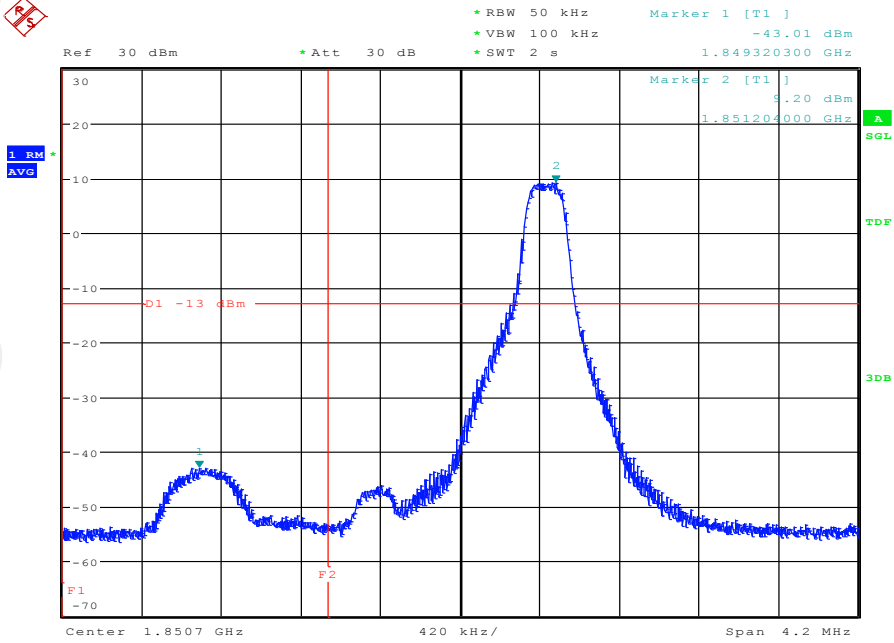## Appendix D: Band Edge

Note: The report LTE band2/4/5/7 data is used in 2ADINN5001L reported test data.
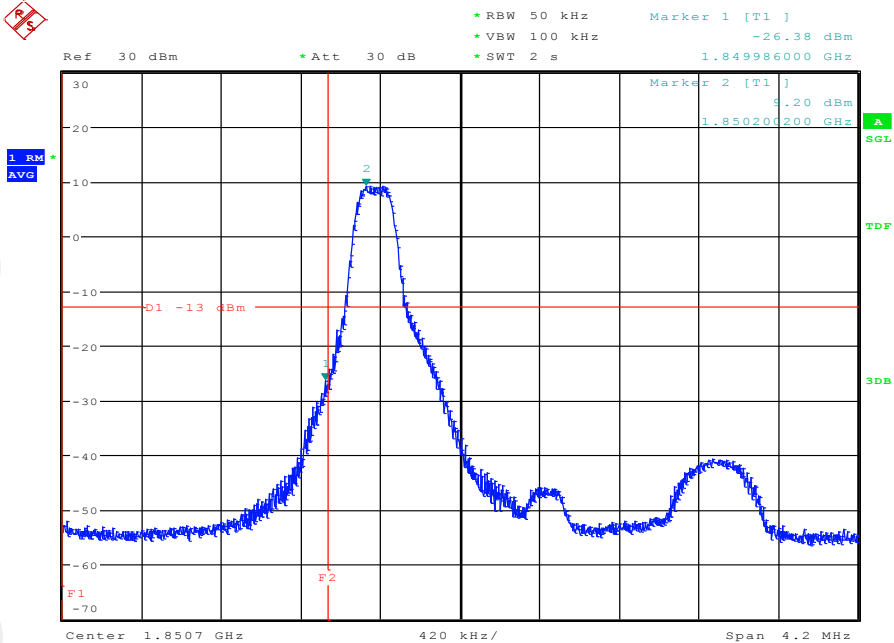
Test Graphs
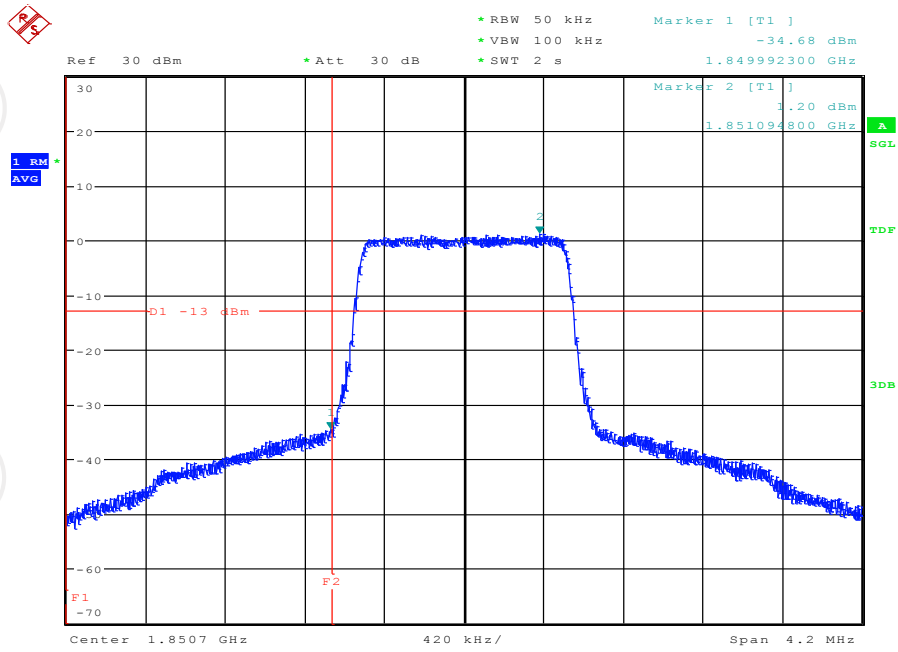
BAND2-1850.7MHz,Q16-1RB_HIGH@Pass

Date: 9.MAY.2017 20:21:42

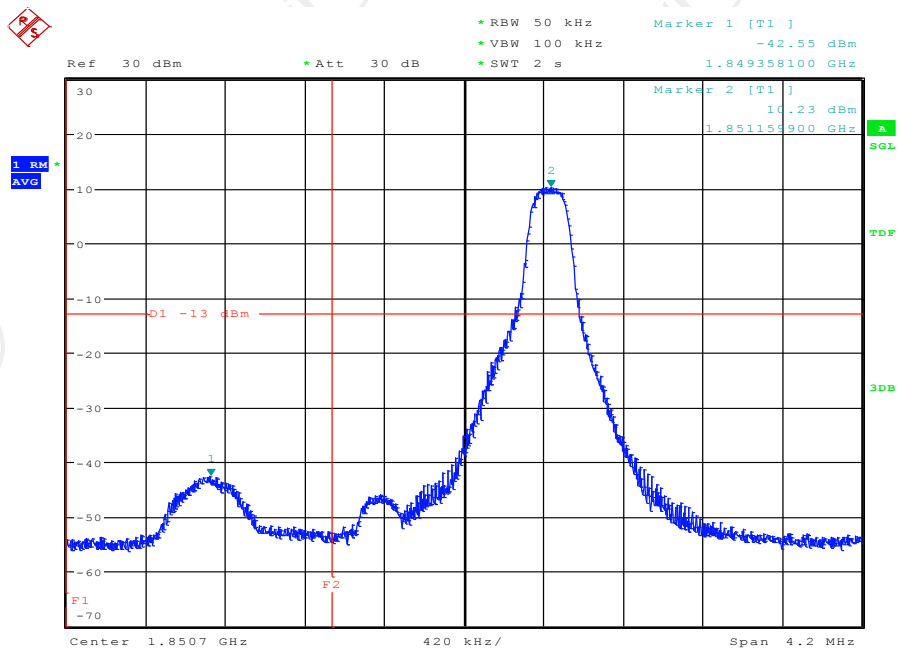### BAND2-1850.7MHz,Q16-1RB_LOW@Pass

Date: 9.MAY.2017 20:21:32

BAND2-1850.7MHz,Q16-6RB_LOW@Pass

Date: 9.MAY.2017 20:21:54

BAND2-1850.7MHz,QPSK-1RB_HIGH@Pass

Date: 9.MAY.2017 20:21:09

BAND2-1850.7MHz,QPSK-1RB_LOW@Pass

Date: 9.MAY.2017 20:20:58

BAND2-1850.7MHz,QPSK-6RB_LOW@Pass

Date: 9.MAY.2017 20:21:20

BAND2-1851.5MHz,Q16-15RB_LOW@Pass

Date: 9.MAY.2017 20:24:10

BAND2-1851.5MHz,Q16-1RB_HIGH@Pass

Date: 9.MAY.2017 20:23:59

BAND2-1851.5MHz,Q16-1RB_LOW@Pass

Date: 9.MAY.2017 20:23:48

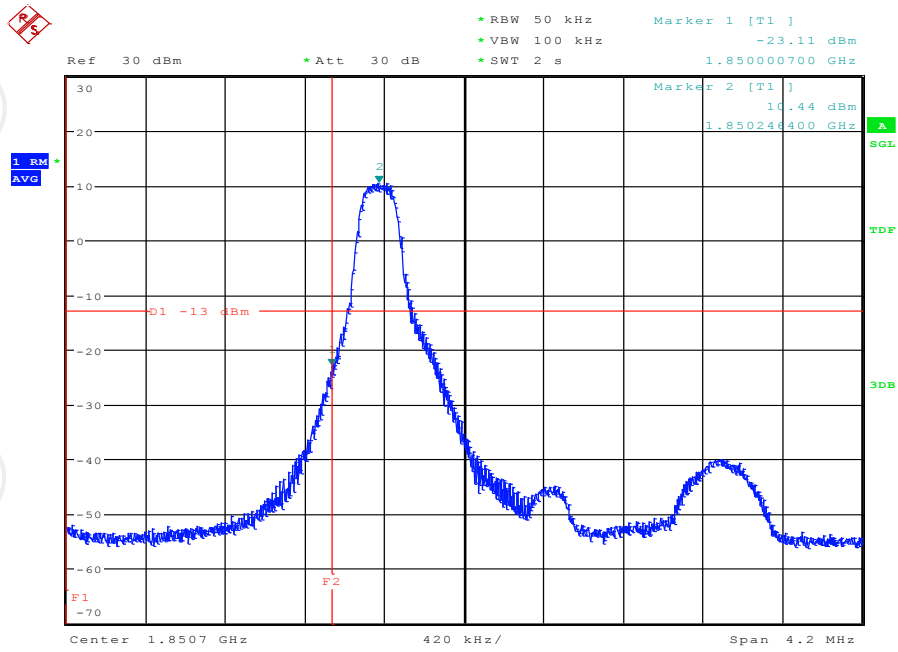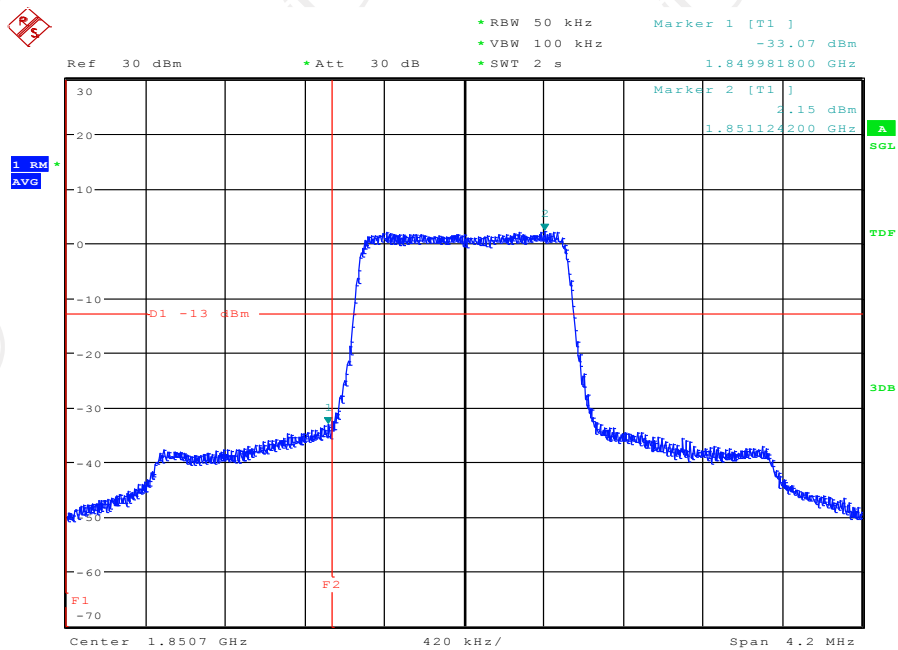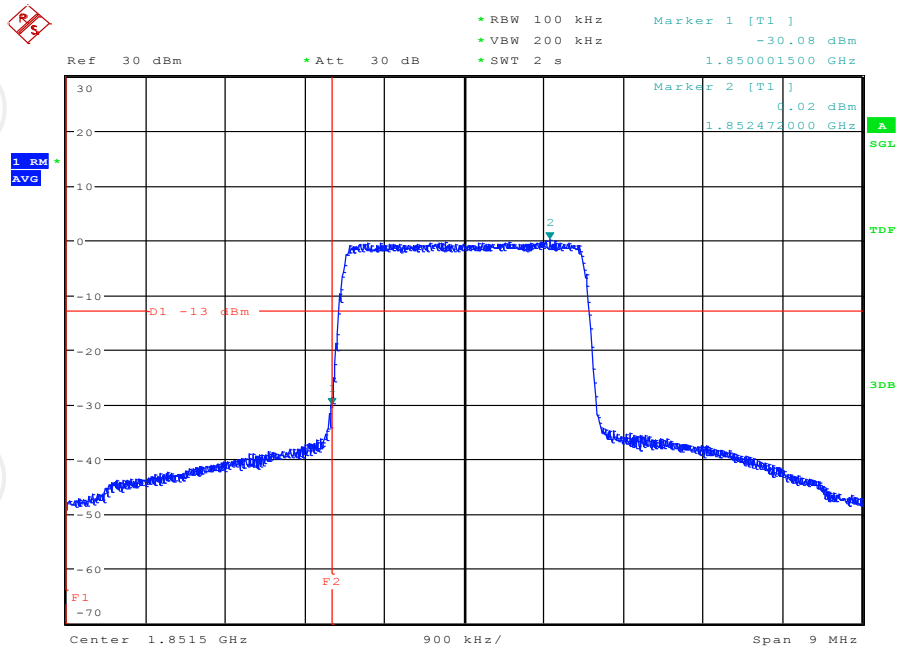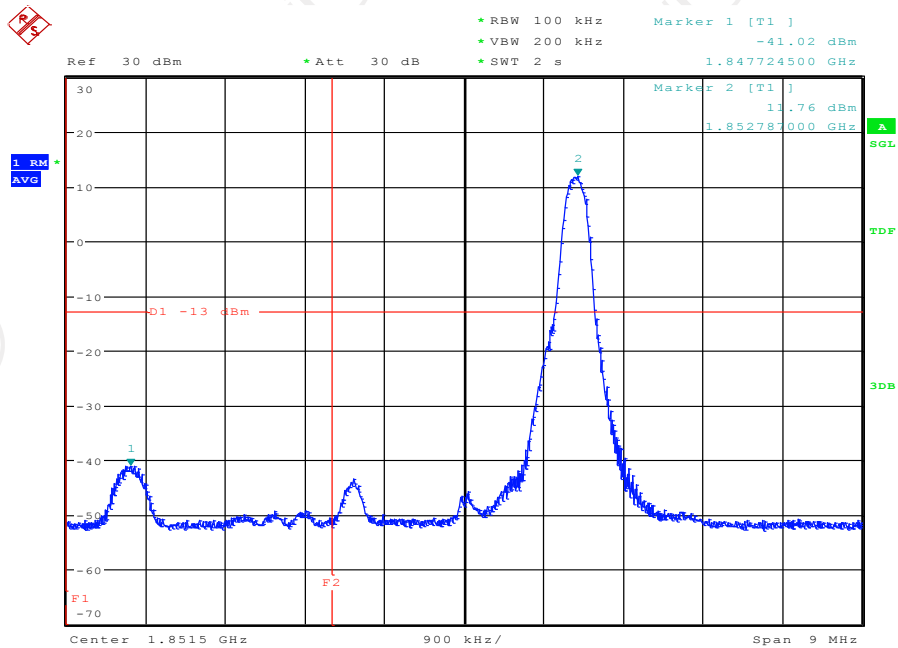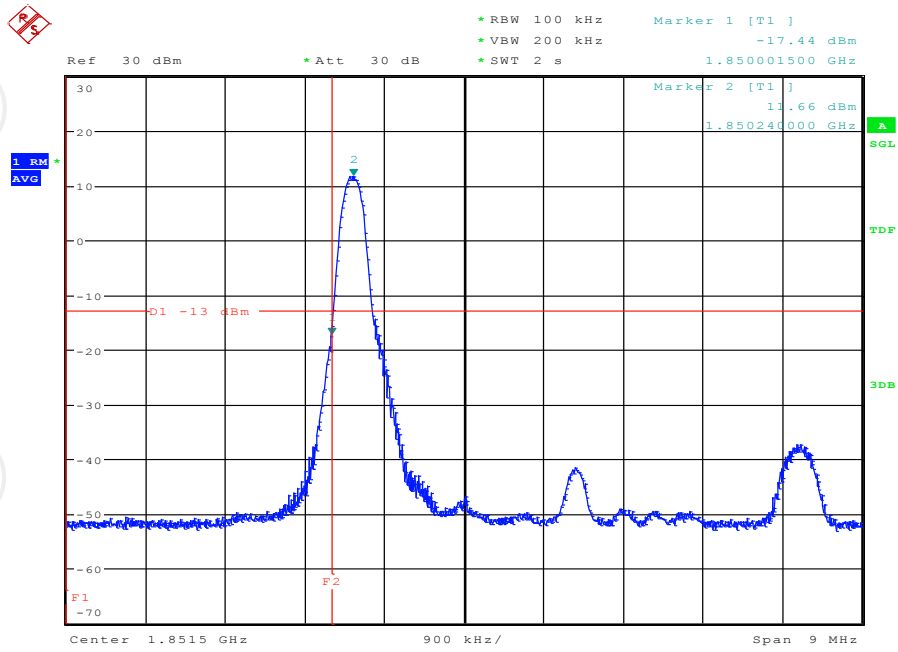## BAND2-1851.5MHz,QPSK-15RB_LOW@Pass
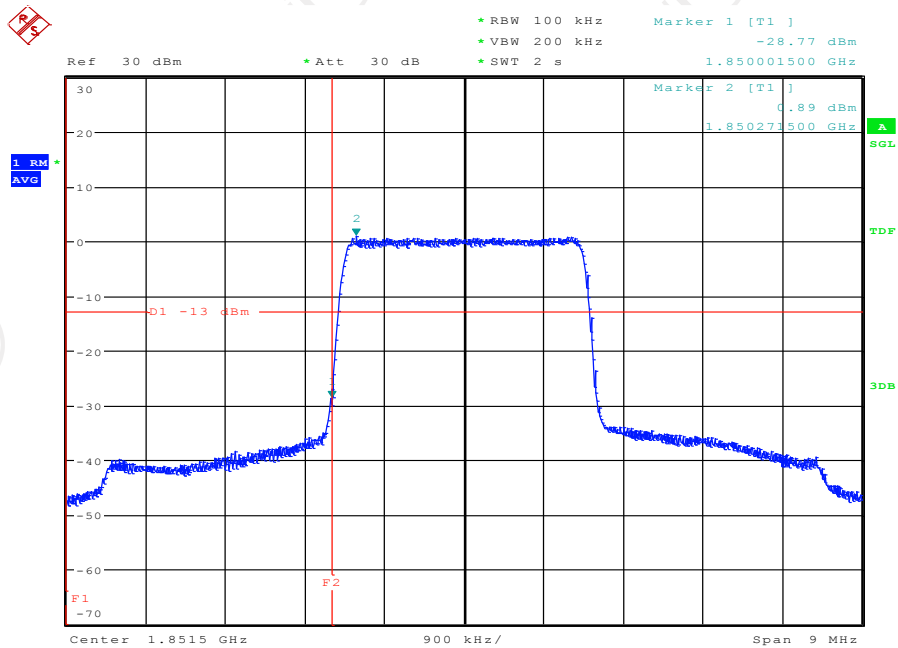
Date: 9.MAY.2017 20:23:37

BAND2-1851.5MHz,QPSK-1RB_HIGH@Pass
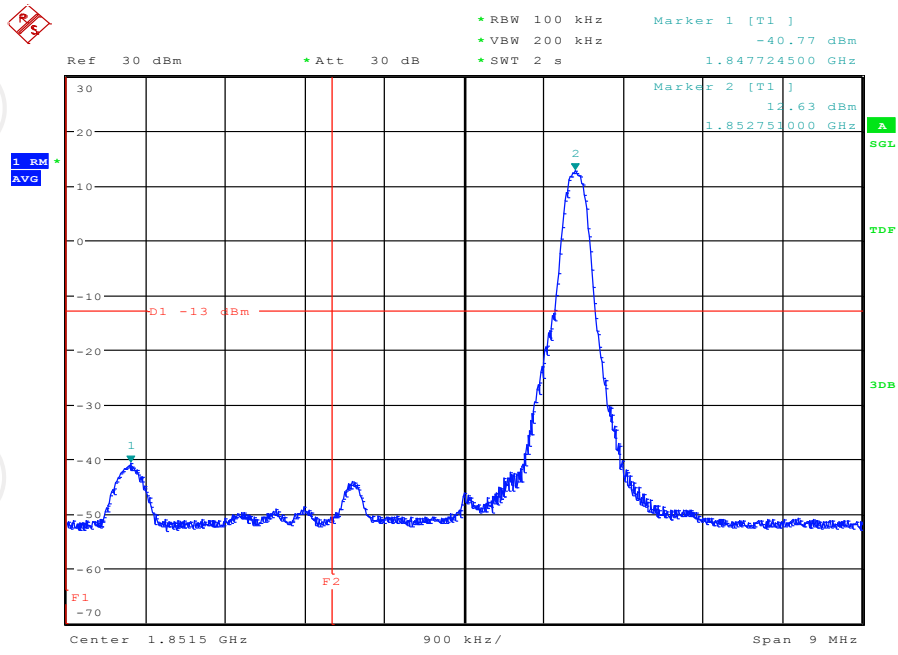
Date: 9.MAY.2017 20:23:25

BAND2-1851.5MHz,QPSK-1RB_LOW@Pass
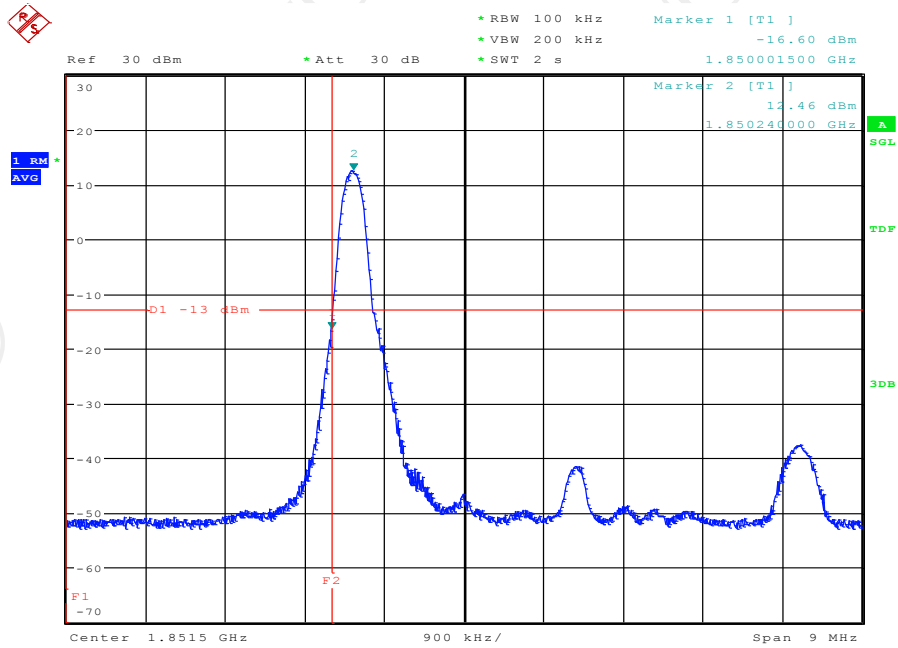
Date: 9.MAY.2017 20:23:15

BAND2-1852.5MHz,Q16-1RB_HIGH@Pass


```
RBW 120 kHz        Marker 1 [T1 ]
* VBW 300 kHz              -42.57 dBm
Ref  30 dBm        * Att  30 dB    * SWT 2 s          1.846005000 GHz
                                   Marker 2 [T1 ]
                                          11.37 dBm
                                   1.854660000 GHz

D1 -13 dBm

Center  1.8525 GHz        1.5 MHz/          Span  15 MHz
```
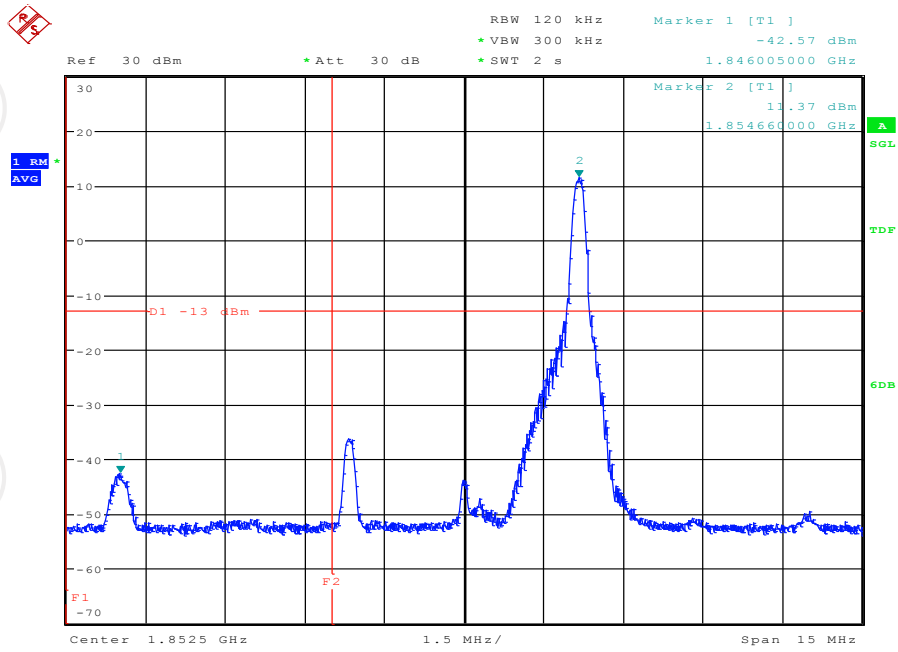
Date: 9.MAY.2017 20:26:09

