# ATTACHMENT G - HOPPING CHANNEL SEPARATION MEASUREMENT
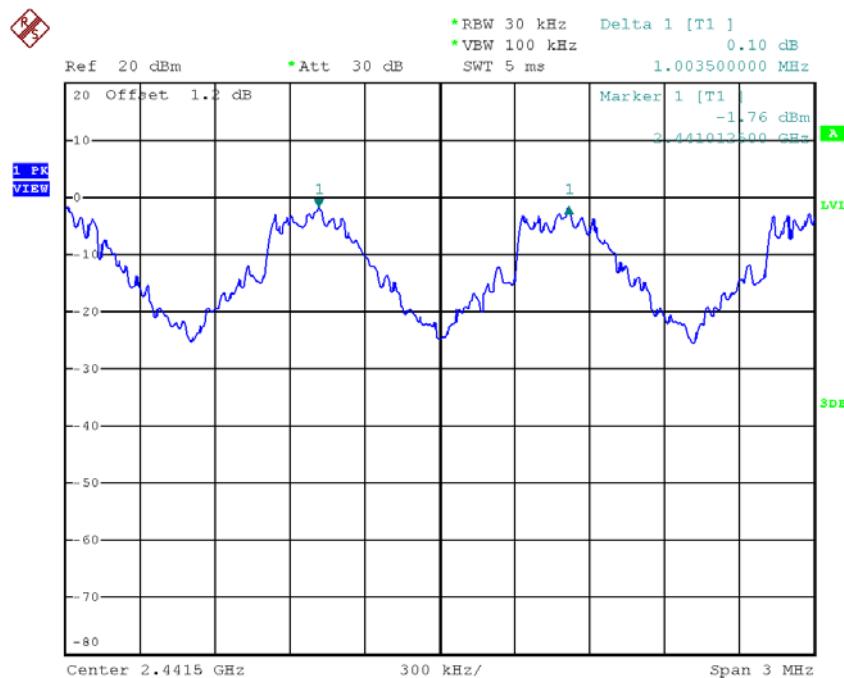
| Test Mode :	Hopping on _1Mbps

Frequency (MHz)	Channel Separation (MHz)	2/3 of 20dB Bandwidth (MHz)	Test Result
2402	0.990	0.681	Pass
2441	1.004	0.641	Pass
2480	1.007	0.640	Pass

CH00

CH39

20 Offset 1.2 dB

Marker 1 [T1]
-1.76 dBm
2.441013500 GHz

1 PK VIEW

LVL

3DB

Center 2.4415 GHz   300 kHz/   Span 3 MHz
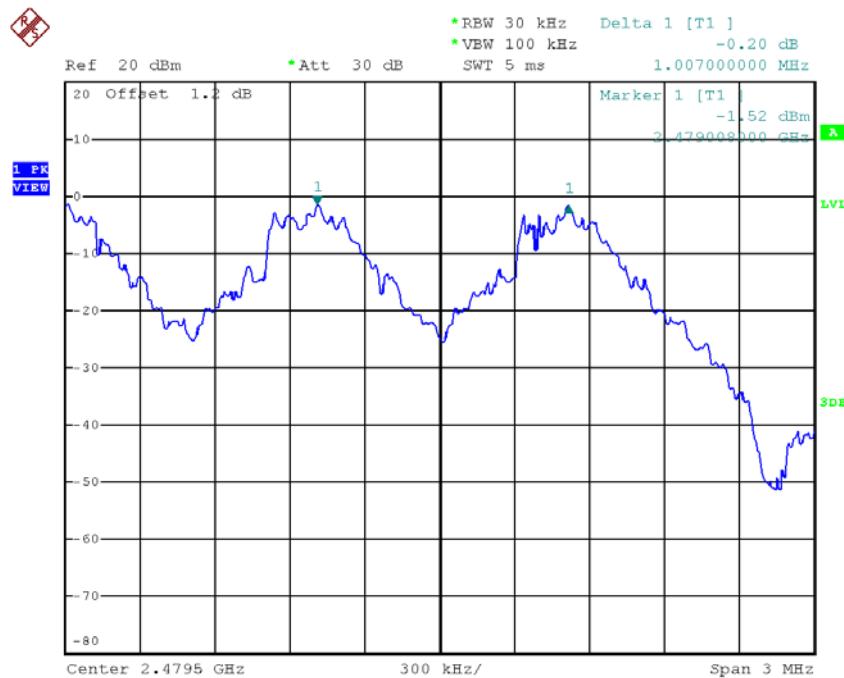
Date: 6.OCT.2017 18:10:02

