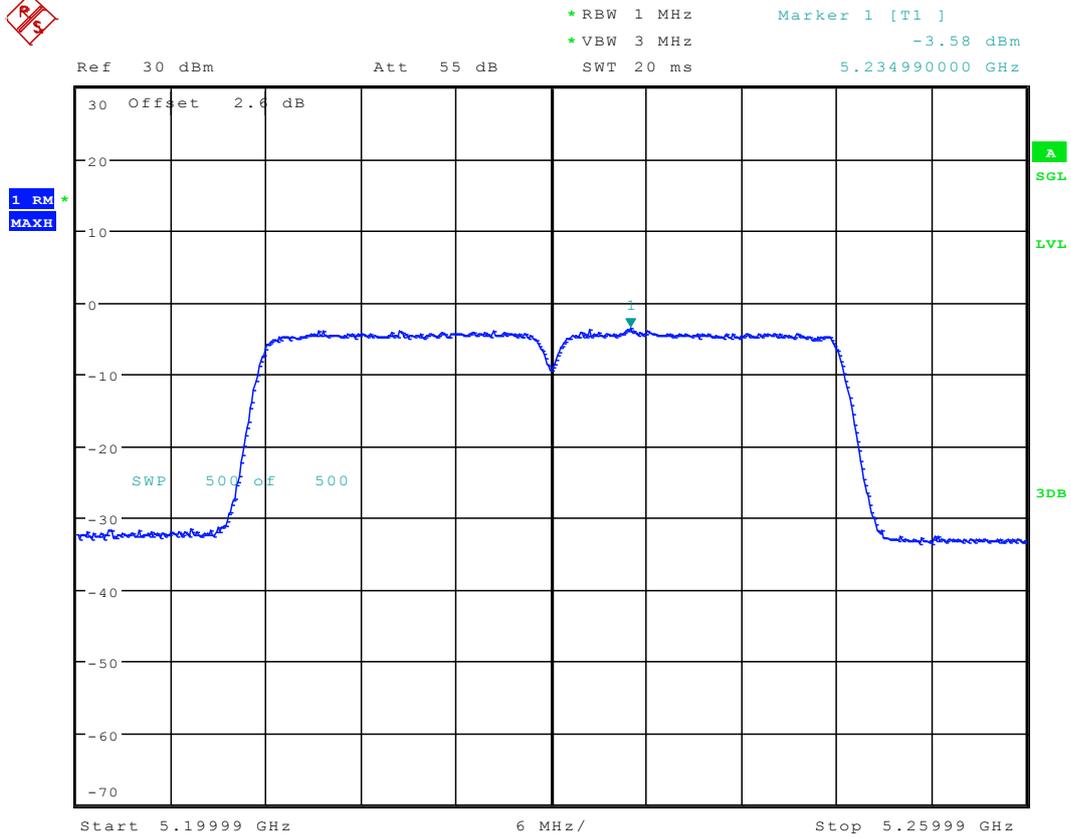
Date: 10.DEC.2016 10:02:55

6.113 11AC40_54 Ant 1


```
                                          *RBW  1 MHz      Marker 1 [T1 ]
                                          *VBW  3 MHz              -2.02 dBm
        Ref   30 dBm          Att  55 dB   SWT  20 ms      5.263430000 GHz
```
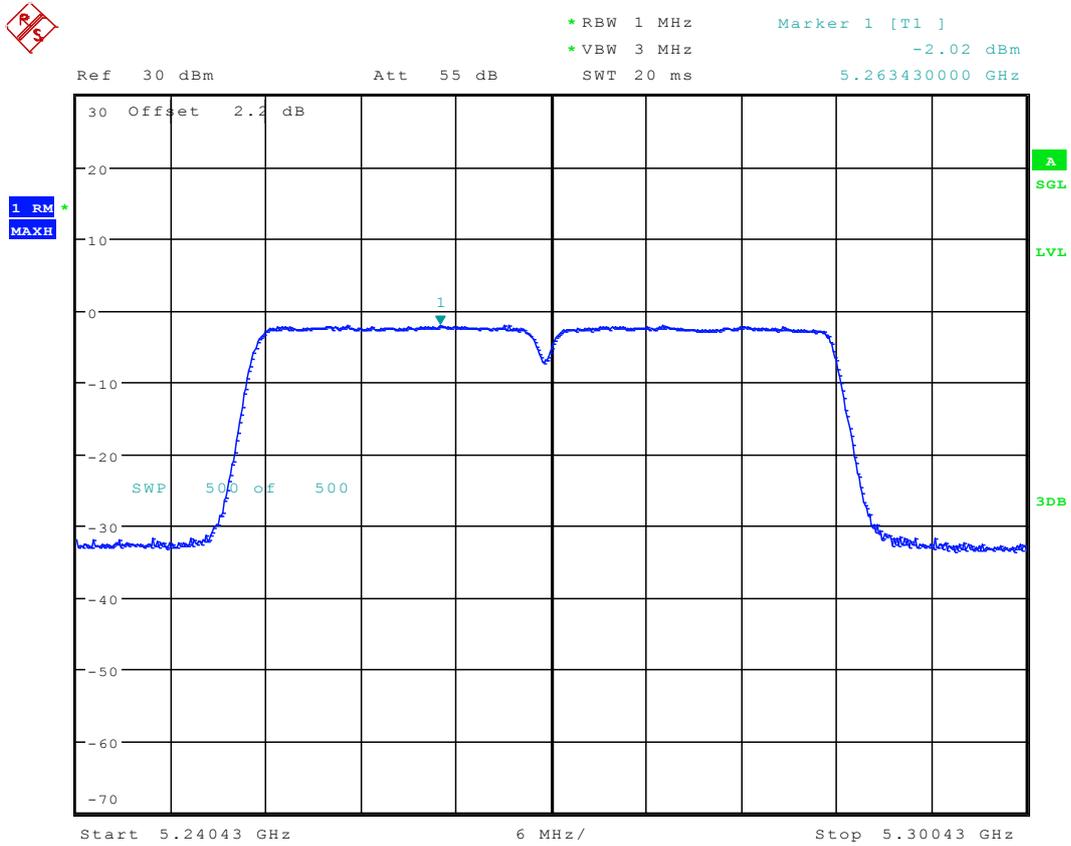
Date: 30.NOV.2016 18:33:24

6.114 11AC40_54 Ant 2


```
                                          *RBW  1 MHz        Marker 1 [T1 ]
                                          *VBW  3 MHz                  -4.82 dBm
          Ref  30 dBm              Att  55 dB   SWT  20 ms      5.282450000 GHz

          30  Offset   2.2  dB                                              A
                                                                           SGL
           20

    1 RM *                                                                 LVL
    MAXH   10

            0                                        1
          -10
                                                                           3DB
          -20
              SWP   500 of   500
          -30

          -40

          -50

          -60

          -70
          Start 5.23995 GHz         6 MHz/         Stop 5.29995 GHz
```
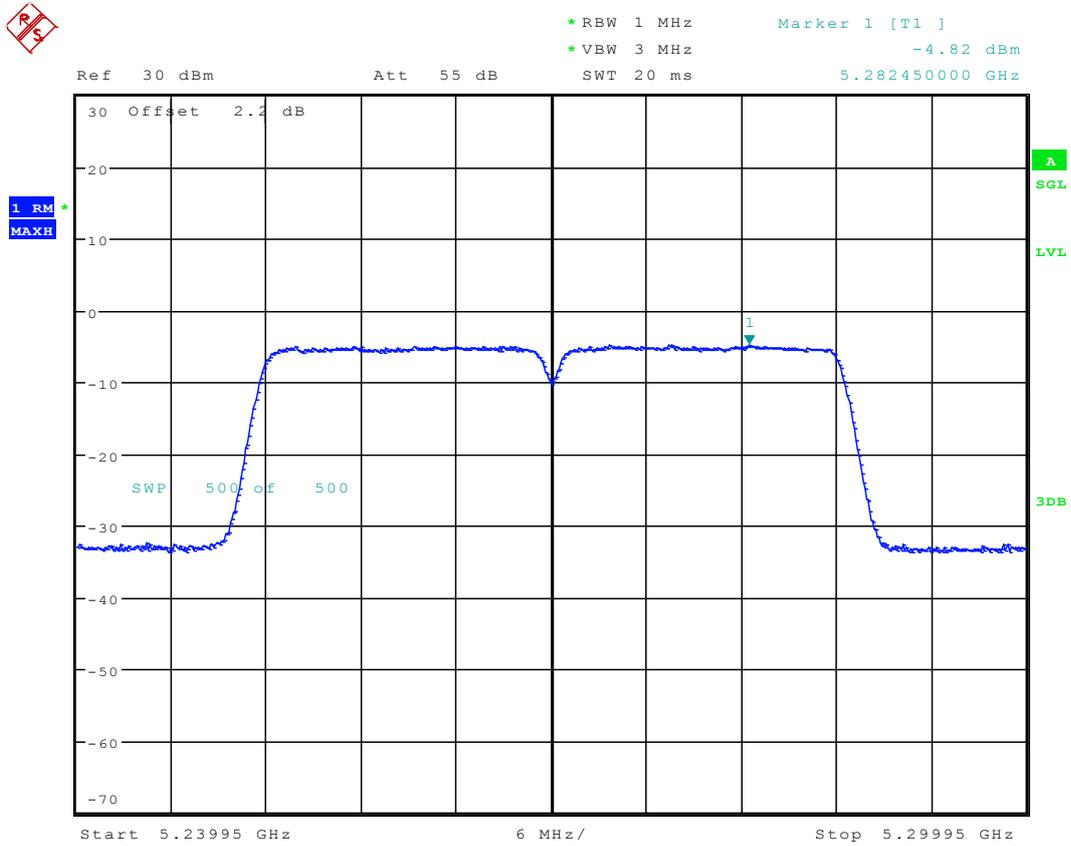
Date: 3.DEC.2016 16:29:29

6.115 11AC40M_54 Ant 1
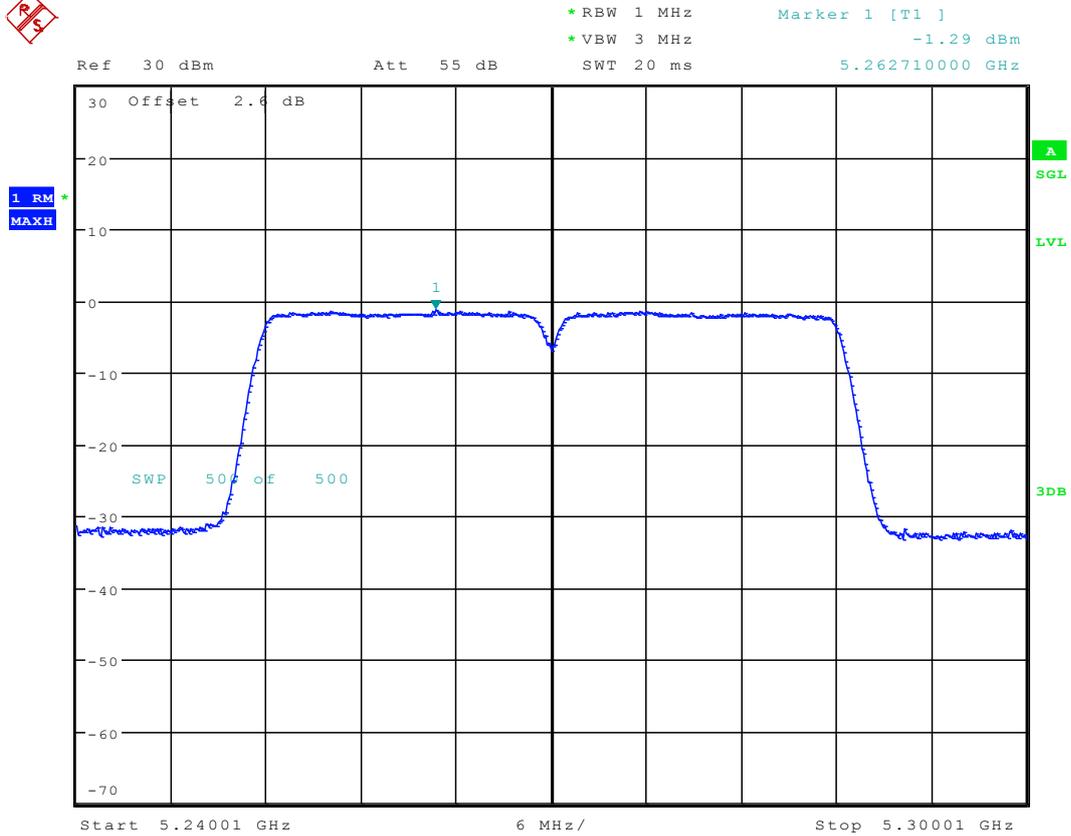
Date: 8.DEC.2016 14:48:25

6.116 11AC40M_54 Ant 2
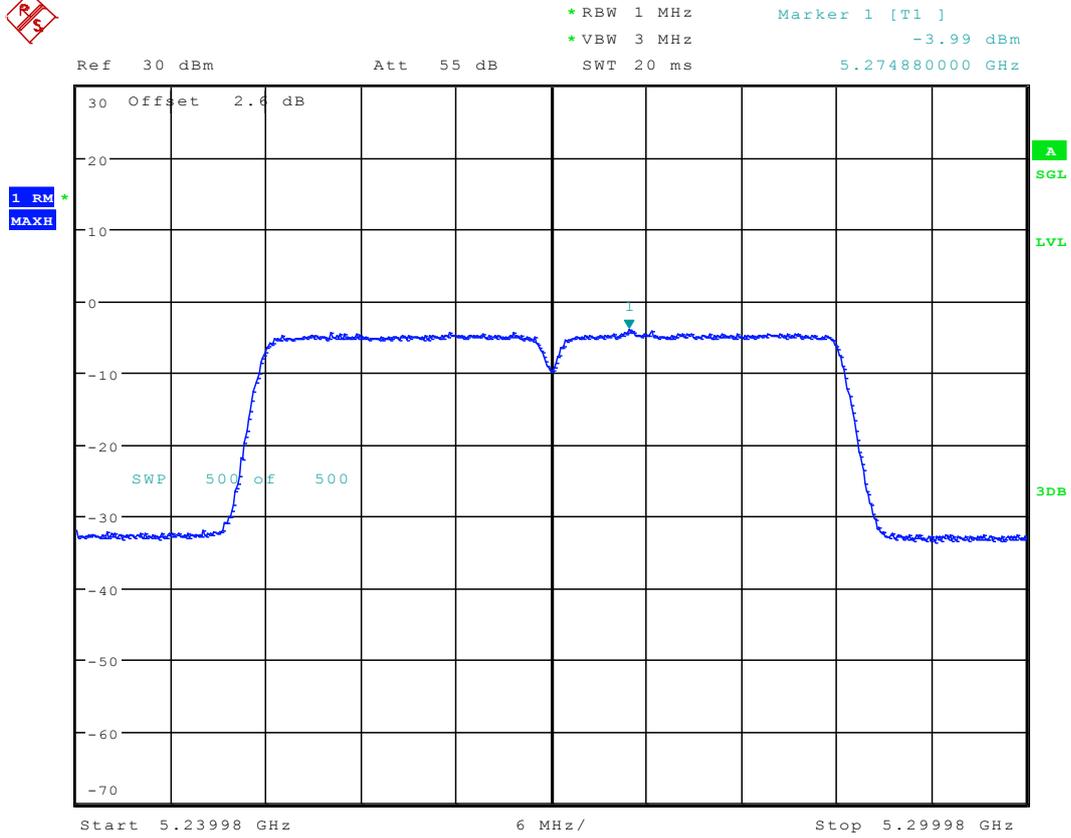
Date: 10.DEC.2016 10:08:19

6.117 11AC40_62 Ant 1
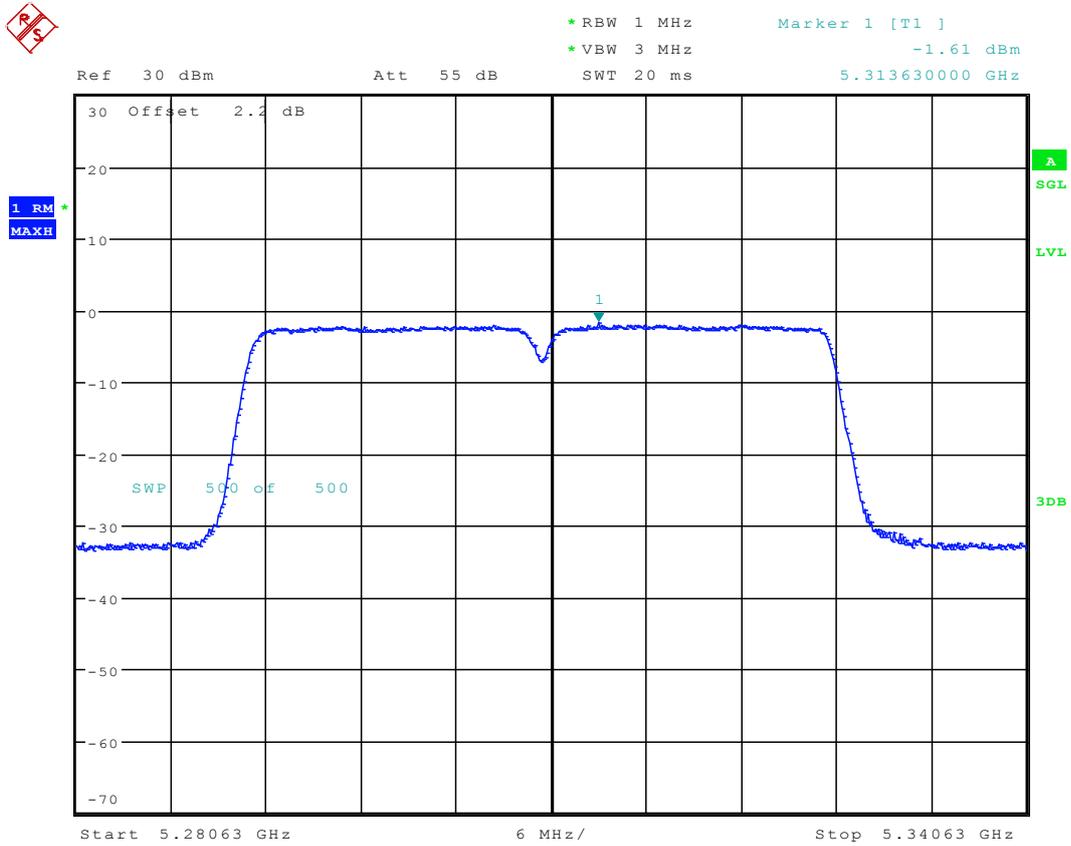
Date: 30.NOV.2016 18:38:10

6.118 11AC40_62 Ant 2


```
        *RBW  1 MHz          Marker 1 [T1 ]
        *VBW  3 MHz                  -4.82 dBm
Ref  30 dBm        Att  55 dB   SWT 20 ms      5.317510000 GHz

30  Offset  2.2 dB
```
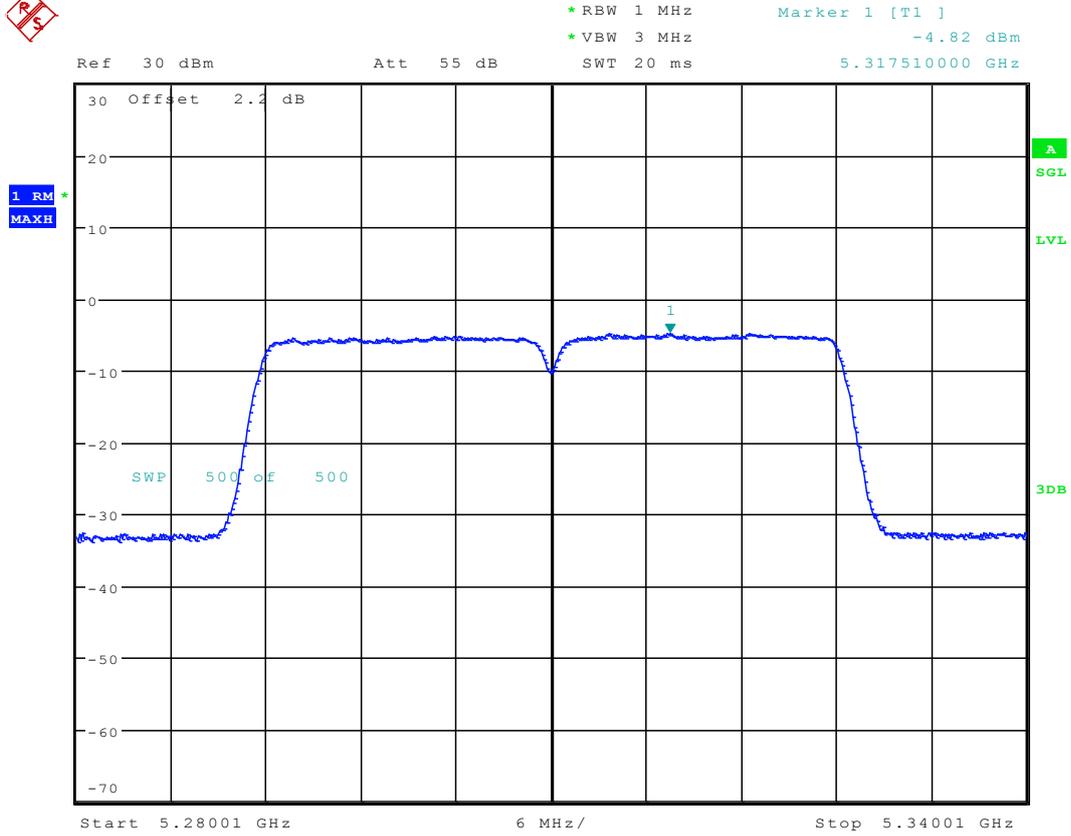
Date: 3.DEC.2016 16:35:25

6.119 11AC40M_62 Ant 1


```
                                    *RBW  1 MHz      Marker 1 [T1 ]
                                    *VBW  3 MHz                -0.97 dBm
        Ref   30 dBm        Att  55 dB    SWT 20 ms    5.313870000 GHz
```
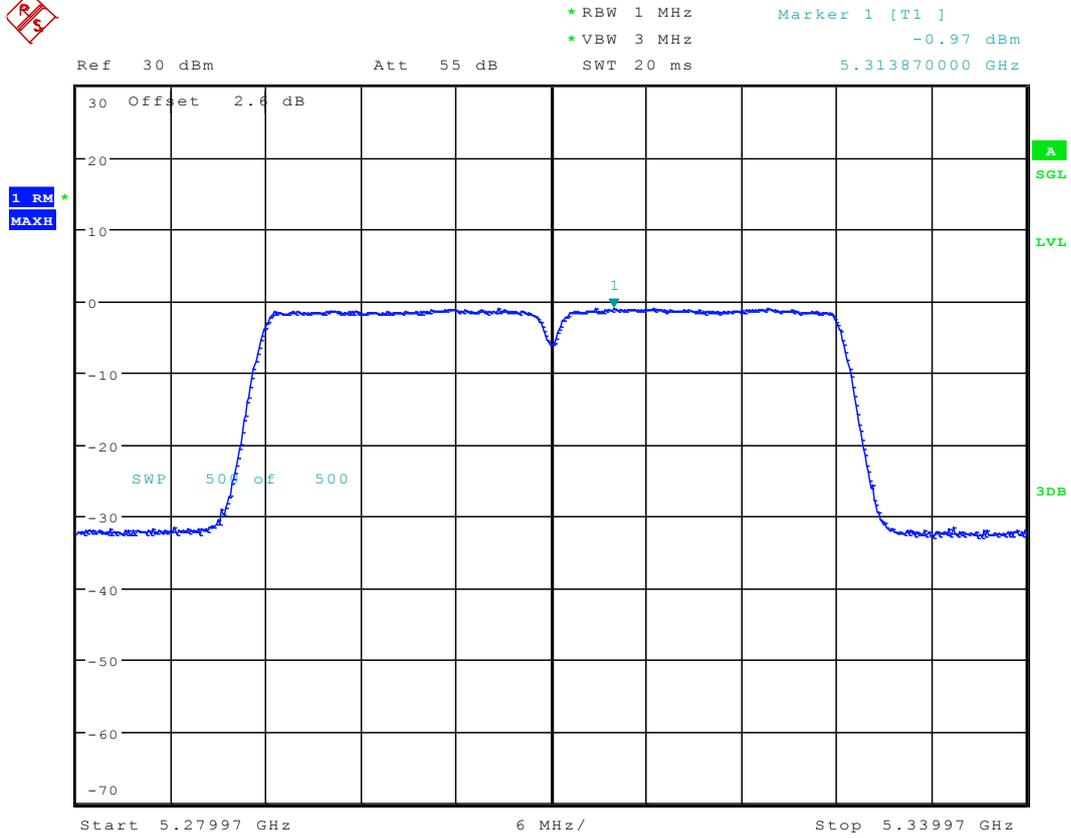
Date: 8.DEC.2016 14:53:16

6.120 11AC40M_62 Ant 2


```
                                          *RBW  1 MHz        Marker 1 [T1 ]
                                          *VBW  3 MHz                    -4.08 dBm
        Ref   30 dBm          Att  55 dB   SWT 20 ms        5.315900000 GHz
```
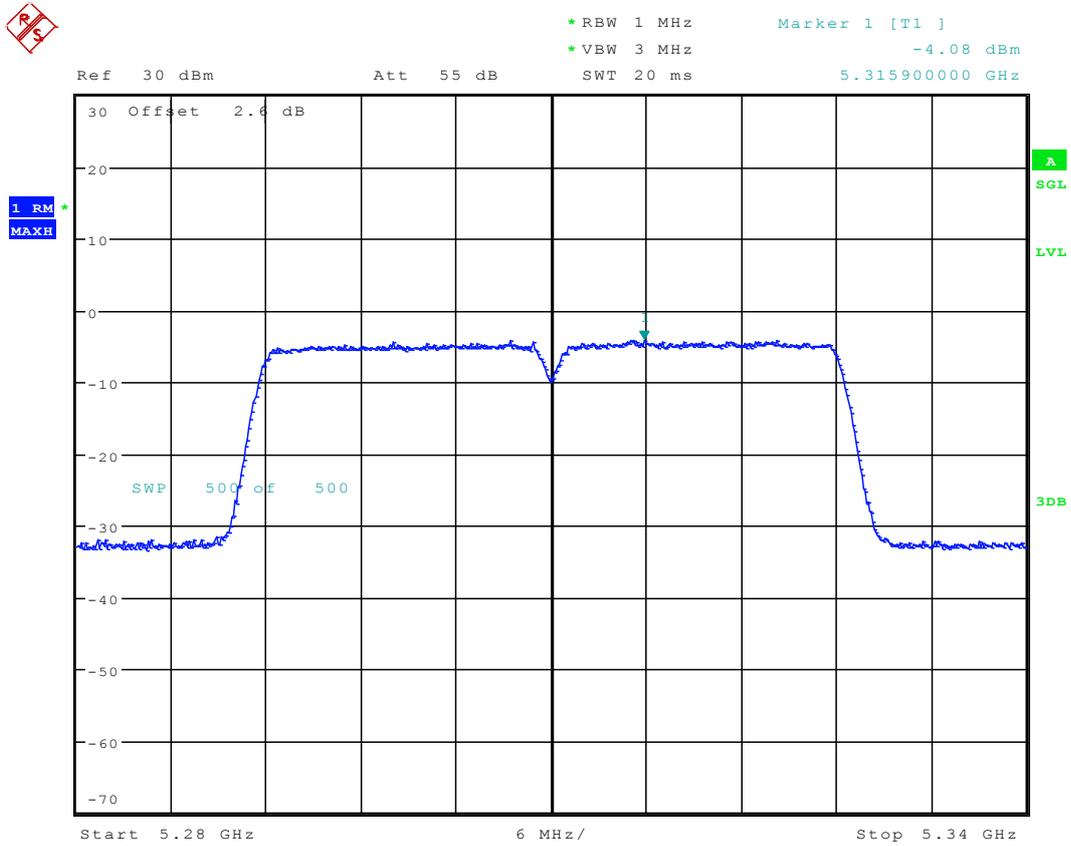
Date: 10.DEC.2016 10:14:02

6.121 11AC40_102 Ant 1
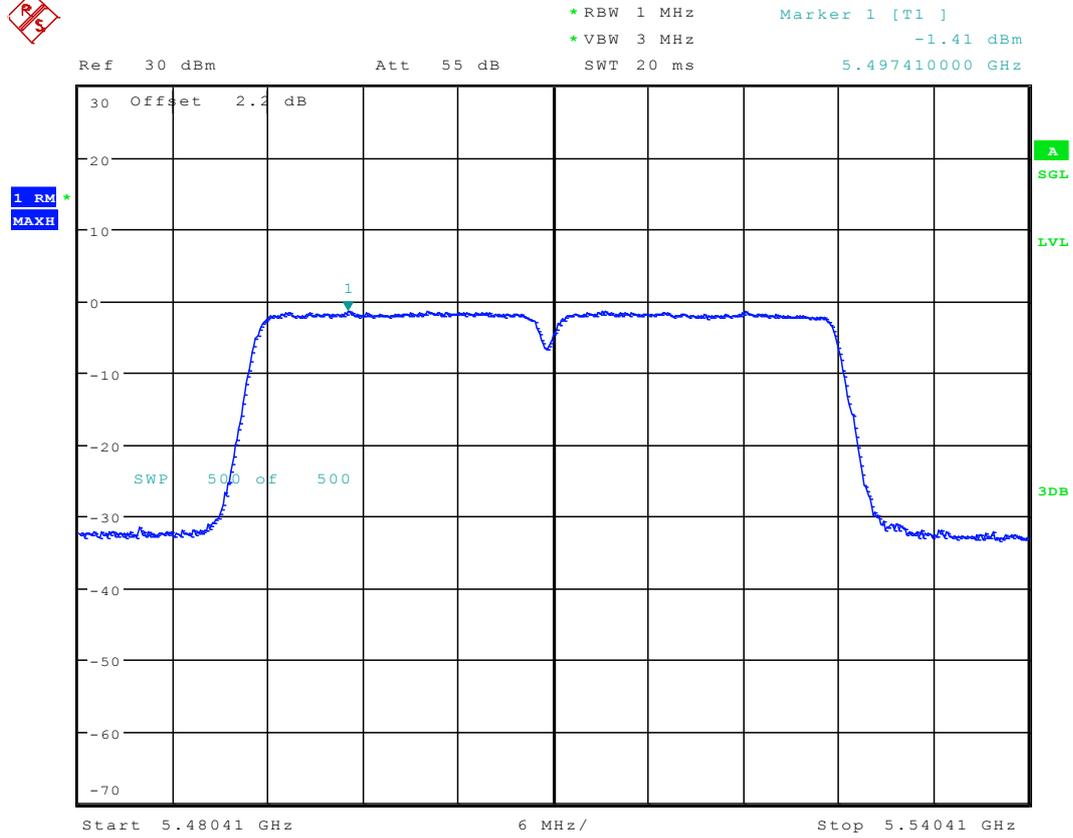
Date: 30.NOV.2016 18:44:01

6.123 11AC40M_102 Ant 1


```
                                              * RBW  1 MHz        Marker 1 [T1 ]
                                              * VBW  3 MHz                    -1.00 dBm
            Ref  30 dBm              Att  55 dB    SWT 20 ms       5.502660000 GHz

            30  Offset   2.6 dB                                                        A
                                                                                      SGL
              20
                                                                                      LVL
     1 RM *    10
     MAXH
               0                                     1

             -10

             -20
                  SWP   500 of   500                                                  3DB
             -30

             -40

             -50

             -60

             -70
            Start 5.47996 GHz              6 MHz/              Stop  5.53996 GHz
```
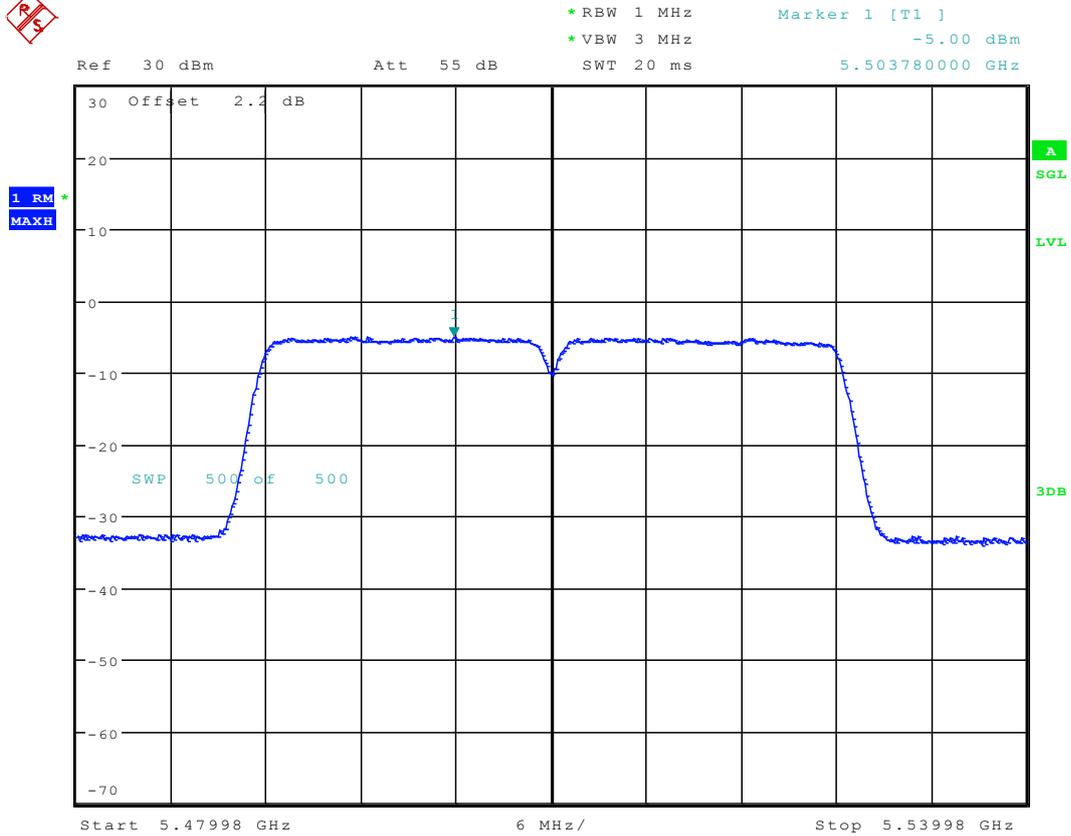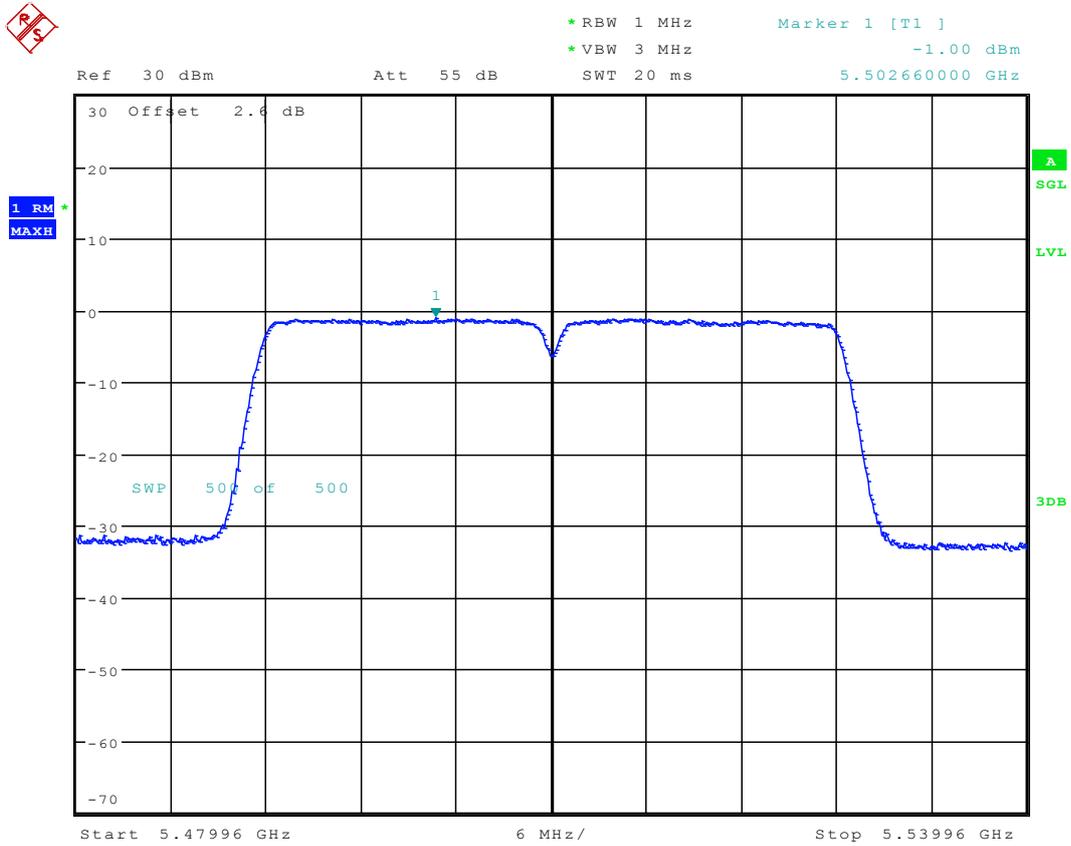
Date: 8.DEC.2016 14:58:24

6.124 11AC40M_102 Ant 2


```
                                      *RBW  1 MHz       Marker 1 [T1 ]
                                      *VBW  3 MHz                    -3.94 dBm
         Ref   30 dBm          Att  55 dB    SWT  20 ms       5.514970000 GHz
```
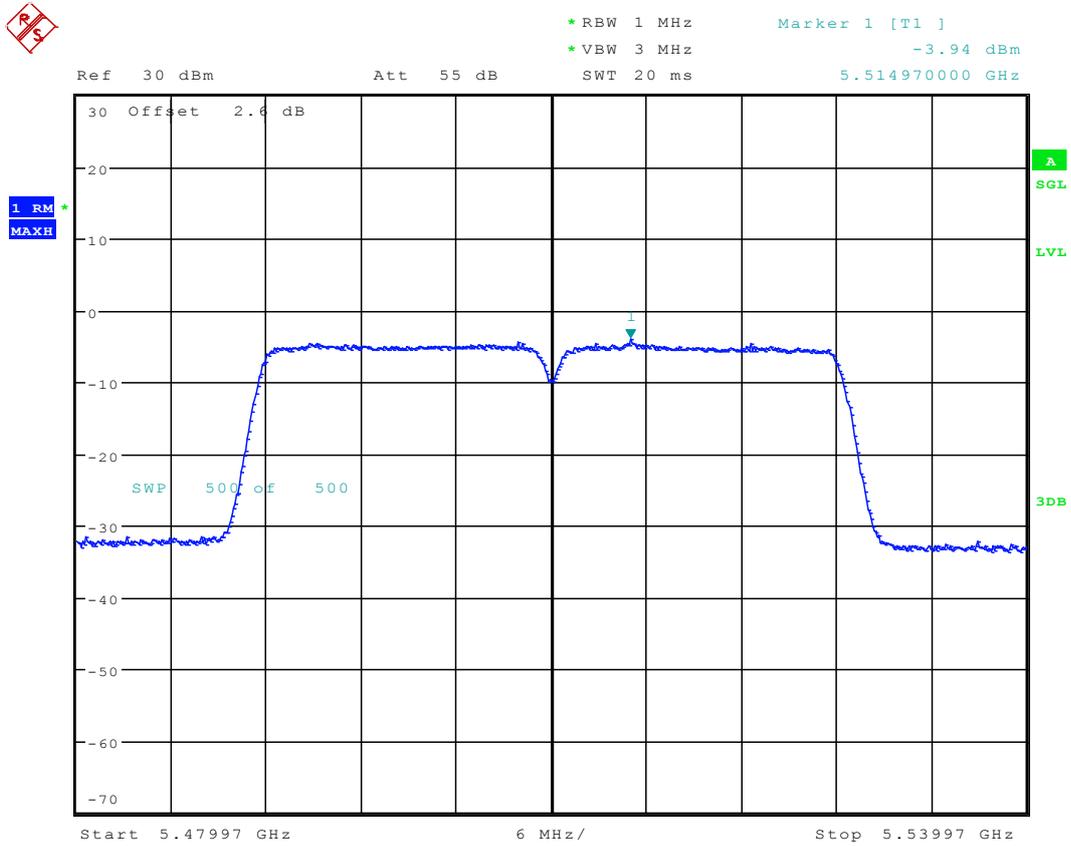
Date: 10.DEC.2016 10:26:27

6.125 11AC40_134 Ant 1


```
                                          *RBW  1 MHz      Marker 1 [T1 ]
                                          *VBW  3 MHz                    -1.90 dBm
              Ref  30 dBm          Att  55 dB    SWT 20 ms      5.682690000 GHz

               30  Offset  2.2 dB
                                                                              A
                20                                                           SGL

       1 RM *
       MAXH    10                                                           LVL

                 0                                          1

               -10

               -20
                    SWP   500 of   500
               -30                                                          3DB

               -40

               -50

               -60

               -70
              Start  5.64039 GHz           6 MHz/         Stop  5.70039 GHz
```
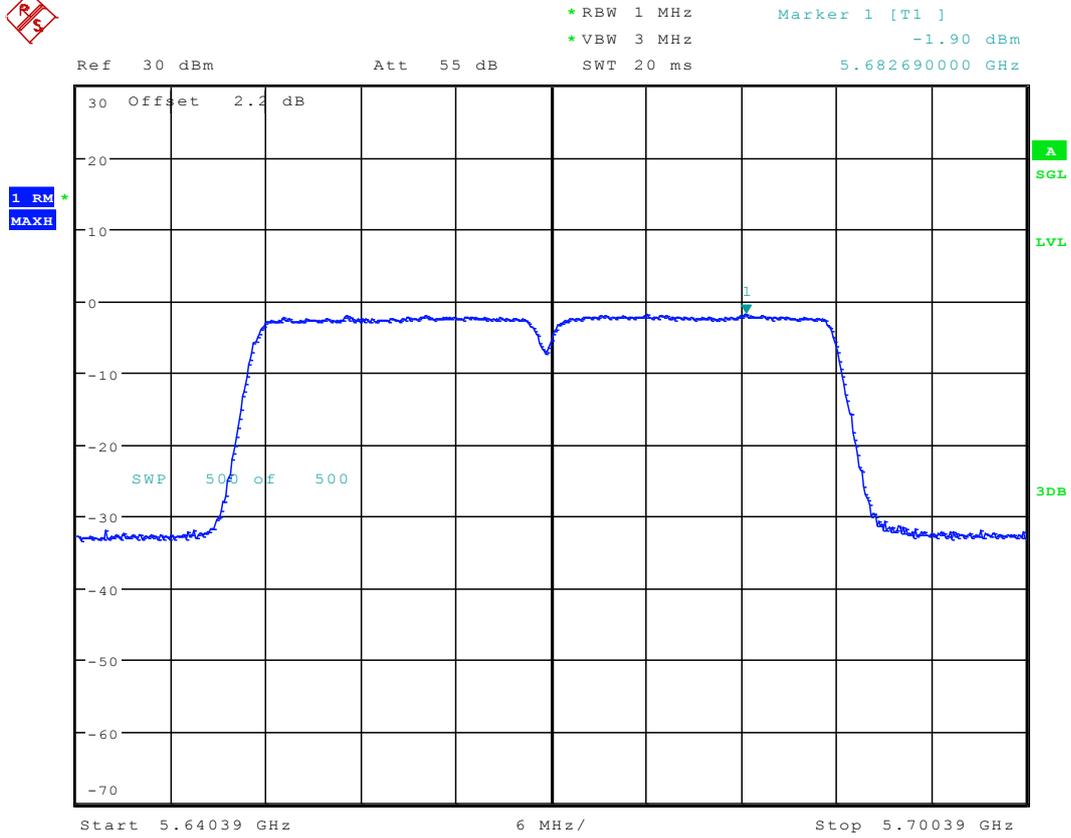
Date: 30.NOV.2016 18:47:37

6.126 11AC40_134 Ant 2
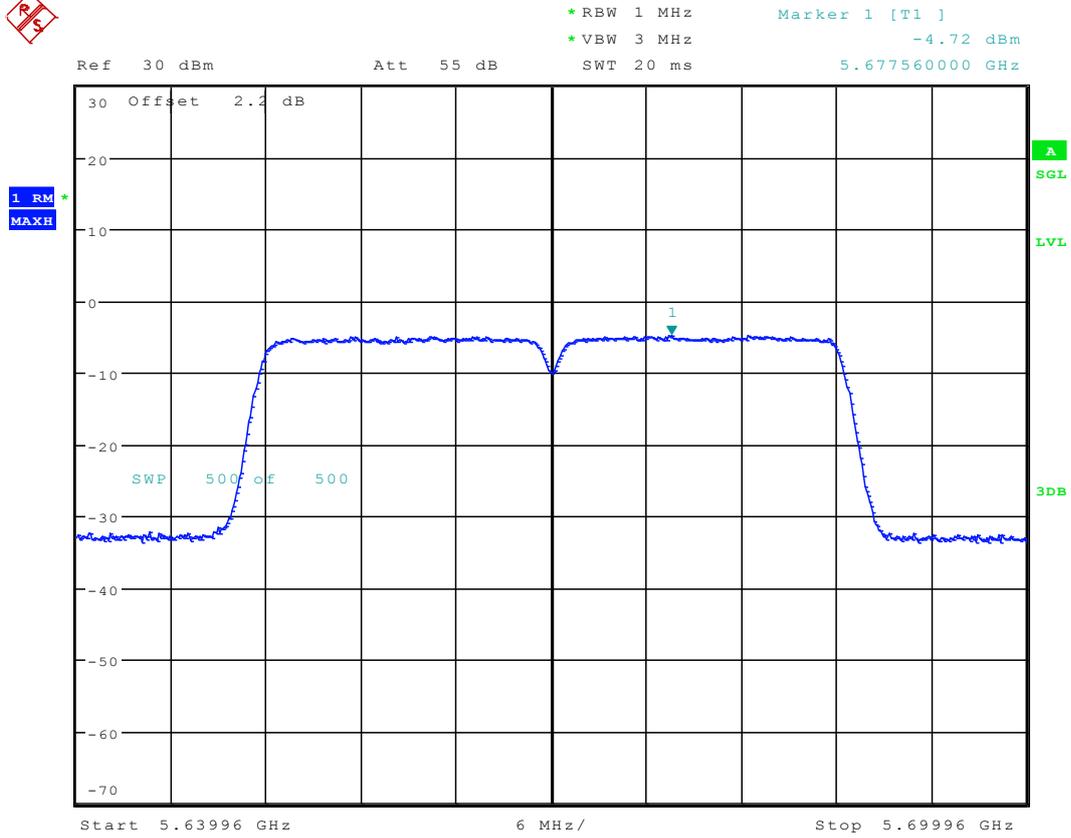
Date: 3.DEC.2016 16:45:13

6.127 11AC40M_134 Ant 1
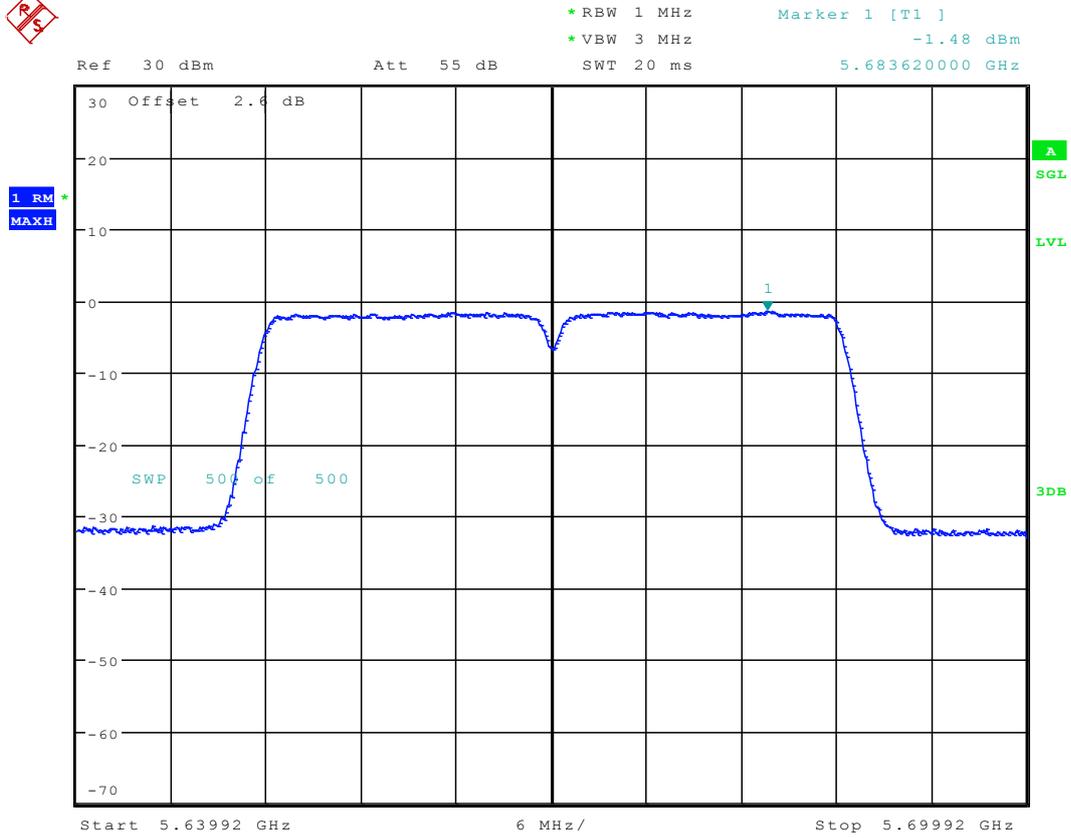
Date: 8.DEC.2016 15:01:54

6.128 11AC40M_134 Ant 2
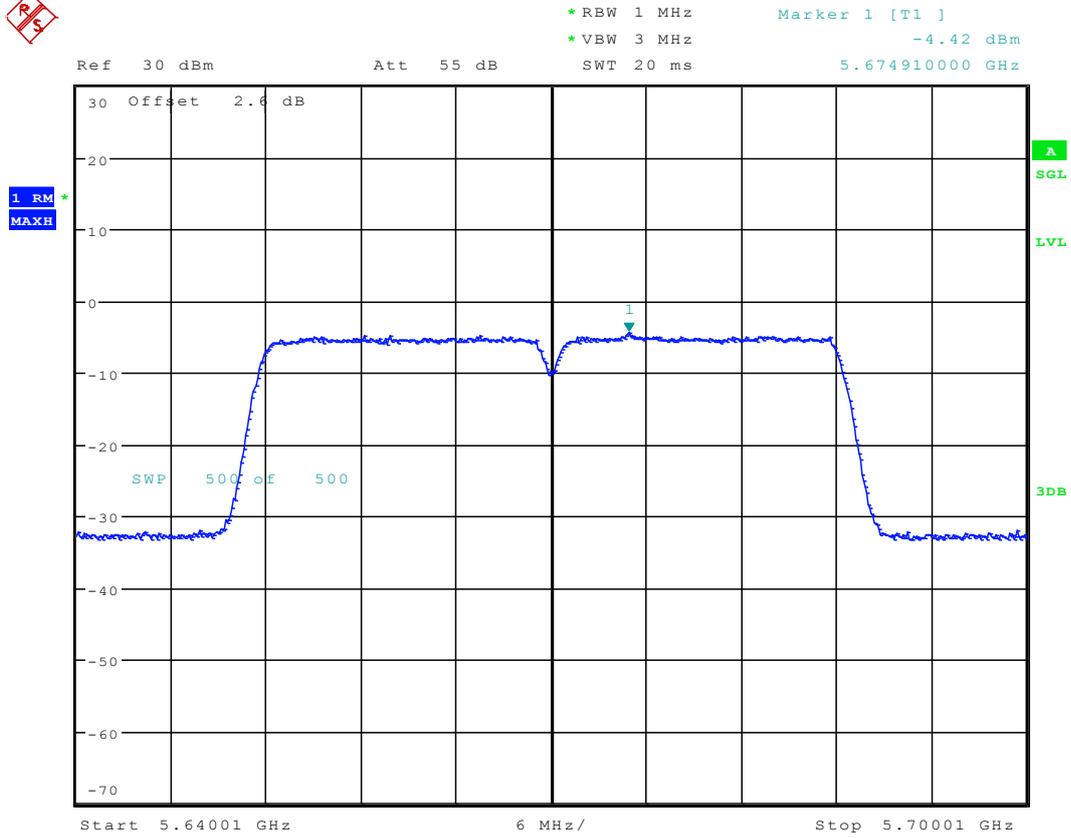
Date: 10.DEC.2016 10:30:22

6.129 11AC40_151 Ant 1
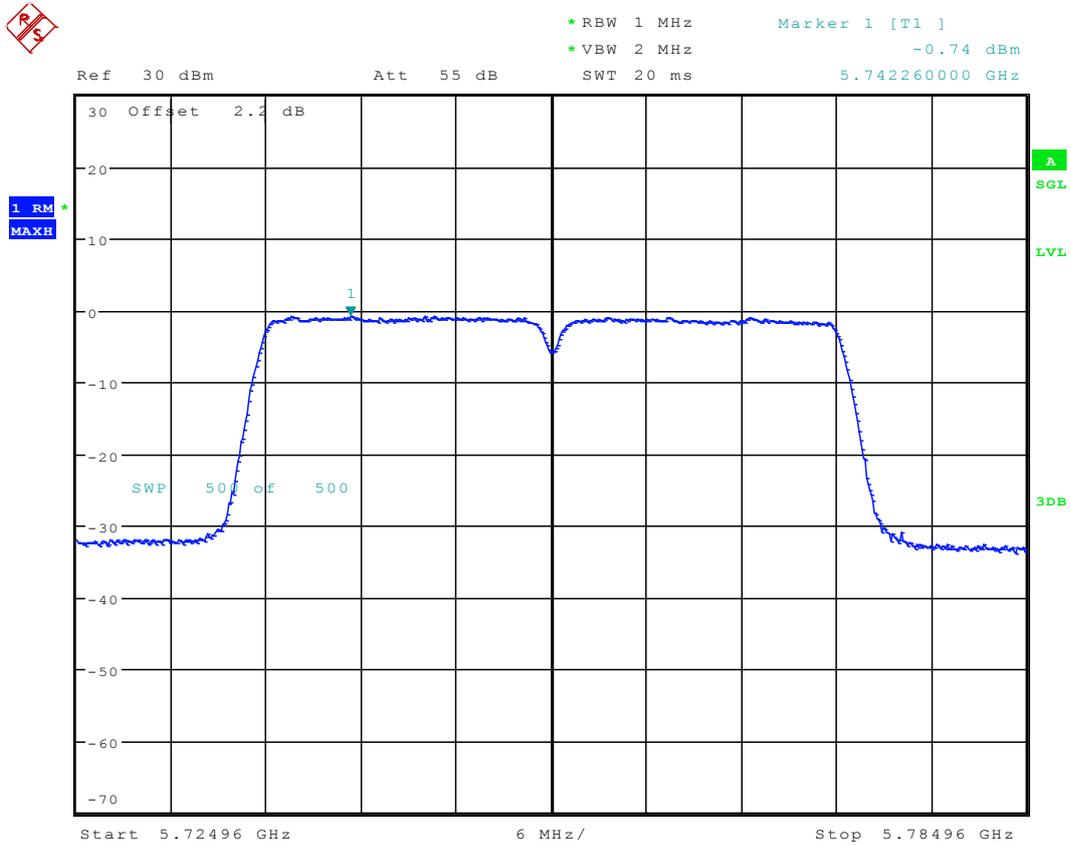
6.130 11AC40_151 Ant 2
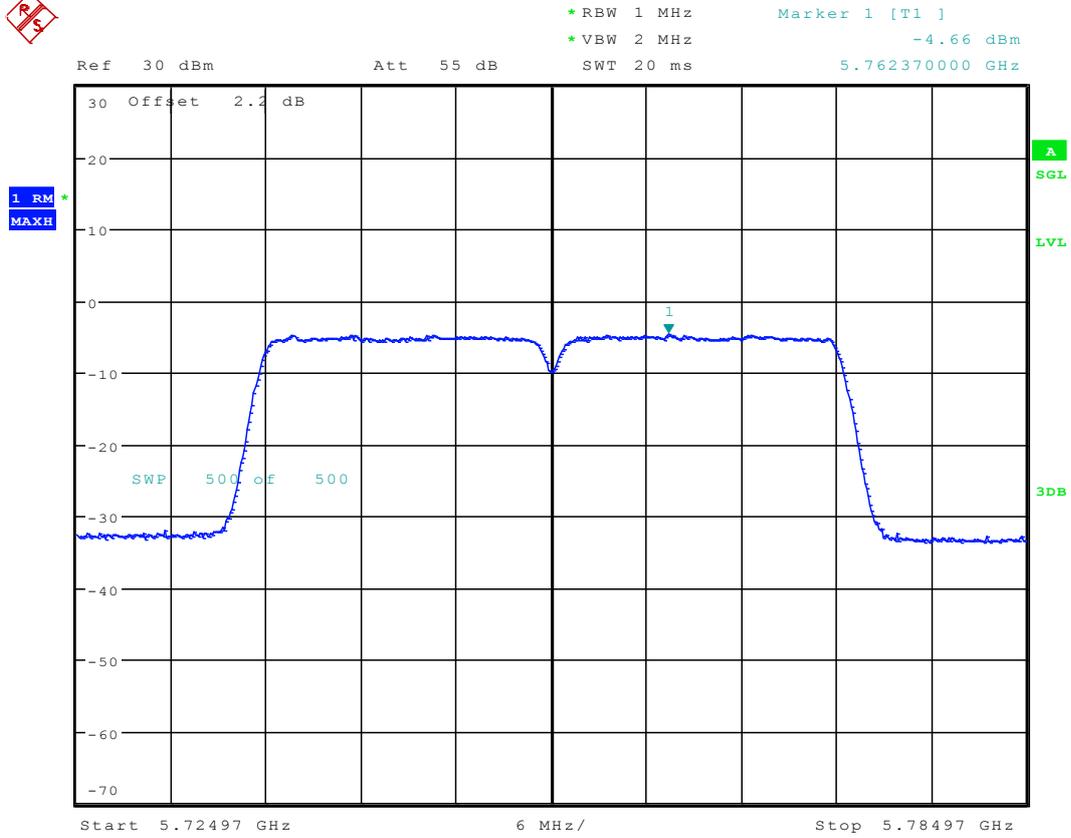
Date: 3.DEC.2016 16:53:25

6.131 11AC40M_151 Ant 1


```
* RBW  1 MHz        Marker 1 [T1 ]
* VBW  2 MHz                   -0.09 dBm
Ref  30 dBm          Att  55 dB    SWT 20 ms    5.738650000 GHz
```
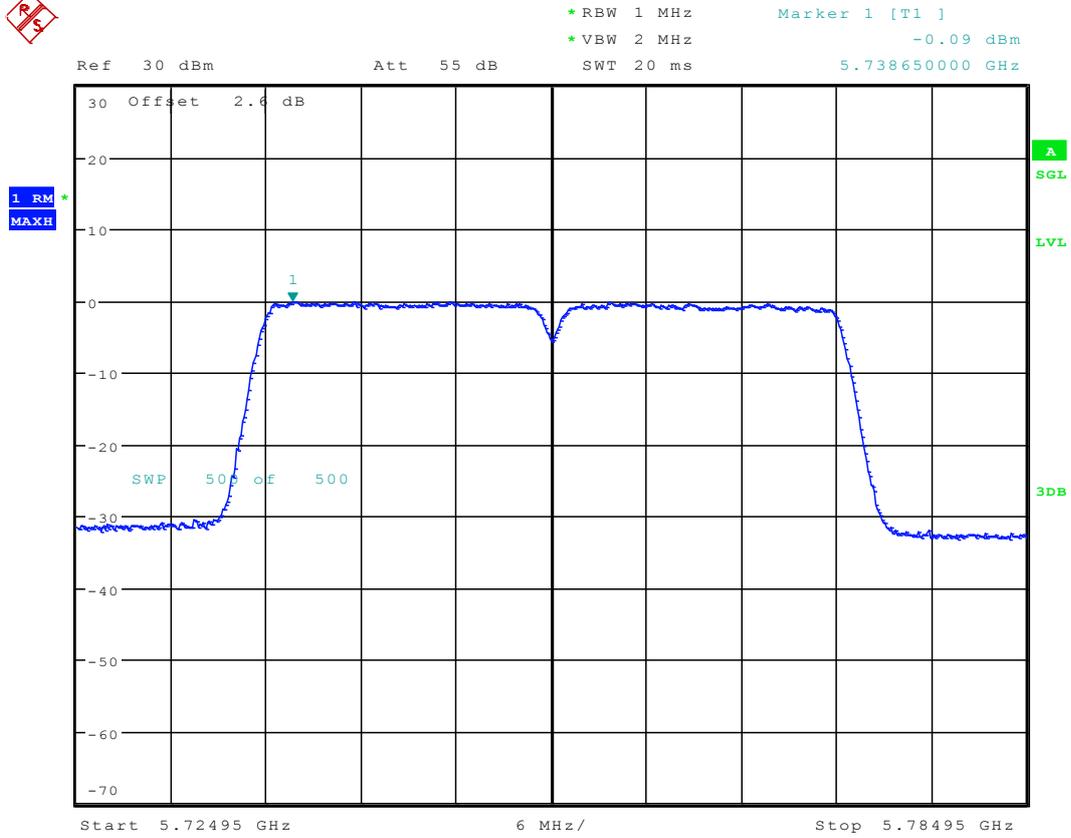
Date: 8.DEC.2016 15:06:12

6.132 11AC40M_151 Ant 2


```
                              * RBW  1 MHz      Marker 1 [T1 ]
                              * VBW  2 MHz              -3.97 dBm
   Ref  30 dBm        Att  55 dB   SWT 20 ms    5.759860000 GHz
```
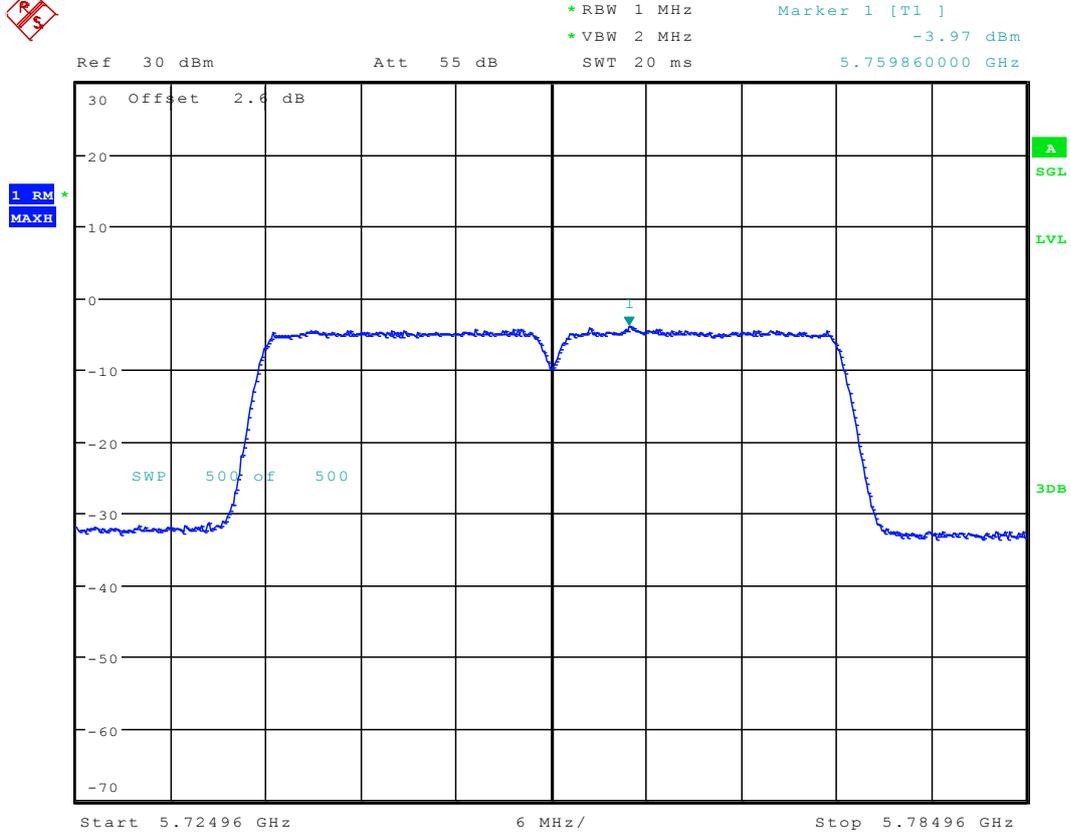
Date: 10.DEC.2016 10:34:25

6.133 11AC40_159 Ant 1


```
                                    * RBW  1 MHz       Marker 1 [T1 ]
                                    * VBW  2 MHz              -0.83 dBm
         Ref  30 dBm        Att  55 dB    SWT 20 ms     5.782450000 GHz
```
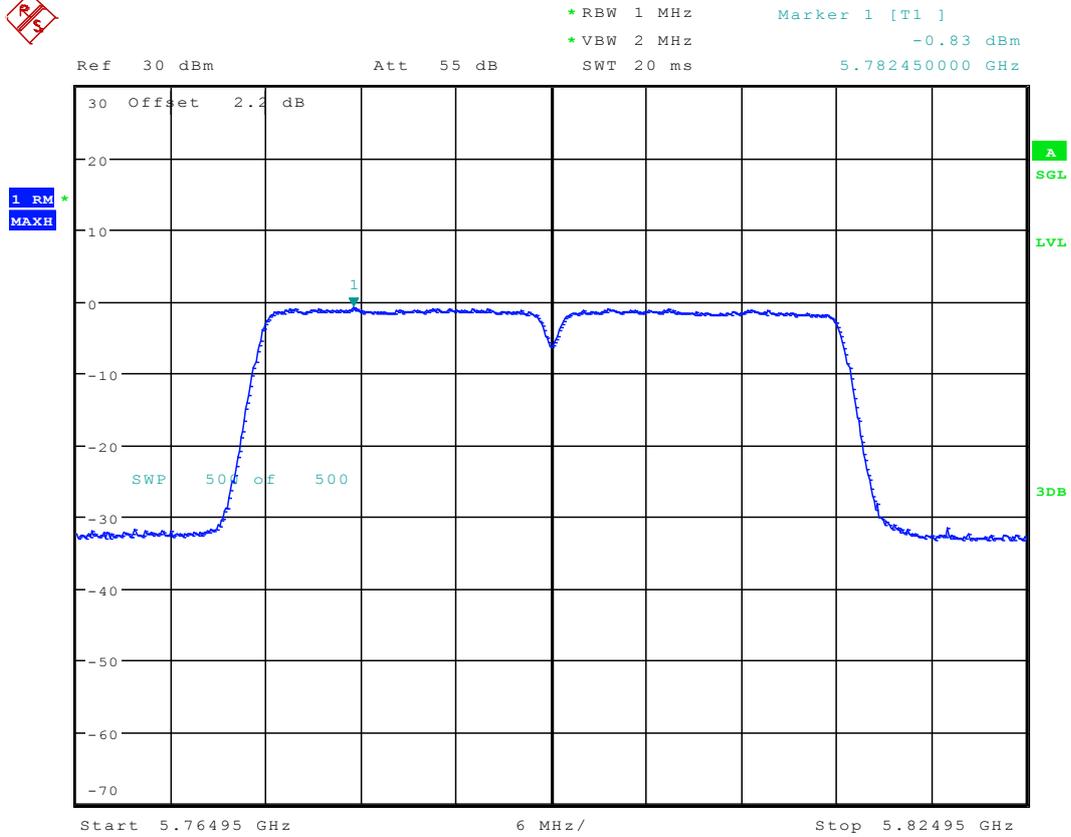
Date: 30.NOV.2016 18:57:06

6.134 11AC40_159 Ant 2
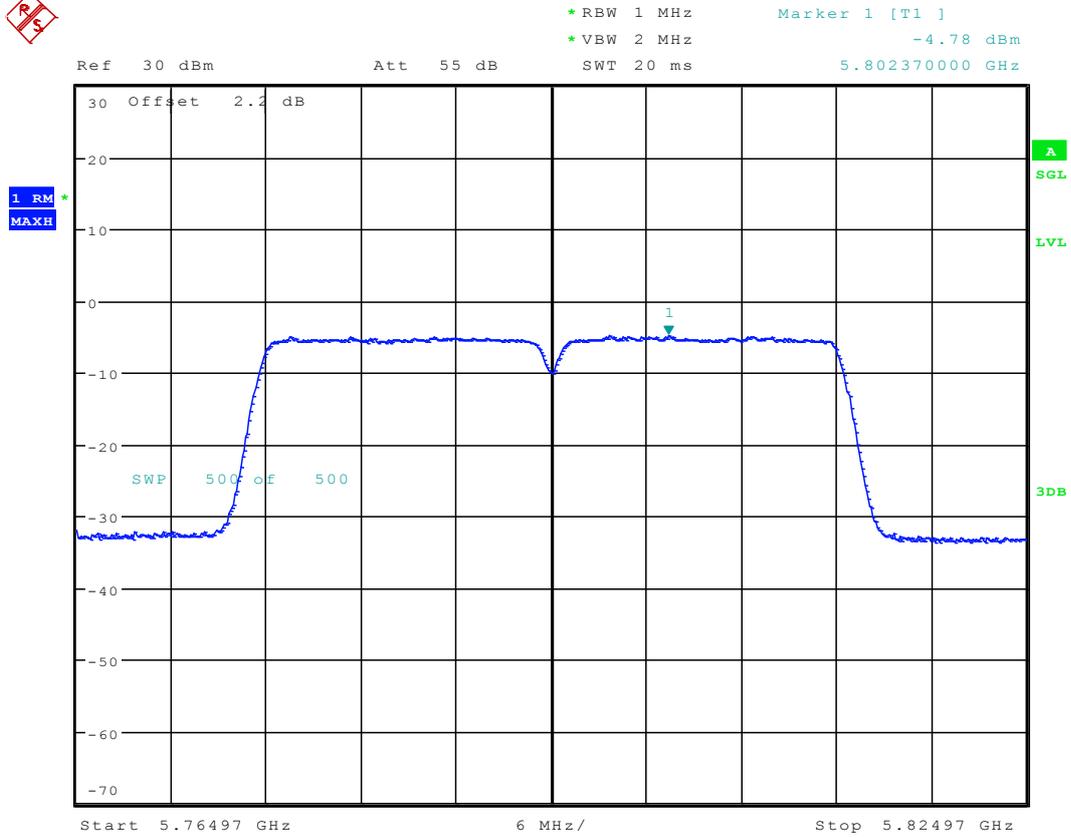
Date: 3.DEC.2016 16:59:39

6.135 11AC40M_159 Ant 1
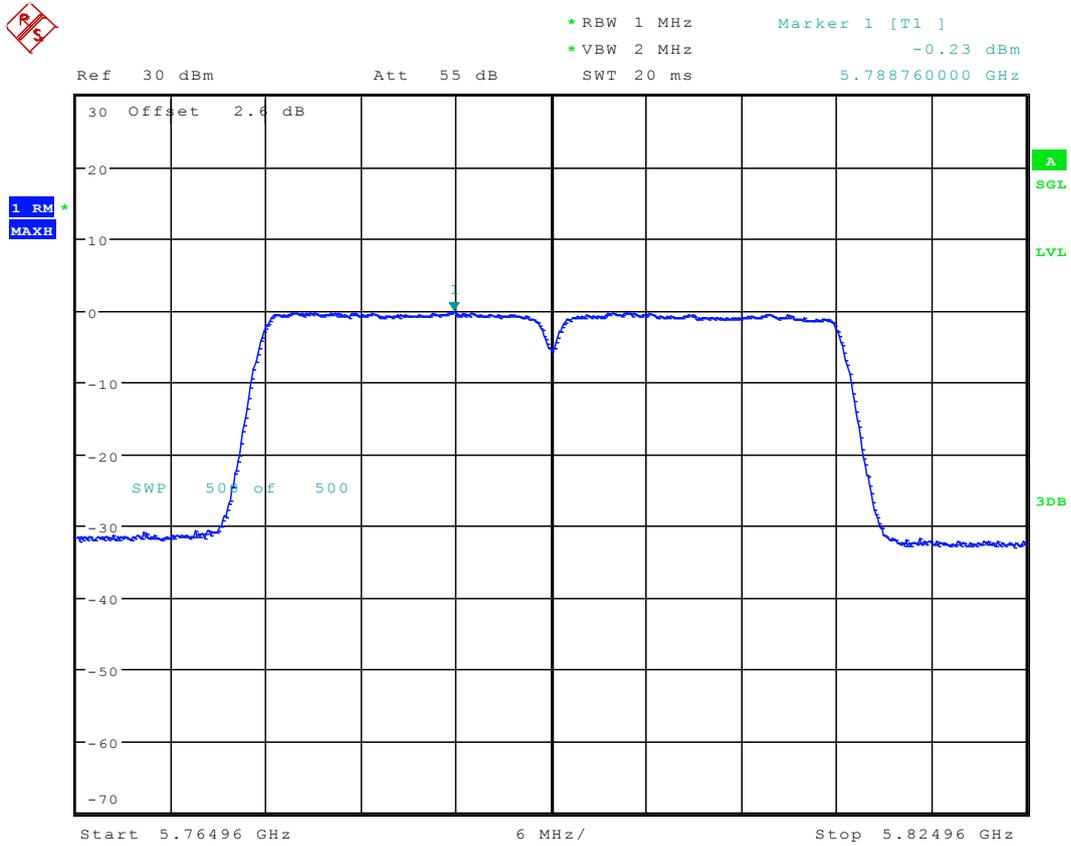
Date: 8.DEC.2016 15:12:05

6.136 11AC40M_159 Ant 2
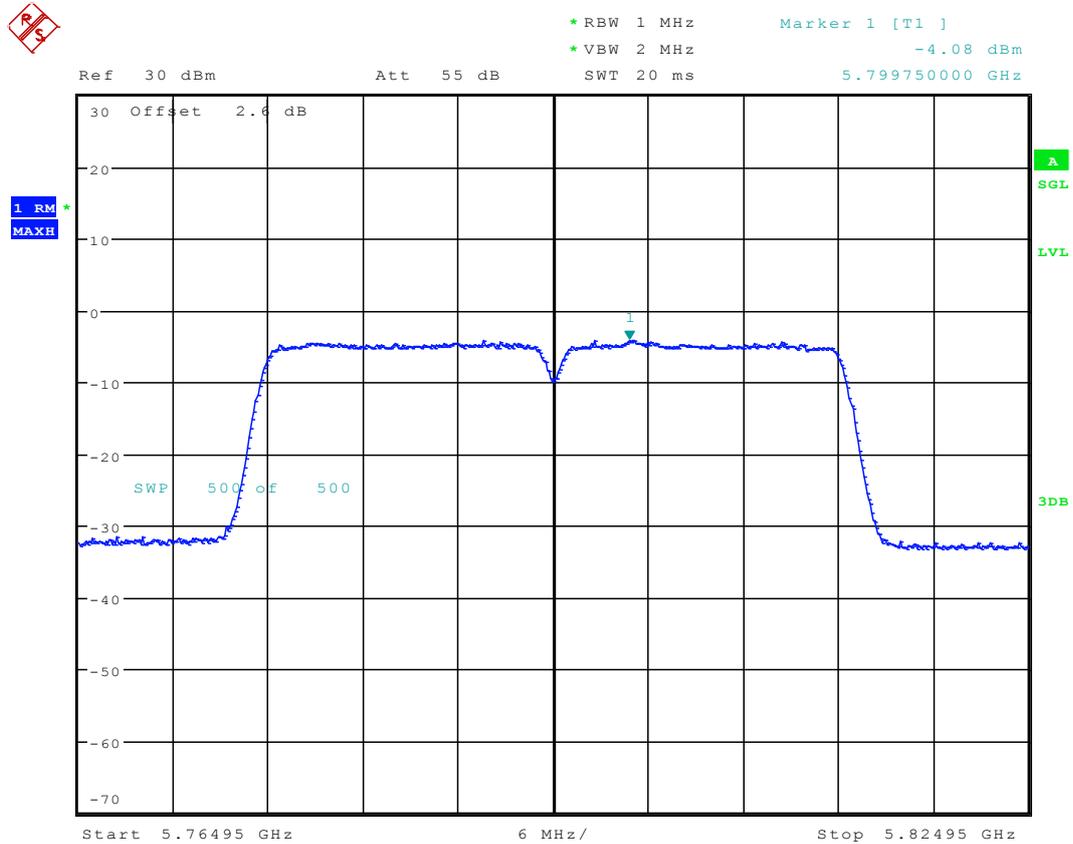
Date: 10.DEC.2016 10:40:38

6.137 11AC80_42 Ant 1


```
                                    * RBW  1 MHz        Marker 1 [T1 ]
                                    * VBW  3 MHz                   -3.86 dBm
    Ref  30 dBm           Att  55 dB   SWT 20 ms        5.222600000 GHz
    30  Offset  2.7 dB                                                    A
                                                                        SGL
 1 RM *
 MAXH                                                                   LVL

                                                                        3DB

    SWP    500 of    500

    Start  5.15 GHz              12 MHz/            Stop  5.27 GHz
```
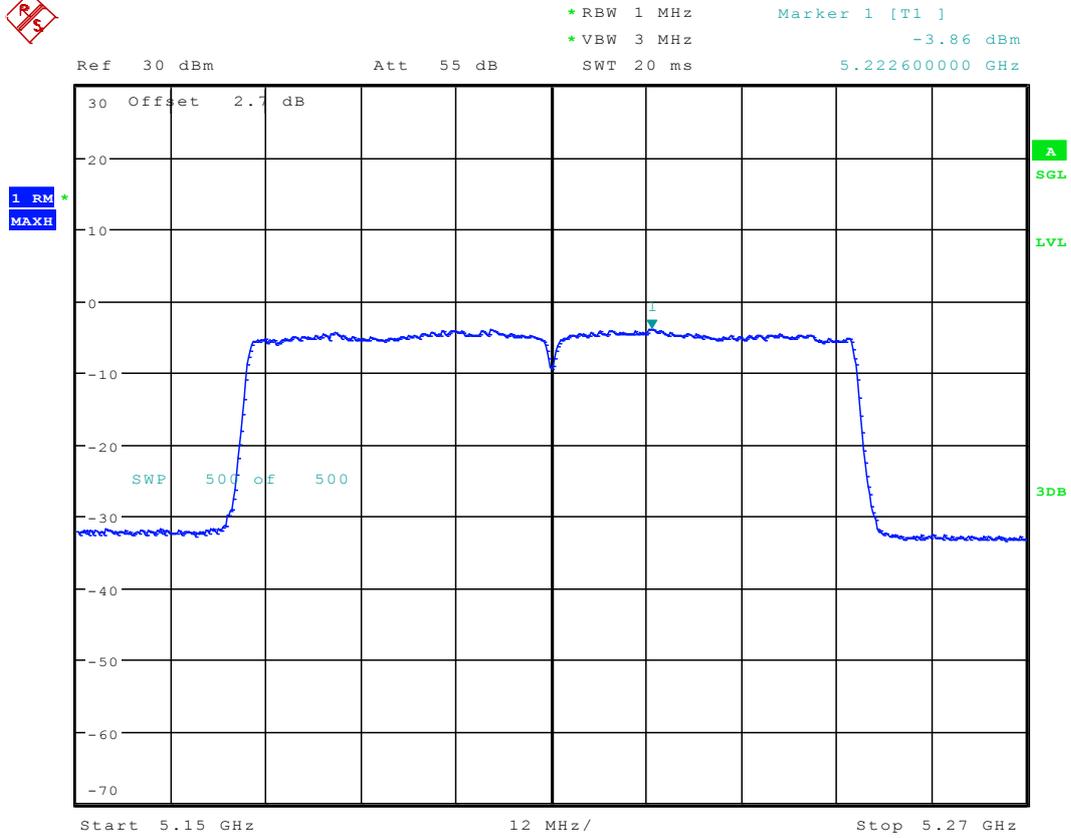
Date: 30.NOV.2016 19:05:12

6.138 11AC80_42 Ant 2

```
*RBW  1 MHz              Marker 1 [T1 ]
*VBW  3 MHz                      -6.80 dBm
Ref  30 dBm            Att  55 dB    SWT 20 ms        5.222680000 GHz

30  Offset   2.8  dB                                    A
20                                                      SGL
1 RM *
MAXH                                                    LVL
10
0
                                                    1
-10
-20
SWP  500 of  500                                        3DB
-30
-40
-50
-60
-70
Start 5.15008 GHz            12 MHz/          Stop  5.27008 GHz
```
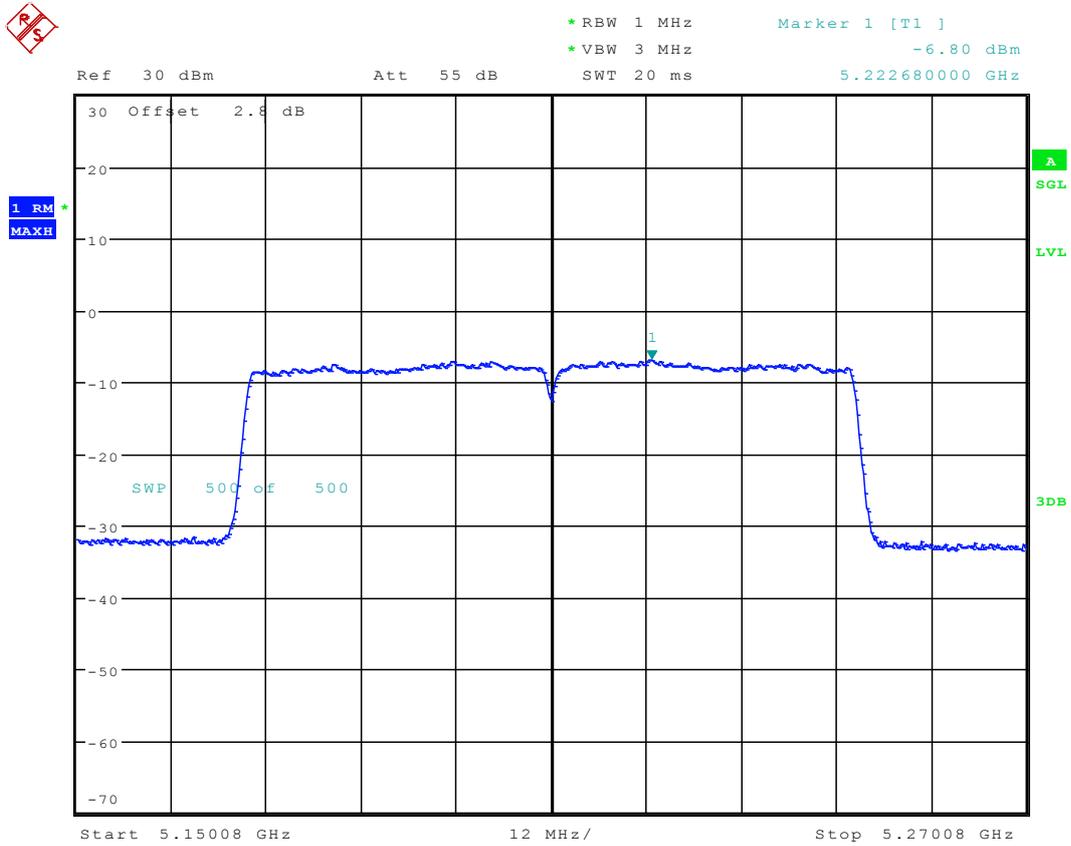
Date: 3.DEC.2016 17:15:44