BAND2-1852.5MHz,Q16-1RB_LOW@Pass


```
RBW 120 kHz        Marker 1 [T1 ]
* VBW 300 kHz              -21.53 dBm
Ref  30 dBm        * Att  30 dB    * SWT 2 s          1.850002500 GHz
                                   Marker 2 [T1 ]
                                          10.58 dBm
                                   1.850347500 GHz

D1 -13 dBm

Center  1.8525 GHz        1.5 MHz/          Span  15 MHz
```

Date: 9.MAY.2017 20:25:58

BAND2-1852.5MHz,Q16-25RB_LOW@Pass

RBW 120 kHz	Marker 1 [T1]
* VBW 300 kHz	-33.82 dBm
Ref 30 dBm * Att 30 dB * SWT 2 s	1.850002500 GHz

Marker 2 [T1]
-3.22 dBm
1.854697500 GHz

Center 1.8525 GHz   1.5 MHz/   Span 15 MHz

Date: 9.MAY.2017 20:26:19

BAND2-1852.5MHz,QPSK-1RB_HIGH@Pass

RBW 120 kHz	Marker 1 [T1]
* VBW 300 kHz	-43.72 dBm
Ref 30 dBm * Att 30 dB * SWT 2 s	1.845975000 GHz

Marker 2 [T1]
12.00 dBm
1.854637500 GHz

Center 1.8525 GHz   1.5 MHz/   Span 15 MHz

Date: 9.MAY.2017 20:25:38

BAND2-1852.5MHz,QPSK-1RB_LOW@Pass

RBW 120 kHz	Marker 1 [T1]
* VBW 300 kHz	-20.27 dBm
* SWT 2 s	1.850002500 GHz

Marker 2 [T1] 11.70 dBm 1.850325000 GHz

Ref 30 dBm   * Att 30 dB

Center 1.8525 GHz   1.5 MHz/   Span 15 MHz

Date: 9.MAY.2017 20:25:28

BAND2-1852.5MHz,QPSK-25RB_LOW@Pass

RBW 120 kHz	Marker 1 [T1]
* VBW 300 kHz	-33.23 dBm
* SWT 2 s	1.850002500 GHz

Marker 2 [T1] -2.21 dBm 1.854562500 GHz

Ref 30 dBm   * Att 30 dB

Center 1.8525 GHz   1.5 MHz/   Span 15 MHz
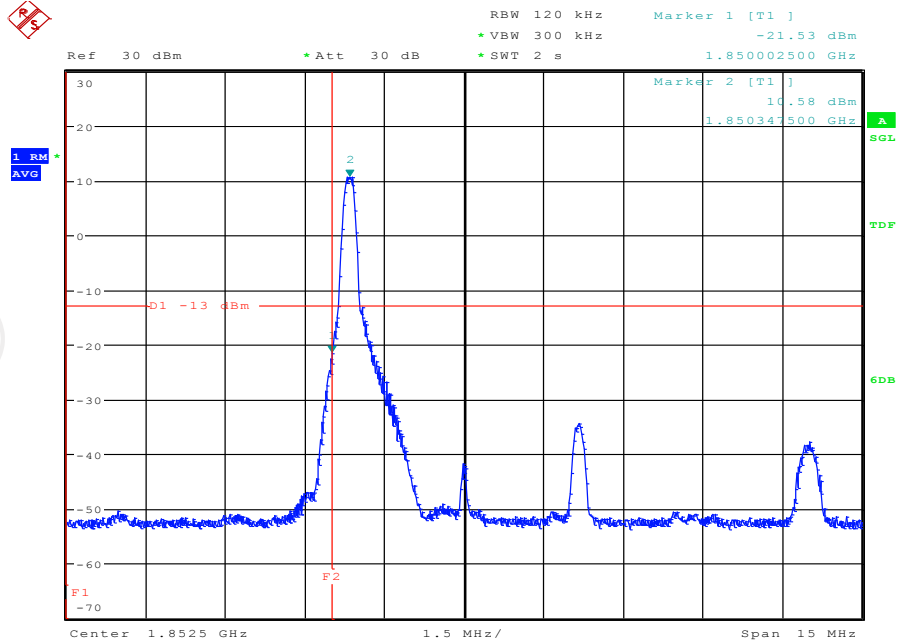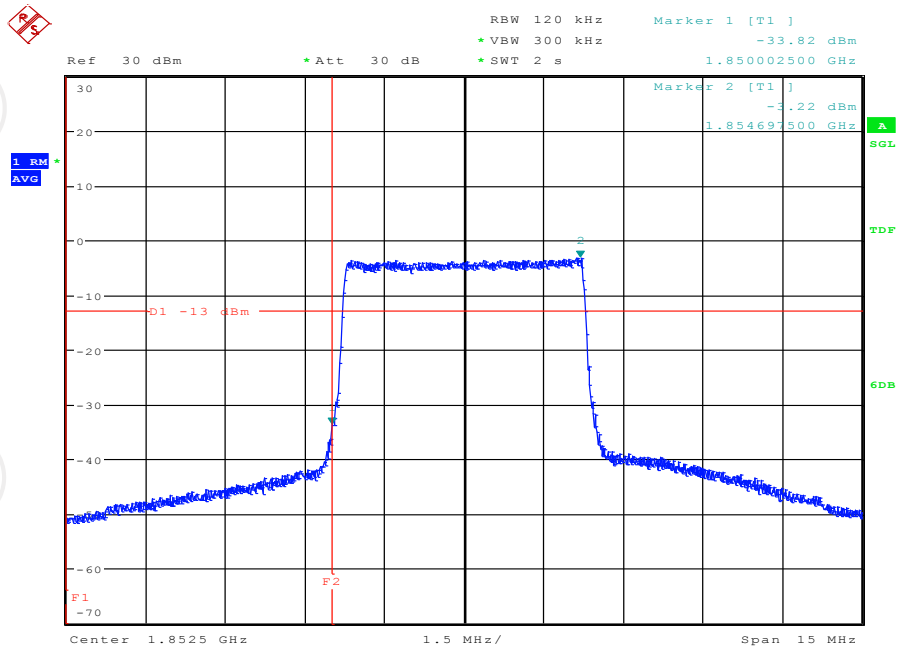
Date: 9.MAY.2017 20:25:48

BAND2-1855MHz,Q16-1RB_HIGH@Pass
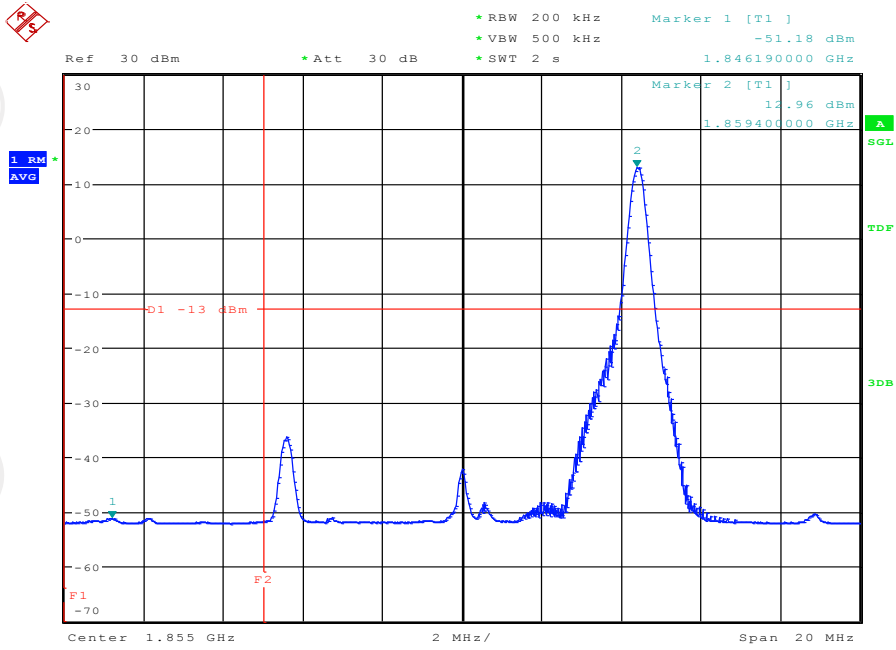
Date: 9.MAY.2017 20:28:17

BAND2-1855MHz,Q16-1RB_LOW@Pass

Date: 9.MAY.2017 20:28:06
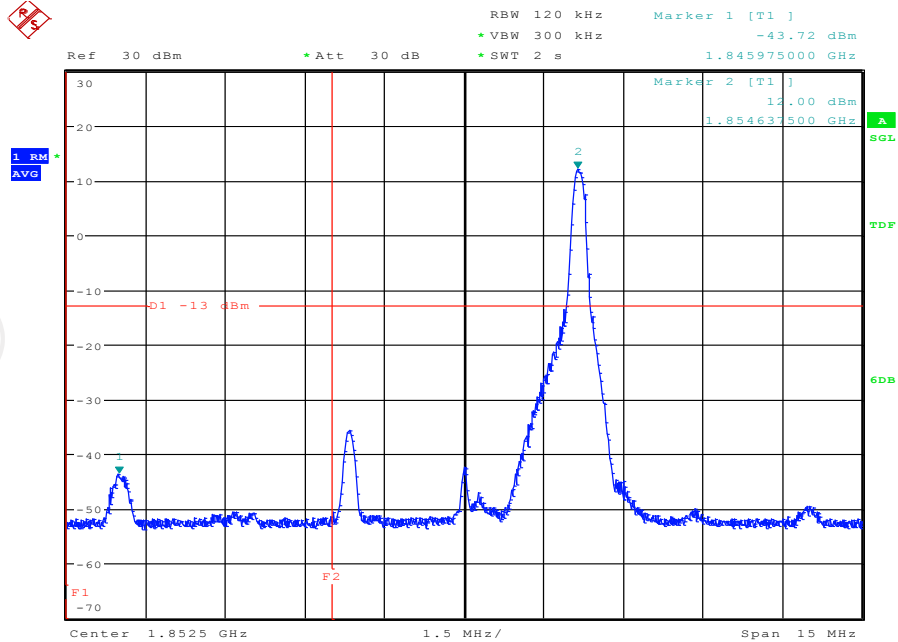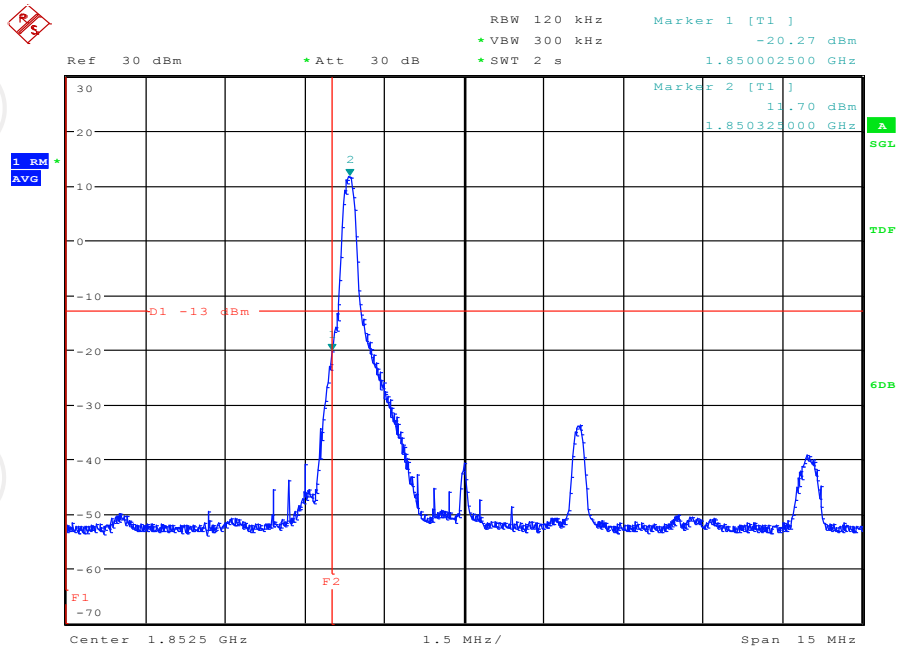
BAND2-1855MHz,Q16-50RB_LOW@Pass

```
* RBW  200 kHz        Marker 1 [T1 ]
* VBW  500 kHz                -36.90 dBm
Ref  30 dBm     * Att  30 dB  * SWT  2 s      1.849990000 GHz
                                      Marker 2 [T1 ]
                                              -2.45 dBm
                                              1.858330000 GHz    A
                                                                SGL

1 RM
AVG                                                              TDF

D1 -13 dBm                                                       3DB

F1
-70
Center  1.855 GHz              2 MHz/              Span  20 MHz
```

Date: 9.MAY.2017 20:28:27

BAND2-1855MHz,QPSK-1RB_HIGH@Pass

```
* RBW  200 kHz        Marker 1 [T1 ]
* VBW  500 kHz                -51.04 dBm
Ref  30 dBm     * Att  30 dB  * SWT  2 s      1.847090000 GHz
                                      Marker 2 [T1 ]
                                              13.71 dBm
                                              1.859430000 GHz    A
                                                                SGL

1 RM
AVG                                                              TDF

D1 -13 dBm                                                       3DB

F1
-70
Center  1.855 GHz              2 MHz/              Span  20 MHz
```
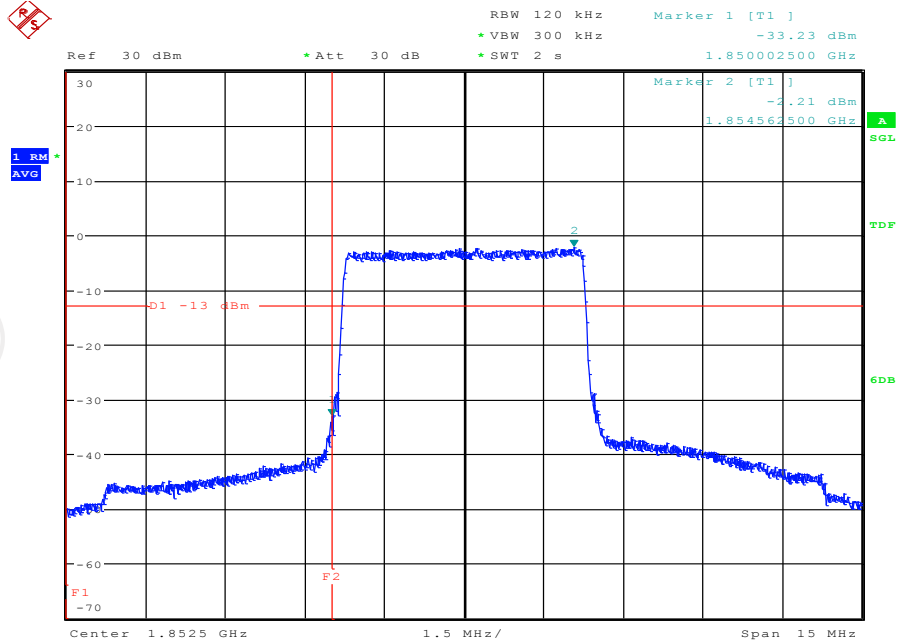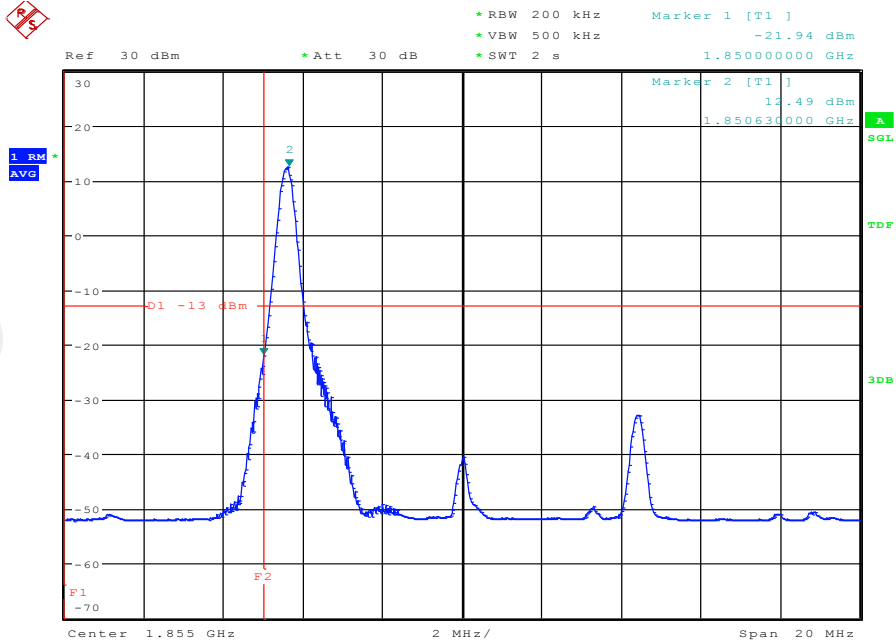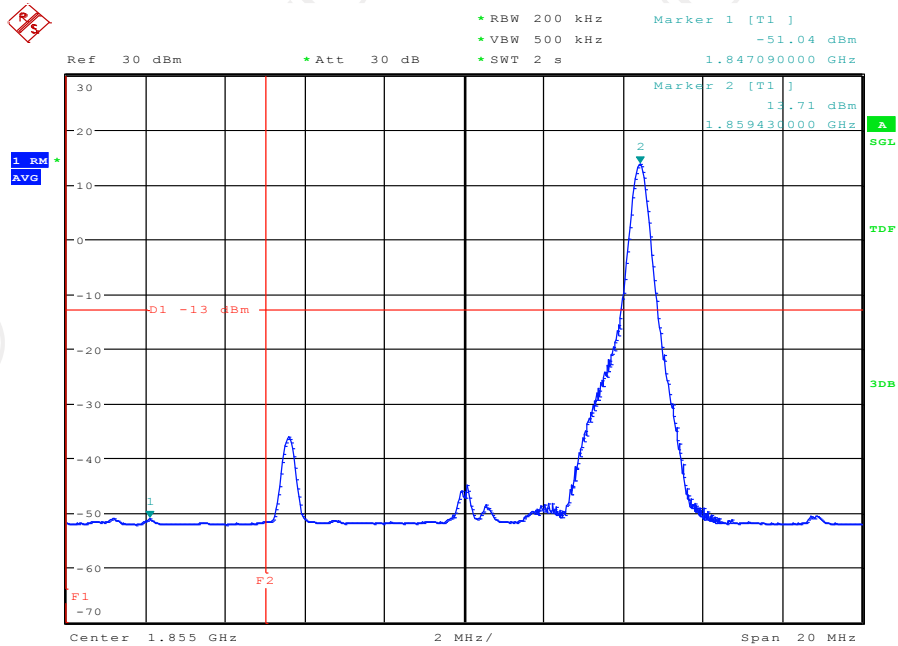
Date: 9.MAY.2017 20:27:45

BAND2-1855MHz,QPSK-1RB_LOW@Pass

Date: 9.MAY.2017 20:27:35

BAND2-1855MHz,QPSK-50RB_LOW@Pass

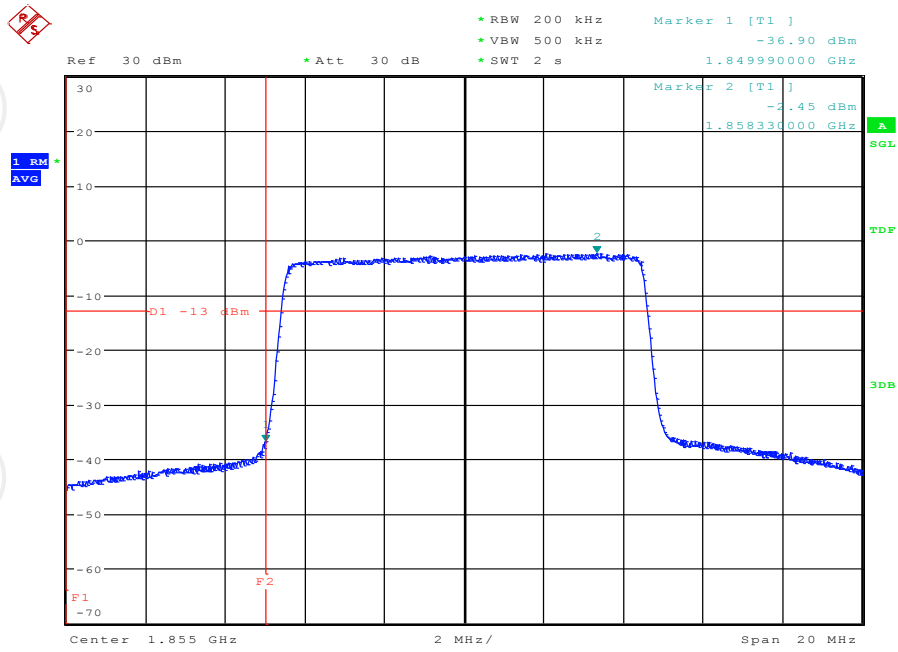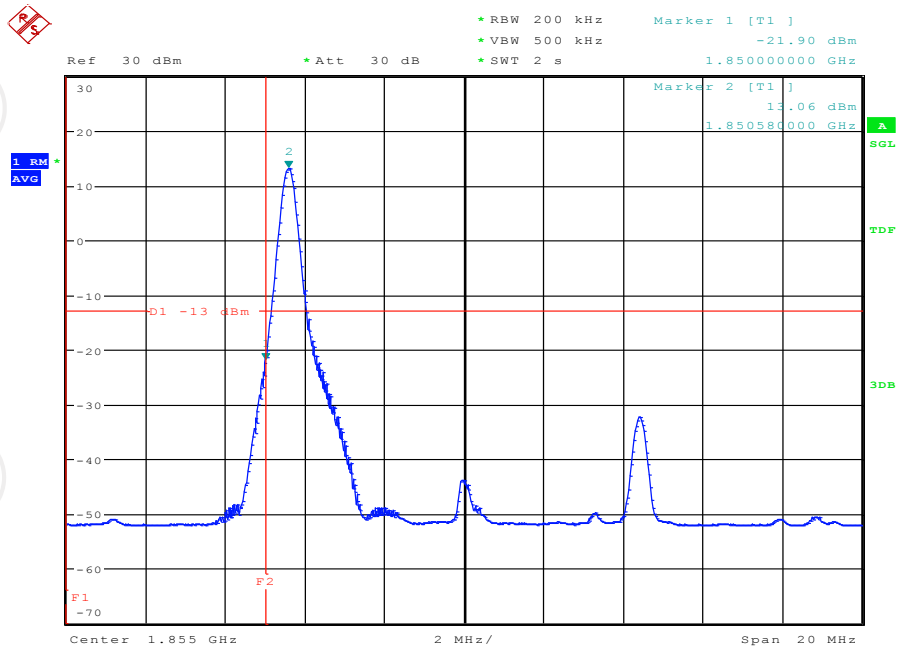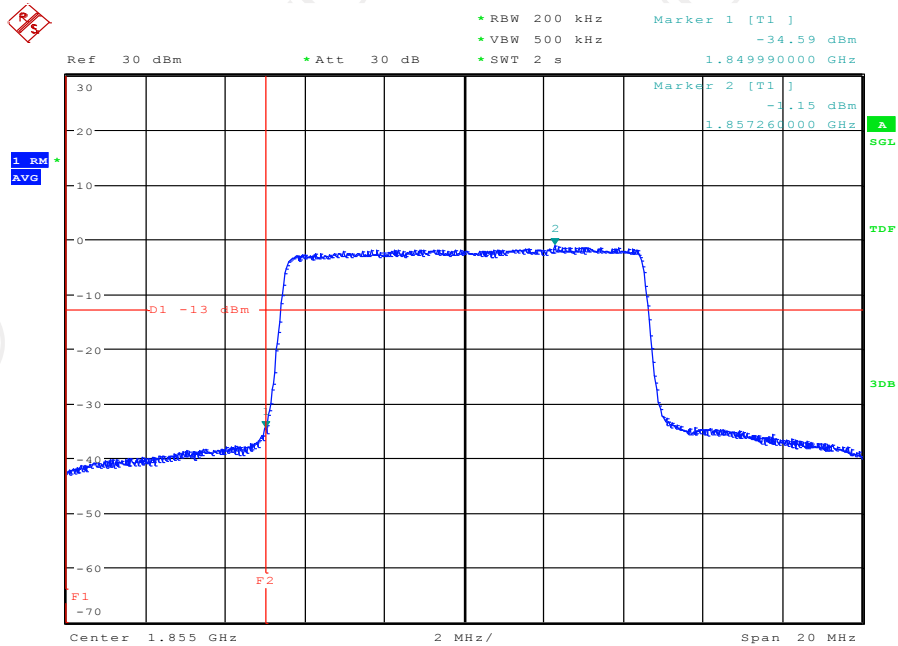Date: 9.MAY.2017 20:27:56

BAND2-1857.5MHz,Q16-1RB_HIGH@Pass


```
                                * RBW  300 kHz      Marker 1 [T1 ]
                                * VBW  1 MHz                 -50.79 dBm
        Ref  30 dBm      * Att  30 dB  * SWT  2 s       1.844210000 GHz
                                                    Marker 2 [T1 ]
                                                            13.56 dBm
                                                    1.864175000 GHz
```

Center 1.8575 GHz   3 MHz/   Span 30 MHz

Date: 9.MAY.2017 20:30:36

BAND2-1857.5MHz,Q16-1RB_LOW@Pass


```
                                * RBW  300 kHz      Marker 1 [T1 ]
                                * VBW  1 MHz                 -21.38 dBm
        Ref  30 dBm      * Att  30 dB  * SWT  2 s       1.850000000 GHz
                                                    Marker 2 [T1 ]
                                                            13.14 dBm
                                                    1.850810000 GHz
```