CH78

20 Offset 1.2 dB

Marker 1 [T1]
-1.52 dBm
2.479008000 GHz

1 PK VIEW

LVL

3DB

Center 2.4795 GHz   300 kHz/   Span 3 MHz
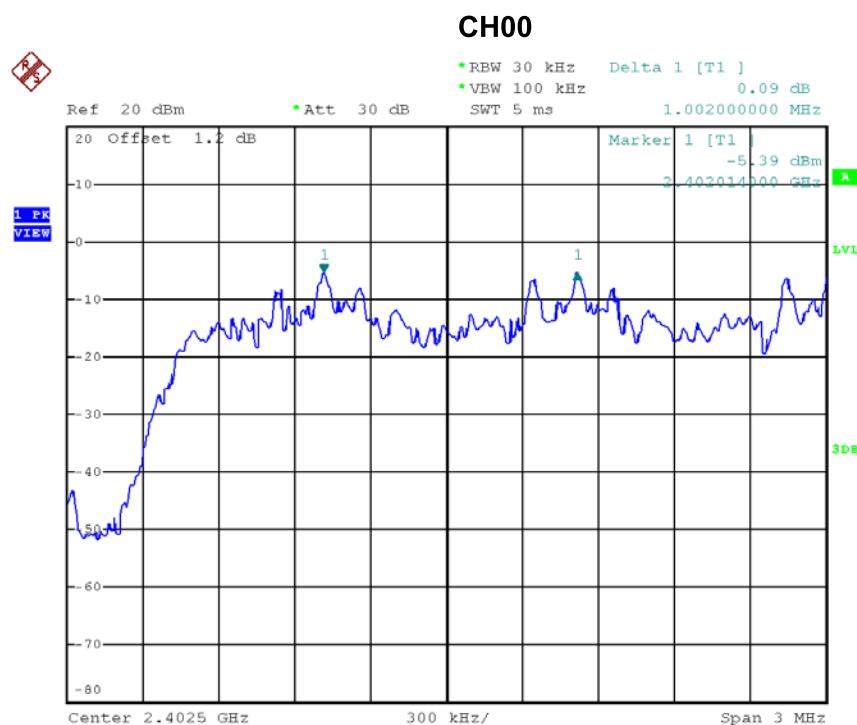
Date: 6.OCT.2017 18:12:11
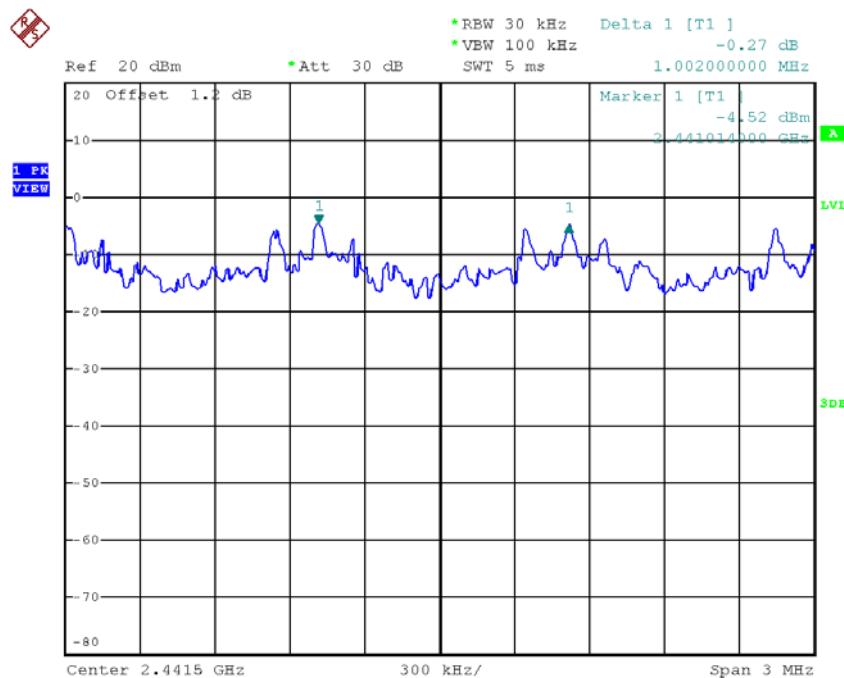
Test Mode :	Hopping on _3Mbps