6.139 11AC80M_42 Ant 1
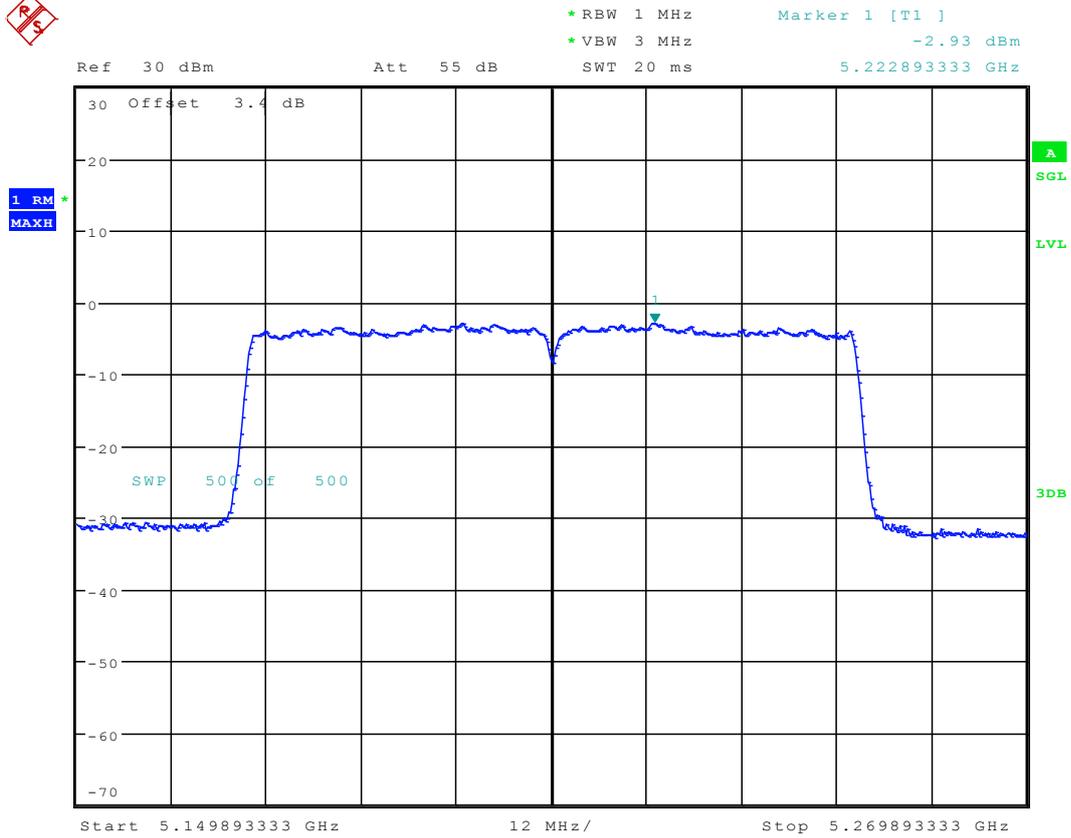
Date: 8.DEC.2016 15:20:14

6.140 11AC80M_42 Ant 2


```
                                              * RBW 1 MHz        Marker 1 [T1 ]
                                              * VBW 3 MHz                  -6.96 dBm
         Ref  30 dBm              Att  55 dB   SWT 20 ms         5.221346667 GHz

          30  Offset  2.6 dB                                                        A
                                                                                    SGL
           20

   1 RM
   MAXH    10                                                                       LVL

            0

          -10

          -20
               SWP  500 of  500
          -30                                                                       3DB

          -40

          -50

          -60

          -70
          Start 5.149946667 GHz         12 MHz/          Stop 5.269946667 GHz
```
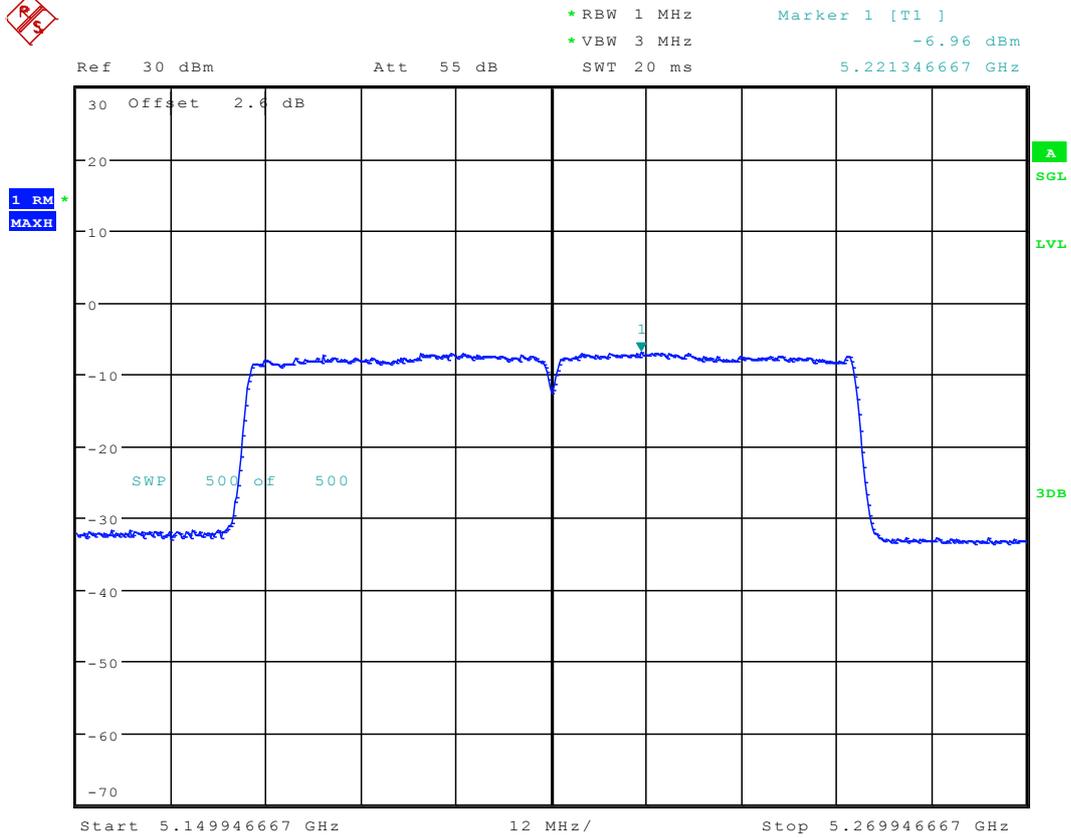
Date: 10.DEC.2016 10:50:46

6.141 11AC80_58 Ant 1
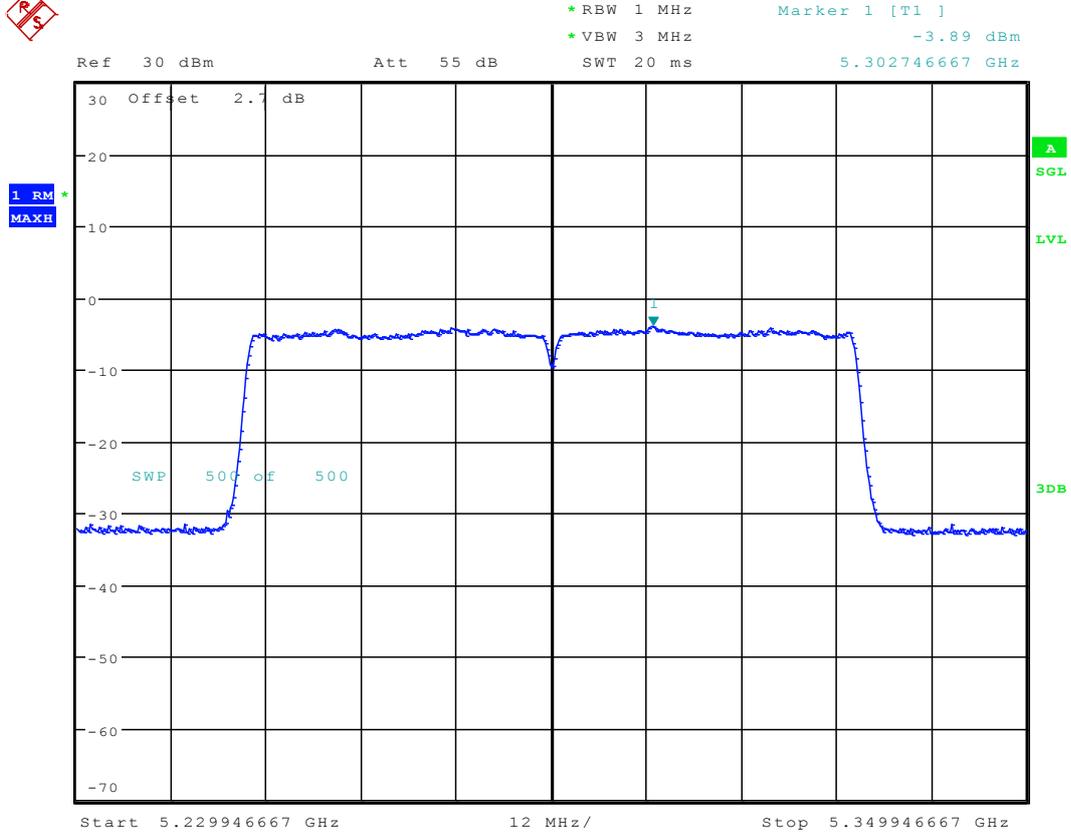
Date: 30.NOV.2016 19:11:31

6.142 11AC80_58 Ant 2
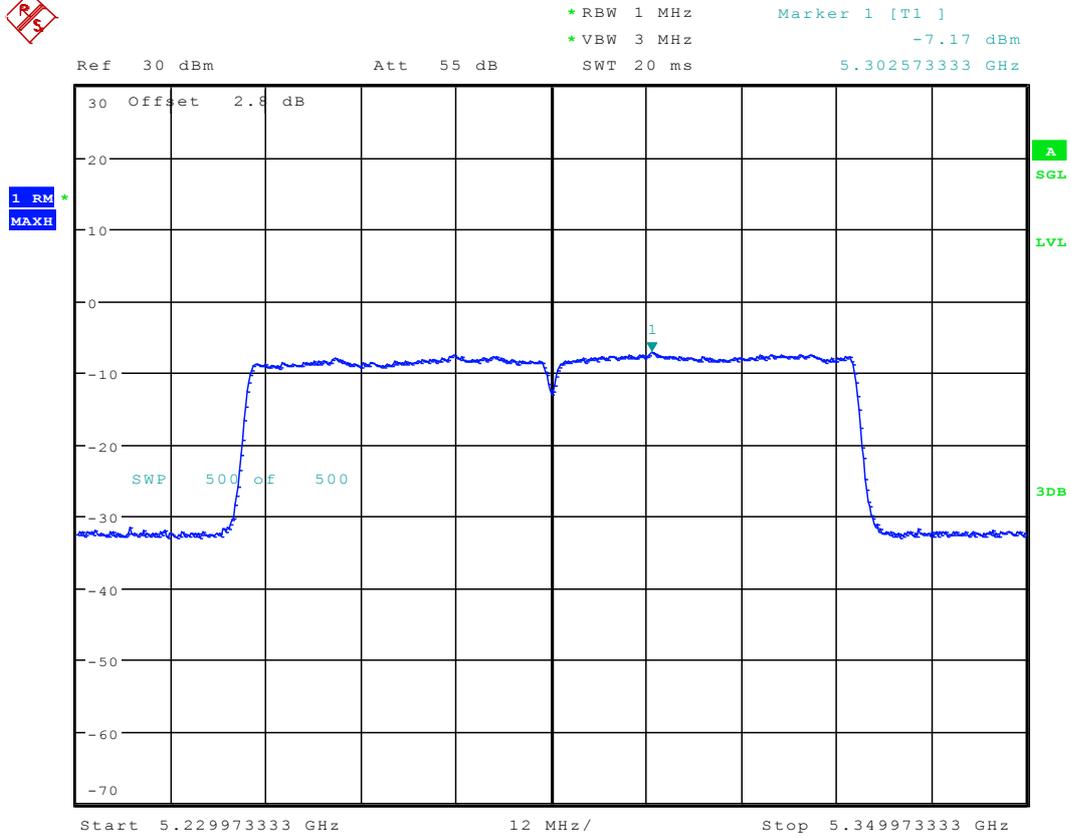
Date: 3.DEC.2016 17:22:59

6.143 11AC80M_58 Ant 1
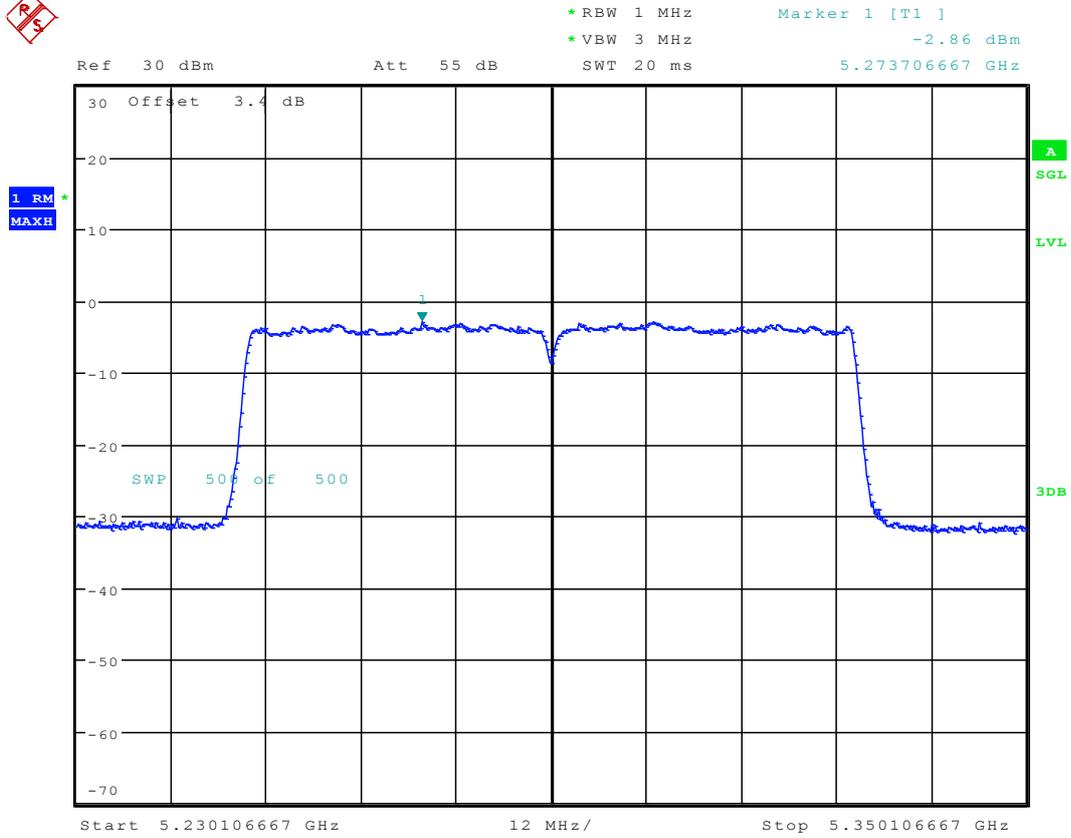
Date: 8.DEC.2016 15:25:37

6.144 11AC80M_58 Ant 2
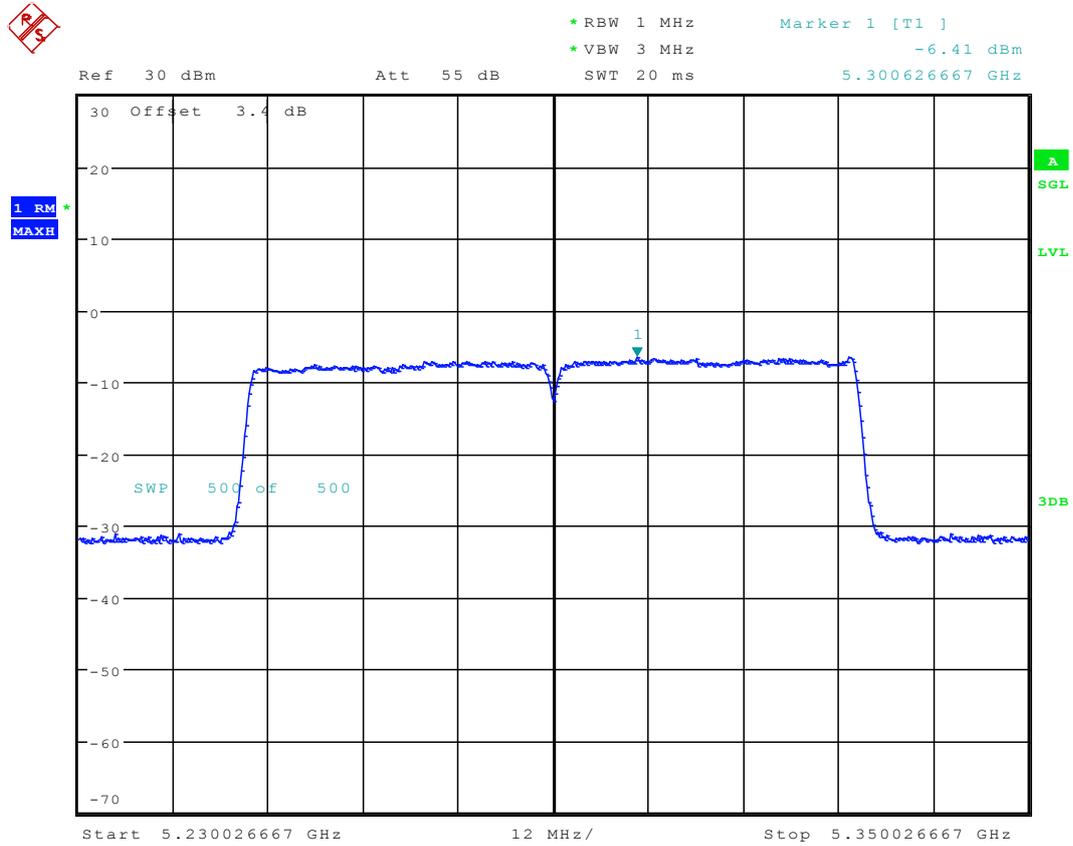
Date: 10.DEC.2016 11:02:04

6.145 11AC80_106 Ant 1
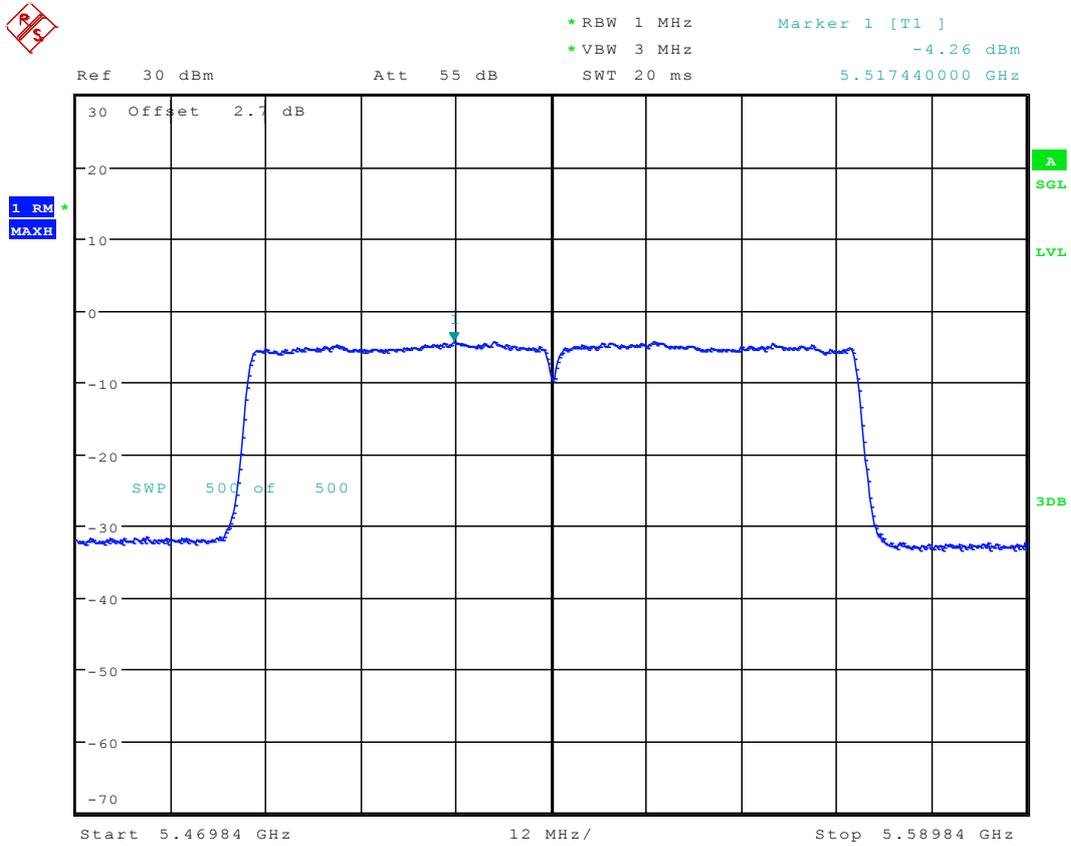
Date: 30.NOV.2016 19:27:36

6.146 11AC80_106 Ant 2

```
                                                        * RBW  1 MHz        Marker 1 [T1 ]
                                                        * VBW  3 MHz                      -7.11 dBm
                Ref  30 dBm                Att  55 dB   SWT  20 ms          5.517520000 GHz

        30  Offset   2.8  dB                                                                          A
        20                                                                                           SGL

  1 RM *
   MAXH  10                                                                                          LVL

         0

       -10

       -20
          SWP   500 of   500
       -30                                                                                           3DB

       -40

       -50

       -60

       -70
        Start  5.46992 GHz                  12 MHz/                 Stop  5.58992 GHz
```
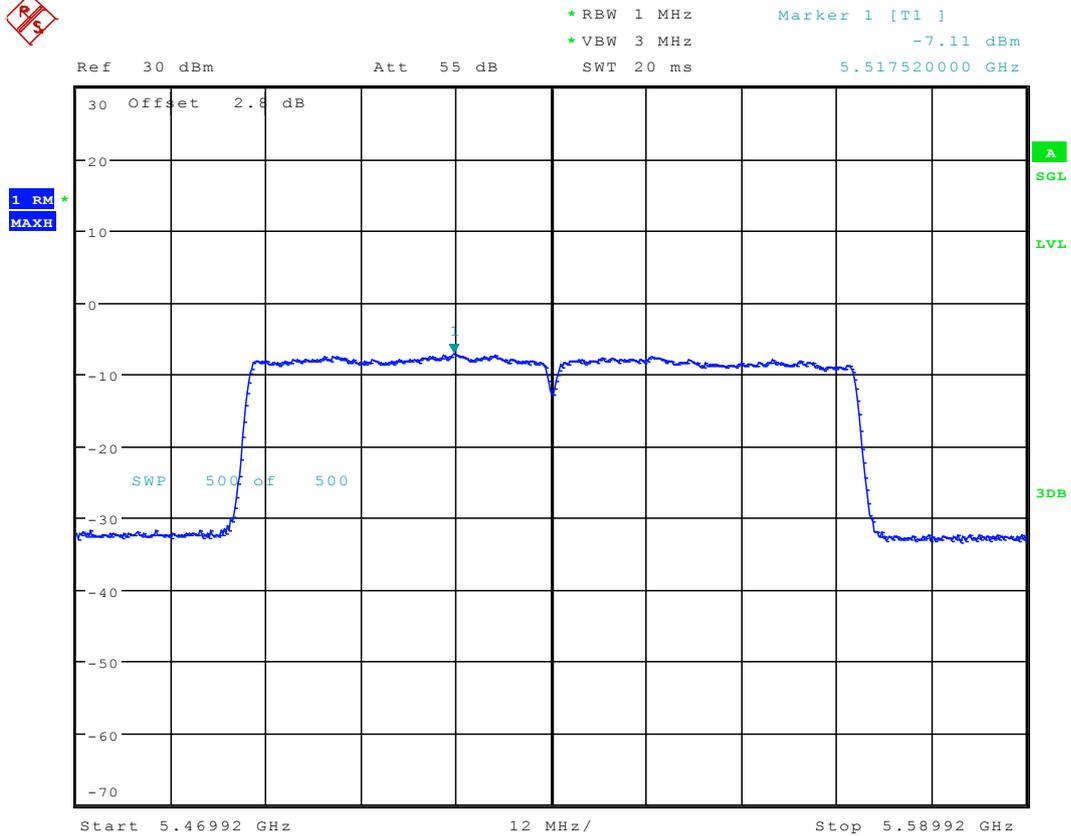
Date: 3.DEC.2016 17:29:27

6.147 11AC80M_106 Ant 1
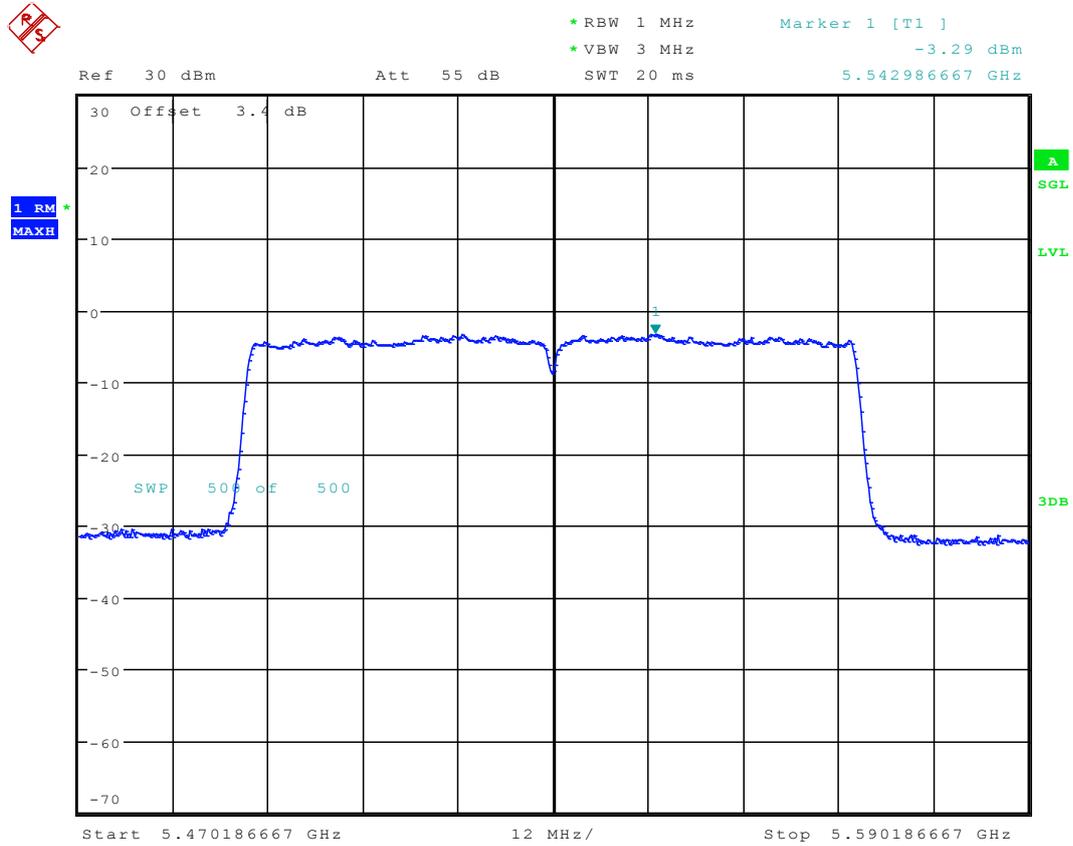
Date: 8.DEC.2016 15:30:35

6.148 11AC80M_106 Ant 2


```
                                        *RBW  1 MHz        Marker 1 [T1 ]
                                        *VBW  3 MHz                  -6.97 dBm
        Ref   30 dBm           Att  55 dB    SWT 20 ms     5.500986667 GHz

        30  Offset   3.4  dB                                              A
                                                                         SGL
      -20

1 RM  -10                                                                LVL
MAXH
        0

      -10                              1

      -20

        SWP    500 of    500                                             3DB
      -30

      -40

      -50

      -60

      -70
        Start 5.469786667 GHz         12 MHz/         Stop 5.589786667 GHz
```
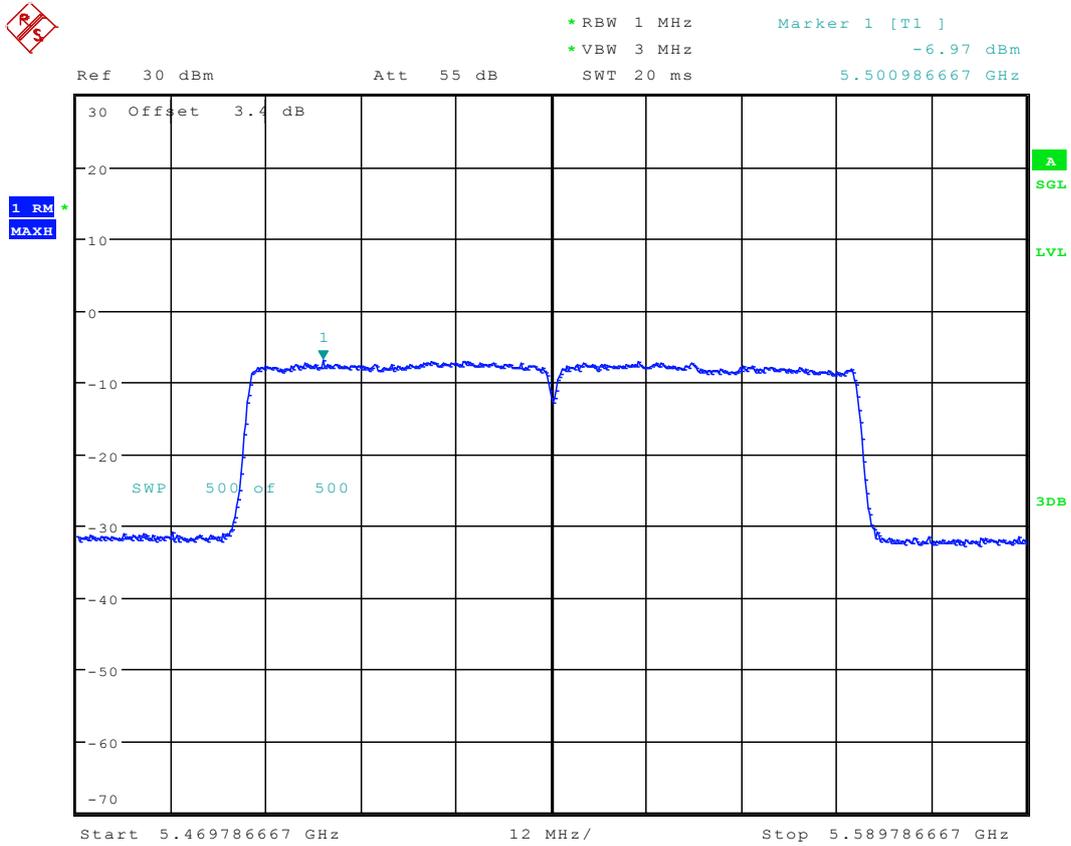
Date: 10.DEC.2016 11:09:23

6.149 11AC80_155 Ant 1
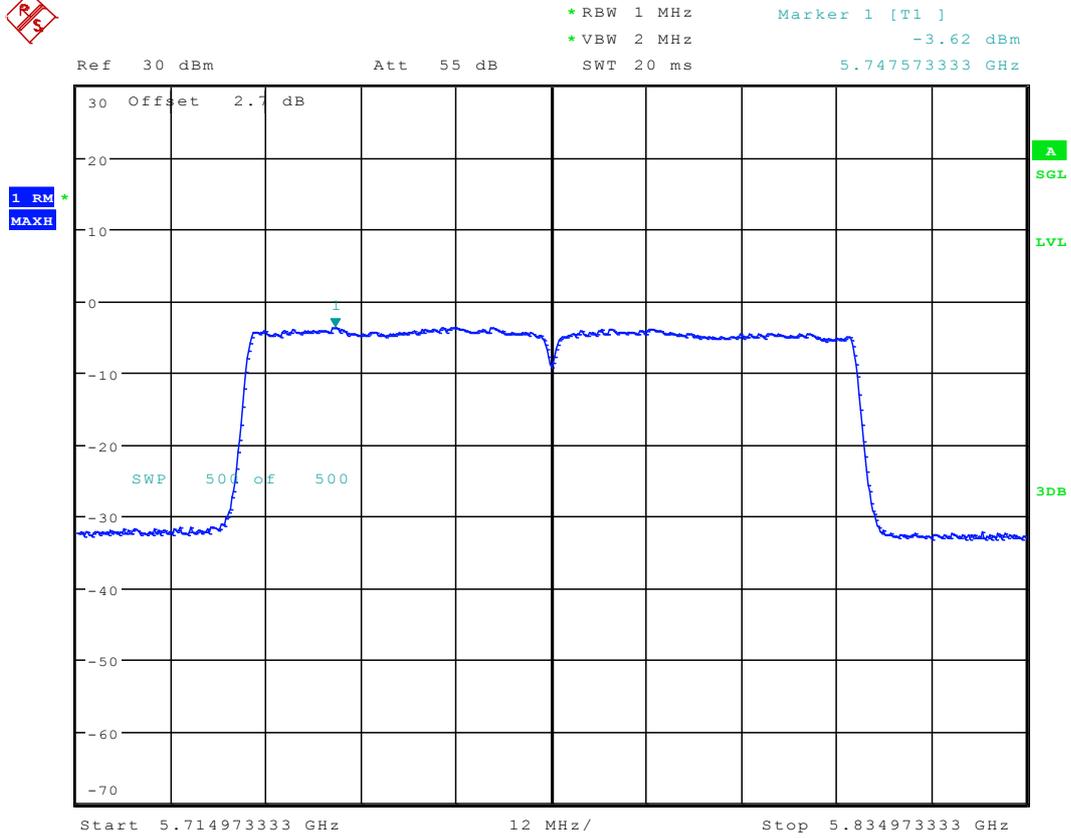
Date: 30.NOV.2016 19:48:05

6.150 11AC80_155 Ant 2


```
                                    * RBW  1 MHz       Marker 1 [T1 ]
                                    * VBW  2 MHz                 -7.17 dBm
     Ref   30 dBm          Att  55 dB    SWT 20 ms      5.761173333 GHz

     30  Offset  2.8 dB                                              A
    -20                                                             SGL

  1 RM *
  MAXH
    -10                                                             LVL

     -0

                              1
    -10

    -20
         SWP   500 of   500                                         3DB
    -30

    -40

    -50

    -60

    -70
     Start  5.714973333 GHz        12 MHz/        Stop  5.834973333 GHz
```
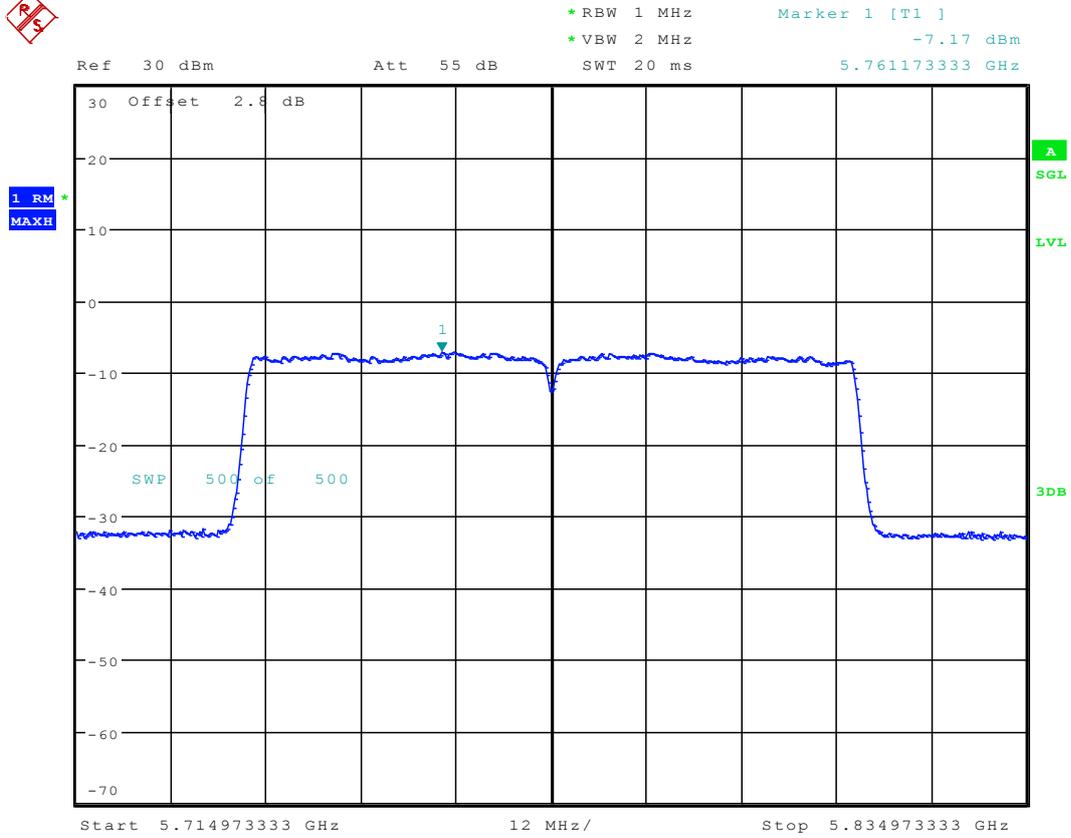
Date: 3.DEC.2016 17:42:14

6.151 11AC80M_155 Ant 1


```
 * RBW 1 MHz          Marker 1 [T1 ]
 * VBW 2 MHz                    -2.40 dBm
Ref  30 dBm          Att  55 dB    SWT 20 ms     5.763640000 GHz
```

Start 5.71484 GHz   12 MHz/   Stop 5.83484 GHz
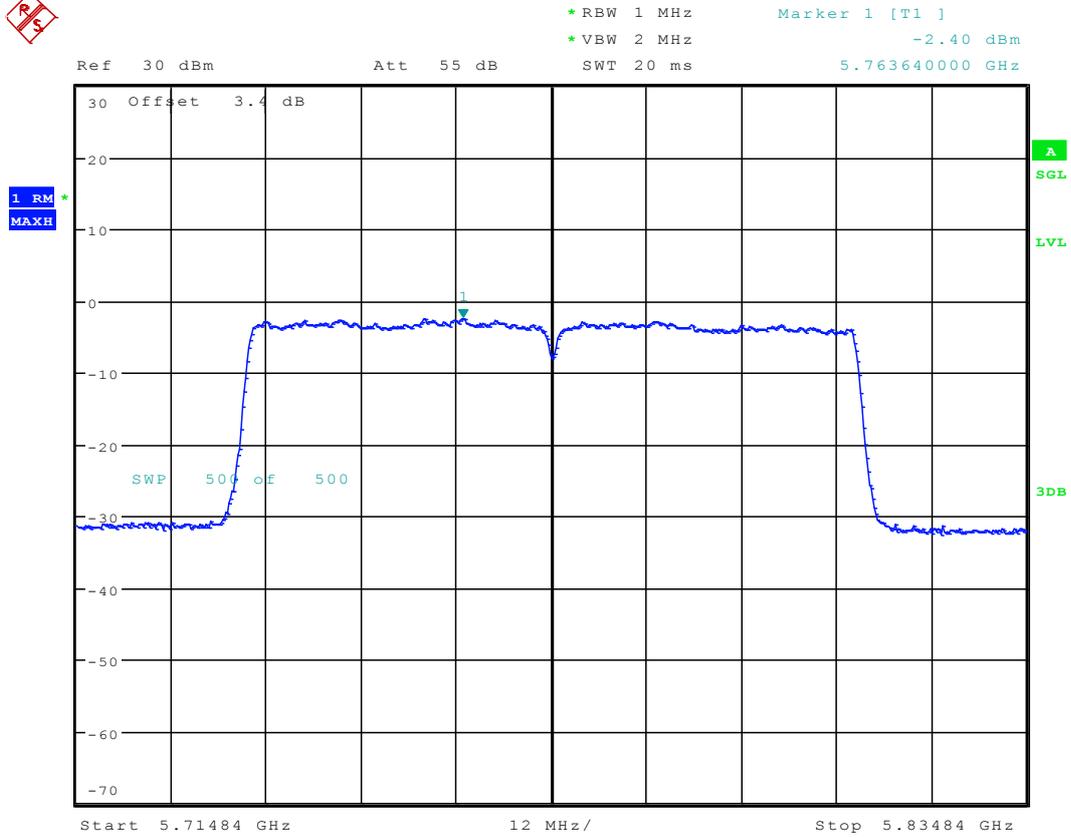
Date: 8.DEC.2016 15:36:51

6.152 11AC80M_155 Ant 2
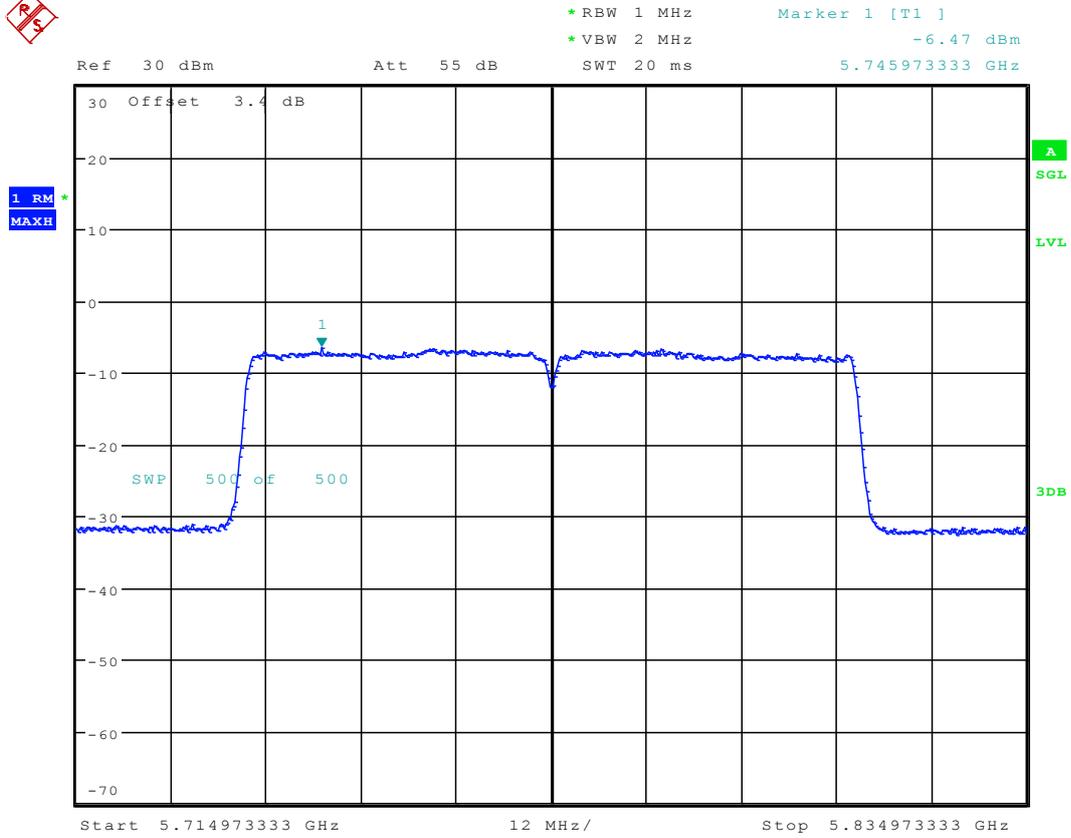
Date: 10.DEC.2016 11:15:07

Appendix F: Unwanted Emissions into Non-Restricted Frequency Bands

7 Test Plot

7.1 11A_36 Ant 1


```
                                    * RBW  1 MHz      Marker 2 [T1 ]
                                    * VBW  3 MHz              -36.66 dBm
Ref  30 dBm          * Att  30 dB   SWT 20 ms        5.146000000 GHz

30  Offset  1.5 dB                               Marker 1 [T1 ]
                                                         -38.28 dBm
20                                               5.150000000 GHz    A
                                                                    SGL
1 PK
MAXH    10                                                          LVL

0

-10

-20
     SWP   500 of   500
     D1 -27 dBm                                                     3DB
-30
                                2
-40

-50

-60
                          F1
-70
Start  5.03 GHz               20 MHz/            Stop  5.23 GHz
```
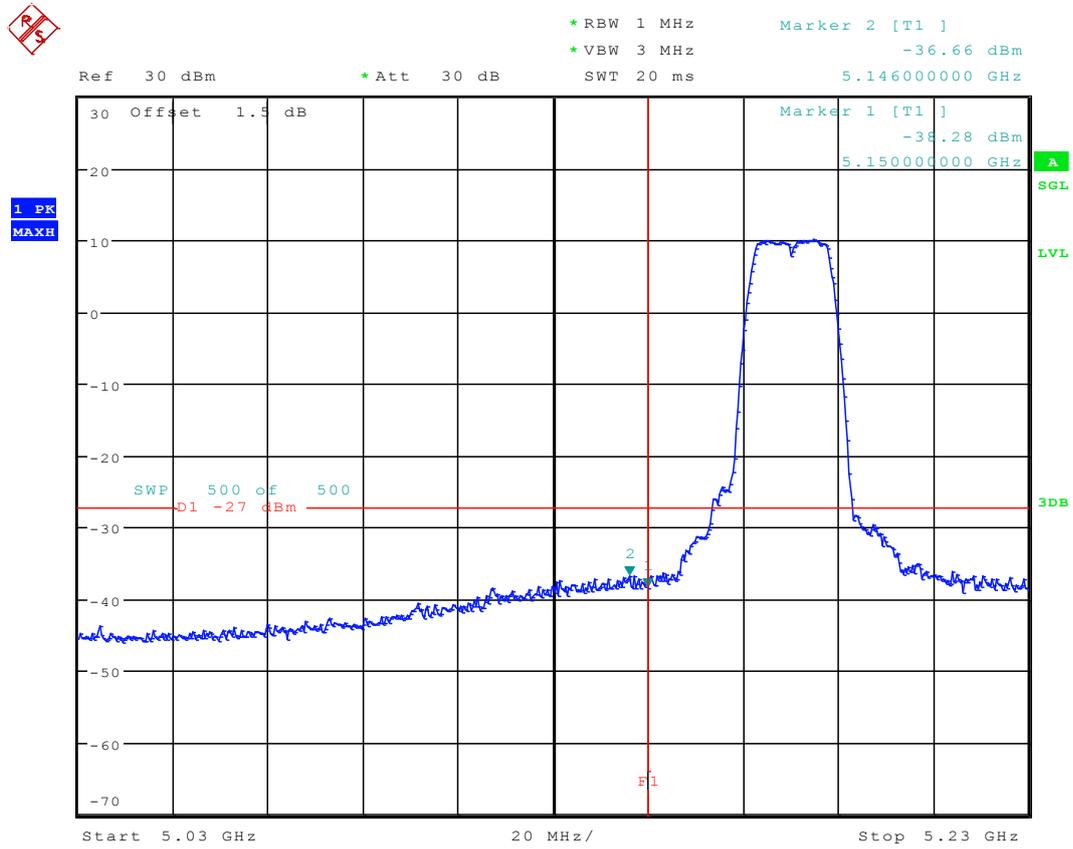
Date: 30.NOV.2016 14:50:43

7.2   11A_36 Ant 2


```
                                    * RBW  1 MHz        Marker 2 [T1 ]
                                    * VBW  3 MHz                      -35.47 dBm
        Ref  30 dBm                 * Att  30 dB    SWT 20 ms         5.138000000 GHz

        30  Offset   1.5 dB                         Marker 1 [T1 ]
                                                                     -38.47 dBm
         20                                                          5.150000000 GHz    A
                                                                                        SGL
  1 PK
  MAXH   10                                                                              LVL

          0

        -10

        -20
           SWP   500 of   500
        -30  D1 -27 dBm                                                                  3DB
                                    2
        -40                           1

        -50

        -60
                                       F1
        -70

        Start 5.03 GHz              20 MHz/              Stop 5.23 GHz
```
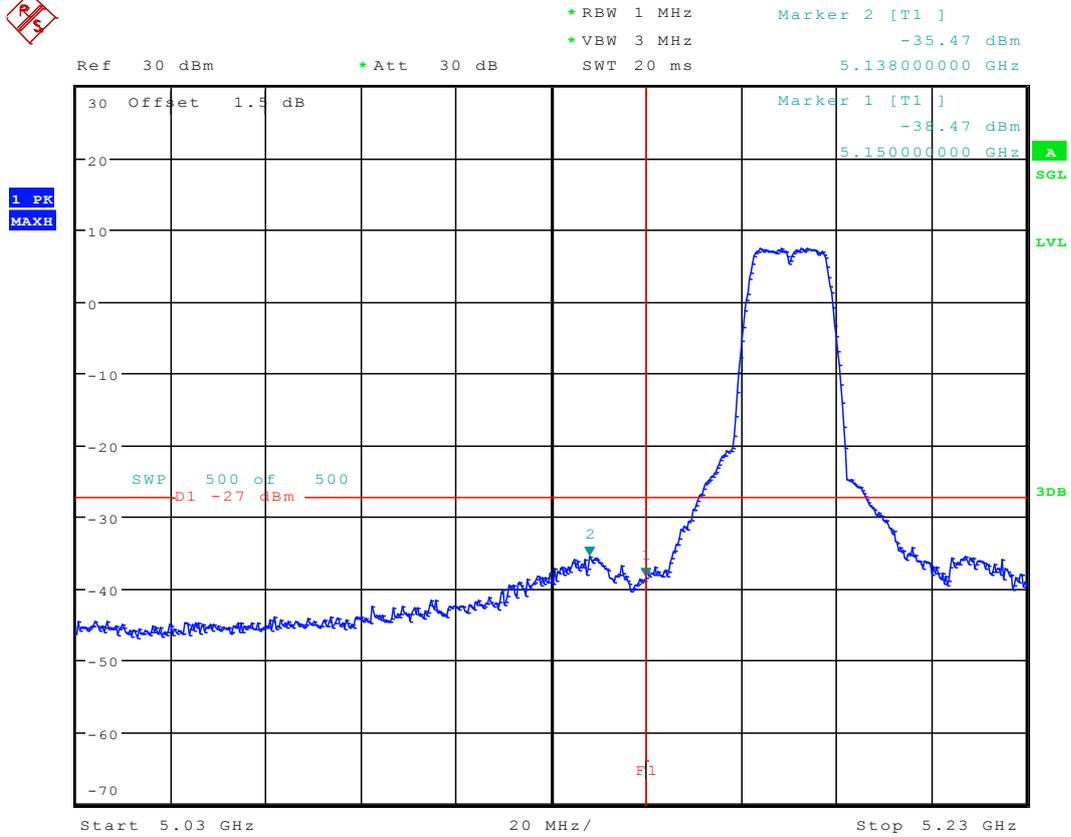
Date: 3.DEC.2016 11:08:12

7.3   11A-CDD_36 Ant 1


```
                                        * RBW  1 MHz      Marker 2 [T1 ]
                                        * VBW  3 MHz             -36.60 dBm
        Ref   30 dBm         * Att  30 dB    SWT  20 ms    5.145000000 GHz

         30  Offset   1.5  dB                    Marker 1 [T1 ]
                                                       -37.28 dBm
        -20                                         5.150000000 GHz   A
                                                                     SGL
    1 PK
    MAXH -10                                                         LVL

           0

         -10

         -20
         SWP    500 of    500                                        3DB
         D1 -27 dBm
         -30
                                          2
         -40

         -50

         -60

         -70
        Start  5.03 GHz            20 MHz/           Stop  5.23 GHz
```

Date: 13.DEC.2016 14:51:36

7.4 11A-CDD_36 Ant 2

```
                                              * RBW  1 MHz        Marker 2 [T1 ]
                                              * VBW  3 MHz                  -29.44 dBm
        Ref  30 dBm              * Att  30 dB   SWT 20 ms          5.147666667 GHz
        30  Offset   0.5  dB                    Marker 1 [T1 ]
                                                                          -30.40 dBm
      -20                                                          5.150000000 GHz    A
                                                                                      SGL
 1 PK
 MAXH  -10                                                                            LVL

       -0

      --10

      --20
        SWP    500 of   500
        D1 -27 dBm                                    2                                3DB
      --30

      --40


      --50


      --60
                                                    F1
      --70
        Start  5.03 GHz               20 MHz/              Stop  5.23 GHz
```

Date: 13.DEC.2016 15:38:29

7.5   11A_48 Ant 1


```
                                          *RBW  1 MHz        Marker 2 [T1 ]
                                          *VBW  3 MHz                  -43.24 dBm
 Ref   30 dBm              *Att   30 dB    SWT  20 ms         5.359000000 GHz

  30  Offset   1.5 dB                                 Marker 1 [T1 ]
                                                                    -44.34 dBm
    20                                                 5.350000000 GHz    A
                                                                          SGL
 1 PK
 MAXH    10                                                               LVL

     0

   -10

   -20
        SWP    500 of    500
       D1 -27 dBm                                                         3DB
   -30

   -40

   -50

   -60
                                             F1
   -70
 Start  5.19 GHz              20 MHz/              Stop  5.39 GHz
```

Date: 30.NOV.2016 14:56:21

7.6   11A_48 Ant 2


```
                                                    * RBW  1 MHz        Marker 2 [T1 ]
                                                    * VBW  3 MHz                    -43.44 dBm
        Ref   30 dBm                  * Att  30 dB    SWT 20 ms          5.390000000 GHz

         30  Offset   1.5  dB                                   Marker 1 [T1 ]
                                                                               -43.56 dBm
       -20                                                       5.350000000 GHz    A
                                                                                    SGL

  1 PK
  MAXH   -10                                                                        LVL


          0


        -10


        -20
          SWP    500 of    500
        -30   D1 -27 dBm                                                            3DB


        -40


        -50


        -60


        -70

        Start  5.19 GHz                  20 MHz/               Stop  5.39 GHz
```
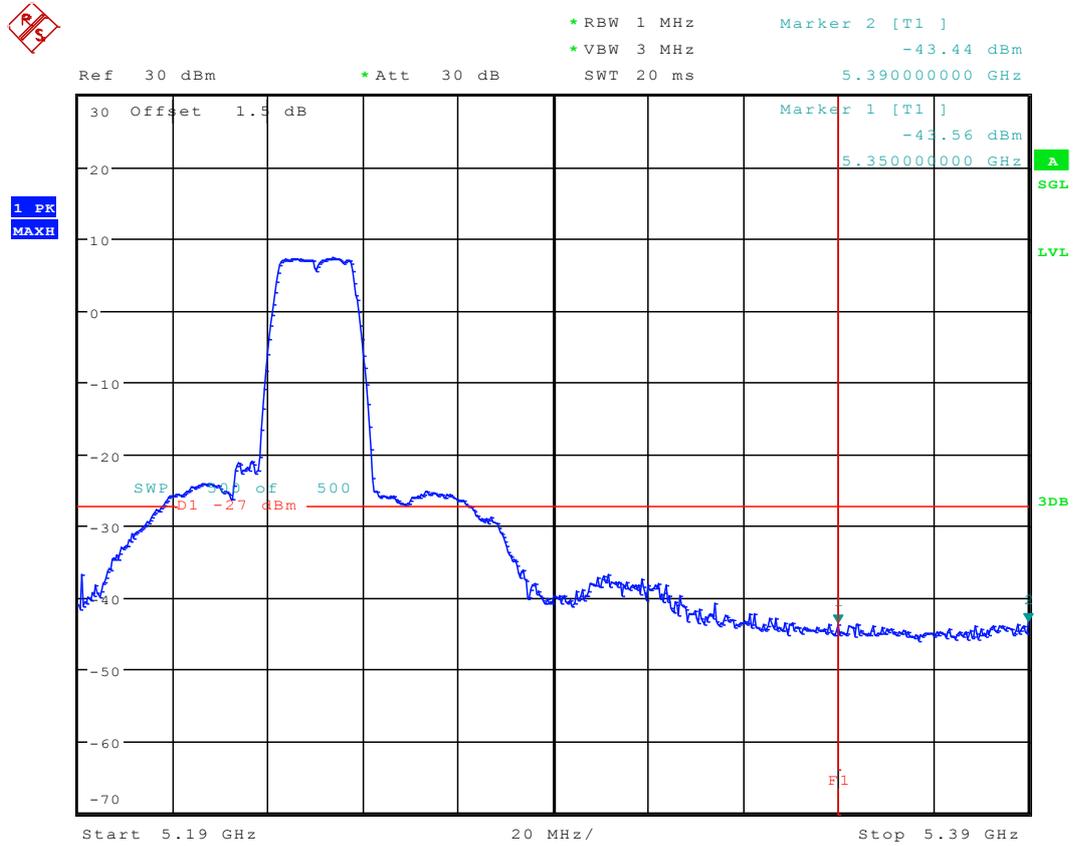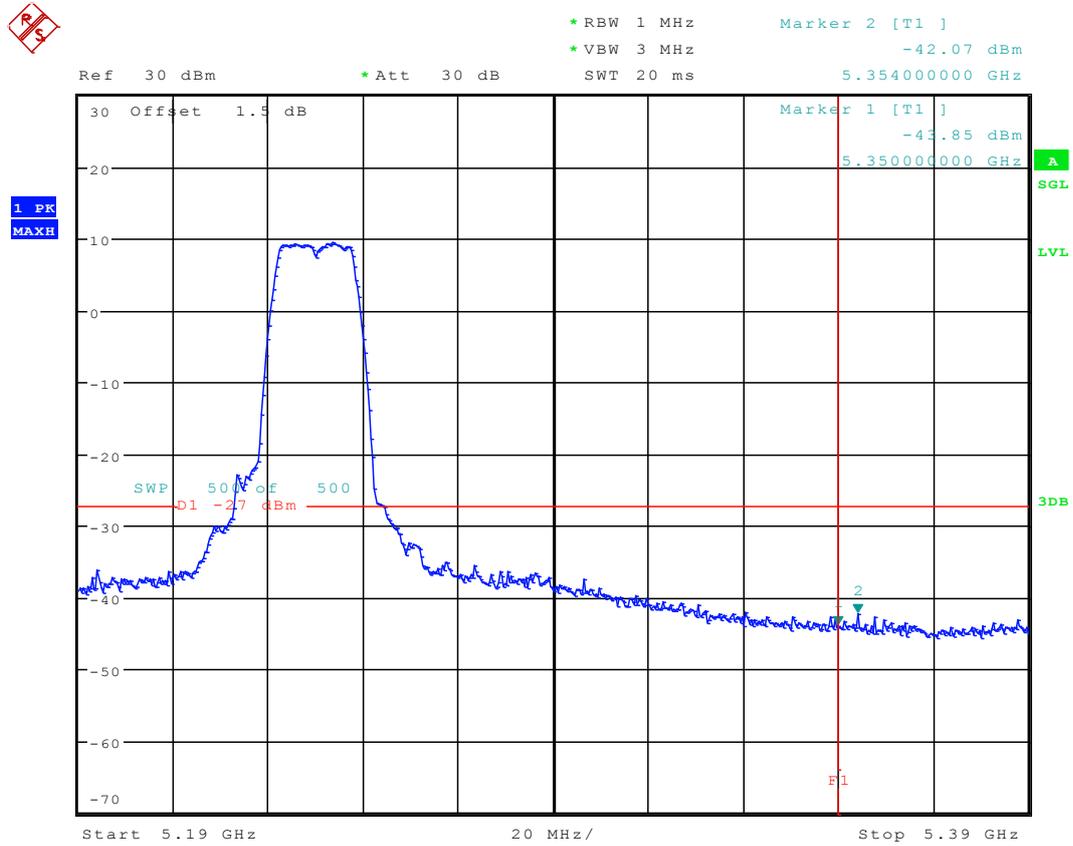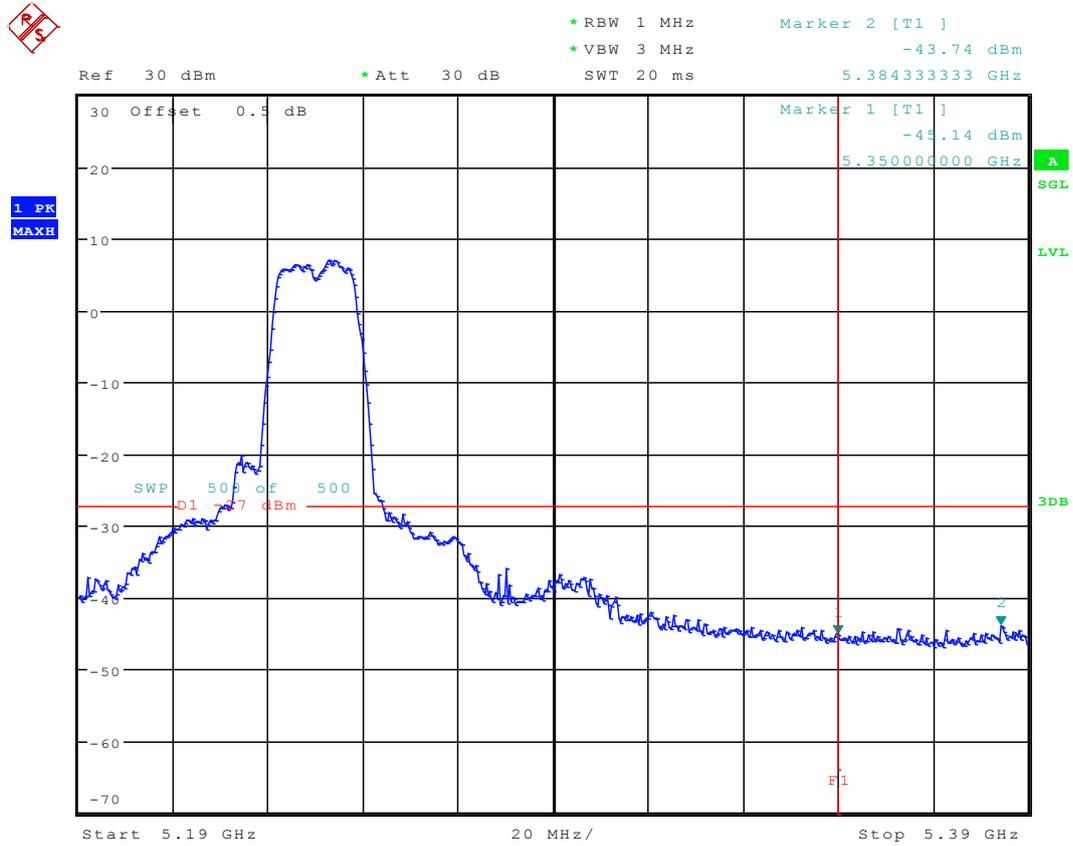
Date: 3.DEC.2016 11:13:14

7.7   11A-CDD_48 Ant 1

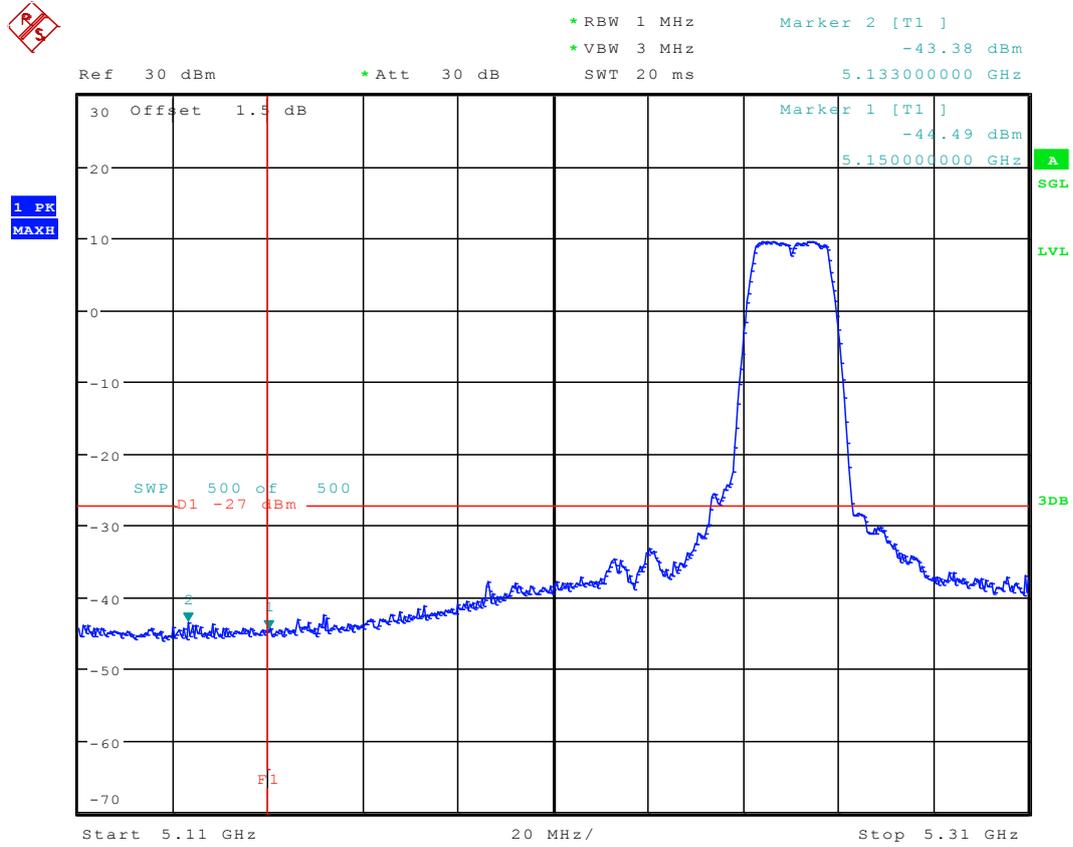Date: 13.DEC.2016 14:56:39

7.8　11A-CDD_48 Ant 2

Date: 13.DEC.2016　15:43:38

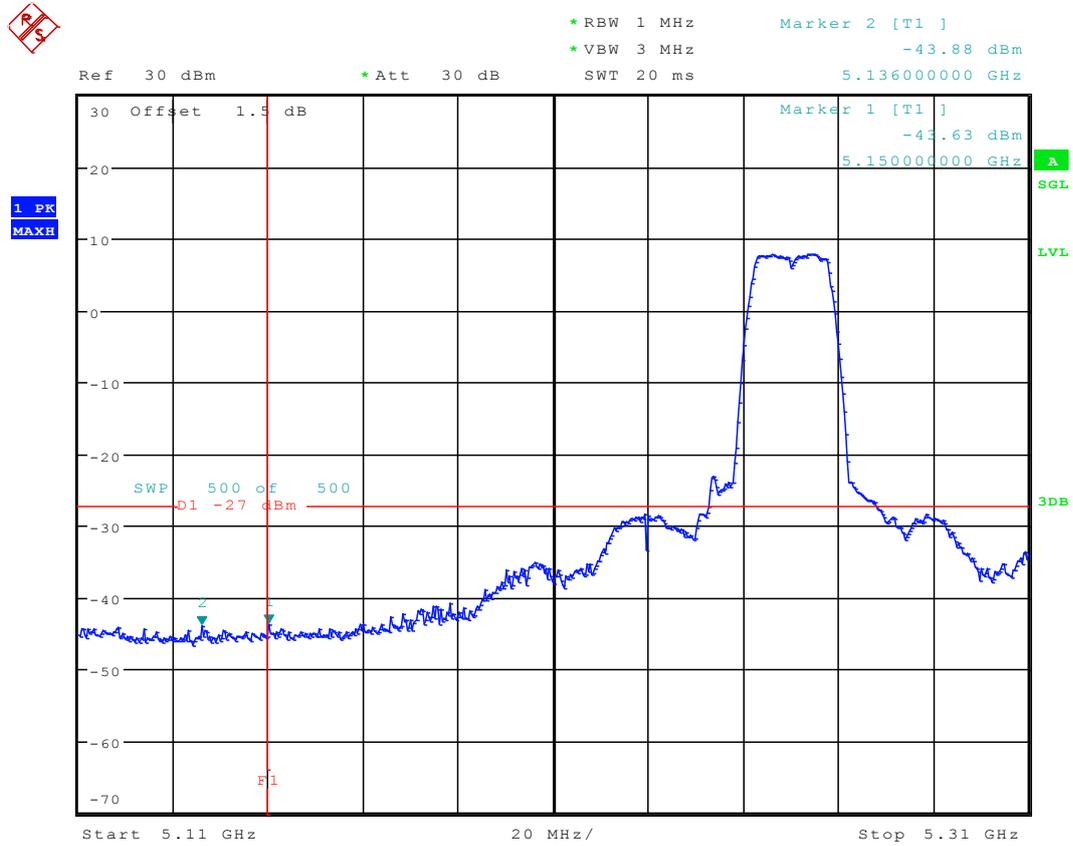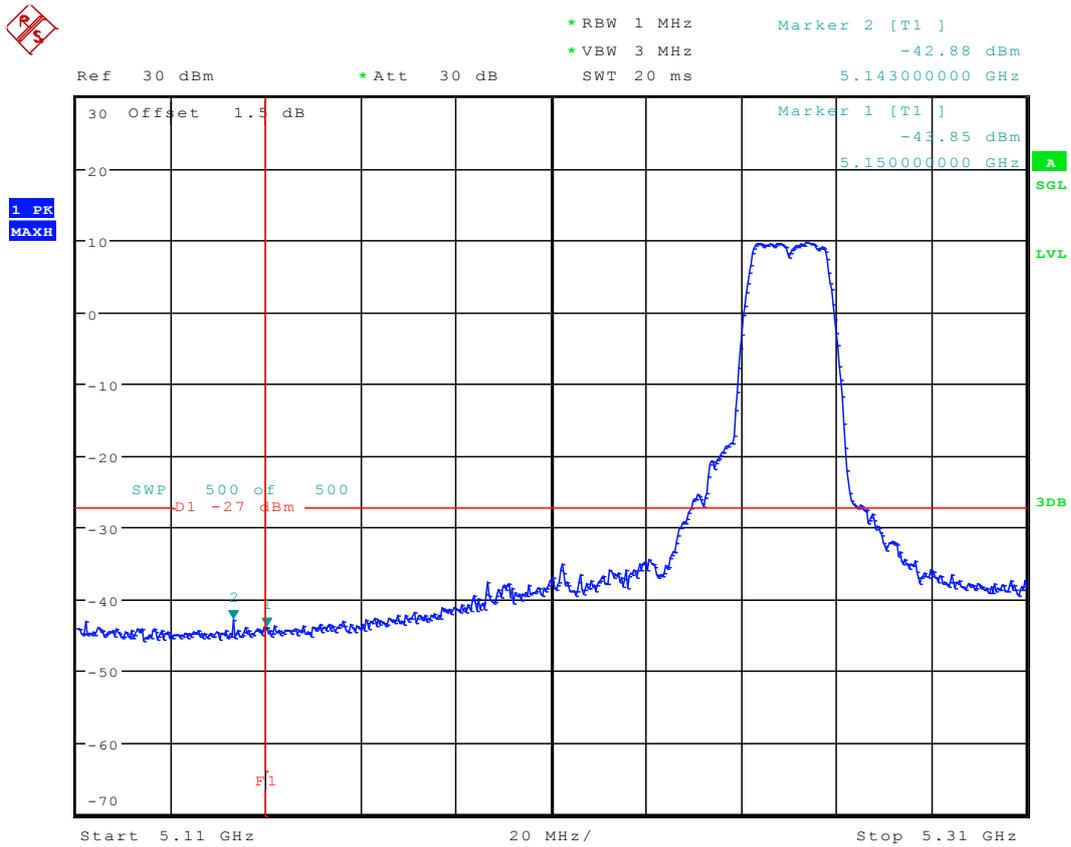### 7.9   11A_52 Ant 1

Date: 30.NOV.2016 15:01:58

7.10 11A_52 Ant 2

Date: 3.DEC.2016 11:18:32
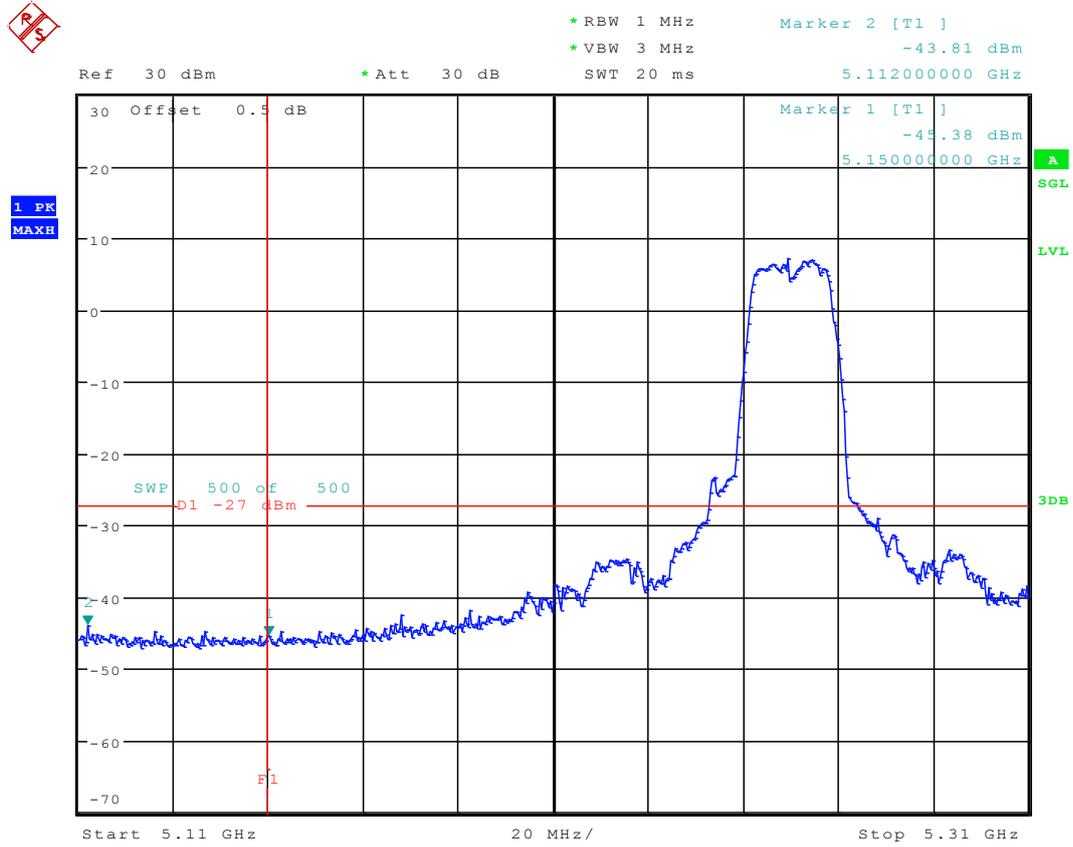
7.11 11A-CDD_52 Ant 1

```
                                    * RBW  1 MHz        Marker 2 [T1 ]
                                    * VBW  3 MHz                    -42.88 dBm
       Ref  30 dBm      * Att  30 dB   SWT 20 ms        5.143000000 GHz

       30 Offset  1.5 dB                             Marker 1 [T1 ]
                                                                  -43.85 dBm
       20                                            5.150000000 GHz    A
                                                                        SGL
 1 PK
 MAXH  10                                                                LVL

       0

      -10

      -20
       SWP   500 of   500
       D1 -27 dBm                                                       3DB
      -30

      -40      2  1

      -50

      -60

      F1
      -70

       Start 5.11 GHz            20 MHz/            Stop 5.31 GHz
```

Date: 13.DEC.2016 15:03:09

7.12 11A-CDD_52 Ant 2


```
* RBW  1 MHz              Marker 2 [T1 ]
* VBW  3 MHz                      -43.81 dBm
Ref  30 dBm          * Att  30 dB    SWT 20 ms    5.112000000 GHz

30  Offset  0.5 dB                  Marker 1 [T1 ]
                                          -45.38 dBm
20                                   5.150000000 GHz

10

0

-10

-20
     SWP   500 of   500
     D1 -27 dBm

-30

-40

-50

-60

-70
Start  5.11 GHz              20 MHz/              Stop  5.31 GHz
```

Date: 13.DEC.2016 15:49:01

7.13 11A_64 Ant 1
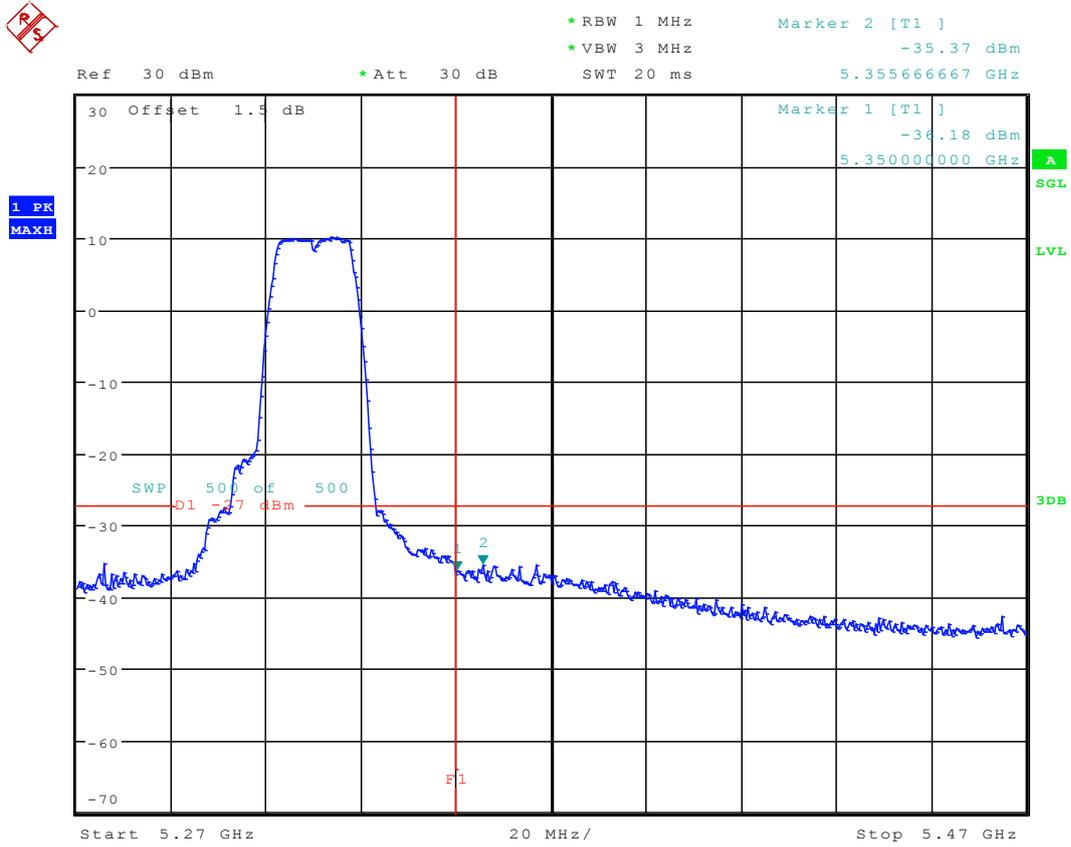
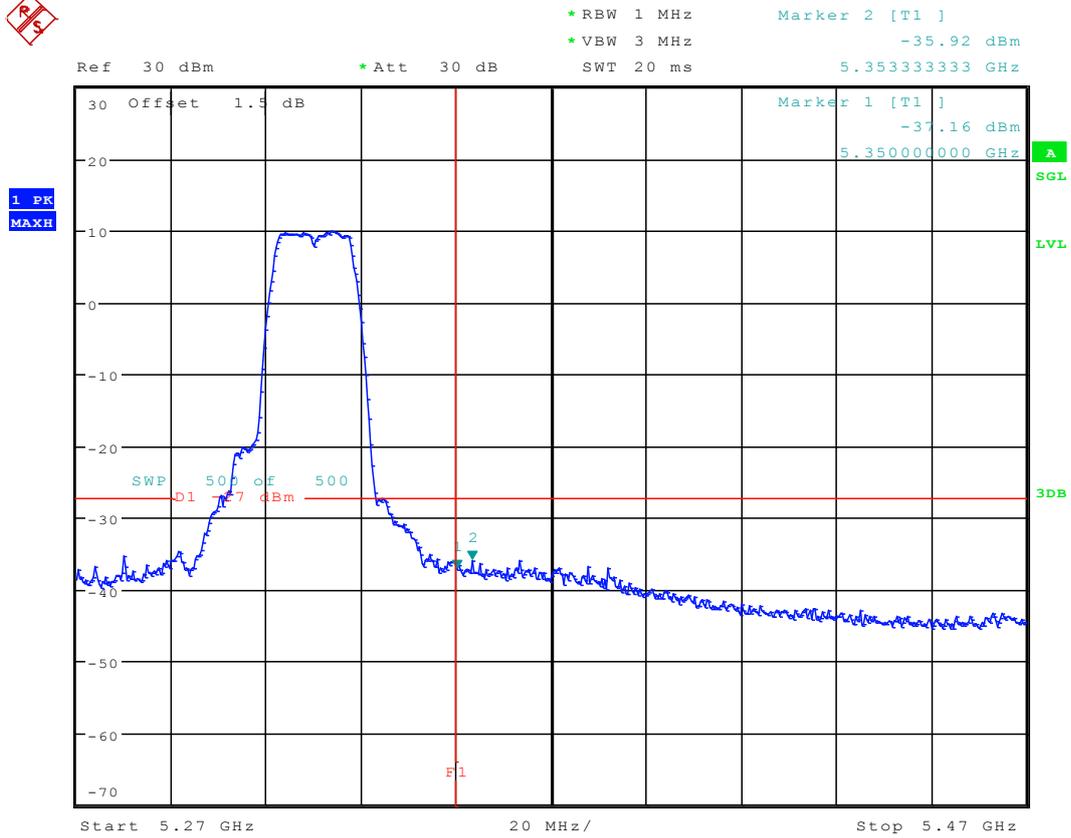Date: 30.NOV.2016 15:06:55