Center 1.8575 GHz   3 MHz/   Span 30 MHz

Date: 9.MAY.2017 20:30:24

BAND2-1857.5MHz,Q16-75RB_LOW@Pass

Date: 9.MAY.2017 20:30:49

BAND2-1857.5MHz,QPSK-1RB_HIGH@Pass

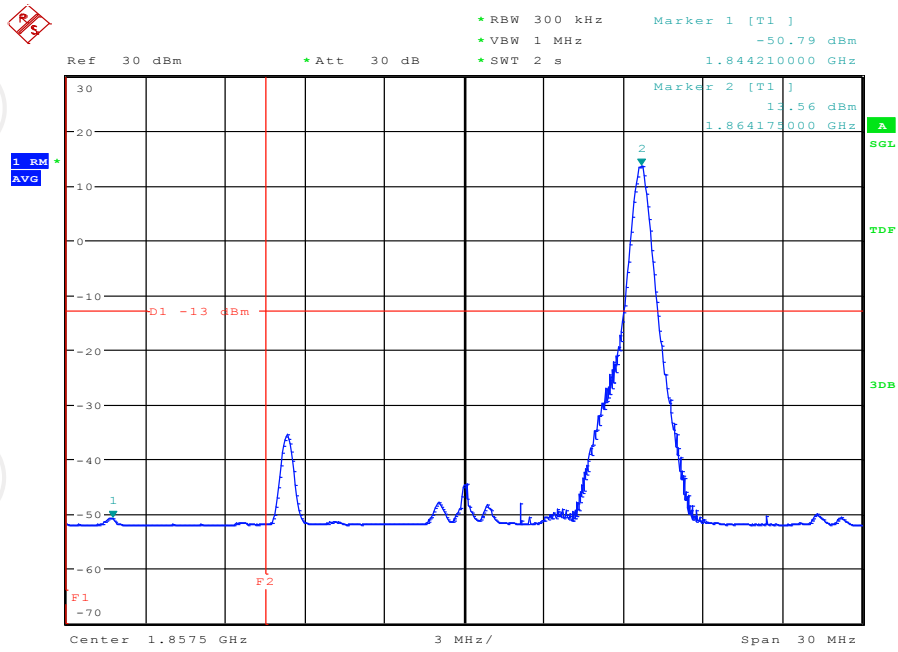Date: 9.MAY.2017 20:29:59

BAND2-1857.5MHz,QPSK-1RB_LOW@Pass

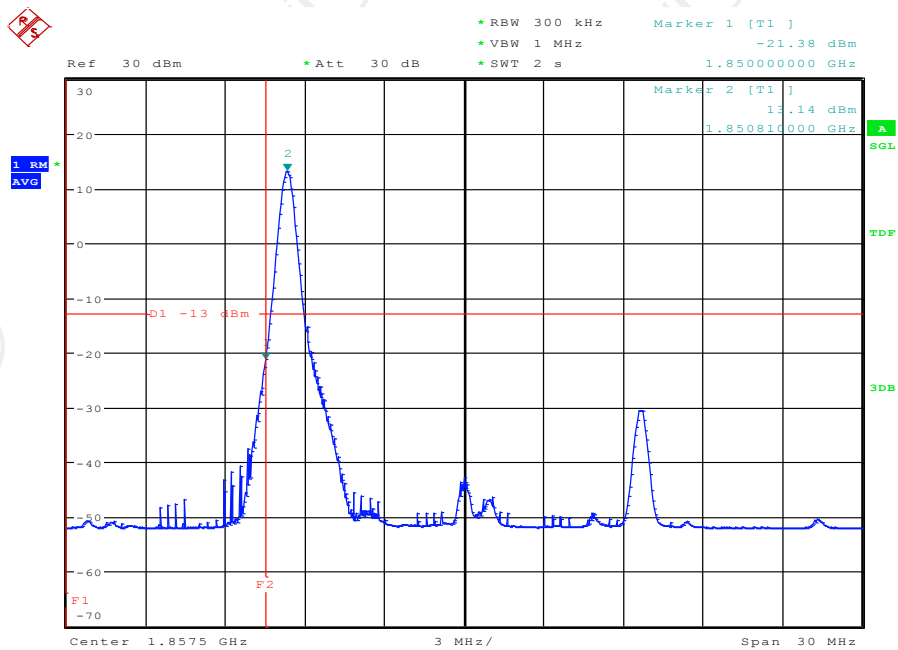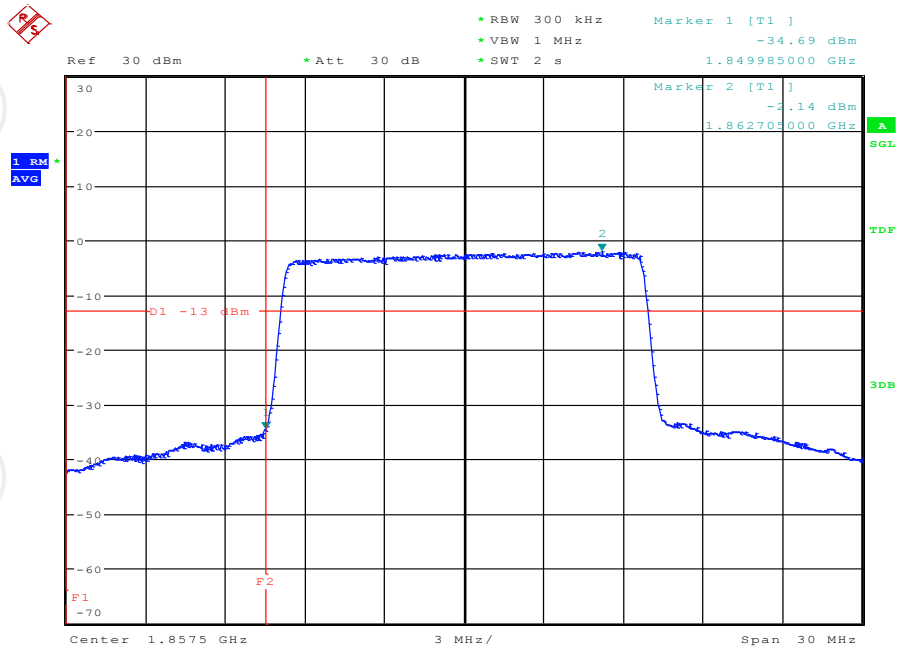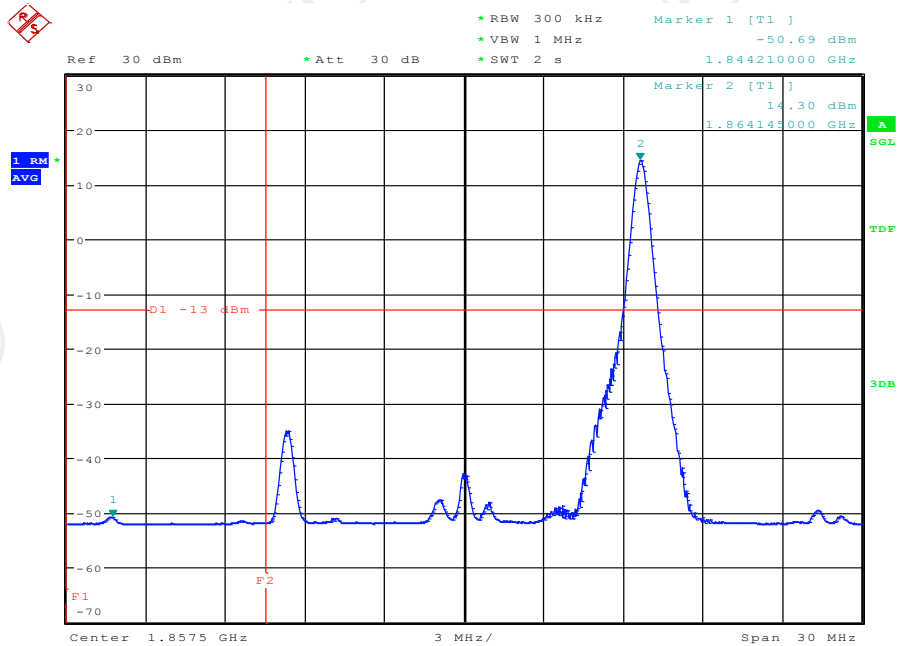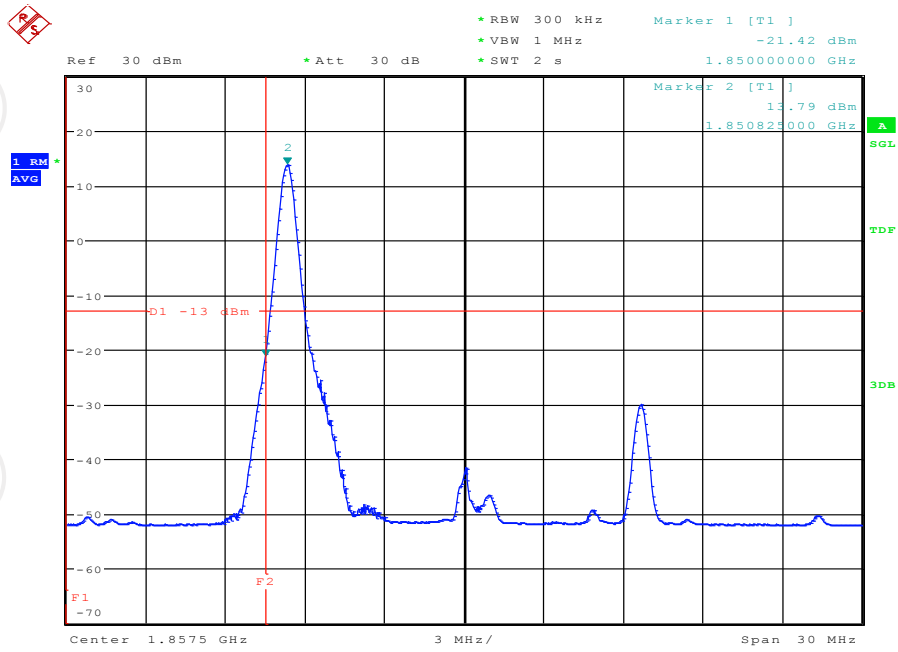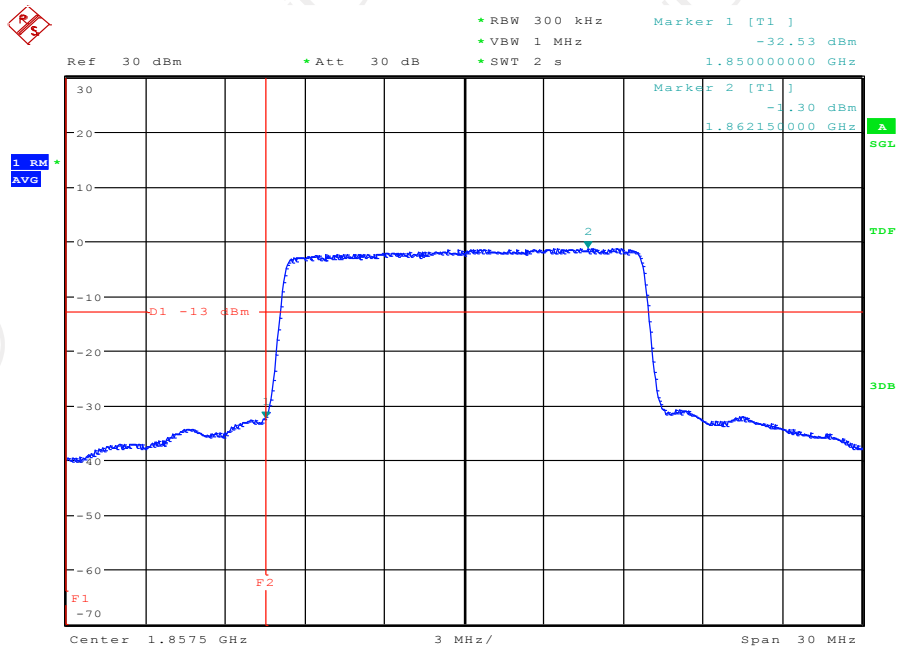Date: 9.MAY.2017 20:29:47

BAND2-1857.5MHz,QPSK-75RB_LOW@Pass

Date: 9.MAY.2017 20:30:12

BAND2-1860MHz,Q16-100RB_LOW@Pass
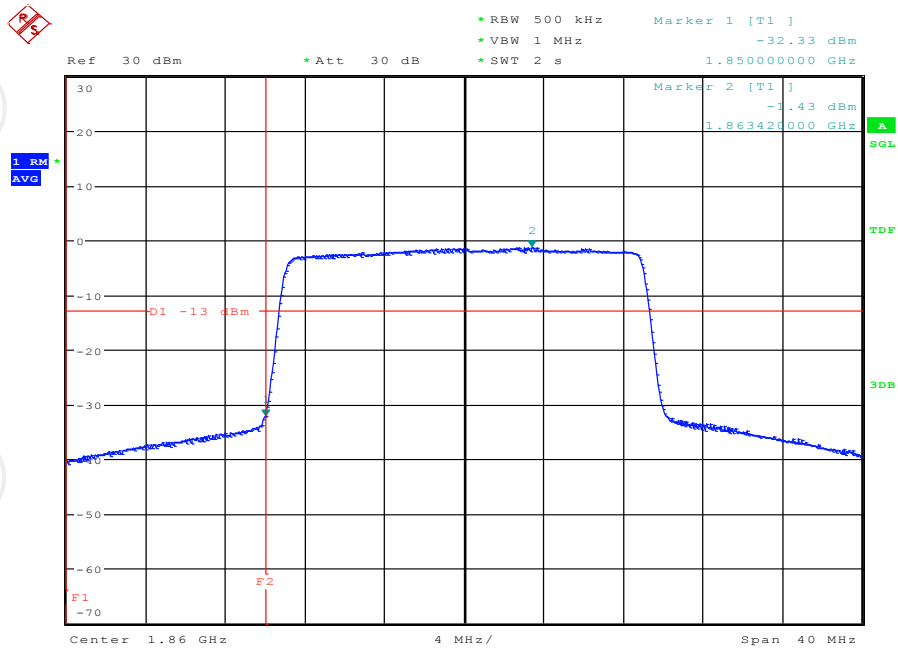
Date: 9.MAY.2017 20:33:24

BAND2-1860MHz,Q16-1RB_HIGH@Pass

Date: 9.MAY.2017 20:33:10

Date: 9.MAY.2017 20:32:58

BAND2-1860MHz,QPSK-100RB_LOW@Pass

Date: 9.MAY.2017 20:32:46

BAND2-1860MHz,QPSK-1RB_HIGH@Pass

Date: 9.MAY.2017 20:32:33
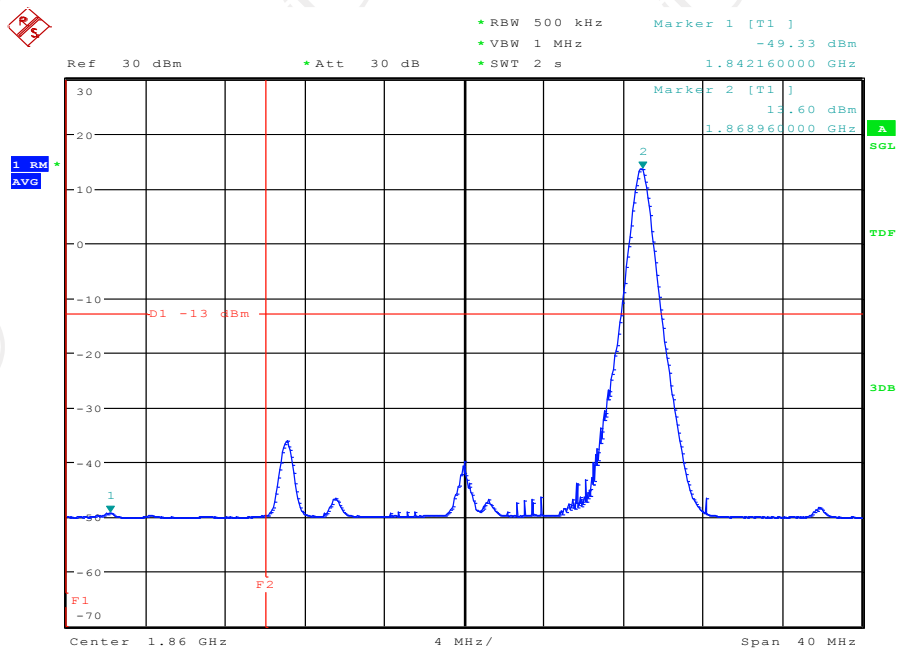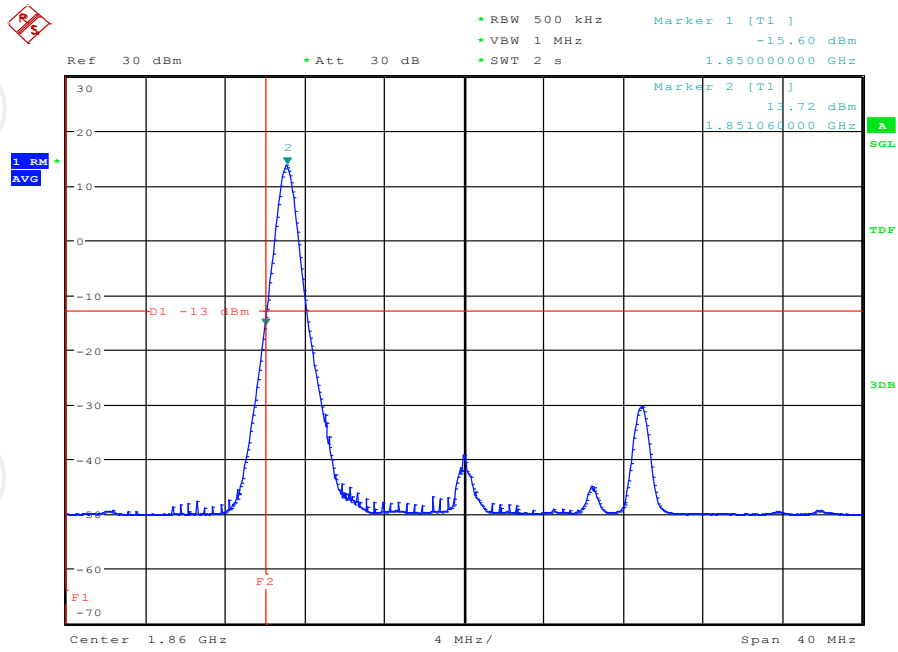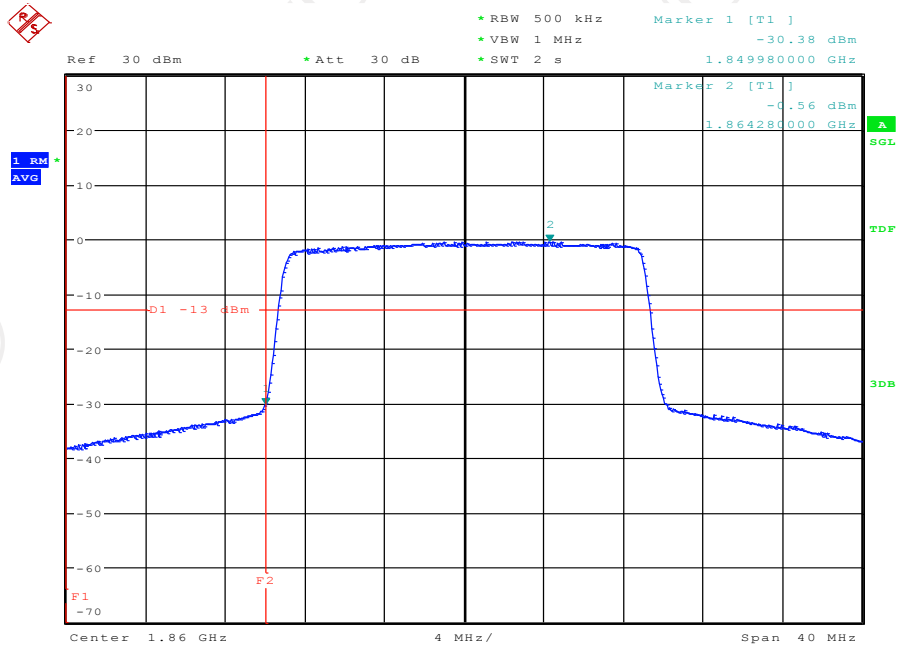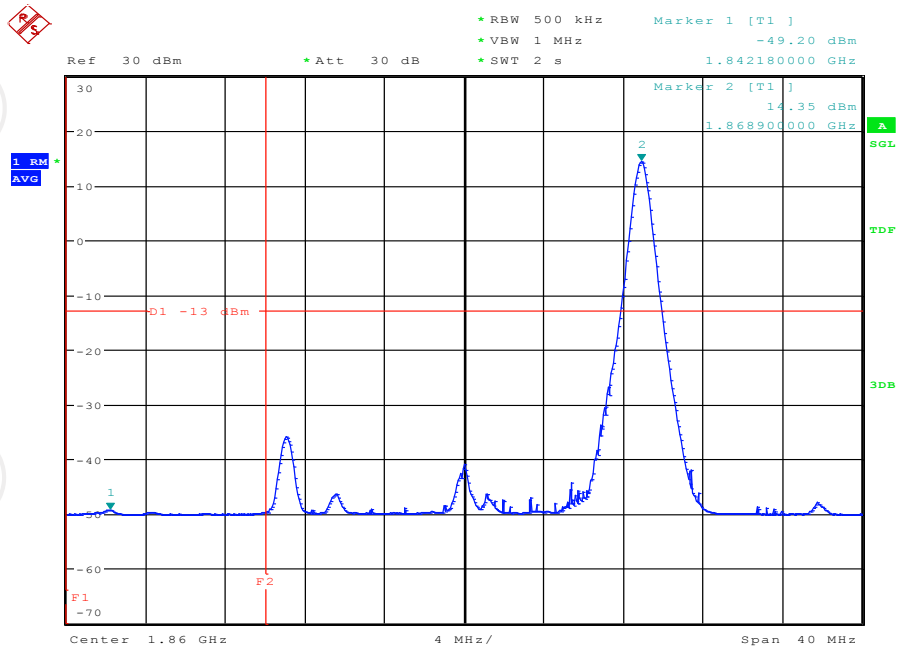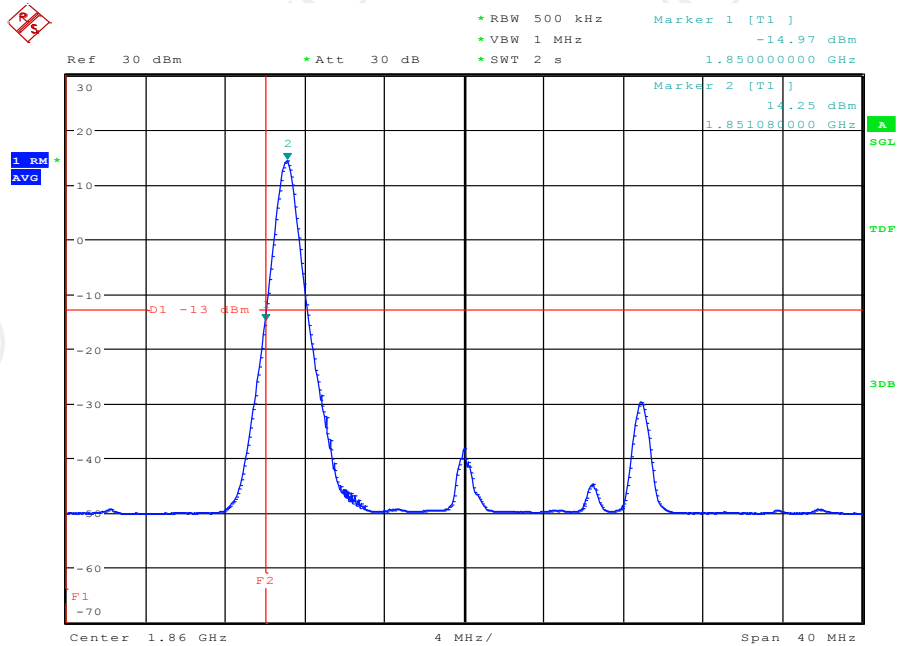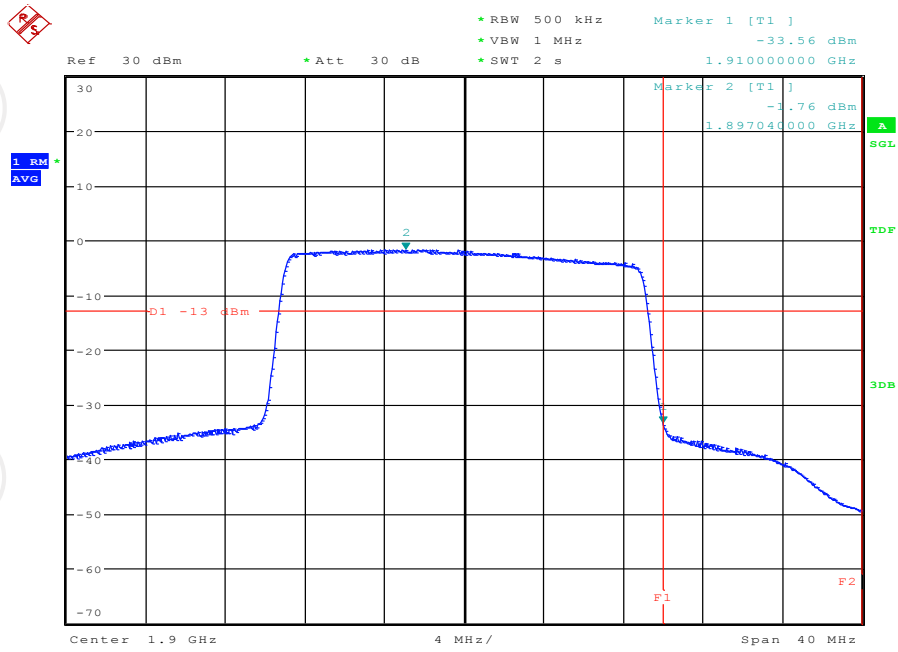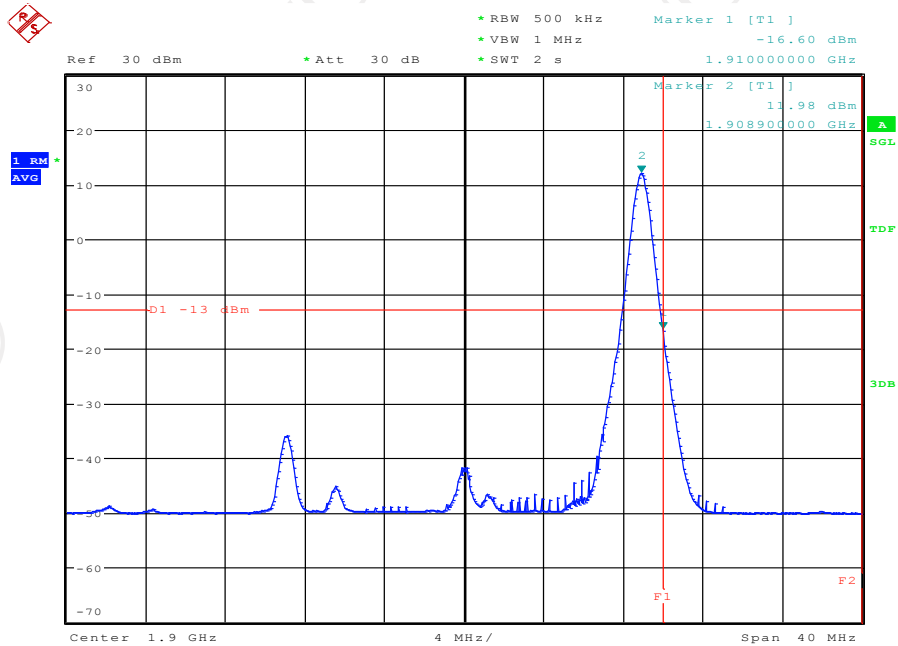
BAND2-1860MHz,QPSK-1RB_LOW@Pass