Frequency (MHz)	Channel Separation (MHz)	2/3 of 20dB Bandwidth (MHz)	Test Result
2402	1.002	0.859	Pass
2441	1.002	0.864	Pass
2480	0.990	0.859	Pass

CH00
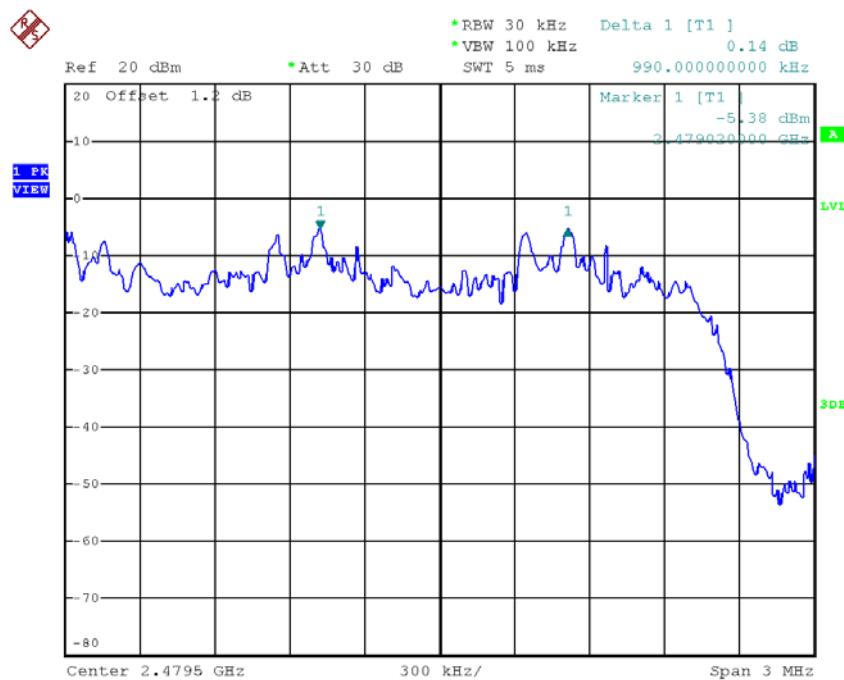
Date: 6.OCT.2017 18:29:04

CH39


```
                                    *RBW  30 kHz    Delta 1 [T1 ]
                                    *VBW 100 kHz              -0.27 dB
        Ref  20 dBm      *Att  30 dB   SWT 5 ms      1.002000000 MHz
        20 Offset  1.2 dB                      Marker 1 [T1 ]
                                                          -4.52 dBm
        -10                                              2.441014000 GHz
1 PK
VIEW
          0                                                         LVL

        -20

        -30                                                         3DB

        -40

        -50

        -60

        -70

        -80
        Center 2.4415 GHz         300 kHz/              Span 3 MHz
```

Date: 6.OCT.2017 18:31:08

CH78


```
                                    *RBW  30 kHz    Delta 1 [T1 ]
                                    *VBW 100 kHz               0.14 dB
        Ref  20 dBm      *Att  30 dB   SWT 5 ms      990.000000000 kHz
        20 Offset  1.2 dB                      Marker 1 [T1 ]
                                                          -5.38 dBm
        -10                                              2.479030000 GHz
1 PK
VIEW
          0                                                         LVL

        -20

        -30                                                         3DB

        -40

        -50

        -60

        -70

        -80
        Center 2.4795 GHz         300 kHz/              Span 3 MHz
```
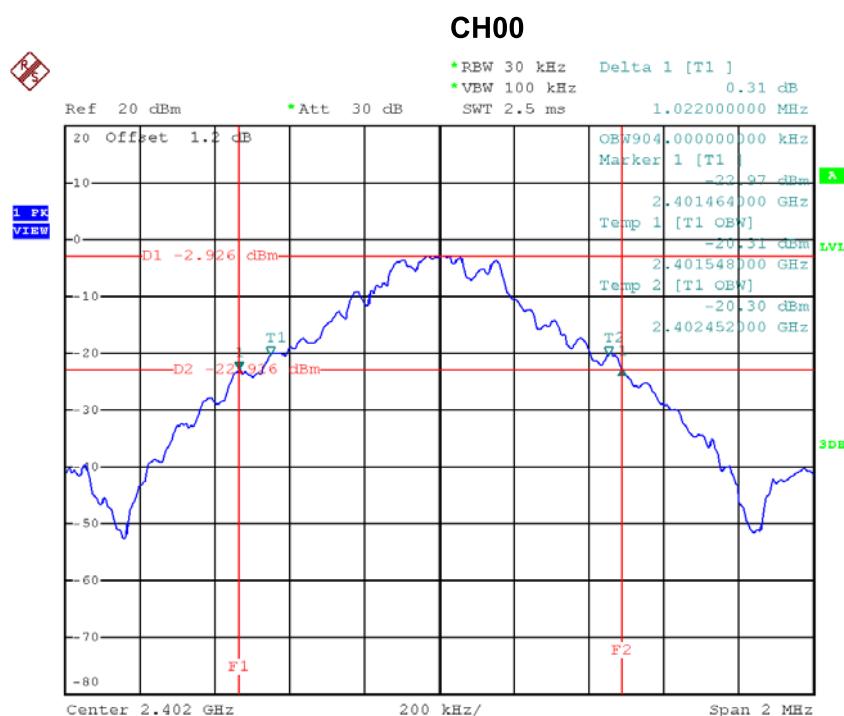
Date: 6.OCT.2017 18:33:11