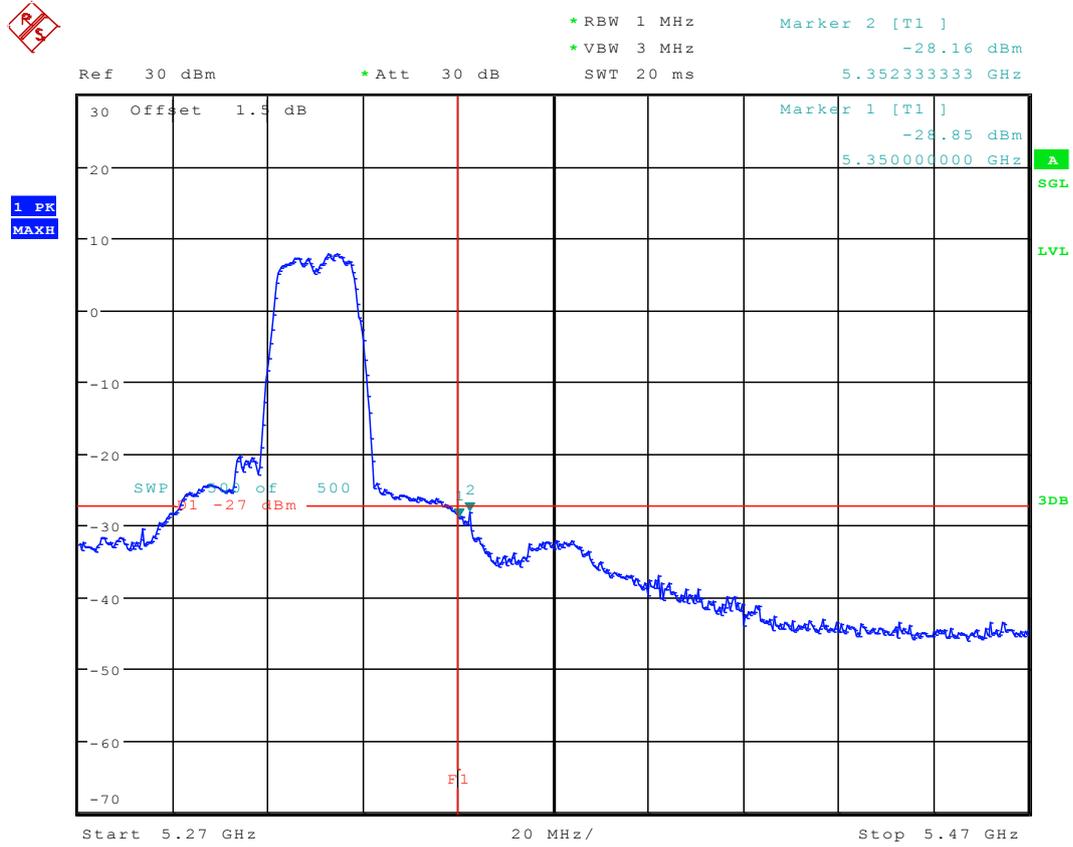### 7.14   11A_64 Ant 2
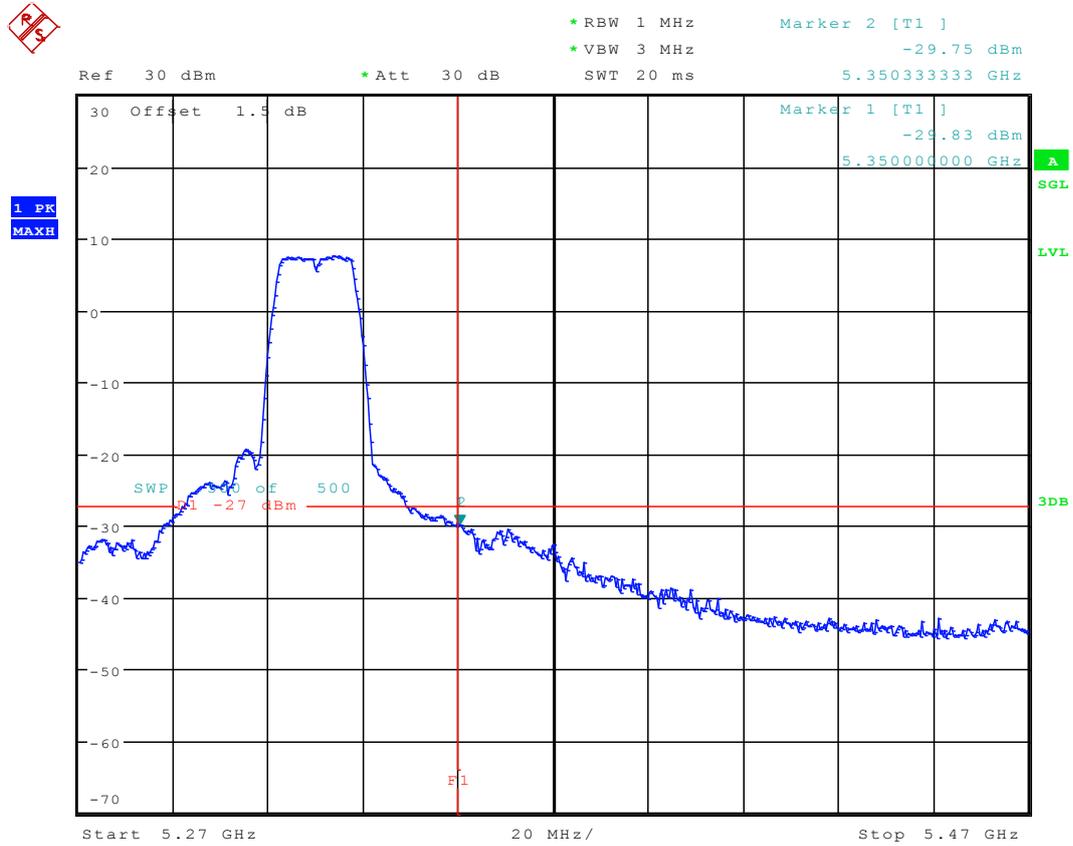
Date: 3.DEC.2016   11:23:30
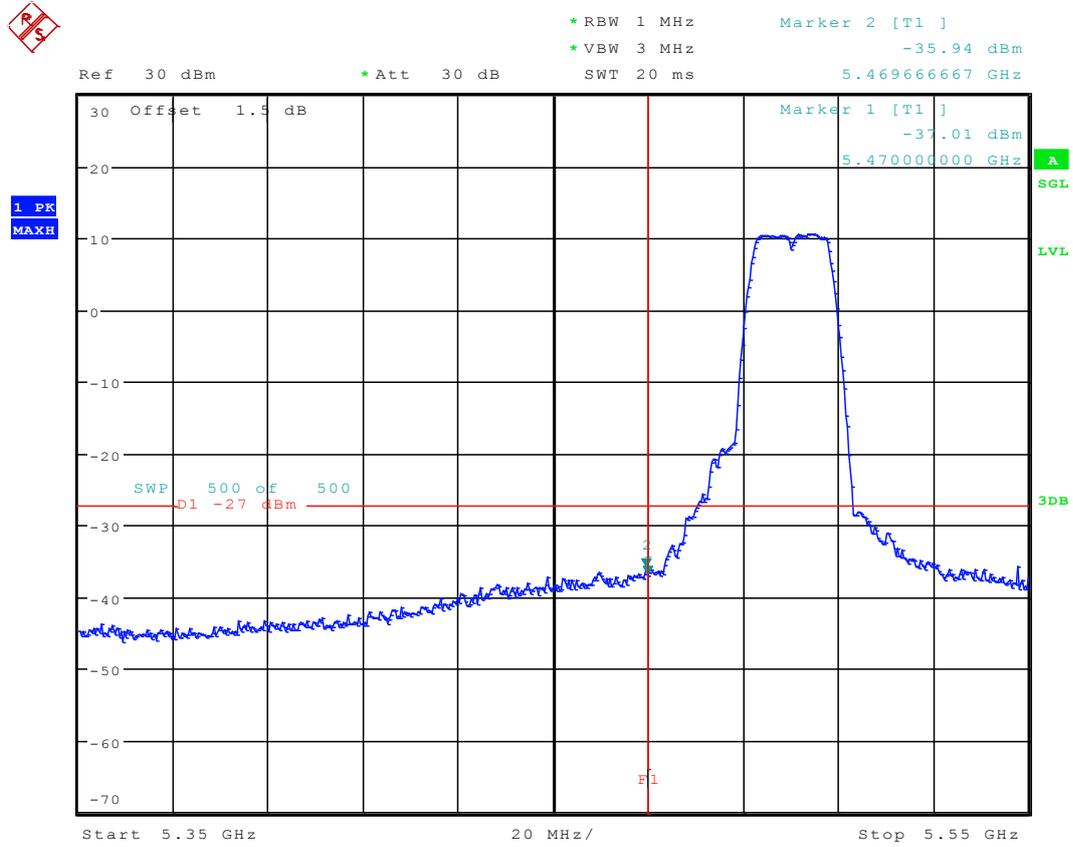
7.15 11A-CDD_64 Ant 1

Date: 13.DEC.2016 15:08:57

7.16 11A-CDD_64 Ant 2
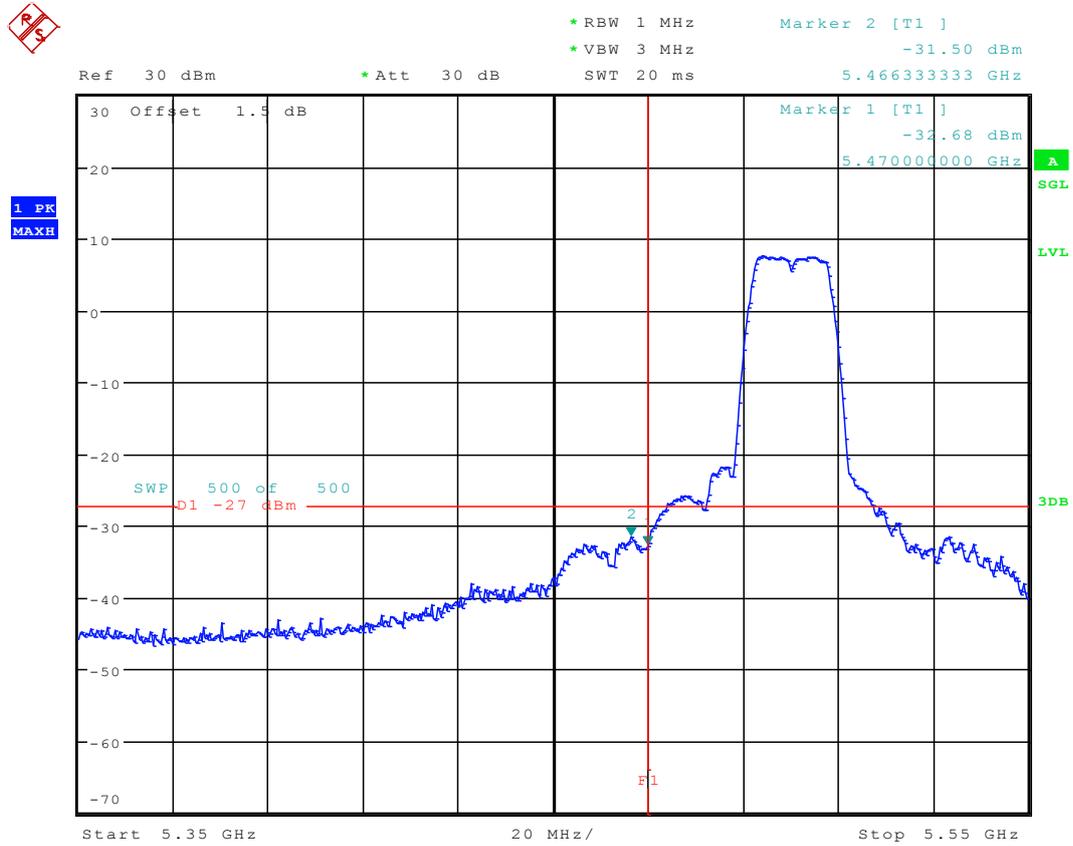

Date: 17.DEC.2016 09:58:24

7.17   11A_100 Ant 1


```
                                        * RBW  1 MHz       Marker 2 [T1 ]
                                        * VBW  3 MHz              -35.94 dBm
    Ref   30 dBm          * Att   30 dB   SWT  20 ms       5.469666667 GHz

    30  Offset   1.5  dB                  Marker 1 [T1 ]
                                                          -37.01 dBm
    20                                                    5.470000000 GHz    A
                                                                            SGL
1 PK
MAXH
    10                                                                      LVL

    0

   -10

   -20
        SWP   500 of   500
        D1 -27 dBm                                                          3DB
   -30

   -40

   -50

   -60

   -70                       F1

    Start  5.35 GHz                 20 MHz/              Stop  5.55 GHz
```
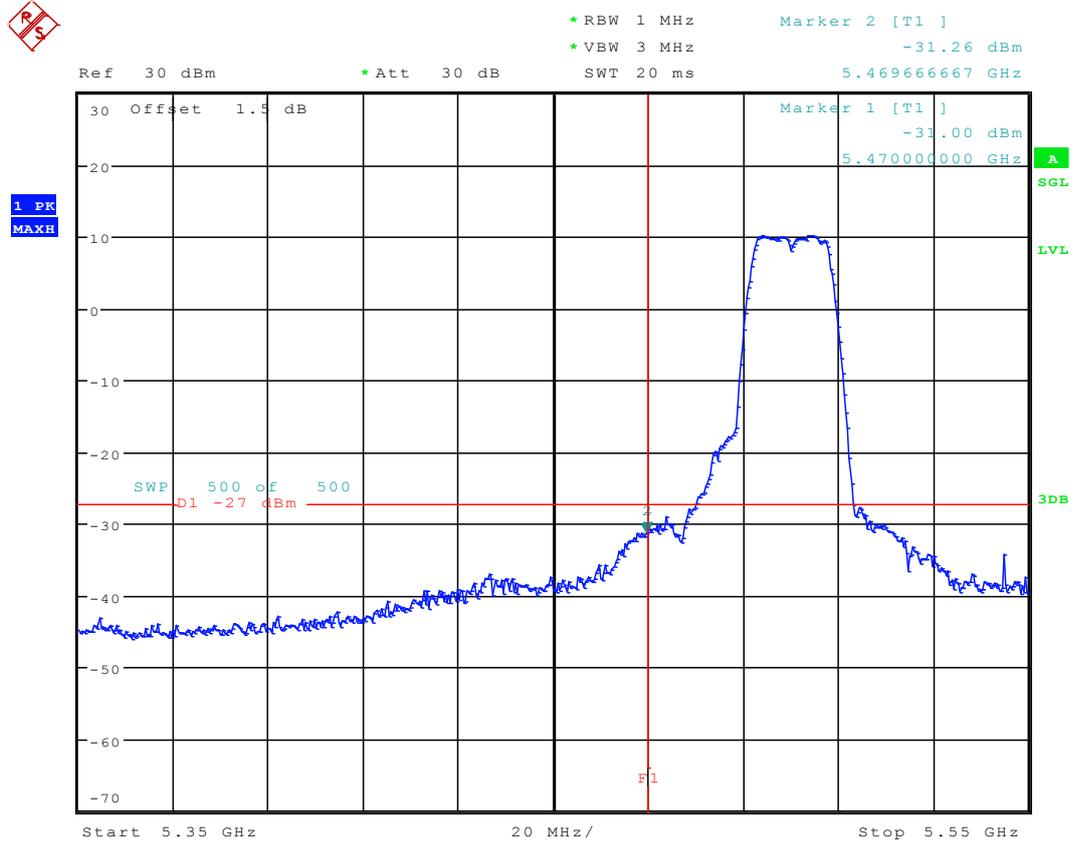
Date: 30.NOV.2016 15:19:05

7.18 11A_100 Ant 2

Date: 3.DEC.2016 11:31:22

7.19 11A-CDD_100 Ant 1

Date: 13.DEC.2016 15:13:57

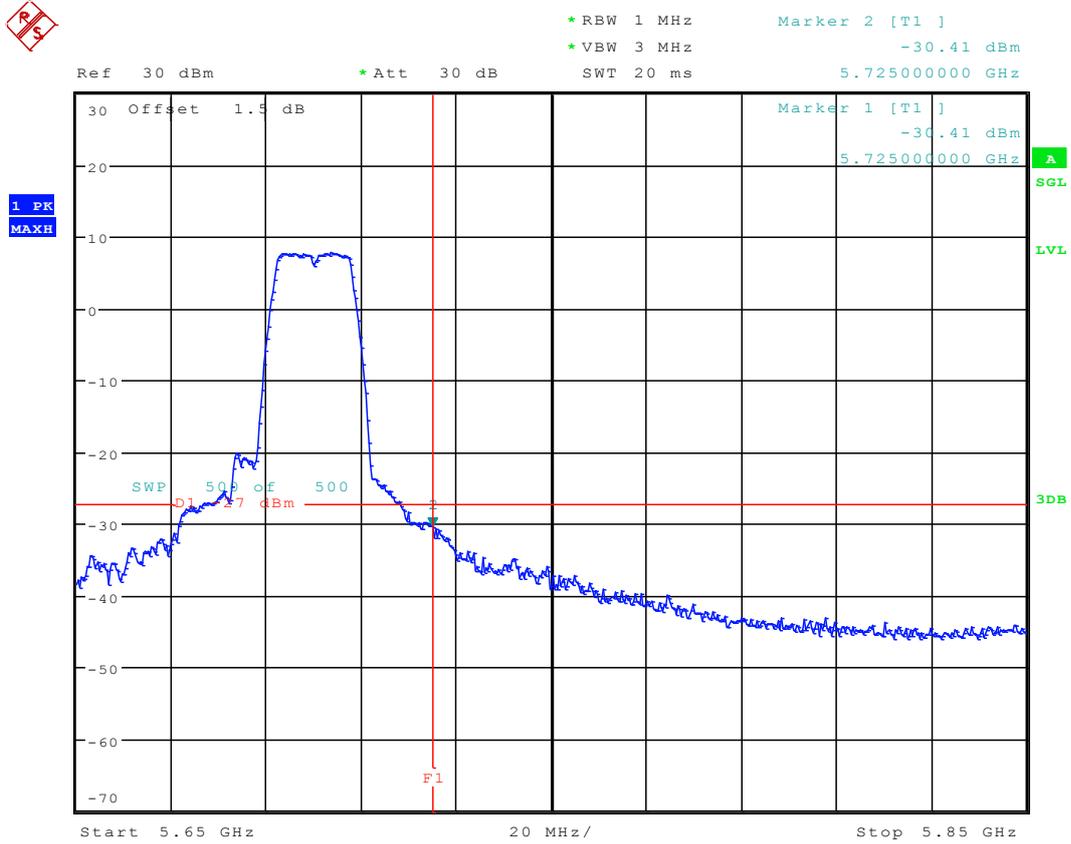## 7.20 11A-CDD_100 Ant 2


```
                                              * RBW  1 MHz      Marker 2 [T1 ]
                                              * VBW  3 MHz              -30.83 dBm
        Ref   30 dBm            * Att  30 dB    SWT 20 ms       5.467666667 GHz

        30  Offset   0.5  dB                            Marker 1 [T1 ]
                                                                -33.02 dBm
        -20                                             5.470000000 GHz    A
                                                                           SGL
    1 PK
    MAXH
        -10                                                                LVL

         0

        -10

        -20
            SWP    500 of    500                                           3DB
        -30 D1 -27 dBm
                                                    2

        -40

        -50

        -60
                                               F1
        -70

        Start 5.35 GHz              20 MHz/            Stop 5.55 GHz
```
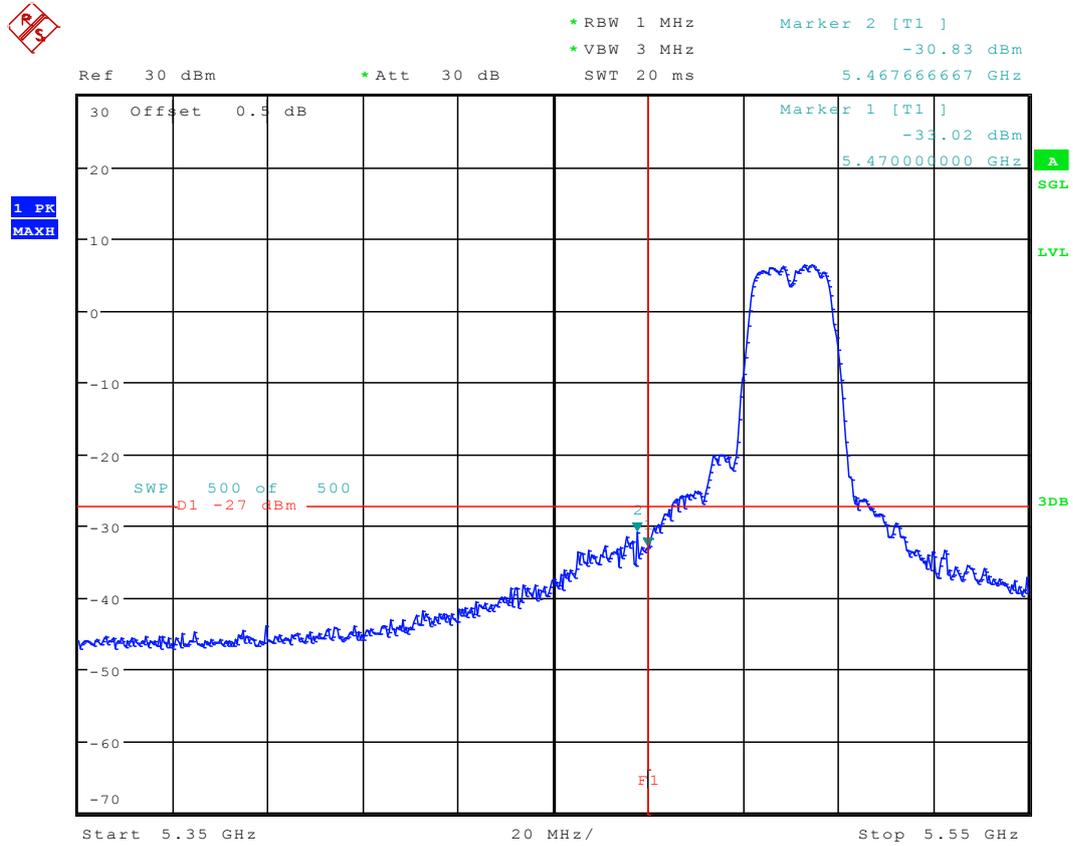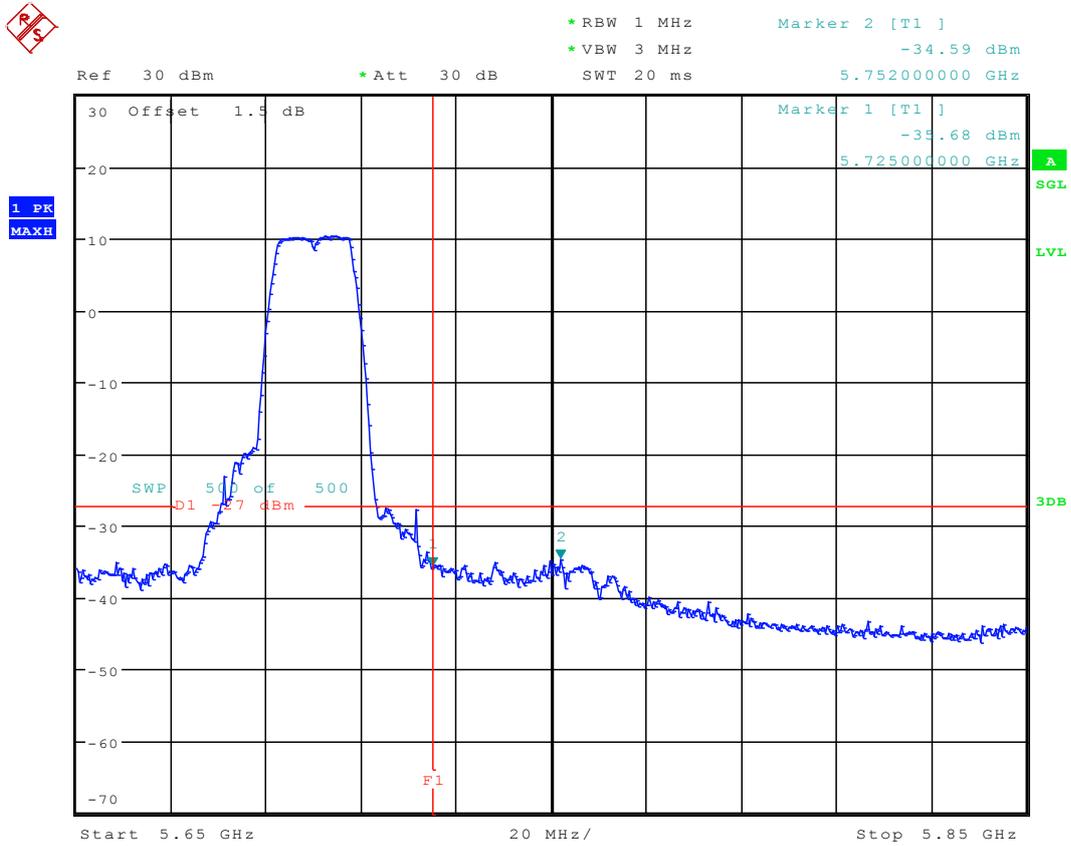
Date: 13.DEC.2016 15:59:00

7.21 11A_140 Ant 1

Date: 30.NOV.2016 15:24:00

7.22 11A_140 Ant 2

```
 * RBW  1 MHz          Marker 2 [T1 ]
 * VBW  3 MHz                   -30.41 dBm
Ref   30 dBm          * Att   30 dB    SWT  20 ms      5.725000000 GHz

  30  Offset   1.5  dB                    Marker 1 [T1 ]
                                                 -30.41 dBm
   20                                       5.725000000 GHz    A
                                                               SGL
1 PK
MAXH   10                                                      LVL

    0

  -10

  -20
       SWP   500 of   500                                      3DB
       D1  17 dBm
  -30                                      2

  -40

  -50

  -60

                    F1
  -70

Start  5.65 GHz              20 MHz/              Stop  5.85 GHz
```

Date: 3.DEC.2016 11:36:11

7.23   11A-CDD_140 Ant 1


```
                                          * RBW  1 MHz      Marker 2 [T1 ]
                                          * VBW  3 MHz               -34.59 dBm
      Ref   30 dBm              * Att  30 dB    SWT  20 ms      5.752000000 GHz

       30  Offset   1.5 dB                      Marker 1 [T1 ]
                                                        -35.68 dBm
        20                                         5.725000000 GHz     A
                                                                       SGL
        10
                                                                       LVL
         0

       -10

       -20
          SWP   500 of   500
      -30  D1 -27 dBm                                                  3DB

      -40                        2

      -50

      -60

      -70  F1
      Start  5.65 GHz          20 MHz/              Stop  5.85 GHz
```

Date: 13.DEC.2016 15:19:33

7.24 11A-CDD_140 Ant 2

```
* RBW  1 MHz          Marker 2 [T1 ]
* VBW  3 MHz                   -30.87 dBm
Ref  30 dBm        * Att  30 dB    SWT 20 ms        5.729000000 GHz
```

```
30  Offset  0.5 dB                          Marker 1 [T1 ]
                                                   -33.82 dBm
                                             5.725000000 GHz   A
                                                               SGL
```

1 PK
MAXH

```
SWP  500 of  500
D1 M17 dBm
```

F1

```
Start 5.65 GHz         20 MHz/         Stop 5.85 GHz
```
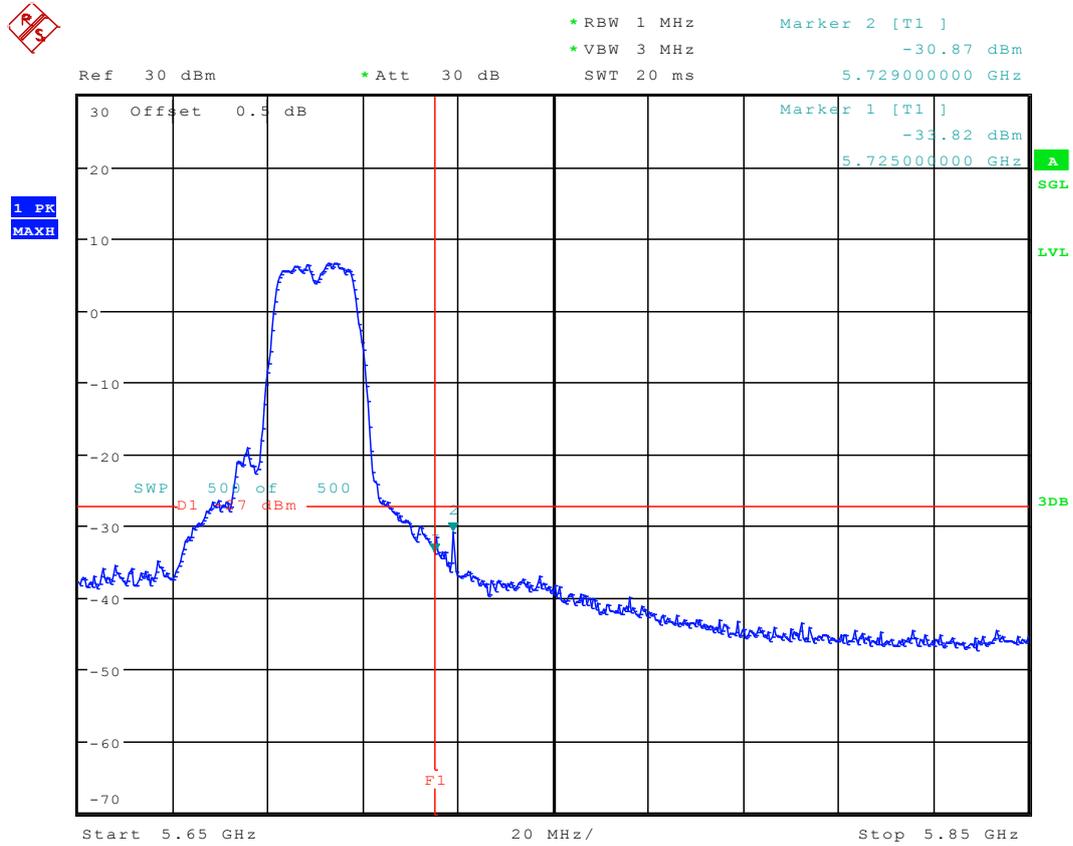
Date: 13.DEC.2016 16:04:22

7.25 11A_149 Ant 1
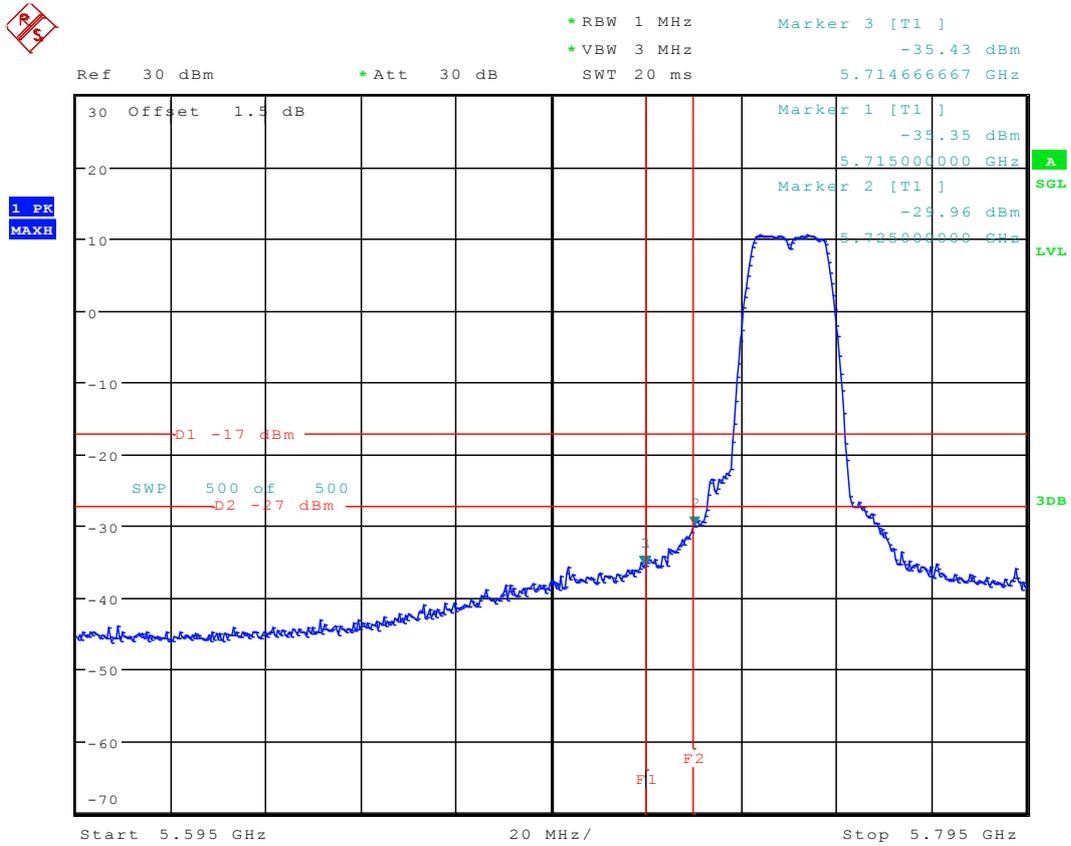
Date: 30.NOV.2016 15:29:33

7.26 11A_149 Ant 2


```
                                                   * RBW  1 MHz      Marker 3 [T1 ]
                                                   * VBW  3 MHz                    -31.58 dBm
          Ref   30 dBm          * Att   30 dB      SWT 20 ms          5.714666667 GHz

          30 Offset   1.5 dB                                          Marker 1 [T1 ]
                                                                                  -29.97 dBm
          20                                                          5.715000000 GHz      A
                                                                                           SGL
   1 PK
   MAXH   10                                                          Marker 2 [T1 ]
                                                                                  -21.82 dBm
                                                                     5.725000000 GHz   LVL
           0

         -10

         -20   D1 -17 dBm                              2
         SWP   500 of   500
               D2 -27 dBm                         1                                     3DB
         -30

         -40

         -50

         -60                                         F2
                                                  F1
         -70

          Start 5.595 GHz            20 MHz/                 Stop 5.795 GHz
```
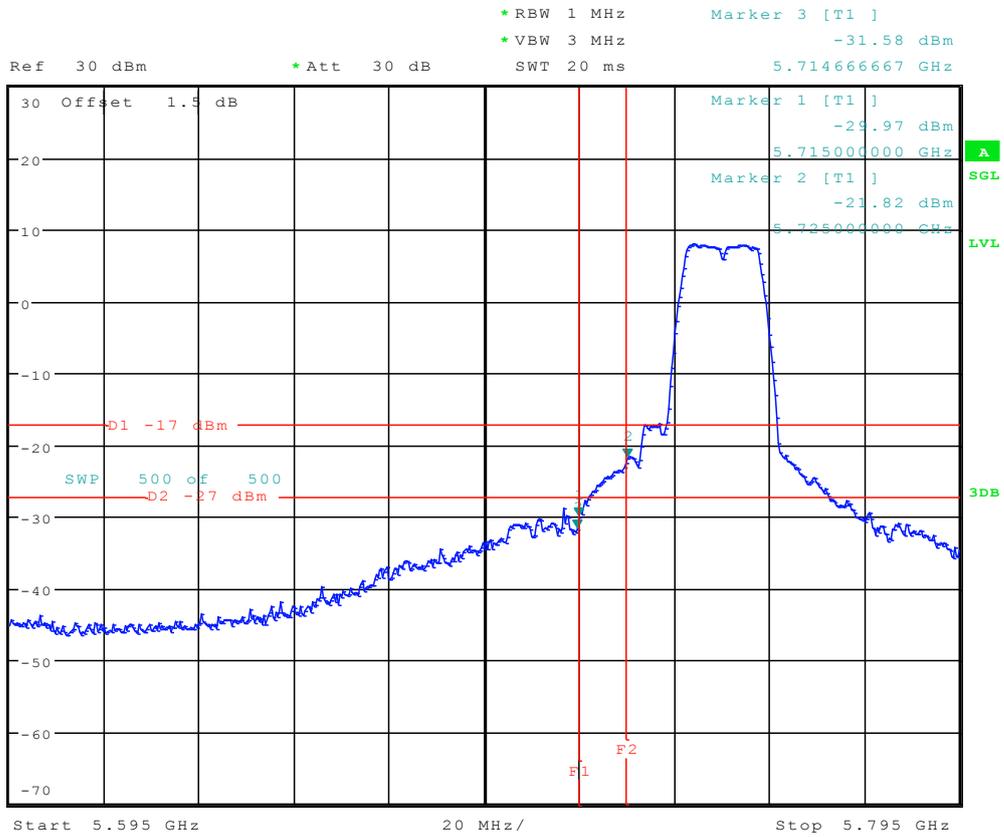
Date: 3.DEC.2016 11:42:29

7.27 11A-CDD_149 Ant 1
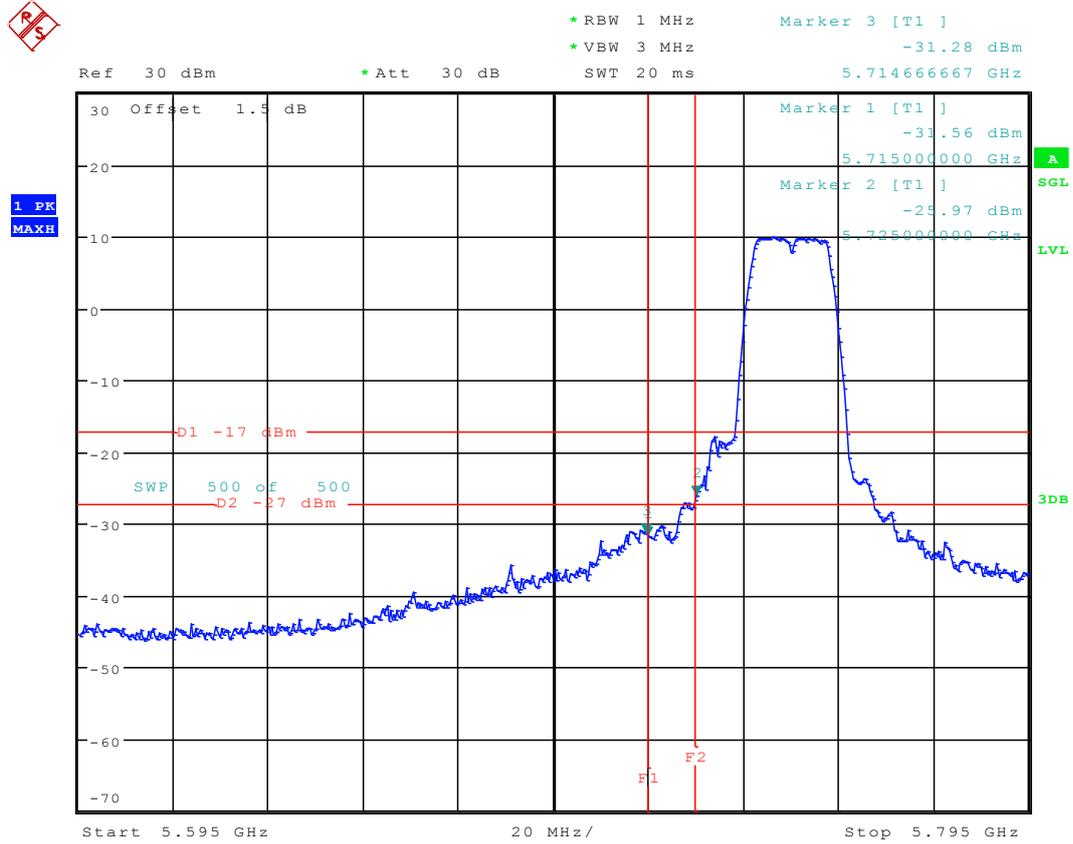
Date: 13.DEC.2016 15:25:06

7.28 11A-CDD_149 Ant 2
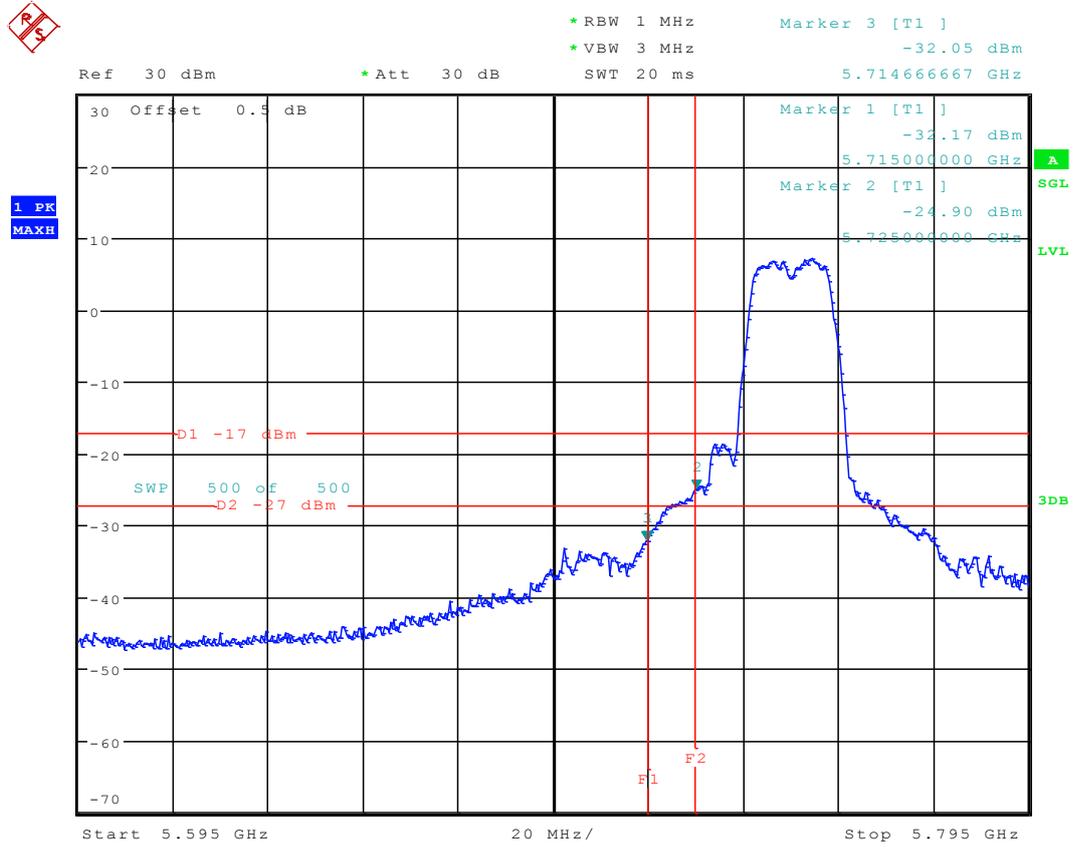
Date: 13.DEC.2016 16:10:10

7.29 11A_165 Ant 1
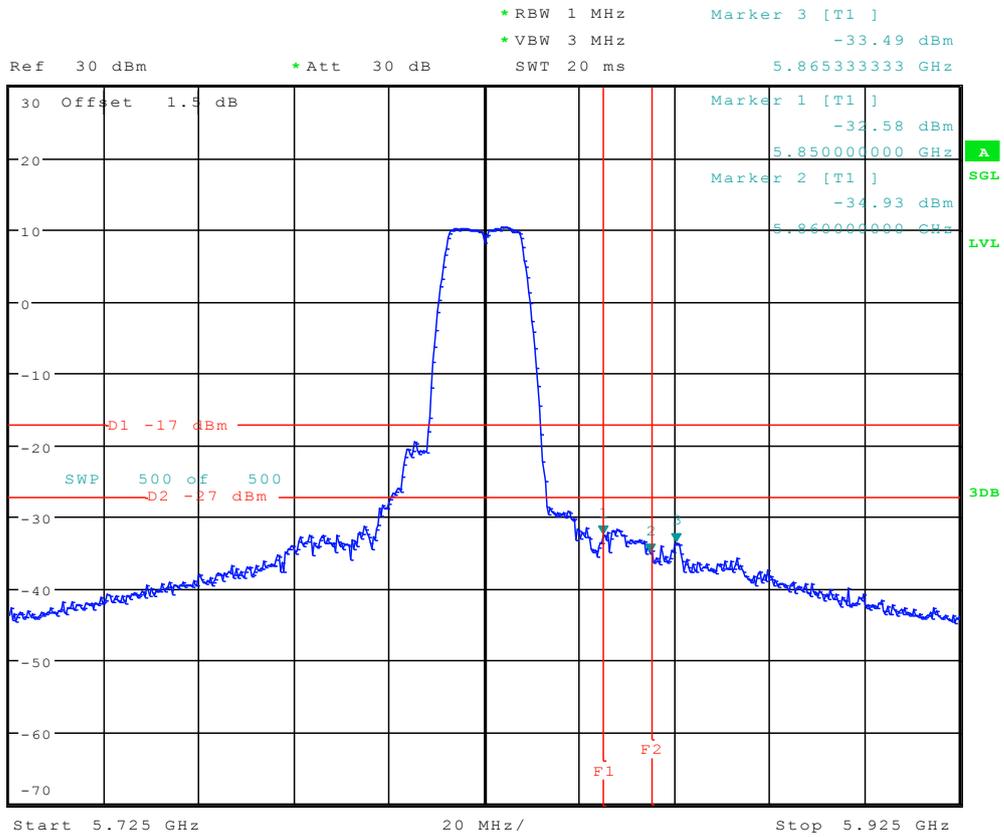
Date: 30.NOV.2016 15:35:05

7.30 11A_165 Ant 2


```
                                                    * RBW  1 MHz        Marker 3 [T1 ]
                                                    * VBW  3 MHz                  -32.13 dBm
        Ref   30 dBm           * Att   30 dB        SWT 20 ms          5.861333333 GHz

        30  Offset   1.5  dB                                  Marker 1 [T1 ]
                                                                       -33.18 dBm
        20                                                     5.850000000 GHz      A
                                                              Marker 2 [T1 ]       SGL
        10                                                             -35.82 dBm
                                                              5.860000000 GHz      LVL

         0

       -10
            D1 -17 dBm
       -20                                                                          3DB
            SWP    500 of   500
       -30  D2 -27 dBm                                                    3

       -40

       -50

       -60                                                      F2
                                                            F1
       -70
        Start 5.725 GHz                20 MHz/               Stop 5.925 GHz
```
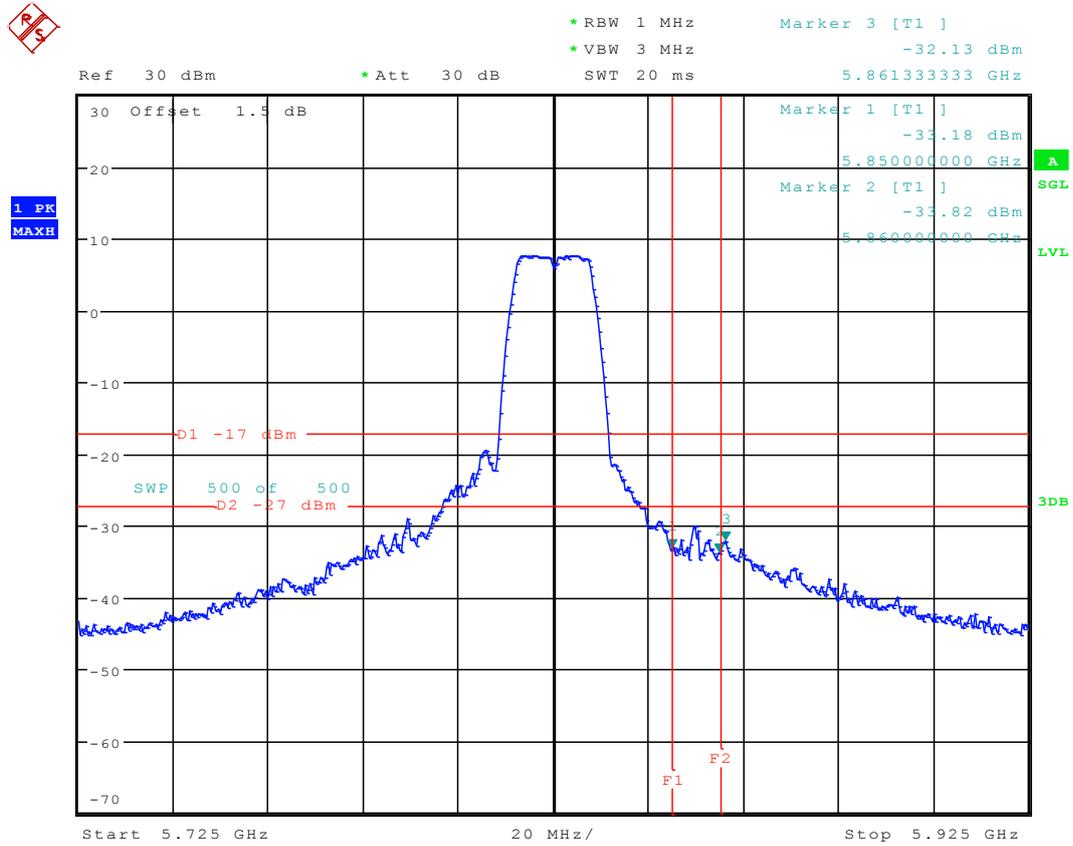
Date: 3.DEC.2016 11:48:00

7.31   11A-CDD_165 Ant 1


```
                                              *RBW  1 MHz        Marker 3 [T1 ]
                                              *VBW  3 MHz                 -34.11 dBm
        Ref  30 dBm              *Att  30 dB   SWT 20 ms        5.863000000 GHz

        30  Offset  1.5 dB                                     Marker 1 [T1 ]
                                                                        -31.89 dBm
        -20                                                    5.850000000 GHz    A
                                                               Marker 2 [T1 ]          SGL
  1 PK                                                                  -35.39 dBm
  MAXH                                                          5.860000000 GHz
        -10                                                                            LVL

        -0

        -10

        -20  D1 -17 dBm

        SWP   500 of   500
             D2 -27 dBm                                                                3DB
        -30

        -40

        -50

        -60                                     F2

        -70                                  F1

        Start  5.725 GHz              20 MHz/           Stop  5.925 GHz
```
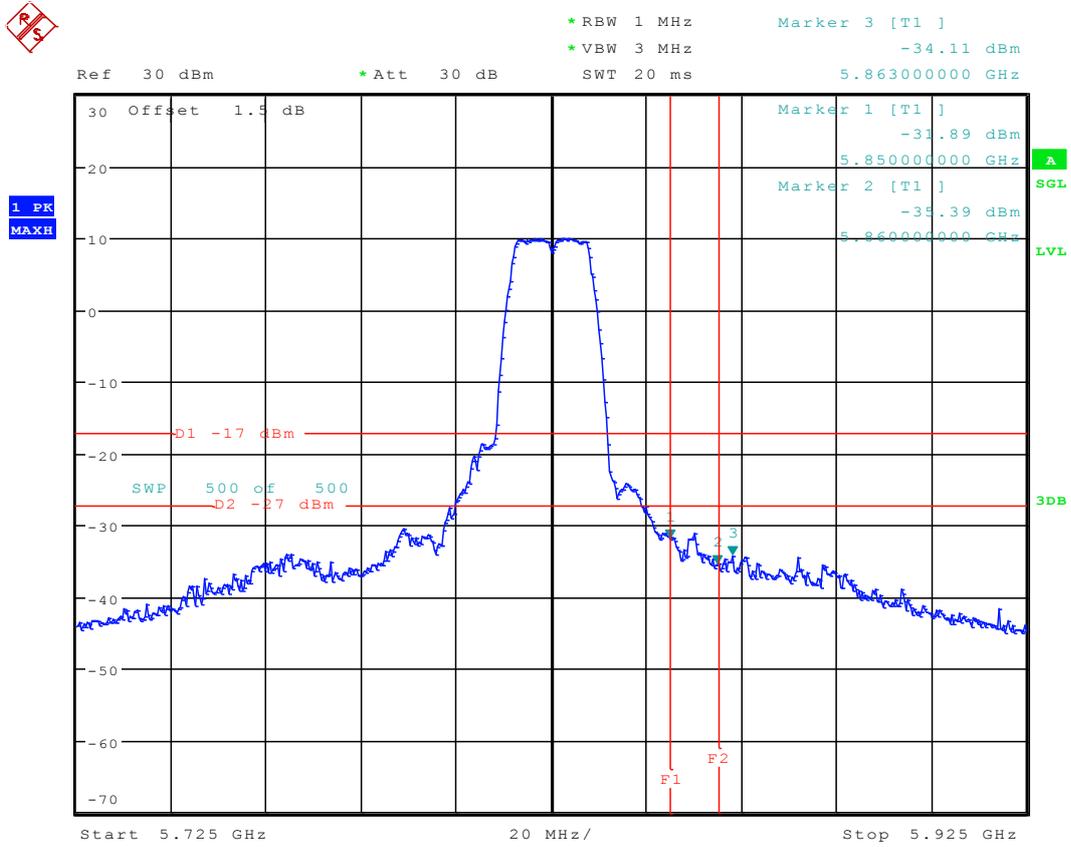
Date: 13.DEC.2016 15:30:38

7.32   11A-CDD_165 Ant 2


```
                                    *RBW  1 MHz        Marker 3 [T1 ]
                                    *VBW  3 MHz                      -33.03 dBm
Ref  30 dBm              *Att  30 dB   SWT  20 ms          5.862000000 GHz

 30  Offset   0.5 dB                   Marker 1 [T1 ]                   A
-20                                                     -30.90 dBm
                                                       5.850000000 GHz  SGL
 1 PK                                  Marker 2 [T1 ]
 MAXH                                                   -33.03 dBm
 10                                                    5.860000000 GHz  LVL
  0
-10
   D1 -17 dBm
-20
   SWP   500 of   500                                                   3DB
   D2 -27 dBm
-30
-40
-50
-60                                        F2
-70                                     F1

Start  5.725 GHz            20 MHz/              Stop  5.925 GHz
```
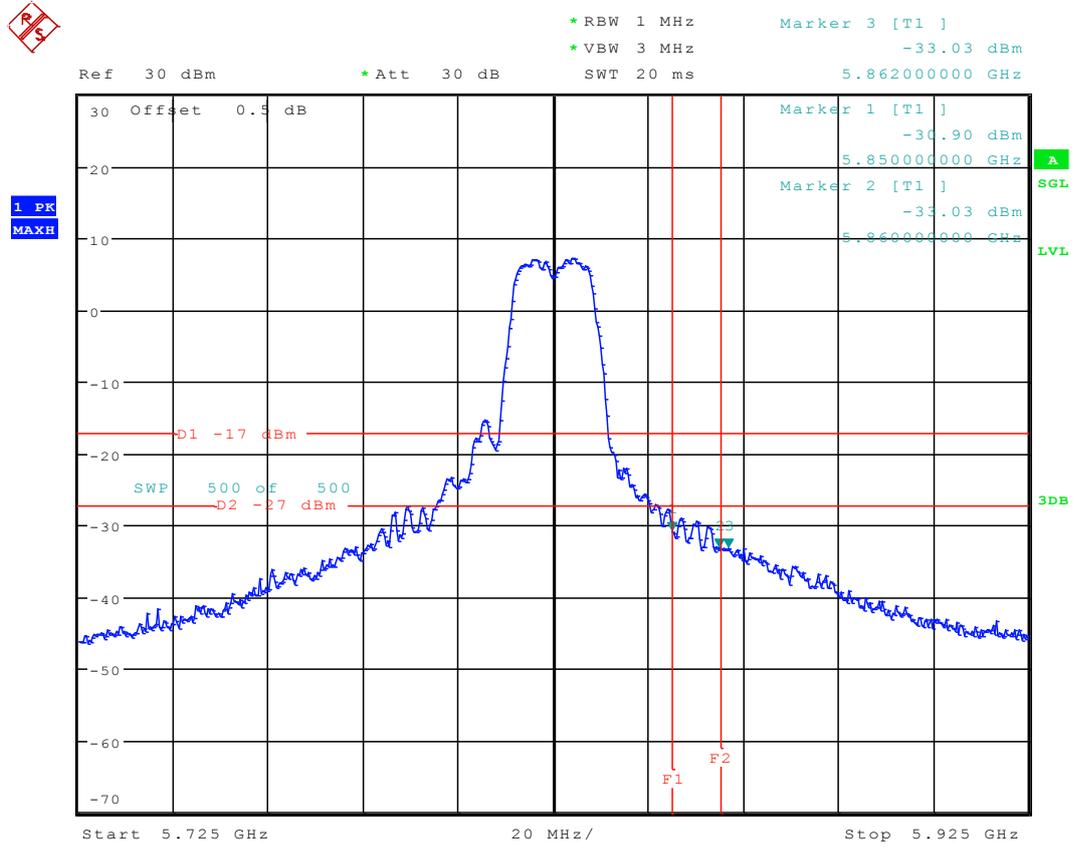
Date: 13.DEC.2016 16:15:35

7.33 11N20_36 Ant 1
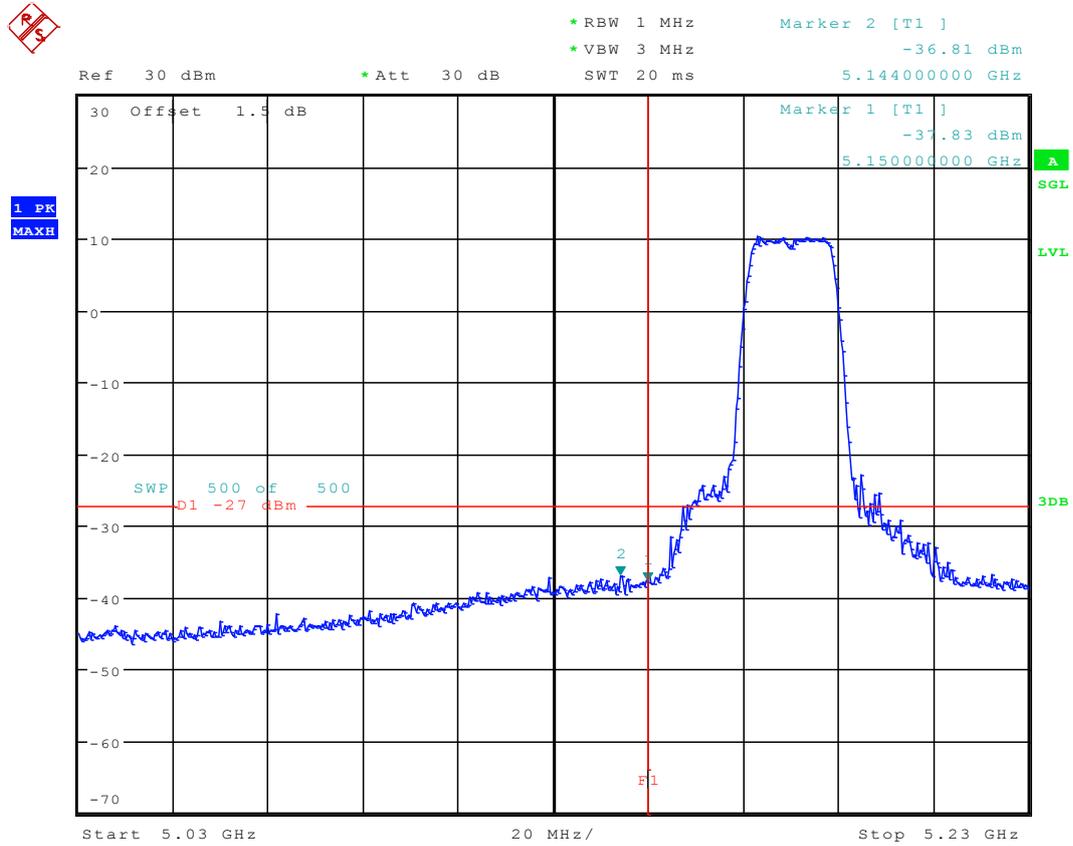
Date: 30.NOV.2016 15:43:24

7.34 11N20_36 Ant 2


```
                                              * RBW  1 MHz      Marker 2 [T1 ]
                                              * VBW  3 MHz              -27.65 dBm
                Ref  30 dBm            * Att  30 dB    SWT 20 ms    5.149666667 GHz

                 30  Offset  1.5 dB                      Marker 1 [T1 ]
                                                                -33.93 dBm
                -20                                      5.150000000 GHz    A
                                                                           SGL
        1 PK
        MAXH
                -10                                                         LVL

                 0

                -10

                -20
                 SWP   500 of   500                                         3DB
                 D1 -27 dBm
                -30

                -40

                -50

                -60

                -70
                Start 5.03 GHz              20 MHz/          Stop 5.23 GHz
```
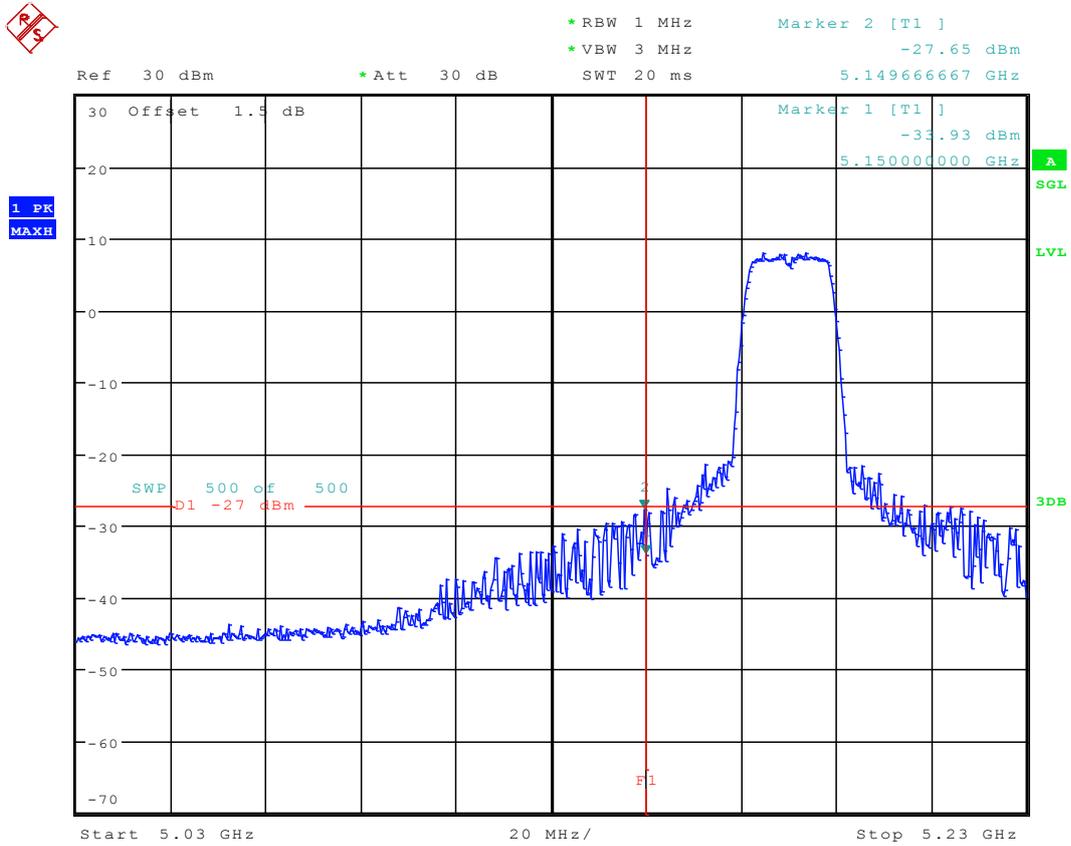
Date: 3.DEC.2016 10:13:41

7.35 11N20M_36 Ant 1
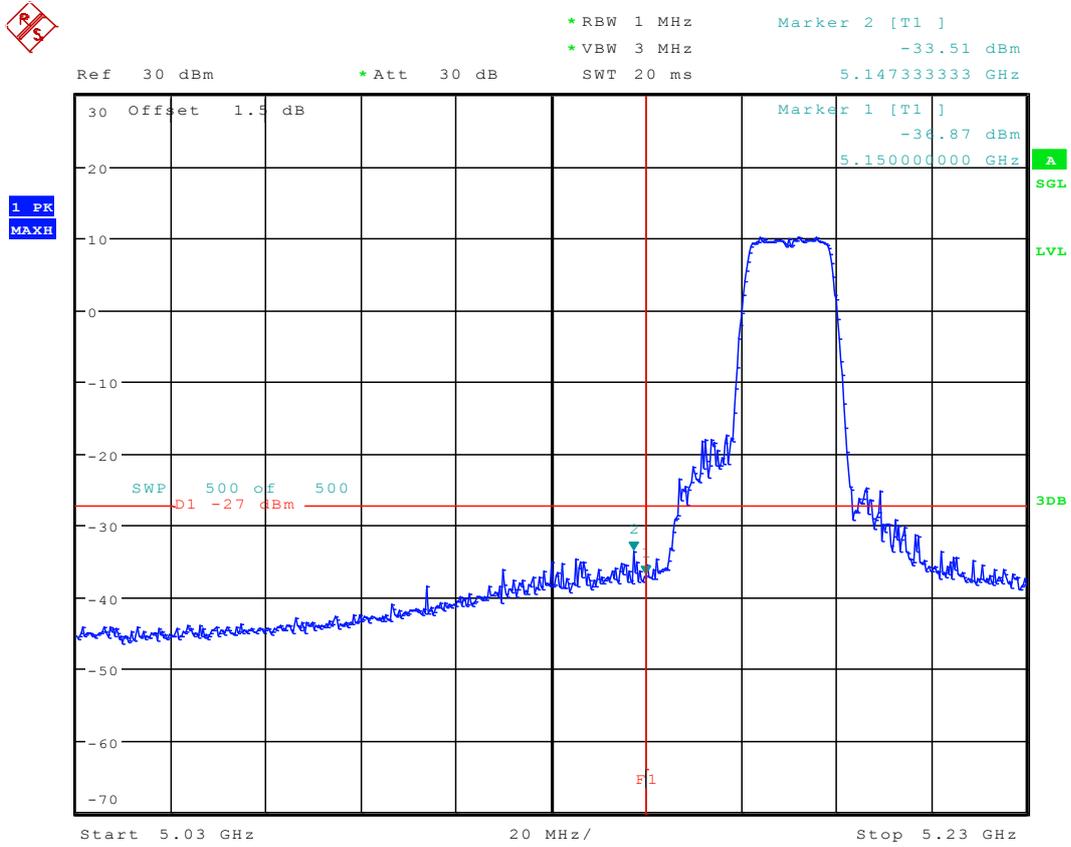
Date: 8.DEC.2016 10:24:48

7.36 11N20M_36 Ant 2
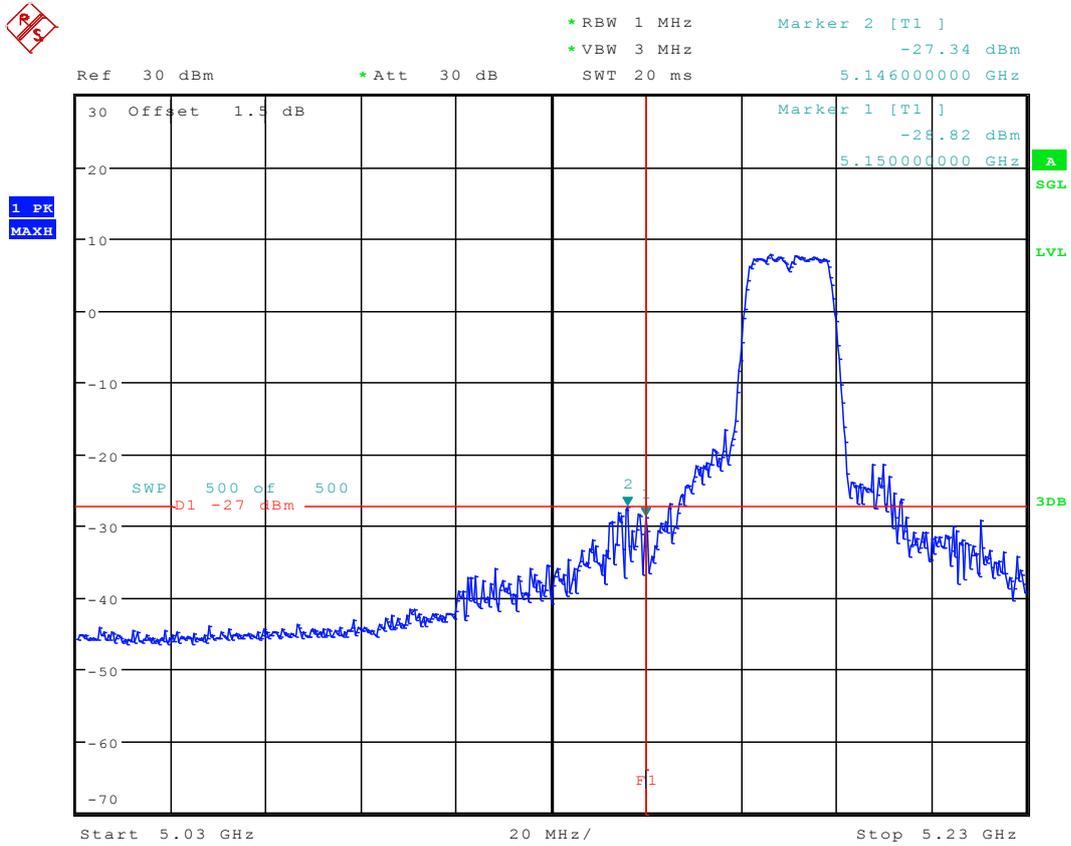
Date: 10.DEC.2016 11:48:24

7.37   11N20_48 Ant 1
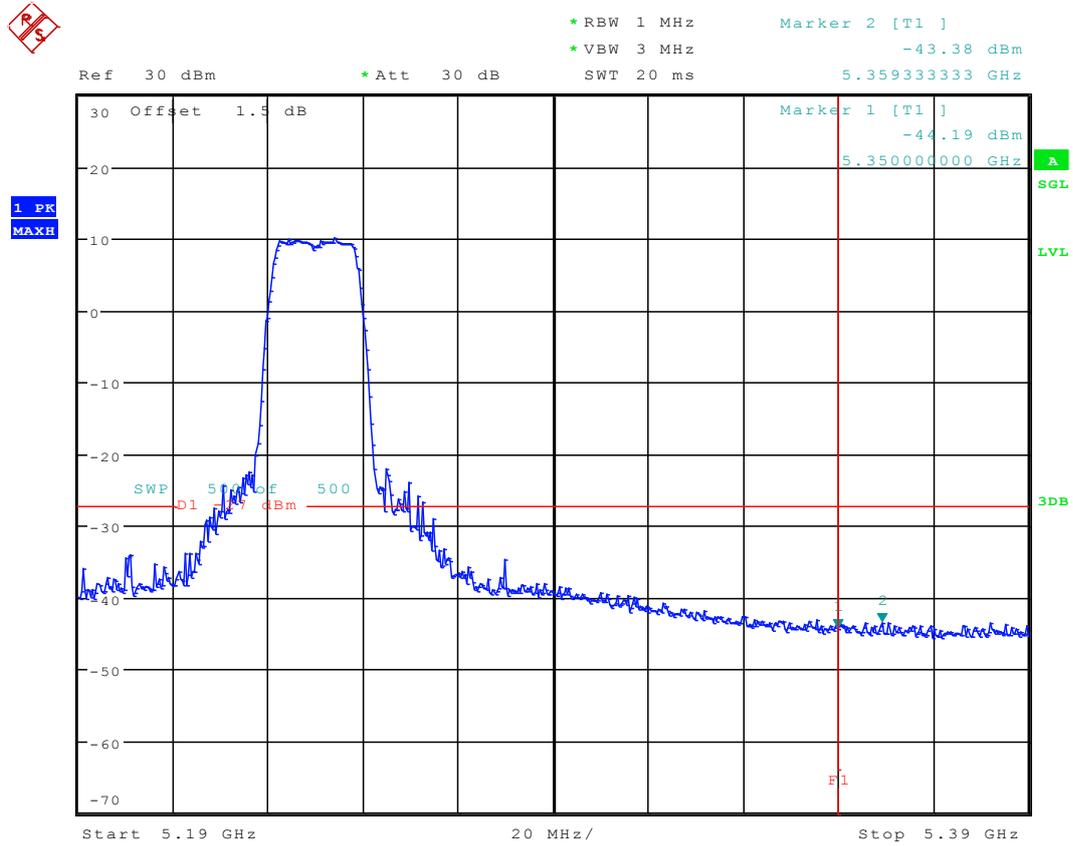
Date: 30.NOV.2016 15:52:49

7.38 11N20_48 Ant 2
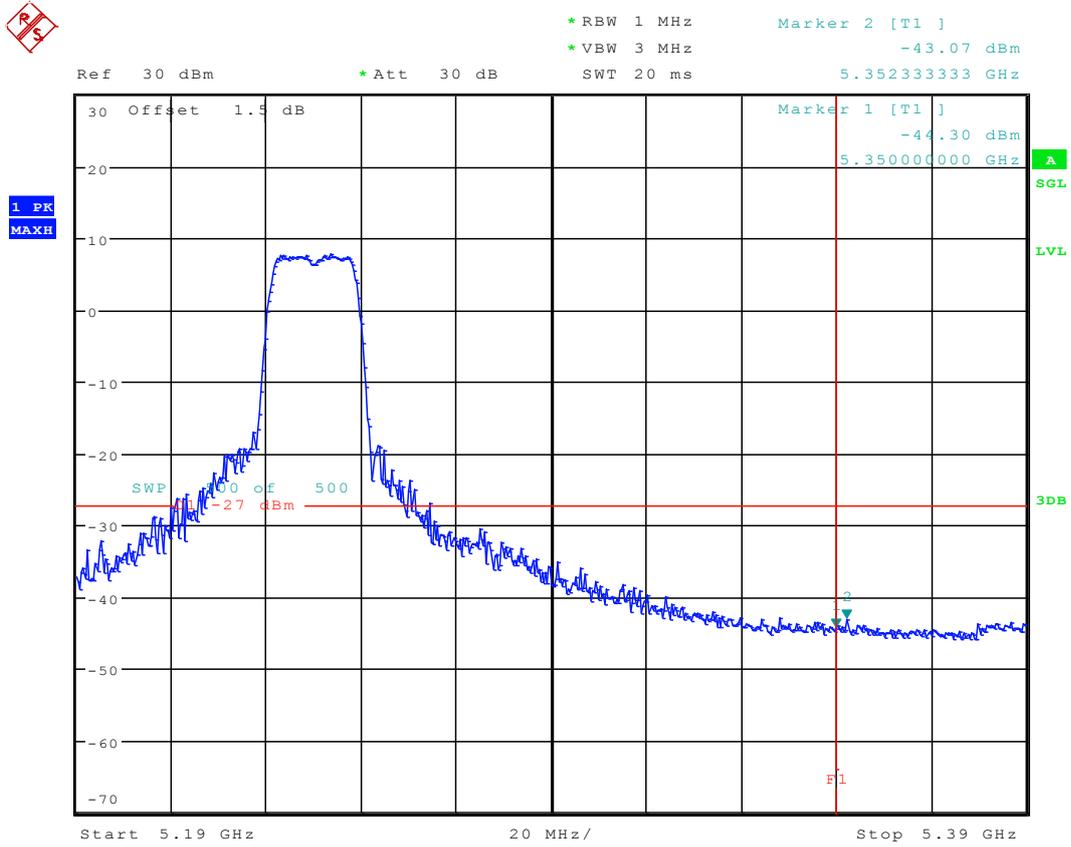
Date: 3.DEC.2016 10:20:06

7.39   11N20M_48 Ant 1
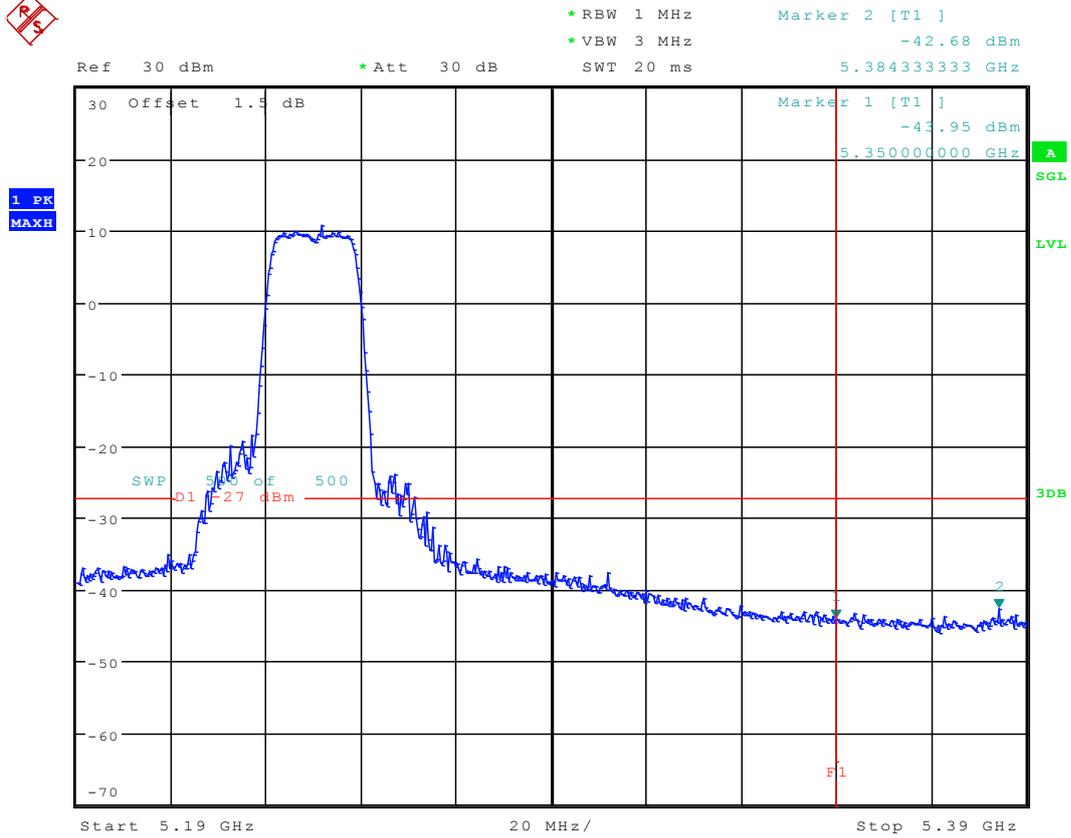
Date: 8.DEC.2016 10:40:44

7.40 11N20M_48 Ant 2

```
                                          * RBW 1 MHz      Marker 2 [T1 ]
                                          * VBW 3 MHz              -43.11 dBm
        Ref  30 dBm          * Att  30 dB   SWT 20 ms      5.374333333 GHz

        30 Offset  1.5 dB                              Marker 1 [T1 ]
                                                               -44.29 dBm
      -20                                              5.350000000 GHz   A
                                                                         SGL
 1 PK
 MAXH -10                                                                LVL

        0

      -10

      -20
        SWP    0 of   500                                                3DB
      M1 -27 dBm
      -40

      -50

      -60

      -70
      Start  5.19 GHz           20 MHz/           Stop  5.39 GHz
```
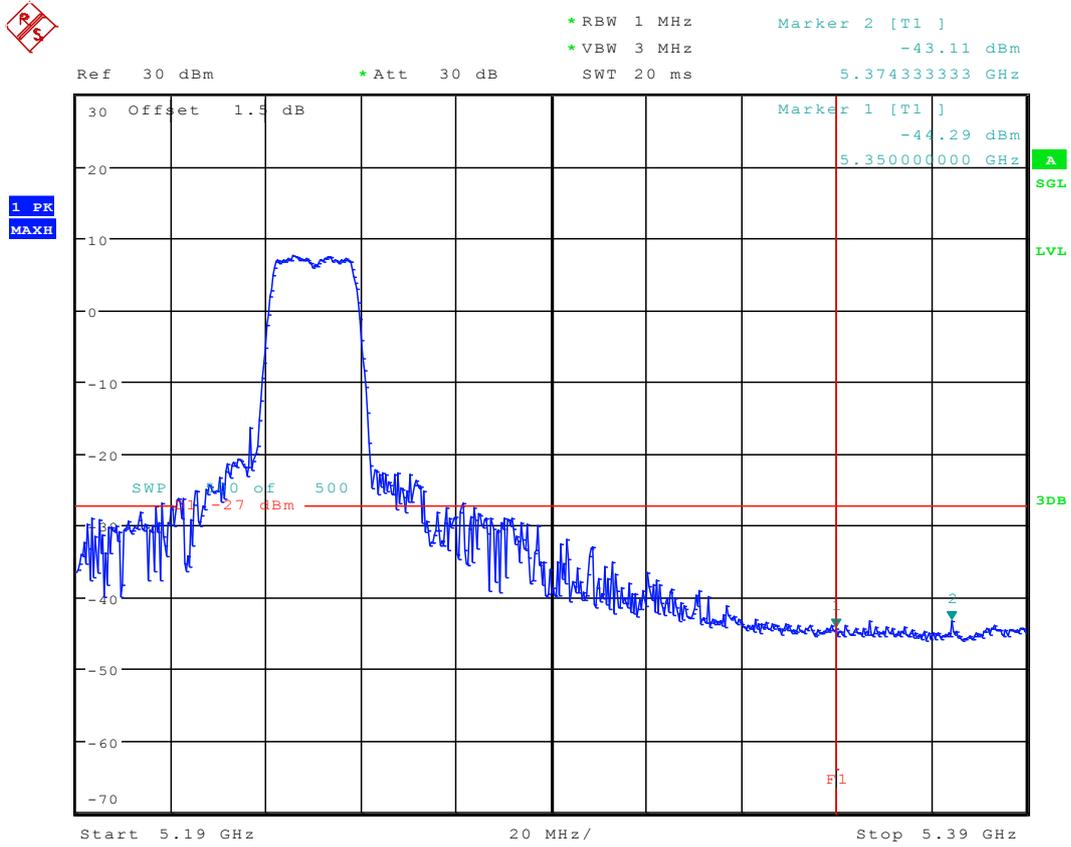
Date: 9.DEC.2016 10:44:41