Date: 9.MAY.2017 20:32:21
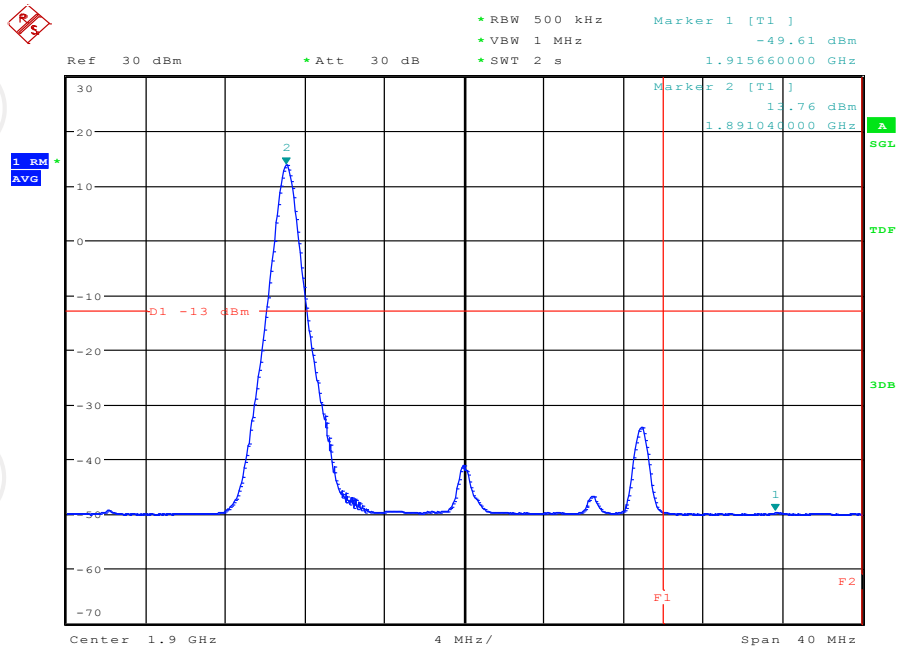
BAND2-1900MHz,Q16-100RB_LOW@Pass

```
                                    * RBW  500 kHz      Marker 1 [T1 ]
                                    * VBW  1 MHz                -33.56 dBm
     Ref  30 dBm        * Att  30 dB  * SWT  2 s        1.910000000 GHz
                                                  Marker 2 [T1 ]
   30                                                   -1.76 dBm
                                                   1.897040000 GHz    A
   20                                                              SGL
1 RM
AVG 10

    0                          2                              TDF

  -10    D1 -13 dBm

  -20

  -30                                                          3DB

  -40

  -50

  -60
                                         F1              F2
  -70
   Center  1.9 GHz           4 MHz/              Span  40 MHz
```

Date: 9.MAY.2017 20:34:40

BAND2-1900MHz,Q16-1RB_HIGH@Pass

```
                                    * RBW  500 kHz      Marker 1 [T1 ]
                                    * VBW  1 MHz                -16.60 dBm
     Ref  30 dBm        * Att  30 dB  * SWT  2 s        1.910000000 GHz
                                                  Marker 2 [T1 ]
   30                                                   11.98 dBm
                                                   1.908900000 GHz    A
   20                                                              SGL
1 RM
AVG 10                                       2

    0                                                          TDF

  -10    D1 -13 dBm

  -20

  -30                                                          3DB

  -40

  -50

  -60
                                         F1              F2
  -70
   Center  1.9 GHz           4 MHz/              Span  40 MHz
```

Date: 9.MAY.2017 20:34:27

Date: 9.MAY.2017 20:34:14
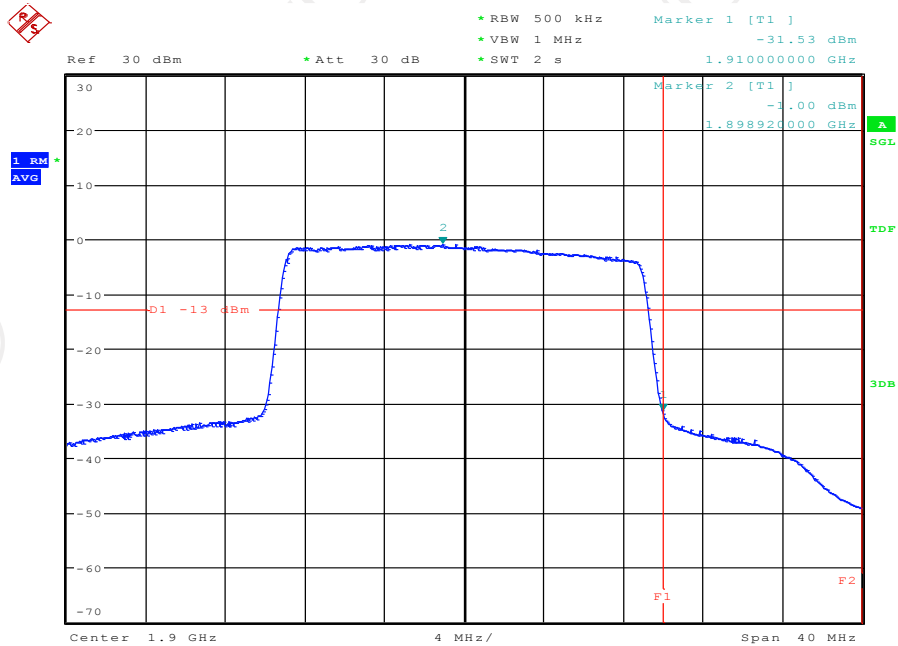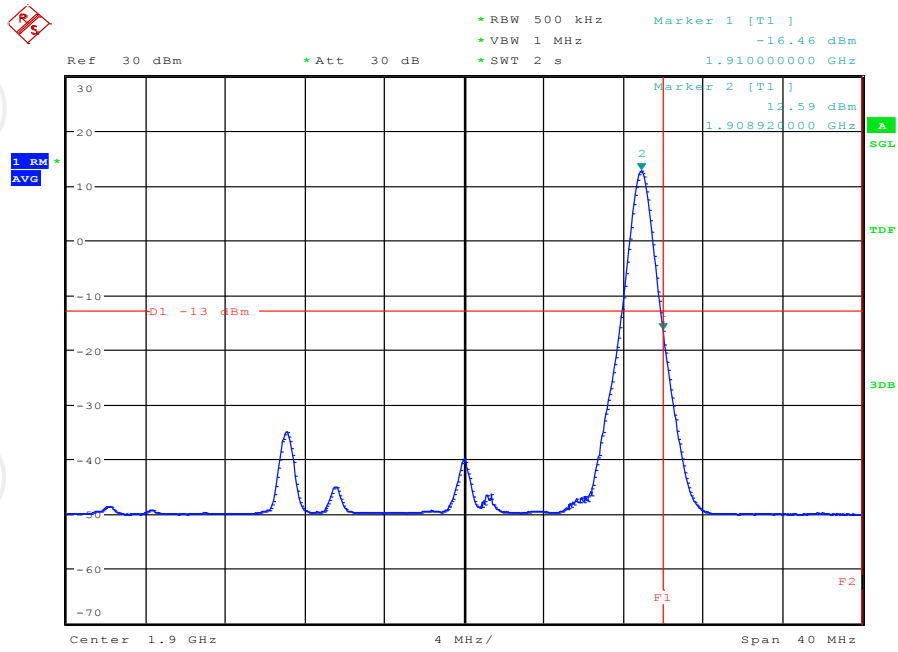
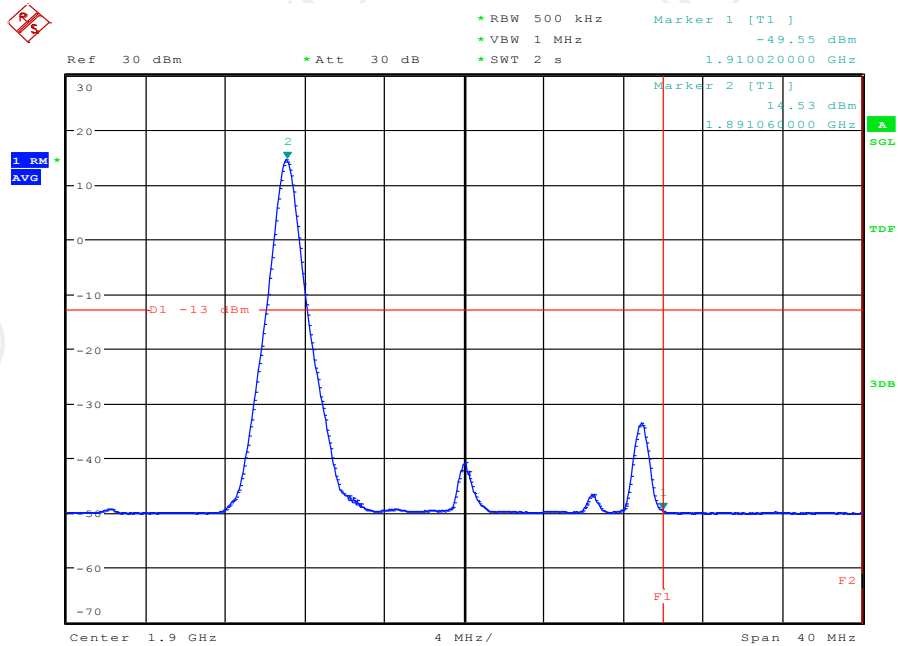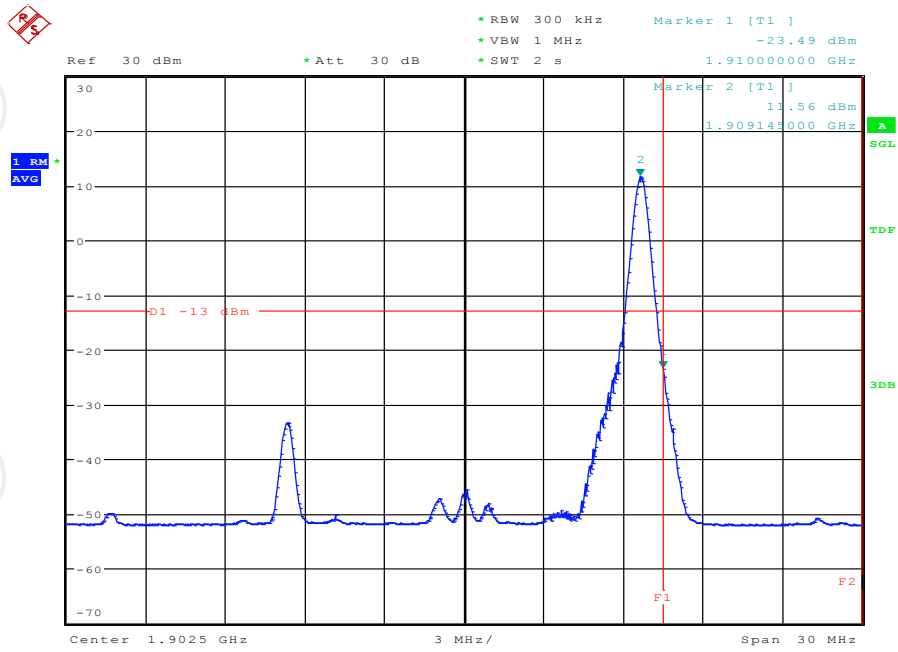BAND2-1900MHz,QPSK-100RB_LOW@Pass

Date: 9.MAY.2017 20:34:02

BAND2-1900MHz,QPSK-1RB_HIGH@Pass
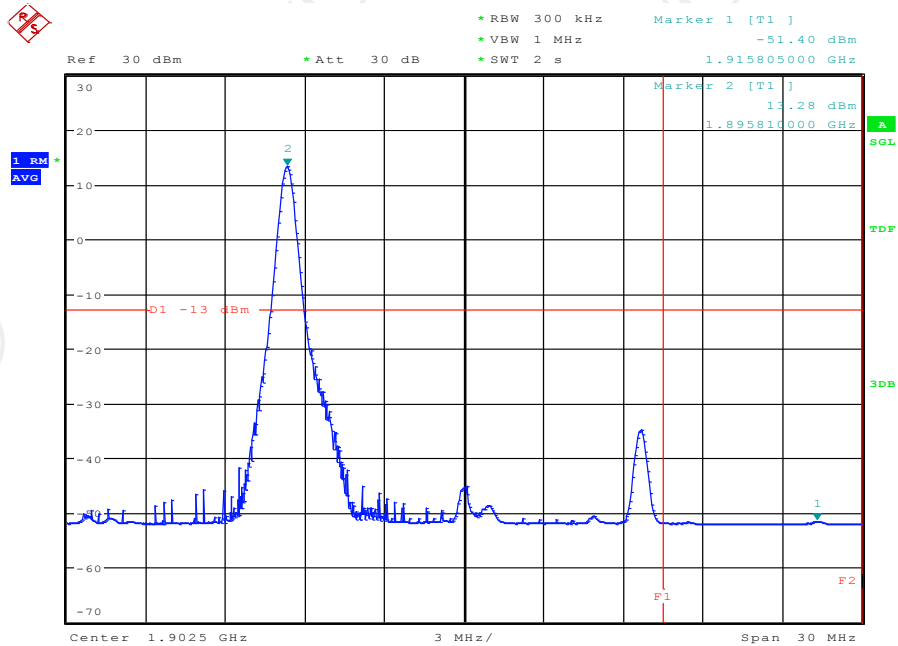

Date: 9.MAY.2017 20:33:49

BAND2-1900MHz,QPSK-1RB_LOW@Pass

Date: 9.MAY.2017 20:33:37

Date: 9.MAY.2017 20:31:52
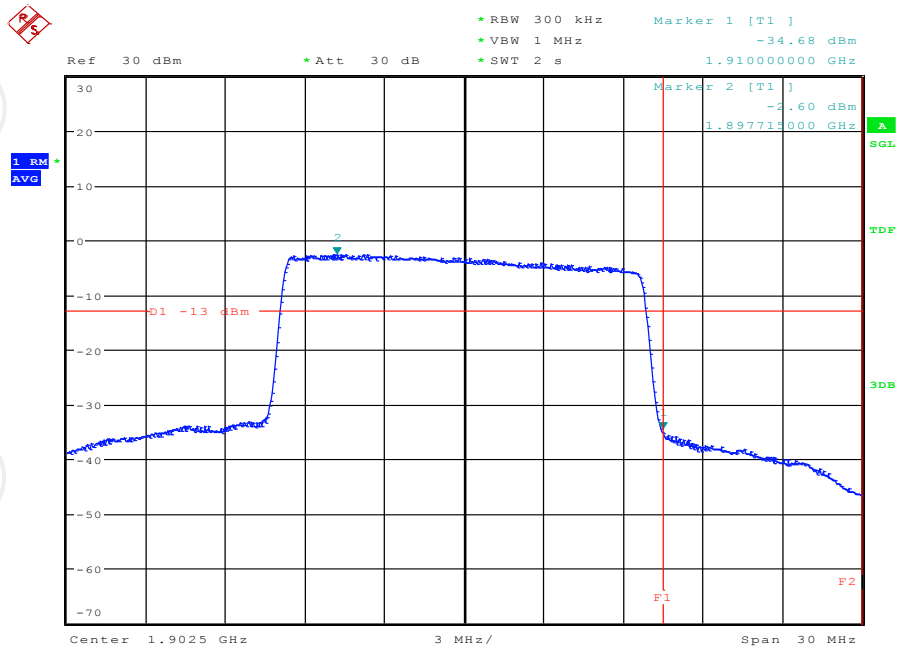
BAND2-1902.5MHz,Q16-1RB_LOW@Pass

Date: 9.MAY.2017 20:31:40

BAND2-1902.5MHz,Q16-75RB_LOW@Pass

```
R&S
                                          * RBW  300 kHz      Marker 1 [T1 ]
                                          * VBW  1 MHz              -34.68 dBm
          Ref  30 dBm        * Att  30 dB * SWT  2 s          1.910000000 GHz
                                                          Marker 2 [T1 ]
           30                                                     -2.60 dBm
                                                              1.897715000 GHz  A
           20                                                                  SGL
1 RM *
AVG        10
                                                                               TDF
            0                    2
D1 -13 dBm
          -10                                                                  3DB
          -20
          -30
          -40
          -50
          -60                                              F1              F2
          -70
          Center  1.9025 GHz             3 MHz/              Span  30 MHz
```

Date: 9.MAY.2017 20:32:05

BAND2-1902.5MHz,QPSK-1RB_HIGH@Pass

```
R&S
                                          * RBW  300 kHz      Marker 1 [T1 ]
                                          * VBW  1 MHz              -23.04 dBm
          Ref  30 dBm        * Att  30 dB * SWT  2 s          1.910015000 GHz
                                                          Marker 2 [T1 ]
           30                                                     12.30 dBm
           20                                                 1.909160000 GHz  A
                                                                               SGL
1 RM *
AVG        10                                      2
                                                                               TDF
            0
D1 -13 dBm
          -10                                                                  3DB
          -20
          -30
          -40
          -50
          -60                                              F1              F2
          -70
          Center  1.9025 GHz             3 MHz/              Span  30 MHz
```
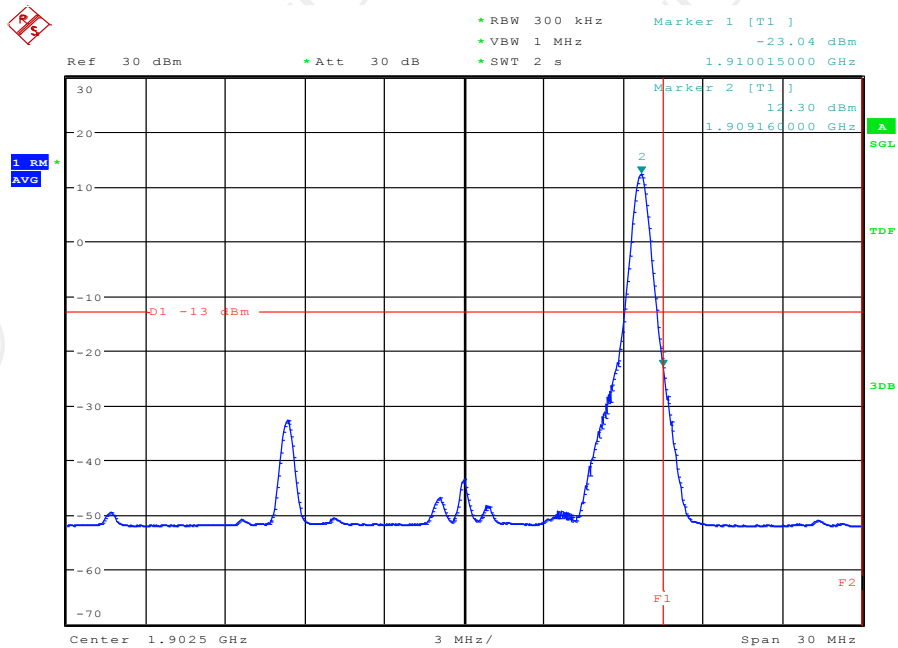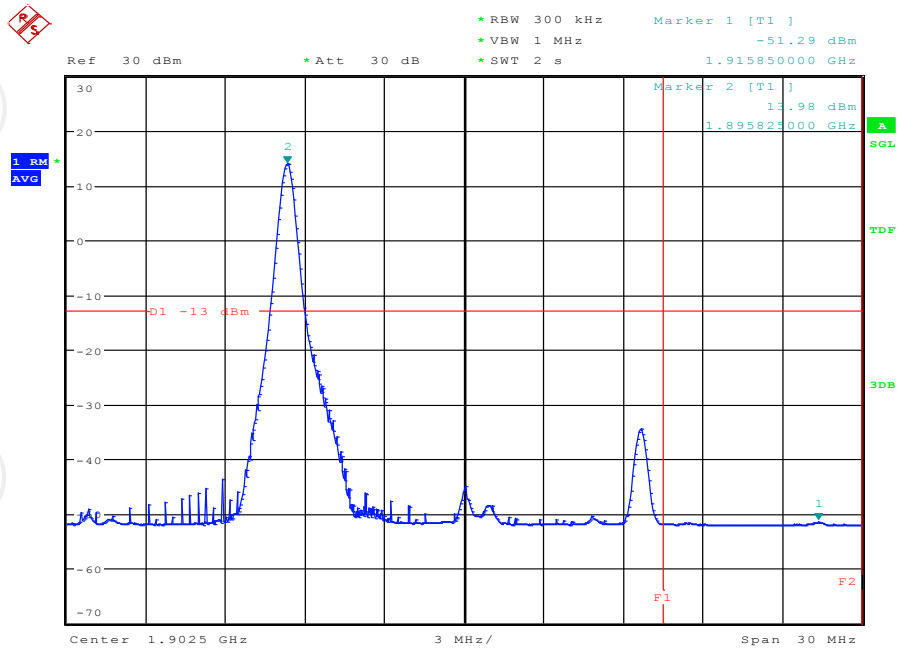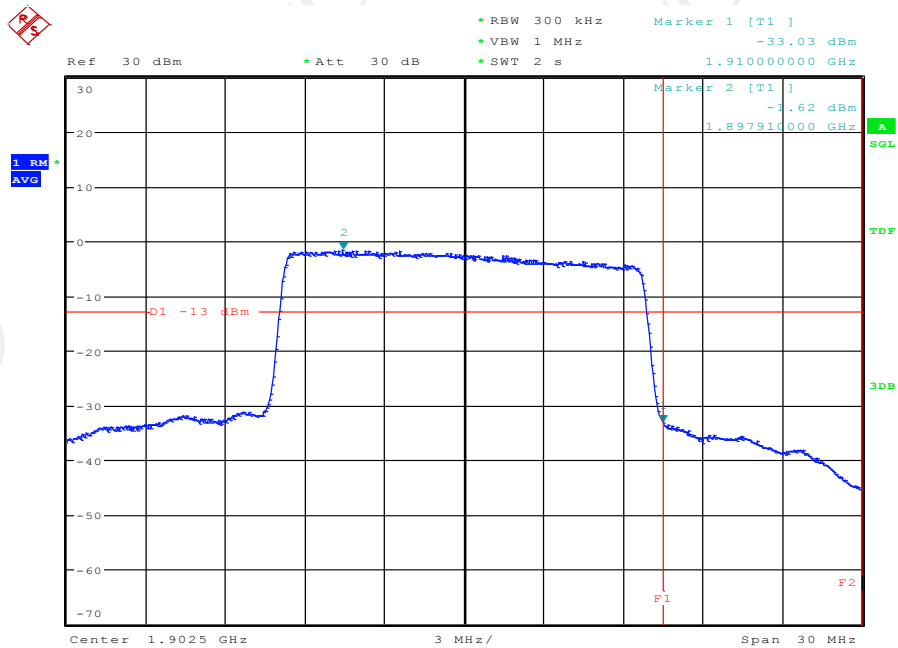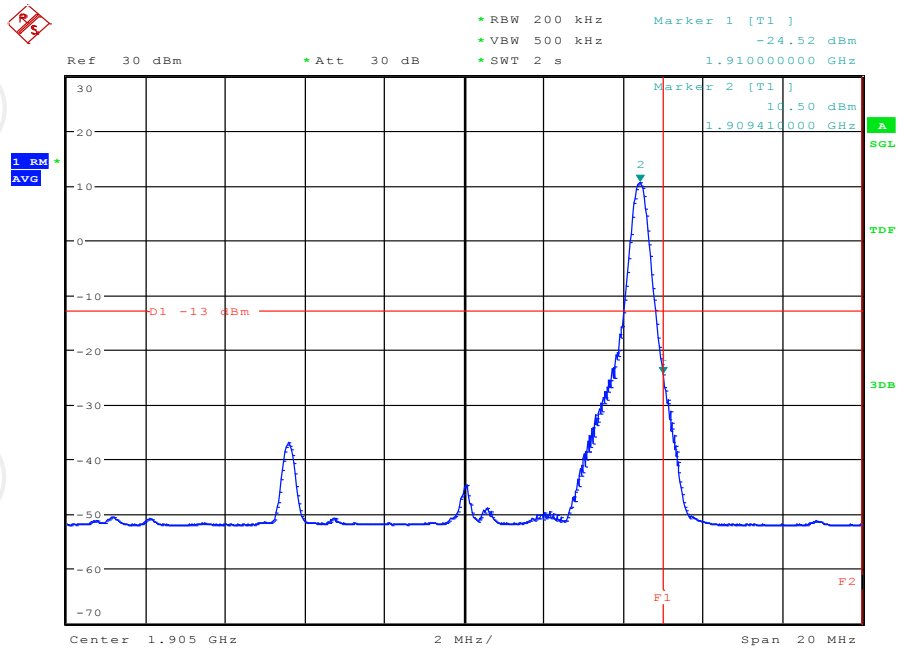
Date: 9.MAY.2017 20:31:15