ATTACHMENT H - BANDWIDTH
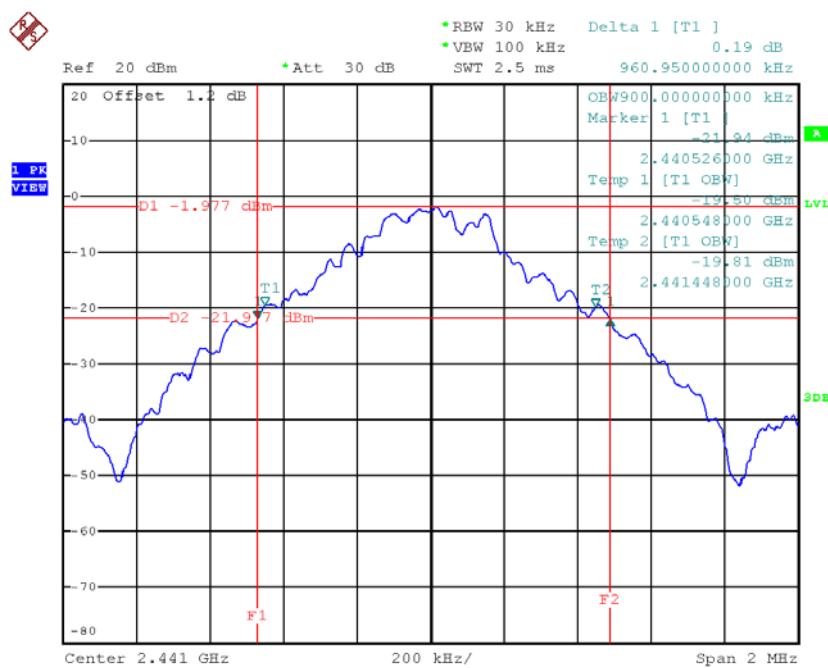
Test Mode :	TX Mode _1Mbps

Frequency (MHz)	20dB Bandwidth (MHz)	99% Occupied BW (MHz)	Test Result
2402	1.022	0.904	Pass
2441	0.961	0.900	Pass
2480	0.960	0.900	Pass