7.41 11N20_52 Ant 1
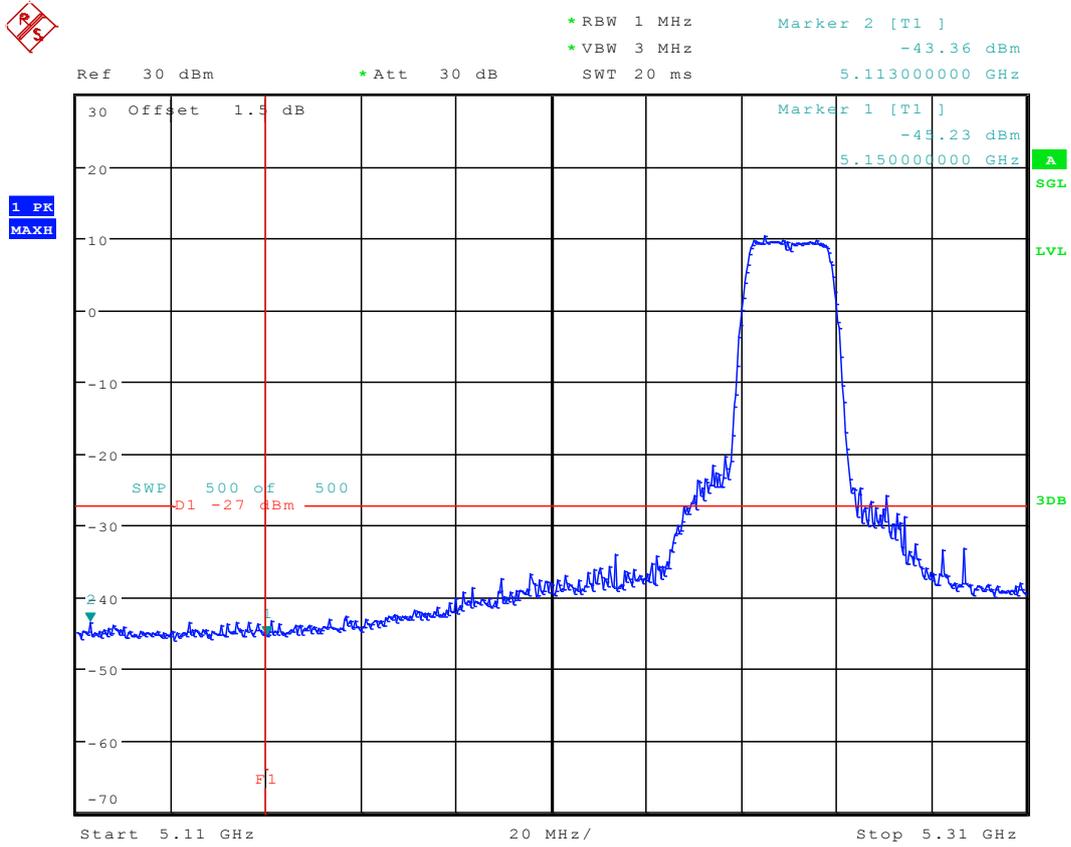
Date: 30.NOV.2016 15:58:03

7.42 11N20_52 Ant 2
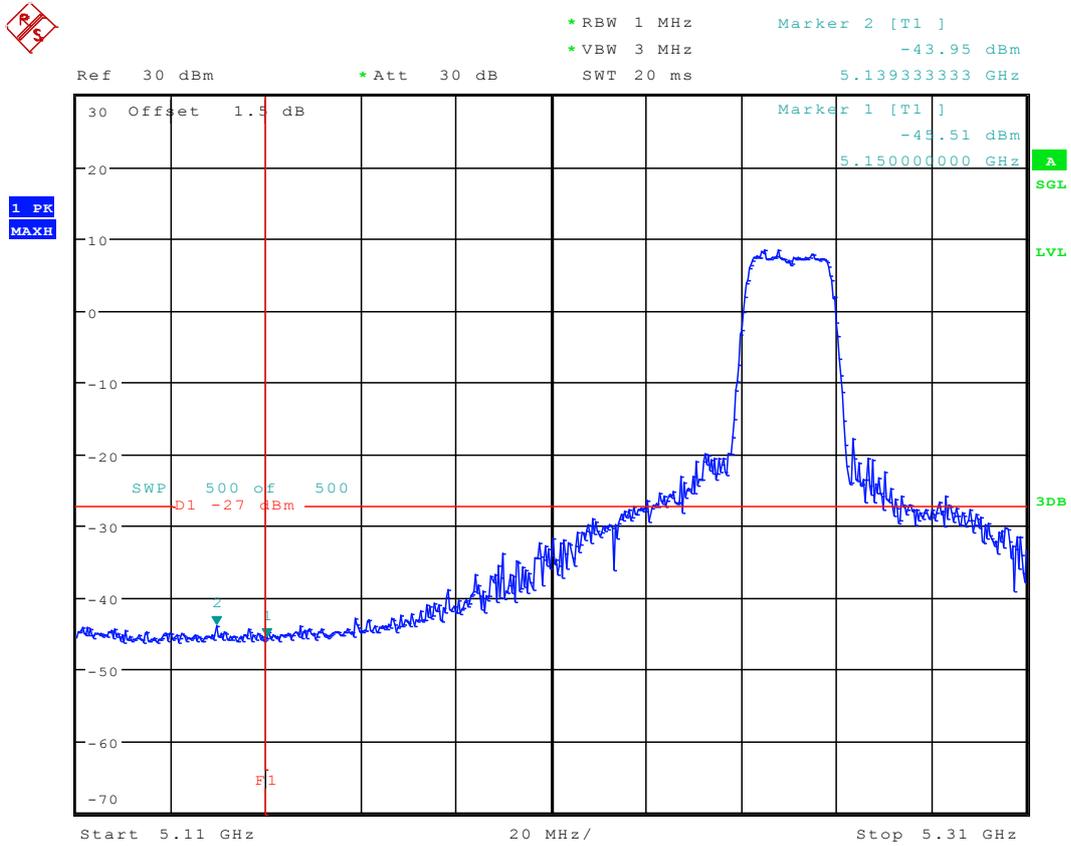
Date: 3.DEC.2016 10:25:29

7.43   11N20M_52 Ant 1
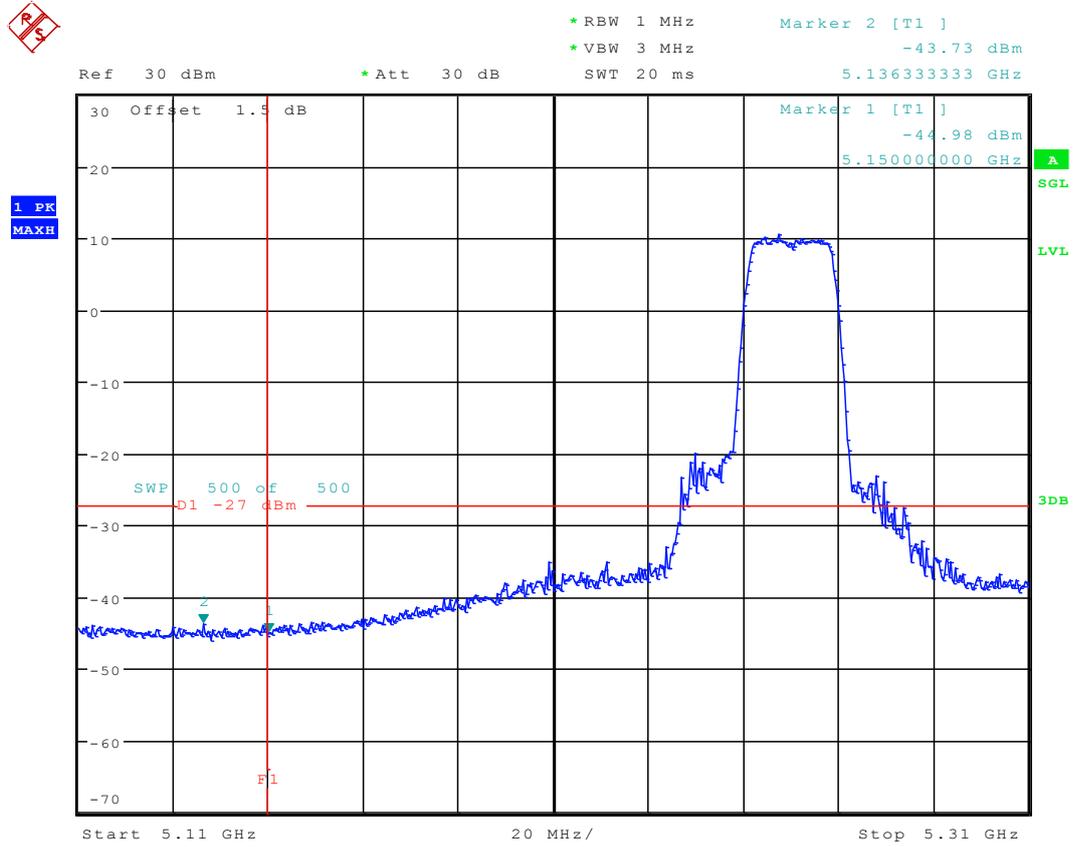
Date: 8.DEC.2016 10:46:15

7.44   11N20M_52 Ant 2
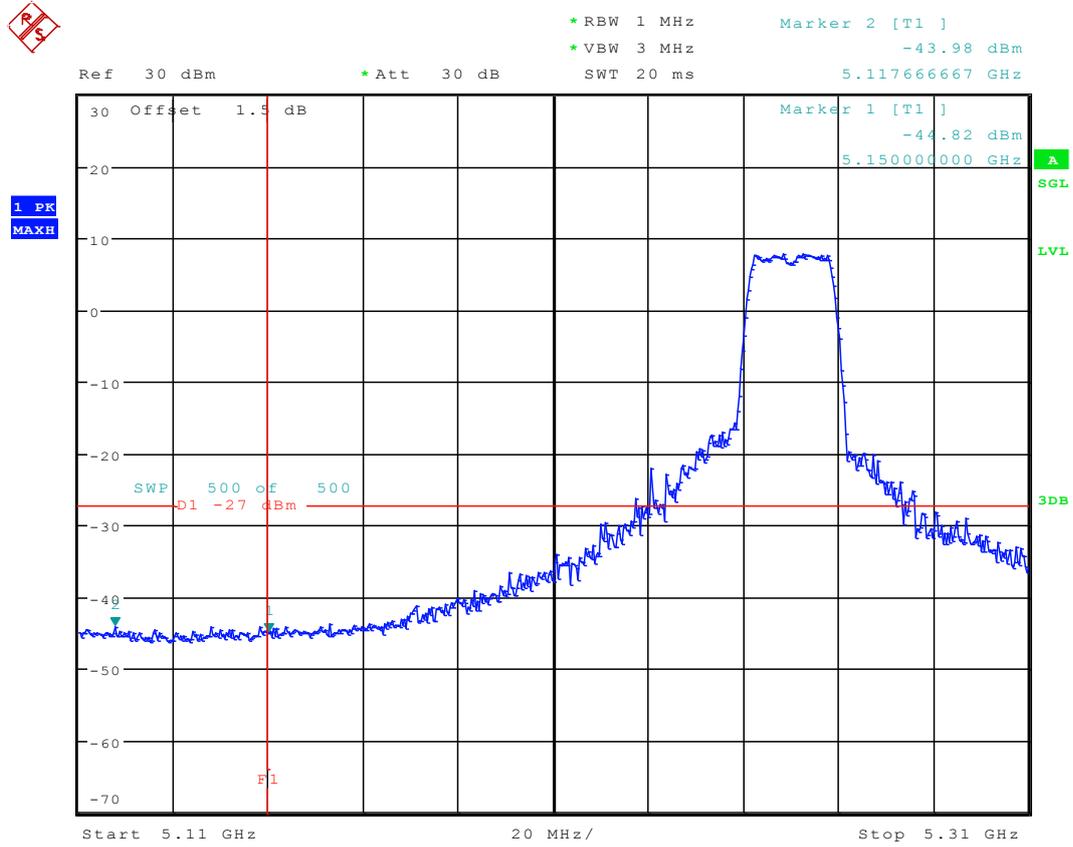
Date: 9.DEC.2016 14:58:21

7.45 11N20_64 Ant 1
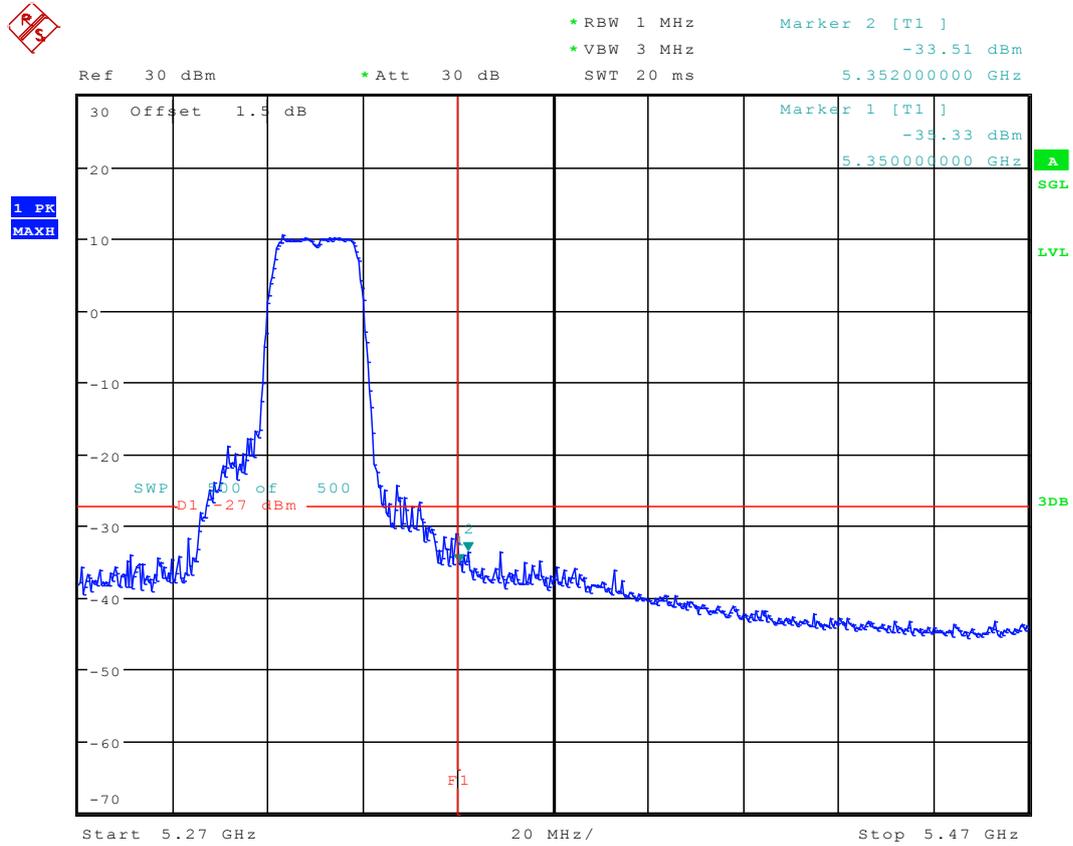
Date: 30.NOV.2016 16:02:52

7.46 11N20_64 Ant 2
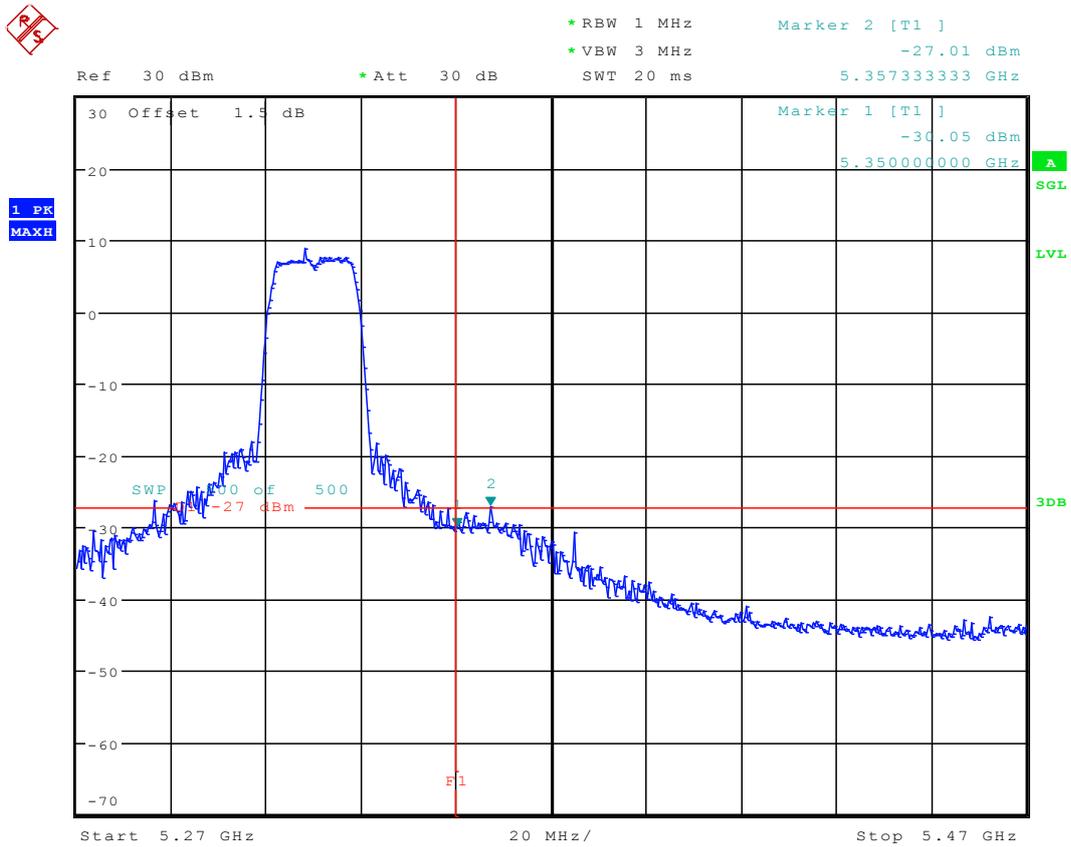
Date: 3.DEC.2016 10:30:18

7.47 11N20M_64 Ant 1
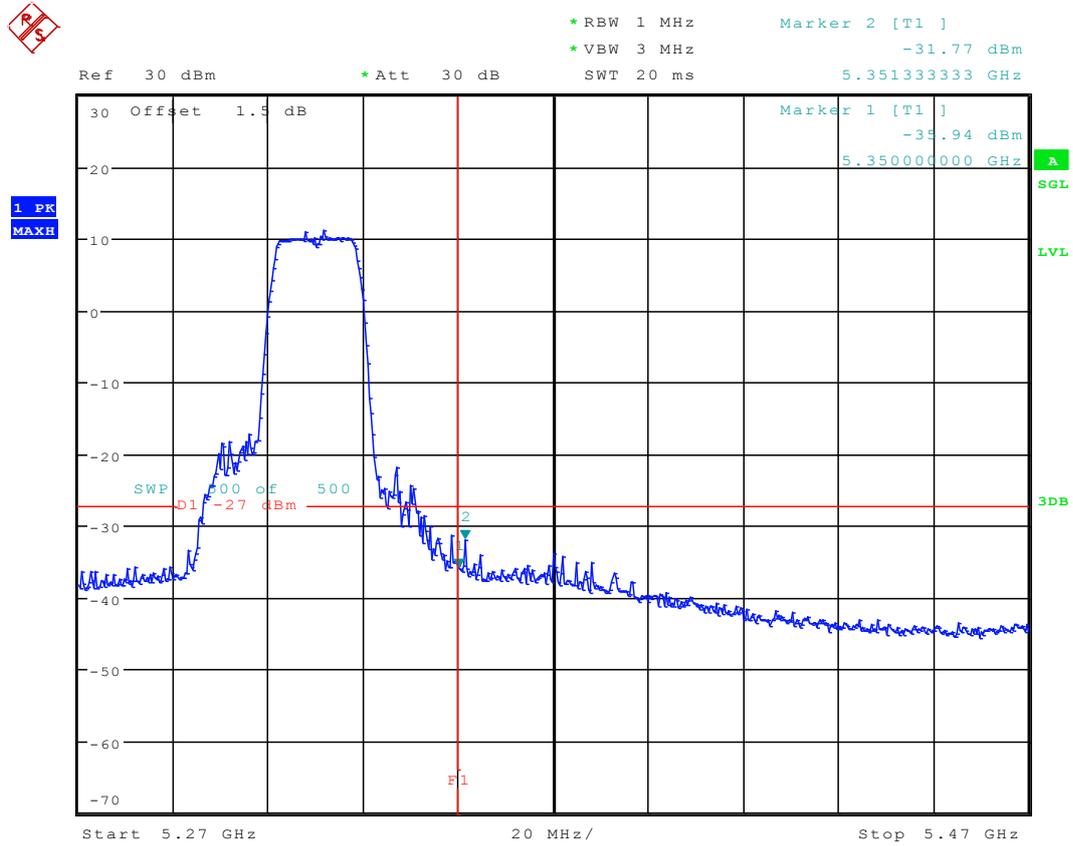
Date: 8.DEC.2016 10:52:49

7.48 11N20M_64 Ant 2
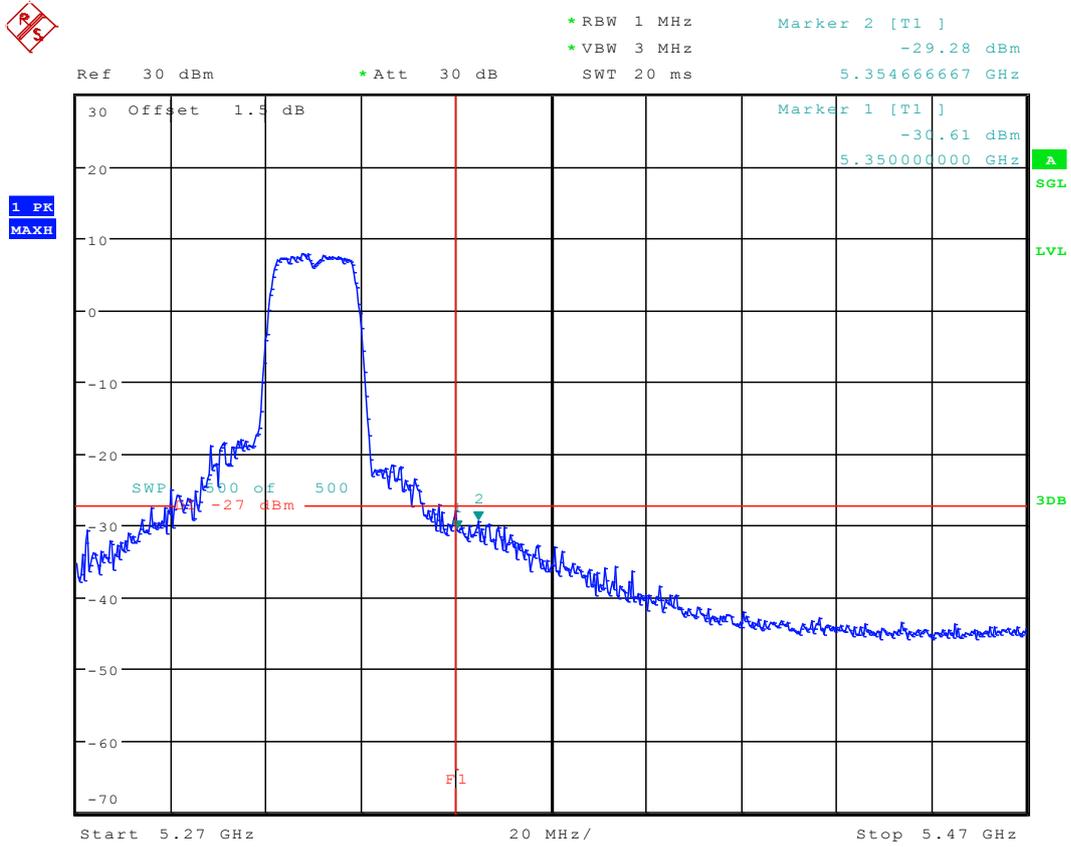
Date: 9.DEC.2016 10:56:14

7.49   11N20_100 Ant 1
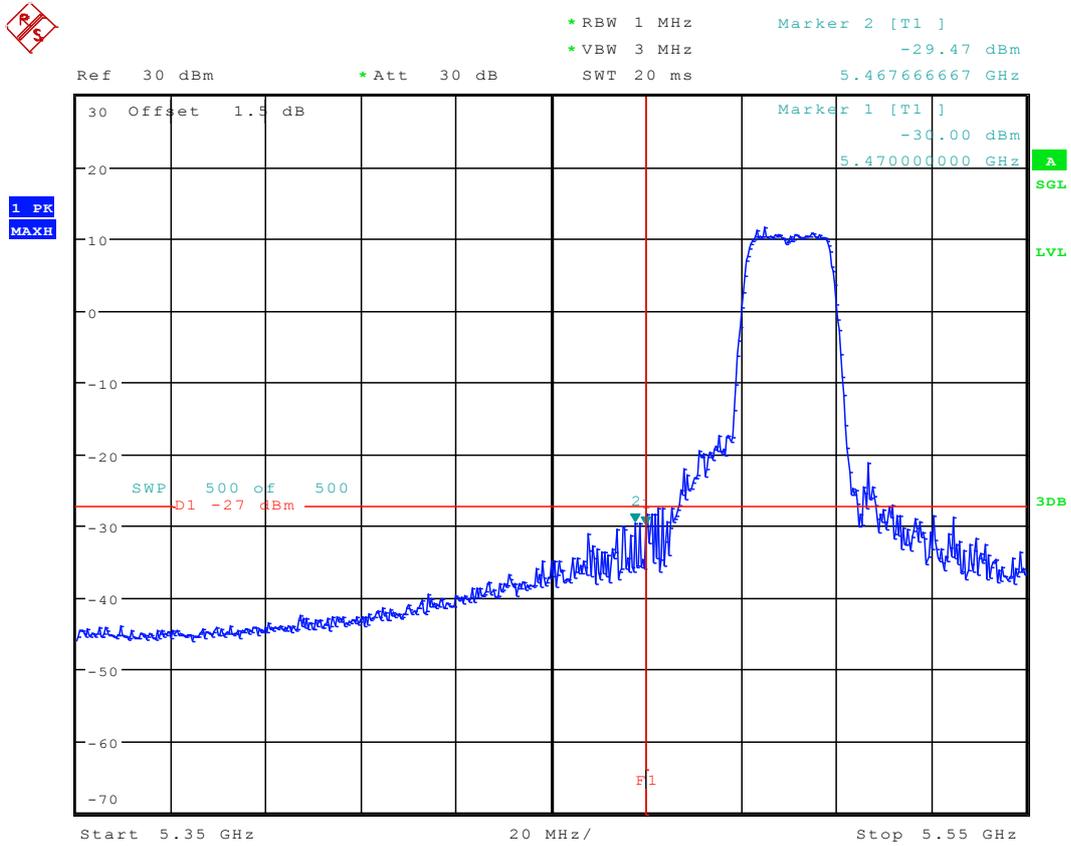
Date: 30.NOV.2016 16:10:01

7.50 11N20_100 Ant 2
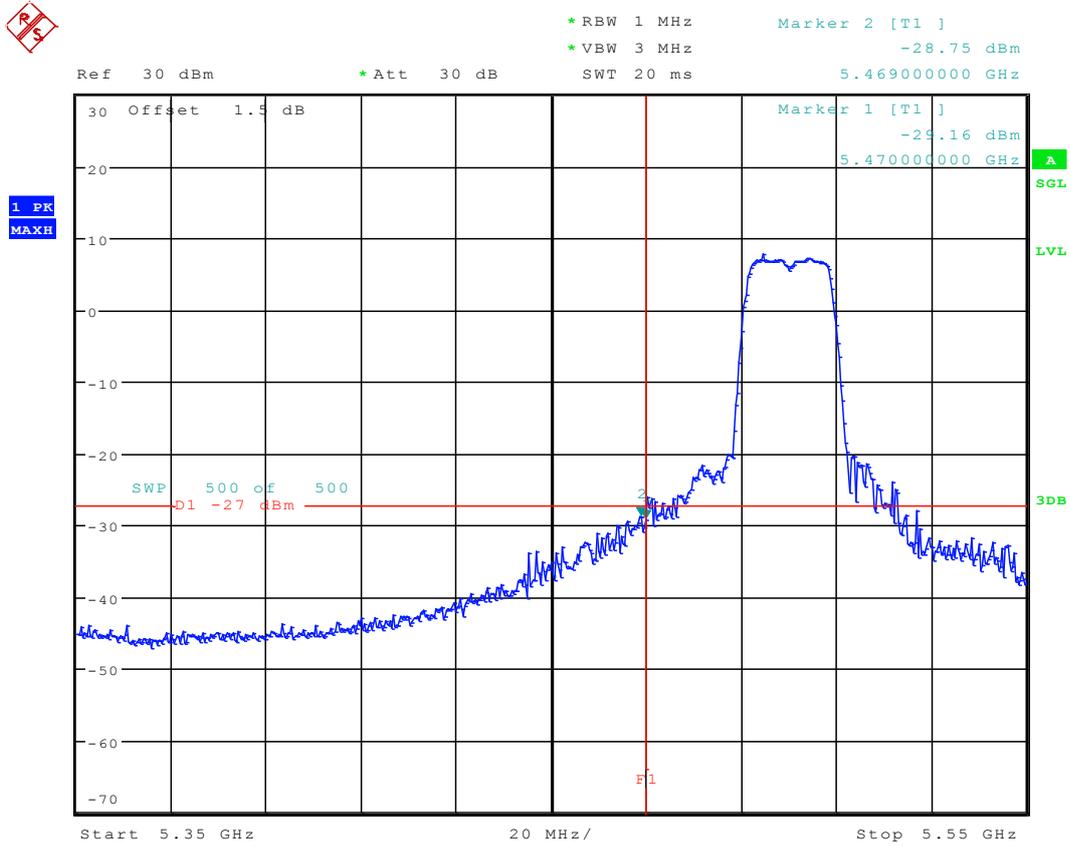
Date: 3.DEC.2016 10:42:52

7.51   11N20M_100 Ant 1
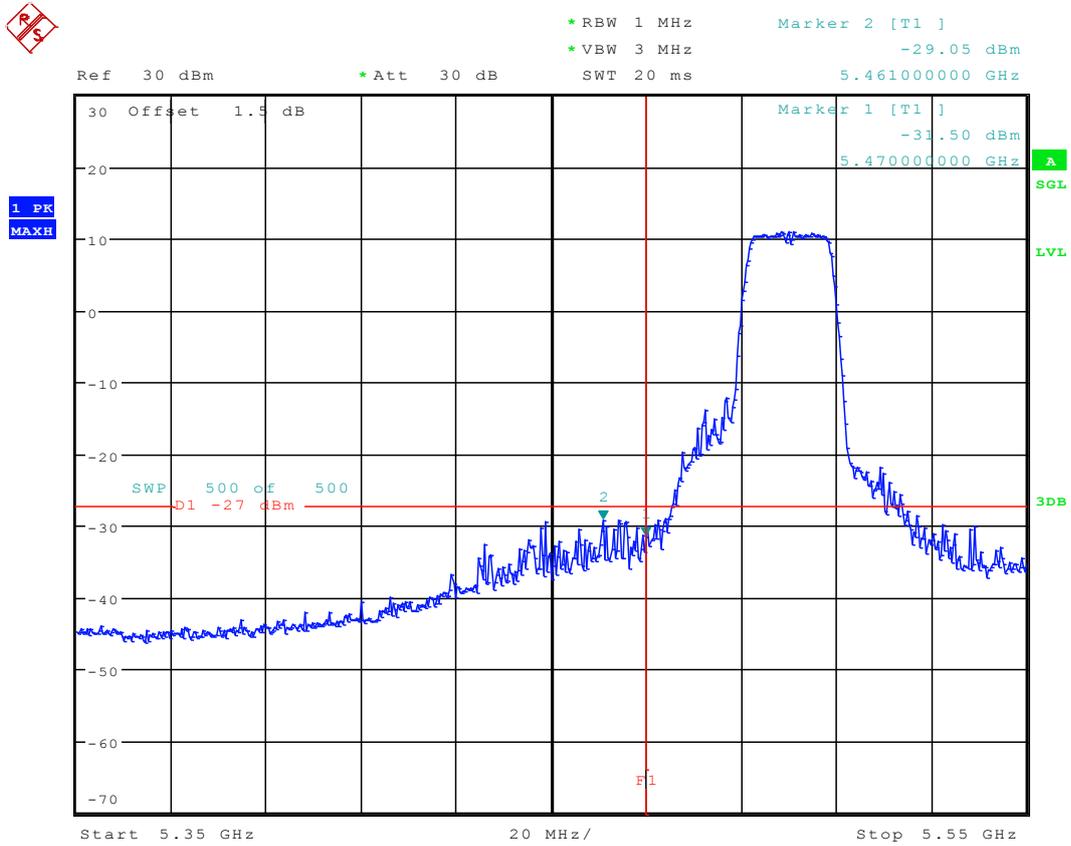
Date: 8.DEC.2016 10:58:07

7.52 11N20M_100 Ant 2
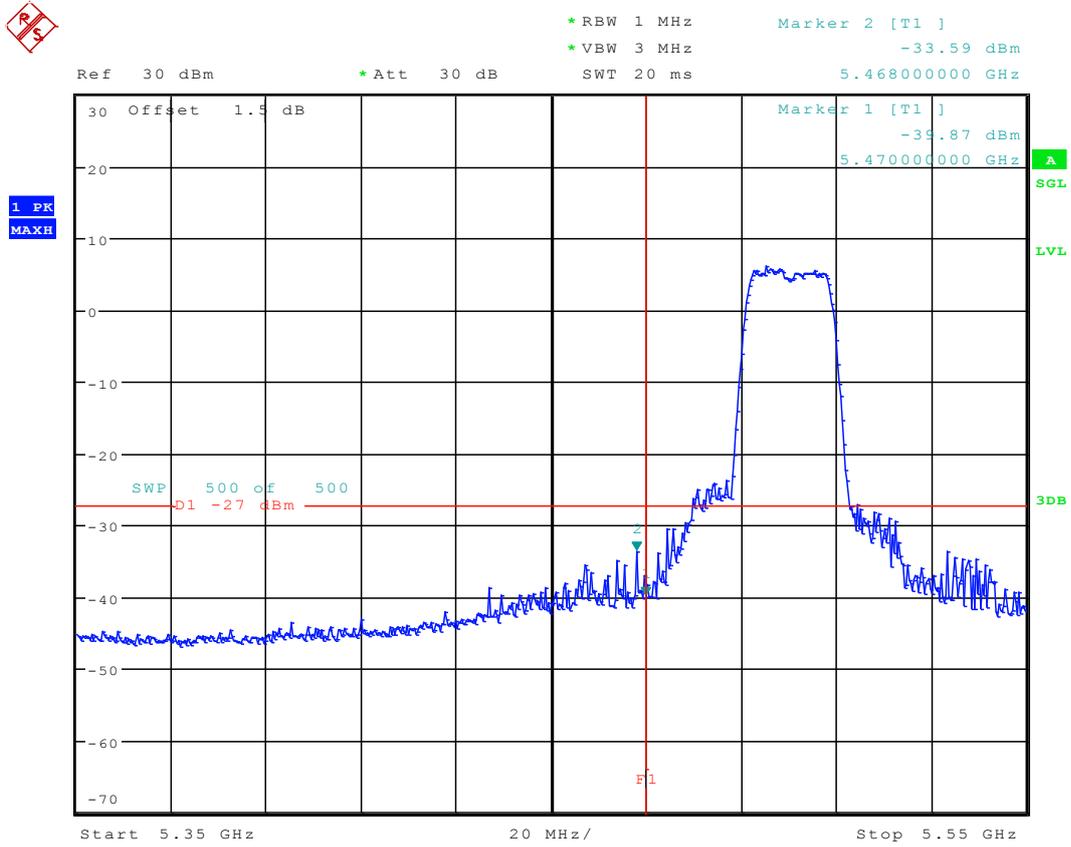
Date: 13.DEC.2016 19:30:10

7.53 11N20_140 Ant 1


```
                                            * RBW  1 MHz        Marker 2 [T1 ]
                                            * VBW  3 MHz                  -28.52 dBm
     Ref  30 dBm              * Att  30 dB    SWT 20 ms          5.725000000 GHz

     30  Offset  1.5 dB                                Marker 1 [T1 ]
                                                                 -28.52 dBm
      20                                               5.725000000 GHz    A
                                                                         SGL
      10                                                                 LVL
       0

     -10

     -20
         SWP    5   of    500                                            3DB
     D1  27 dBm                        2
     -30

     -40

     -50

     -60
                                    F1
     -70
     Start  5.65 GHz              20 MHz/              Stop  5.85 GHz
```
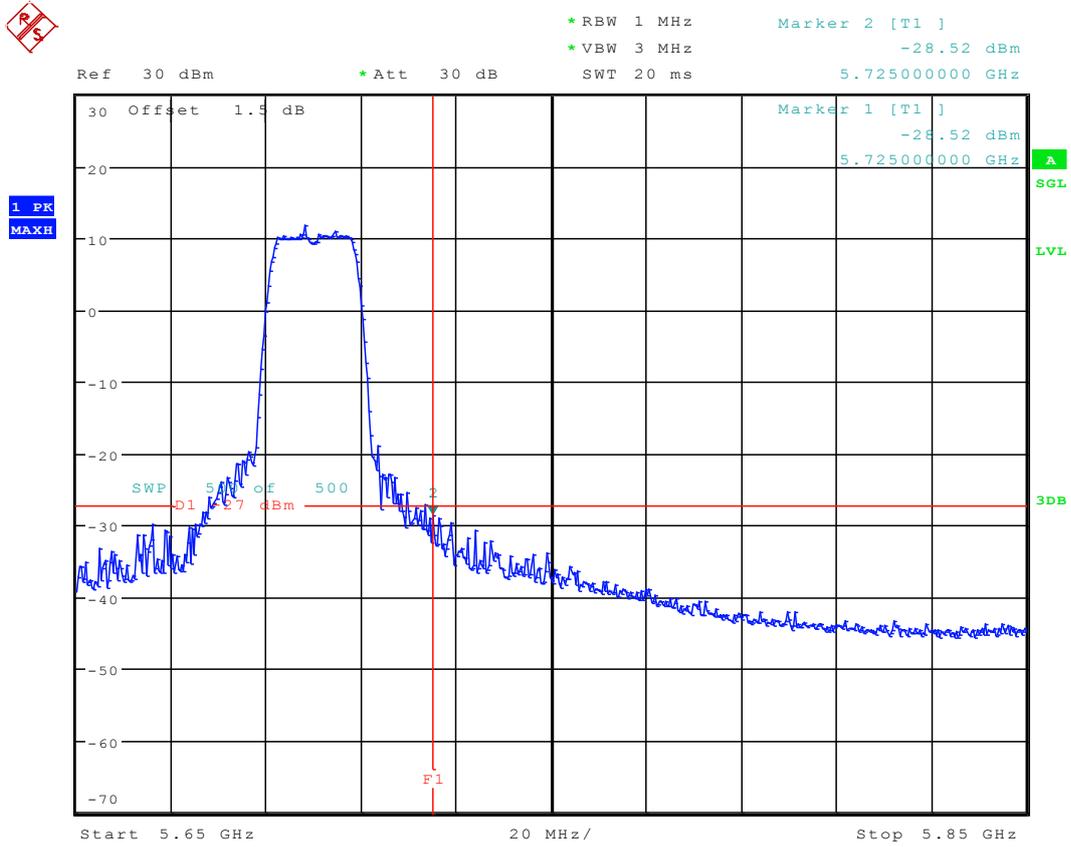
Date: 30.NOV.2016 16:14:46

7.54   11N20_140 Ant 2
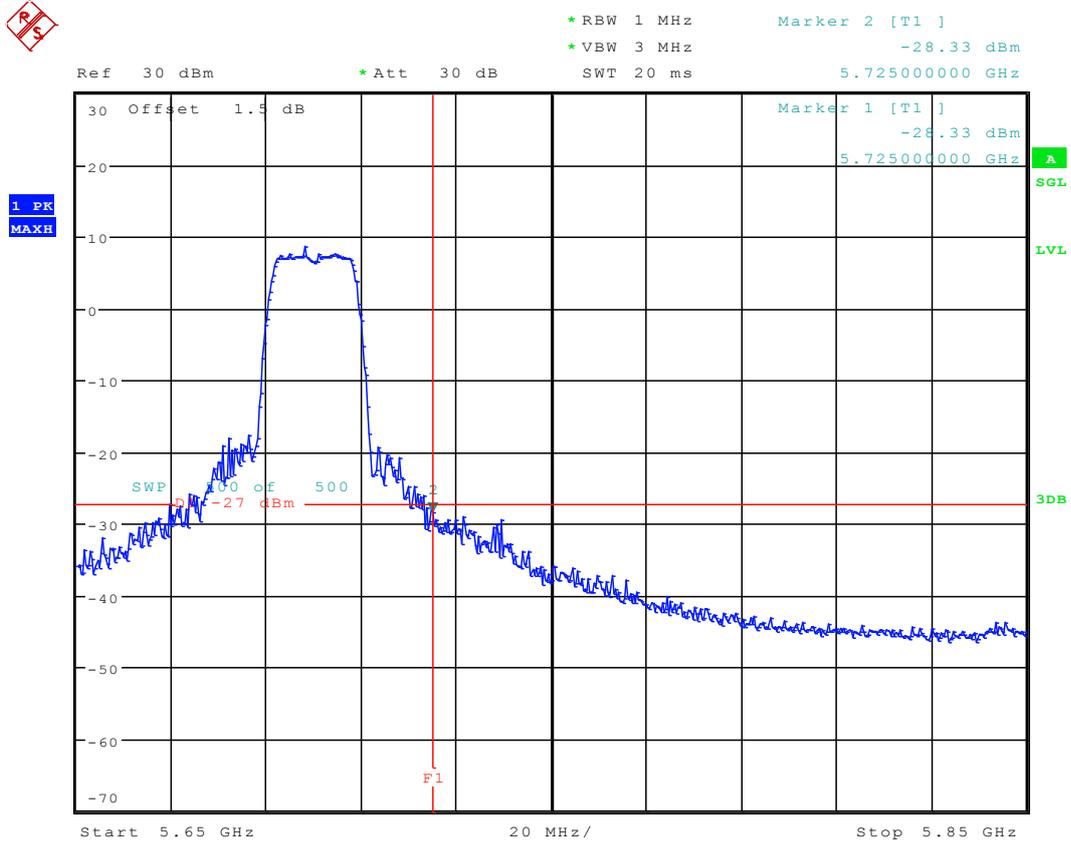
Date: 3.DEC.2016 10:50:52

7.55 11N20M_140 Ant 1

```
                                          * RBW  1 MHz        Marker 2 [T1 ]
                                          * VBW  3 MHz                    -31.48 dBm
         Ref  30 dBm           * Att  30 dB    SWT 20 ms         5.728000000 GHz

         30  Offset  1.5 dB                          Marker 1 [T1 ]
                                                                 -33.12 dBm
        20                                               5.725000000 GHz   A
                                                                           SGL
  1 PK
  MAXH  10                                                                  LVL

         0

       -10

       -20
           SWP    5 0 of   500
        D1 -27 dBm                                                          3DB
       -30                        2

       -40

       -50

       -60

       -70
                              F1
       Start  5.65 GHz             20 MHz/              Stop  5.85 GHz
```
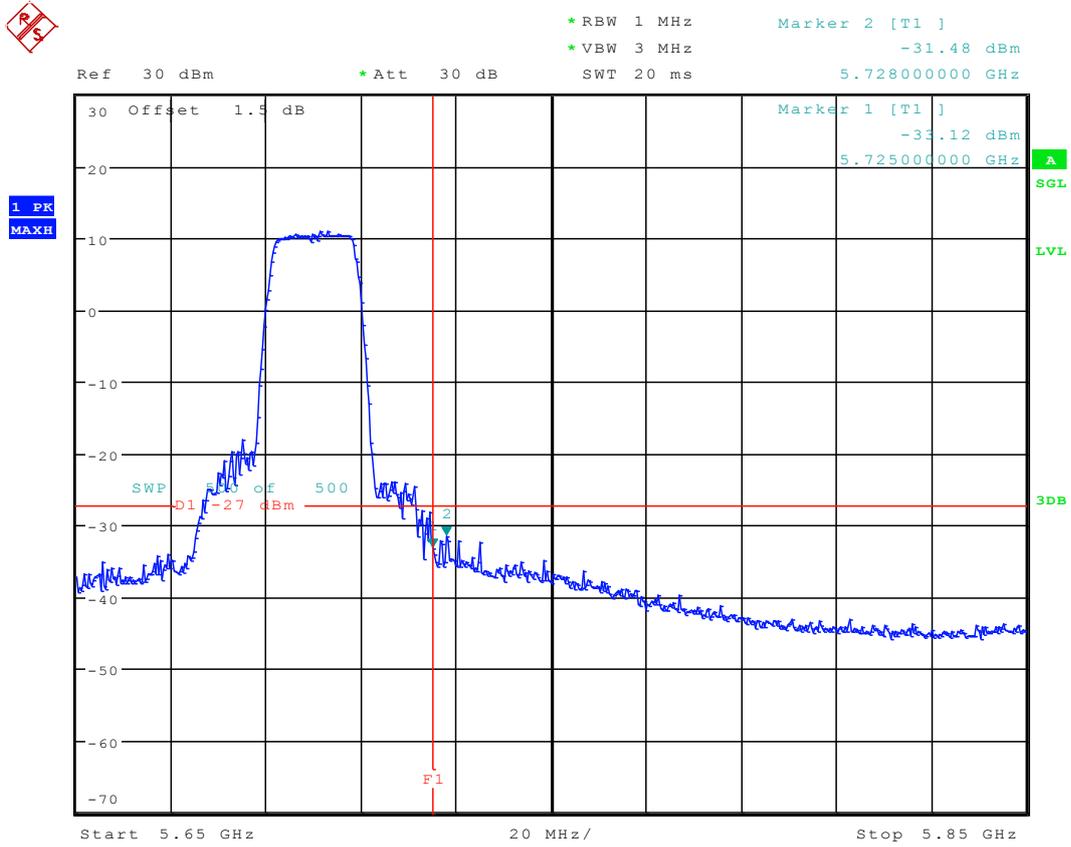
Date: 8.DEC.2016 11:02:59

7.56 11N20M_140 Ant 2
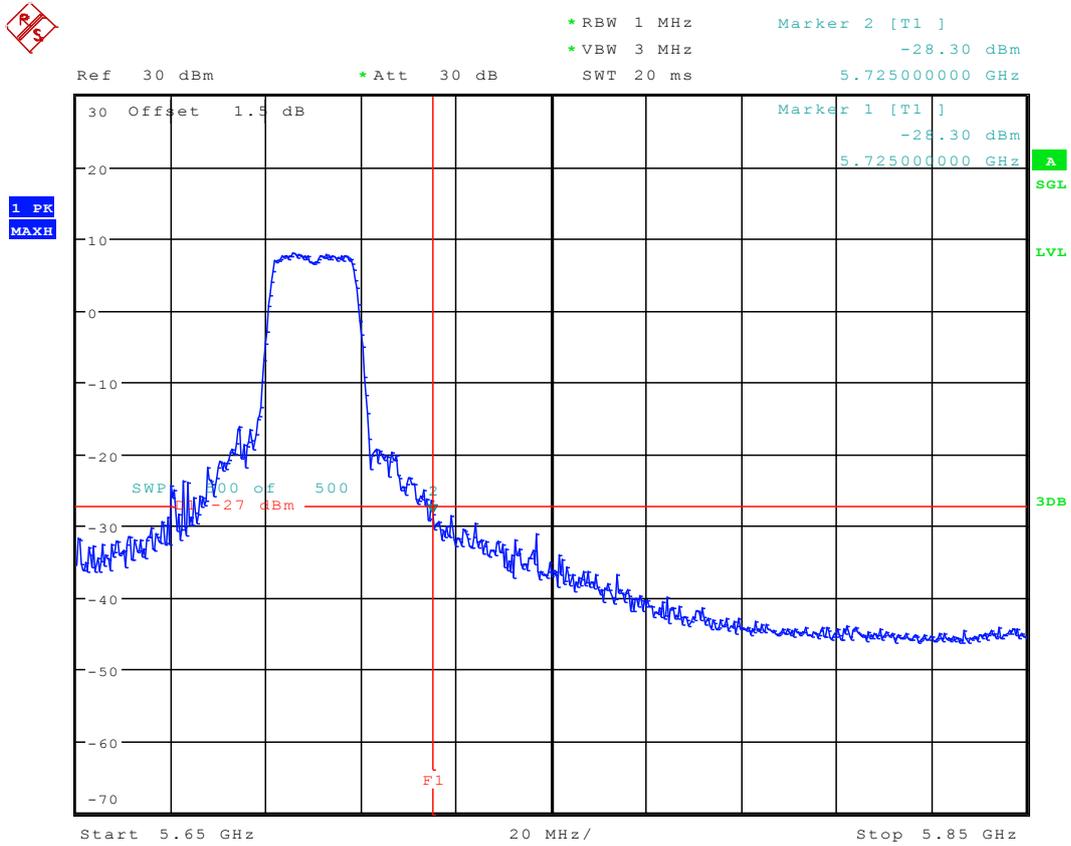
Date: 9.DEC.2016 11:17:45

7.57 11N20_149 Ant 1
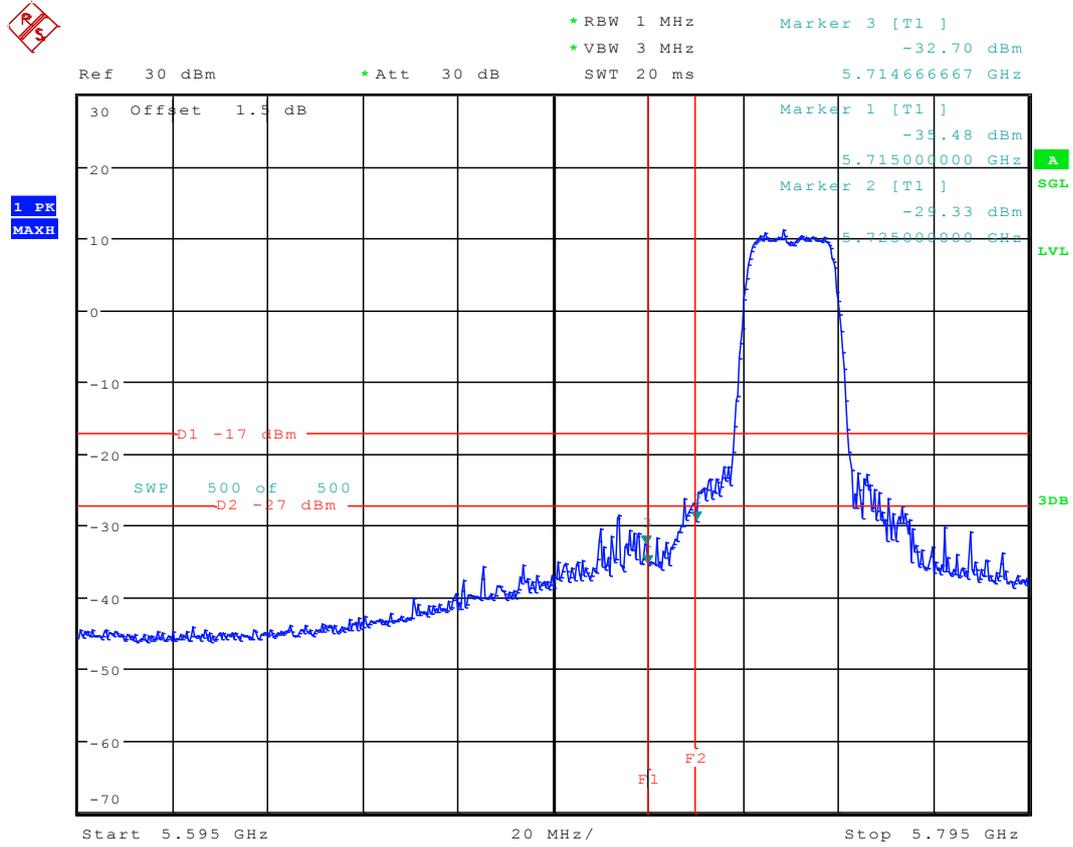
Date: 30.NOV.2016 16:20:33

7.58 11N20_149 Ant 2
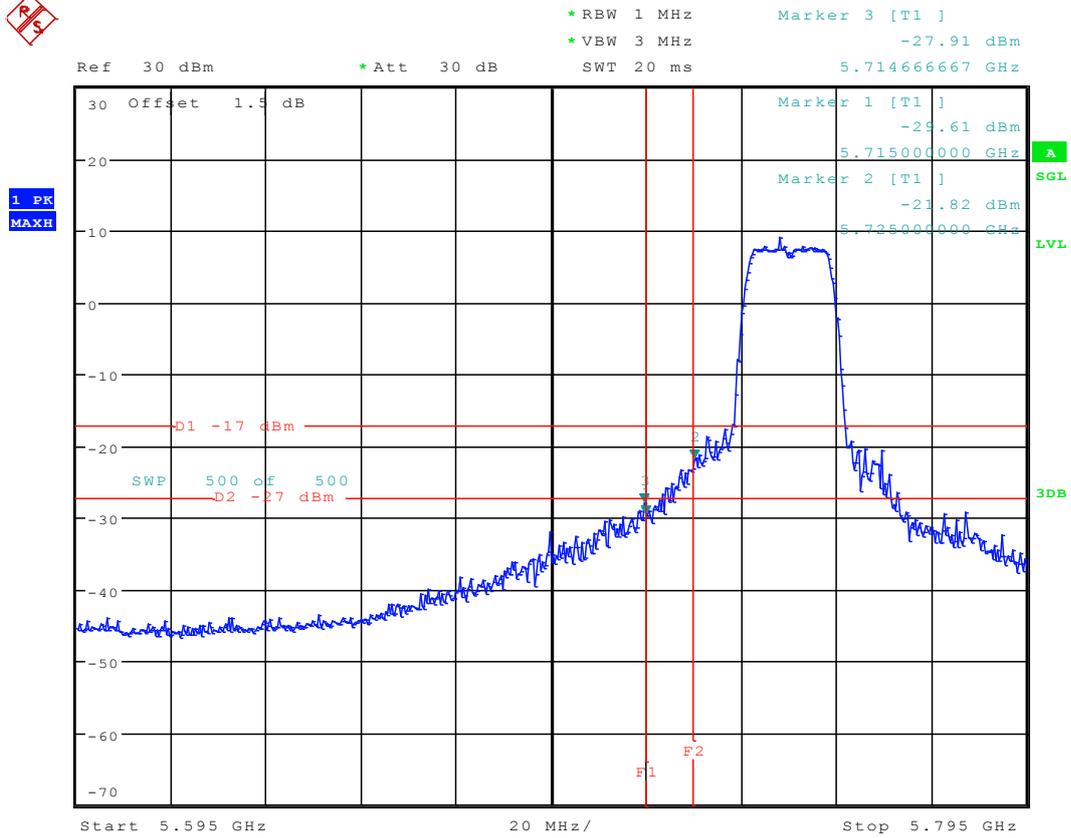
Date: 3.DEC.2016 10:56:34

7.59   11N20M_149 Ant 1
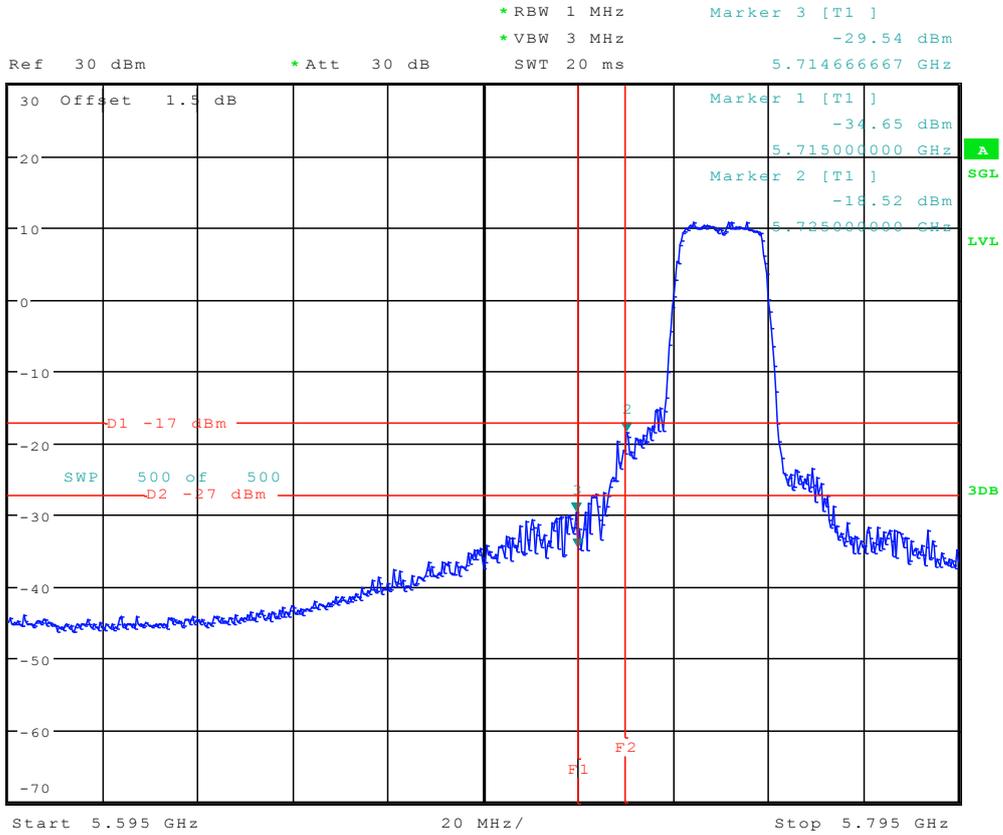
Date: 8.DEC.2016   11:16:06

7.60 11N20M_149 Ant 2

*RBW 1 MHz	Marker 3 [T1]
*VBW 3 MHz	-29.91 dBm
Ref 30 dBm *Att 30 dB SWT 20 ms	5.714666667 GHz

30 Offset 1.5 dB

Marker 1 [T1]
-31.57 dBm
5.715000000 GHz

Marker 2 [T1]
-22.09 dBm
5.725000000 GHz

1 PK
MAXH

A
SGL
LVL
3DB

D1 -17 dBm

SWP 500 of 500
D2 -27 dBm

F2
F1

Start 5.595 GHz   20 MHz/   Stop 5.795 GHz
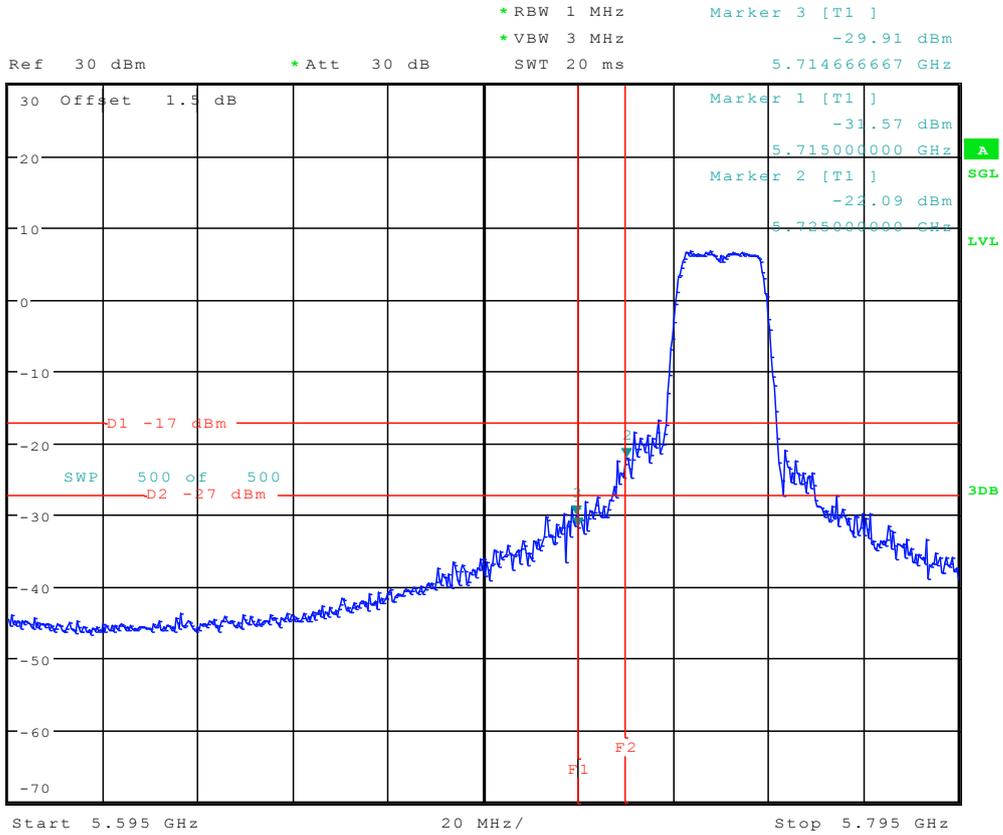
Date: 10.DEC.2016 17:33:24

7.61   11N20_165 Ant 1
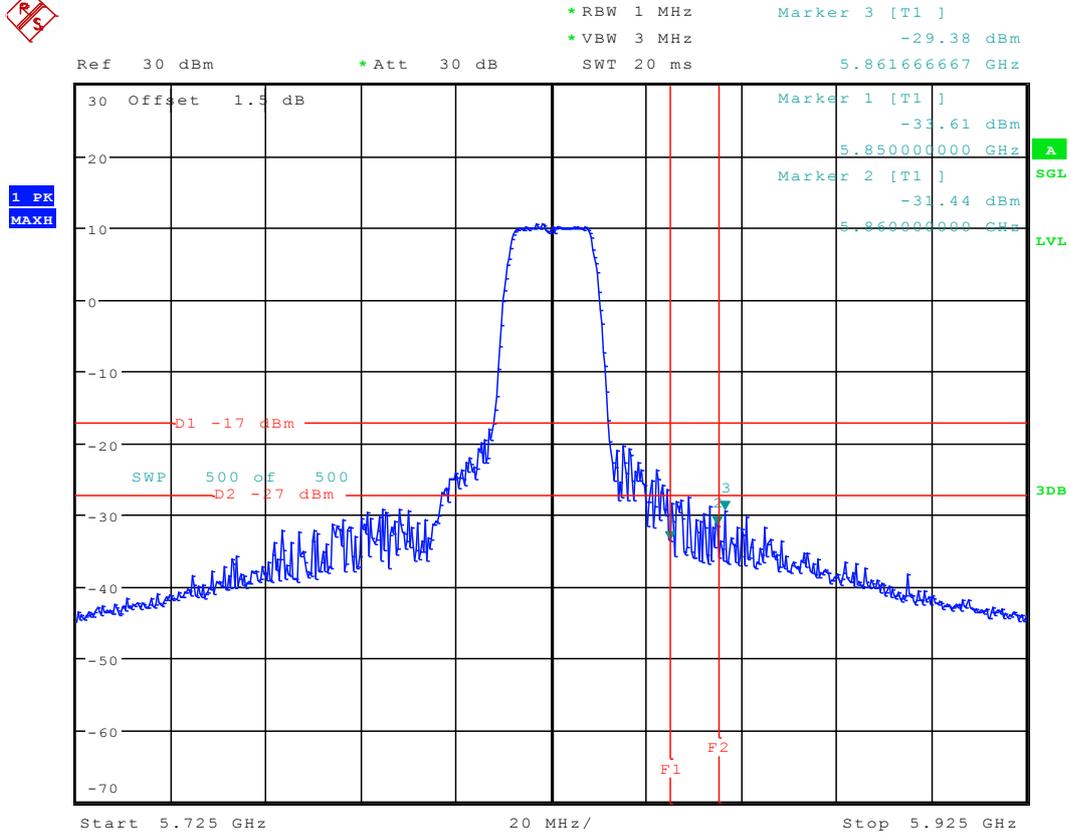
Date: 30.NOV.2016 16:26:44

7.62 11N20_165 Ant 2
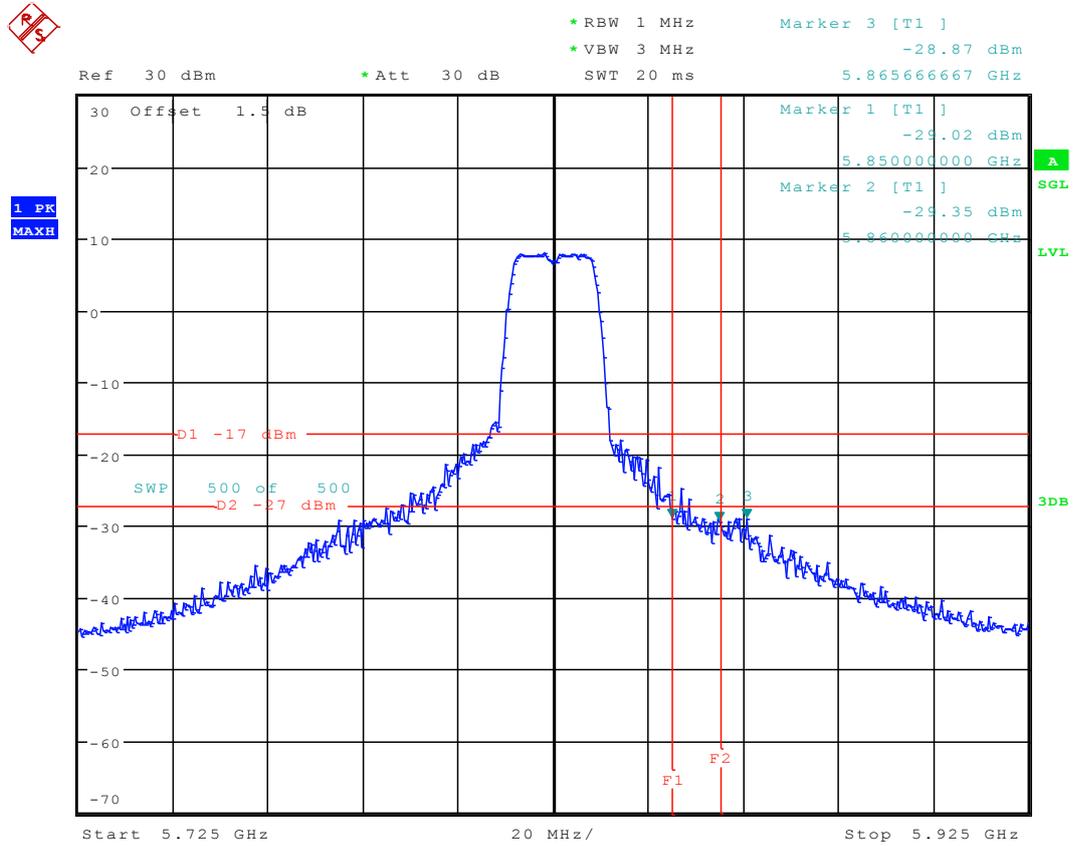
Date: 3.DEC.2016 11:02:46

7.63 11N20M_165 Ant 1
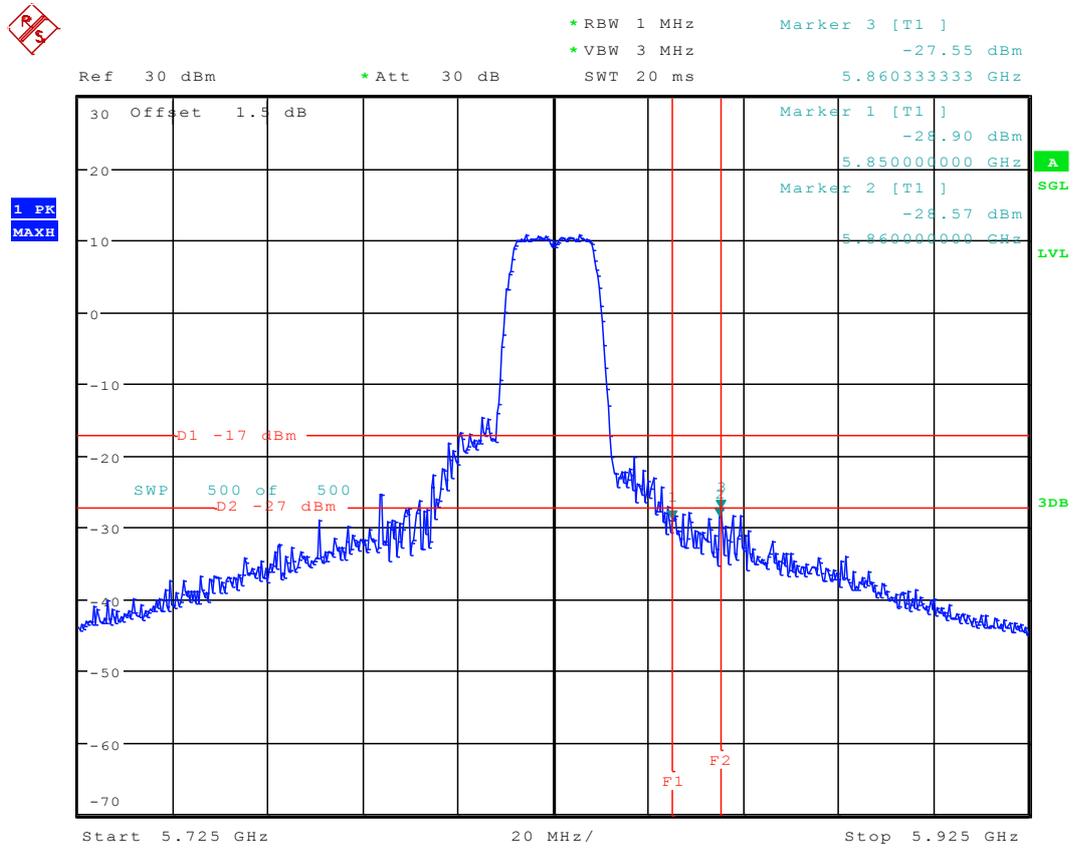
Date: 8.DEC.2016 11:22:46

7.64   11N20M_165 Ant 2
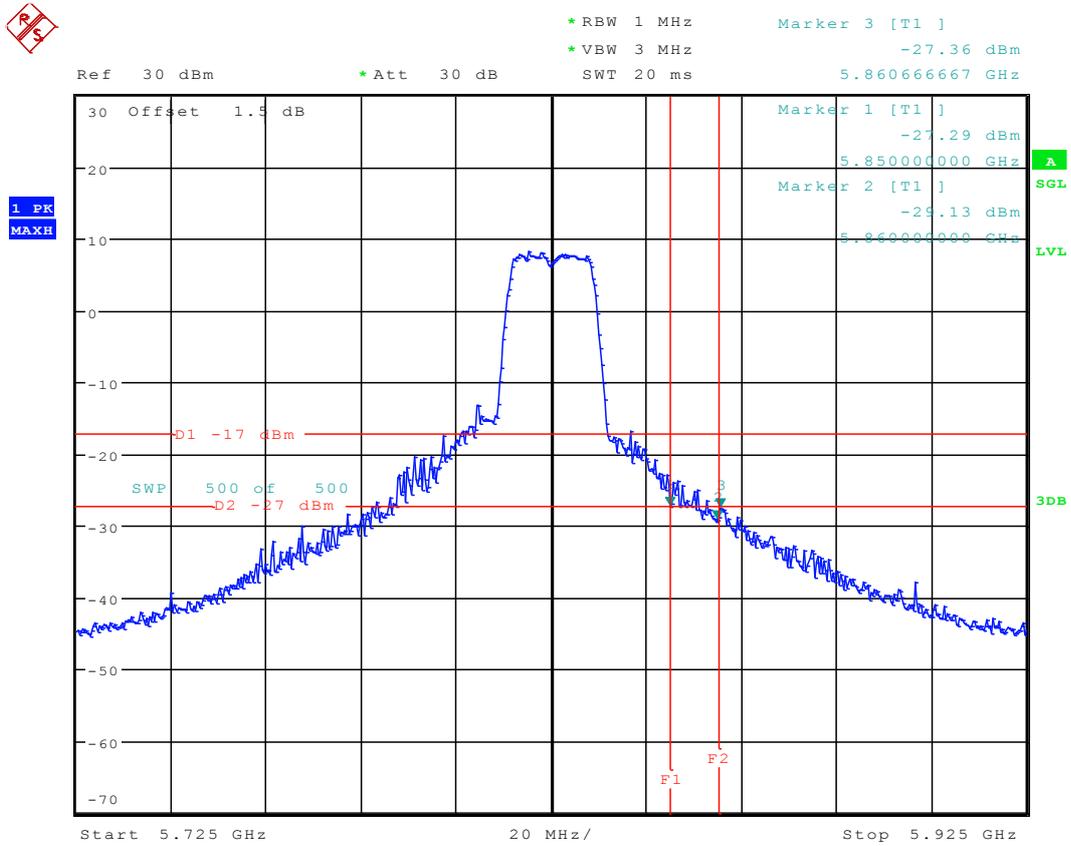
Date: 9.DEC.2016 11:29:56

7.65 11N40_38 Ant 1
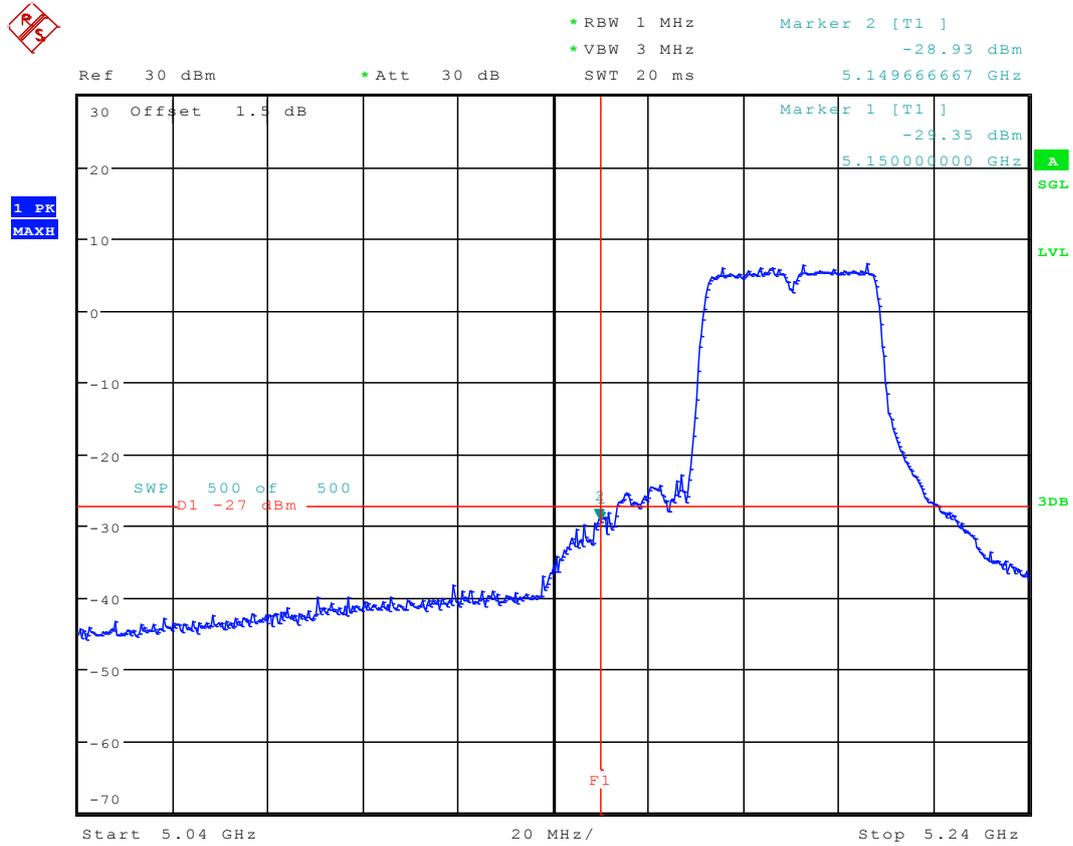
Date: 30.NOV.2016 17:24:18

7.66   11N40_38 Ant 2
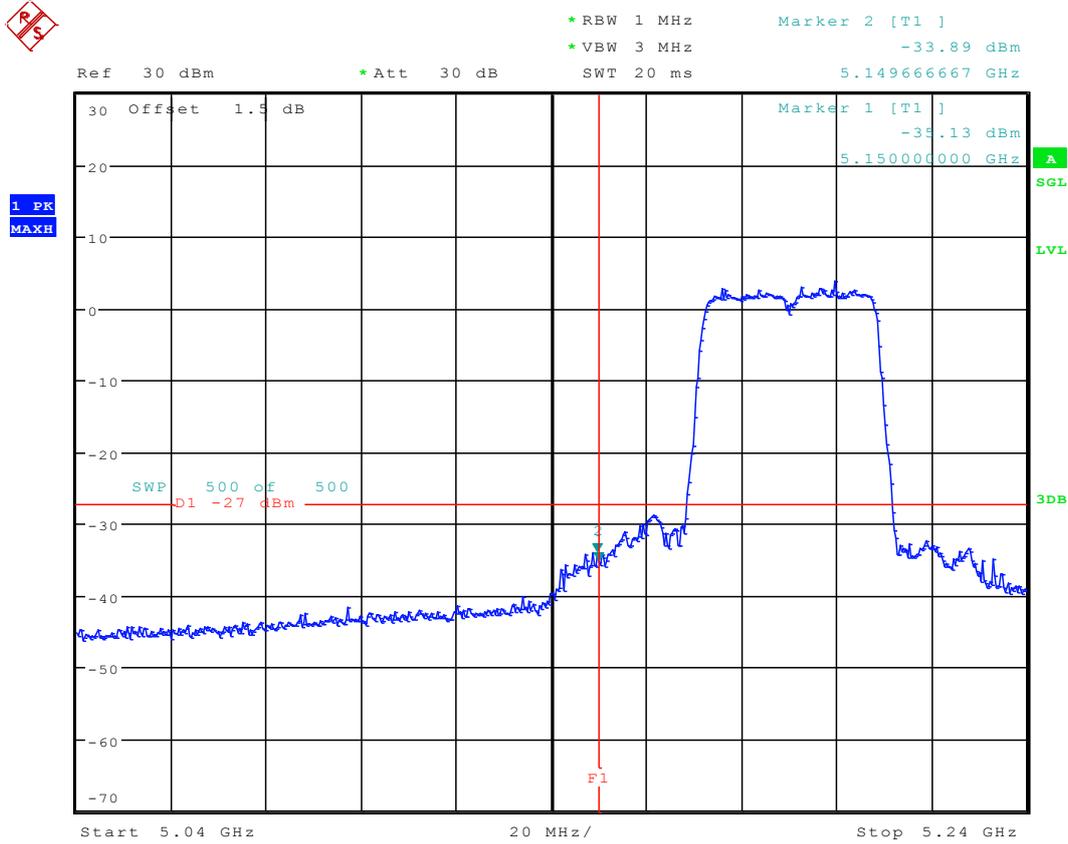
Date: 3.DEC.2016 15:31:24