BAND2-1902.5MHz,QPSK-1RB_LOW@Pass

Date: 9.MAY.2017 20:31:02

BAND2-1902.5MHz,QPSK-75RB_LOW@Pass

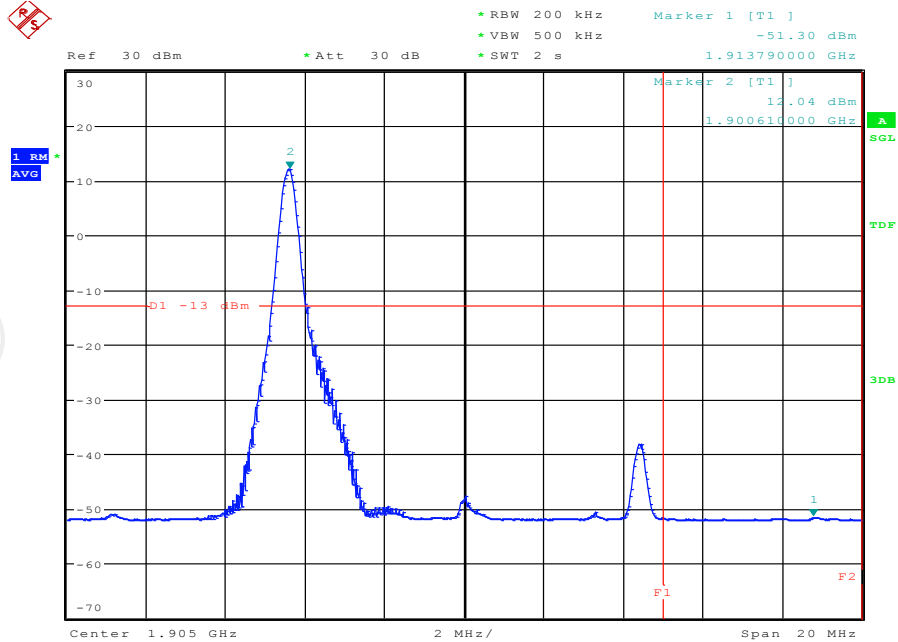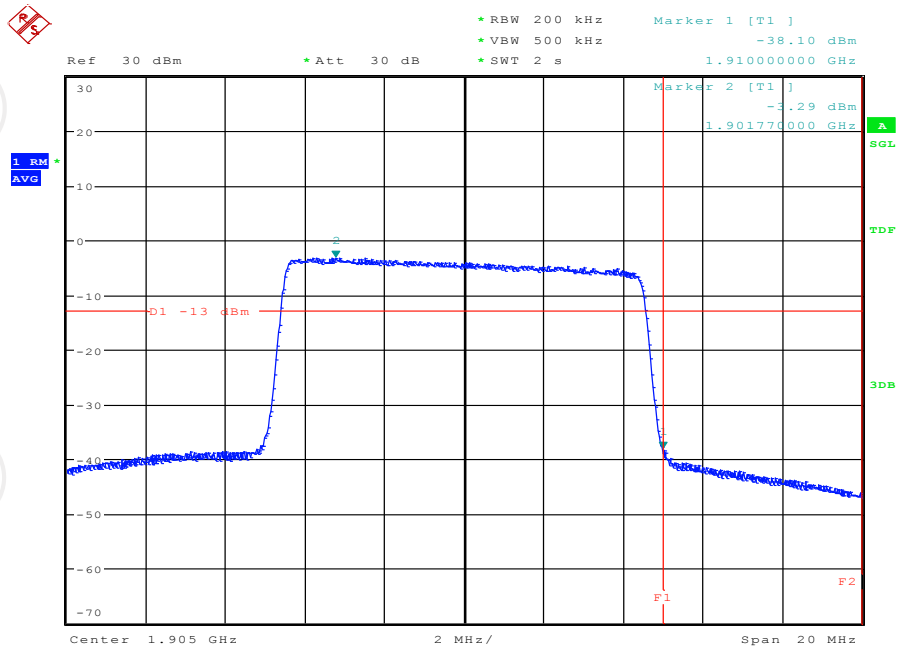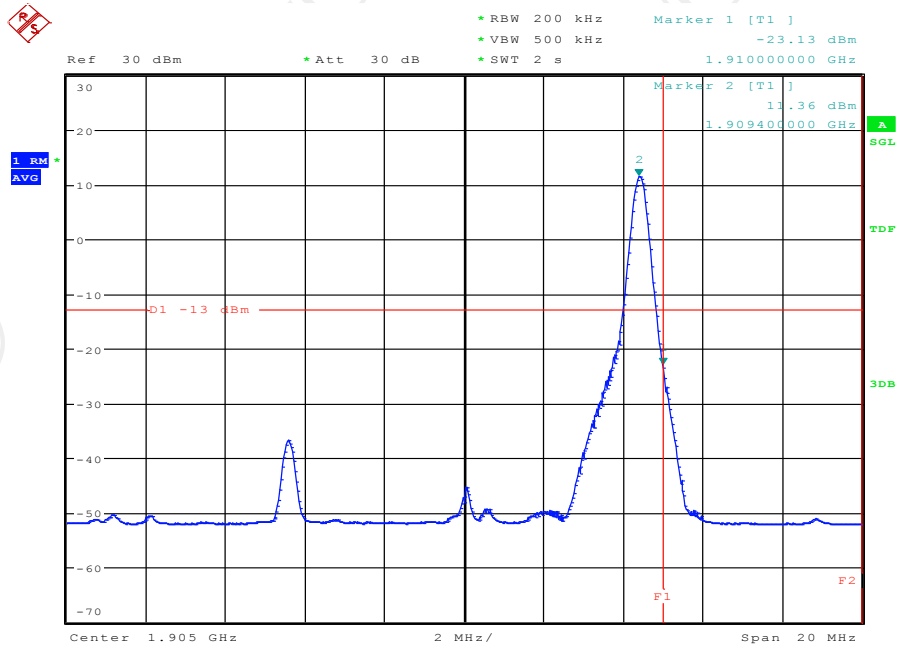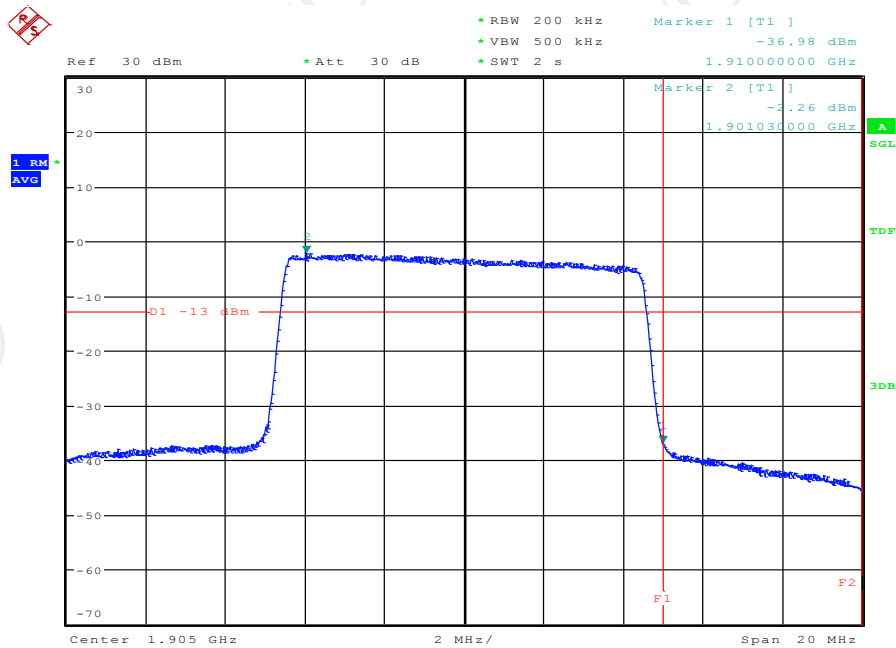Date: 9.MAY.2017 20:31:28

BAND2-1905MHz,Q16-1RB_HIGH@Pass


```
                                          * RBW  200 kHz    Marker 1 [T1 ]
                                          * VBW  500 kHz              -24.52 dBm
     Ref  30 dBm          * Att  30 dB    * SWT  2 s          1.910000000 GHz
                                                         Marker 2 [T1 ]
  30                                                           10.50 dBm
                                                           1.909410000 GHz   A
  -20                                                                        SGL
1 RM *
AVG                                                      2
  -10                                                                        TDF
  -0
  --10
        D1 -13 dBm                                                           3DB
  --20
  --30
  --40
  --50
  --60                                                    F1            F2
  --70
  Center  1.905 GHz            2 MHz/                Span  20 MHz
```

Date: 9.MAY.2017 20:29:21

BAND2-1905MHz,Q16-1RB_LOW@Pass


```
                                          * RBW  200 kHz    Marker 1 [T1 ]
                                          * VBW  500 kHz              -51.30 dBm
     Ref  30 dBm          * Att  30 dB    * SWT  2 s          1.913790000 GHz
                                                         Marker 2 [T1 ]
  30                                                           12.04 dBm
                                                           1.900610000 GHz   A
  -20                                                                        SGL
1 RM *                                       2
AVG
                                                                             TDF
  -0
  --10
        D1 -13 dBm                                                           3DB
  --20
  --30
  --40
  --50                                                                  1
  --60                                                    F1            F2
  --70
  Center  1.905 GHz            2 MHz/                Span  20 MHz
```

Date: 9.MAY.2017 20:29:10

BAND2-1905MHz,Q16-50RB_LOW@Pass

Date: 9.MAY.2017 20:29:31

BAND2-1905MHz,QPSK-1RB_HIGH@Pass

Date: 9.MAY.2017 20:28:49
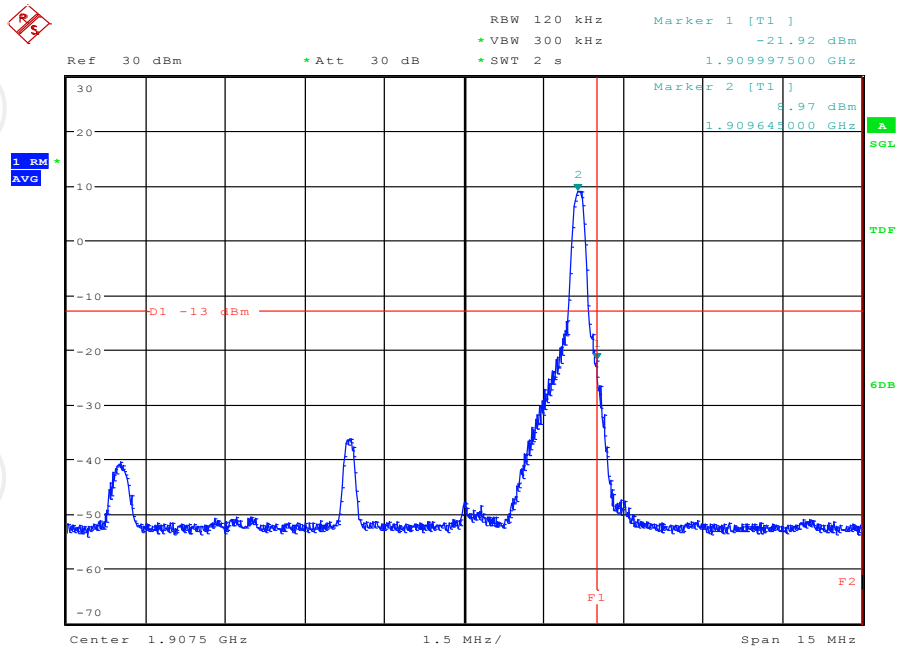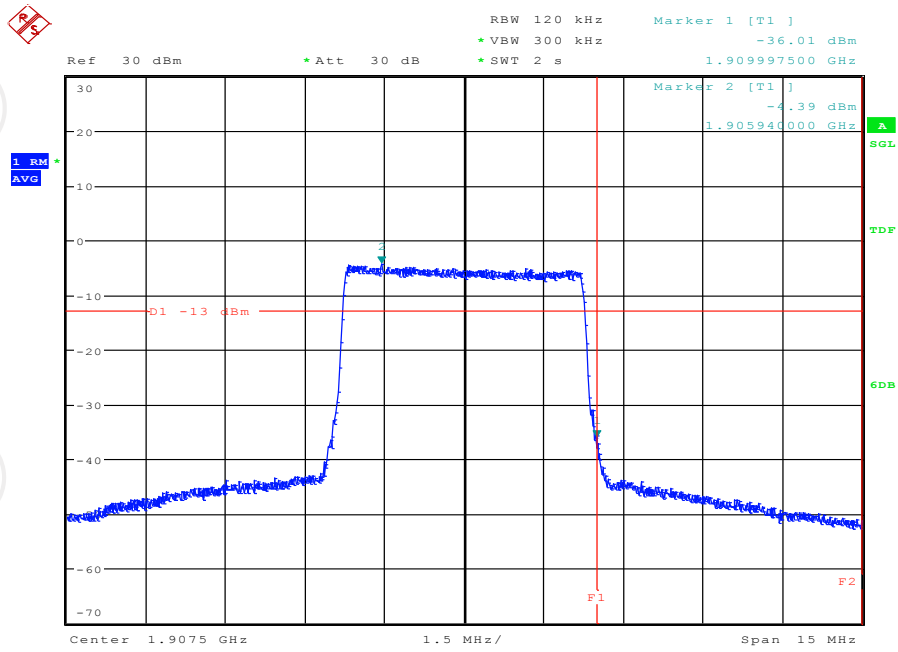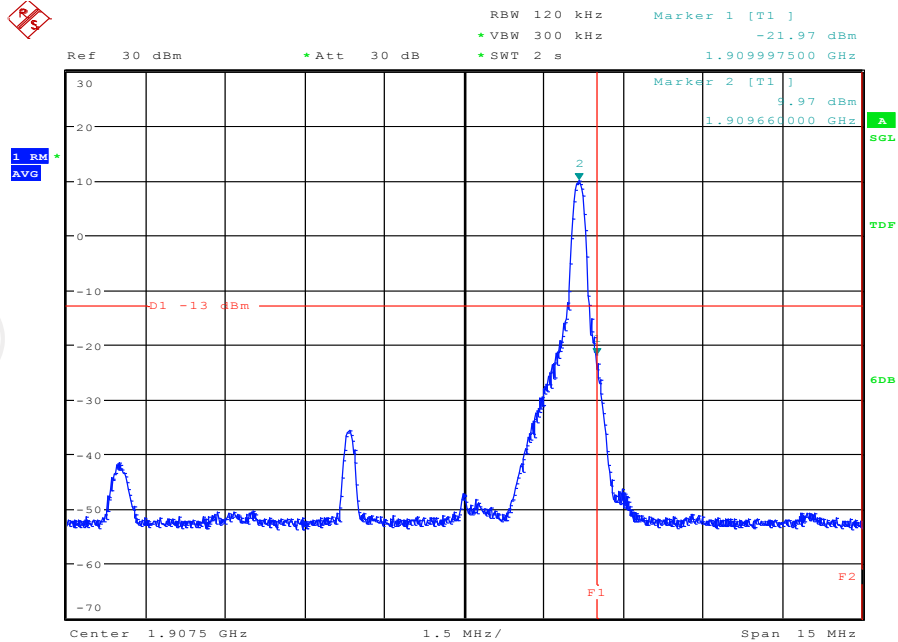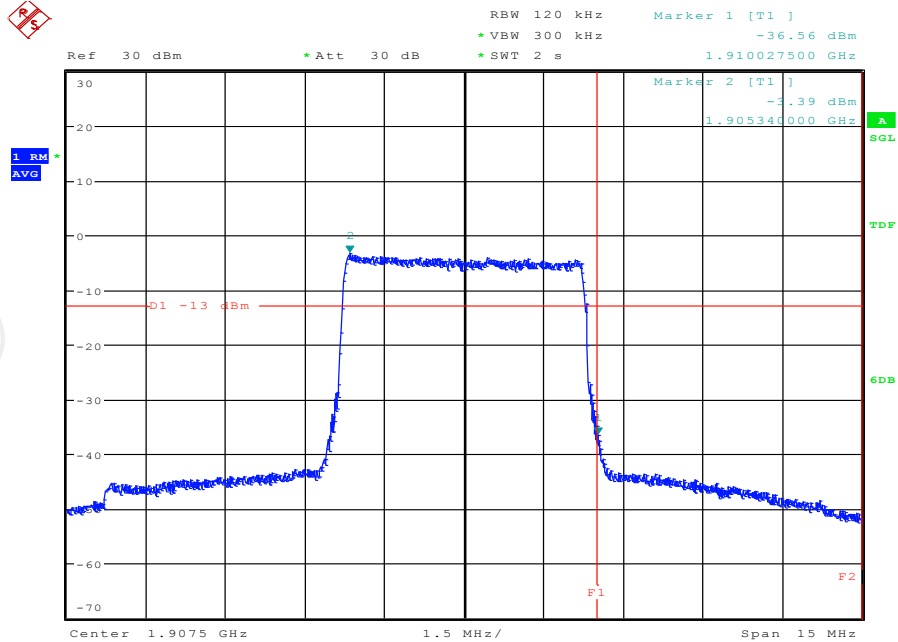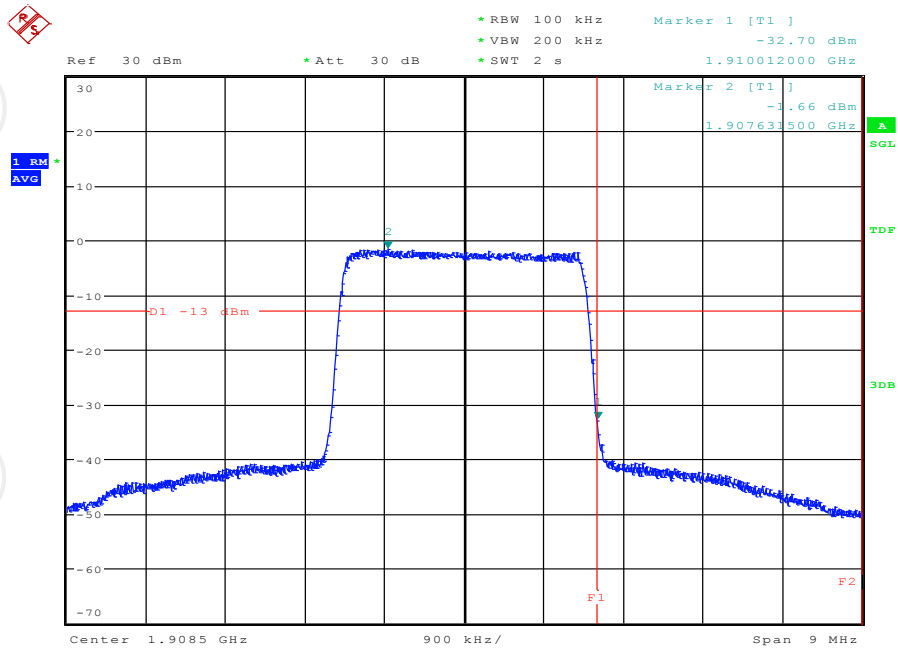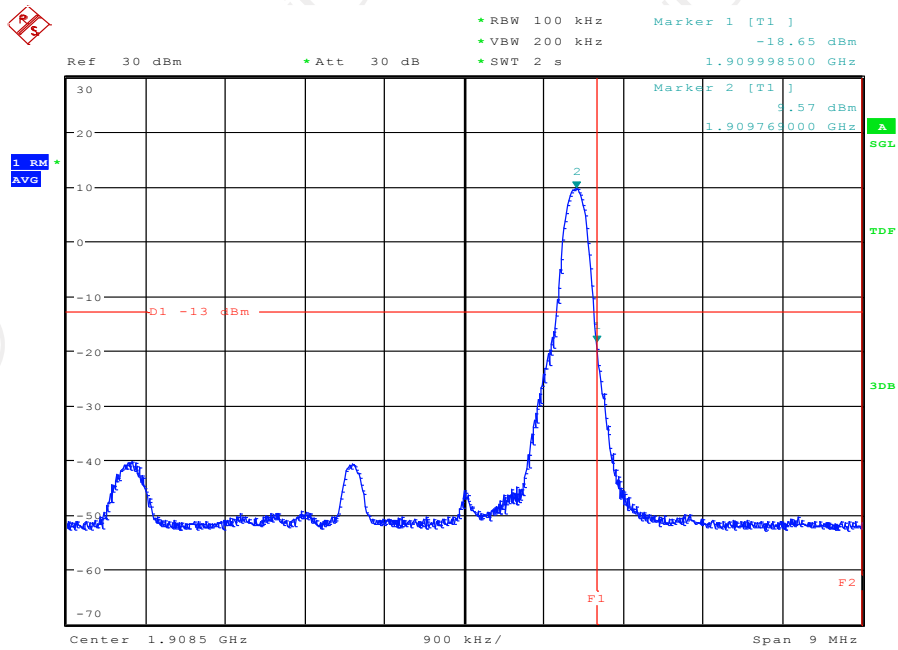
BAND2-1905MHz,QPSK-1RB_LOW@Pass


```
* RBW  200 kHz        Marker 1 [T1 ]
* VBW  500 kHz                    -51.30 dBm
Ref  30 dBm        * Att  30 dB   * SWT  2 s      1.913830000 GHz
                                  Marker 2 [T1 ]
                                             12.93 dBm
                                             1.900600000 GHz
```
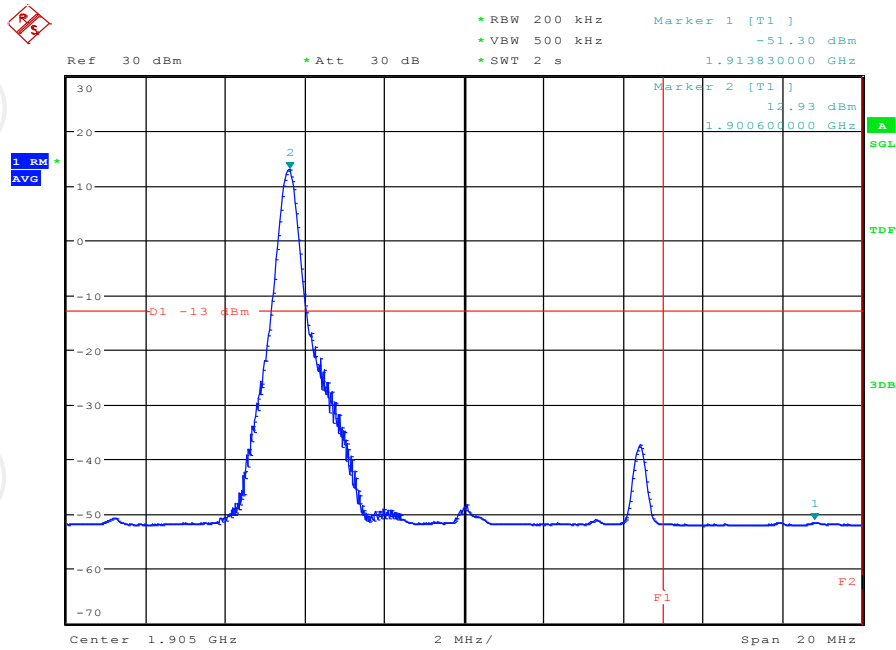
Date: 9.MAY.2017 20:28:39

BAND2-1905MHz,QPSK-50RB_LOW@Pass


```
* RBW  200 kHz        Marker 1 [T1 ]
* VBW  500 kHz                    -36.98 dBm
Ref  30 dBm        * Att  30 dB   * SWT  2 s      1.910000000 GHz
                                  Marker 2 [T1 ]
                                             -2.26 dBm
                                             1.901030000 GHz
```

Date: 9.MAY.2017 20:29:00

BAND2-1907.5MHz,Q16-1RB_HIGH@Pass

Date: 9.MAY.2017 20:27:11

BAND2-1907.5MHz,Q16-1RB_LOW@Pass
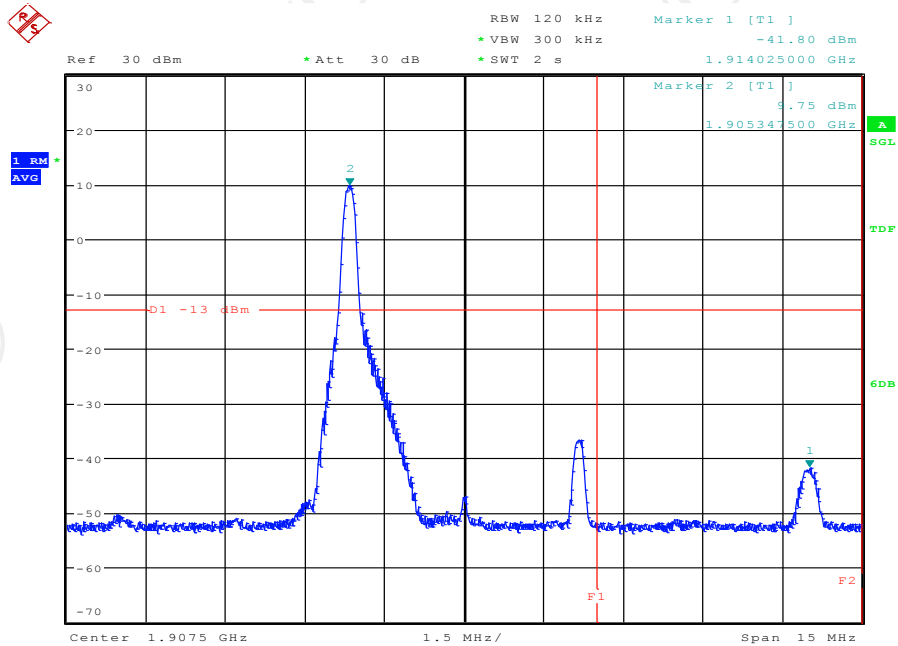
Date: 9.MAY.2017 20:27:01

BAND2-1907.5MHz,Q16-25RB_LOW@Pass

Date: 9.MAY.2017 20:27:22

BAND2-1907.5MHz,QPSK-1RB_HIGH@Pass

Date: 9.MAY.2017 20:26:40

BAND2-1907.5MHz,QPSK-1RB_LOW@Pass
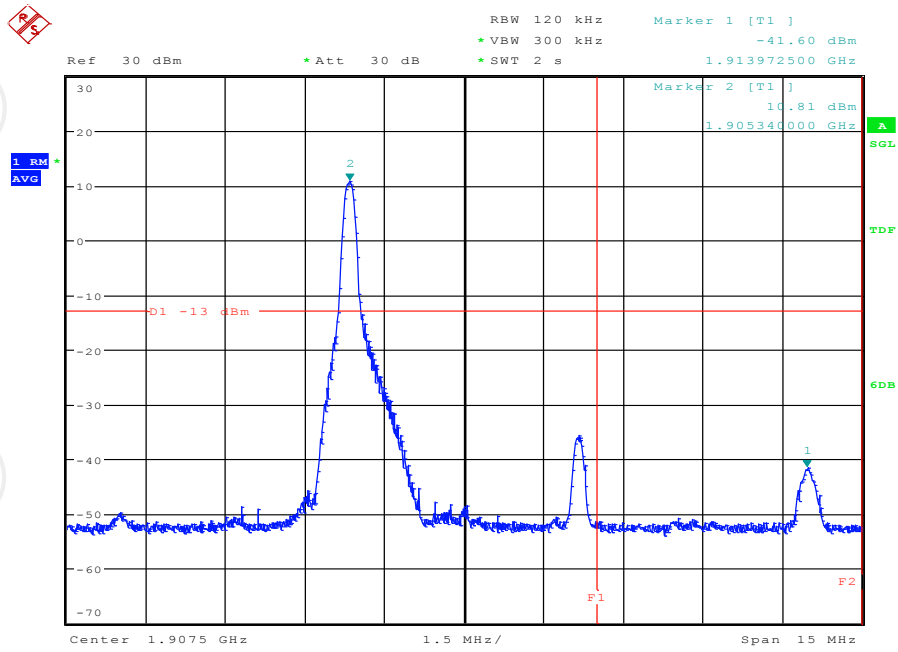
Date: 9.MAY.2017 20:26:30