CH00
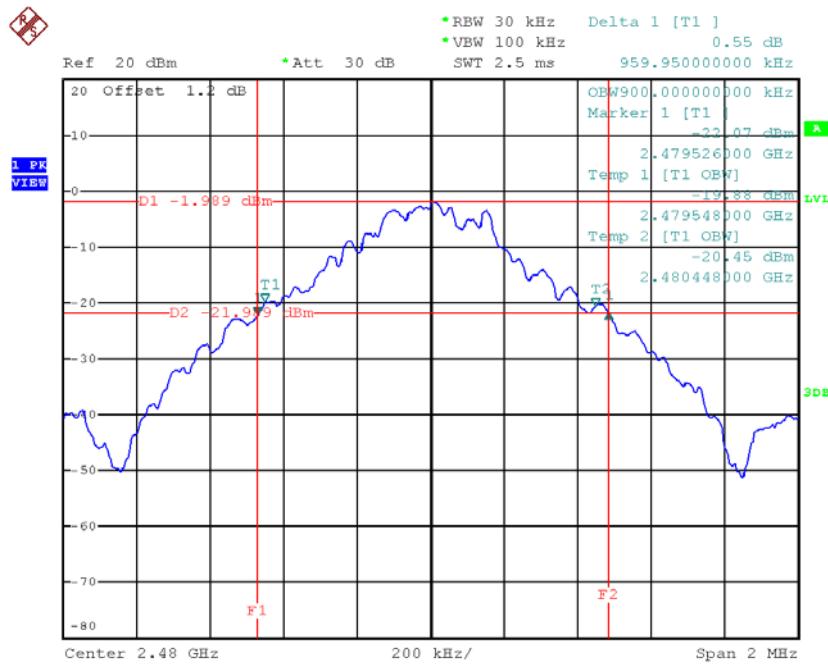
Date: 6.OCT.2017 18:01:13

CH39

Date: 6.OCT.2017 18:03:11
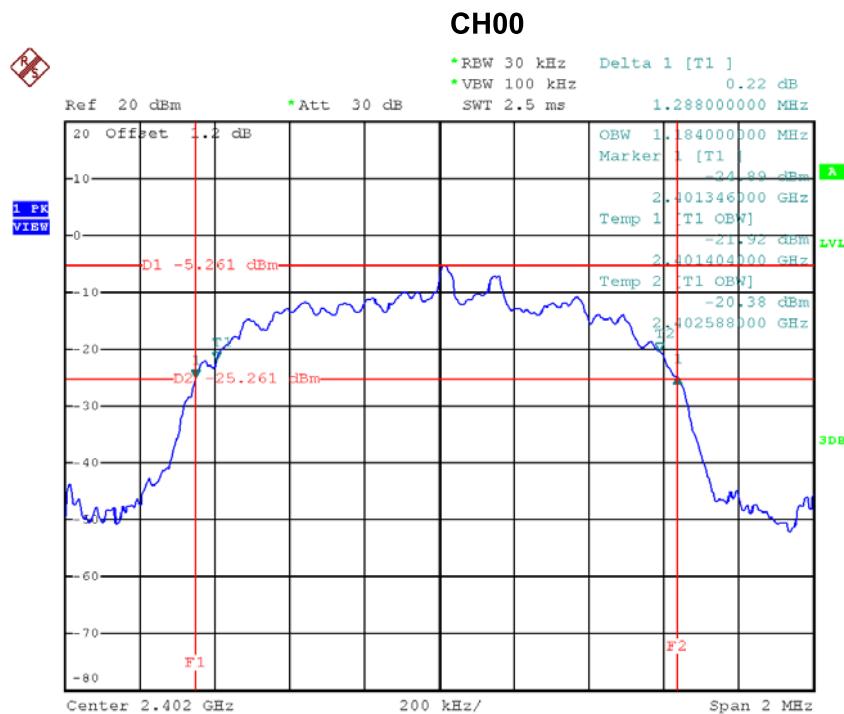
CH78

Date: 6.OCT.2017 18:04:20
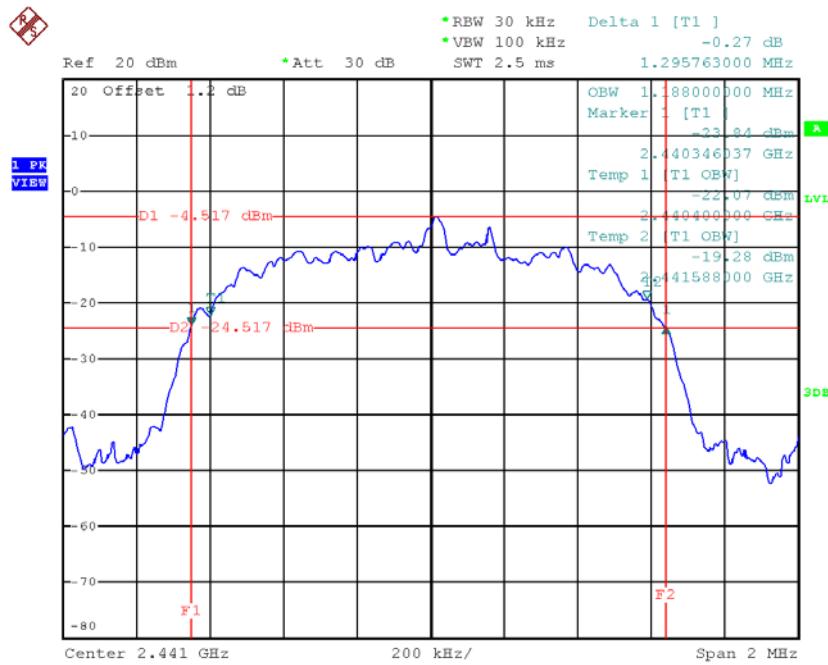
Test Mode :	TX Mode _3Mbps