7.67 11N40M_38 Ant 1
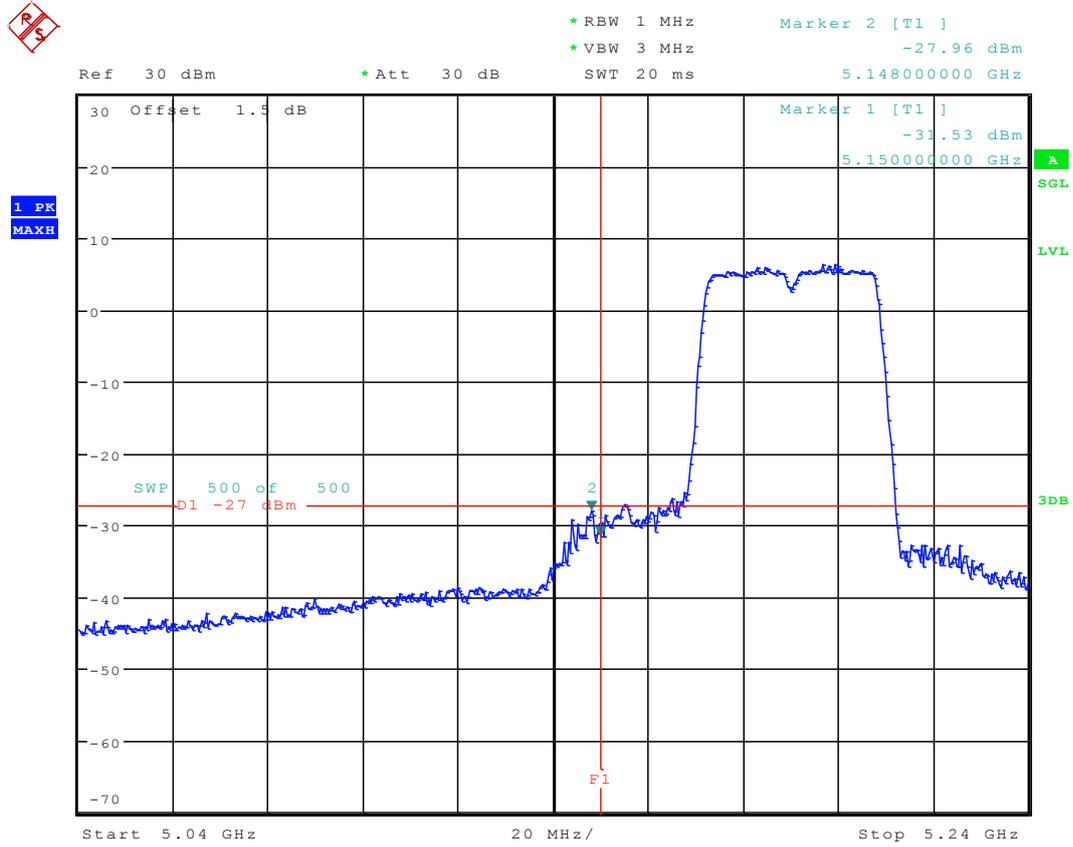
Date: 8.DEC.2016 12:26:19
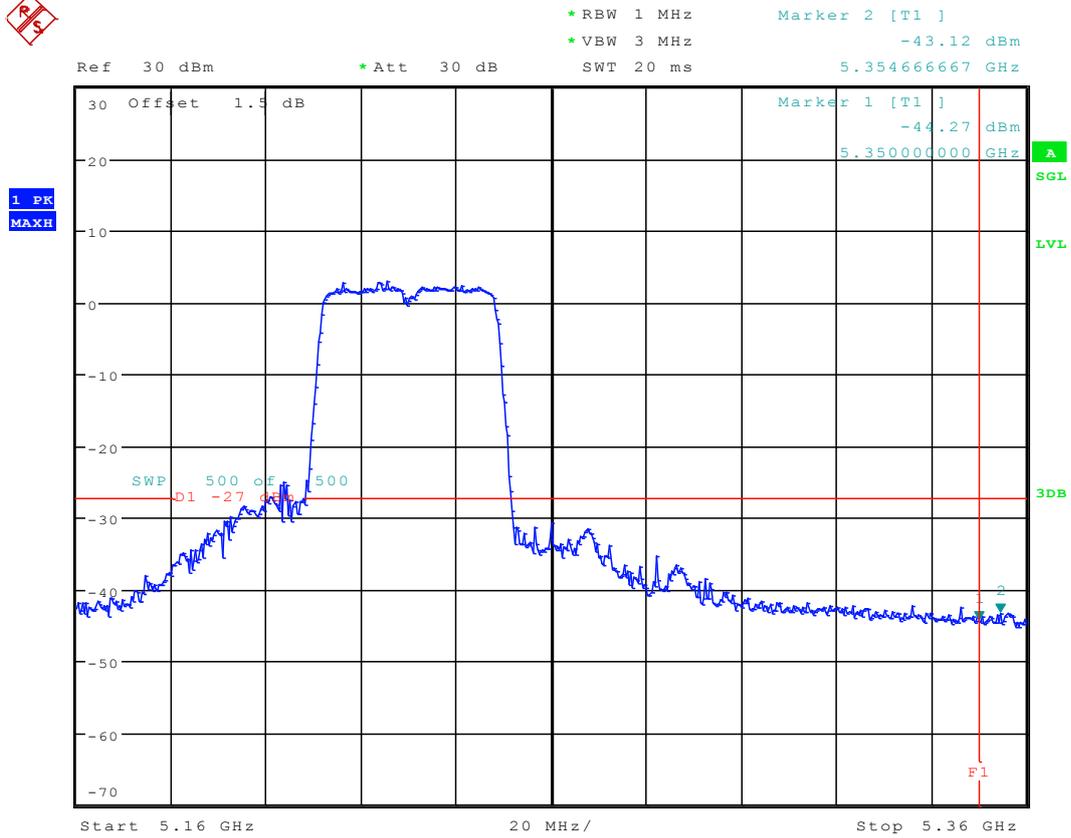
7.68   11N40M_38 Ant 2
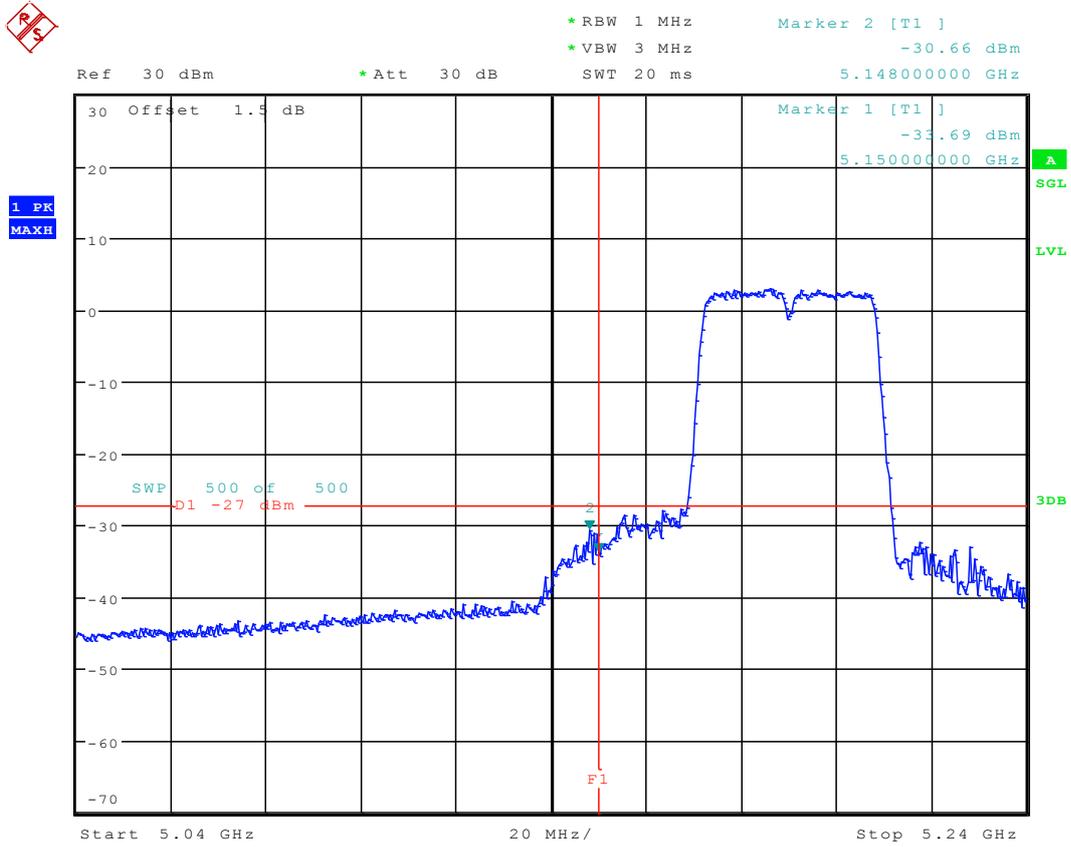
Date: 9.DEC.2016 15:44:19

7.69   11N40_46 Ant 1
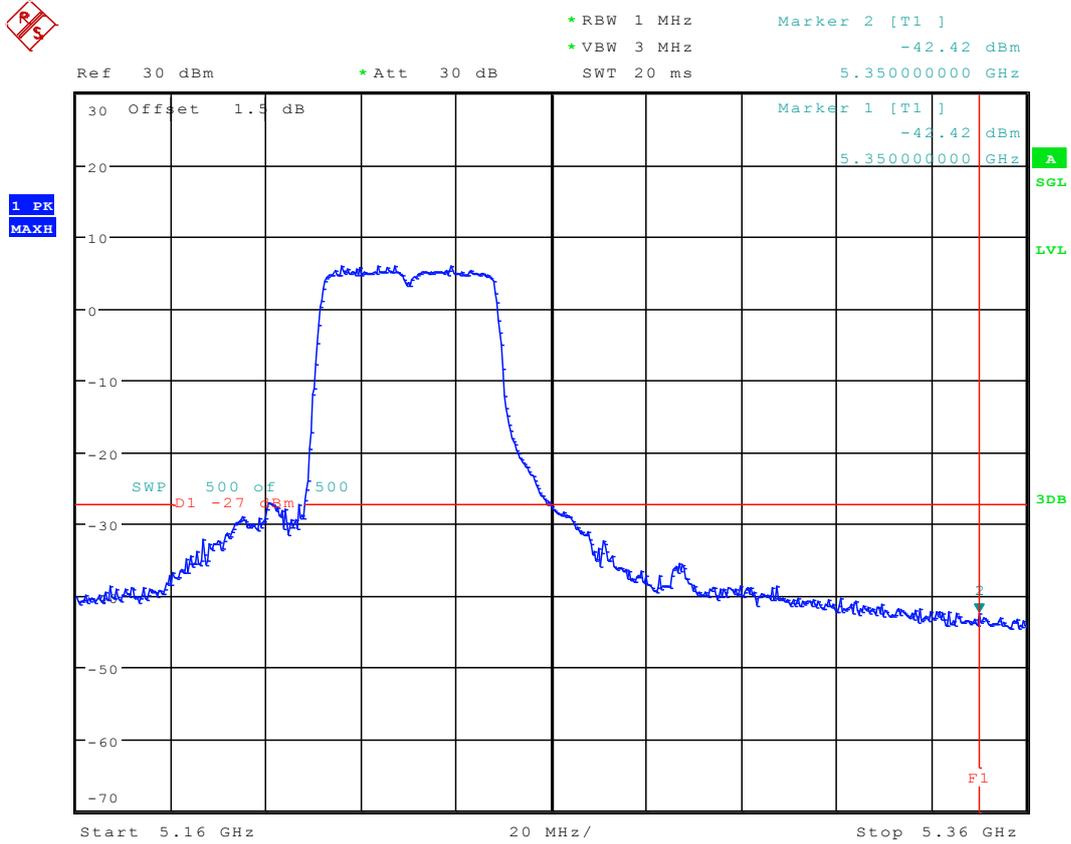
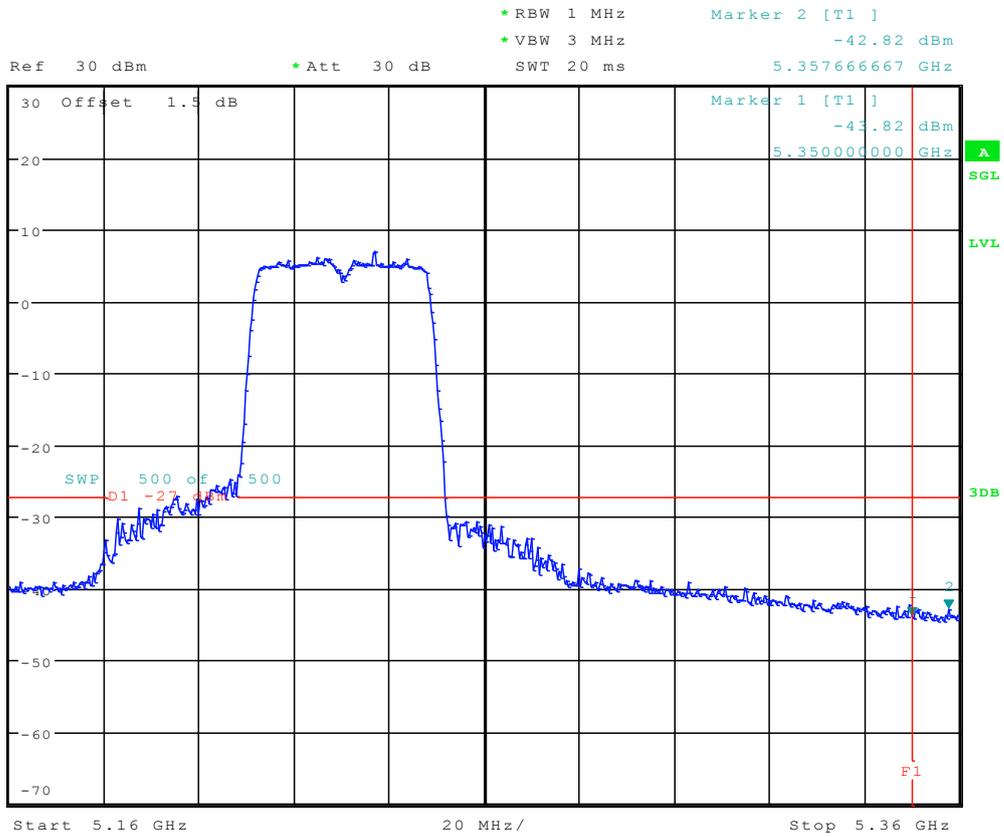Date: 30.NOV.2016 17:29:33

7.70 11N40_46 Ant 2
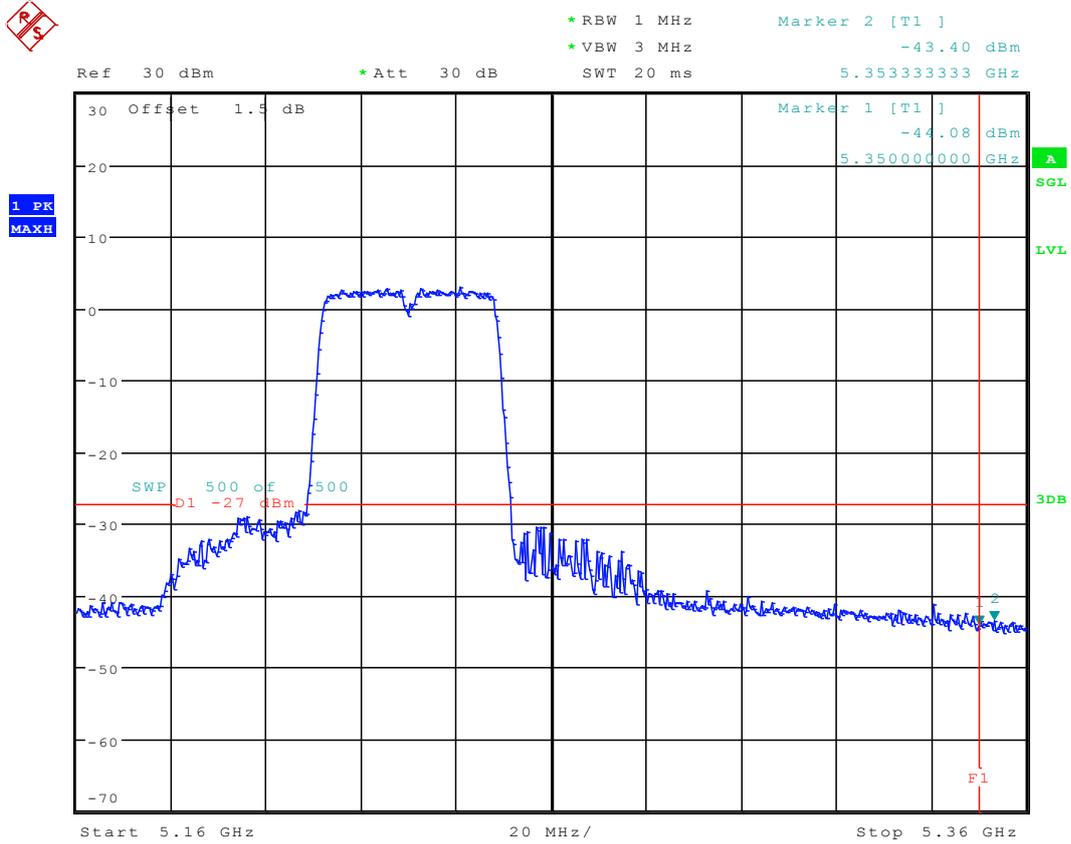

Date: 3.DEC.2016 15:37:25
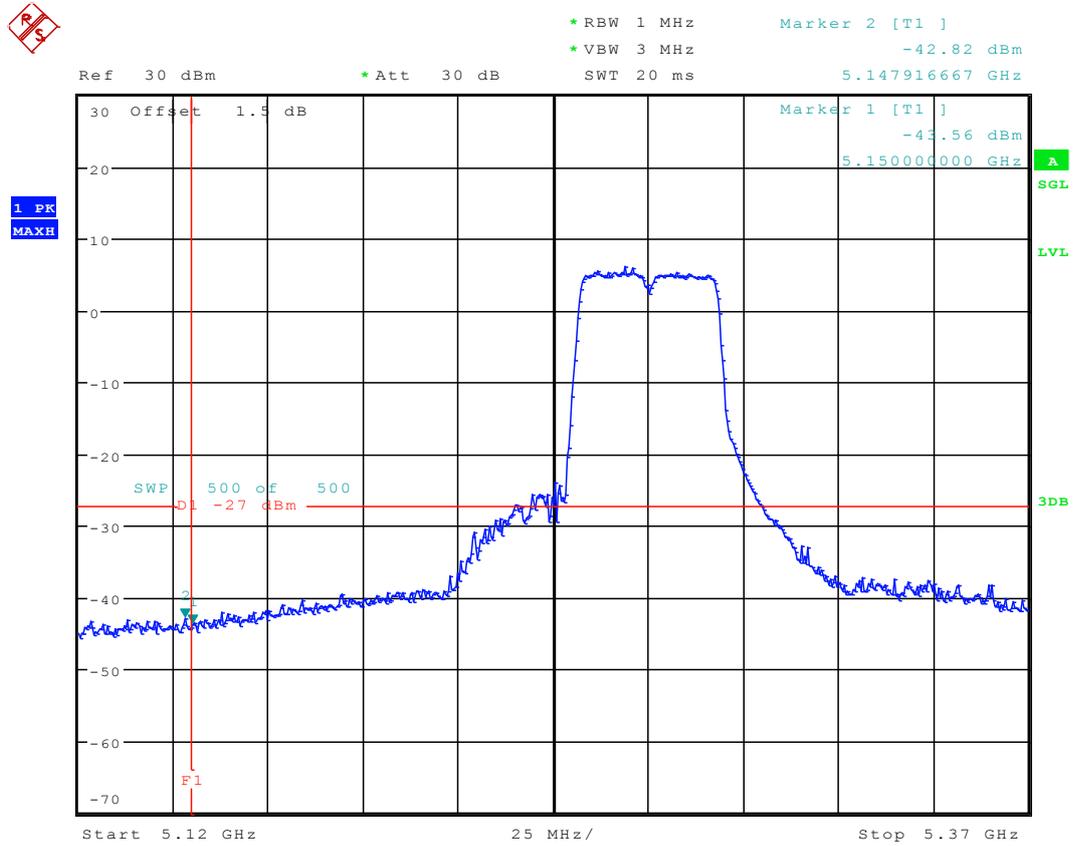
7.71 11N40M_46 Ant 1

Date: 8.DEC.2016 12:31:55

7.72 11N40M_46 Ant 2

Date: 9.DEC.2016 16:01:08

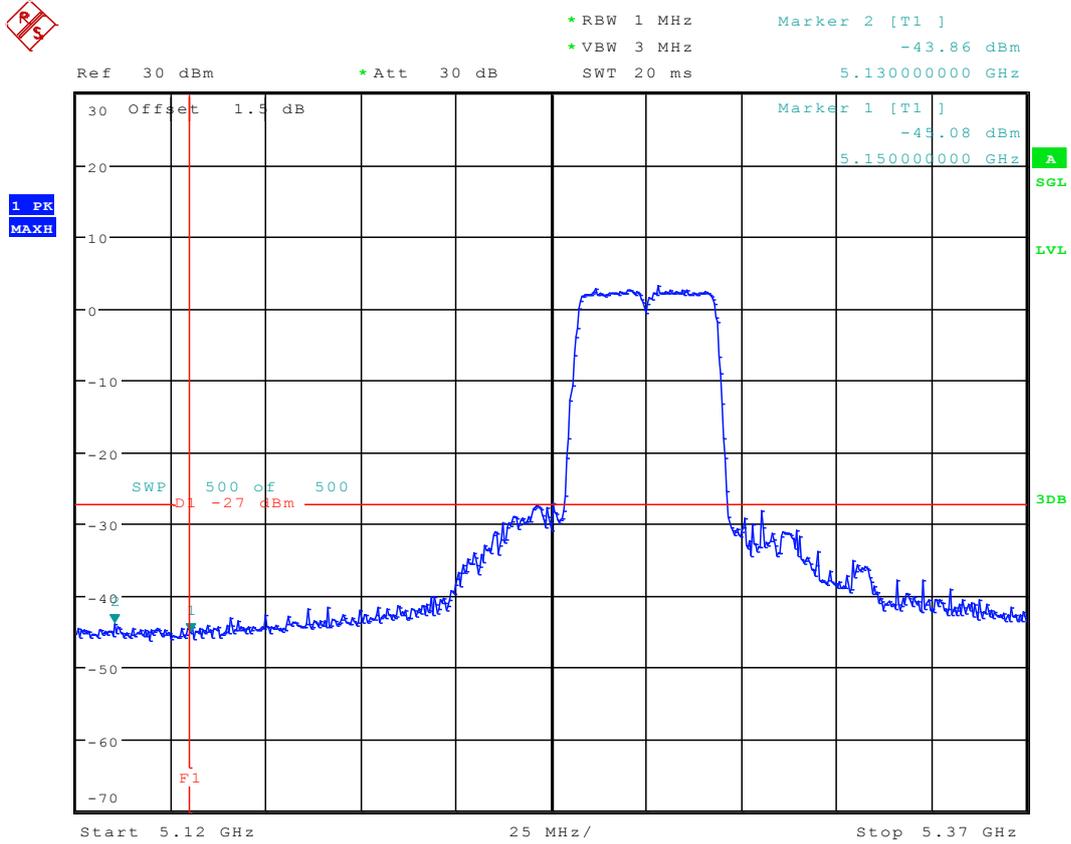### 7.73 11N40_54 Ant 1


```
                                          *RBW  1 MHz      Marker 2 [T1 ]
                                          *VBW  3 MHz              -42.82 dBm
        Ref   30 dBm            *Att  30 dB   SWT  20 ms    5.147916667 GHz

        30  Offset   1.5  dB                       Marker 1 [T1 ]
                                                           -43.56 dBm
          20                                        5.150000000 GHz   A
1 PK                                                                  SGL
MAXH
          10                                                          LVL

           0

         -10

         -20
         SWP   500 of   500                                           3DB
         D1 -27 dBm
         -30

         -40

         -50

         -60

   F1    -70
        Start  5.12 GHz          25 MHz/           Stop  5.37 GHz
```
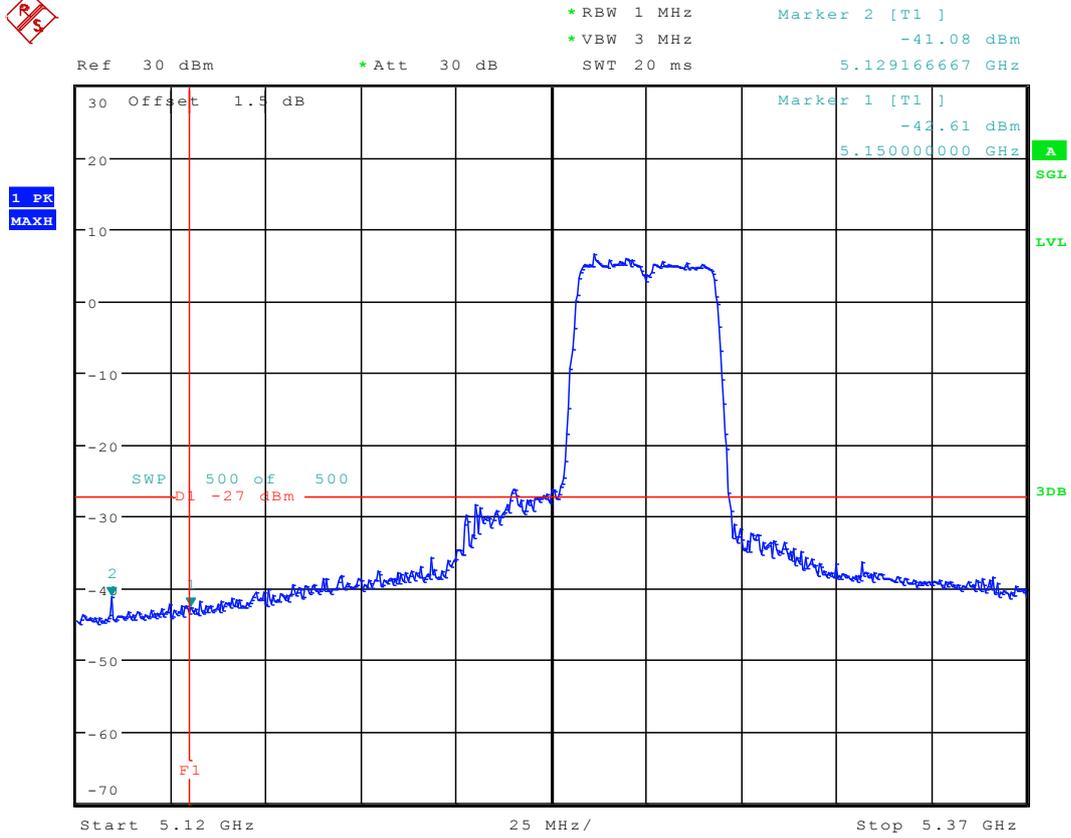
Date: 30.NOV.2016 17:35:48

7.74 11N40_54 Ant 2
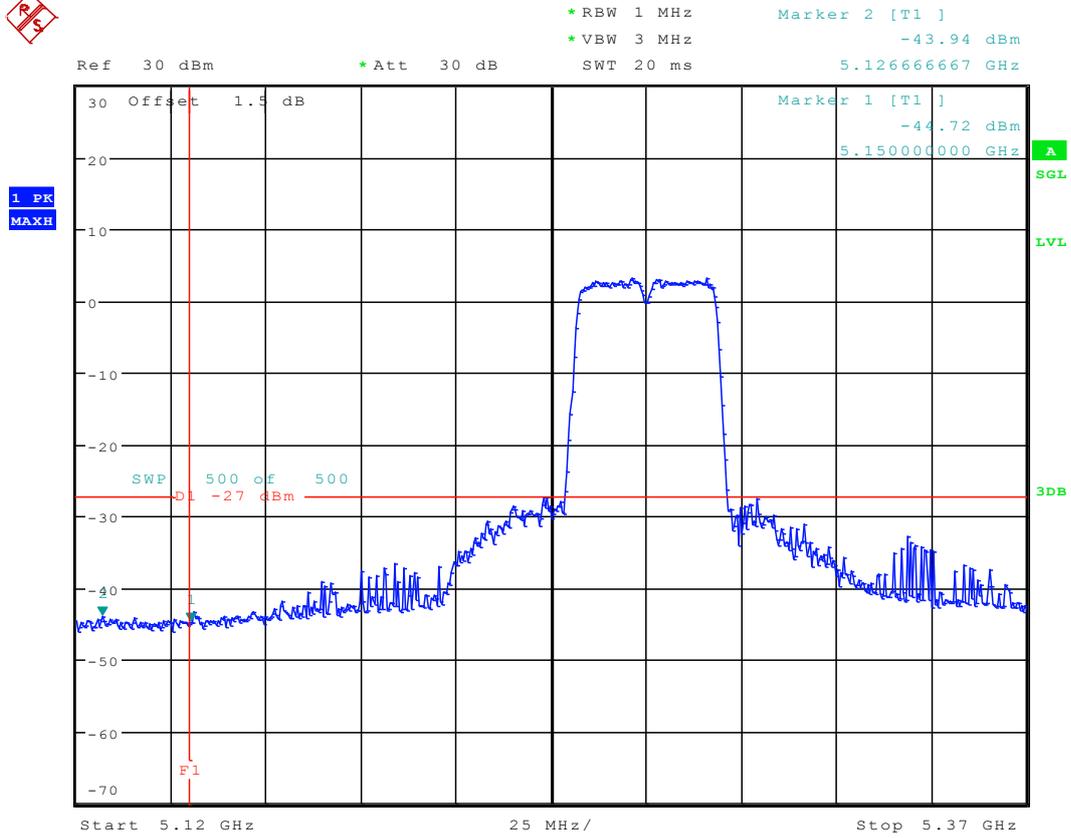

Date: 3.DEC.2016 15:43:12

7.75   11N40M_54 Ant 1

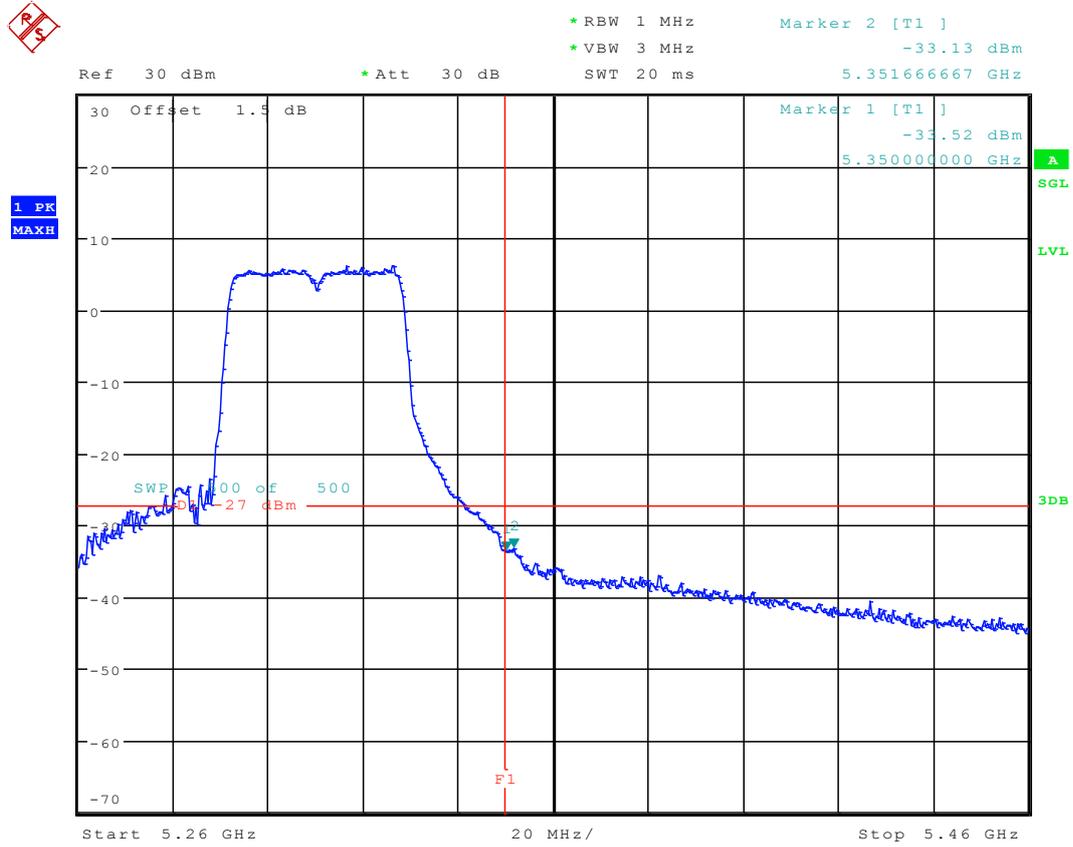Date: 8.DEC.2016 12:37:14

7.76 11N40M_54 Ant 2

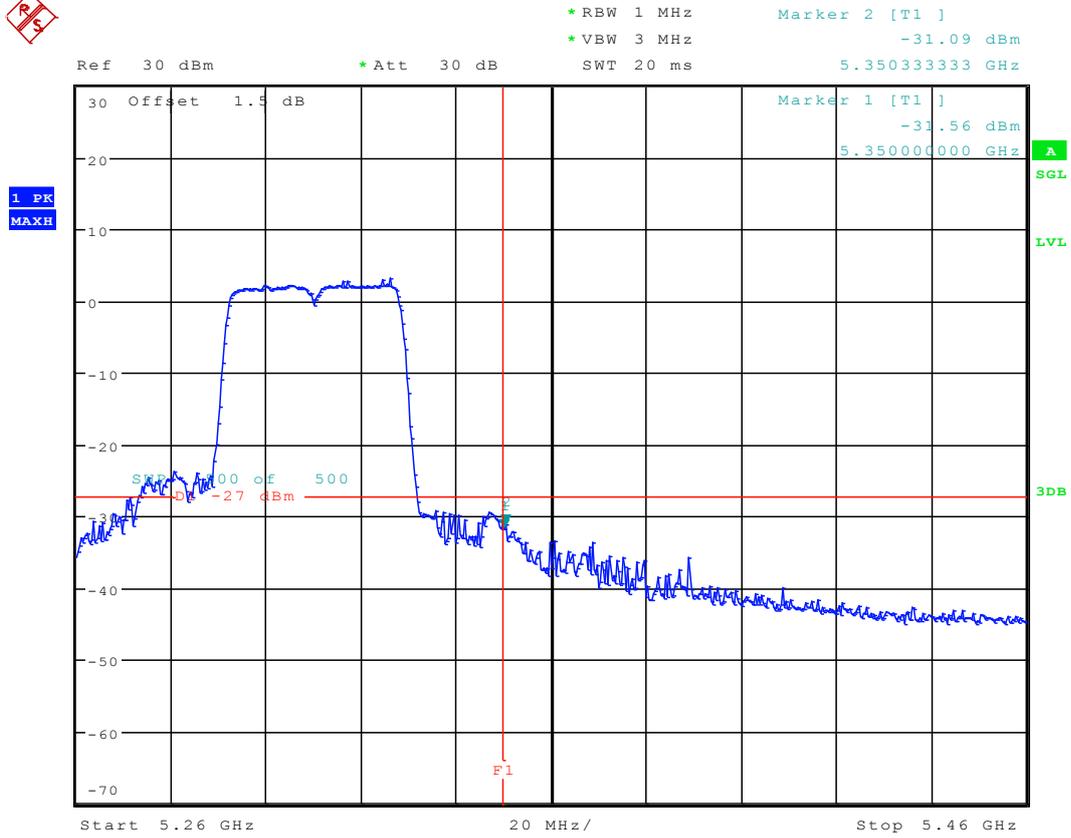Date: 9.DEC.2016 16:10:28
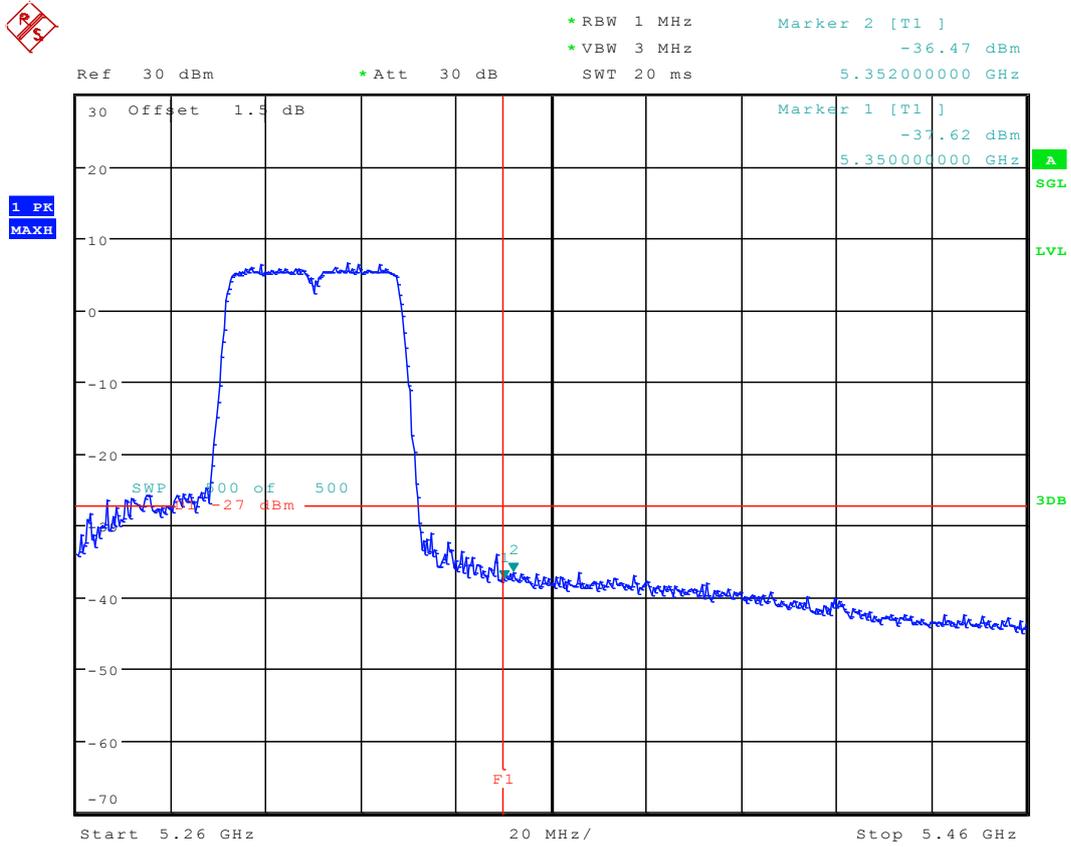
7.77 11N40_62 Ant 1

Date: 30.NOV.2016 17:41:57
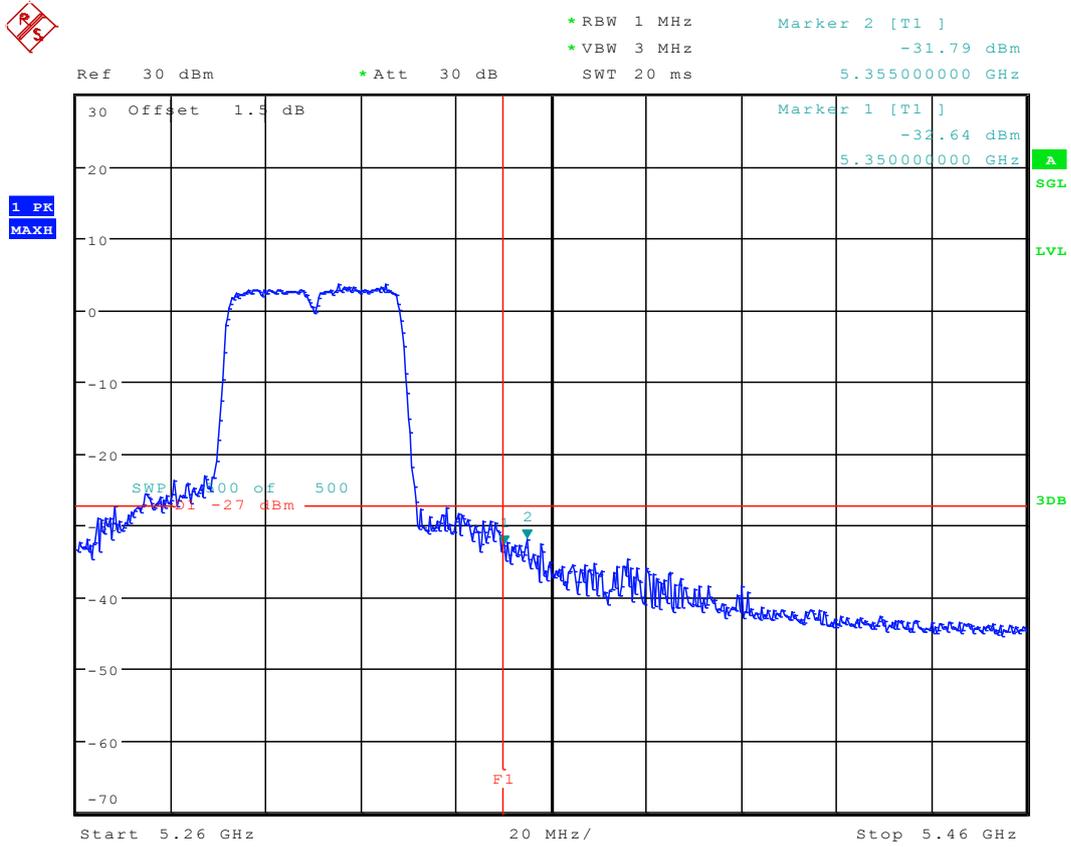
7.78 11N40_62 Ant 2

Date: 3.DEC.2016 15:48:29

7.79   11N40M_62 Ant 1

```
                                    * RBW  1 MHz      Marker 2 [T1 ]
                                    * VBW  3 MHz              -36.47 dBm
   Ref   30 dBm          * Att  30 dB     SWT 20 ms       5.352000000 GHz

   30  Offset  1.5 dB                       Marker 1 [T1 ]
                                                         -37.62 dBm
    20                                            5.350000000 GHz   A
                                                                    SGL
 1 PK
 MAXH  10                                                            LVL

     0

   -10

   -20
        SWP  500 of   500
            -27 dBm                                                 3DB

   -40

   -50

   -60
               F1
   -70
   Start  5.26 GHz            20 MHz/            Stop  5.46 GHz
```

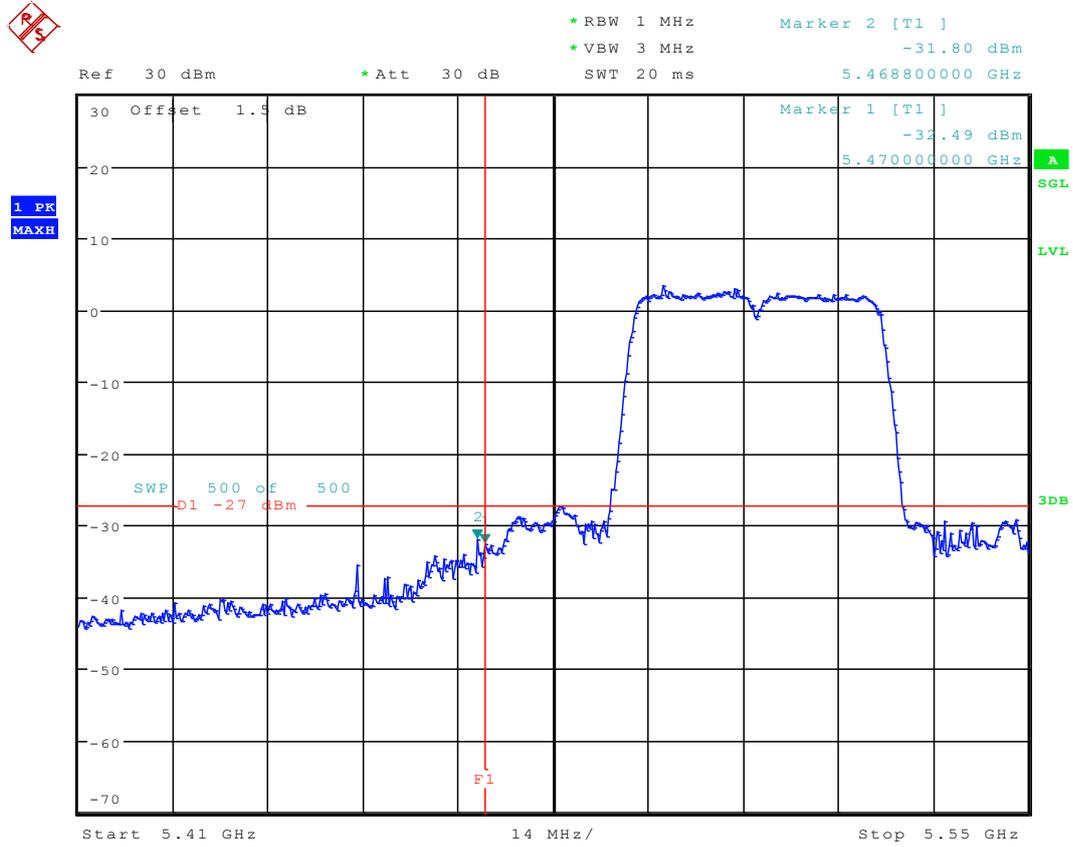Date: 8.DEC.2016 12:42:26

7.80 11N40M_62 Ant 2

Date: 9.DEC.2016 16:23:05

7.81   11N40_102 Ant 1

Date: 30.NOV.2016 17:53:49
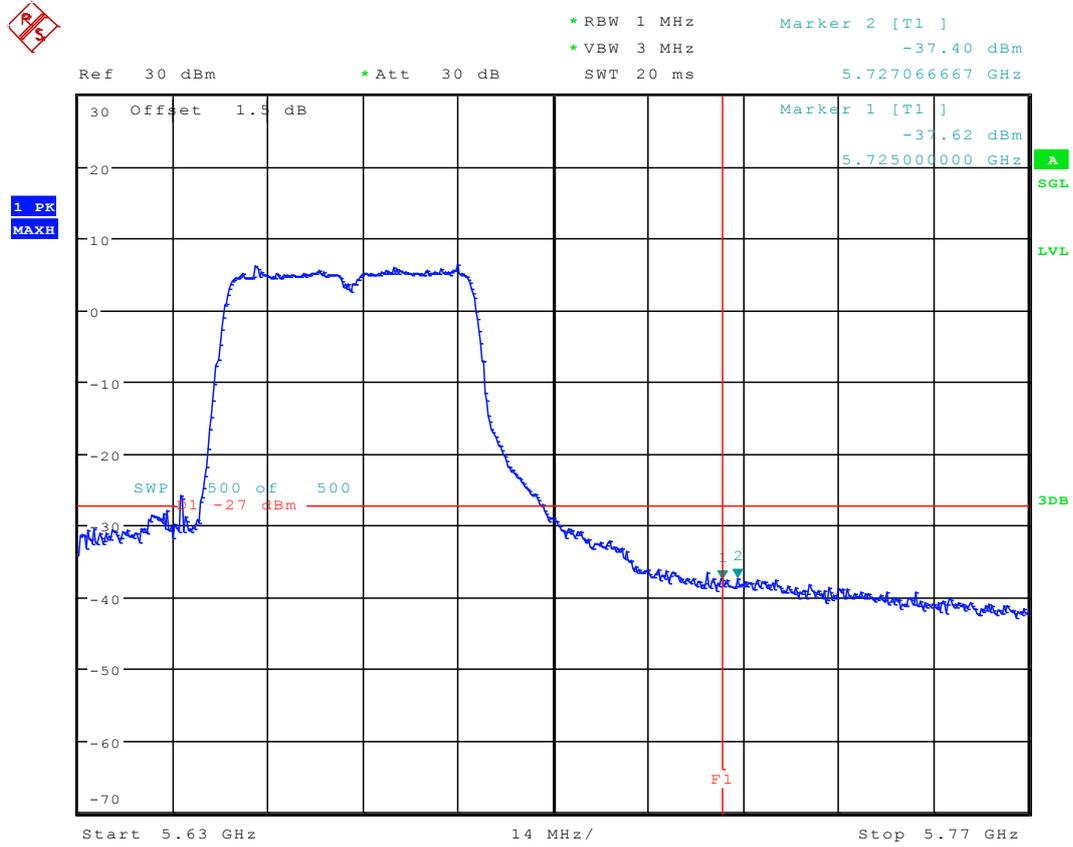
7.82 11N40_102 Ant 2

Date: 3.DEC.2016 15:52:04

7.83   11N40M_102 Ant 1

```
                                          * RBW  1 MHz       Marker 2 [T1 ]
                                          * VBW  3 MHz                  -28.04 dBm
       Ref   30 dBm              * Att   30 dB    SWT  20 ms    5.469033333 GHz

        30  Offset   1.5  dB                           Marker 1 [T1 ]
                                                                -28.26 dBm
       -20                                              5.470000000 GHz    A
                                                                          SGL
  1 PK
  MAXH  -10                                                               LVL


          0


        -10


        -20
       SWP    500 of    500
       D1 -27 dBm                                                         3DB
        -30


        -40


        -50


        -60
                    F1
        -70

       Start  5.41 GHz            14 MHz/            Stop  5.55 GHz
```
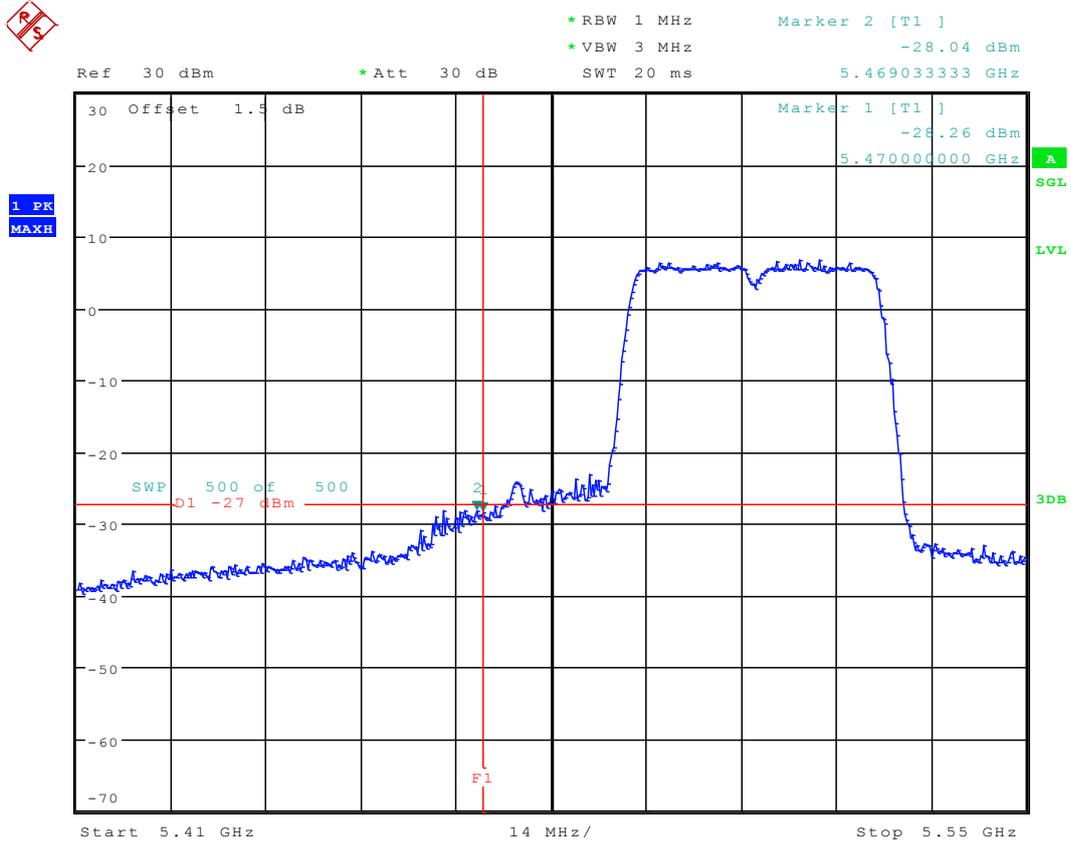
Date: 8.DEC.2016 17:35:07

7.84 11N40M_102 Ant 2

```
                                          * RBW  1 MHz        Marker 2 [T1 ]
                                          * VBW  3 MHz                    -27.42 dBm
      Ref   30 dBm          * Att   30 dB   SWT 20 ms            5.469266667 GHz

       30  Offset   1.5  dB                              Marker 1 [T1 ]
                                                                   -29.04 dBm
      -20                                                  5.470000000 GHz    A
                                                                              SGL
 1 PK
 MAXH -10                                                                     LVL

        0

      -10

      -20
      SWP    500 of   500        2                                            3DB
      D1 -27 dBm
      -30

      -40

      -50

      -60
                                 F1
      -70
      Start  5.41 GHz              14 MHz/                  Stop  5.55 GHz
```
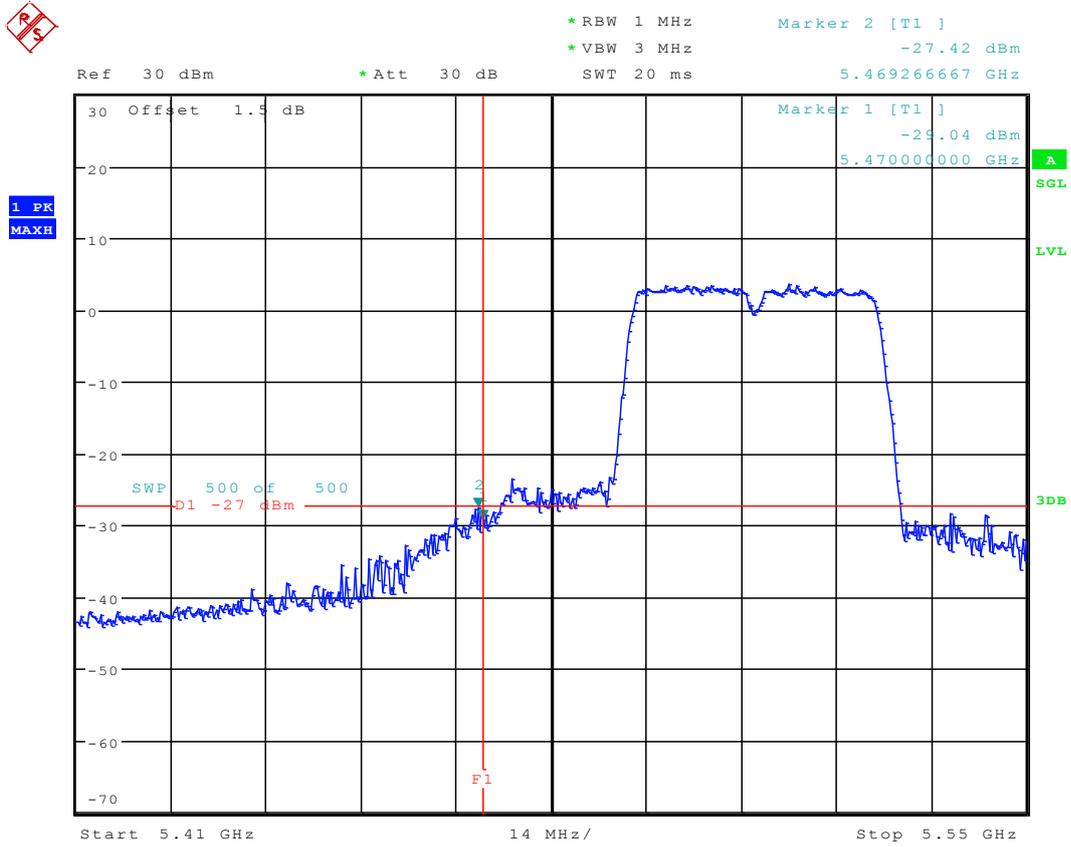
Date: 9.DEC.2016 16:26:55

7.85 11N40_134 Ant 1


```
                                    *RBW  1 MHz        Marker 2 [T1 ]
                                    *VBW  3 MHz                  -37.40 dBm
    Ref  30 dBm          *Att  30 dB    SWT 20 ms        5.727066667 GHz
    30  Offset  1.5  dB                  Marker 1 [T1 ]
                                                         -37.62 dBm
    -20                                          5.725000000 GHz    A
                                                                    SGL
    -10
                                                                    LVL
      0
    -10

    -20
    SWP  500 of  500                                                3DB
    A1 -27 dBm
    -30

    -40                                               1 2

    -50

    -60

                                        F1
    -70
    Start  5.63 GHz          14 MHz/            Stop  5.77 GHz
```

1 PK
MAXH

Date: 30.NOV.2016 17:57:14

7.86   11N40_134 Ant 2
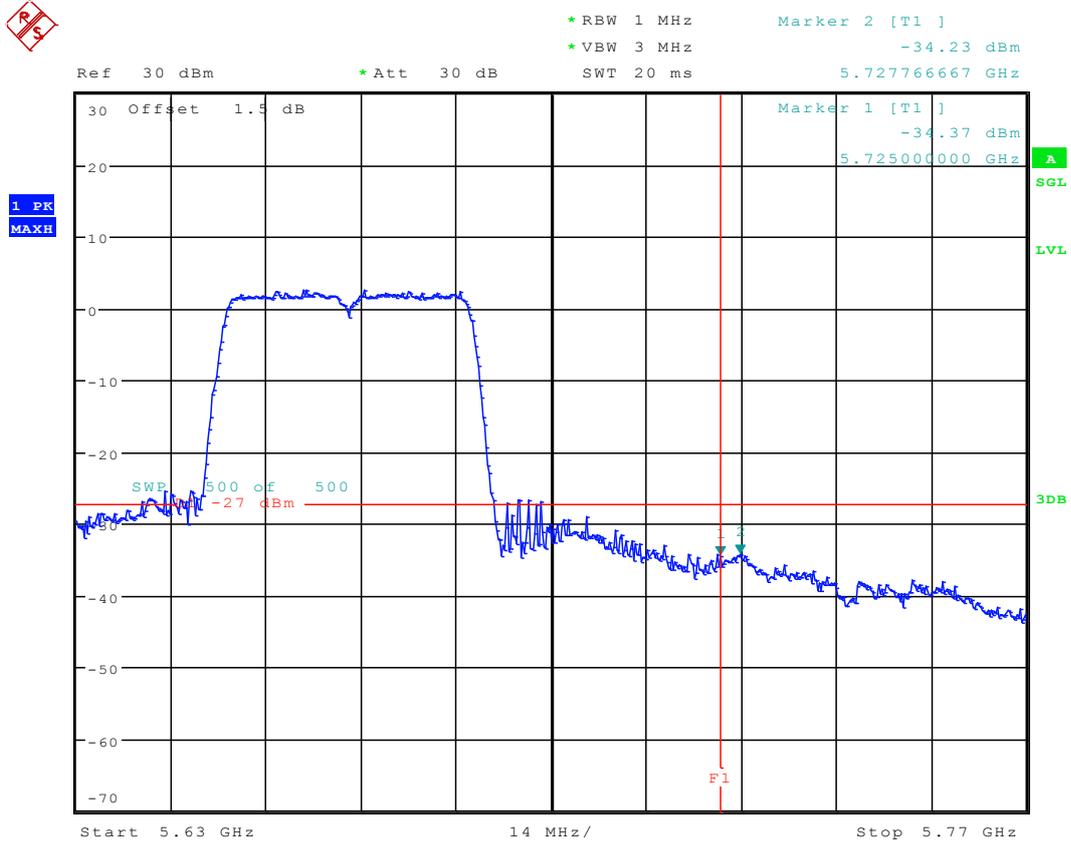
Date: 3.DEC.2016 15:57:44
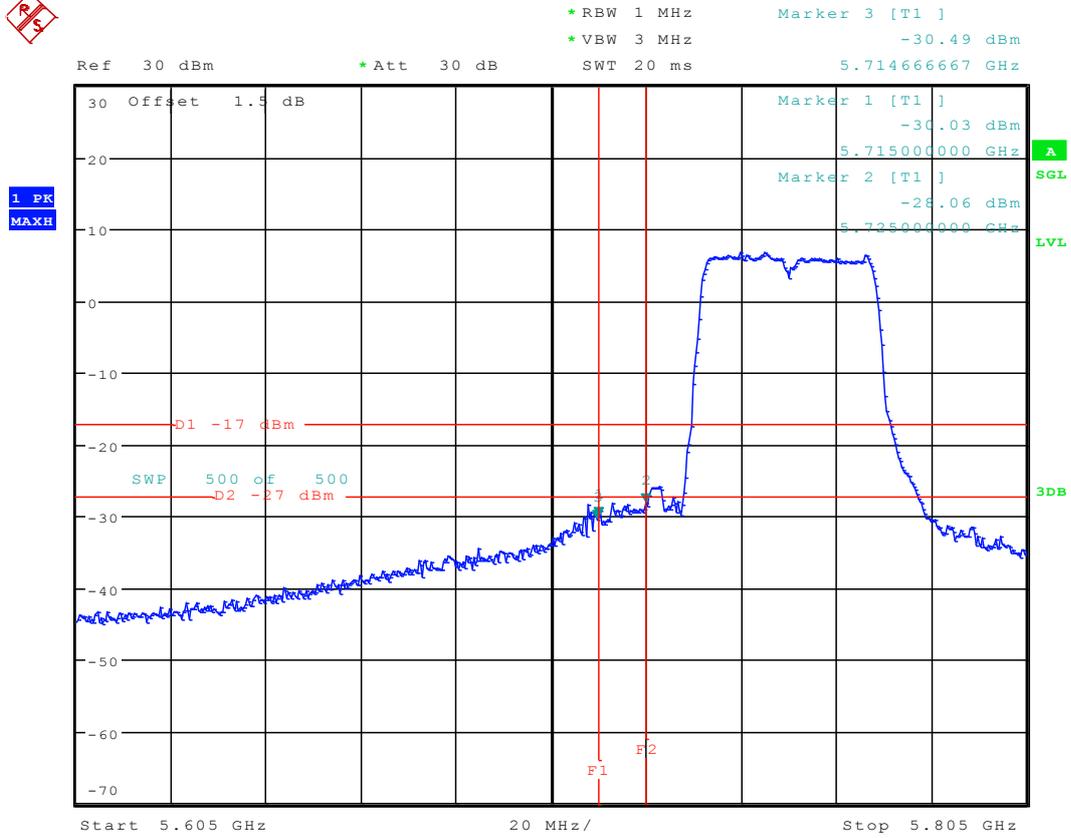
7.87   11N40M_134 Ant 1
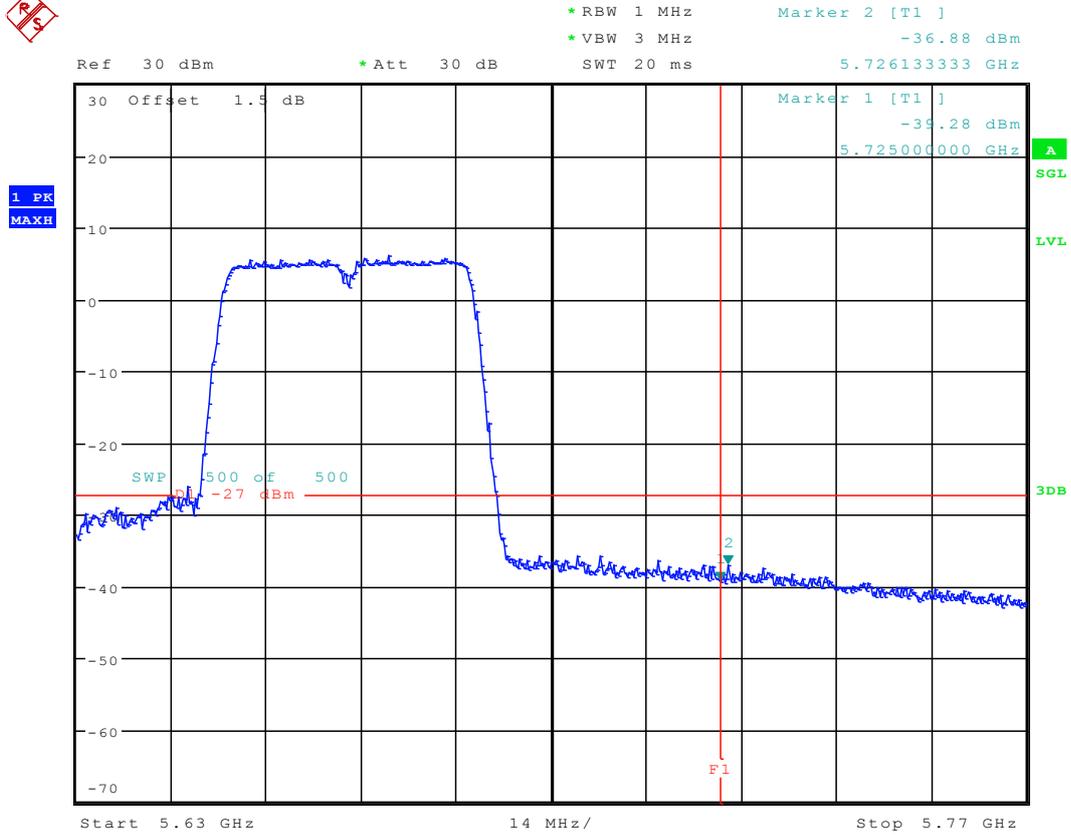
Date: 8.DEC.2016 12:50:01
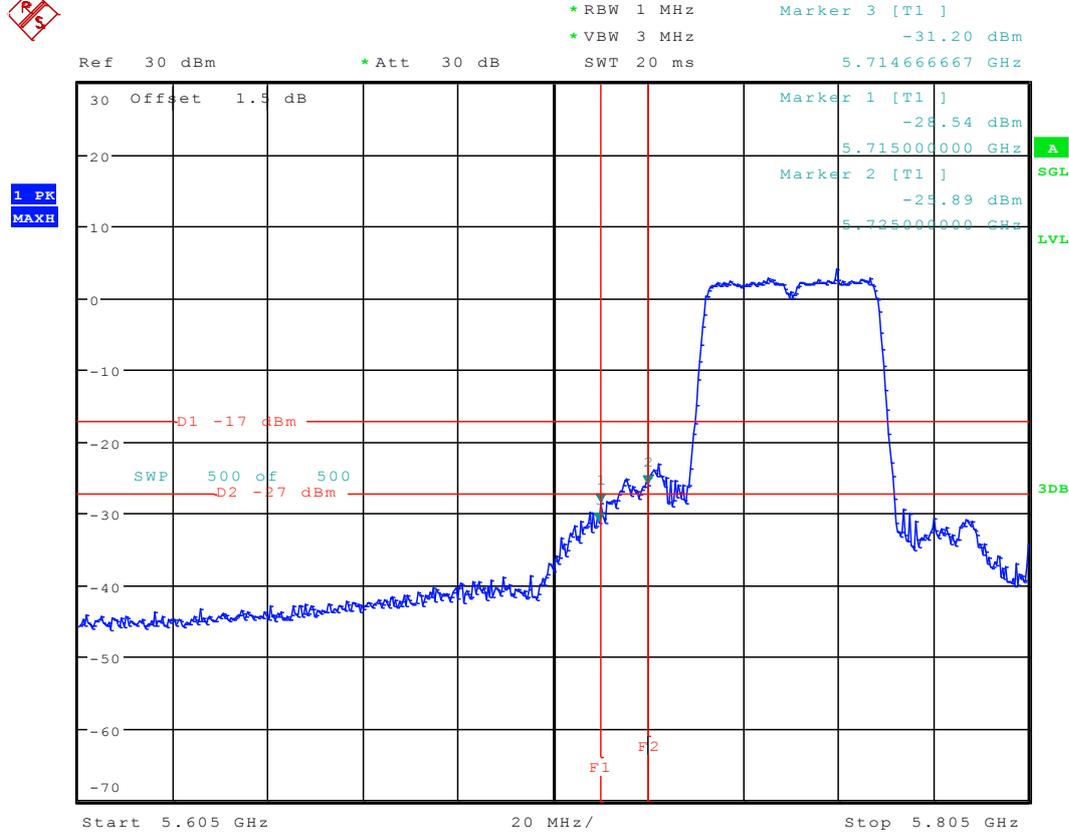
7.88 11N40M_134 Ant 2
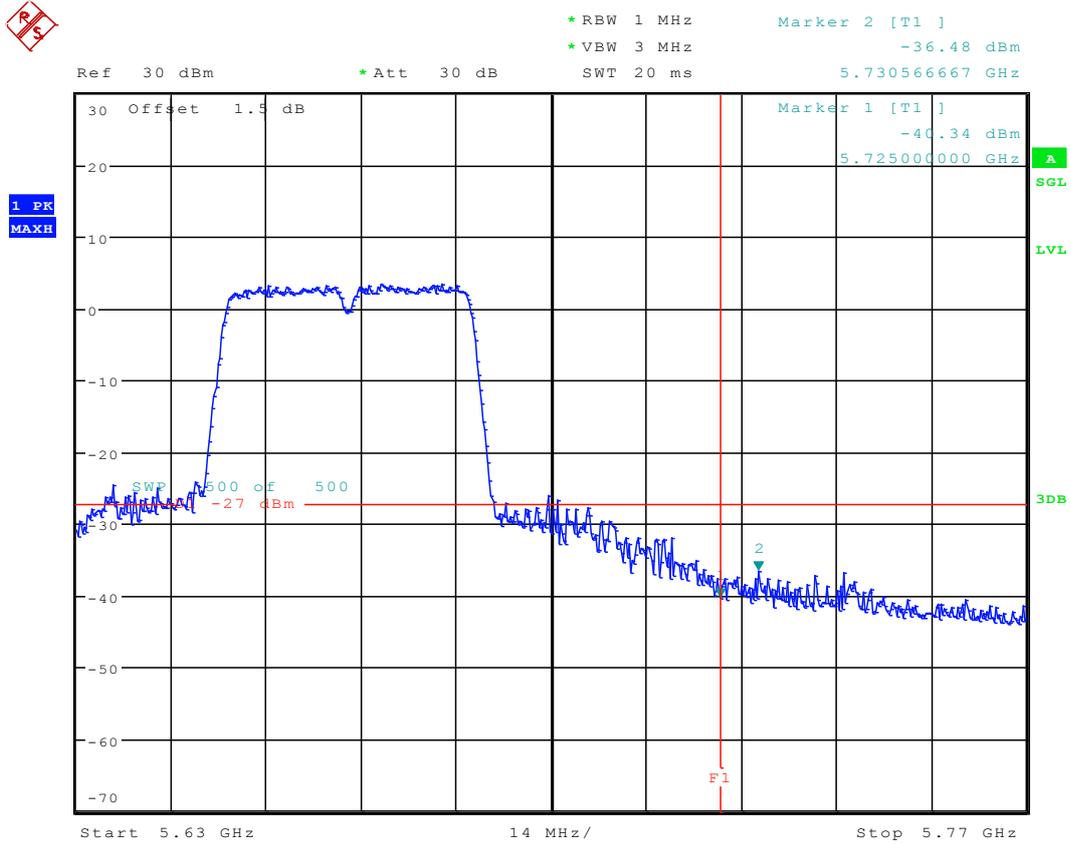
Date: 9.DEC.2016 16:32:12

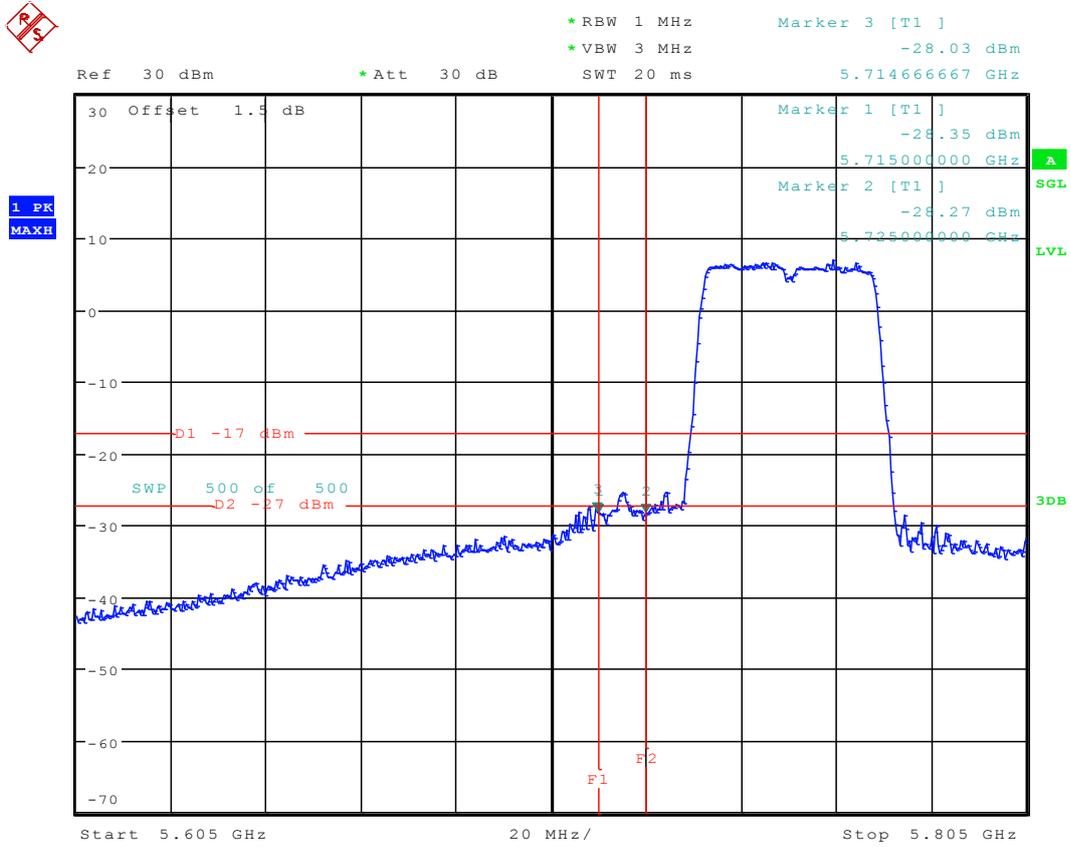### 7.89   11N40_151 Ant 1

Date: 30.NOV.2016   18:03:00
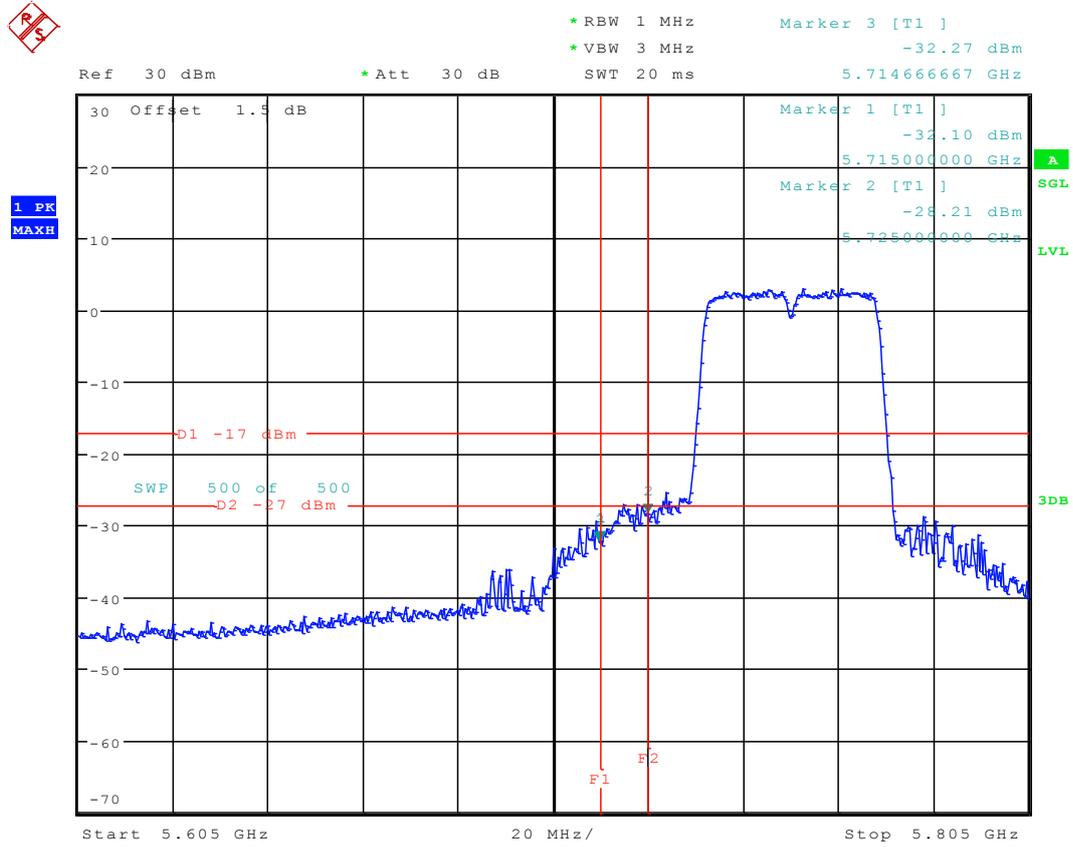
7.90   11N40_151 Ant 2

Date: 3.DEC.2016 16:03:38

7.91 11N40M_151 Ant 1
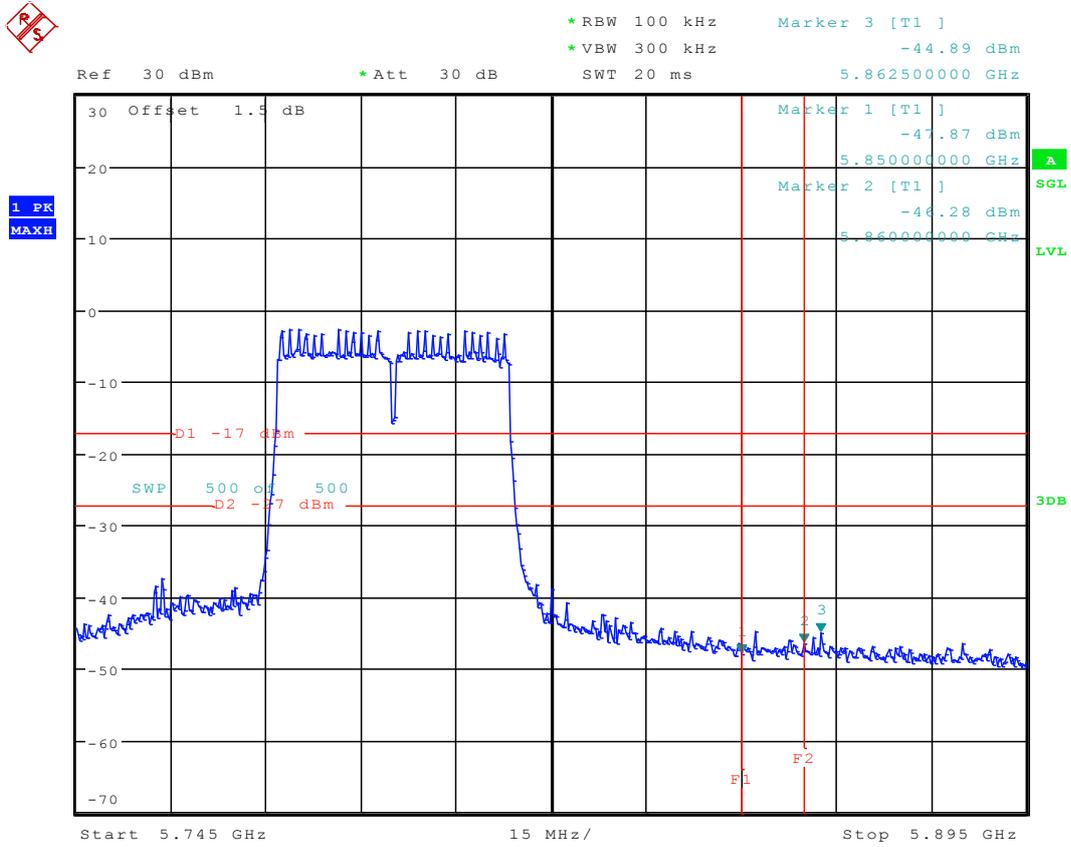

Date: 8.DEC.2016 17:49:52

7.92　11N40M_151 Ant 2

Date: 10.DEC.2016　12:42:15

7.93   11N40_159 Ant 1


```
                                              *RBW  100 kHz      Marker 3 [T1 ]
                                              *VBW  300 kHz             -44.89 dBm
         Ref   30 dBm              *Att   30 dB    SWT  20 ms      5.862500000 GHz

          30  Offset   1.5  dB                             Marker 1 [T1 ]
                                                                  -47.87 dBm       A
          20                                                 5.850000000 GHz     SGL
                                                           Marker 2 [T1 ]
   1 PK                                                           -46.28 dBm
   MAXH   10                                                 5.860000000 GHz     LVL

           0

         -10

             D1 -17 dBm
         -20
             SWP   500 of   500
             D2 -17 dBm                                                          3DB
         -30

         -40

         -50

         -60                                            F2
         -70                                        F1

         Start  5.745 GHz            15 MHz/              Stop  5.895 GHz
```
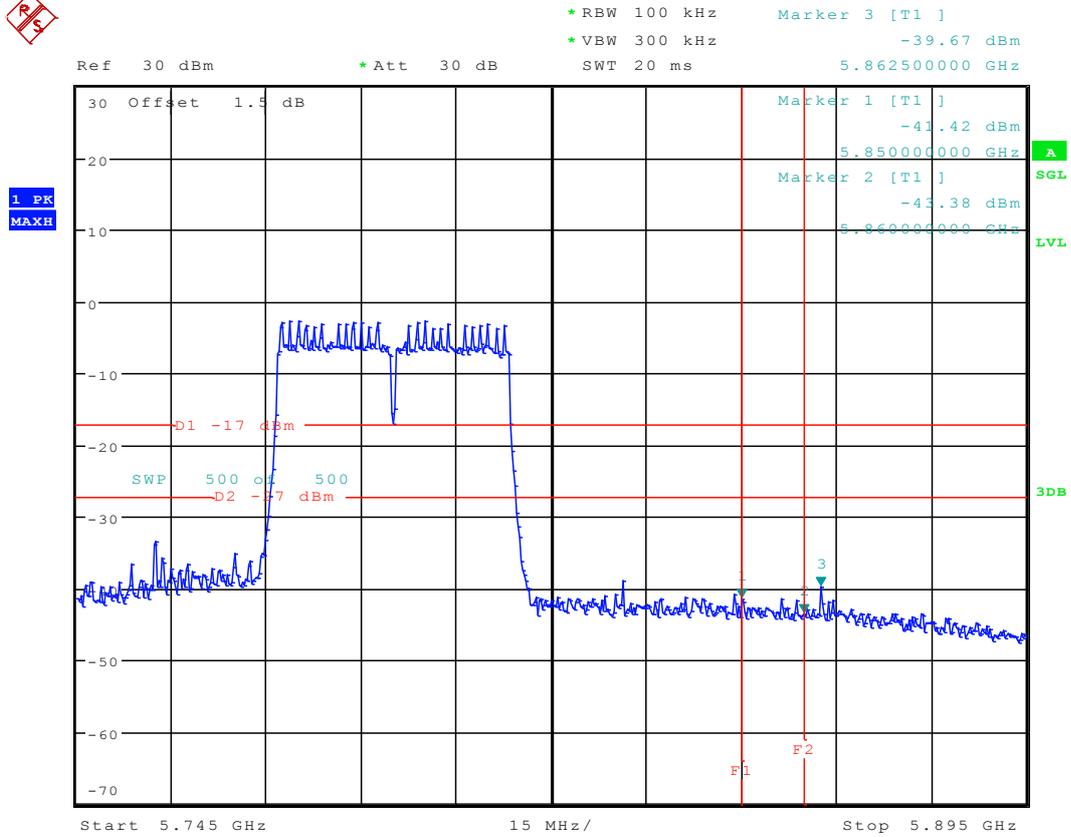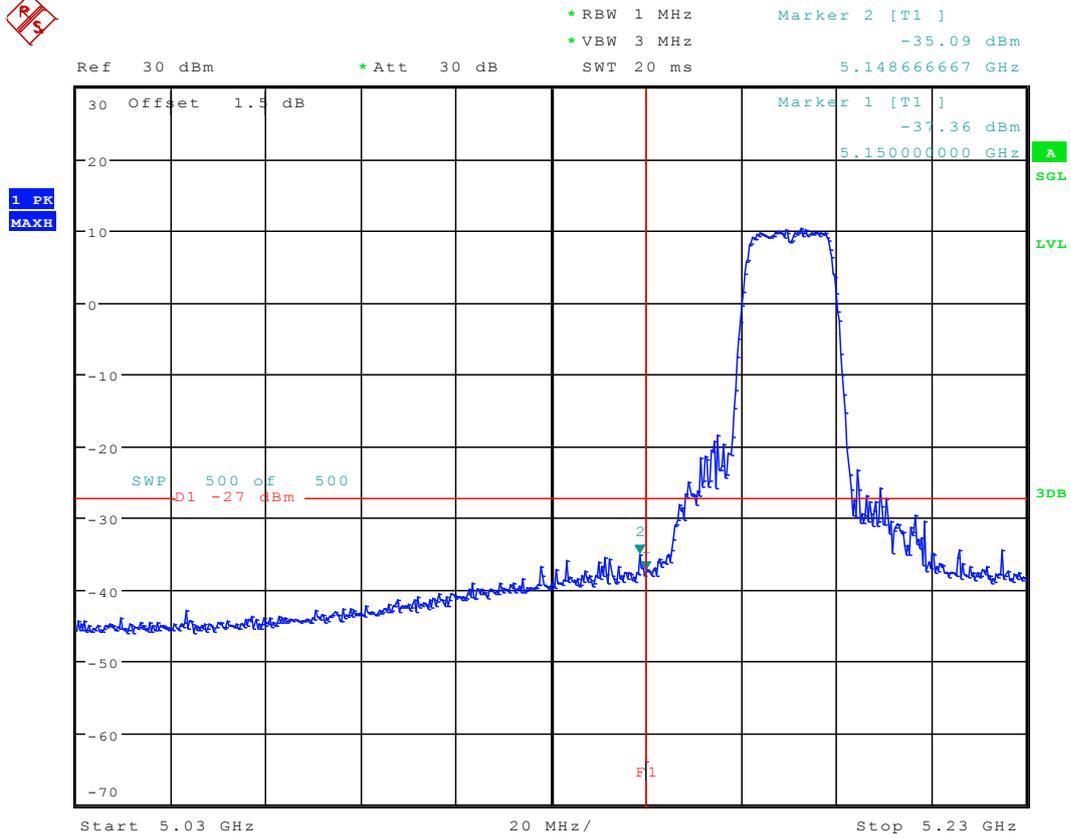
Date: 30.NOV.2016 18:07:08