BAND2-1907.5MHz,QPSK-25RB_LOW@Pass

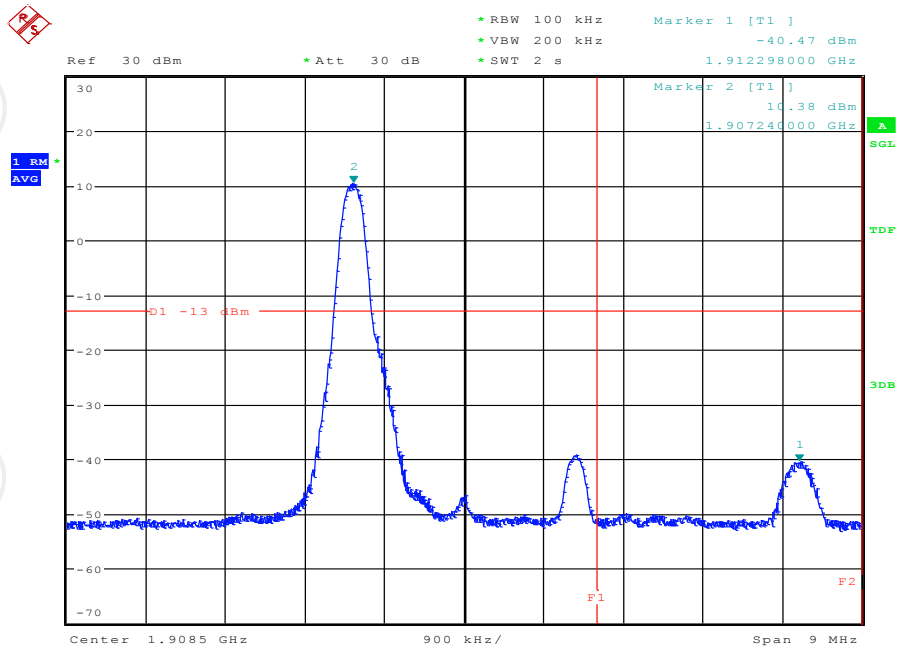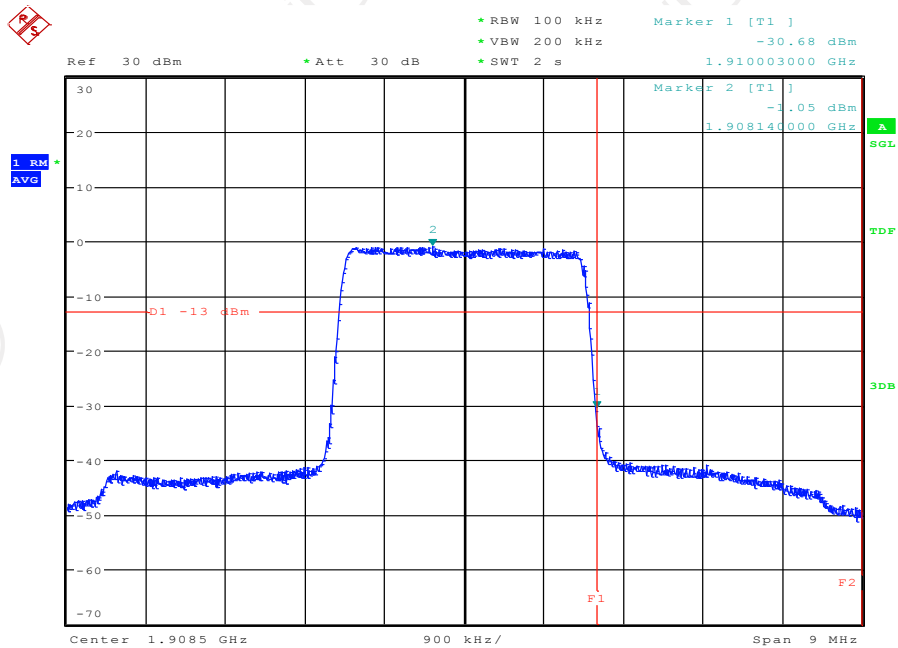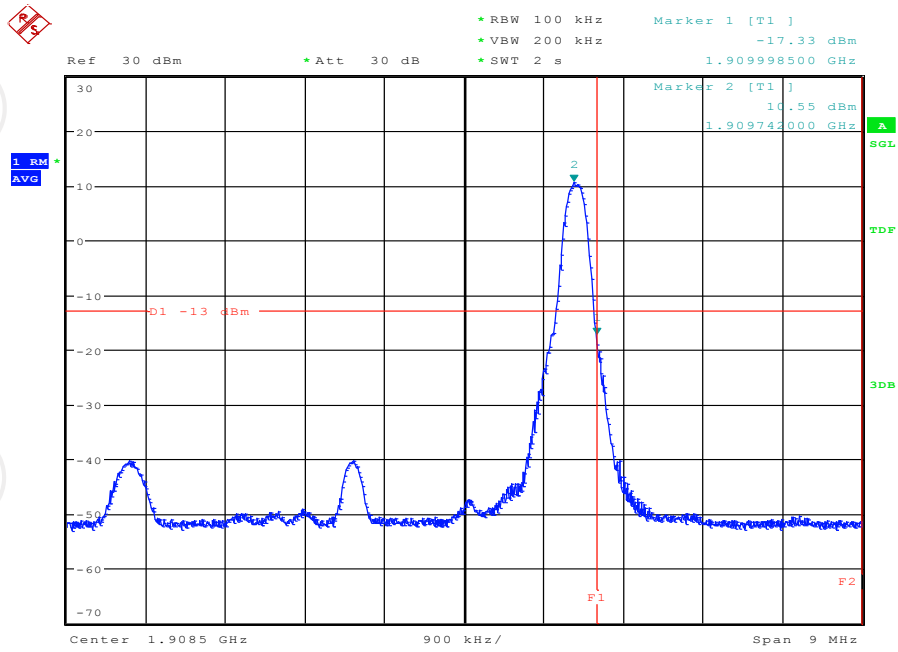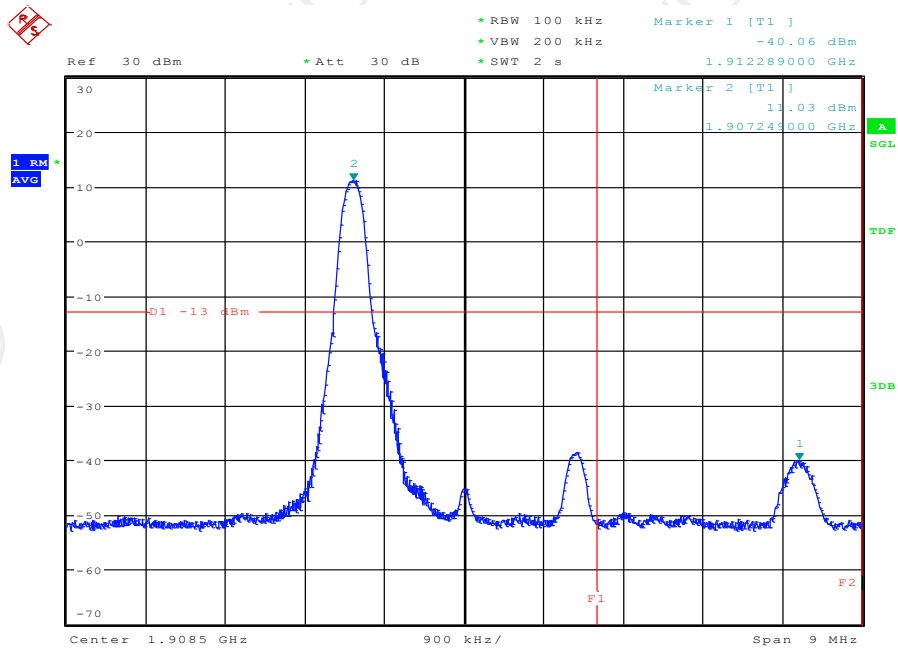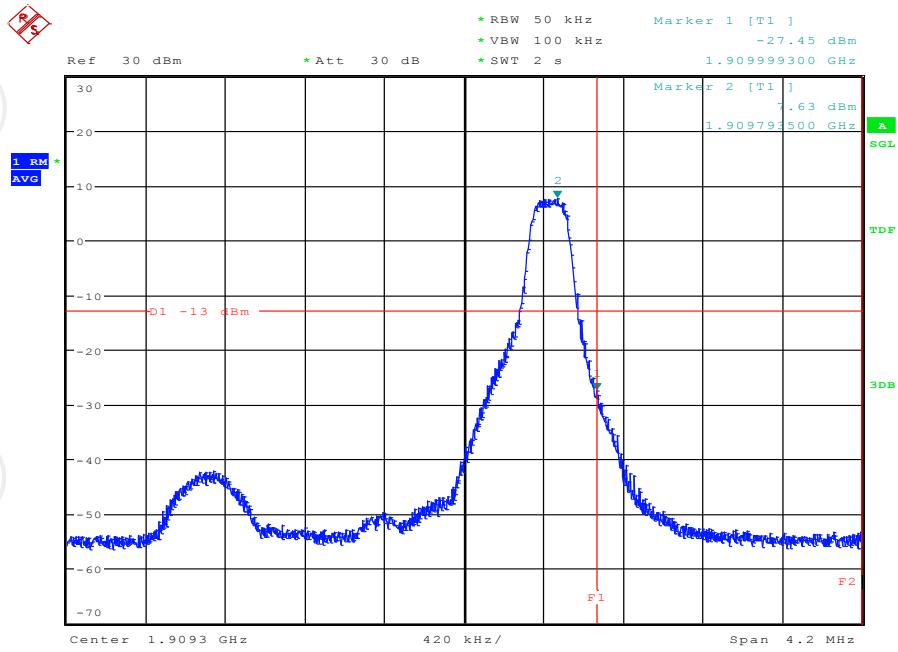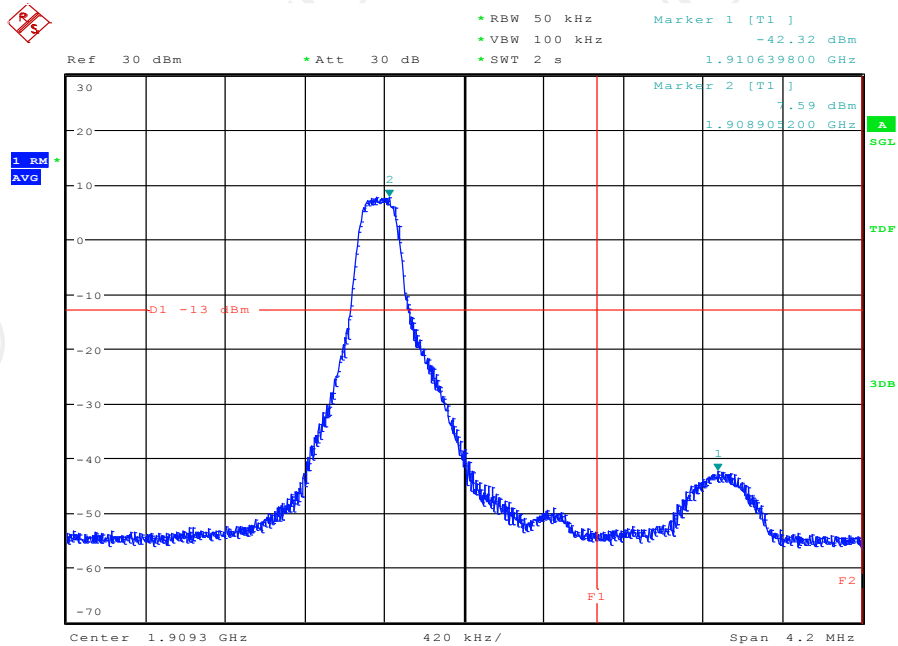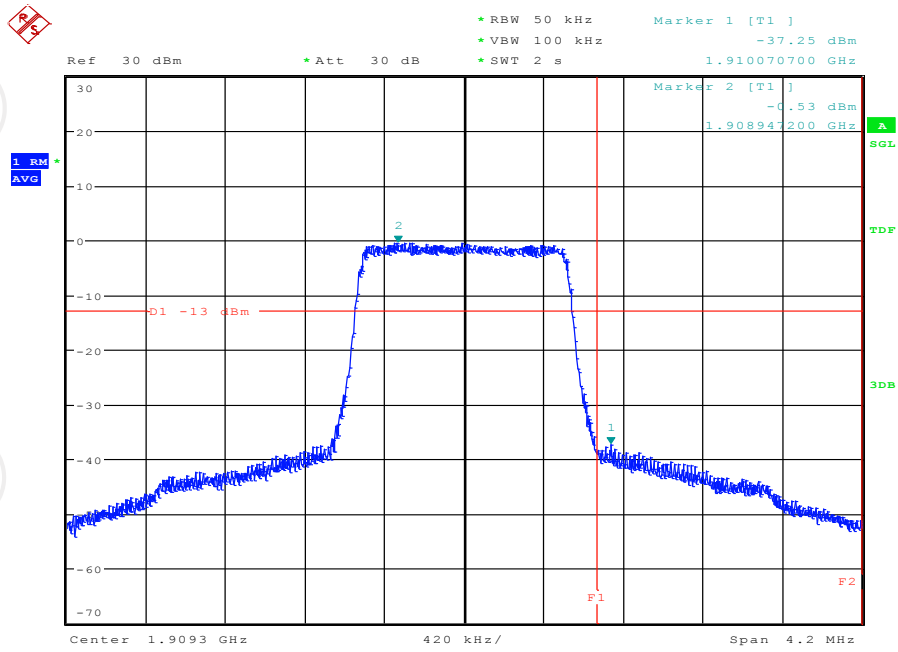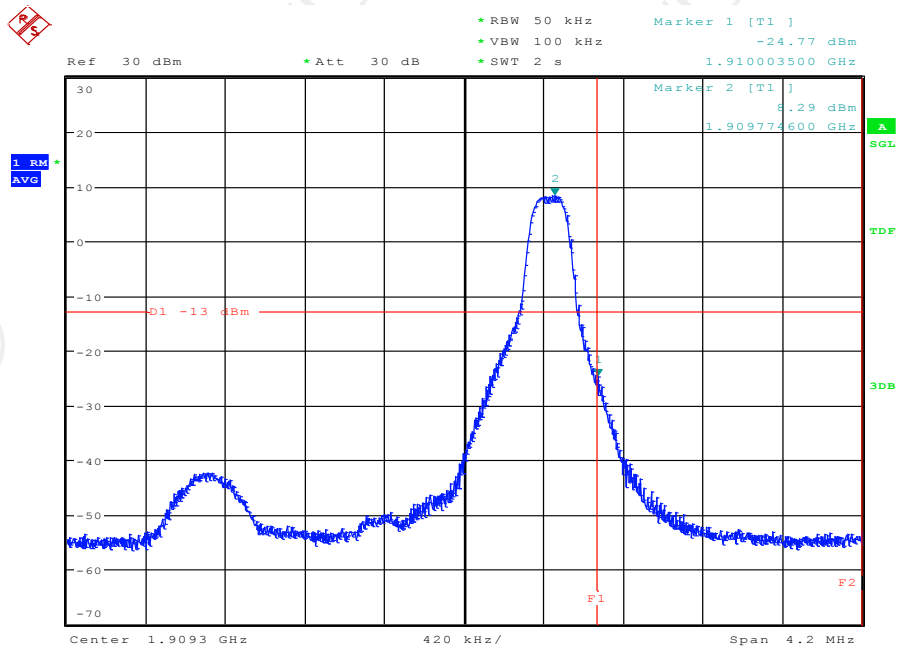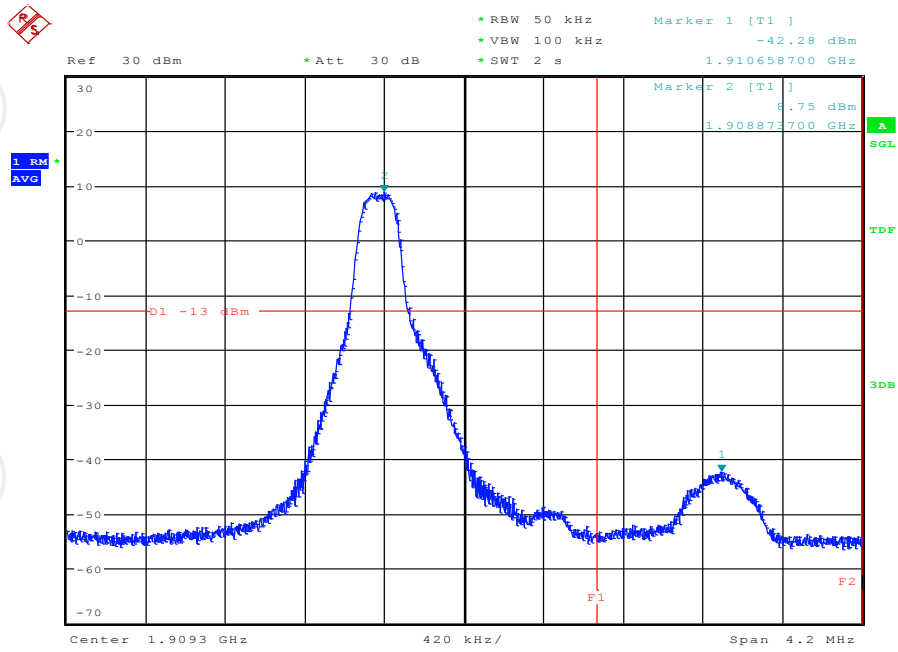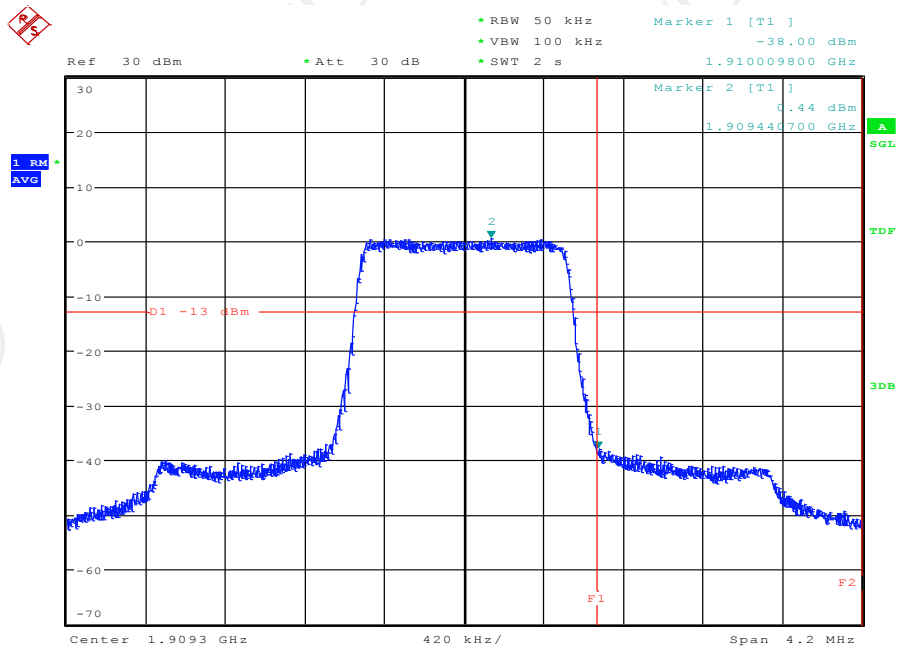Date: 9.MAY.2017 20:26:51

BAND2-1908.5MHz,Q16-15RB_LOW@Pass


```
                                    * RBW 100 kHz      Marker 1 [T1 ]
                                    * VBW 200 kHz            -32.70 dBm
Ref  30 dBm      * Att  30 dB  * SWT 2 s           1.910012000 GHz
                                                  Marker 2 [T1 ]
                                                        -1.66 dBm
                                                  1.907631500 GHz
```

Date: 9.MAY.2017 20:25:15

BAND2-1908.5MHz,Q16-1RB_HIGH@Pass


```
                                    * RBW 100 kHz      Marker 1 [T1 ]
                                    * VBW 200 kHz            -18.65 dBm
Ref  30 dBm      * Att  30 dB  * SWT 2 s           1.909998500 GHz
                                                  Marker 2 [T1 ]
                                                        9.57 dBm
                                                  1.909769000 GHz
```

Date: 9.MAY.2017 20:25:05

BAND2-1908.5MHz,Q16-1RB_LOW@Pass


```
* RBW 100 kHz          Marker 1 [T1 ]
* VBW 200 kHz                   -40.47 dBm
Ref 30 dBm      * Att 30 dB   * SWT 2 s    1.912298000 GHz
                               Marker 2 [T1 ]
30                                      10.38 dBm
                                        1.907240000 GHz   A
20                                                        SGL
1 RM *
AVG
10                                                        TDF
0
-10  D1 -13 dBm
-20                                                       3DB
-30
-40                                                  1
-50
-60                            F1                         F2
-70
Center 1.9085 GHz        900 kHz/            Span 9 MHz
```

Date: 9.MAY.2017 20:24:55

BAND2-1908.5MHz,QPSK-15RB_LOW@Pass


```
* RBW 100 kHz          Marker 1 [T1 ]
* VBW 200 kHz                   -30.68 dBm
Ref 30 dBm      * Att 30 dB   * SWT 2 s    1.910003000 GHz
                               Marker 2 [T1 ]
30                                      -1.05 dBm
                                        1.908140000 GHz   A
20                                                        SGL
1 RM *
AVG
10                                                        TDF
0          2
-10  D1 -13 dBm
-20                                                       3DB
-30
-40
-50
-60                            F1                         F2
-70
Center 1.9085 GHz        900 kHz/            Span 9 MHz
```

Date: 9.MAY.2017 20:24:44

BAND2-1908.5MHz,QPSK-1RB_HIGH@Pass

Date: 9.MAY.2017 20:24:32

BAND2-1908.5MHz,QPSK-1RB_LOW@Pass

Date: 9.MAY.2017 20:24:22

Date: 9.MAY.2017 20:22:50

BAND2-1909.3MHz,Q16-1RB_LOW@Pass

Date: 9.MAY.2017 20:22:39

BAND2-1909.3MHz,Q16-6RB_LOW@Pass

Date: 9.MAY.2017 20:23:01

BAND2-1909.3MHz,QPSK-1RB_HIGH@Pass

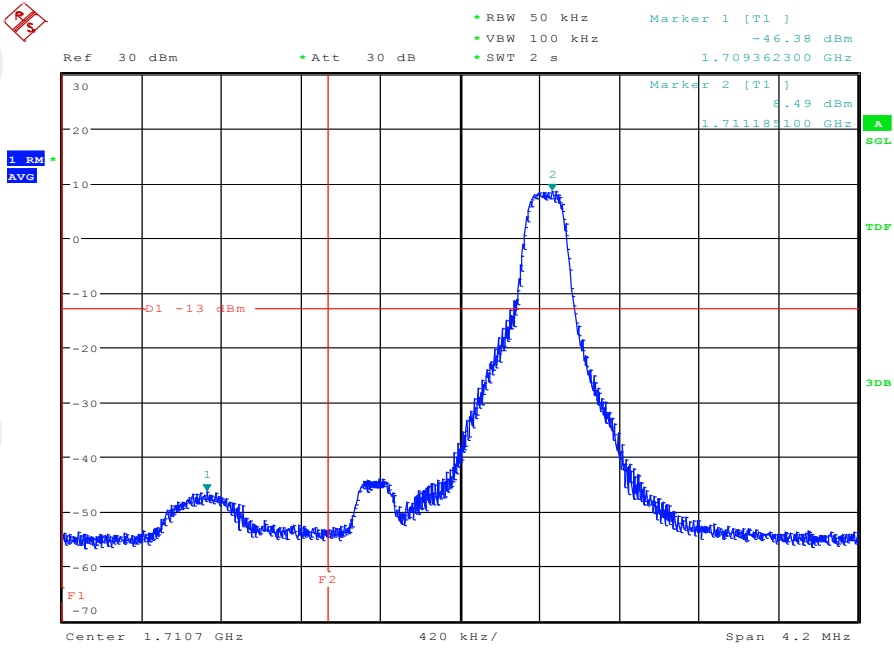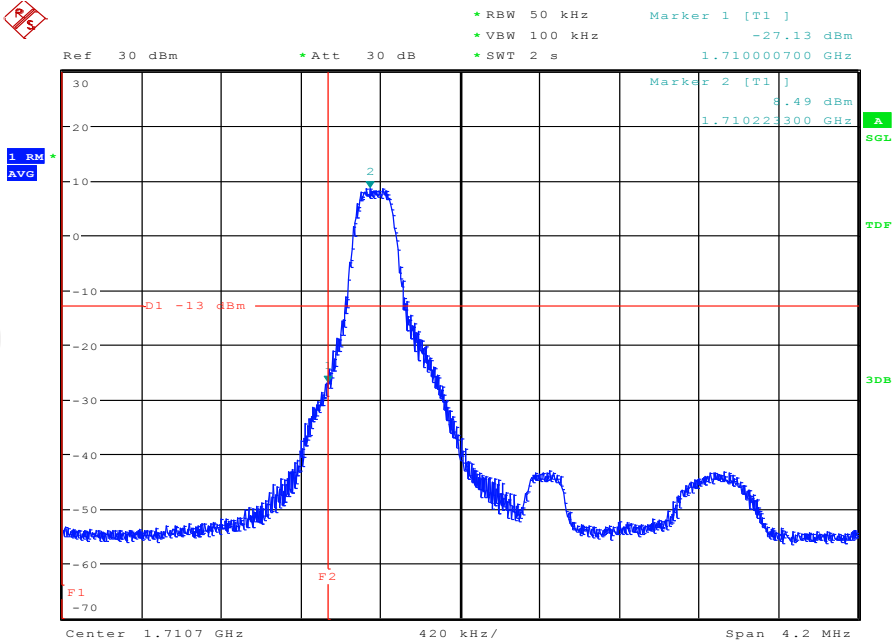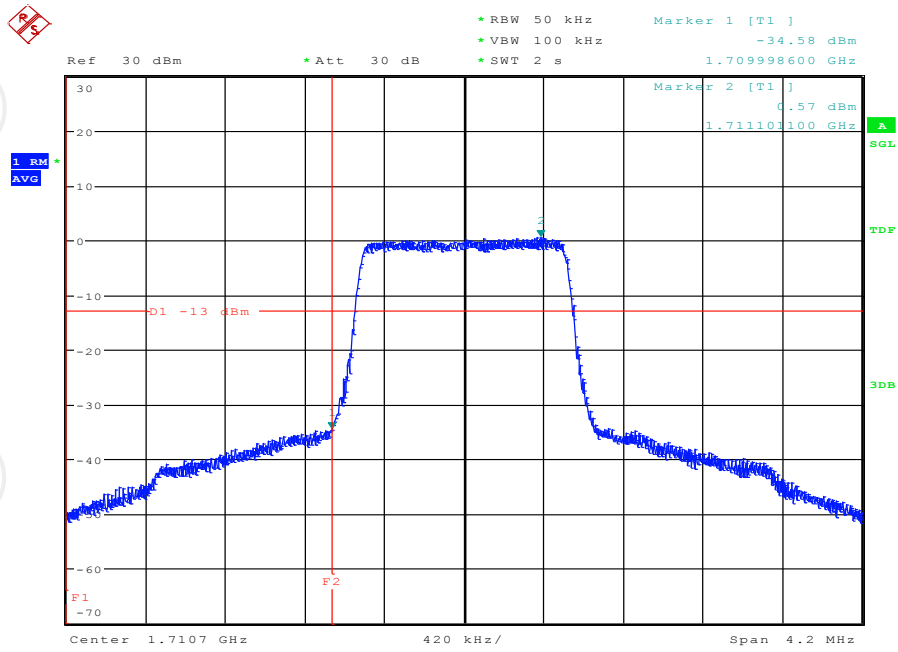Date: 9.MAY.2017 20:22:16