7.94   11N40_159 Ant 2
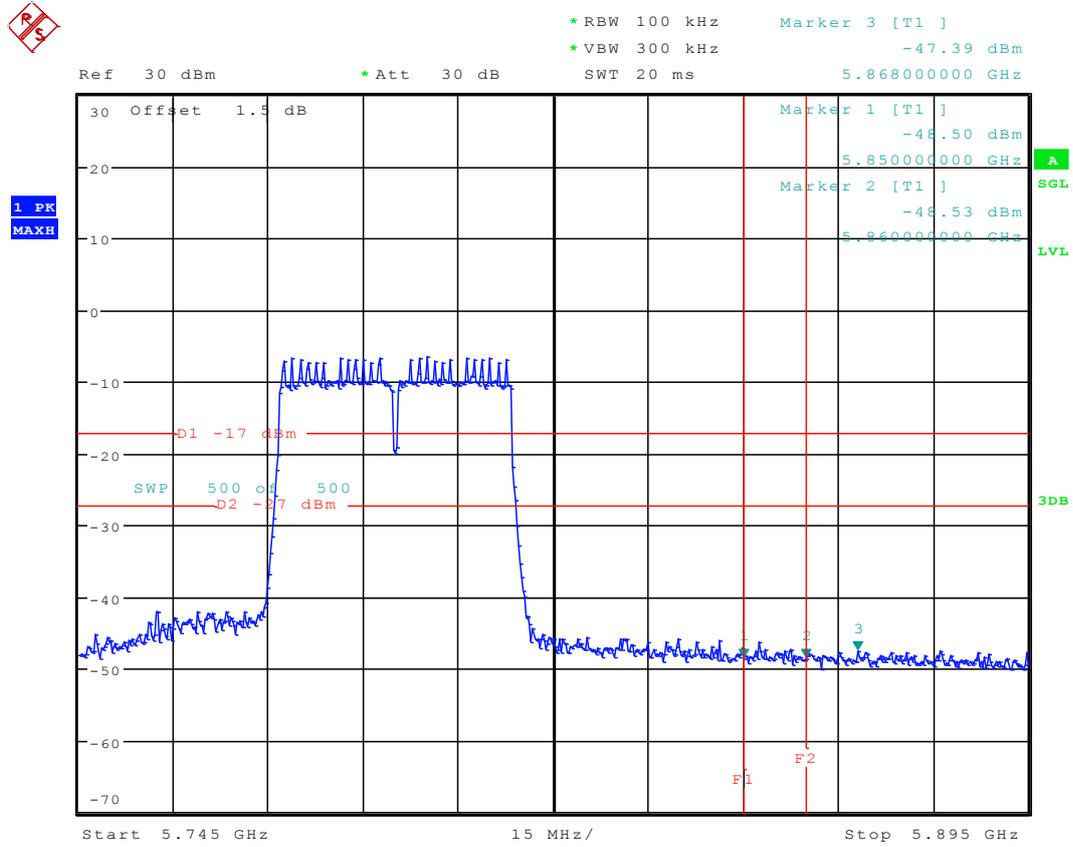
Date: 3.DEC.2016   16:07:31

7.95   11N40M_159 Ant 1


```
                                          *RBW  100 kHz        Marker 3 [T1 ]
                                          *VBW  300 kHz                -39.67 dBm
        Ref   30 dBm          *Att   30 dB    SWT  20 ms        5.862500000 GHz

         30  Offset   1.5  dB                             Marker 1 [T1 ]
                                                                 -41.42 dBm
         20                                                5.850000000 GHz      A
                                                         Marker 2 [T1 ]              SGL
         10                                                      -43.38 dBm
                                                         5.860000000 GHz          LVL
          0

        -10
            D1 -17 dBm
        -20
          SWP   500 of   500                                                       3DB
            D2 -37 dBm
        -30

        -40

        -50

        -60                                      F2
                                      F1
        -70
        Start  5.745 GHz              15 MHz/              Stop  5.895 GHz
```

Date: 8.DEC.2016   13:00:07
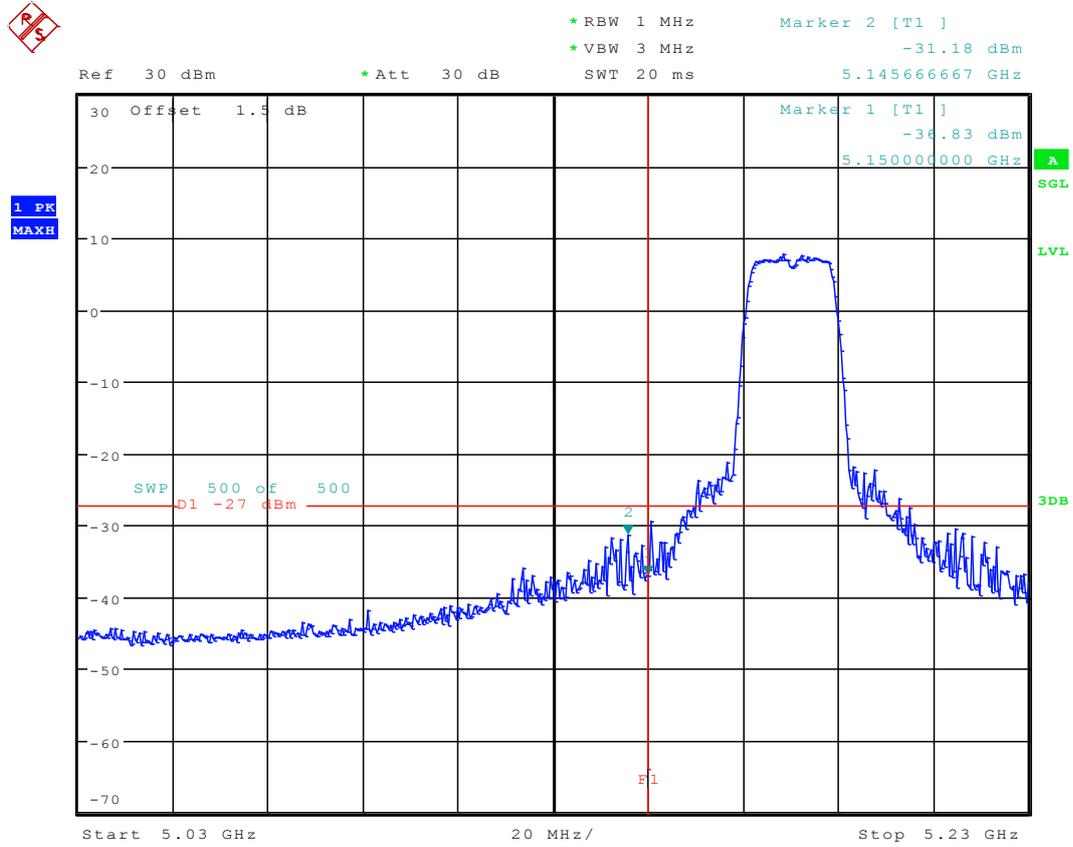
7.96 11N40M_159 Ant 2
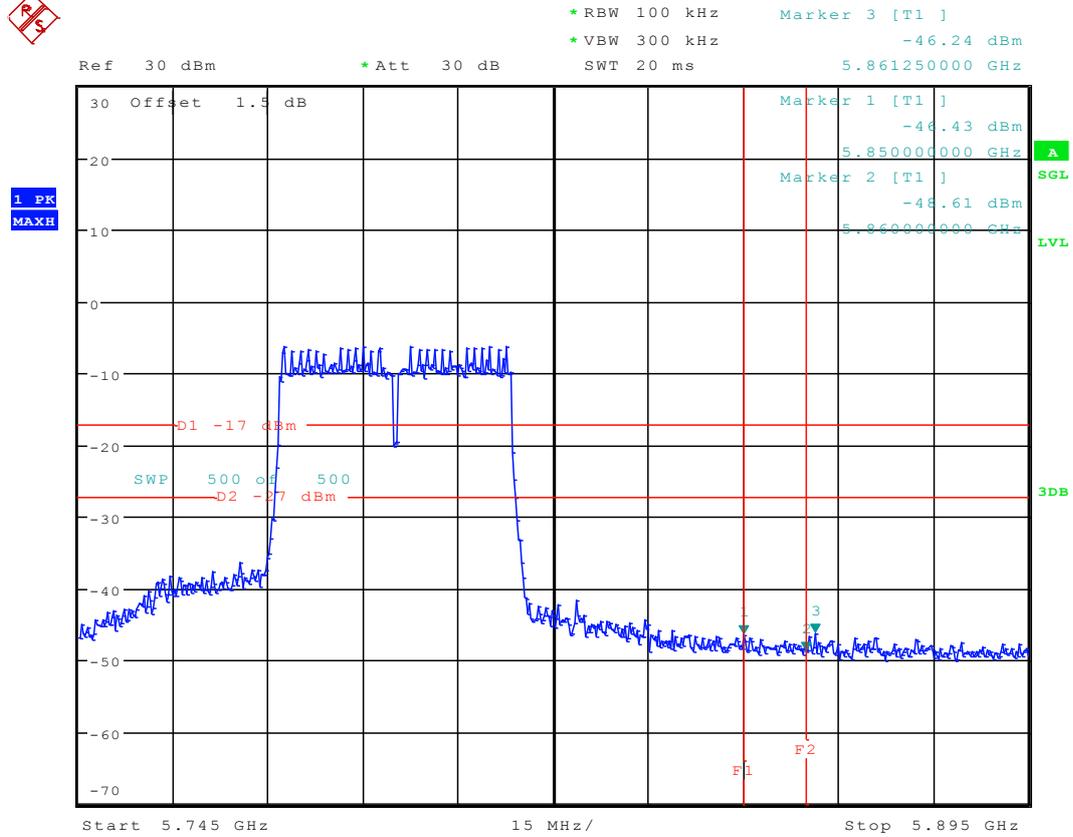
Date: 9.DEC.2016 17:54:26

7.97   11AC20_36 Ant 1

Date: 30.NOV.2016 16:33:51
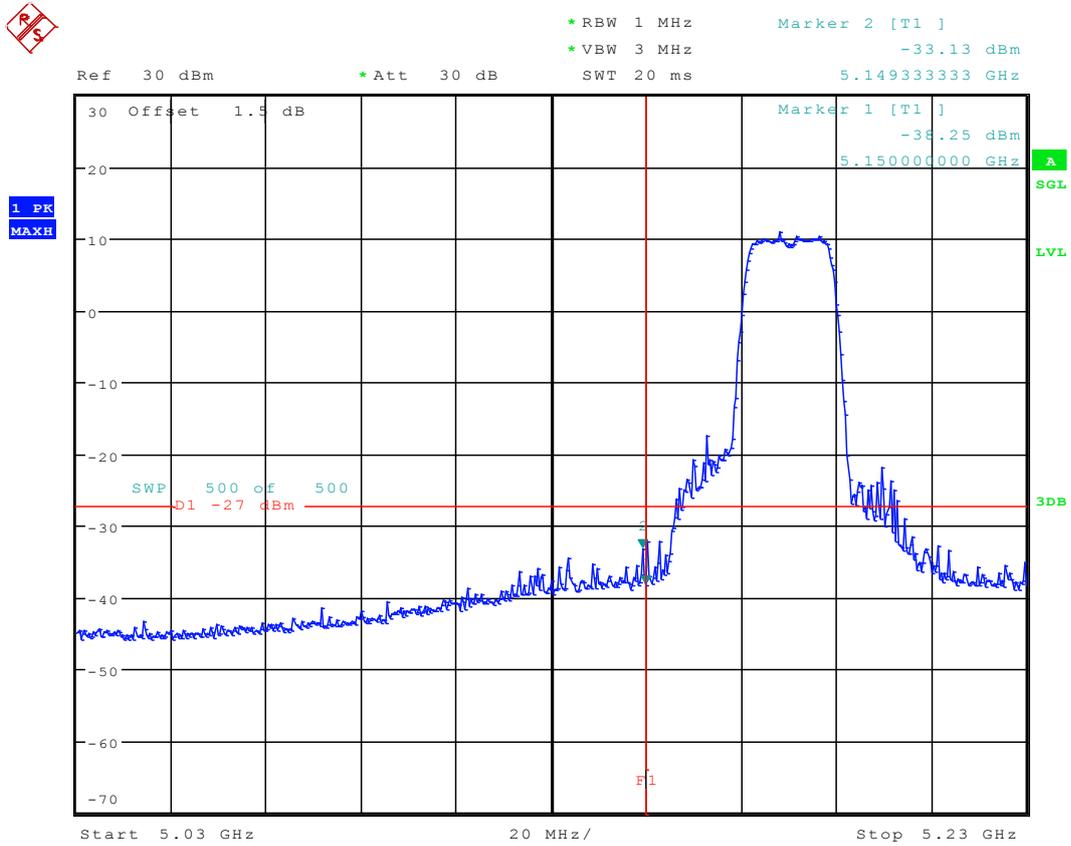
7.98 11AC20_36 Ant 2
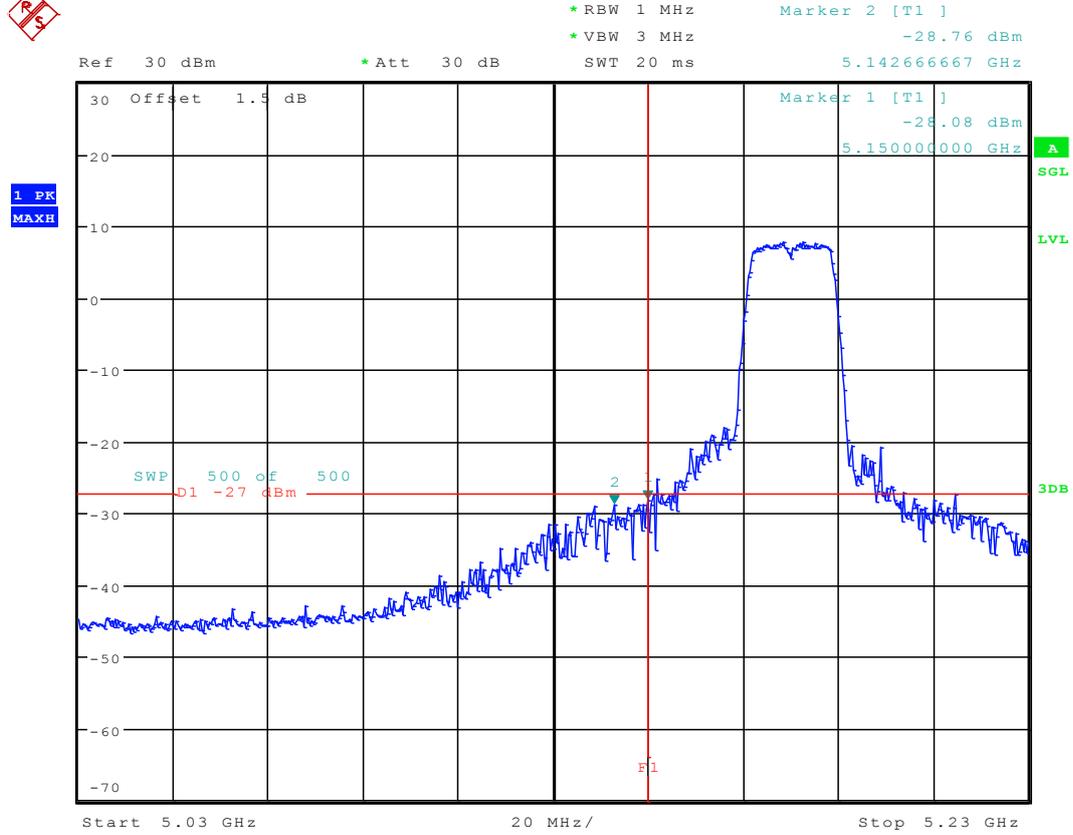

Date: 3.DEC.2016 12:01:16

7.99   11AC20M_36 Ant 1

```
                                    *RBW  1 MHz      Marker 2 [T1 ]
                                    *VBW  3 MHz            -33.13 dBm
         Ref   30 dBm               *Att  30 dB   SWT 20 ms    5.149333333 GHz

          30  Offset  1.5  dB                     Marker 1 [T1 ]
                                                        -38.25 dBm
          20                                         5.150000000 GHz    A
                                                                       SGL
 1 PK
 MAXH     10                                                           LVL

           0

         -10

         -20
         SWP   500 of   500
         D1 -27 dBm                                                   3DB
         -30
                                                                  2
         -40

         -50

         -60

         -70                                      F1

        Start 5.03 GHz          20 MHz/          Stop 5.23 GHz
```
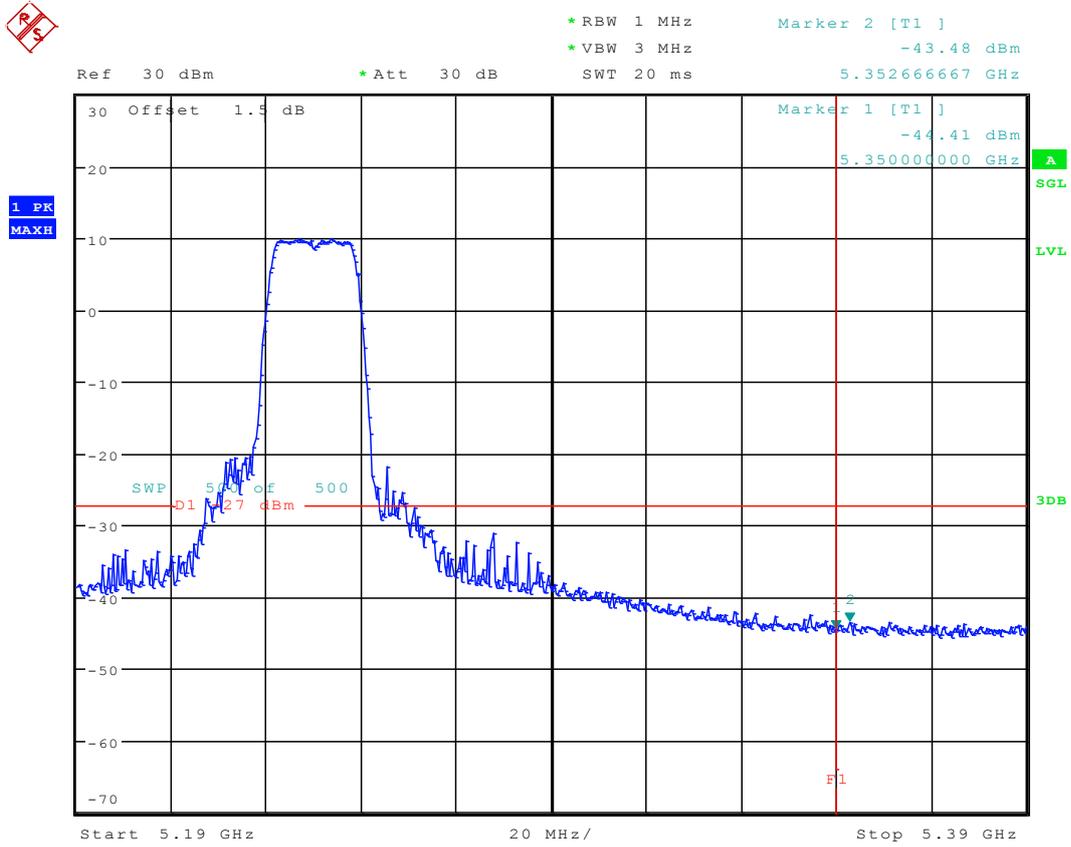
Date: 8.DEC.2016 11:31:09

7.100 11AC20M_36 Ant 2

Date: 10.DEC.2016 15:23:48

7.101 11AC20_48 Ant 1

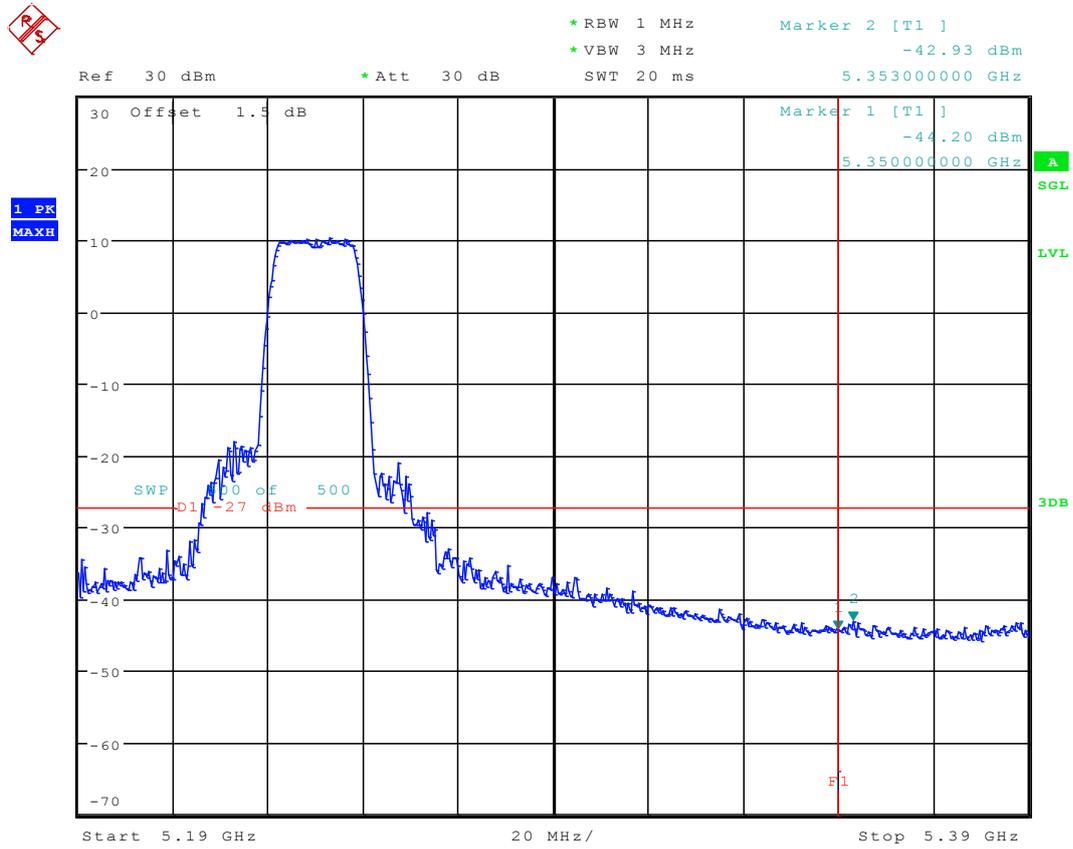Date: 30.NOV.2016 16:39:00

7.102 11AC20_48 Ant 2
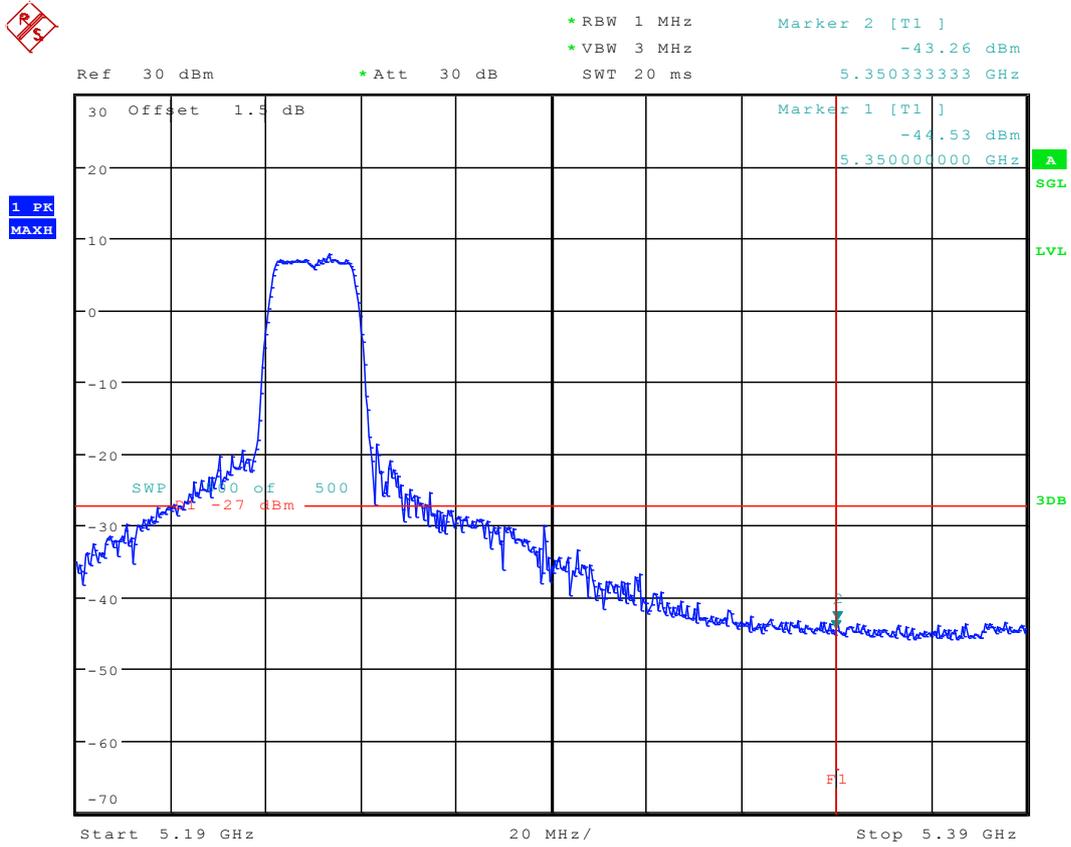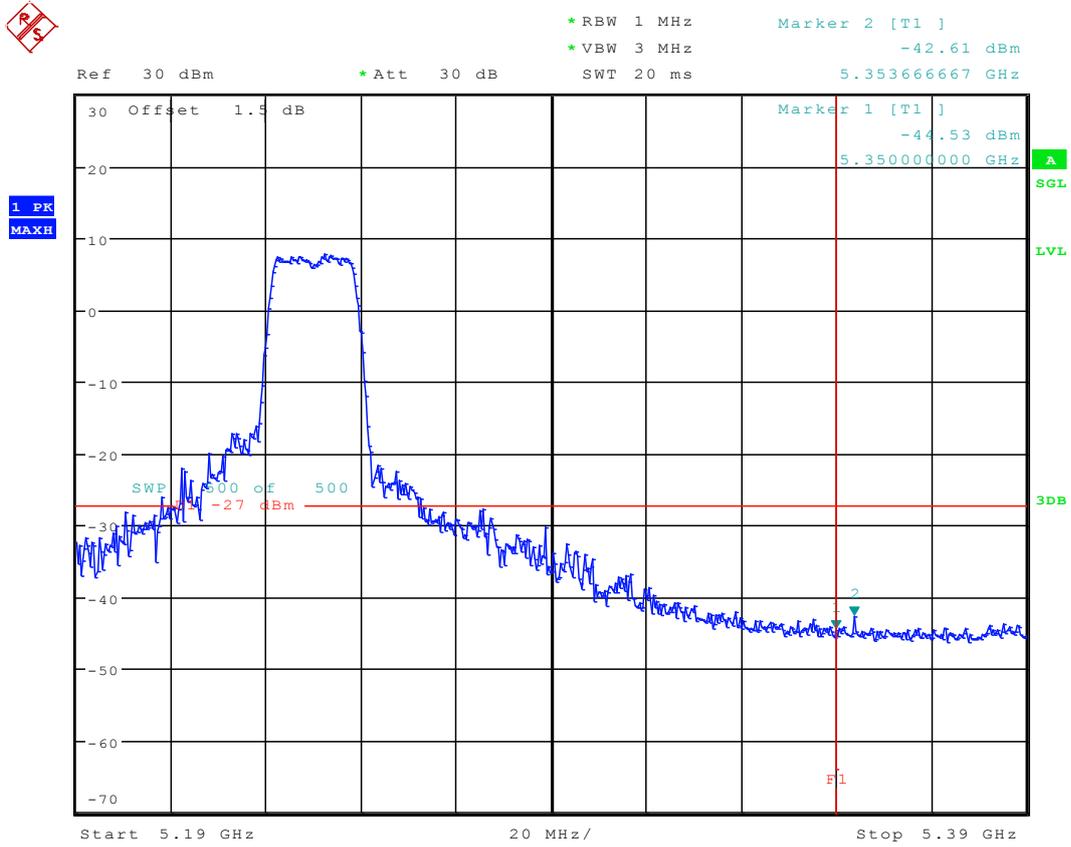

Date: 3.DEC.2016 12:09:29

7.103 11AC20M_48 Ant 1
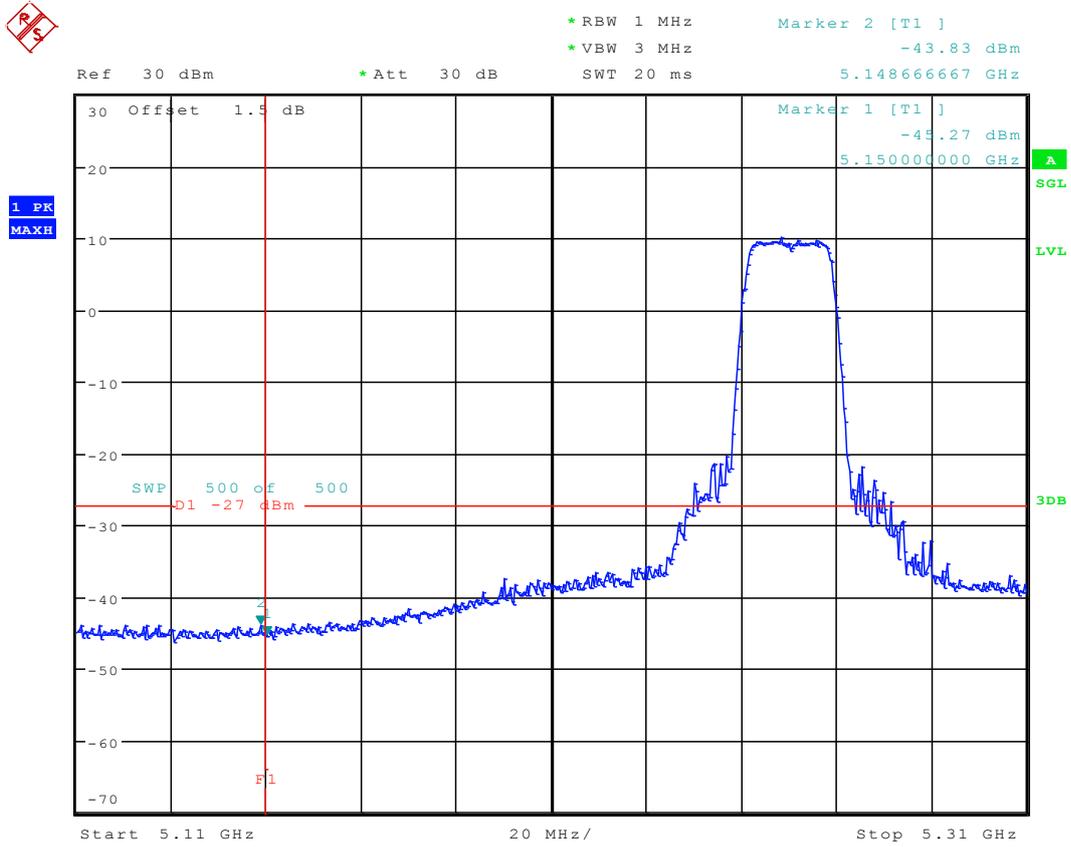

Date: 8.DEC.2016 11:36:49
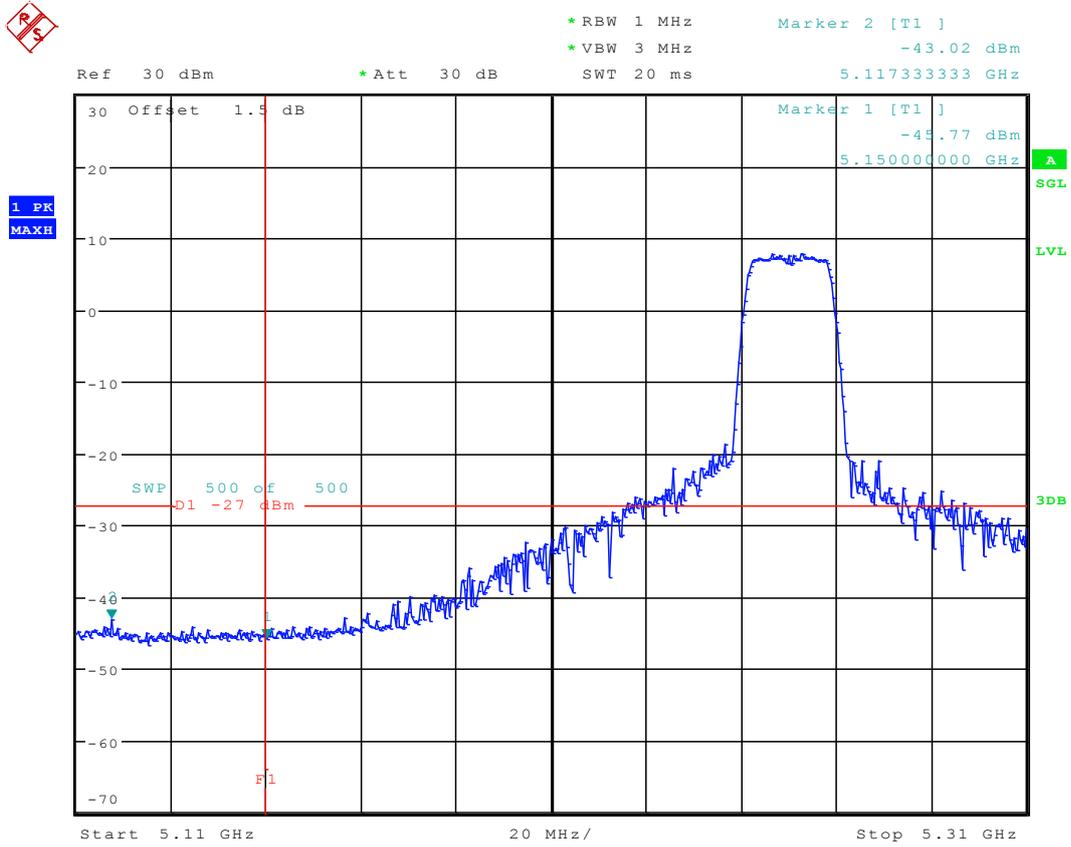
7.104 11AC20M_48 Ant 2

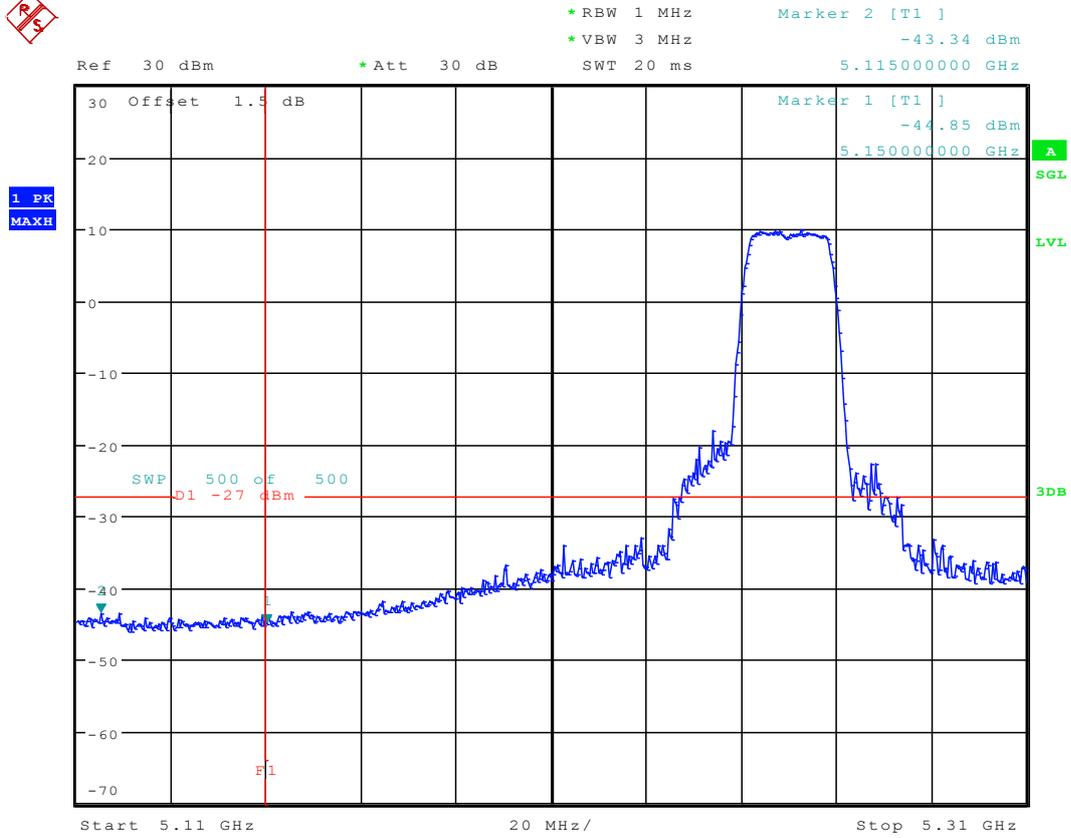
Date: 9.DEC.2016 14:44:18

7.105 11AC20_52 Ant 1


```
                                    *RBW  1 MHz        Marker 2 [T1 ]
                                    *VBW  3 MHz                -43.83 dBm
Ref  30 dBm            *Att  30 dB   SWT 20 ms        5.148666667 GHz

30  Offset  1.5 dB                              Marker 1 [T1 ]
                                                        -45.27 dBm
-20                                             5.150000000 GHz   A
                                                                  SGL
-10
                                                                  LVL
0

-10

-20
SWP  500 of  500
D1 -27 dBm                                                        3DB
-30

-40

-50

-60

-70
     F1
Start  5.11 GHz              20 MHz/              Stop  5.31 GHz
```

Date: 30.NOV.2016 16:45:44

7.106 11AC20_52 Ant 2

Date: 3.DEC.2016 12:15:06

7.107 11AC20M_52 Ant 1

Date: 8.DEC.2016 11:42:03
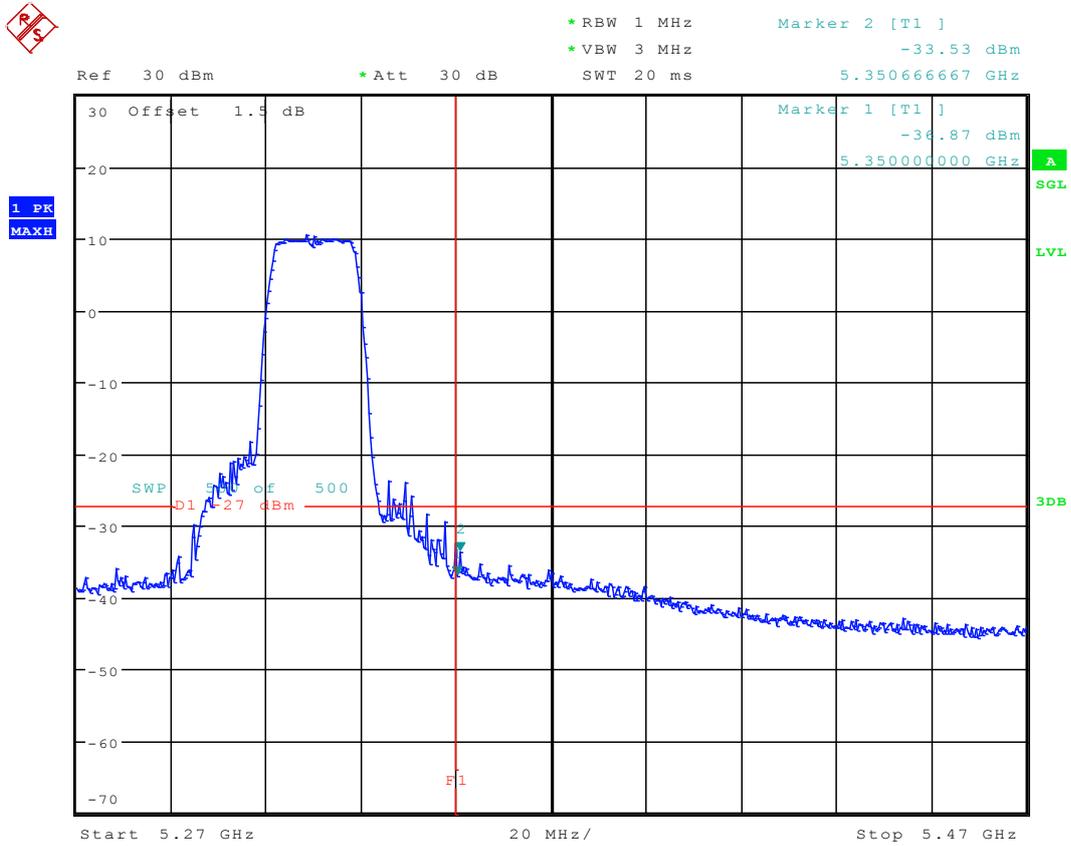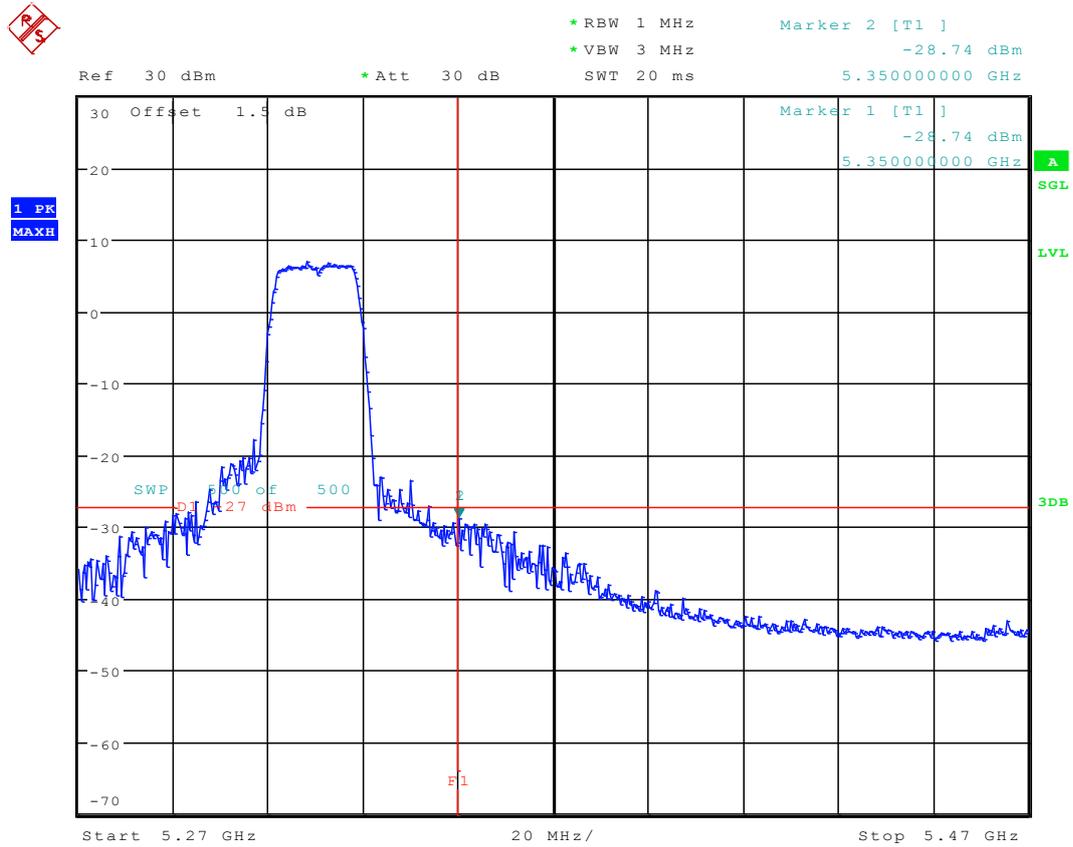
7.108 11AC20M_52 Ant 2


```
                                          *RBW  1 MHz      Marker 2 [T1 ]
                                          *VBW  3 MHz              -43.80 dBm
          Ref   30 dBm          *Att  30 dB    SWT 20 ms   5.116000000 GHz

           30  Offset   1.5 dB                  Marker 1 [T1 ]
                                                       -45.46 dBm
           -20                                  5.150000000 GHz    A
                                                                   SGL
  1 PK
  MAXH     -10                                                     LVL

             0

           -10

           -20
          SWP   500 of   500                                       3DB
          D1 -27 dBm
           -30

           -40

           -50

           -60

           -70
          Start  5.11 GHz              20 MHz/          Stop  5.31 GHz
```
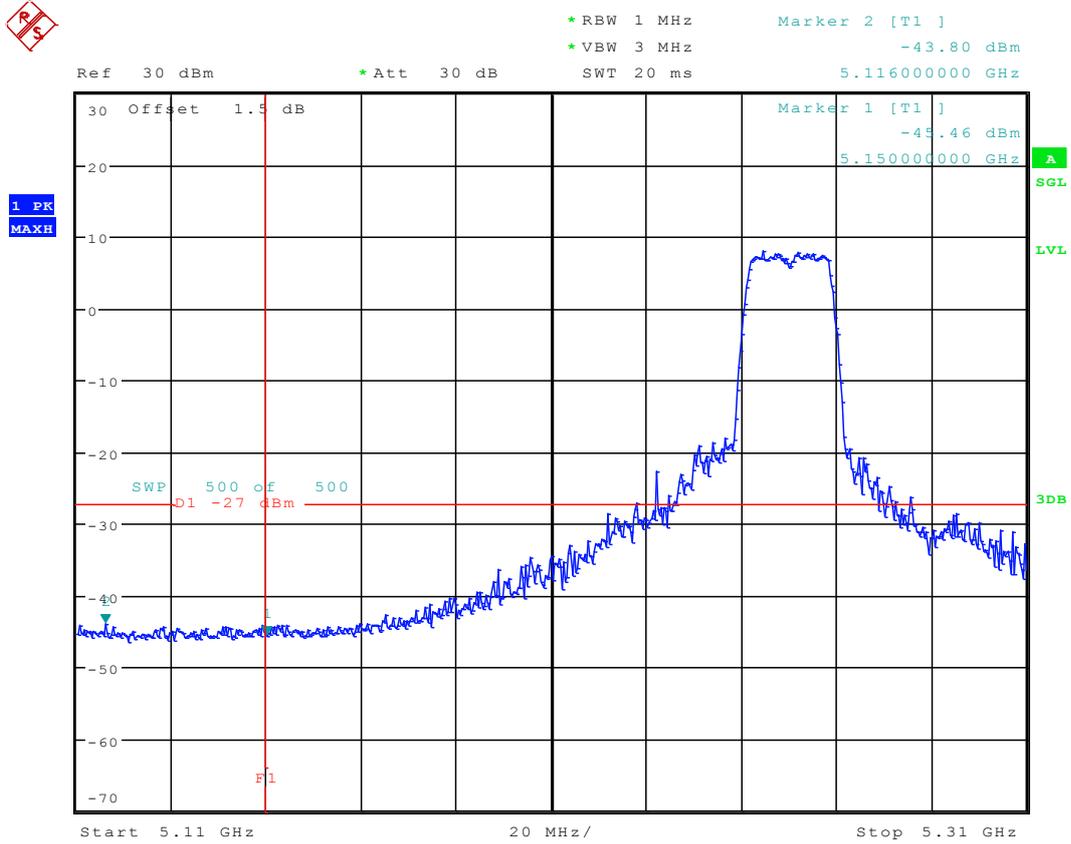
Date: 9.DEC.2016 15:07:29

7.109 11AC20_64 Ant 1


```
                                              *RBW  1 MHz        Marker 2 [T1 ]
                                              *VBW  3 MHz                  -33.53 dBm
          Ref   30 dBm           *Att  30 dB   SWT 20 ms         5.350666667 GHz

          30  Offset  1.5 dB                              Marker 1 [T1 ]
                                                                     -36.87 dBm
                                                                5.350000000 GHz   A
                                                                                  SGL

                                                                                  LVL
  1 PK
  MAXH

          SWP    5   of    500
          D1 -27 dBm                                                              3DB

                                            F1

          Start 5.27 GHz              20 MHz/              Stop 5.47 GHz
```

Date: 30.NOV.2016 16:50:35

7.110 11AC20_64 Ant 2

Date: 3.DEC.2016 14:40:33

7.111 11AC20M_64 Ant 1
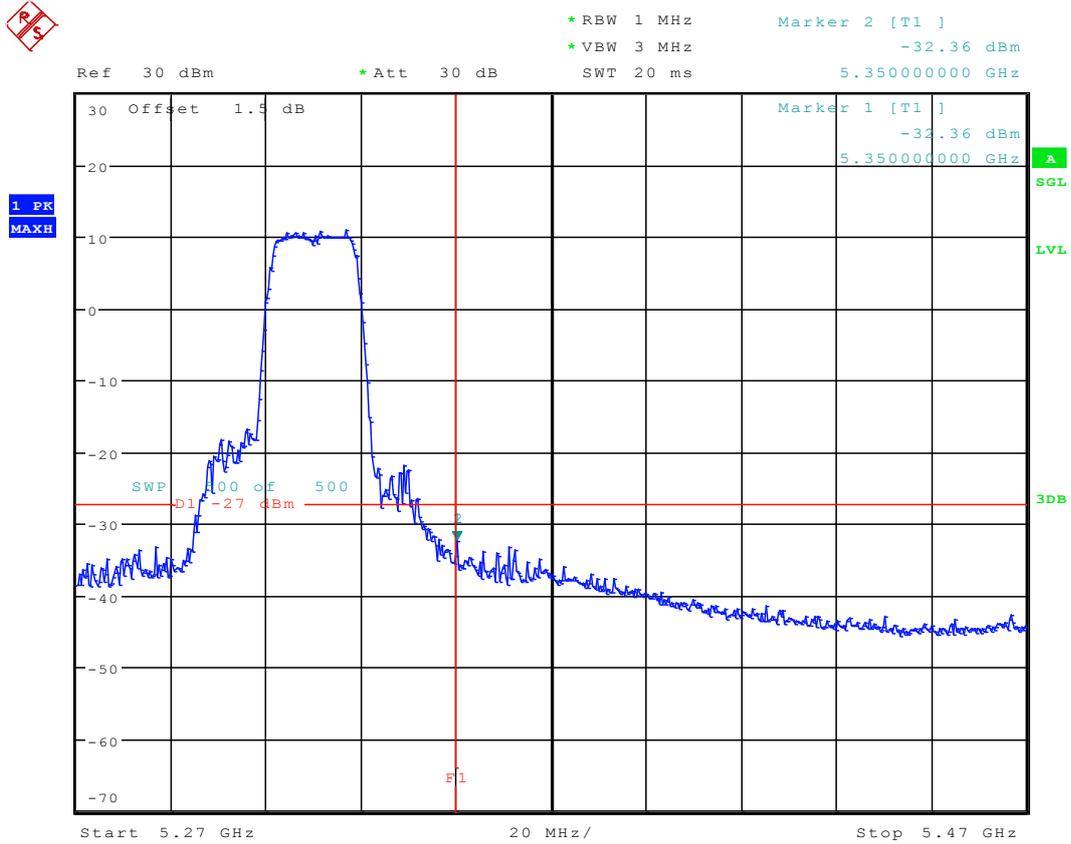
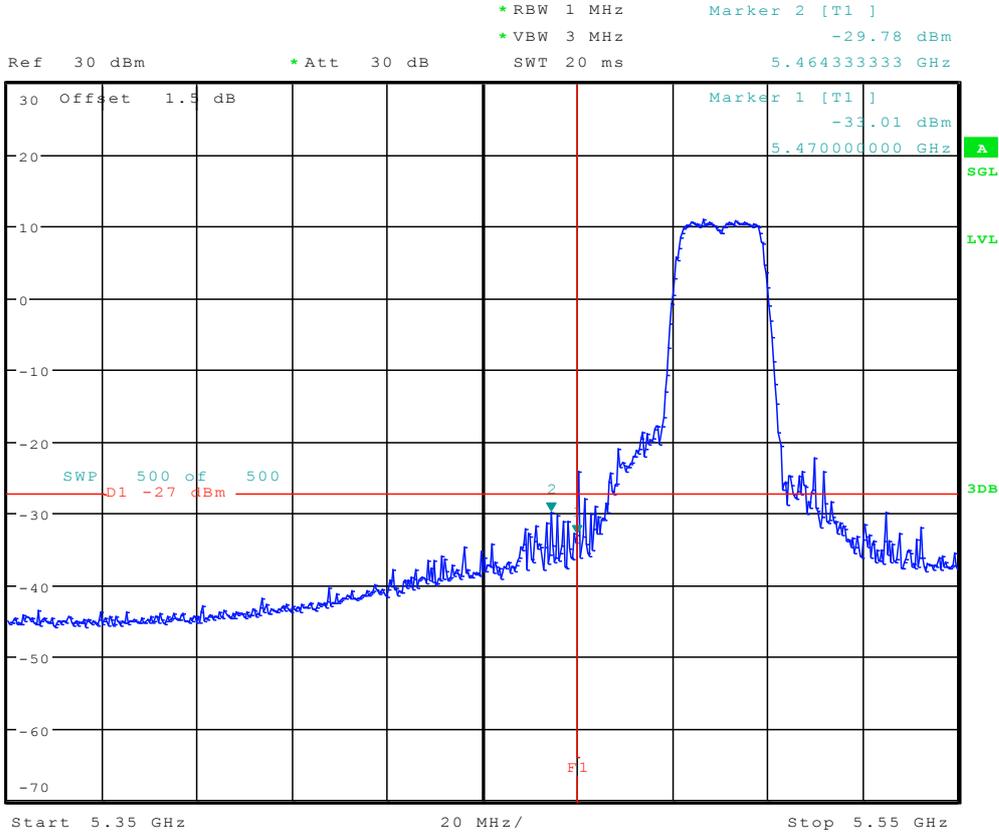Date: 8.DEC.2016 11:50:34

7.112 11AC20M_64 Ant 2
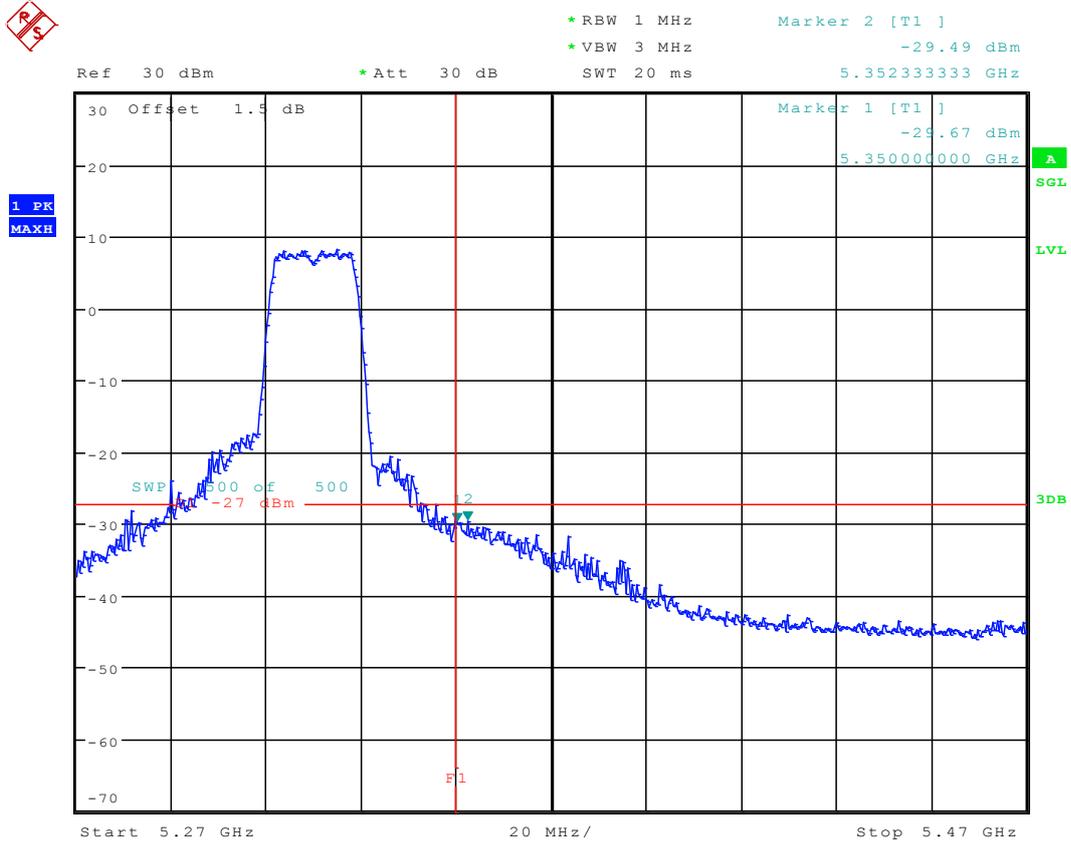
Date: 9.DEC.2016 15:15:26

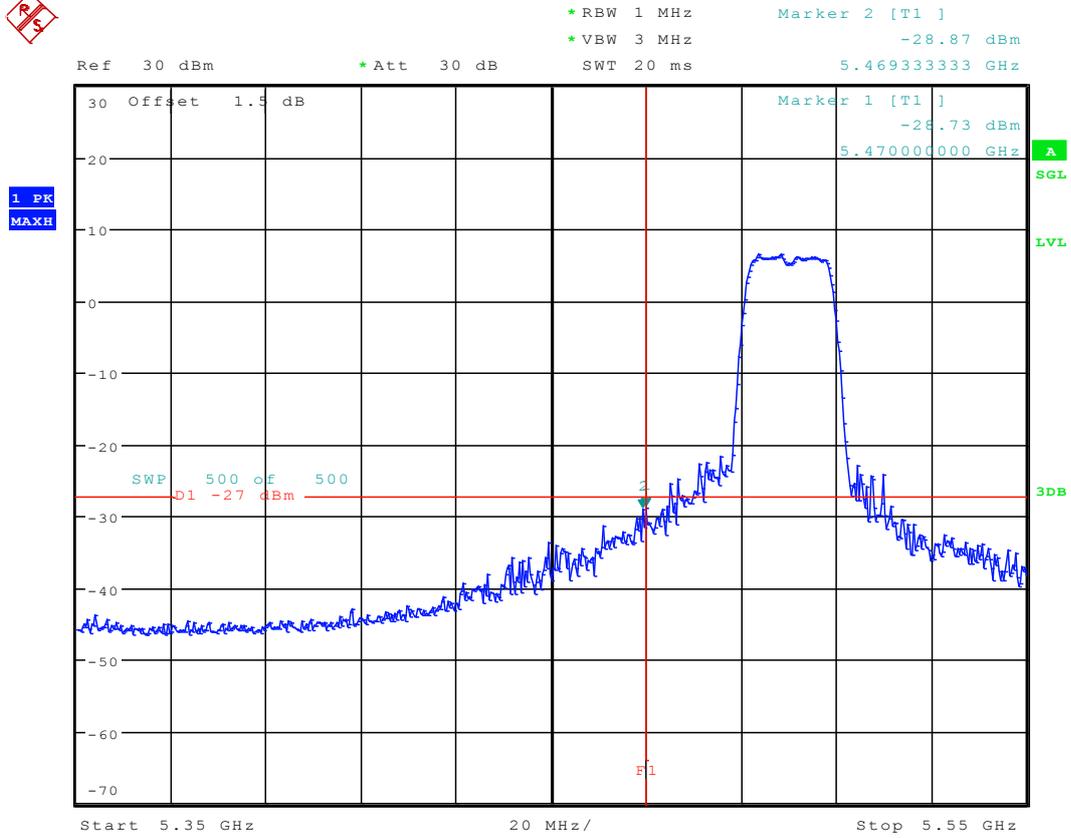### 7.113 11AC20_100 Ant 1

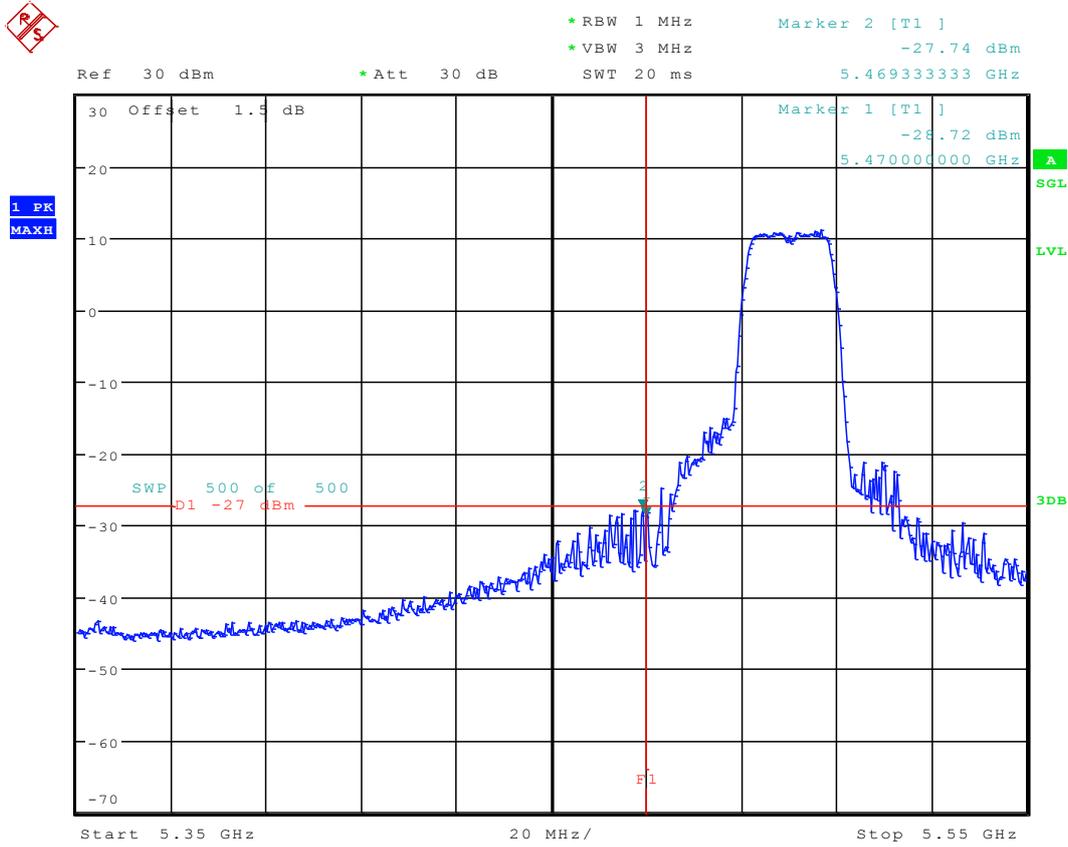Date: 30.NOV.2016 16:55:44

7.114 11AC20_100 Ant 2
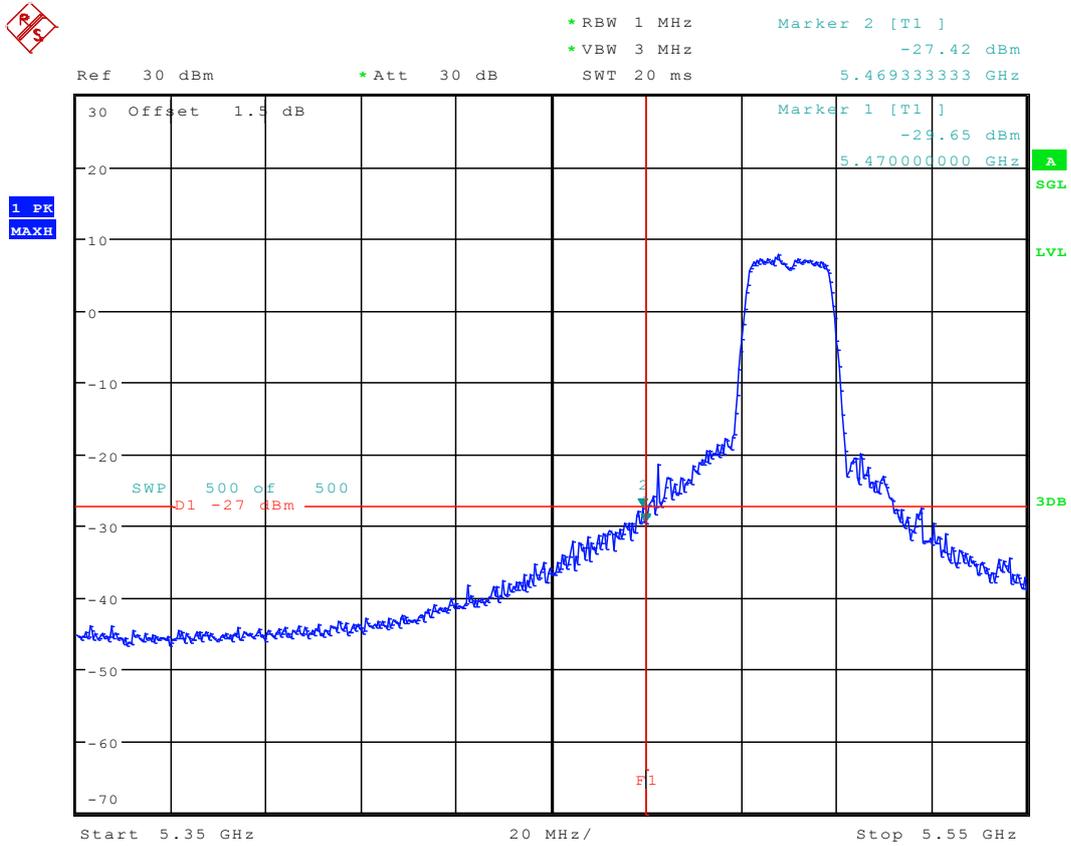

Date: 3.DEC.2016 14:35:16

7.115 11AC20M_100 Ant 1
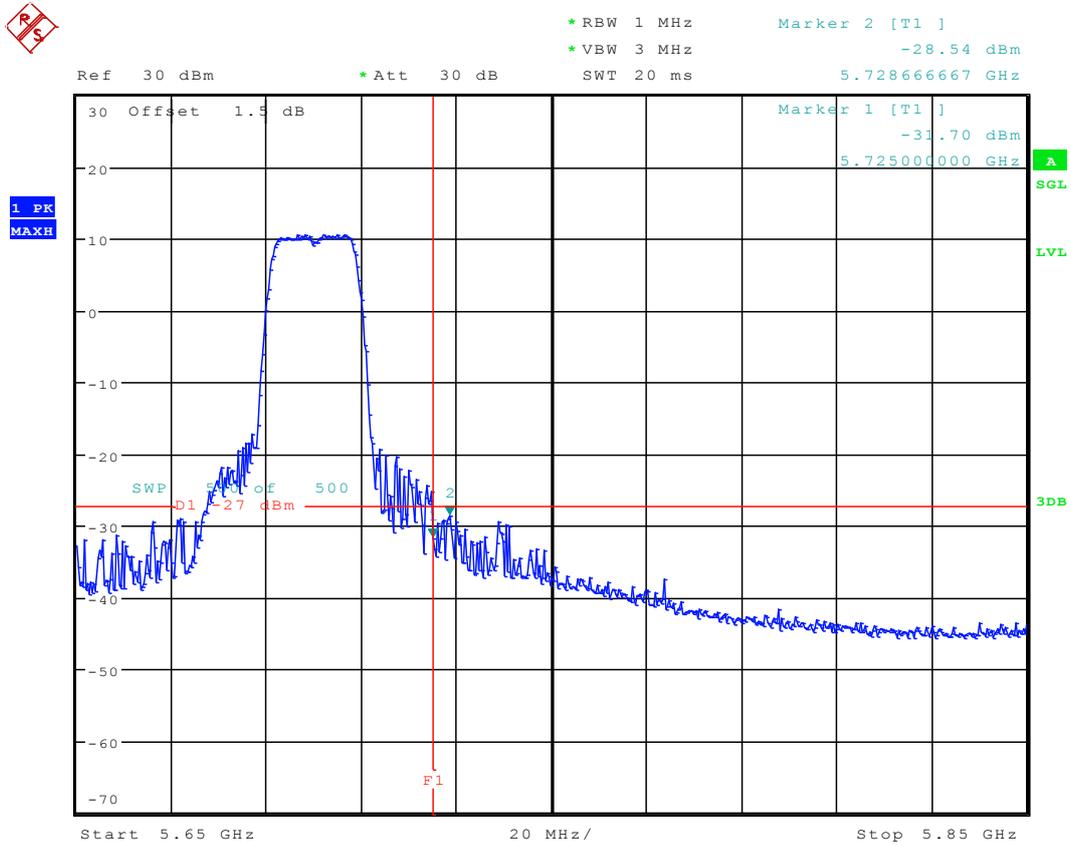

Date: 8.DEC.2016 11:55:52

7.116 11AC20M_100 Ant 2
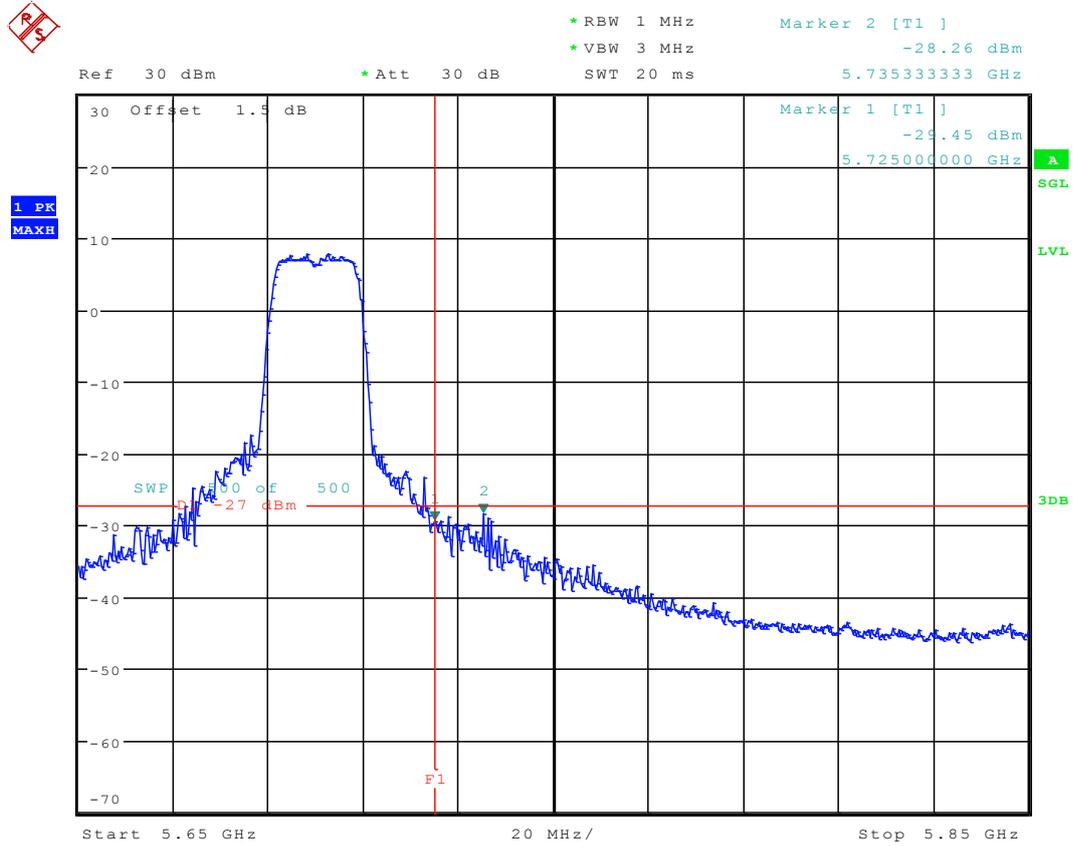

Date: 10.DEC.2016 11:31:18

7.117 11AC20_140 Ant 1
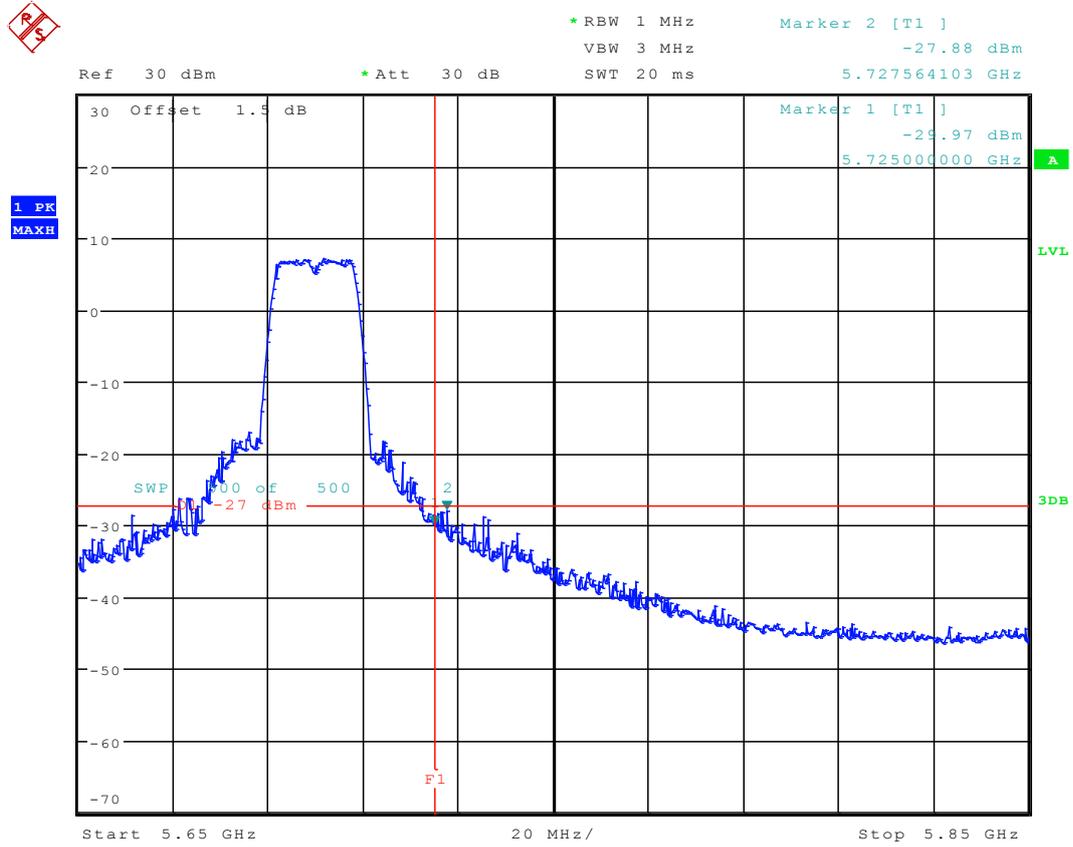

Date: 30.NOV.2016 17:00:31

7.118 11AC20_140 Ant 2
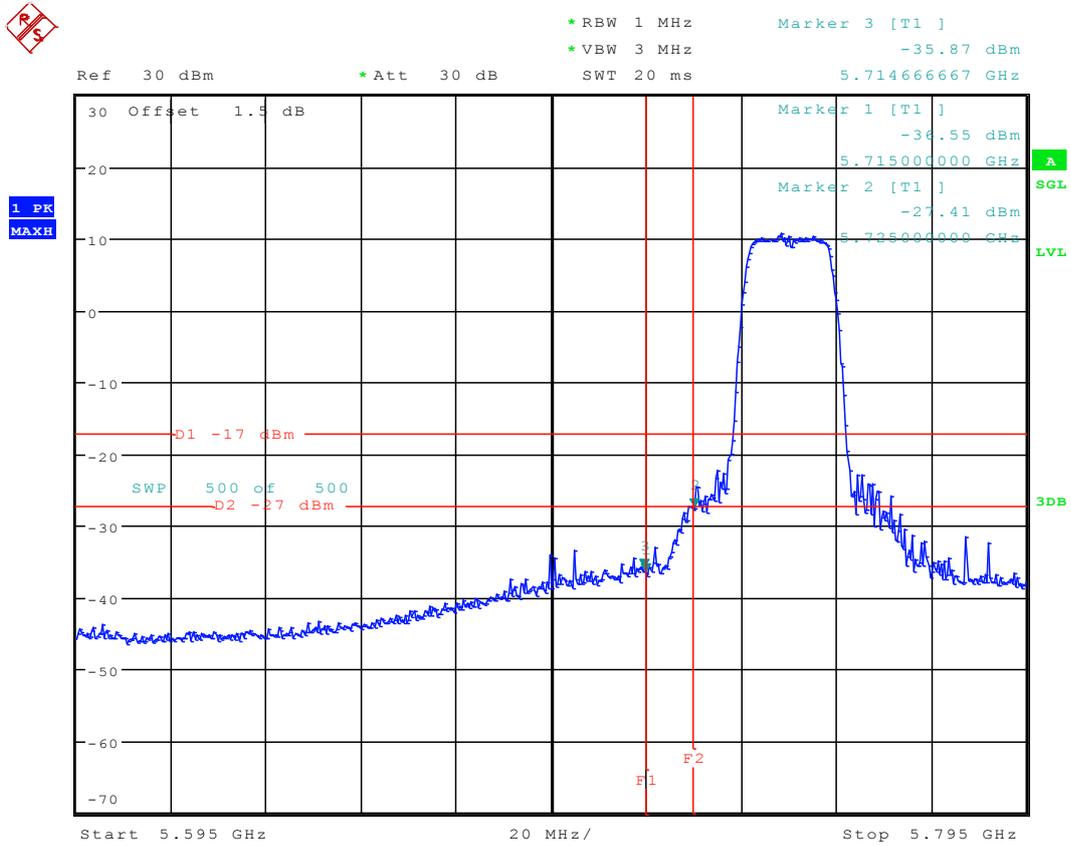

Date: 3.DEC.2016 12:36:59

7.119 11AC20M_140 Ant 1

Date: 8.DEC.2016 12:02:11

7.120 11AC20M_140 Ant 2

```
                                        * RBW  1 MHz        Marker 2 [T1 ]
                                          VBW  3 MHz                   -27.88 dBm
     Ref   30 dBm            * Att   30 dB  SWT 20 ms        5.727564103 GHz

     30  Offset   1.5  dB                            Marker 1 [T1 ]
                                                              -29.97 dBm
     -20                                             5.725000000 GHz   A

                                                                       LVL
     -10

       0

     -10

     -20

              SWP   500 of   500        2                               3DB
            -27 dBm

     -30

     -40

     -50

     -60

     -70                    F1

     Start  5.65 GHz              20 MHz/            Stop  5.85 GHz
```
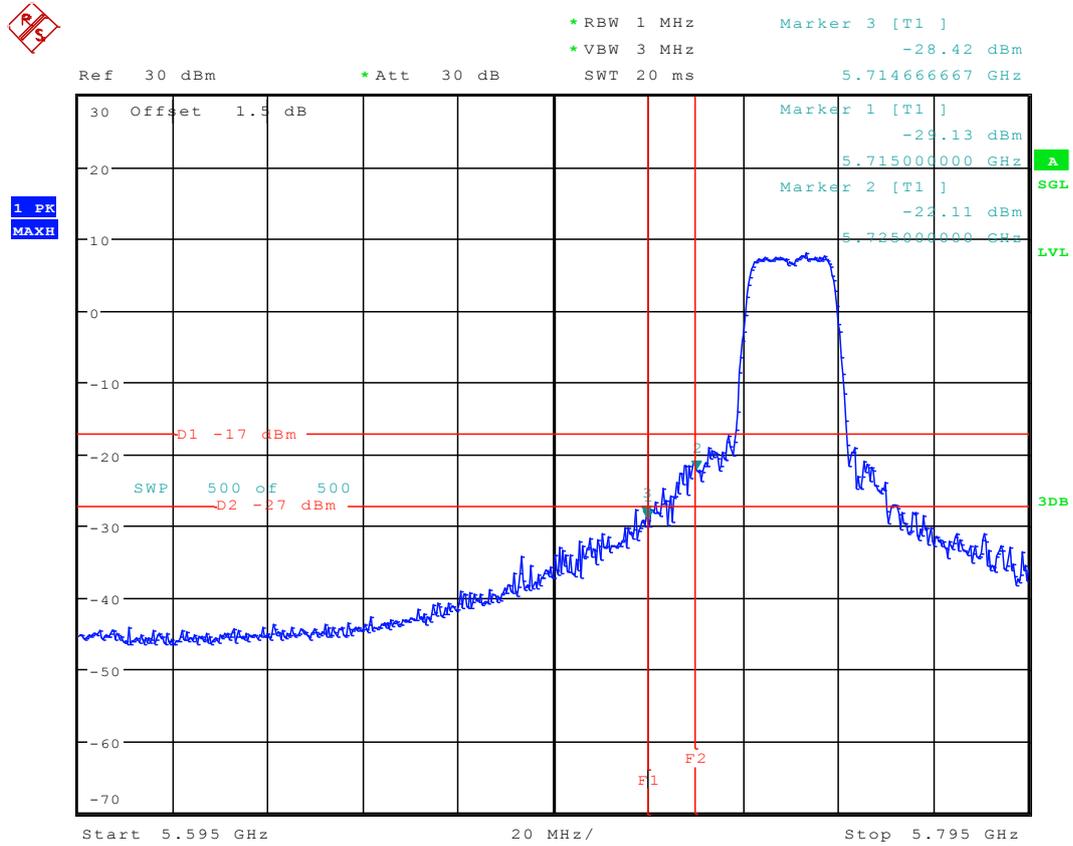
Date: 10.DEC.2016 16:15:33

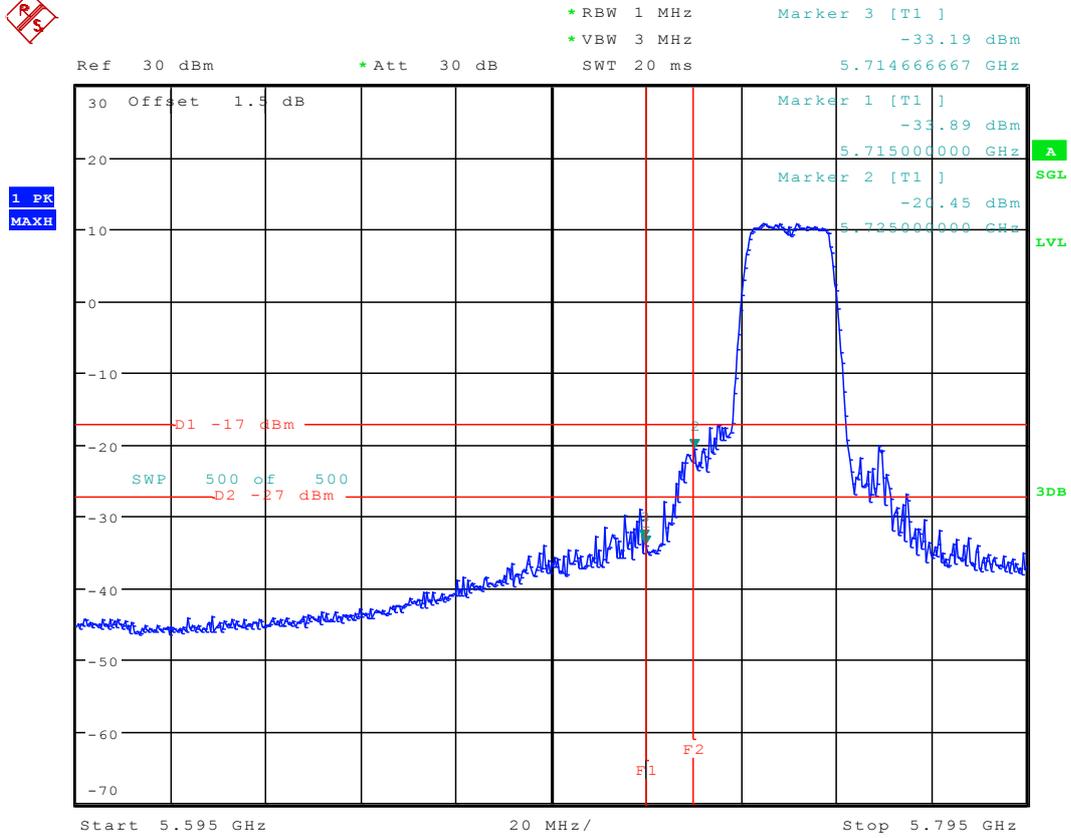### 7.121 11AC20_149 Ant 1

Date: 30.NOV.2016 17:09:32

7.122 11AC20_149 Ant 2

Date: 3.DEC.2016 14:48:07

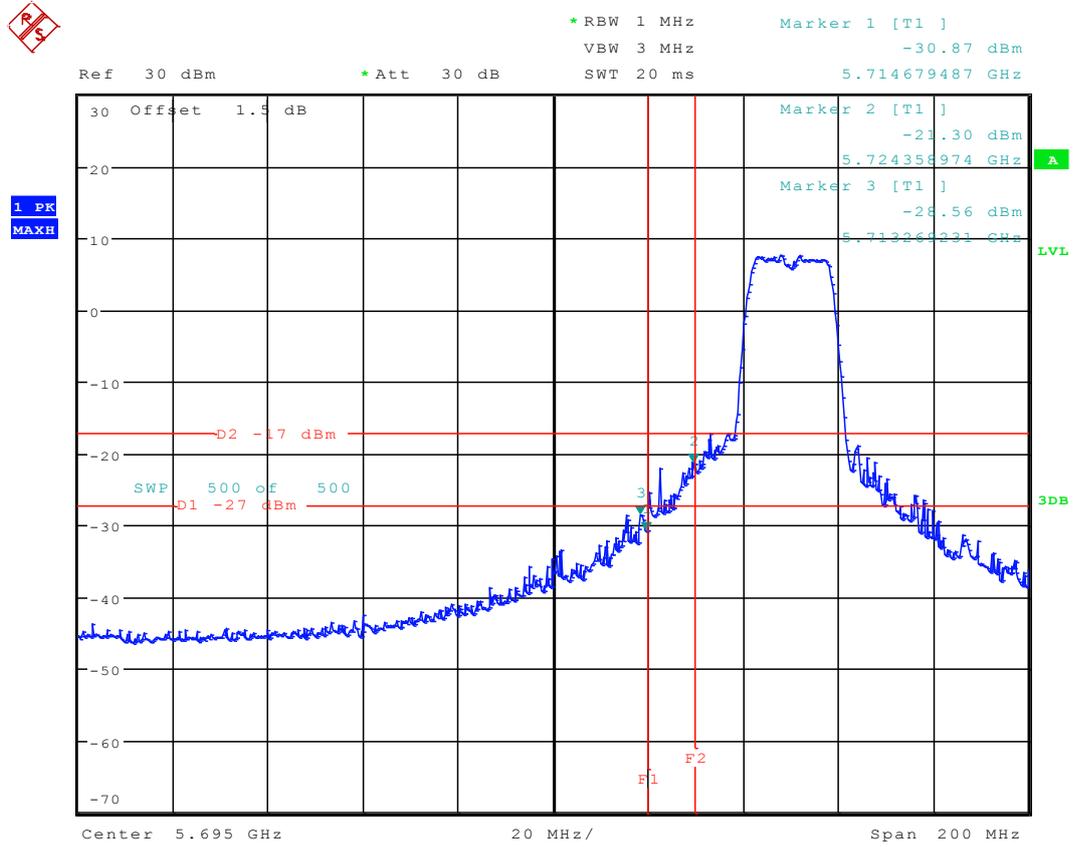### 7.123 11AC20M_149 Ant 1
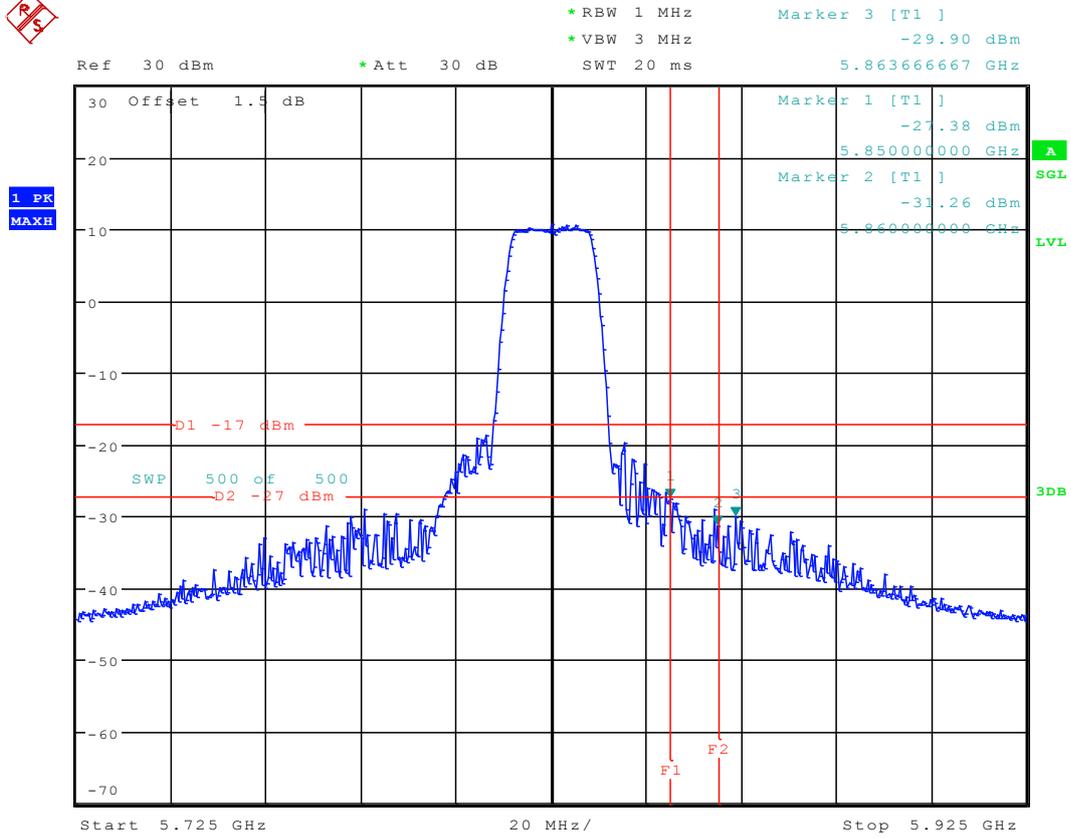

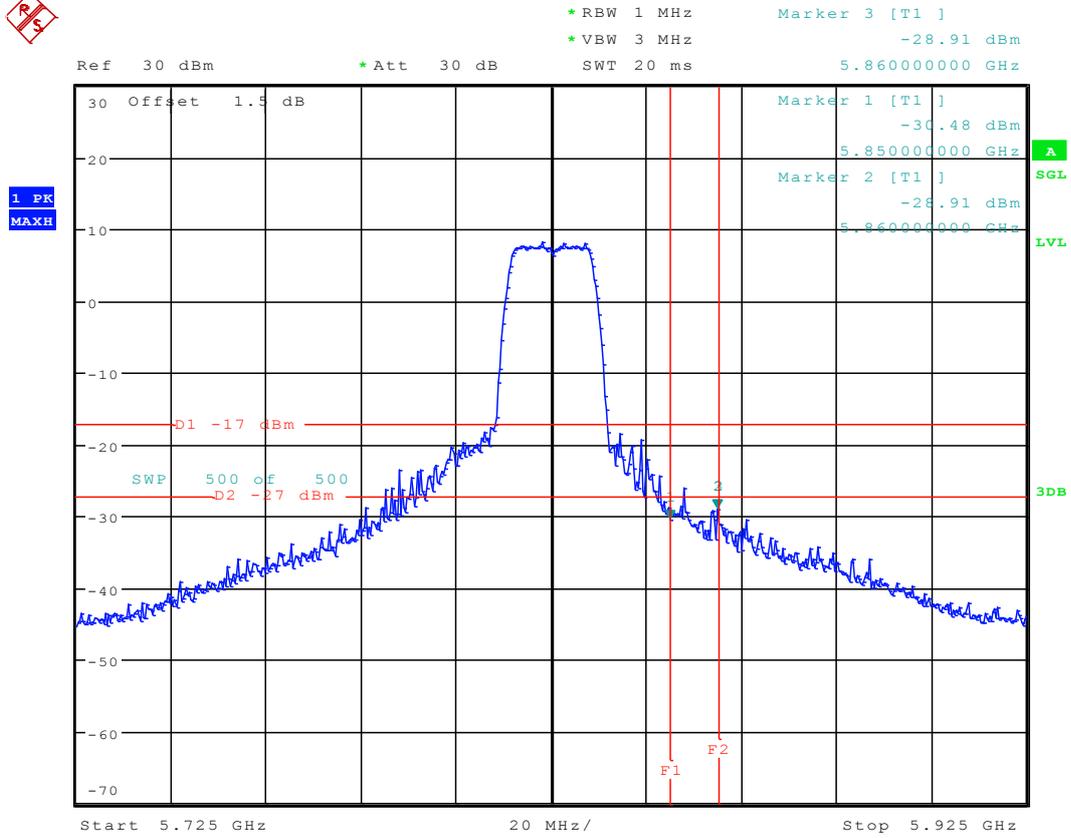Date: 8.DEC.2016 12:09:08

7.124 11AC20M_149 Ant 2


```
                                        * RBW  1 MHz      Marker 1 [T1 ]
                                          VBW  3 MHz                    -30.87 dBm
     Ref   30 dBm          * Att   30 dB   SWT 20 ms         5.714679487 GHz

      30  Offset   1.5  dB                 Marker 2 [T1 ]
                                                           -21.30 dBm
    -20                                     5.724358974 GHz   A
                                          Marker 3 [T1 ]
    -10                                                    -28.56 dBm
                                            5.713266231 GHz  LVL

      0

    --10

          D2 -17 dBm                                               3DB
    --20
          SWP   500 of   500
          D1 -27 dBm
    --30

    --40

    --50

    --60                              F2
                                    F1
    --70

     Center  5.695 GHz          20 MHz/              Span  200 MHz
```

Date: 10.DEC.2016 16:01:25

7.125 11AC20_165 Ant 1

* RBW 1 MHz
* VBW 3 MHz
SWT 20 ms

Ref 30 dBm   * Att 30 dB

Marker 3 [T1]
                -29.90 dBm
        5.863666667 GHz

Marker 1 [T1]
                -27.38 dBm
        5.850000000 GHz

Marker 2 [T1]
                -31.26 dBm
        5.860000000 GHz

30 Offset 1.5 dB

1 PK
MAXH

A
SGL

LVL

D1 -17 dBm

SWP 500 of 500
D2 -27 dBm

3DB

F2

F1

Start 5.725 GHz   20 MHz/   Stop 5.925 GHz

Date: 30.NOV.2016 17:15:01

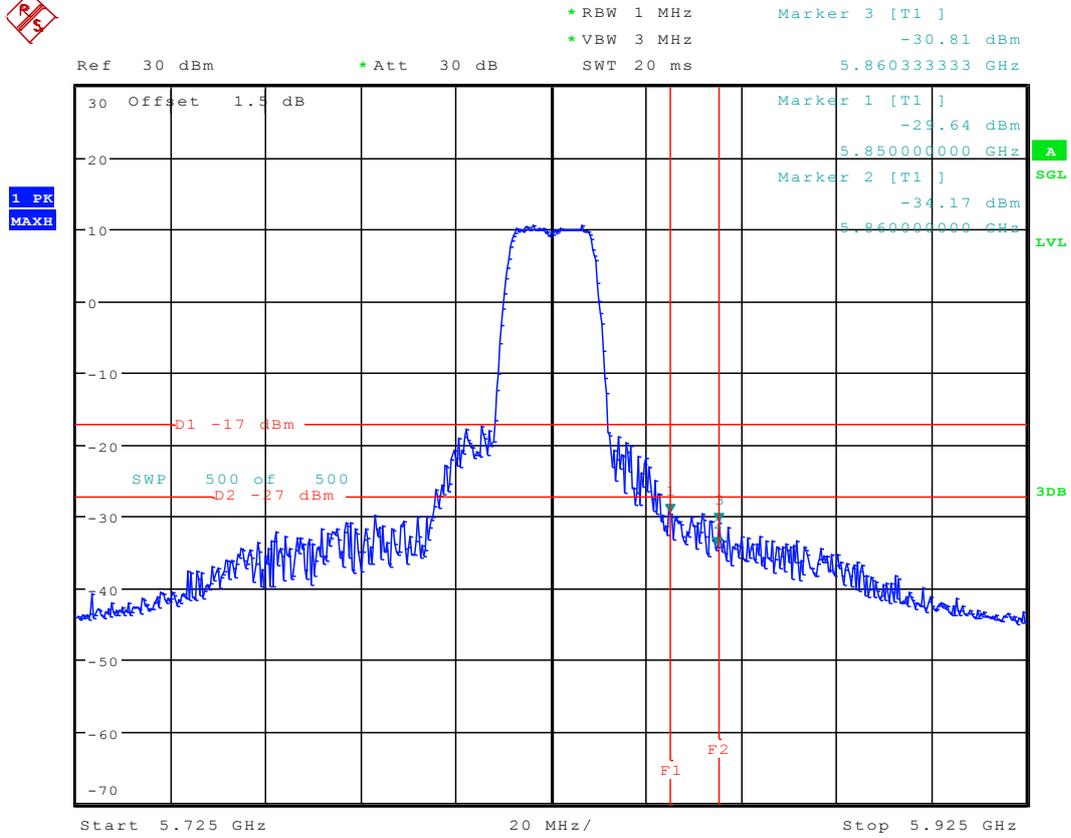### 7.126 11AC20_165 Ant 2

Date: 3.DEC.2016 14:56:19

7.127 11AC20M_165 Ant 1

Date: 8.DEC.2016 12:15:20
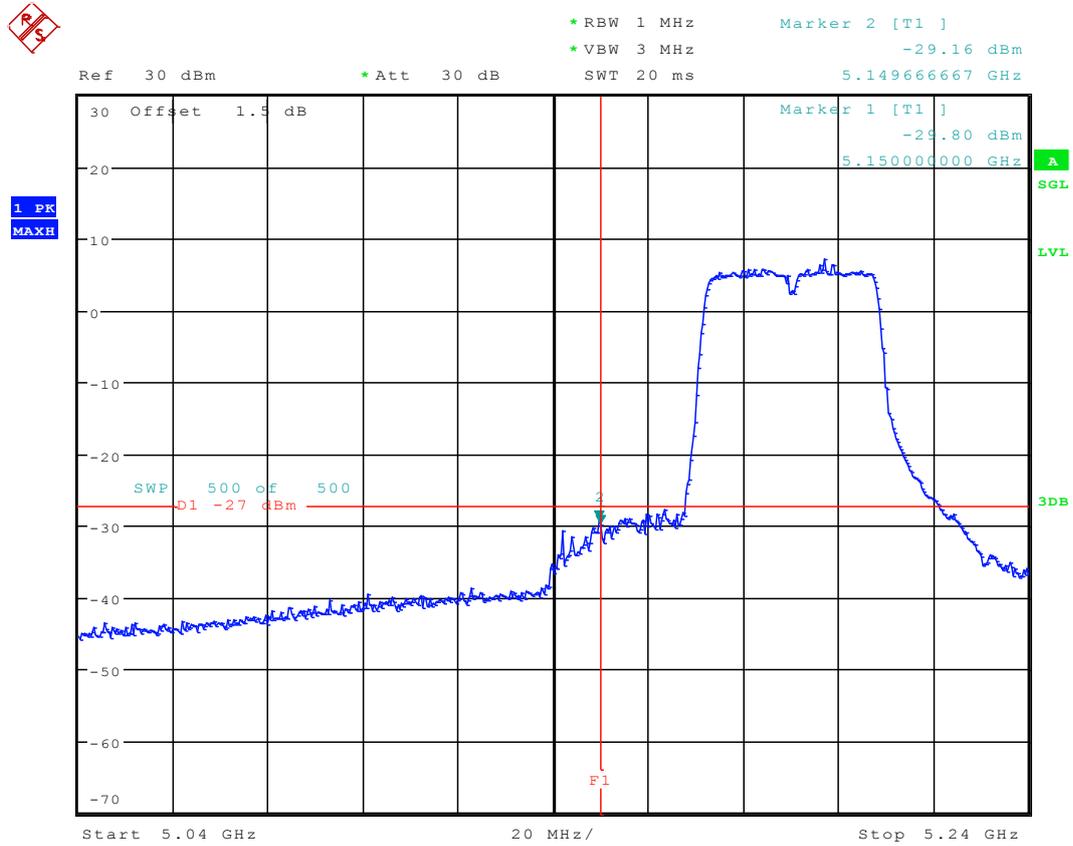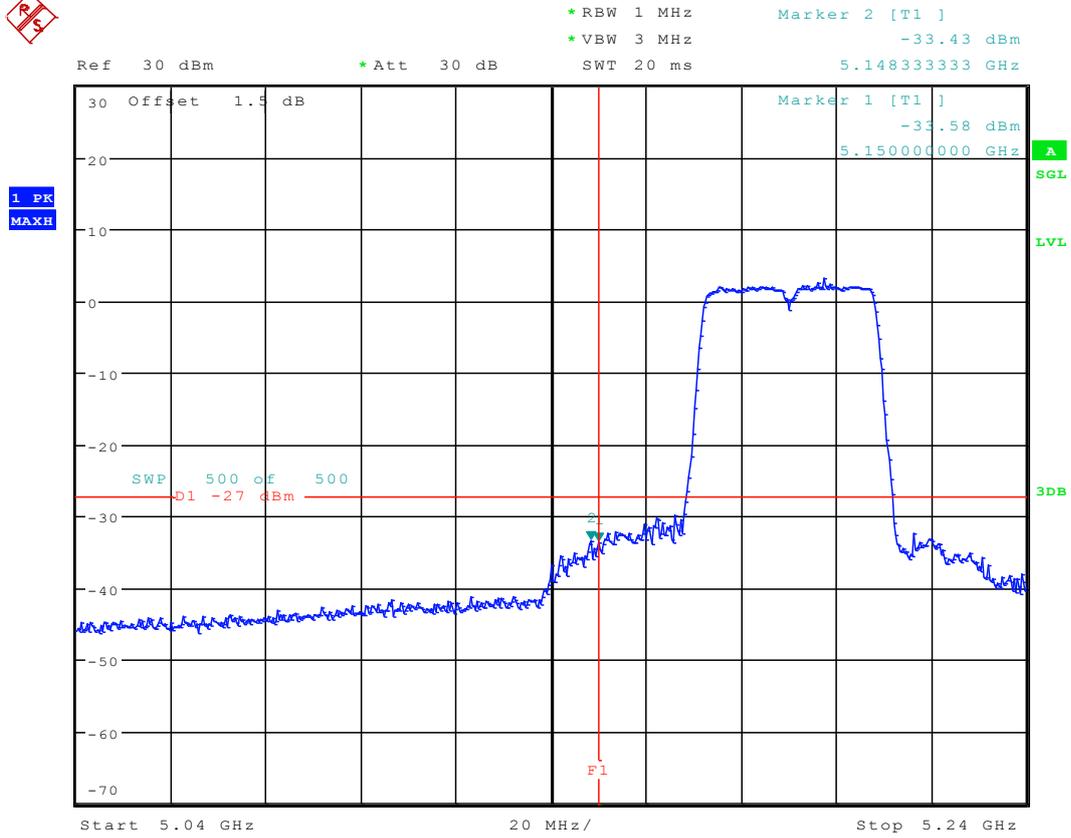
7.128 11AC20M_165 Ant 2


```
                                          *RBW  1 MHz        Marker 3 [T1 ]
                                          *VBW  3 MHz                -30.06 dBm
       Ref   30 dBm            *Att   30 dB     SWT 20 ms     5.862000000 GHz
       30  Offset   1.5 dB                              Marker 1 [T1 ]
                                                               -28.96 dBm
        20                                              5.850000000 GHz      A
                                                       Marker 2 [T1 ]          SGL
        10                                                     -30.83 dBm
                                                       5.860000000 GHz       LVL
         0

       -10

            D1 -17 dBm                                                        3DB
       -20
            SWP   500 of  500
            D2 -27 dBm
       -30

       -40

       -50

       -60                                        F2
                                             F1
       -70

       Start  5.725 GHz          20 MHz/              Stop  5.925 GHz
```
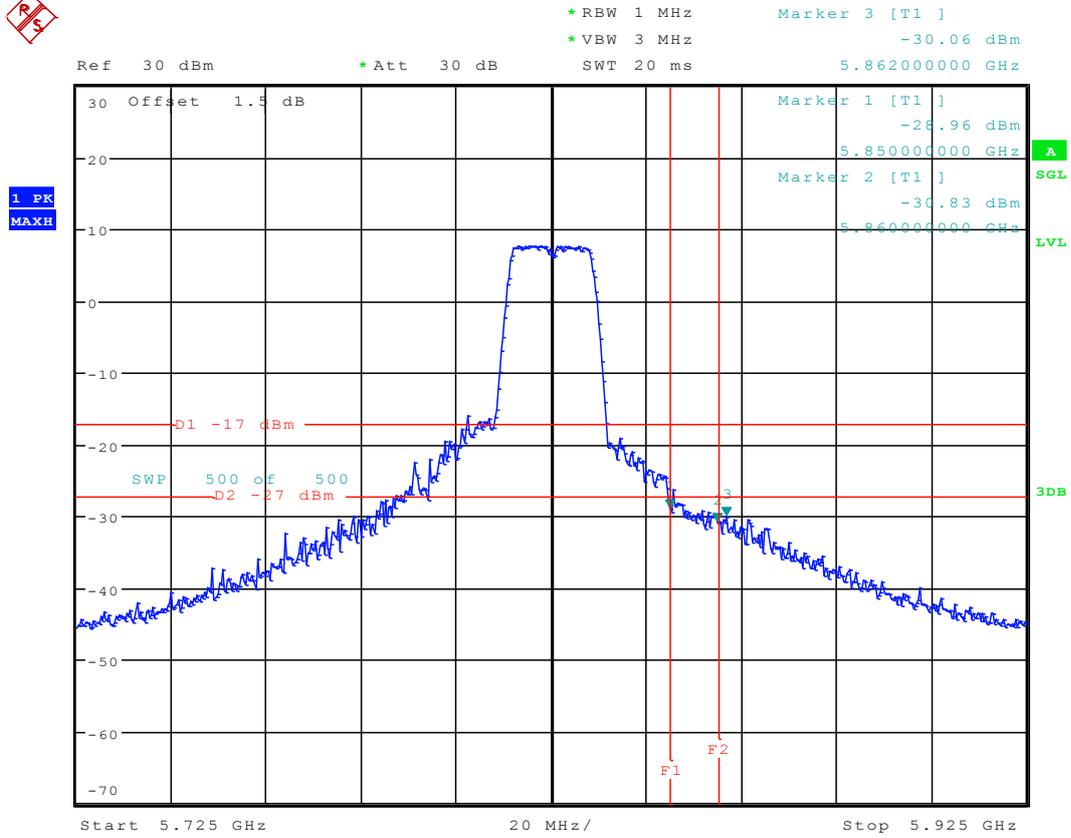
Date: 17.DEC.2016 09:45:59

7.129 11AC40_38 Ant 1


```
                                              * RBW  1 MHz        Marker 2 [T1 ]
                                              * VBW  3 MHz                    -29.16 dBm
           Ref   30 dBm              * Att  30 dB     SWT 20 ms     5.149666667 GHz

            30  Offset  1.5 dB                        Marker 1 [T1 ]
                                                                    -29.80 dBm
           20                                                  5.150000000 GHz    A
                                                                                  SGL
    1 PK
    MAXH   10                                                                     LVL

            0

          -10

          -20
           SWP   500 of   500                                                     3DB
          -30   D1 -27 dBm

          -40

          -50

          -60

          -70
          Start 5.04 GHz              20 MHz/              Stop 5.24 GHz
```

Date: 30.NOV.2016 18:24:58

7.130 11AC40_38 Ant 2

Date: 3.DEC.2016 16:17:27

7.131 11AC40M_38 Ant 1
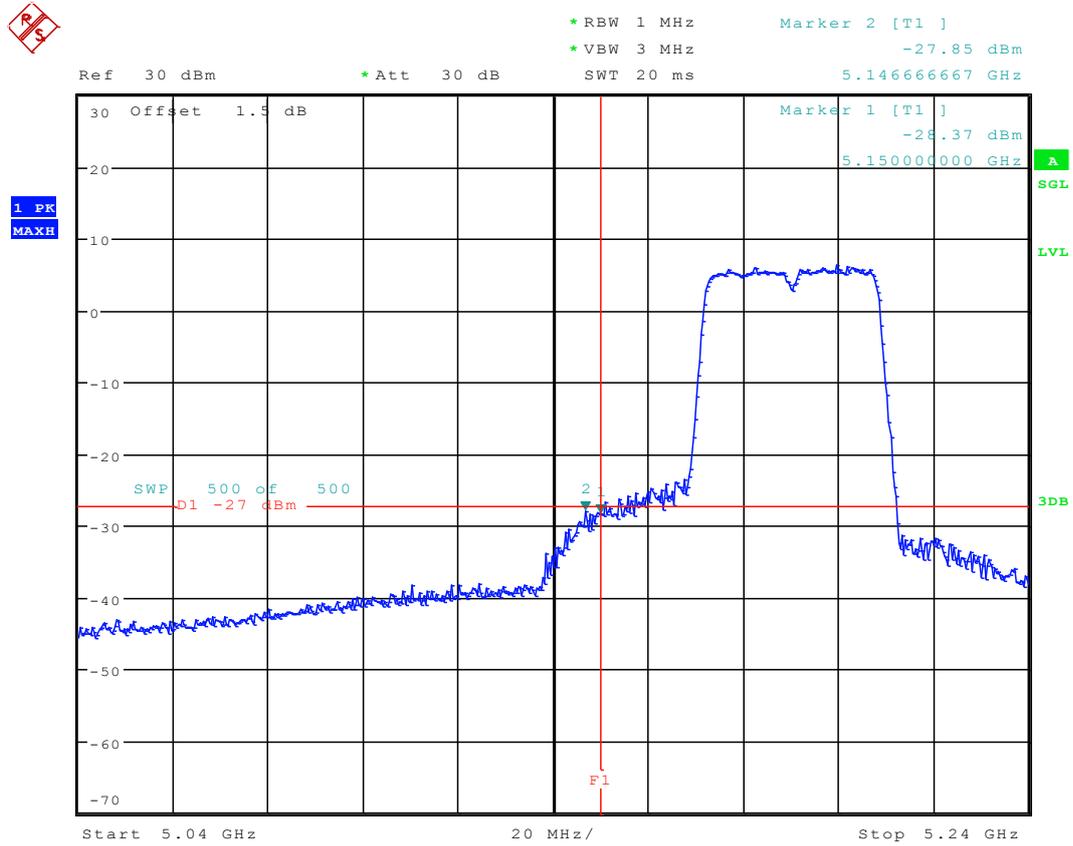
Date: 8.DEC.2016 14:40:00
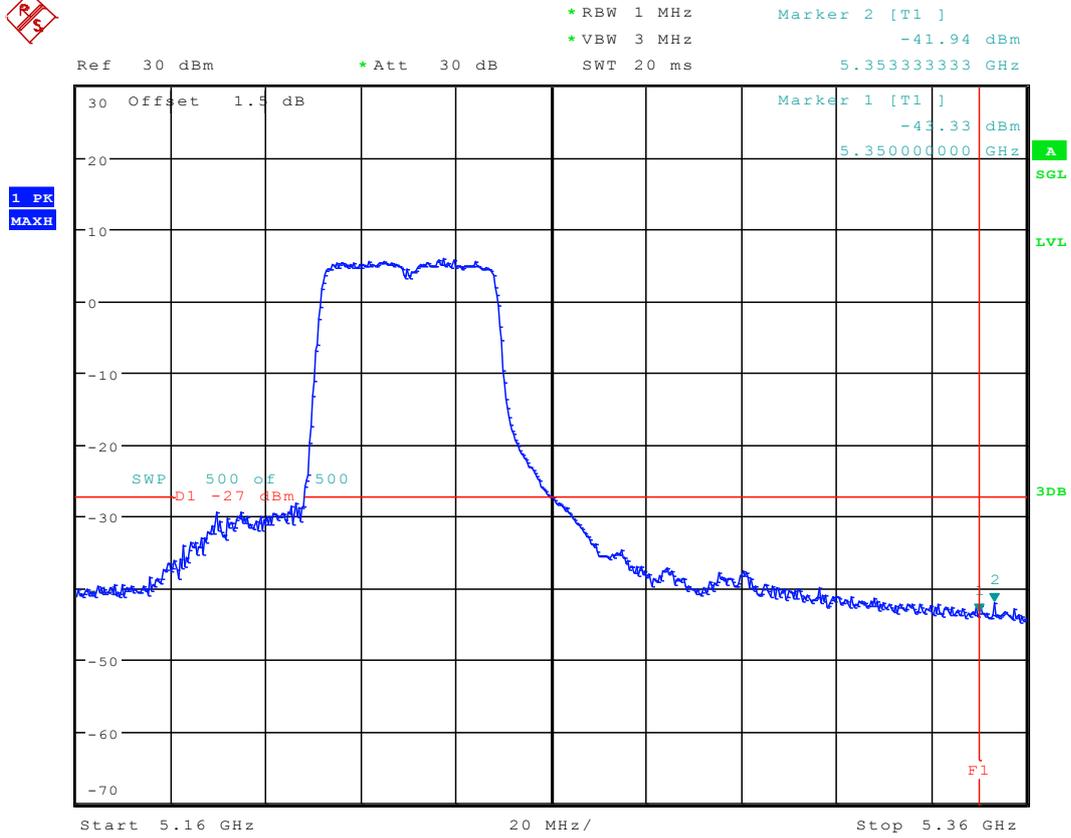
7.132 11AC40M_38 Ant 2
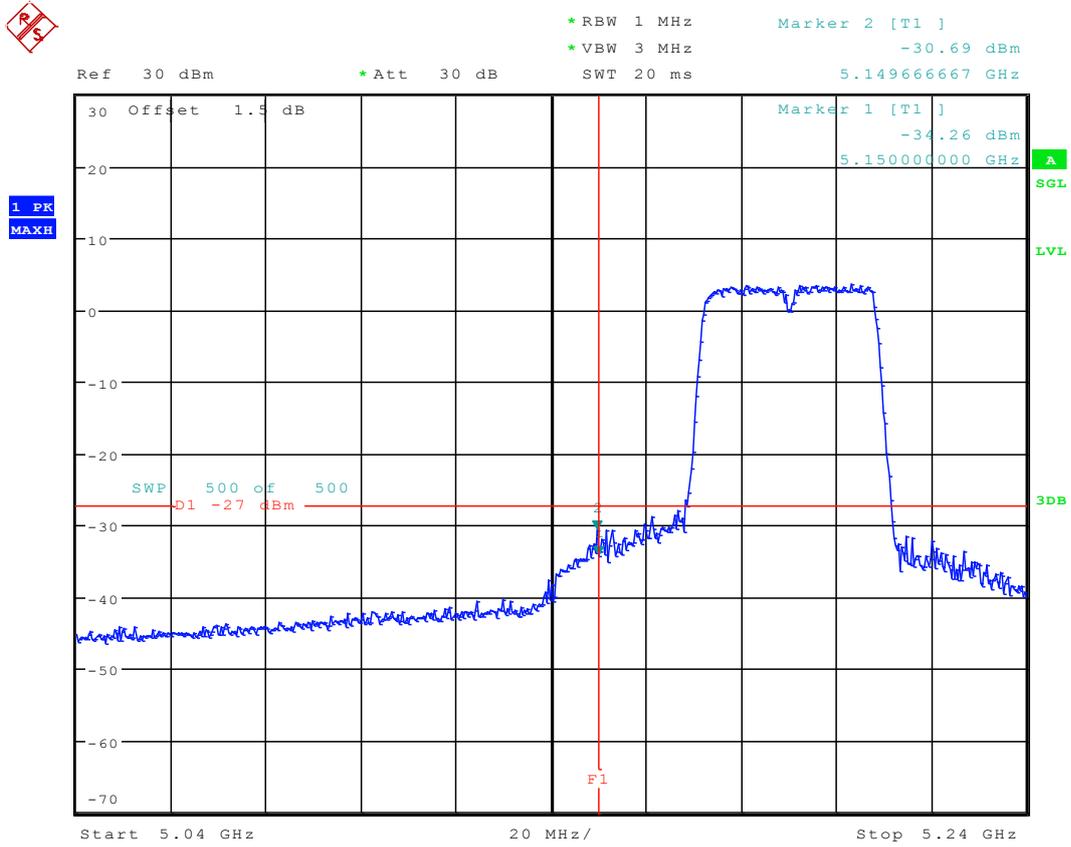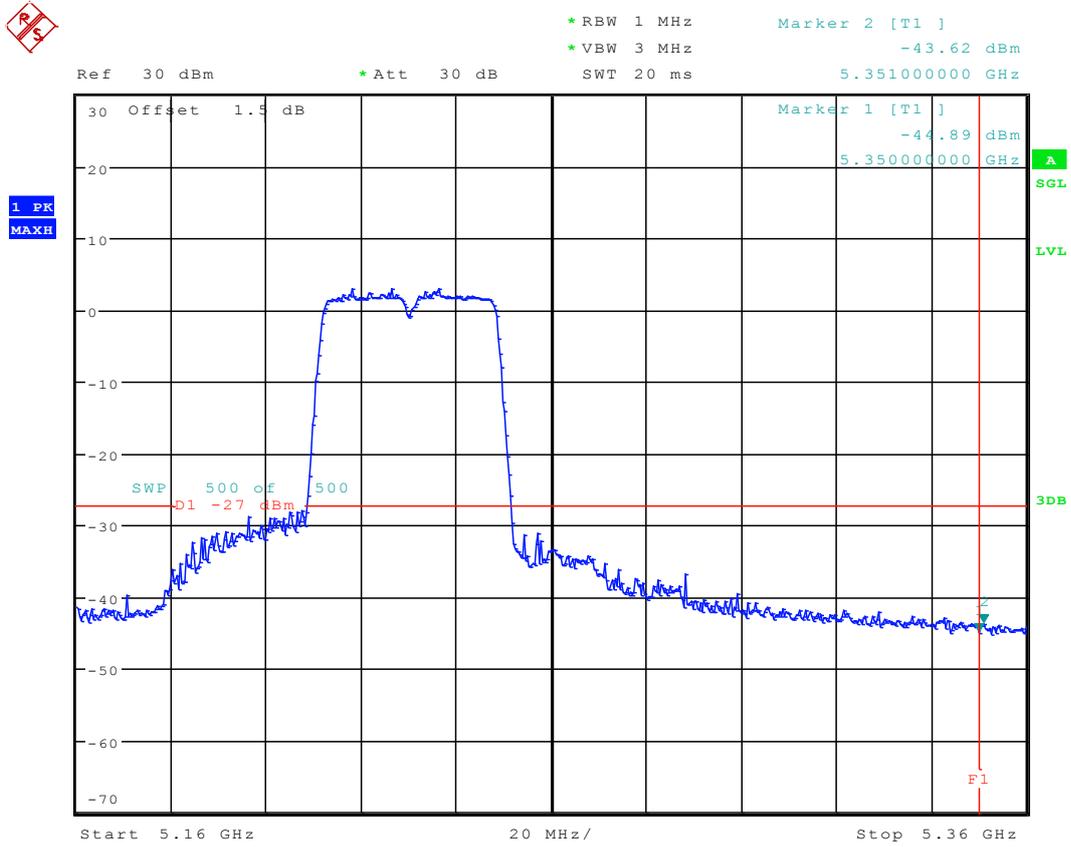

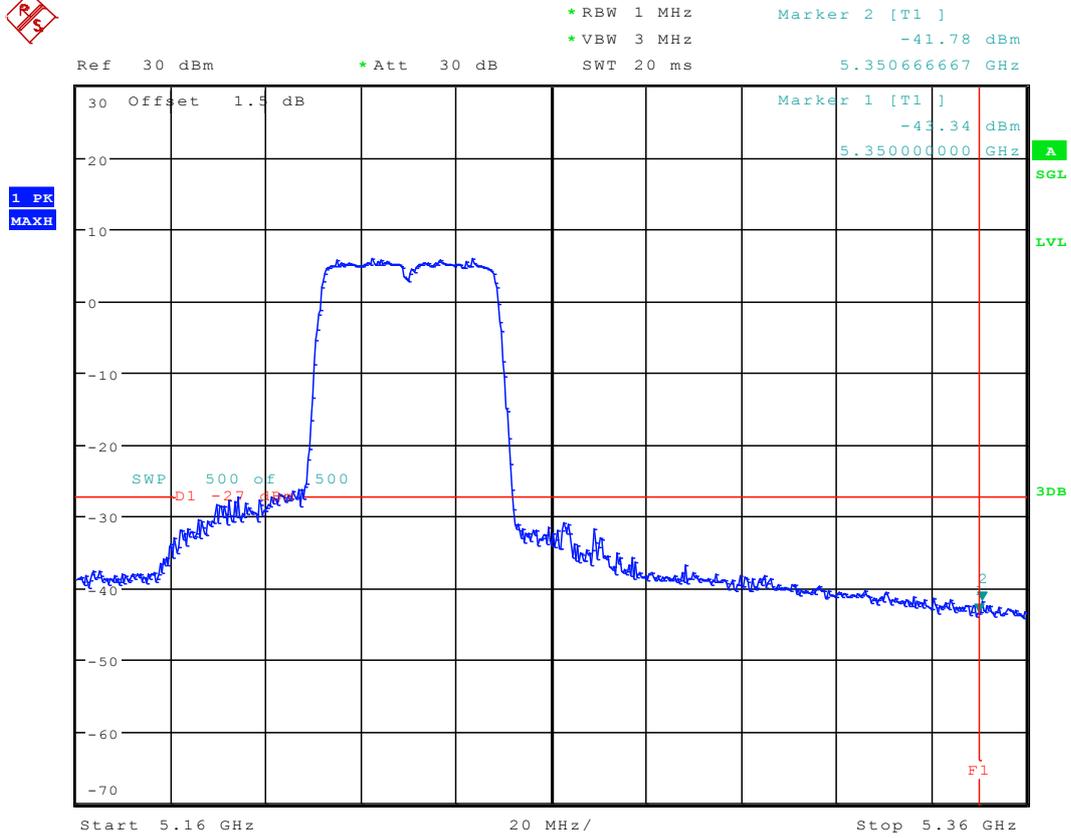Date: 10.DEC.2016 09:59:26

7.133 11AC40_46 Ant 1


```
                                        * RBW  1 MHz      Marker 2 [T1 ]
                                        * VBW  3 MHz                 -41.94 dBm
    Ref  30 dBm          * Att  30 dB    SWT 20 ms        5.353333333 GHz
    30  Offset  1.5  dB                                  Marker 1 [T1 ]
   -20                                                            -43.33 dBm
                                                          5.350000000 GHz    A
                                                                            SGL
   -10
                                                                            LVL
    0

  -10

  -20
    SWP    500 of  500                                                       3DB
   -30  D1 -27 dBm

  -40                                                                   2

  -50

  -60                                                                   F1

  -70
    Start  5.16 GHz                  20 MHz/              Stop  5.36 GHz
```

Date: 30.NOV.2016 18:30:05

7.134 11AC40_46 Ant 2

Date: 3.DEC.2016 16:26:19
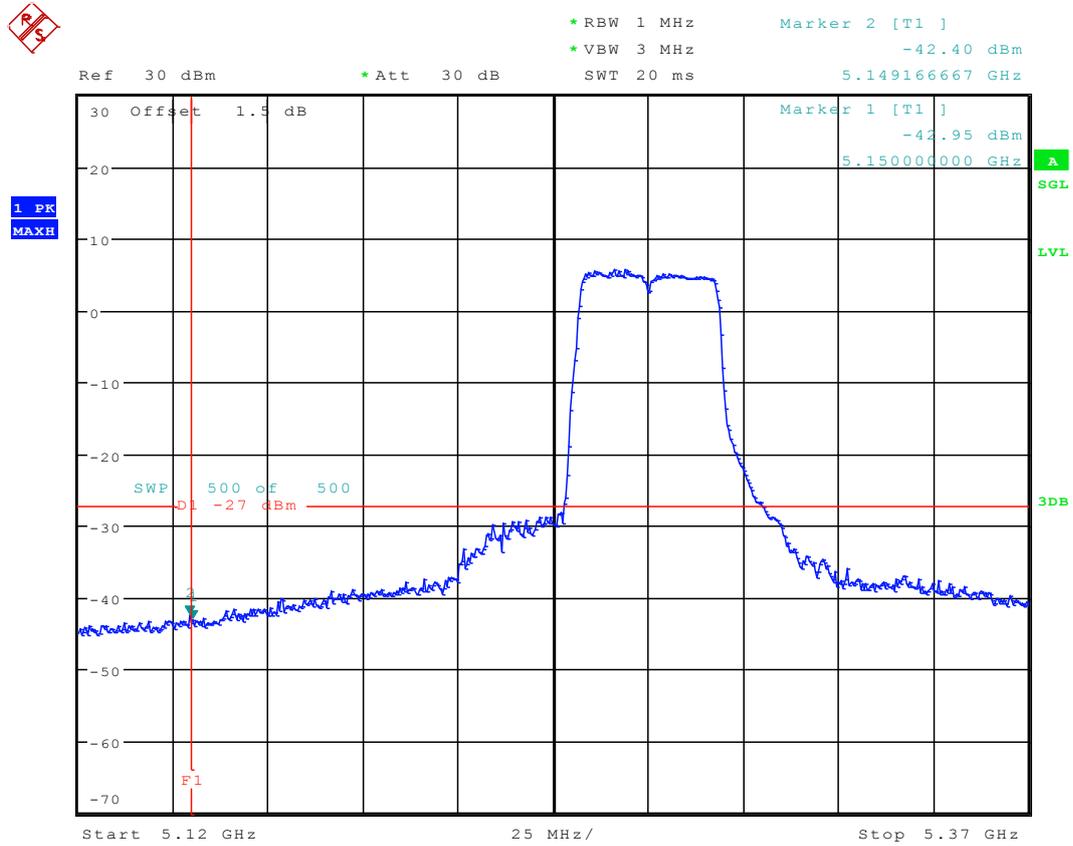
7.135 11AC40M_46 Ant 1

Date: 8.DEC.2016 14:45:07
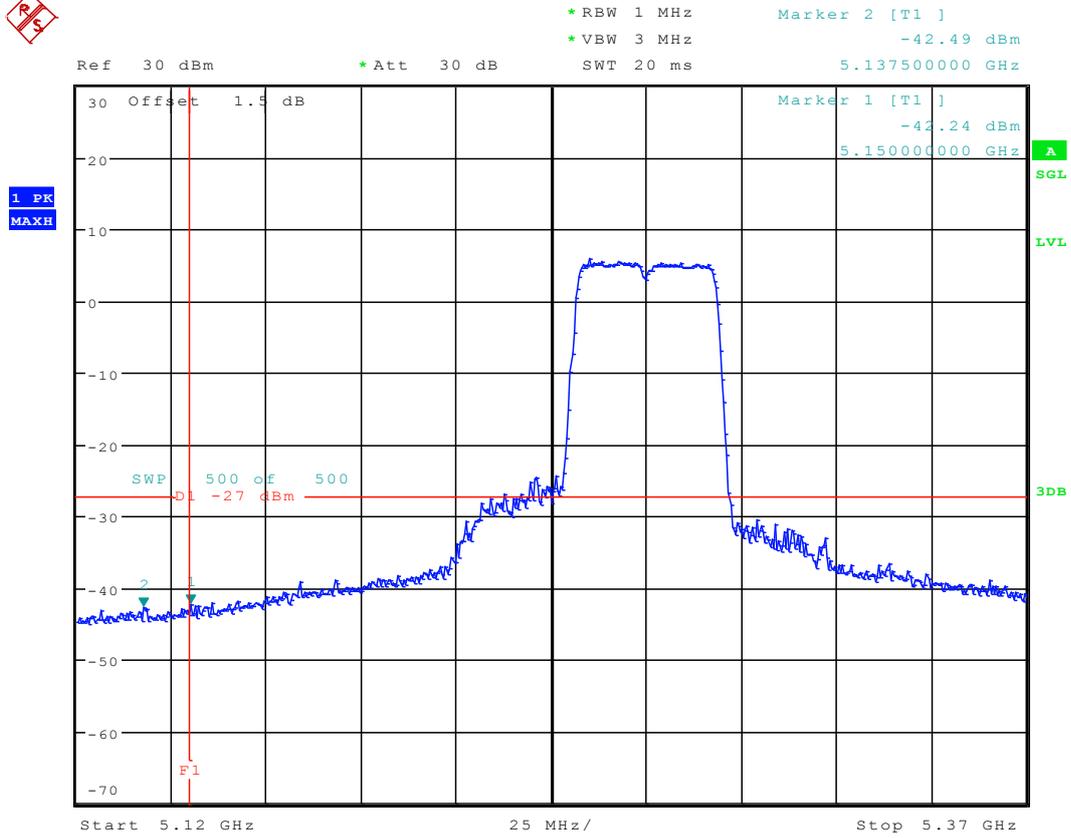
7.136 11AC40M_46 Ant 2
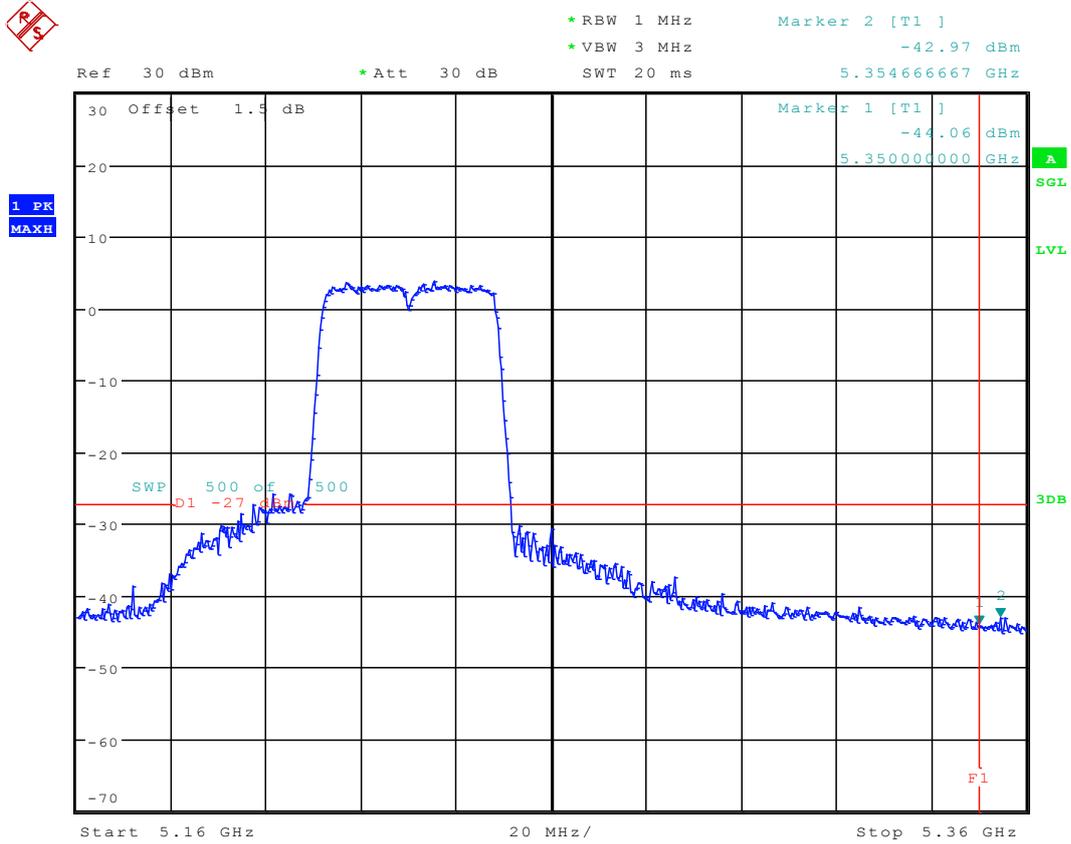
Date: 10.DEC.2016 10:05:03

### 7.137 11AC40_54 Ant 1

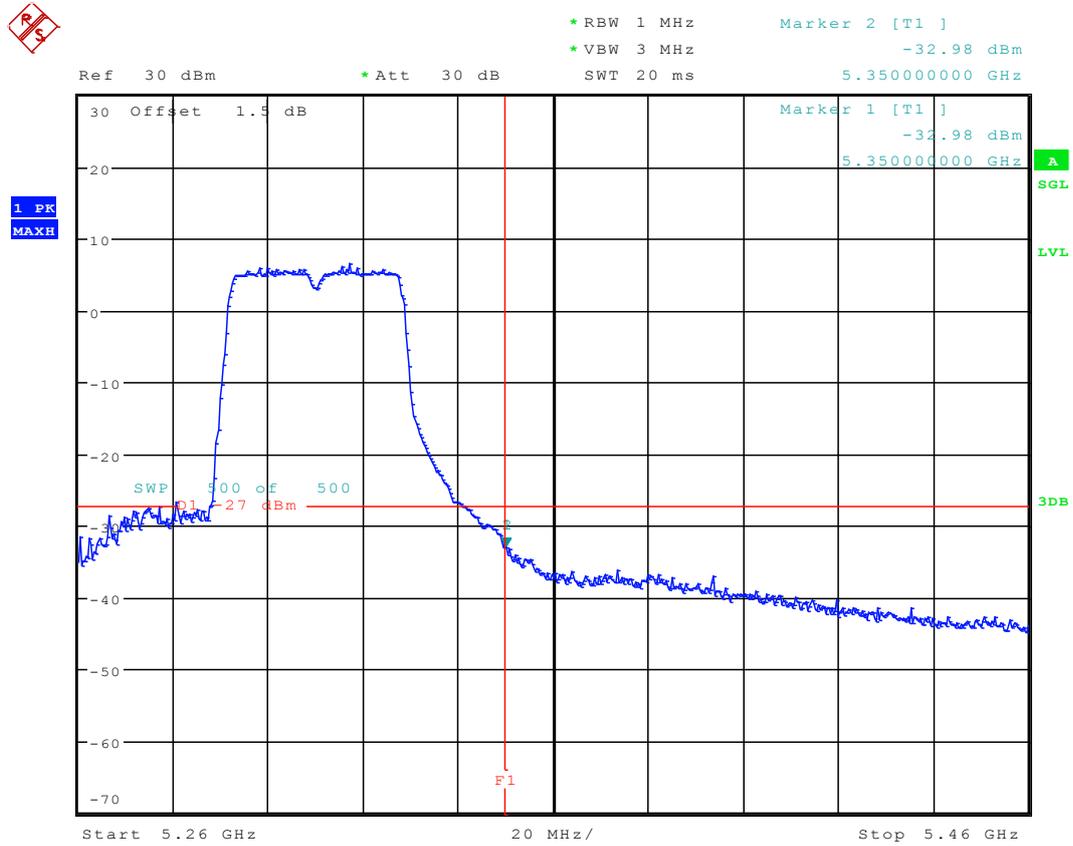Date: 30.NOV.2016 18:35:31

7.138 11AC40_54 Ant 2


```
                                          * RBW  1 MHz          Marker 2 [T1 ]
                                          * VBW  3 MHz                  -43.79 dBm
         Ref   30 dBm           * Att  30 dB    SWT  20 ms      5.120833333 GHz

         30  Offset   1.5  dB                        Marker 1 [T1 ]
                                                            -45.50 dBm
       -20                                          5.150000000 GHz    A
                                                                       SGL
   1 PK
   MAXH -10                                                            LVL

         0

       -10

       -20
         SWP   500 of   500                                            3DB
       -30 D1 -27 dBm

       -40

       -50

       -60

       -70 F1

         Start 5.12 GHz            25 MHz/              Stop 5.37 GHz
```

Date: 3.DEC.2016 16:31:37

7.139 11AC40M_54 Ant 1

Date: 8.DEC.2016 14:50:33

7.140 11AC40M_54 Ant 2
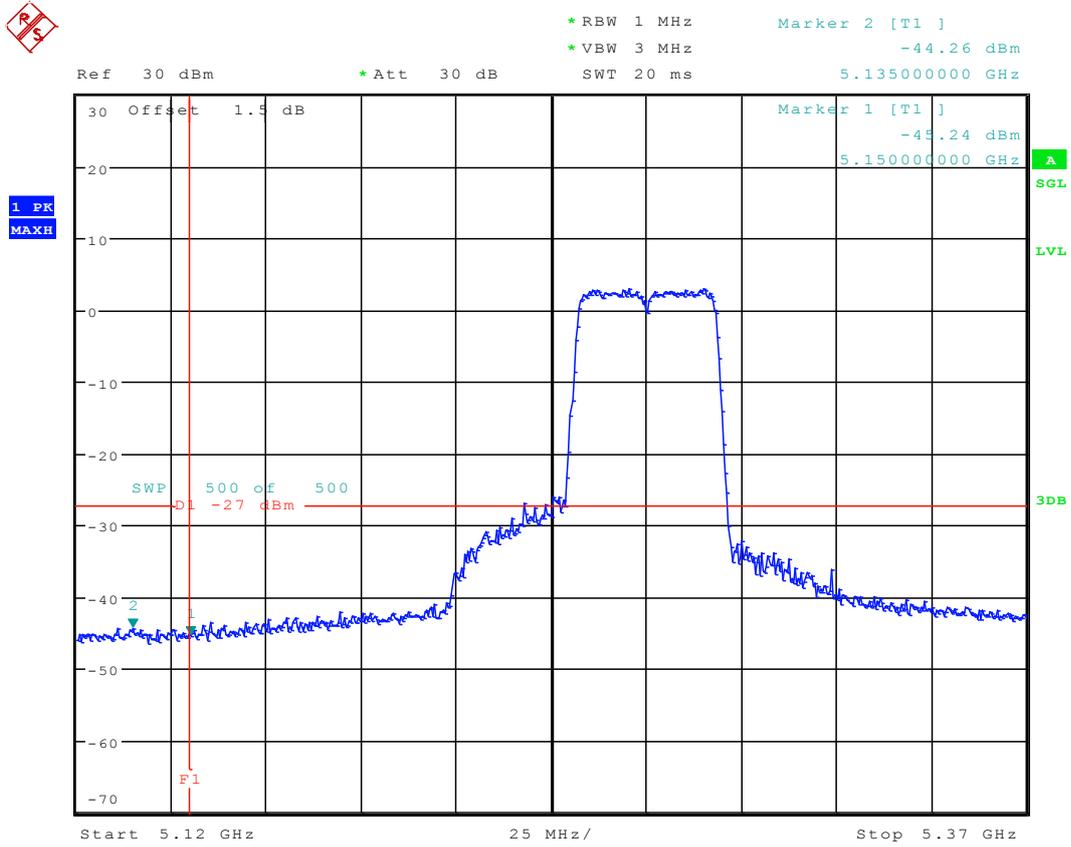
Date: 10.DEC.2016 10:10:27

7.141 11AC40_62 Ant 1
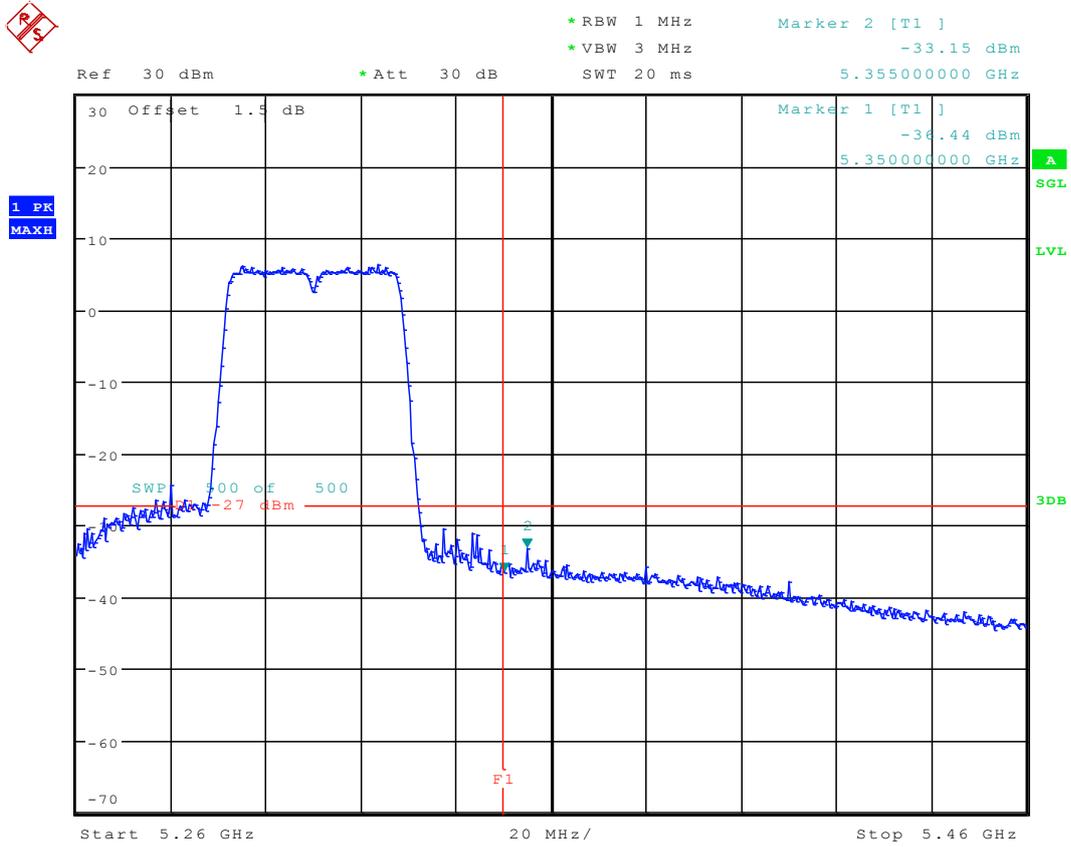

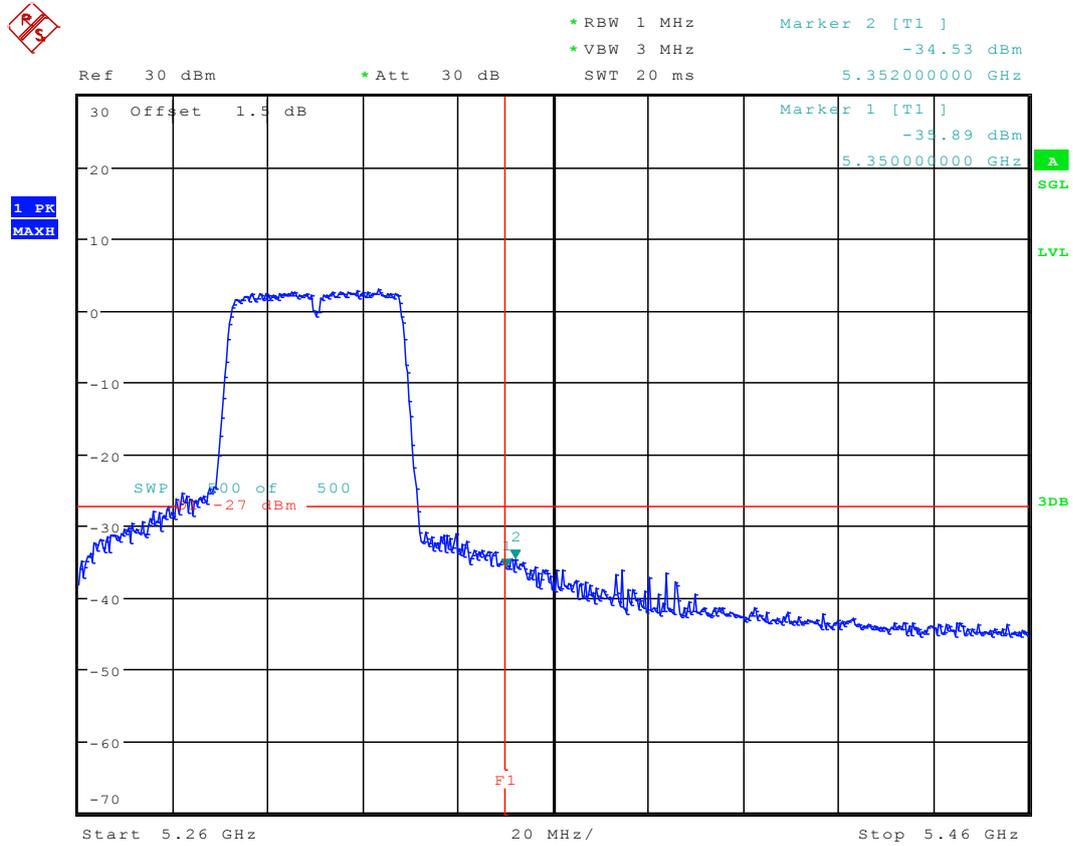Date: 30.NOV.2016 18:40:16

7.142 11AC40_62 Ant 2


```
*RBW  1 MHz           Marker 2 [T1 ]
*VBW  3 MHz                    -34.27 dBm
Ref  30 dBm          *Att  30 dB    SWT 20 ms      5.350000000 GHz

30  Offset  1.5  dB                     Marker 1 [T1 ]
                                               -34.27 dBm
                                        5.350000000 GHz   A
                                                         SGL

                                                         LVL

1 PK
MAXH

                                                         3DB
SWP  500 of  500
D1 -27 dBm

                                              2
                                              F1

Start  5.26 GHz              20 MHz/          Stop  5.46 GHz
```
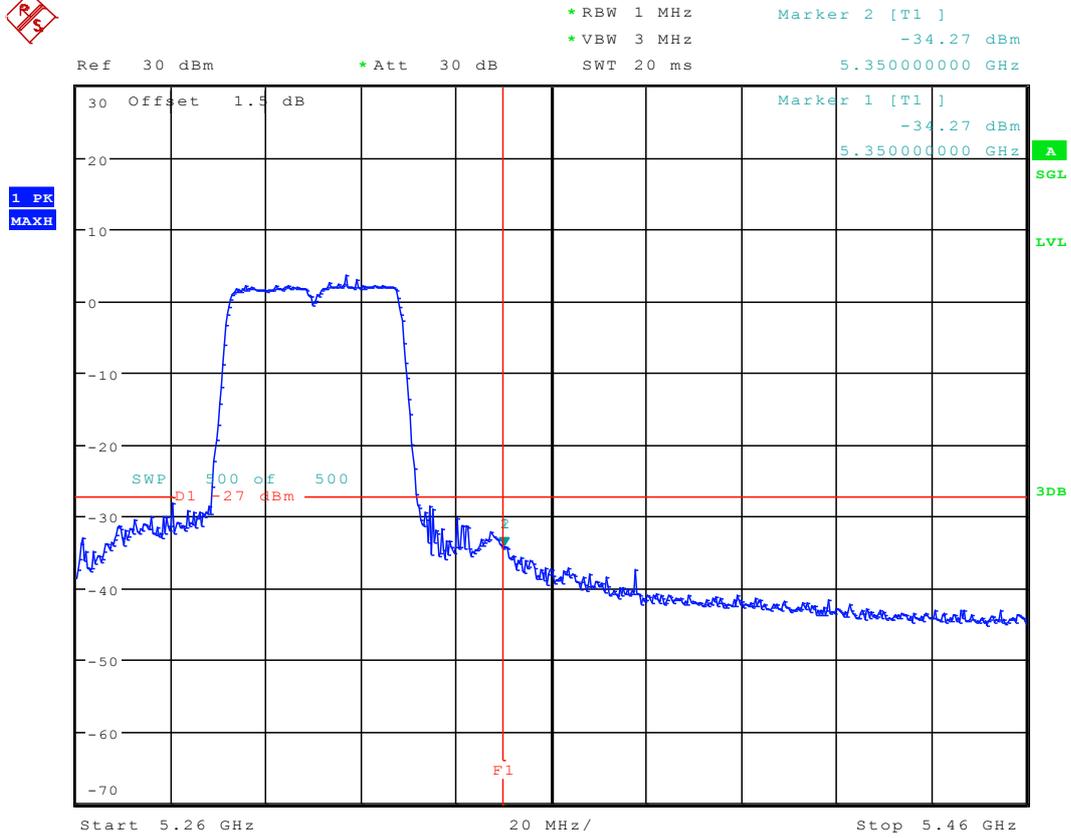
Date: 3.DEC.2016 16:37:31

7.143 11AC40M_62 Ant 1

Date: 8.DEC.2016 14:55:22

7.144 11AC40M_62 Ant 2

Date: 10.DEC.2016 10:16:08

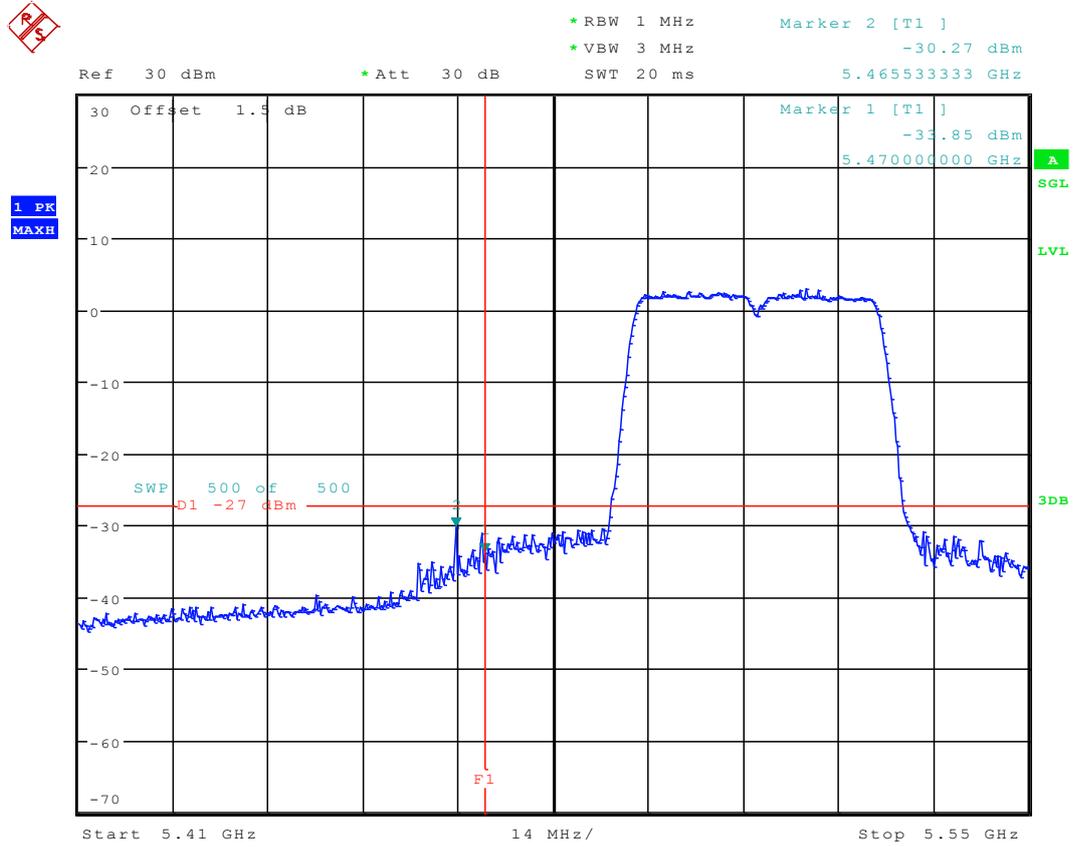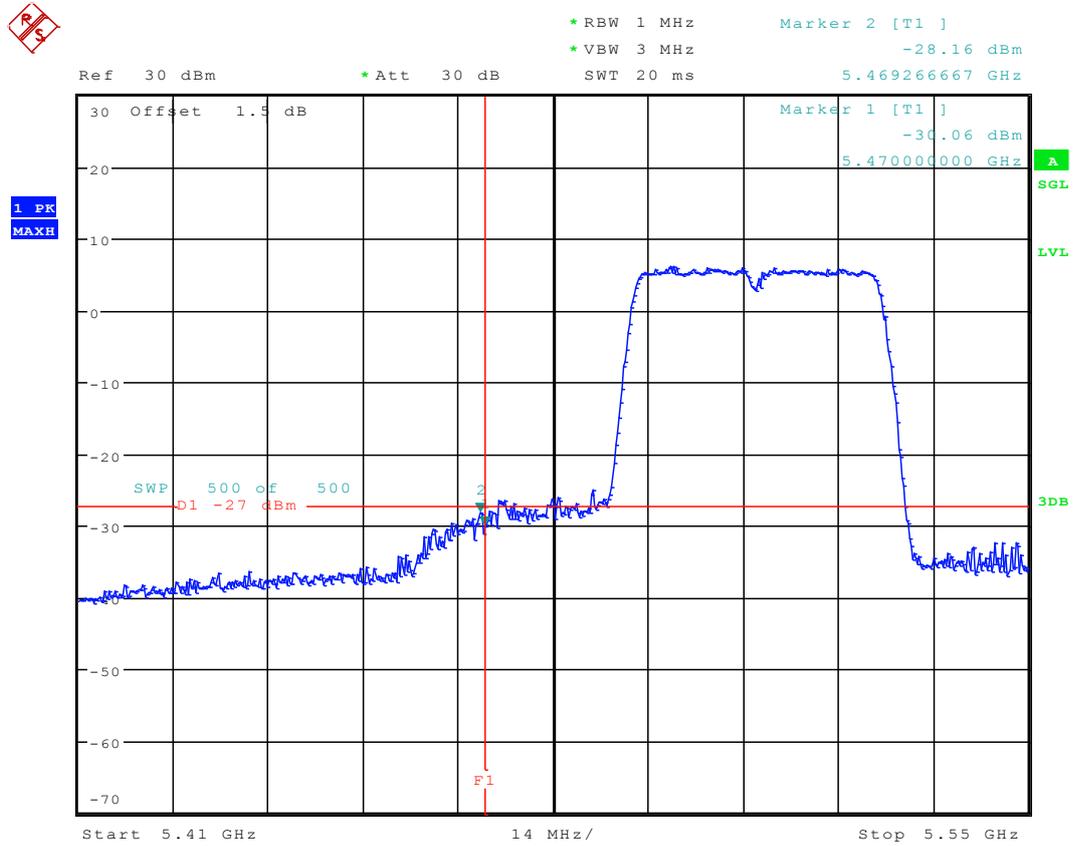### 7.145 11AC40_102 Ant 1
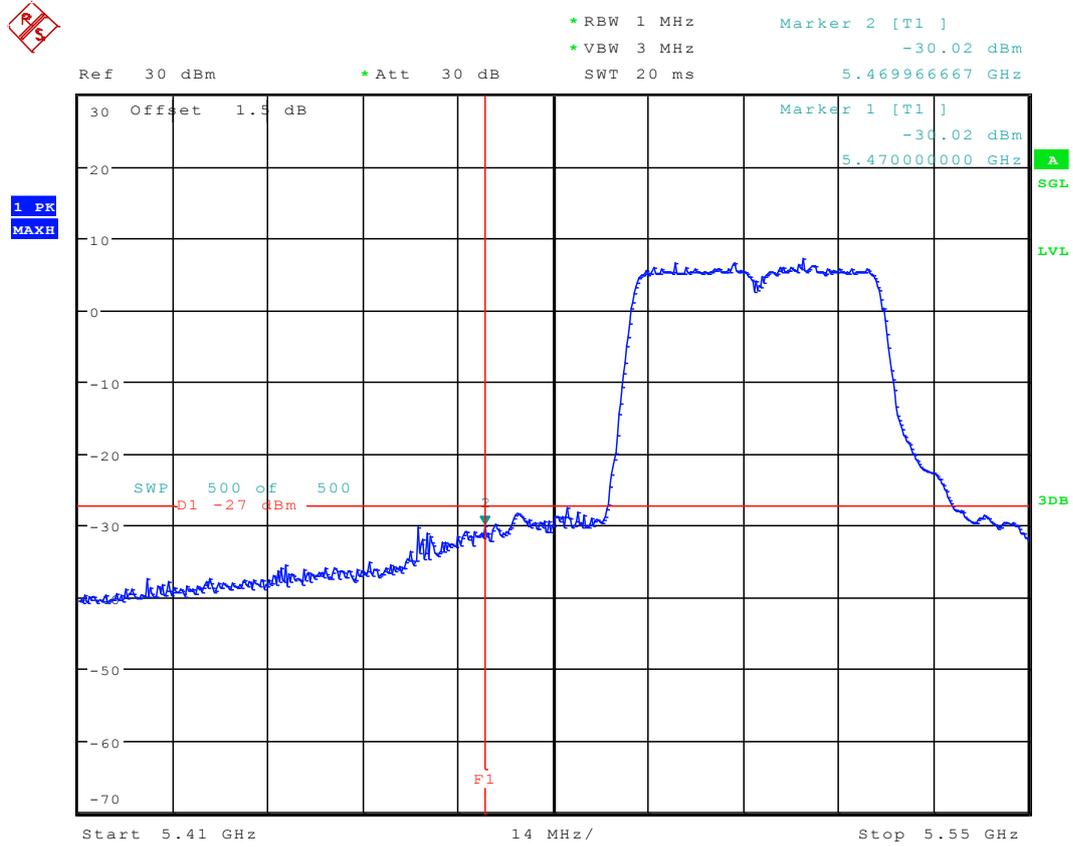
Date: 30.NOV.2016 18:44:30
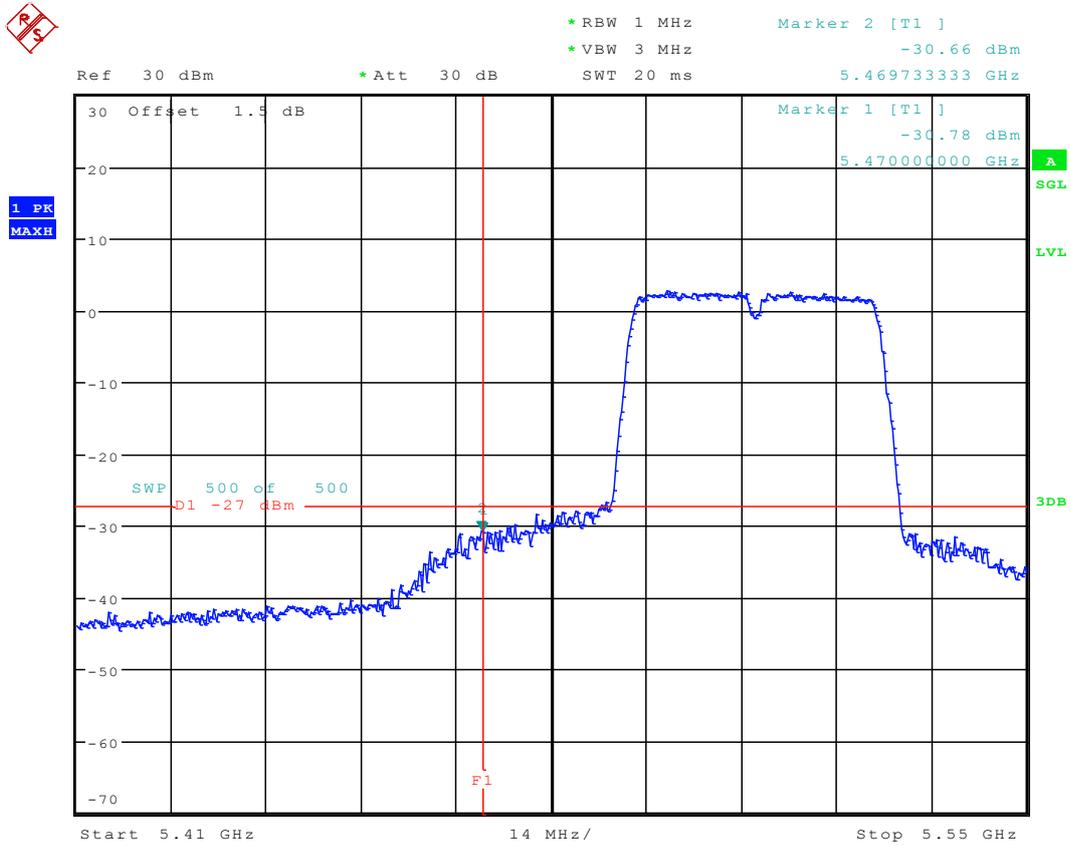
7.146 11AC40_102 Ant 2

Date: 3.DEC.2016 16:42:27

7.147 11AC40M_102 Ant 1


```
                                          * RBW  1 MHz      Marker 2 [T1 ]
                                          * VBW  3 MHz               -28.16 dBm
        Ref   30 dBm          * Att   30 dB      SWT  20 ms     5.469266667 GHz

        30  Offset  1.5 dB                        Marker 1 [T1 ]
                                                           -30.06 dBm
       -20                                          5.470000000 GHz   A
                                                                      SGL
  1 PK
  MAXH -10                                                            LVL

        0

       -10

       -20
        SWP   500 of   500          2                                 3DB
       -D1 -27 dBm
       -30

       -50

       -60
                              F1
       -70
        Start 5.41 GHz              14 MHz/              Stop 5.55 GHz
```