BAND2-1909.3MHz,QPSK-1RB_LOW@Pass

* RBW 50 kHz
* VBW 100 kHz
* SWT 2 s

Ref 30 dBm
* Att 30 dB

Marker 1 [T1] -42.28 dBm 1.910658700 GHz
Marker 2 [T1] 6.75 dBm 1.908873700 GHz

A SGL
1 RM AVG
TDF
D1 -13 dBm
3DB
F1
F2

Center 1.9093 GHz   420 kHz/   Span 4.2 MHz

Date: 9.MAY.2017 20:22:06

BAND2-1909.3MHz,QPSK-6RB_LOW@Pass

* RBW 50 kHz
* VBW 100 kHz
* SWT 2 s

Ref 30 dBm
* Att 30 dB

Marker 1 [T1] -38.00 dBm 1.910009800 GHz
Marker 2 [T1] 0.44 dBm 1.909440700 GHz

A SGL
1 RM AVG
TDF
D1 -13 dBm
3DB
F1
F2

Center 1.9093 GHz   420 kHz/   Span 4.2 MHz

Date: 9.MAY.2017 20:22:28

BAND4-1710.7MHz,Q16-1RB_HIGH@Pass

Date: 9.MAY.2017 21:47:57

BAND4-1710.7MHz,Q16-1RB_LOW@Pass

Date: 9.MAY.2017 21:47:46

BAND4-1710.7MHz,Q16-6RB_LOW@Pass

Date: 9.MAY.2017 21:48:08

BAND4-1710.7MHz,QPSK-1RB_HIGH@Pass
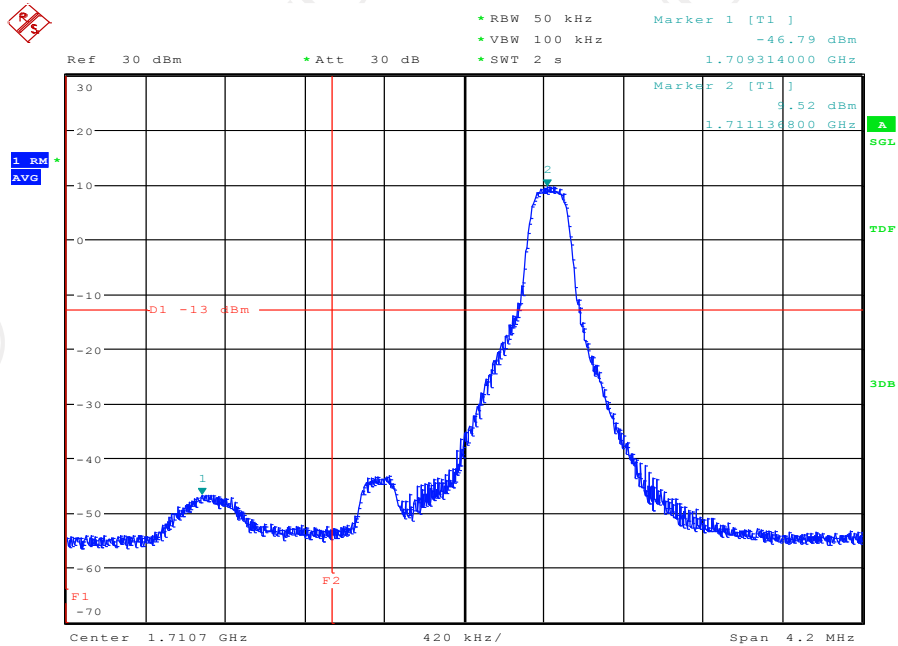
Date: 9.MAY.2017 21:47:24

BAND4-1710.7MHz,QPSK-1RB_LOW@Pass
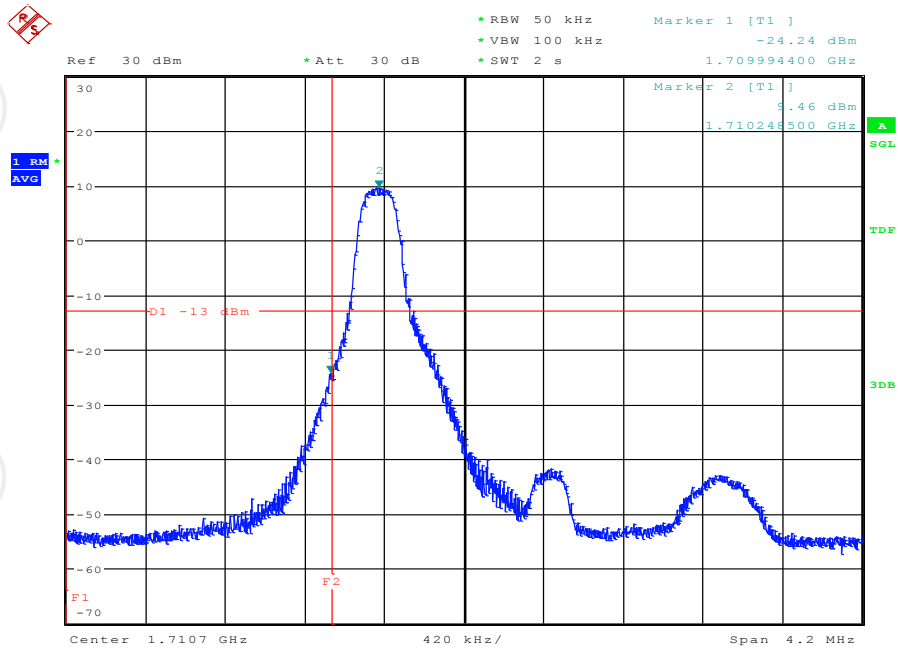
Date: 9.MAY.2017 21:47:13

BAND4-1710.7MHz,QPSK-6RB_LOW@Pass
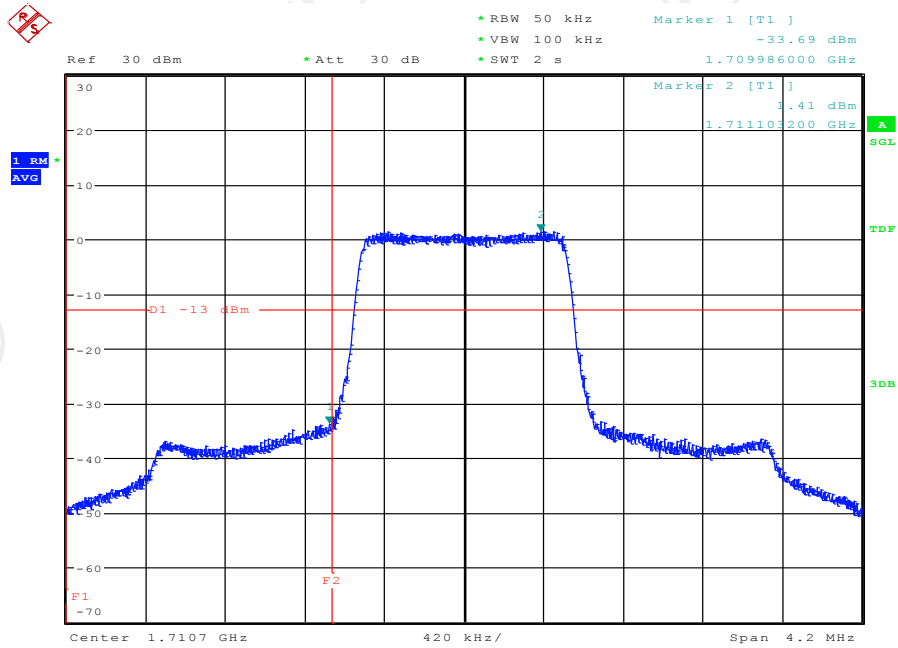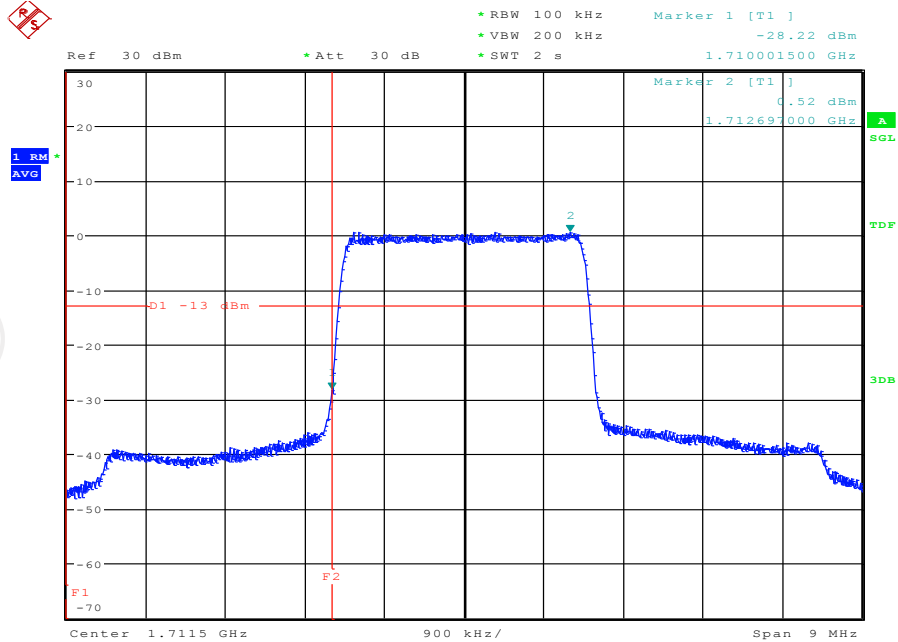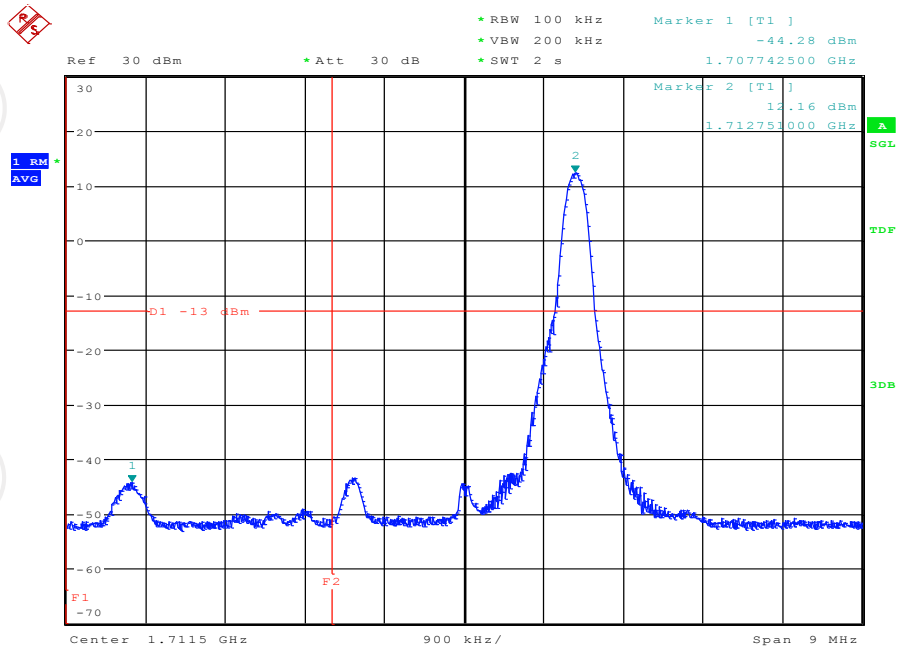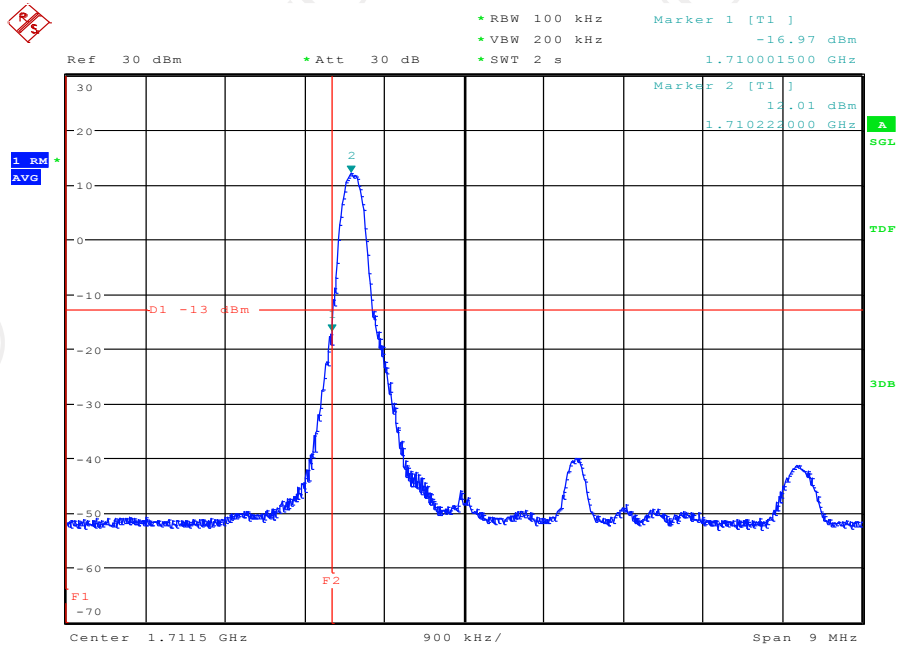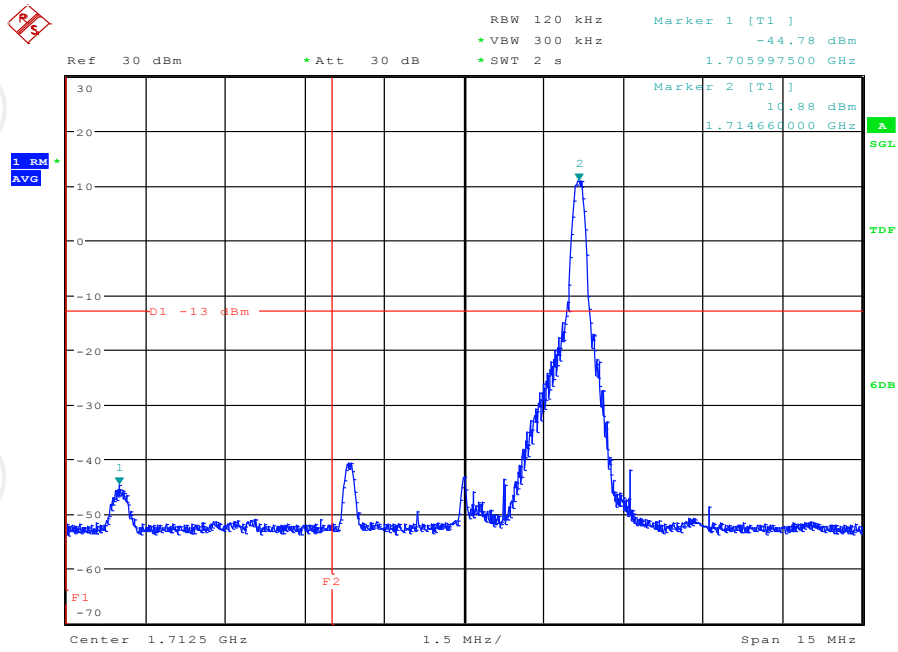

Date: 9.MAY.2017 21:47:35
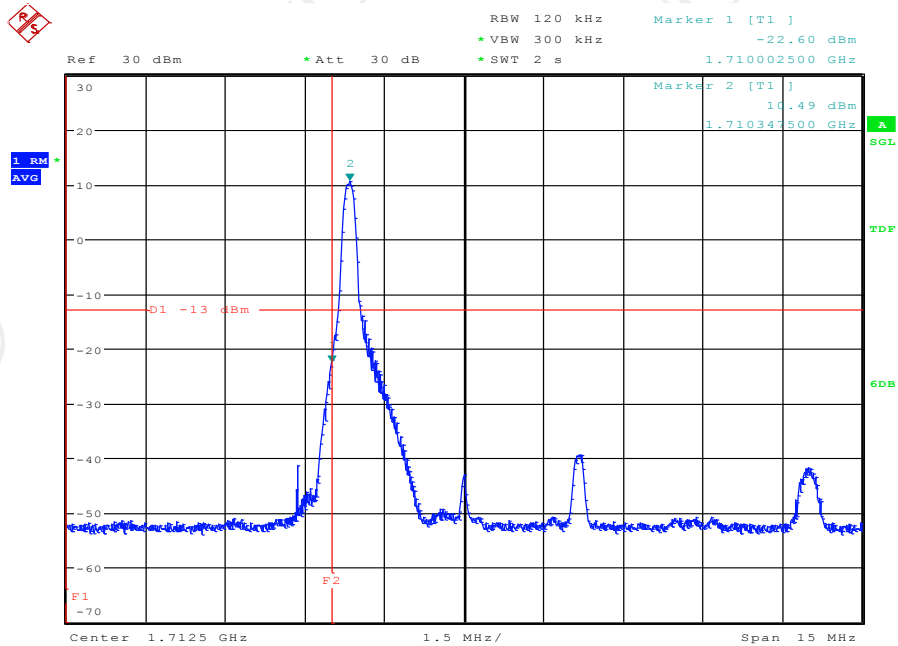
BAND4-1711.5MHz,Q16-15RB_LOW@Pass
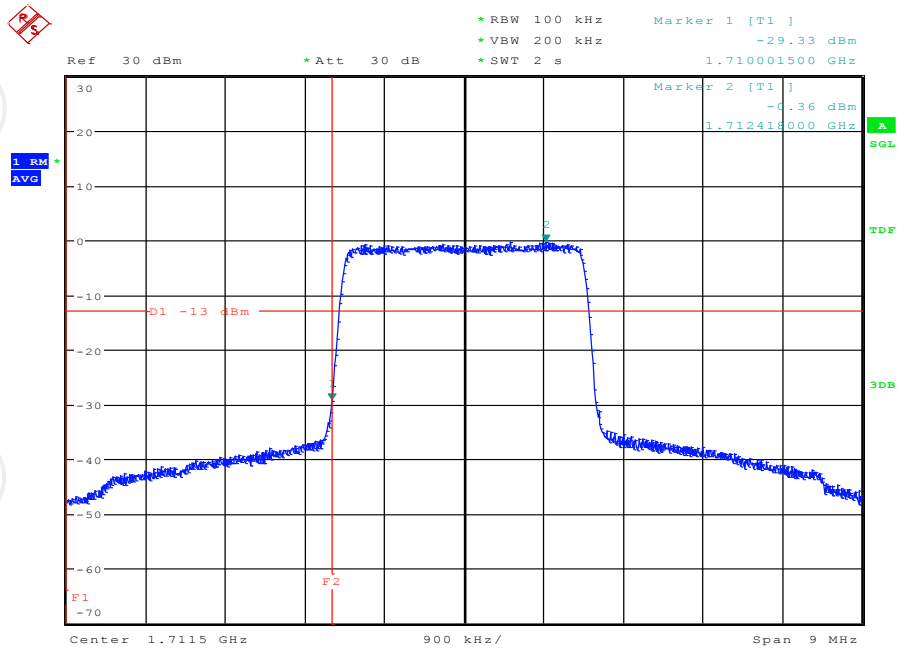
Date: 9.MAY.2017 21:50:26

BAND4-1711.5MHz,Q16-1RB_HIGH@Pass
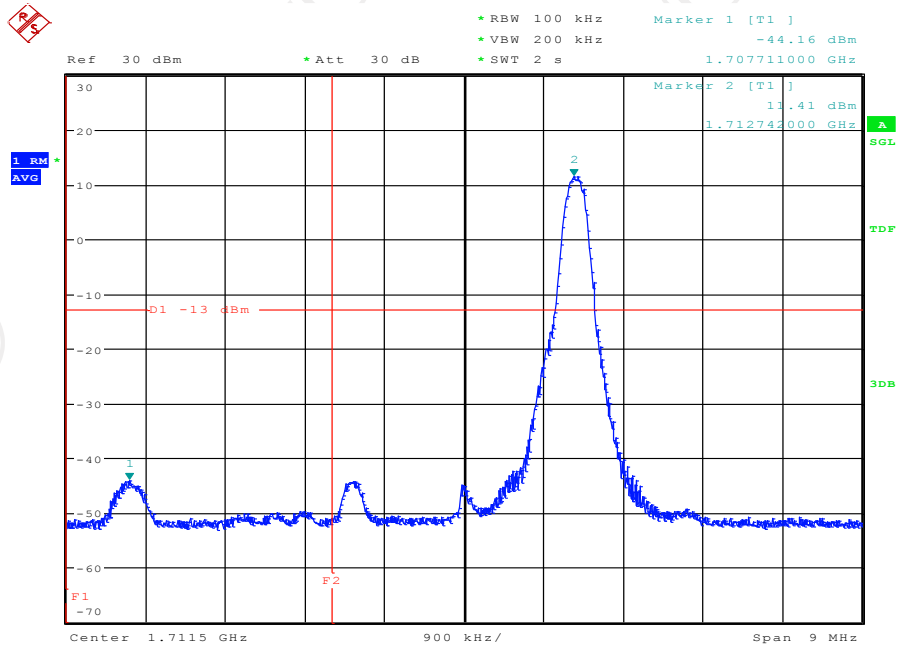
Date: 9.MAY.2017 21:50:15

BAND4-1711.5MHz,Q16-1RB_LOW@Pass
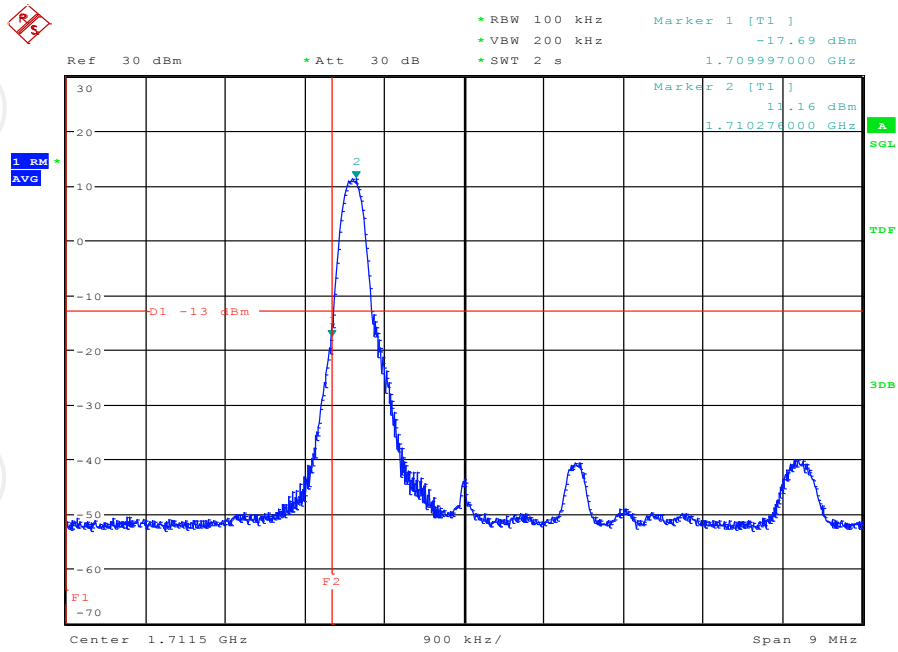
Date: 9.MAY.2017 21:50:03