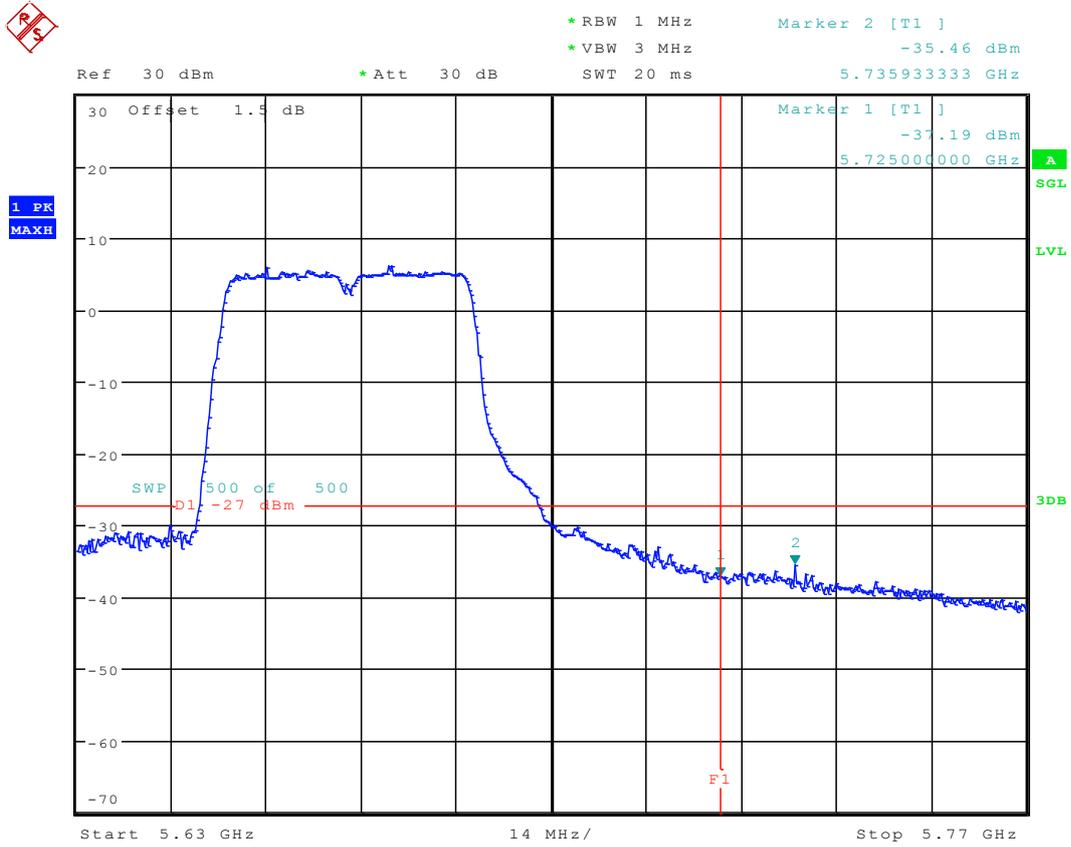Date: 8.DEC.2016 14:58:53

7.148 11AC40M_102 Ant 2

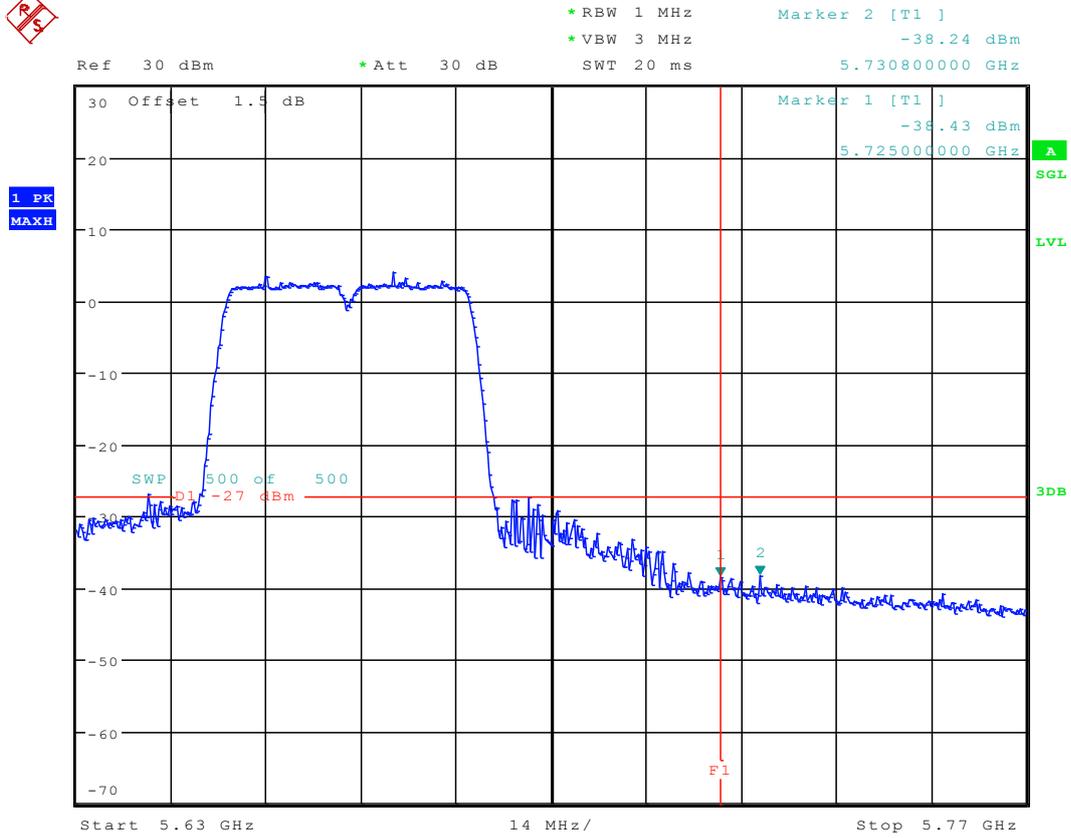Date: 10.DEC.2016 10:26:56

7.149 11AC40_134 Ant 1

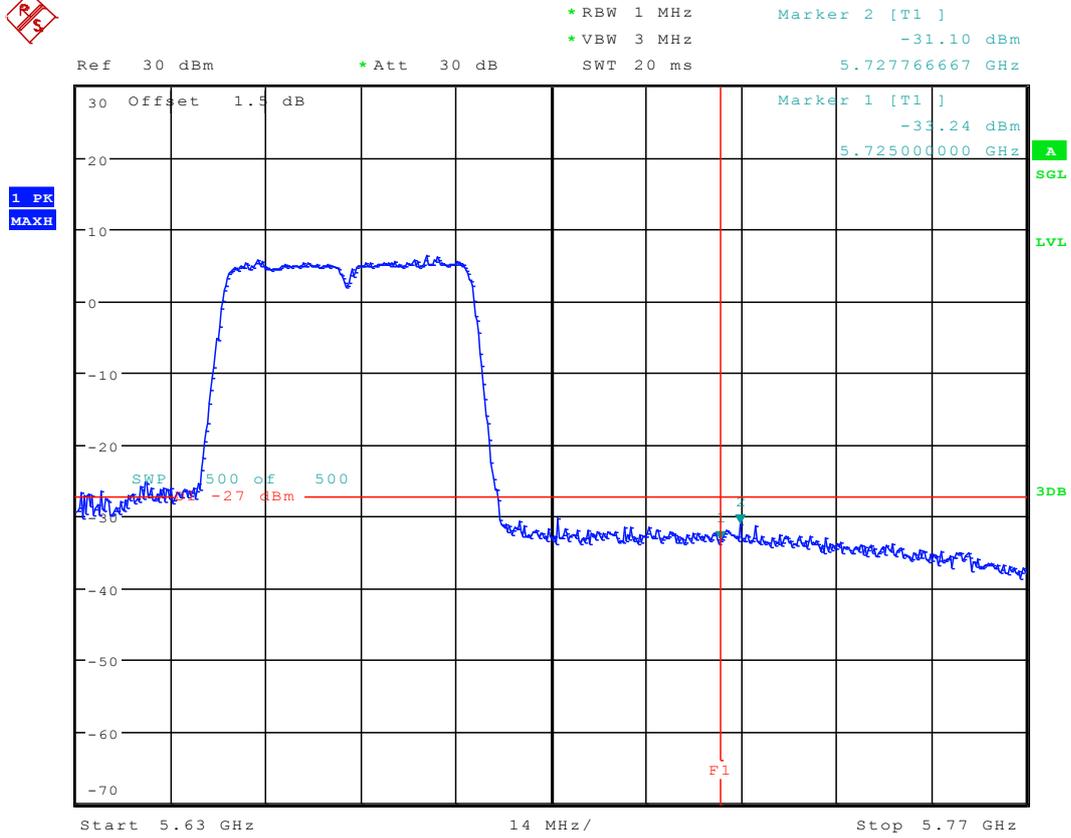Date: 30.NOV.2016 18:48:09
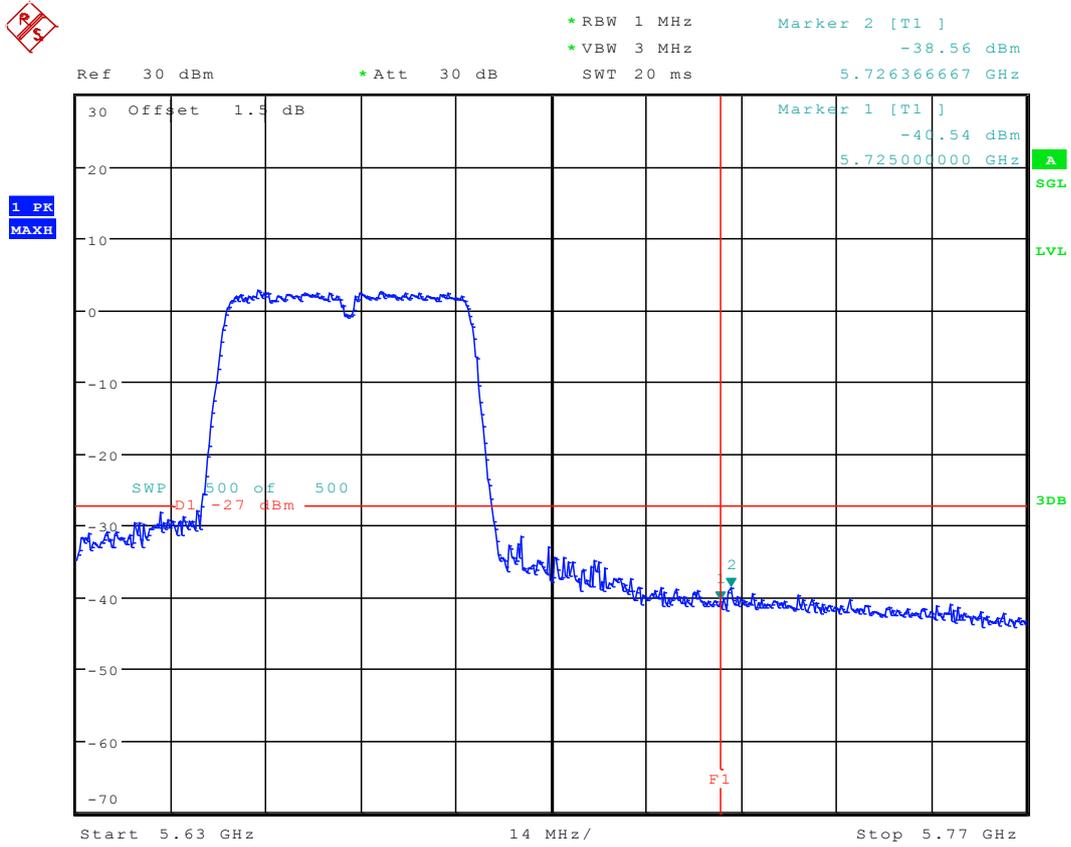
7.150 11AC40_134 Ant 2

Date: 3.DEC.2016 16:45:45

7.151 11AC40M_134 Ant 1
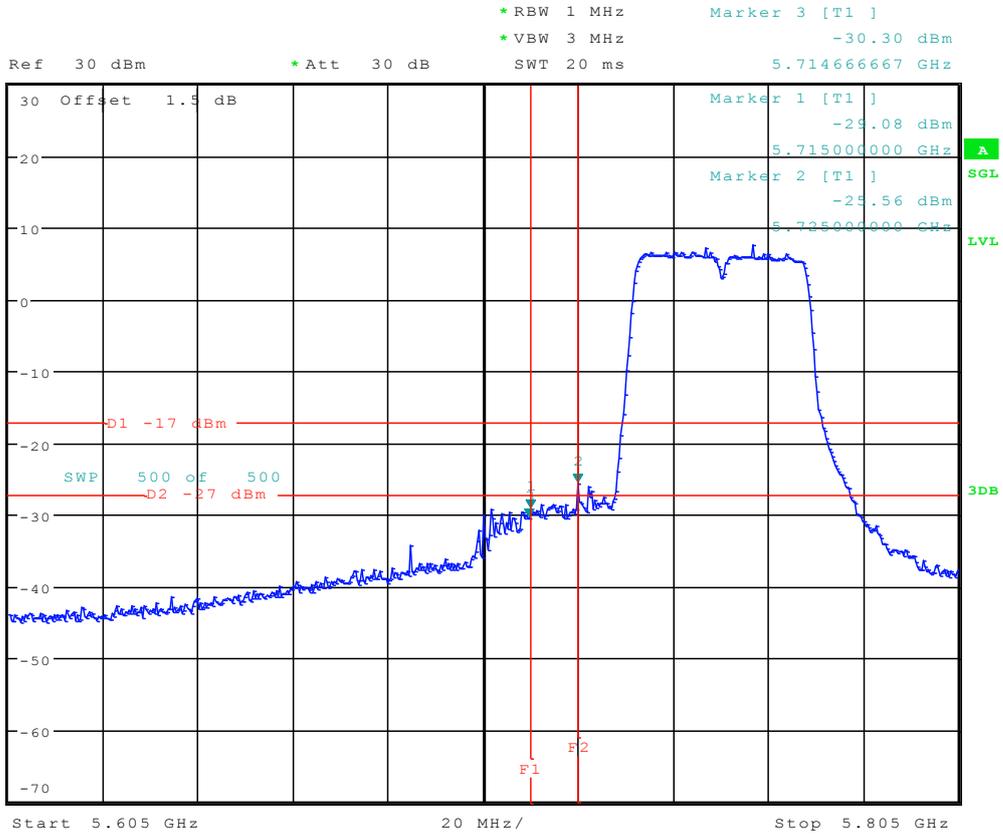

Date: 8.DEC.2016 15:02:26

7.152 11AC40M_134 Ant 2

Date: 10.DEC.2016 10:30:54

7.153 11AC40_151 Ant 1

*RBW 1 MHz	Marker 3 [T1]
*VBW 3 MHz	-30.30 dBm
Ref 30 dBm *Att 30 dB SWT 20 ms	5.714666667 GHz

30 Offset 1.5 dB

Marker 1 [T1]
-29.08 dBm
5.715000000 GHz

Marker 2 [T1]
-25.56 dBm
5.725000000 GHz

1 PK
MAXH

D1 -17 dBm

SWP 500 of 500
D2 -27 dBm

3DB

A
SGL
LVL

F1   F2

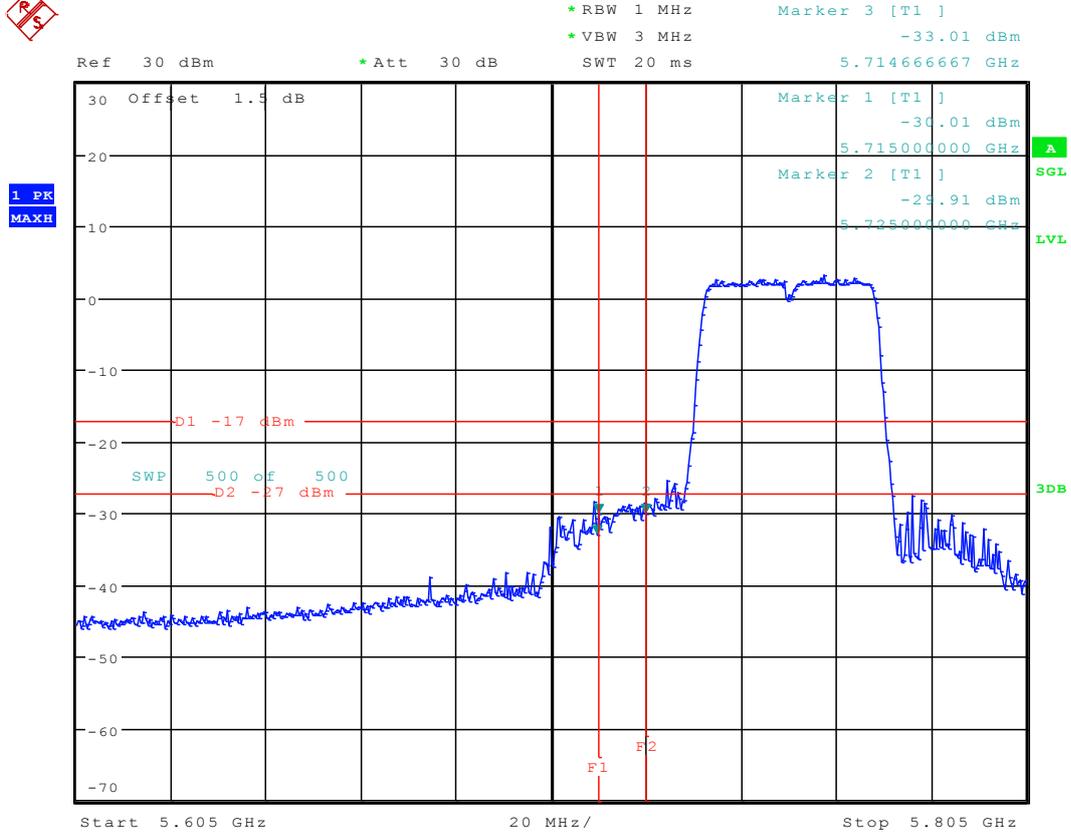Start 5.605 GHz   20 MHz/   Stop 5.805 GHz
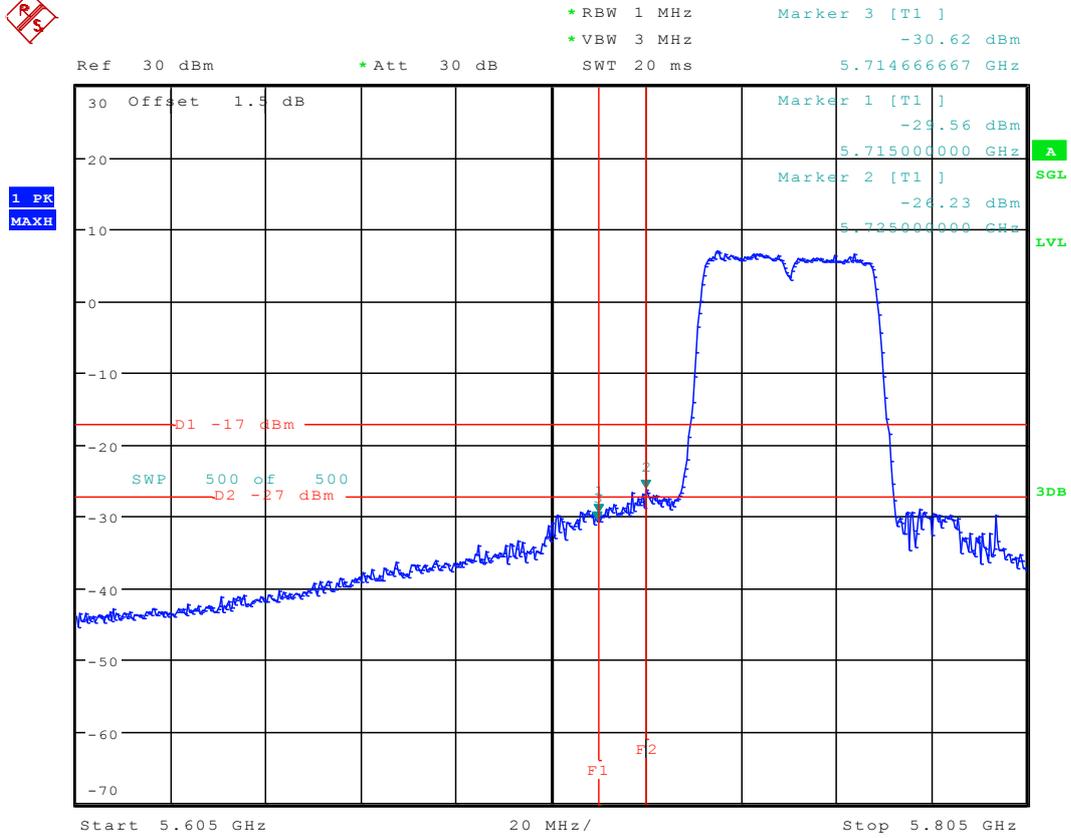
Date: 30.NOV.2016 18:53:48

7.154 11AC40_151 Ant 2

Date: 3.DEC.2016 16:55:34

7.155 11AC40M_151 Ant 1

Date: 8.DEC.2016 15:08:21

7.156 11AC40M_151 Ant 2


```
                                        * RBW  1 MHz        Marker 3 [T1 ]
                                        * VBW  3 MHz                   -31.12 dBm
    Ref  30 dBm          * Att  30 dB   SWT 20 ms          5.714666667 GHz

    30  Offset  1.5 dB                                      Marker 1 [T1 ]
                                                                      -30.60 dBm
    20                                                      5.715000000 GHz    A
1 PK                                                         Marker 2 [T1 ]          SGL
MAXH                                                                  -28.18 dBm
    10                                                      5.725000000 GHz    LVL

     0

   -10
                  D1 -17 dBm
   -20
                  SWP   500 of   500                                           3DB
                  D2 -27 dBm
   -30

   -40

   -50

   -60                                      F2
   -70                              F1

    Start  5.605 GHz          20 MHz/              Stop  5.805 GHz
```
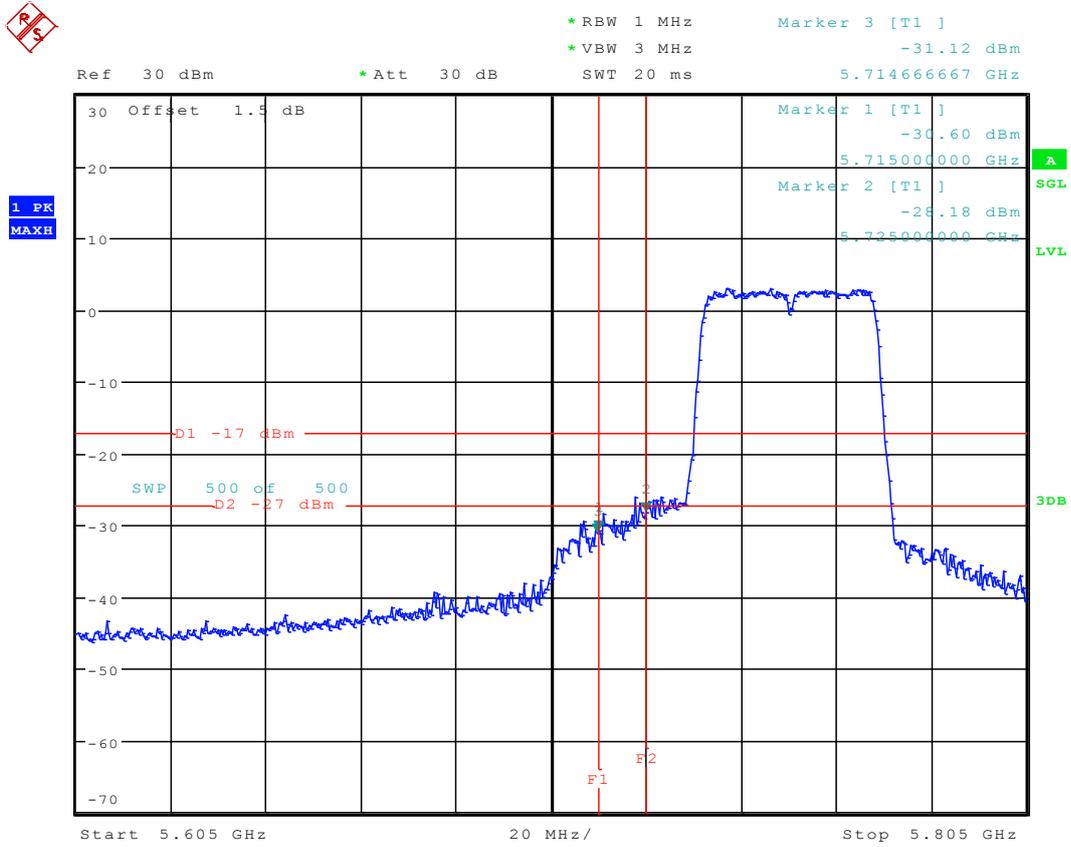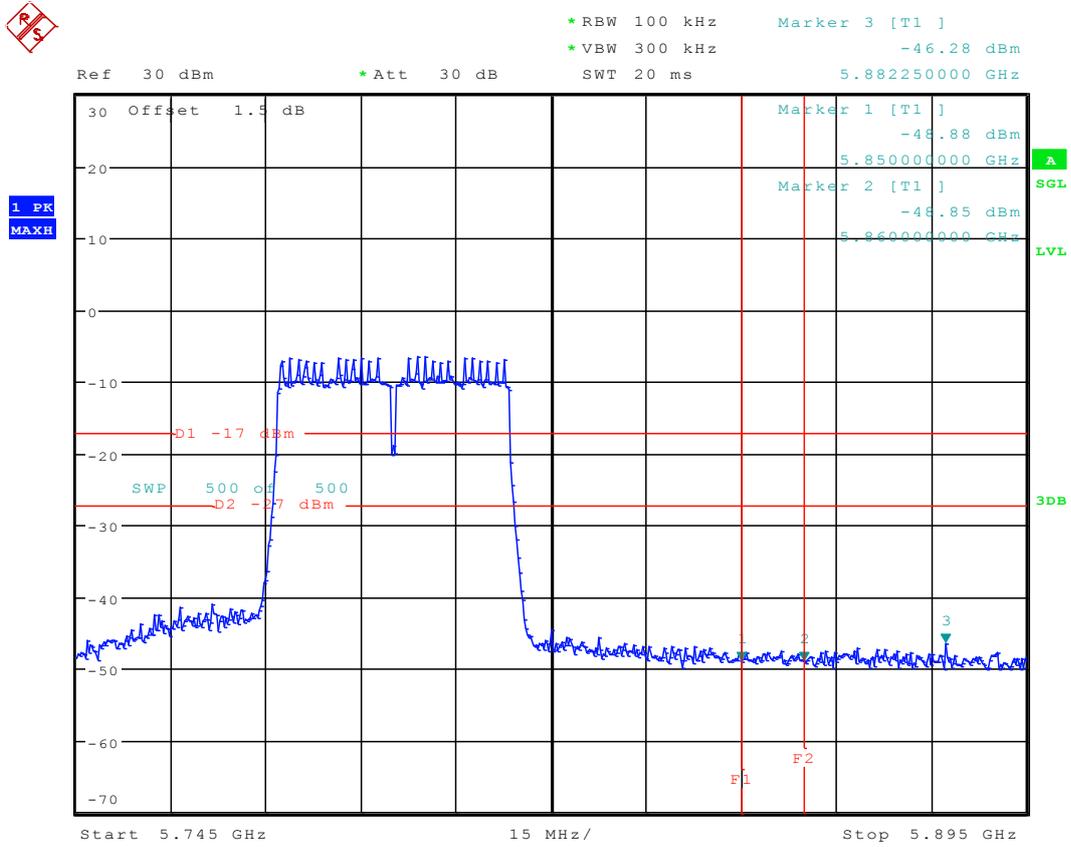
Date: 10.DEC.2016 10:36:34

7.157 11AC40_159 Ant 1
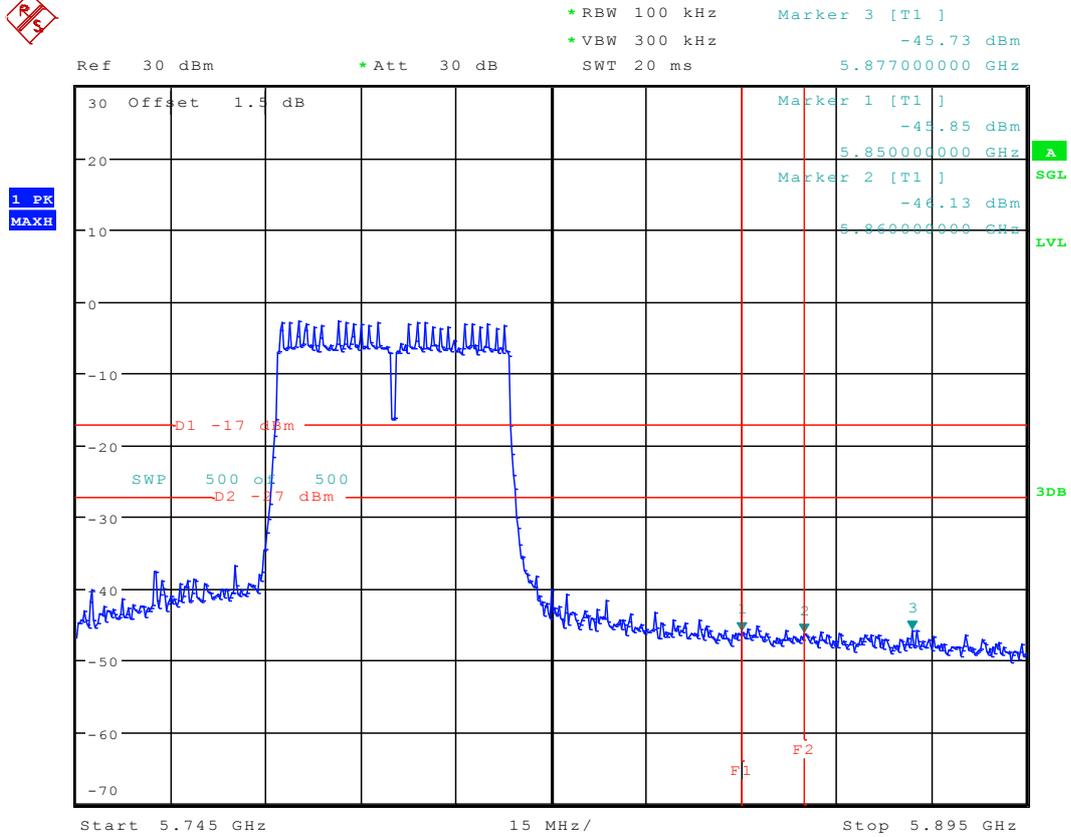
Date: 30.NOV.2016 18:57:36

7.158 11AC40_159 Ant 2

Date: 3.DEC.2016 17:00:09

7.159 11AC40M_159 Ant 1
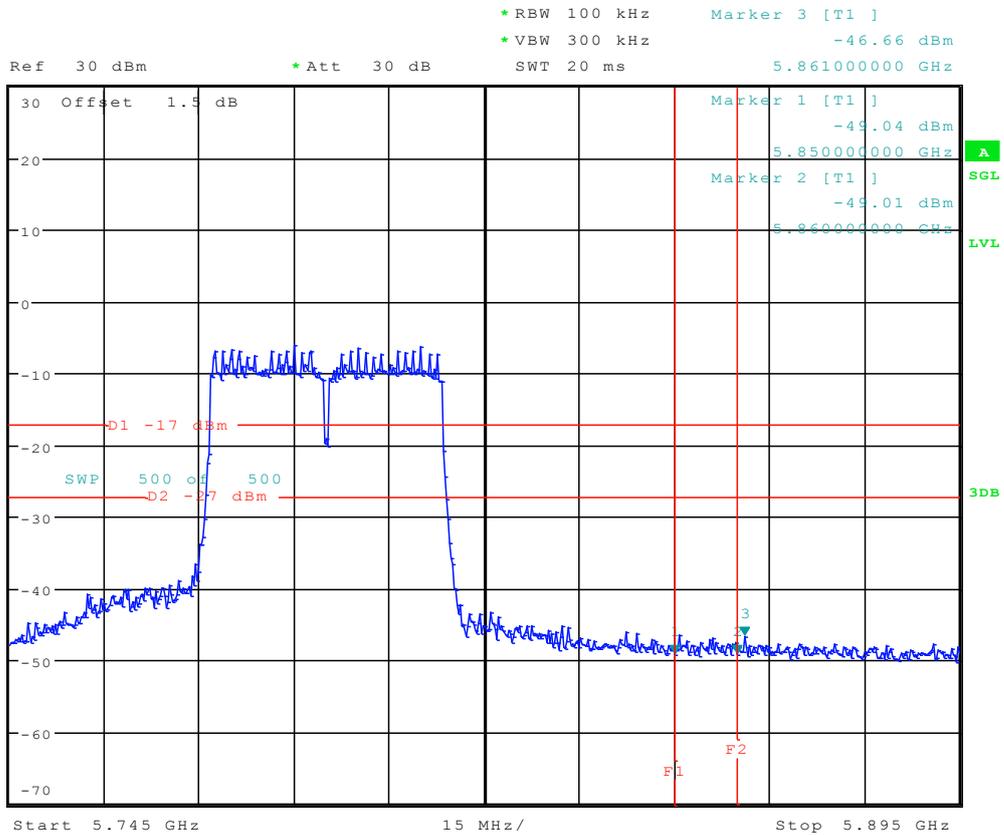


```
                                              *RBW 100 kHz      Marker 3 [T1 ]
                                              *VBW 300 kHz              -42.60 dBm
        Ref  30 dBm              *Att 30 dB    SWT 20 ms           5.861250000 GHz

        30  Offset  1.5 dB                                 Marker 1 [T1 ]
                                                                  -44.84 dBm      A
        20                                                  5.850000000 GHz      SGL
                                                          Marker 2 [T1 ]
        10                                                        -44.87 dBm
                                                            5.860000000 GHz      LVL
         0
       -10
  D1 -17 dBm                                                                      3DB
       -20
   SWP   500 of   500
  D2 -17 dBm
       -30

       -40
       -50
       -60                                               F2
       -70                                         F1

        Start 5.745 GHz            15 MHz/              Stop 5.895 GHz
```
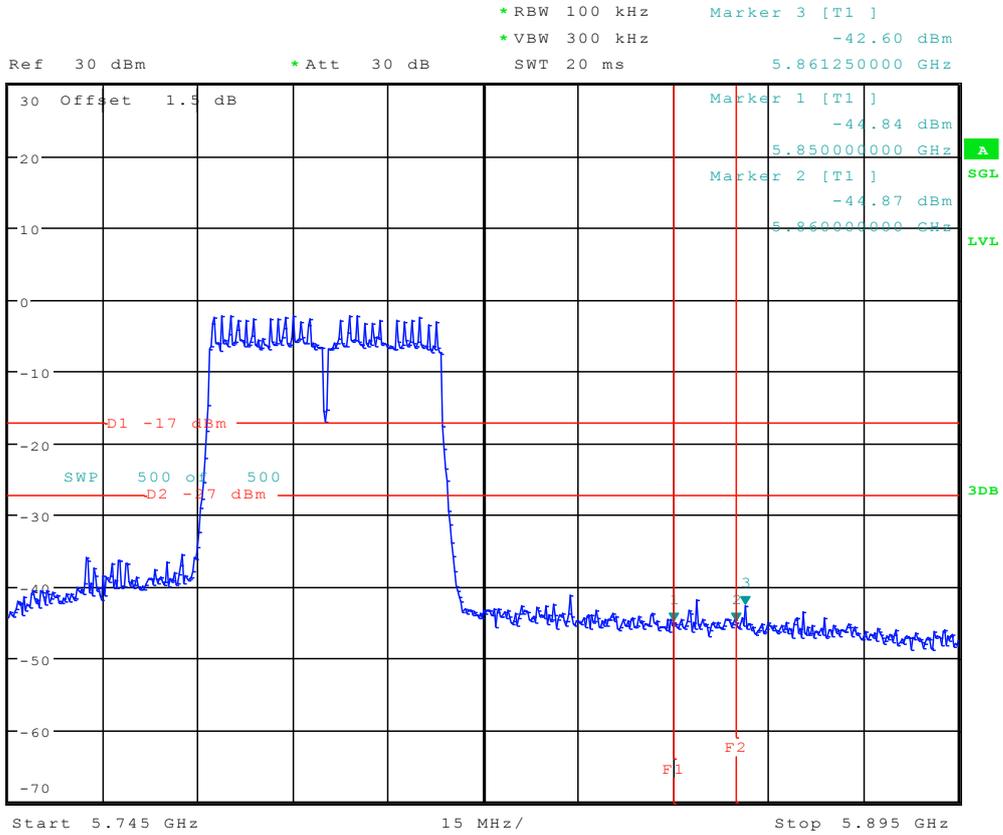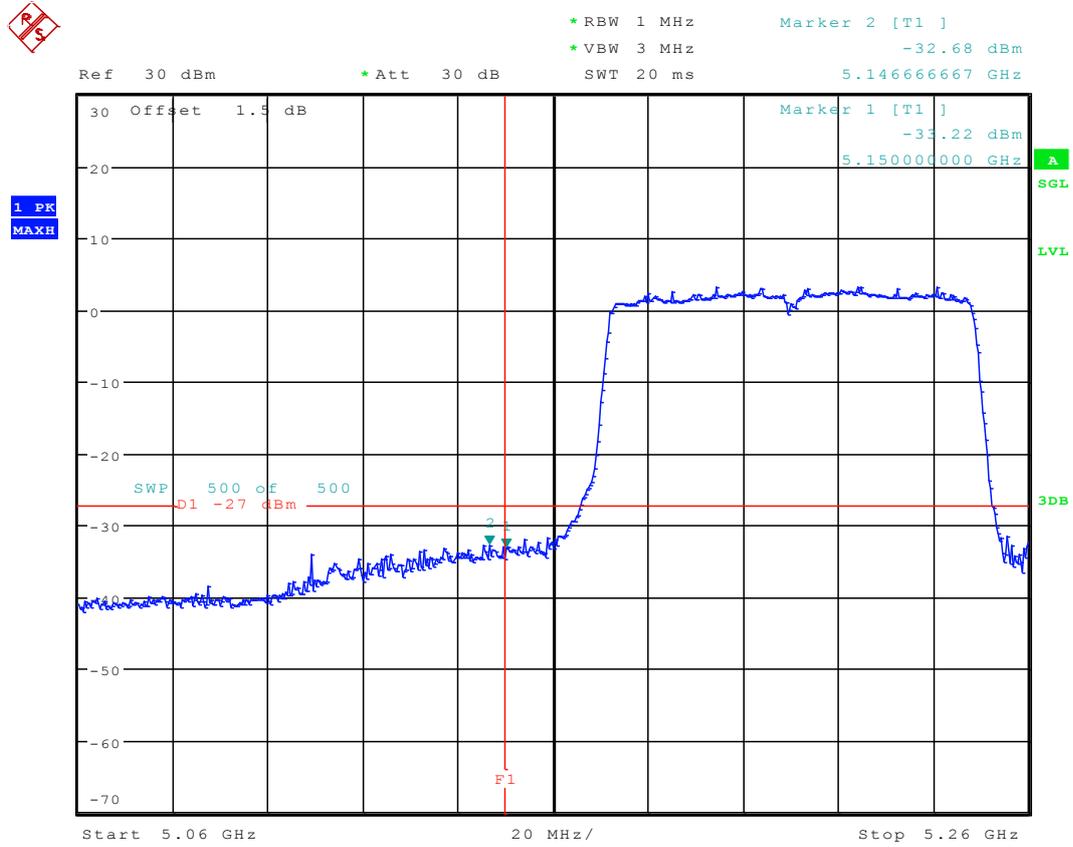
Date: 8.DEC.2016 15:12:34

7.160 11AC40M_159 Ant 2


```
                                    *RBW  100 kHz      Marker 3 [T1 ]
                                    *VBW  300 kHz              -46.66 dBm
      Ref  30 dBm        *Att  30 dB   SWT 20 ms        5.861000000 GHz
      30  Offset  1.5 dB                          Marker 1 [T1 ]
                                                         -49.04 dBm
    20                                               5.850000000 GHz    A
                                                 Marker 2 [T1 ]         SGL
    10                                                   -49.01 dBm
                                                 5.860000000 GHz        LVL
     0
   -10
   D1 -17 dBm
   -20
      SWP  500 of  500
   D2 -27 dBm                                                           3DB
   -30
   -40
                                                          3
   -50
   -60                                              F2
   -70                                         F1

   Start 5.745 GHz          15 MHz/           Stop 5.895 GHz
```

Date: 10.DEC.2016 10:41:08

7.161 11AC80_42 Ant 1

Date: 30.NOV.2016 19:07:19

7.162 11AC80_42 Ant 2


```
                                      * RBW  1 MHz      Marker 2 [T1 ]
                                      * VBW  3 MHz                -34.15 dBm
        Ref   30 dBm        * Att  30 dB    SWT 20 ms    5.147666667 GHz

         30  Offset   1.5  dB                            Marker 1 [T1 ]
                                                                 -35.62 dBm
       -20                                               5.150000000 GHz   A
                                                                            SGL
  1 PK
  MAXH -10                                                                  LVL

         0

       -10

       -20
         SWP   500 of   500                                                 3DB
         D1 -27 dBm
       -30                                2 1

       -40

       -50

       -60
                                         F1
       -70

       Start 5.06 GHz          20 MHz/              Stop 5.26 GHz
```
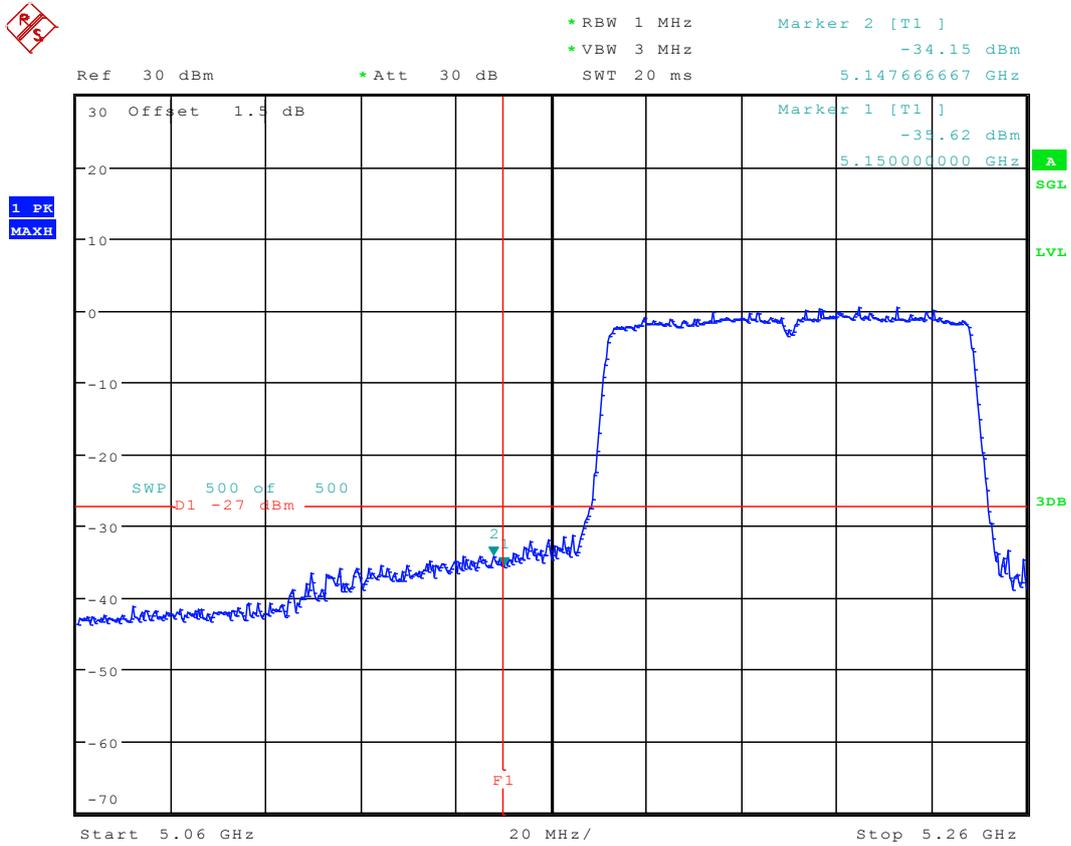
Date: 3.DEC.2016 17:17:51

7.163 11AC80M_42 Ant 1
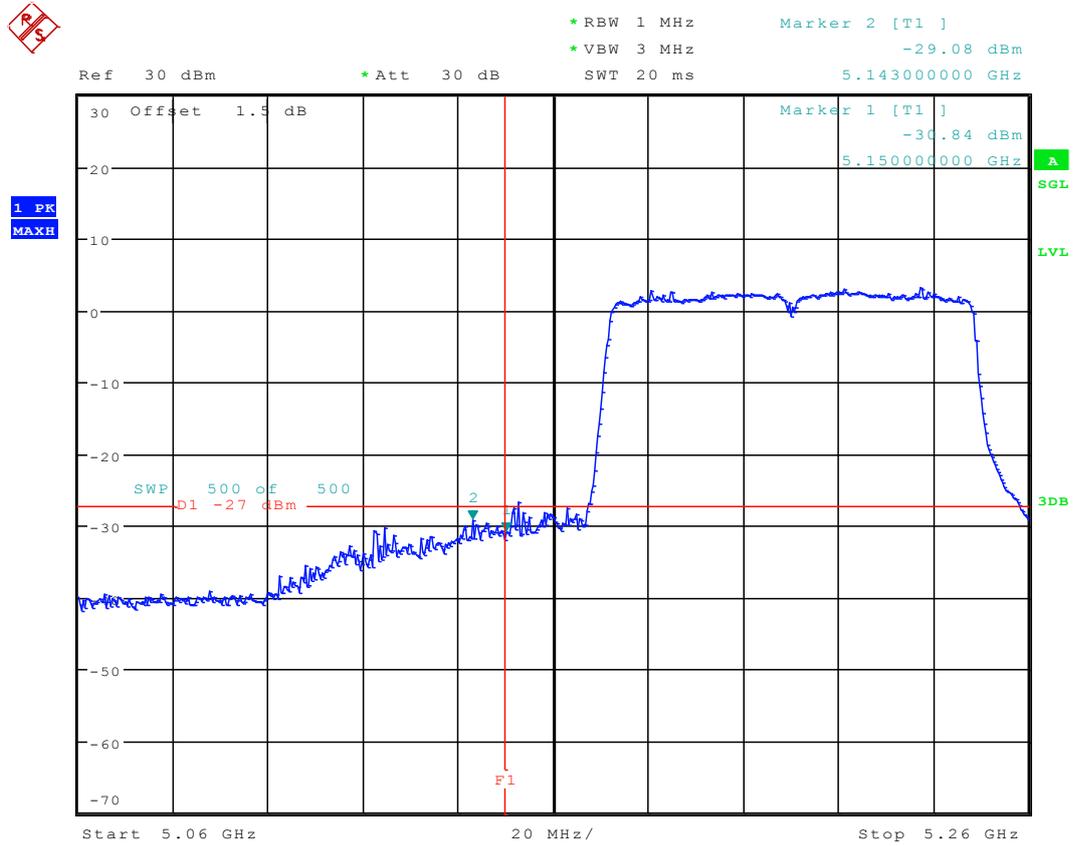
Date: 8.DEC.2016 15:22:22

7.164 11AC80M_42 Ant 2
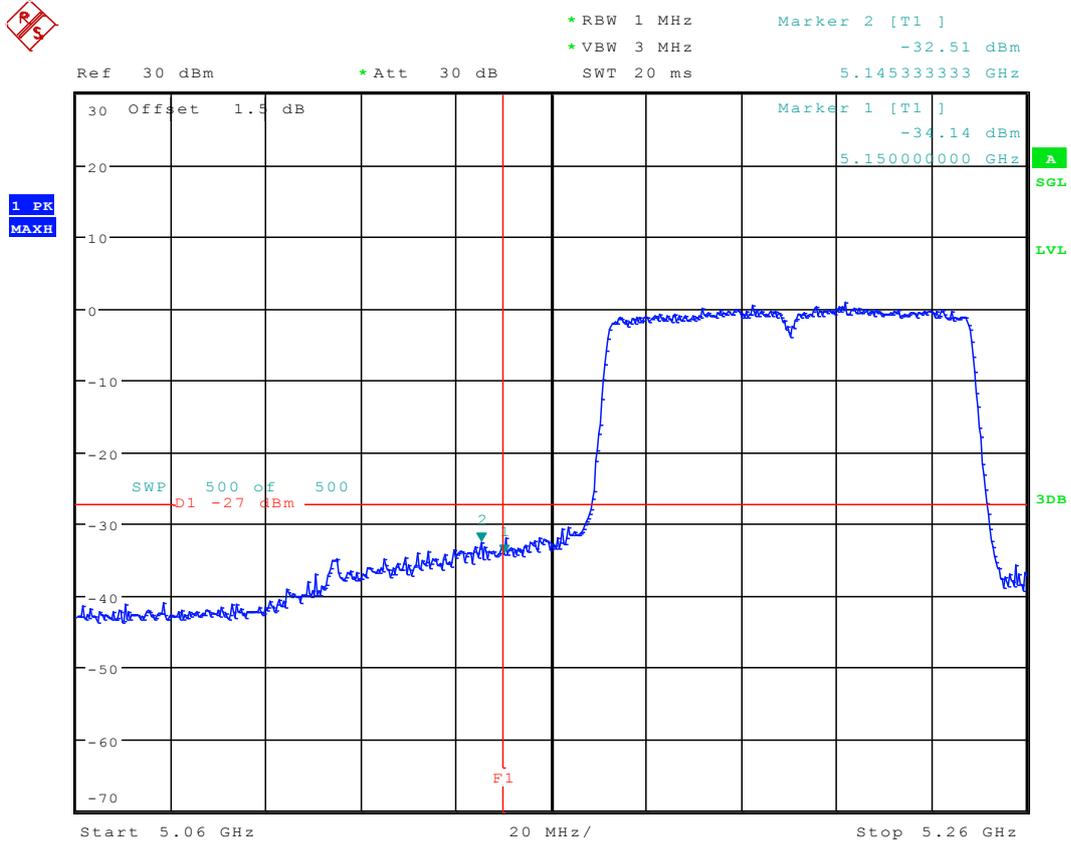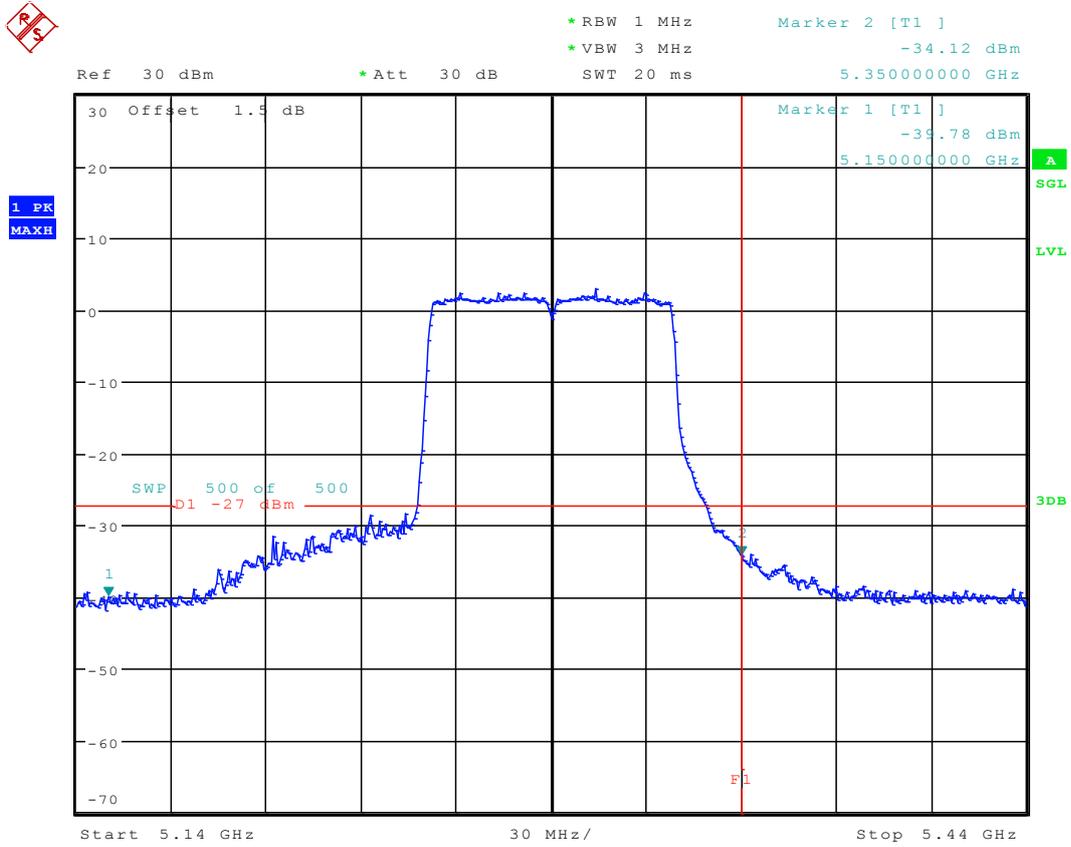

Date: 10.DEC.2016 10:58:43

7.165 11AC80_58 Ant 1
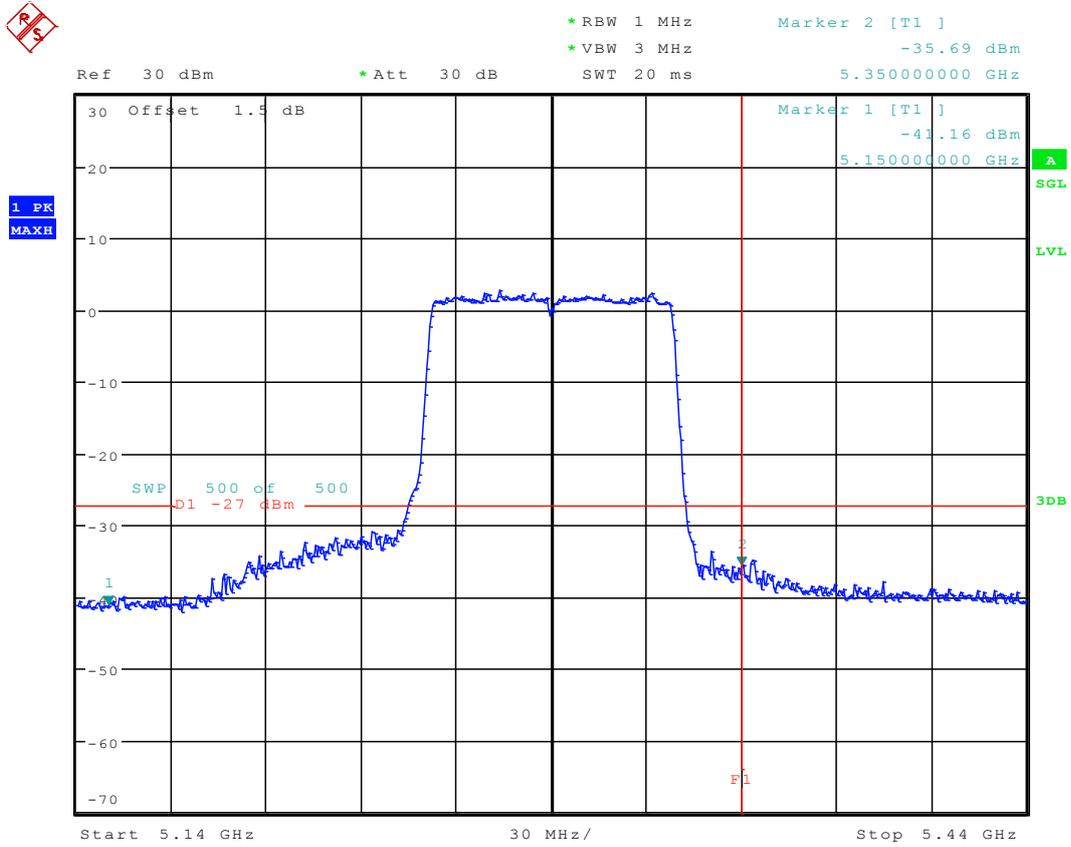
Date: 30.NOV.2016 19:13:38
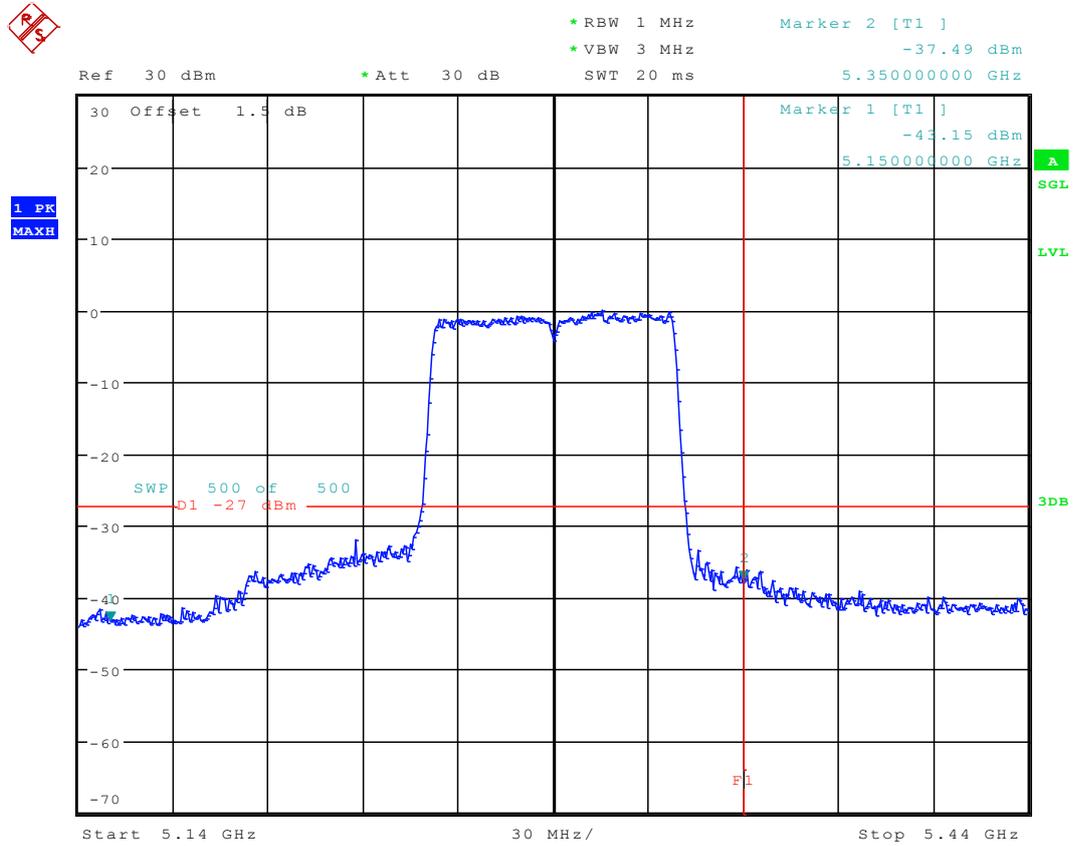
7.166 11AC80_58 Ant 2
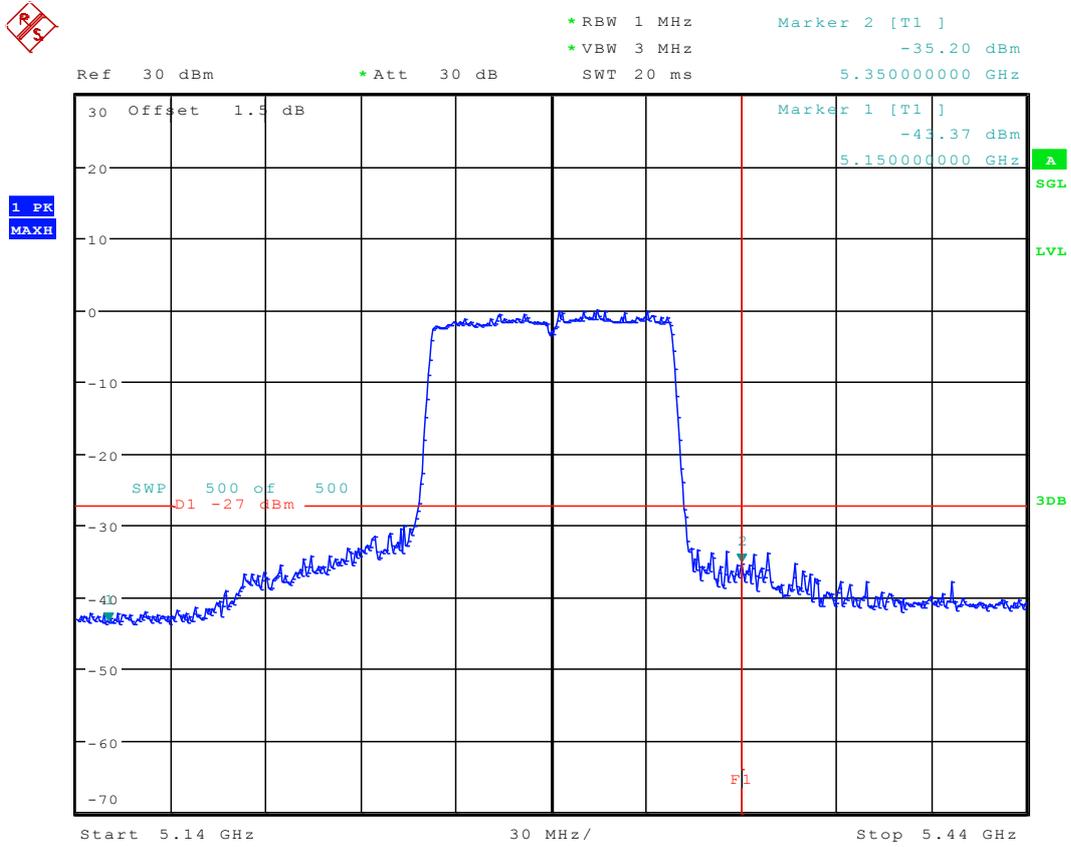
Date: 3.DEC.2016 17:25:07

7.167 11AC80M_58 Ant 1

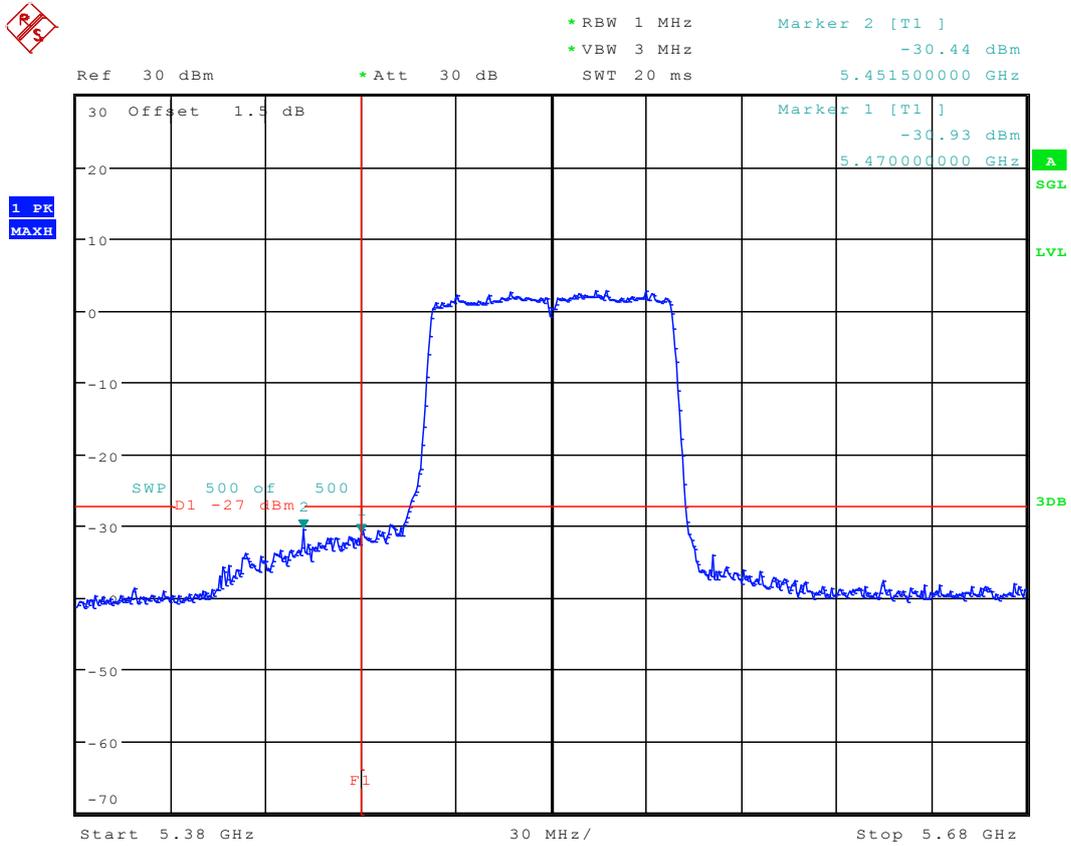```
R&S

                                    * RBW 1 MHz   Marker 2 [T1]
                                    * VBW 3 MHz   -34.12 dBm
         Ref 30 dBm   * Att 30 dB   SWT 20 ms   5.350000000 GHz
         30 Offset 1.5 dB   Marker 1 [T1]
                                                             -39.78 dBm
          20   5.150000000 GHz   A
                                                                 SGL
 1 PK
 MAXH   10   LVL

           0

         -10

         -20
            SWP   500 of   500
            D1 -27 dBm   3DB
         -30

         -50

         -60
                                              F1
         -70
         Start 5.14 GHz   30 MHz/   Stop 5.44 GHz
```

Date: 8.DEC.2016  15:27:45

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### 7.168 11AC80M_58 Ant 2



Date: 10.DEC.2016  11:04:11

### 7.169 11AC80_106 Ant 1



Date: 30.NOV.2016  19:29:42

### 7.170 11AC80_106 Ant 2
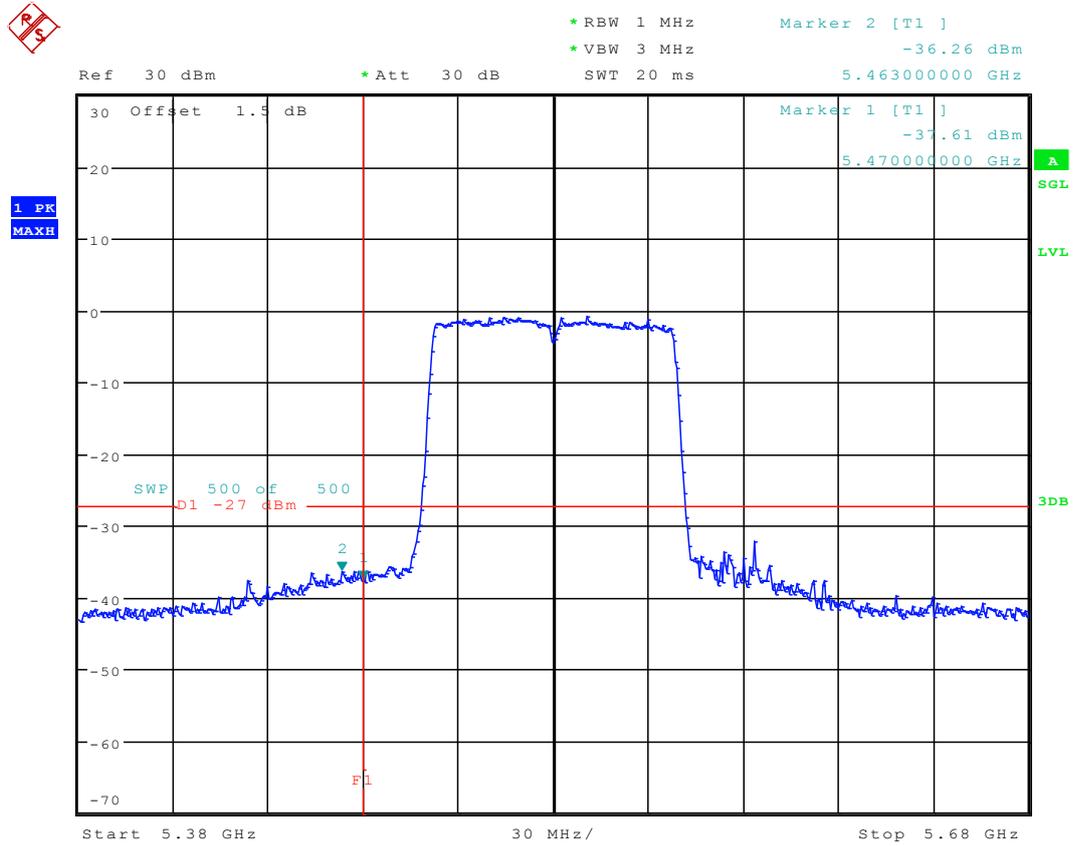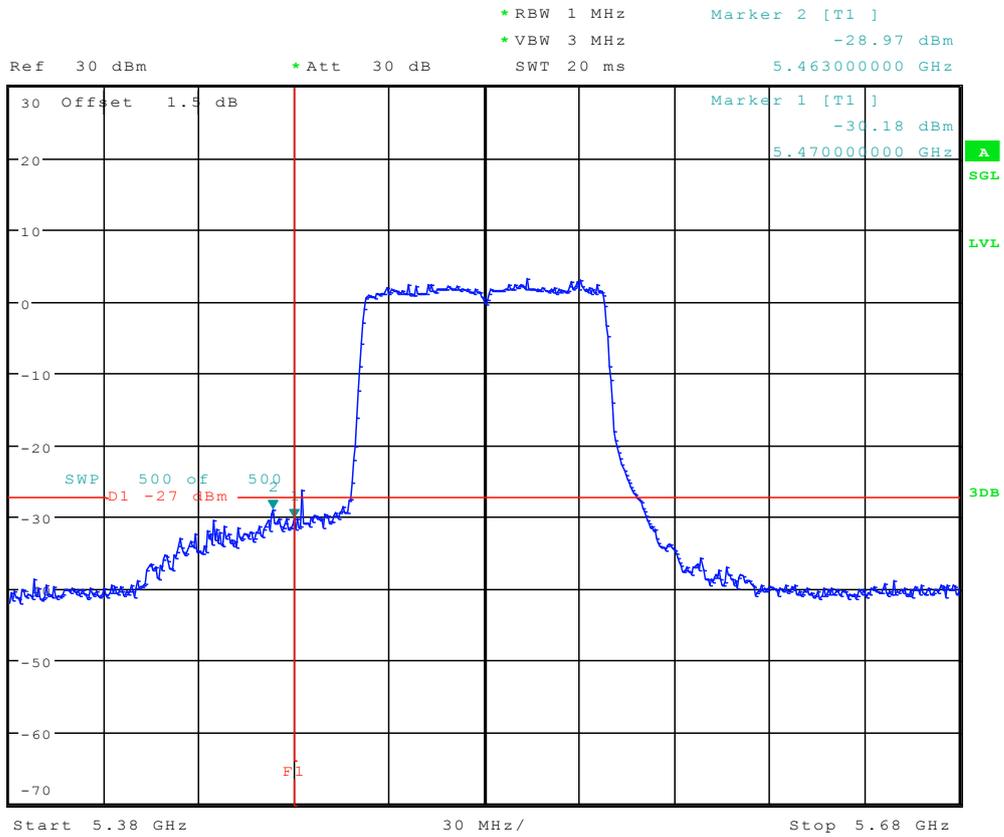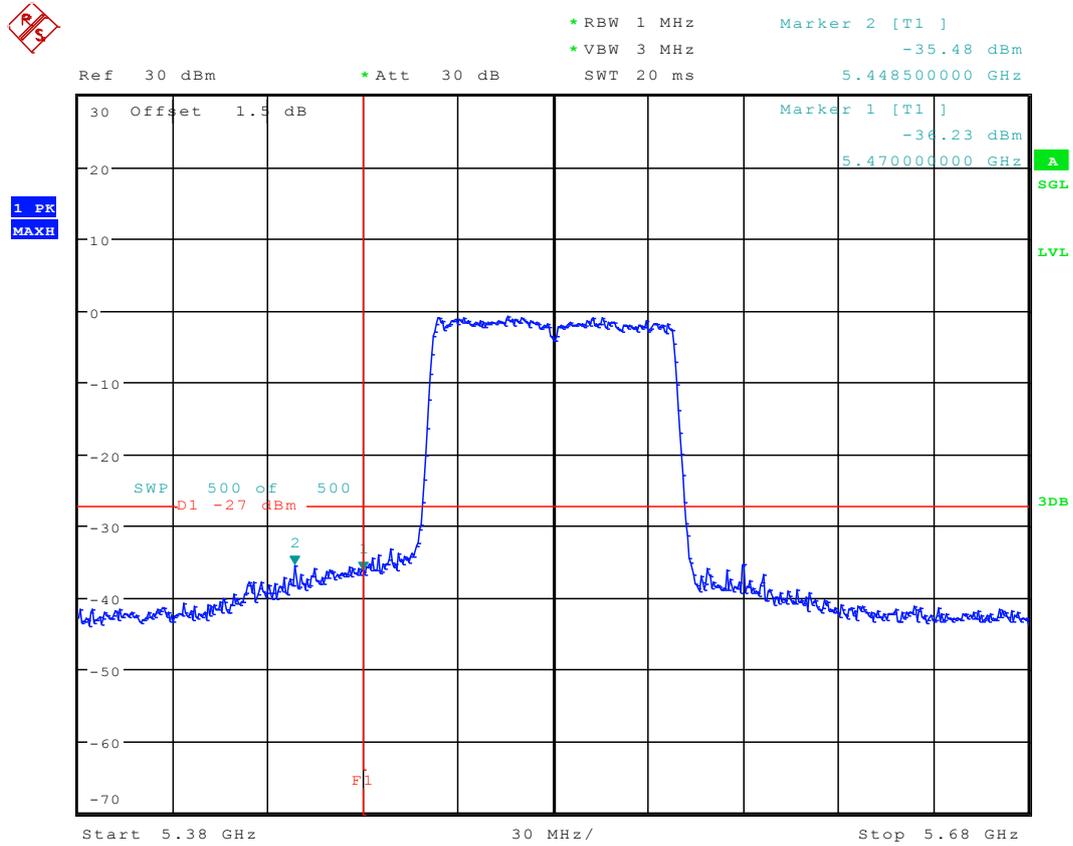


Date: 3.DEC.2016  17:31:33
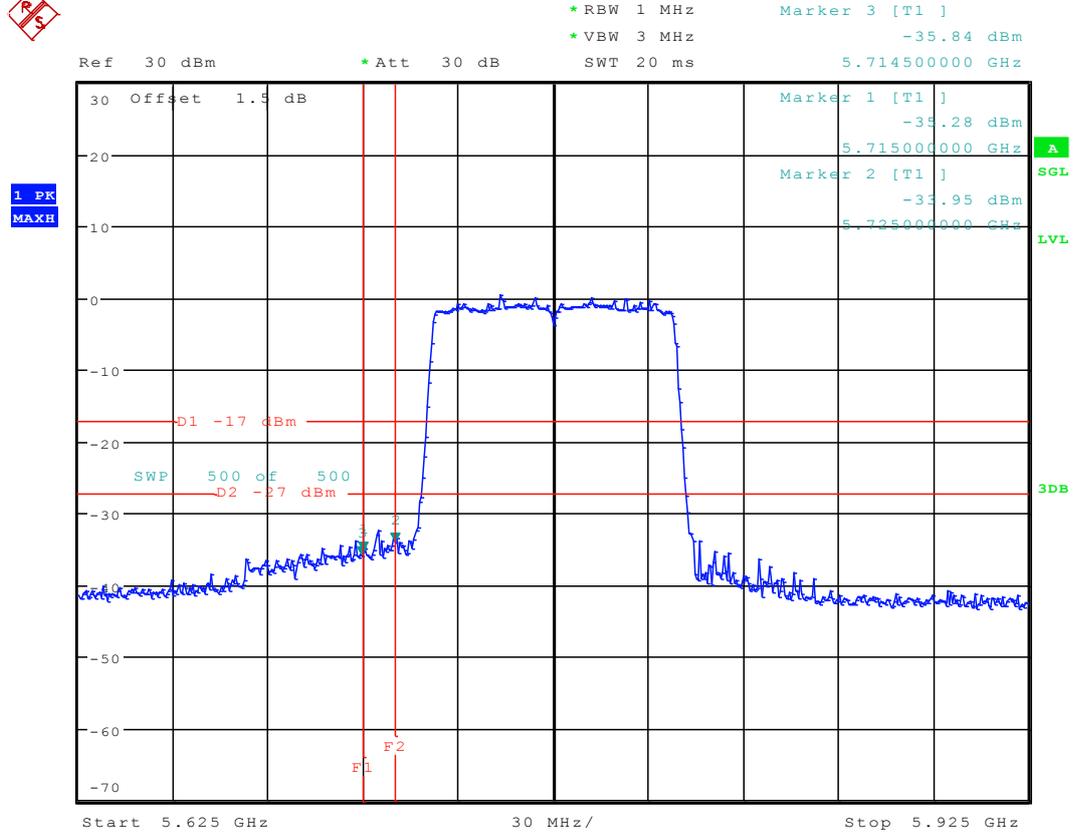
### 7.171 11AC80M_106 Ant 1



Date: 8.DEC.2016  15:32:41

### 7.172 11AC80M_106 Ant 2



Date: 10.DEC.2016  11:11:29

### 7.173 11AC80_155 Ant 1



Date: 30.NOV.2016  19:50:15

### 7.174 11AC80_155 Ant 2
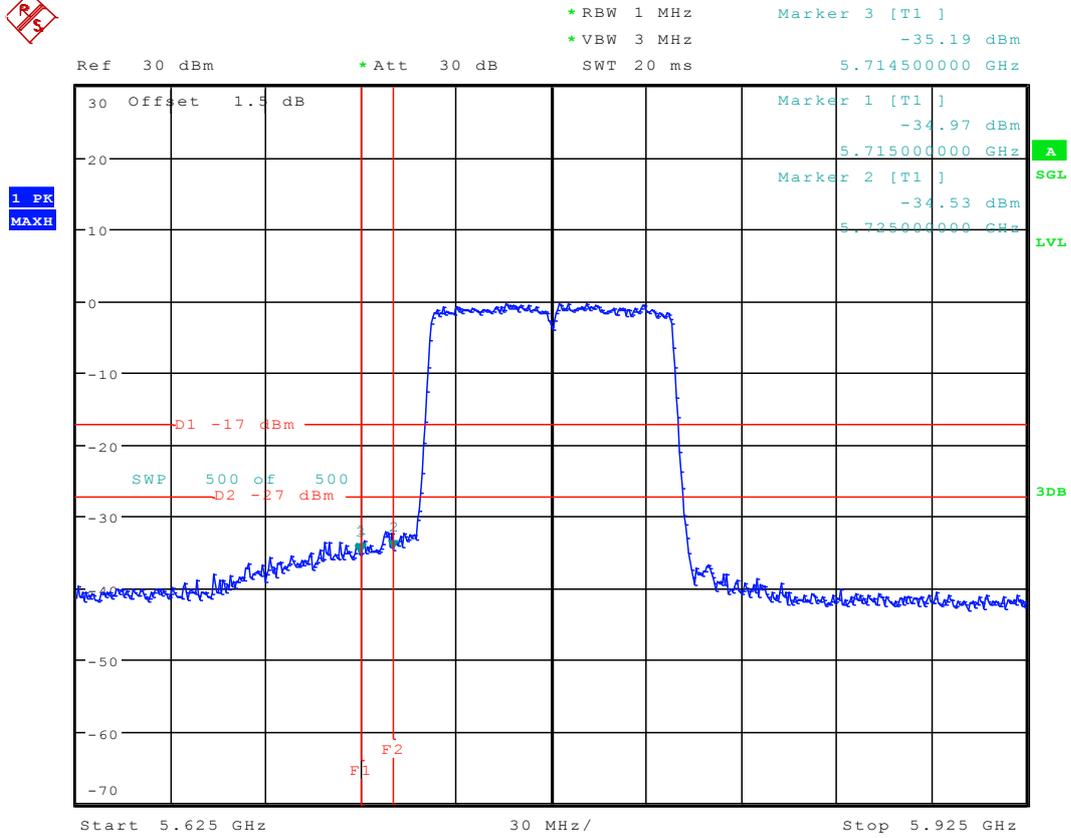


Date: 3.DEC.2016  17:44:23

### 7.175 11AC80M_155 Ant 1
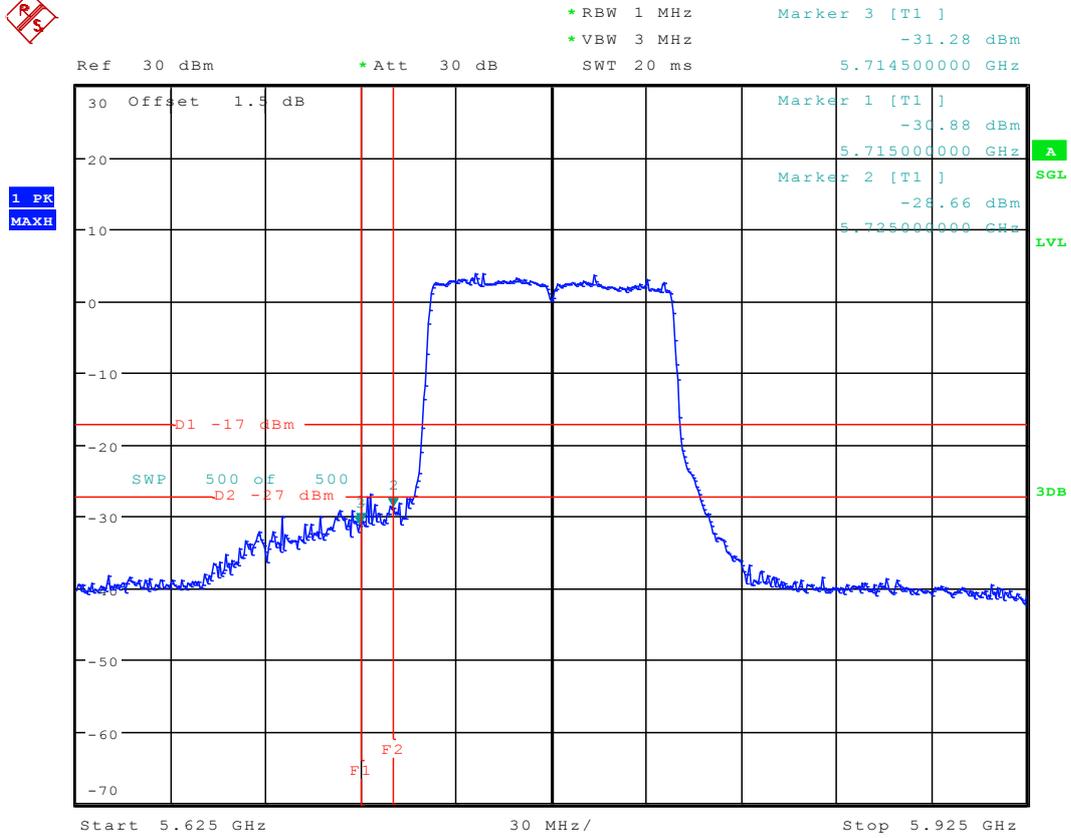


Date: 8.DEC.2016  15:39:02

### 7.176 11AC80M_155 Ant 2



Date: 10.DEC.2016  11:17:17

# Appendix G: Frequencies Stability

Frequency Error vs. Voltage:

| Test Conditions | Measured Fequency （MHz ) |
|---|---|
| | 5180 |
| V nom(V) | 5180.0068 |
| V max(V) | 5180.0074 |
| V min(V) | 5180.0088 |
| Max. Deviation Frequency | 0.0088 |
| Max. Frequency Error (ppm) | 1.70 |

Frequency Error vs. Temperature:

| Test Conditions (° C) | Measured Fequency （MHz ) |
|---|---|
| | 5180 |
| -5 | 5180.0078 |
| 5 | 5180.0064 |
| 15 | 5180.0067 |
| 25 | 5180.0070 |
| 35 | 5180.0066 |
| 45 | 5180.0076 |
| 50 | 5180.0088 |
| Max. Deviation Frequency | 0. 0088 |
| Max. Frequency Error (ppm) | 1.70 |

Frequency Error vs. Voltage:

| Test Conditions | Measured Fequency （MHz ) |
|---|---|
| | 5825 |
| V nom(V) | 5825.00152 |
| V max(V) | 5825.00658 |
| V min(V) | 5825.00673 |
| Max. Deviation Frequency | 0.00673 |
| Max. Frequency Error (ppm) | 1.156 |

Frequency Error vs. Temperature:

| Test Conditions (°C) | Measured Fequency ( MHz ) |
|---|---|
| | 5825 |
| -5 | 5825.00459 |
| 5 | 5825.00458 |
| 15 | 5825.00443 |
| 25 | 5825.00413 |
| 35 | 5825.00454 |
| 45 | 5825.00428 |
| 50 | 5825.00454 |
| Max. Deviation Frequency | 0.00459 |
| Max. Frequency Error (ppm) | 0.7880 |

END