BAND4-1711.5MHz,QPSK-15RB_LOW@Pass

Date: 9.MAY.2017 21:49:52

Date: 9.MAY.2017 21:49:41

BAND4-1711.5MHz,QPSK-1RB_LOW@Pass

Date: 9.MAY.2017 21:49:30

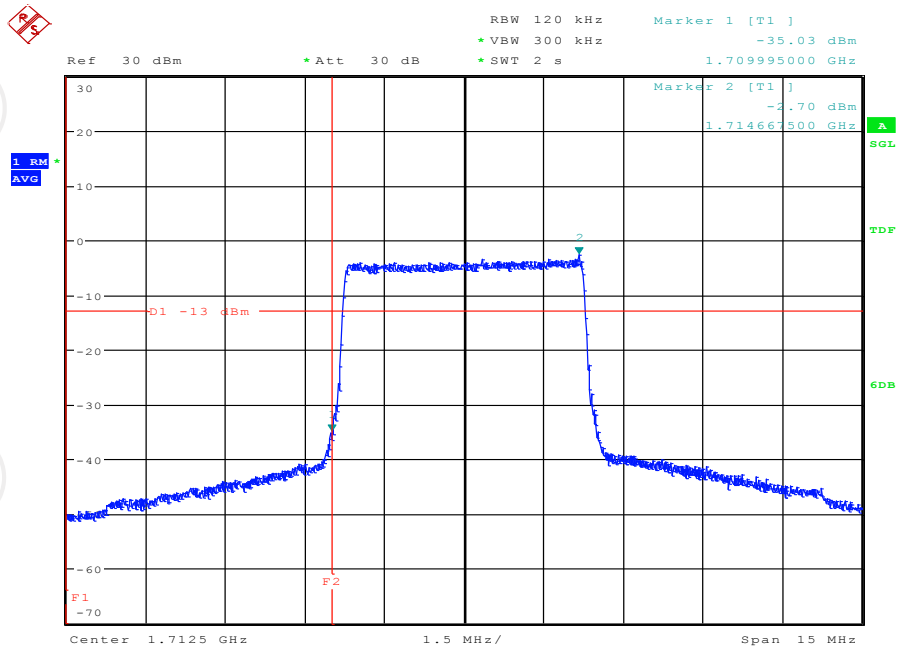## BAND4-1712.5MHz,Q16-1RB_HIGH@Pass

Date: 9.MAY.2017 21:52:33

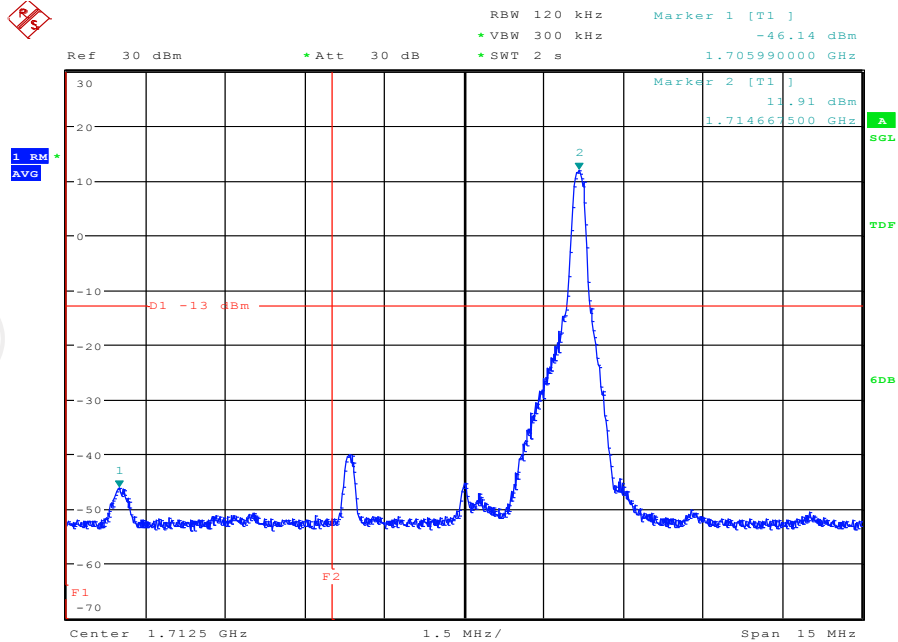## BAND4-1712.5MHz,Q16-1RB_LOW@Pass

Date: 9.MAY.2017 21:52:22

BAND4-1712.5MHz,Q16-25RB_LOW@Pass
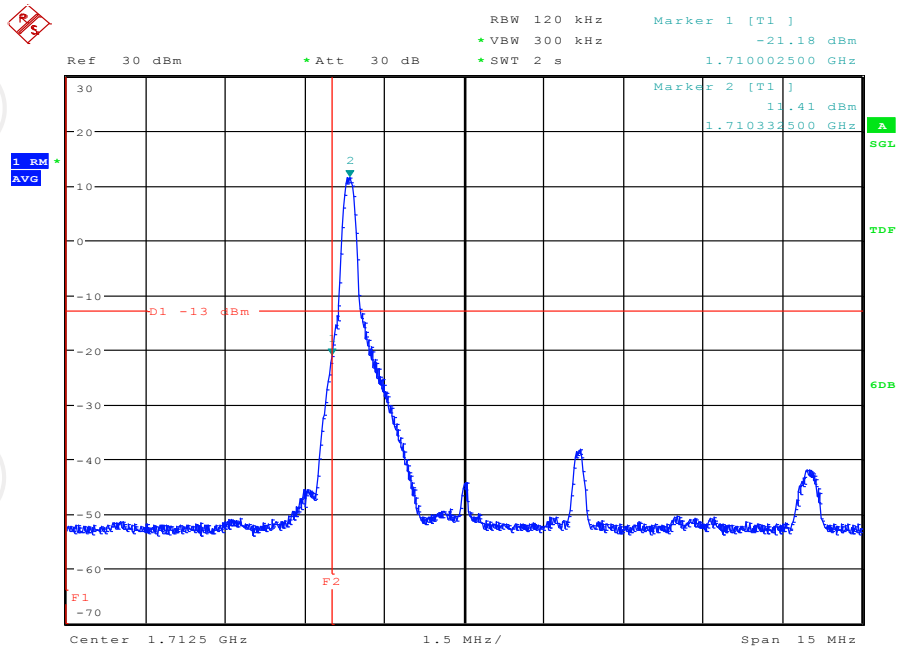

Date: 9.MAY.2017 21:52:45

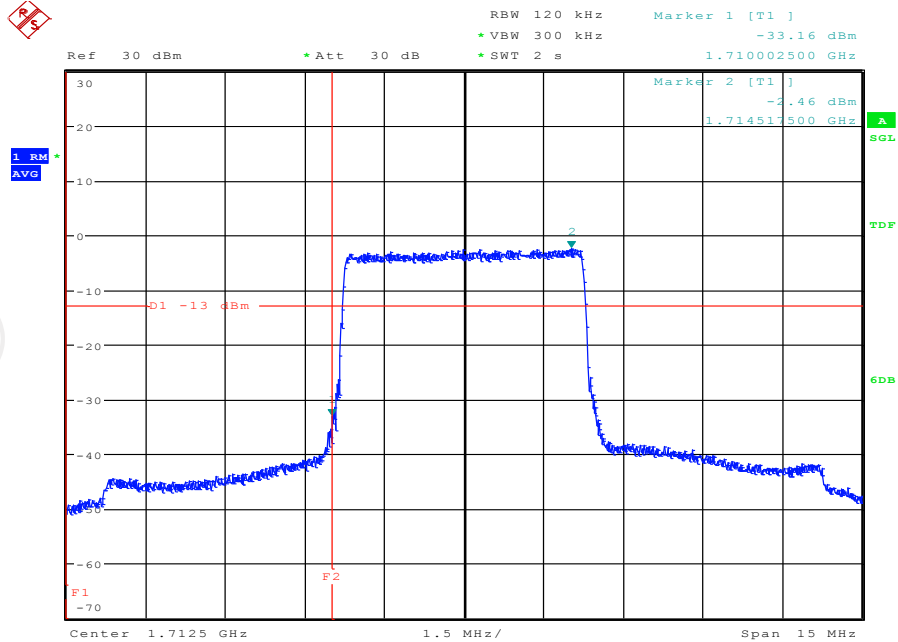## BAND4-1712.5MHz,QPSK-1RB_HIGH@Pass

Date: 9.MAY.2017 21:51:59

BAND4-1712.5MHz,QPSK-1RB_LOW@Pass
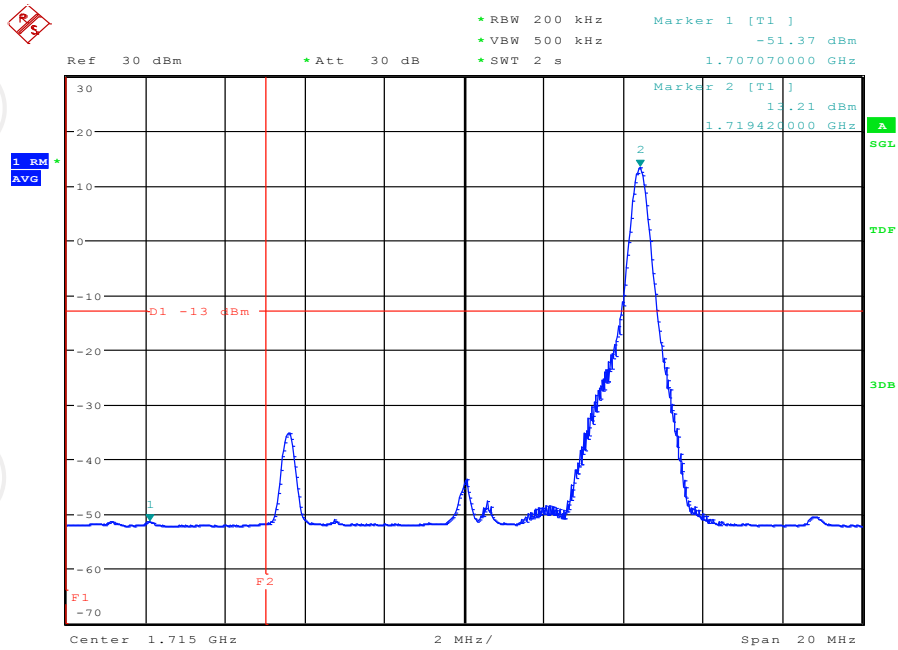

Date: 9.MAY.2017 21:51:48
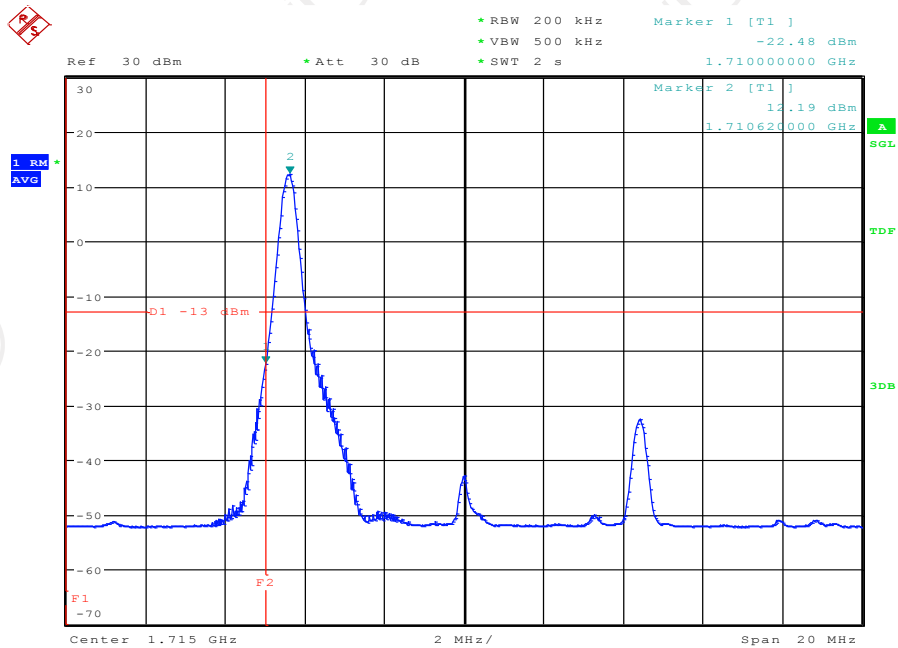
BAND4-1712.5MHz,QPSK-25RB_LOW@Pass

Date: 9.MAY.2017 21:52:11

BAND4-1715MHz,Q16-1RB_HIGH@Pass

Date: 9.MAY.2017 21:54:56

BAND4-1715MHz,Q16-1RB_LOW@Pass

Date: 9.MAY.2017 21:54:45

BAND4-1715MHz,Q16-50RB_LOW@Pass

Date: 9.MAY.2017 21:55:08

BAND4-1715MHz,QPSK-1RB_HIGH@Pass

Date: 9.MAY.2017 21:54:21

BAND4-1715MHz,QPSK-1RB_LOW@Pass

Date: 9.MAY.2017 21:54:09

BAND4-1715MHz,QPSK-50RB_LOW@Pass

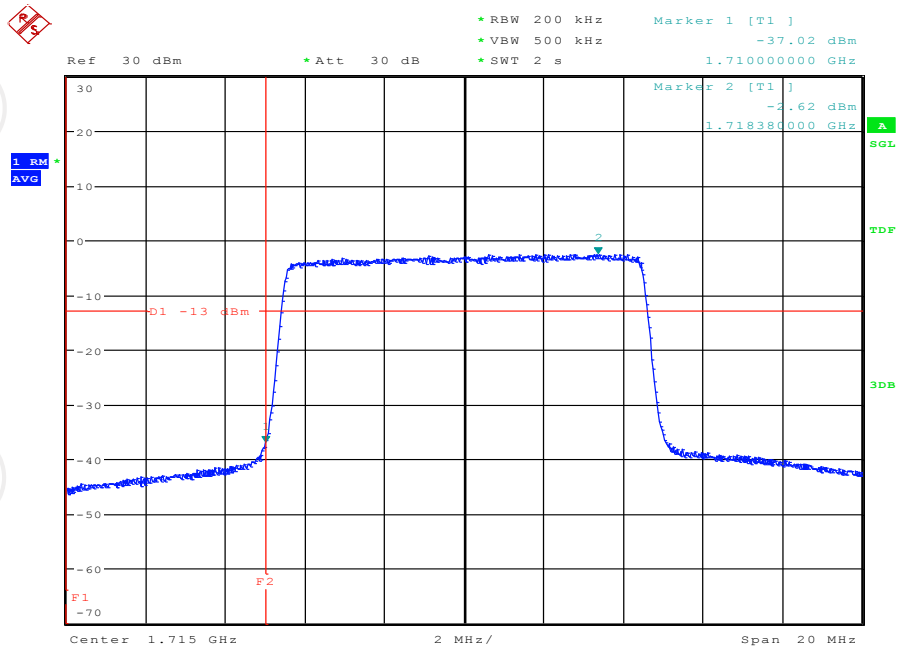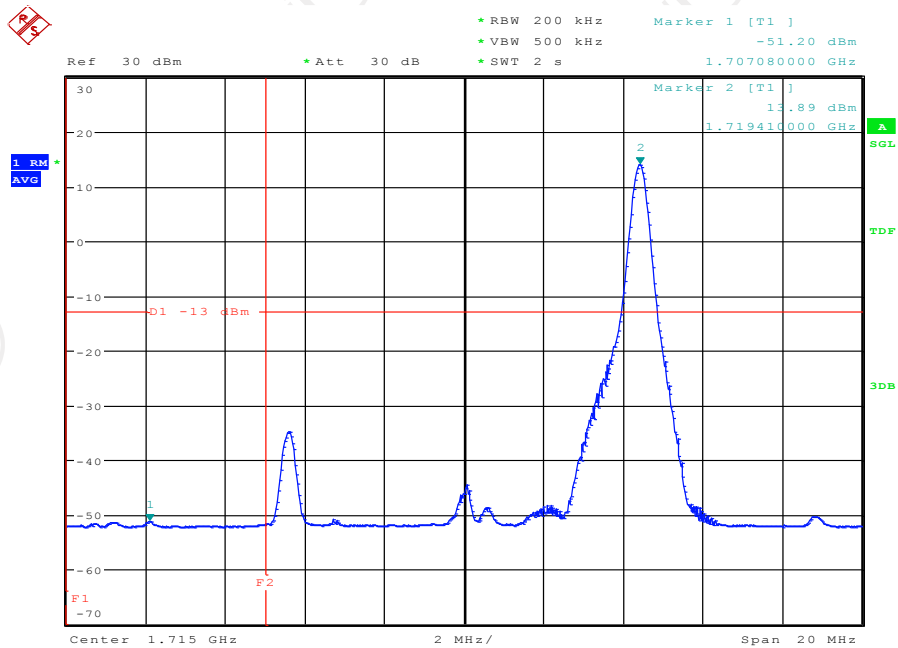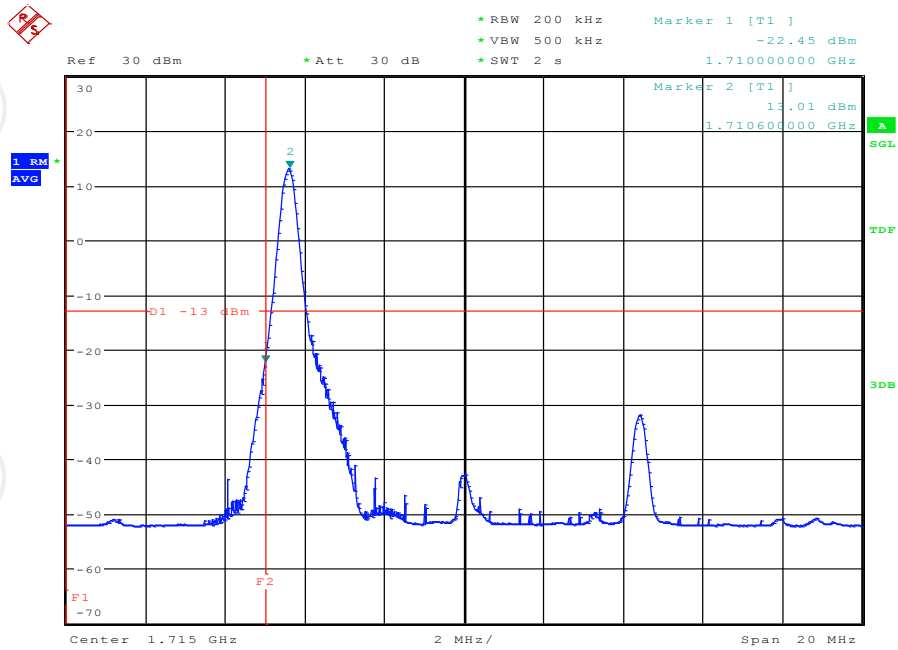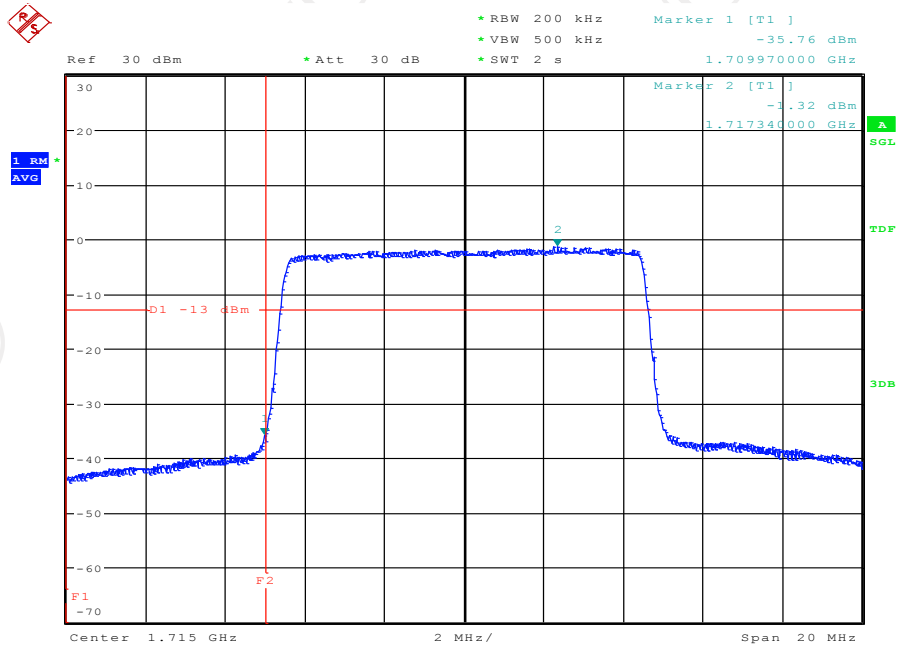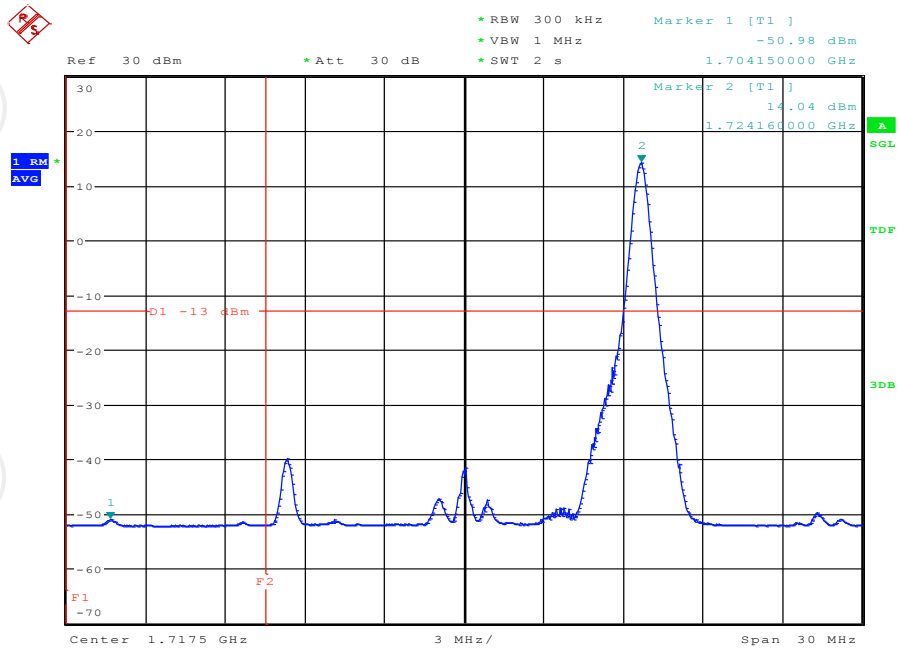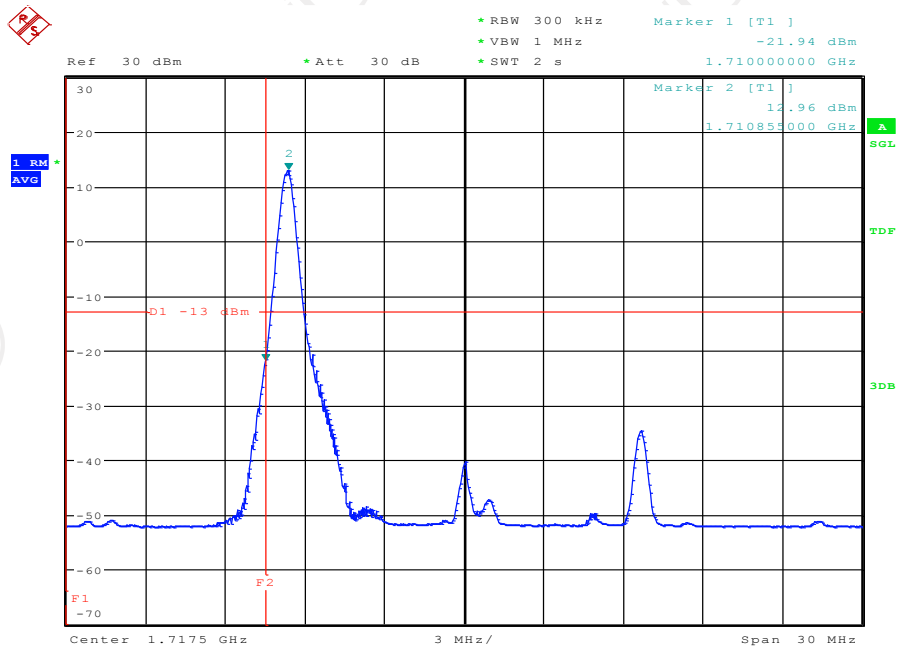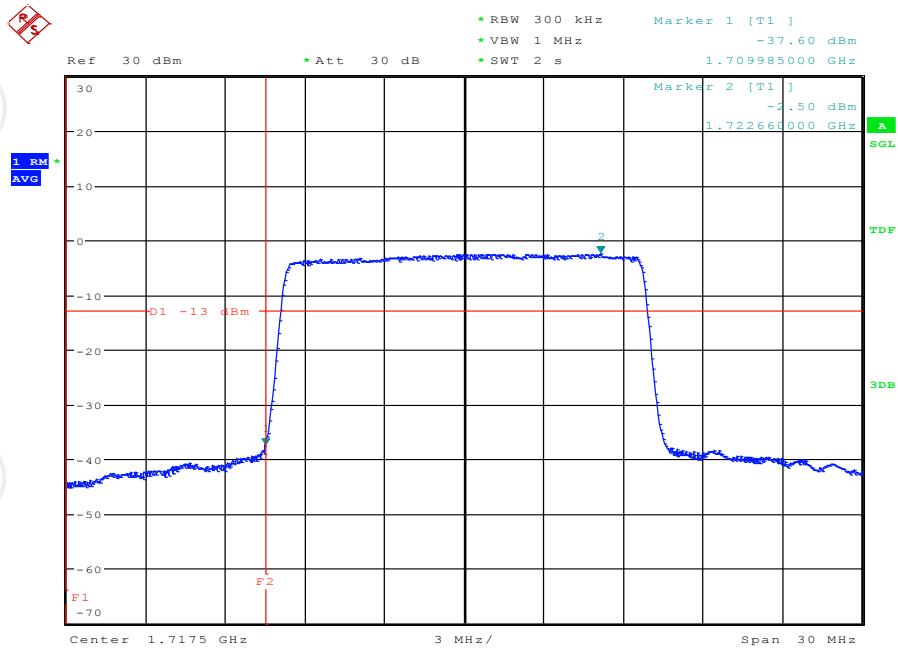Date: 9.MAY.2017 21:54:33

BAND4-1717.5MHz,Q16-1RB_HIGH@Pass

Date: 9.MAY.2017 21:57:30
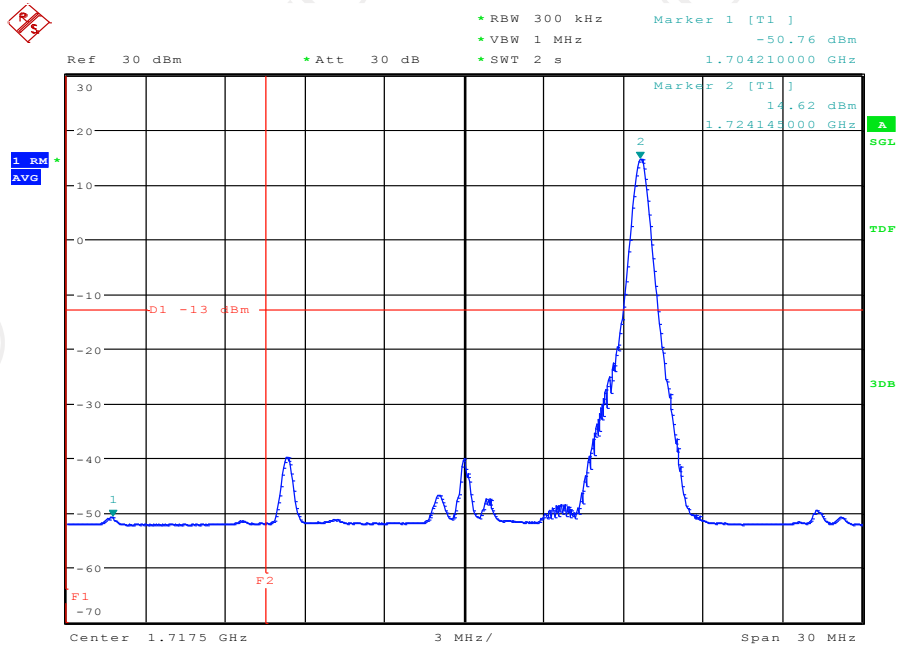
BAND4-1717.5MHz,Q16-1RB_LOW@Pass

Date: 9.MAY.2017 21:57:17

BAND4-1717.5MHz,Q16-75RB_LOW@Pass


```
                                        * RBW 300 kHz    Marker 1 [T1 ]
                                        * VBW 1 MHz              -37.60 dBm
        Ref 30 dBm        * Att 30 dB   * SWT 2 s        1.709985000 GHz
                                                         Marker 2 [T1 ]
     30                                                        -2.50 dBm
     20                                                  1.722660000 GHz   A
                                                                           SGL
     10
  1 RM *
  AVG  0                                                                   TDF
    -10  D1 -13 dBm
    -20                                                                    3DB
    -30
    -40
    -50
    -60
  F1
    -70  F2
     Center 1.7175 GHz            3 MHz/              Span 30 MHz
```

Date: 9.MAY.2017 21:57:44

BAND4-1717.5MHz,QPSK-1RB_HIGH@Pass


```
                                        * RBW 300 kHz    Marker 1 [T1 ]
                                        * VBW 1 MHz              -50.76 dBm
        Ref 30 dBm        * Att 30 dB   * SWT 2 s        1.704210000 GHz
                                                         Marker 2 [T1 ]
     30                                                        14.62 dBm
     20                                                  1.724145000 GHz   A
                                                                           SGL
     10
  1 RM
  AVG  0                                                                   TDF
    -10  D1 -13 dBm
    -20                                                                    3DB
    -30
    -40
    -50   1
    -60
  F1
    -70  F2
     Center 1.7175 GHz            3 MHz/              Span 30 MHz
```

Date: 9.MAY.2017 21:56:49