Frequency (MHz)	20dB Bandwidth (MHz)	99% Occupied BW (MHz)	Test Result
2402	1.288	1.184	Pass
2441	1.296	1.188	Pass
2480	1.288	1.184	Pass

CH00
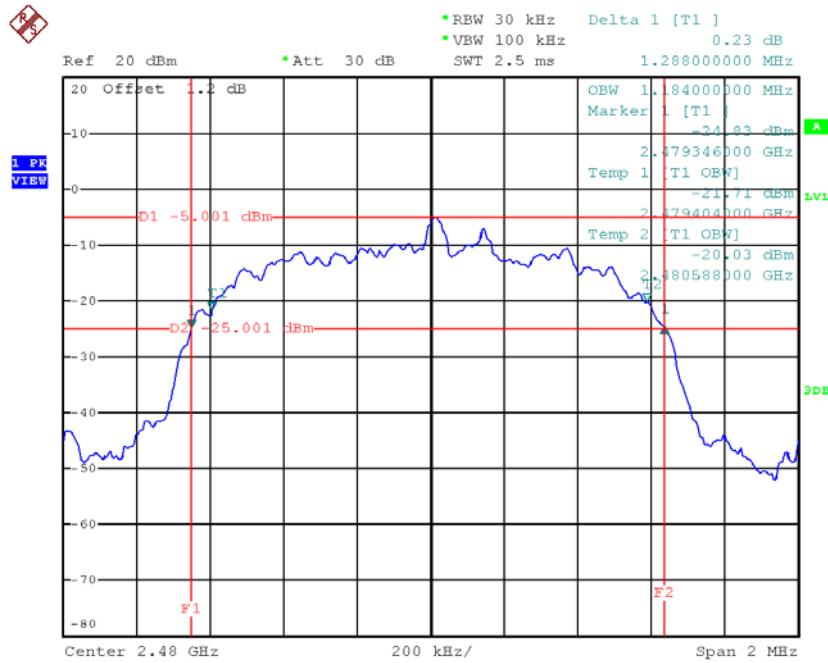
Date: 6.OCT.2017 18:22:12

CH39

Date: 6.OCT.2017 18:24:00

CH78
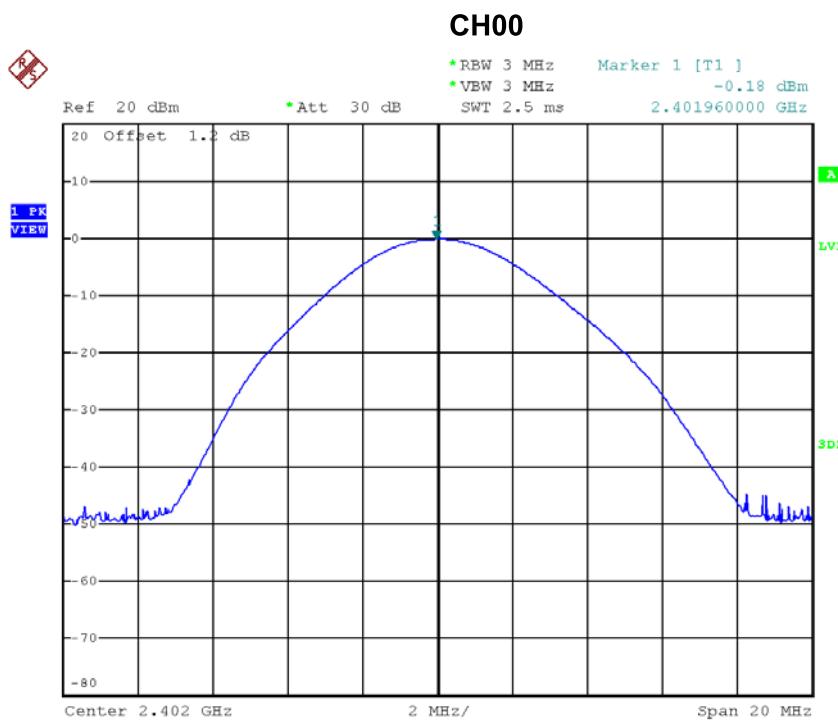
Date: 6.OCT.2017 18:25:29

ATTACHMENT I - PEAK OUTPUT POWER
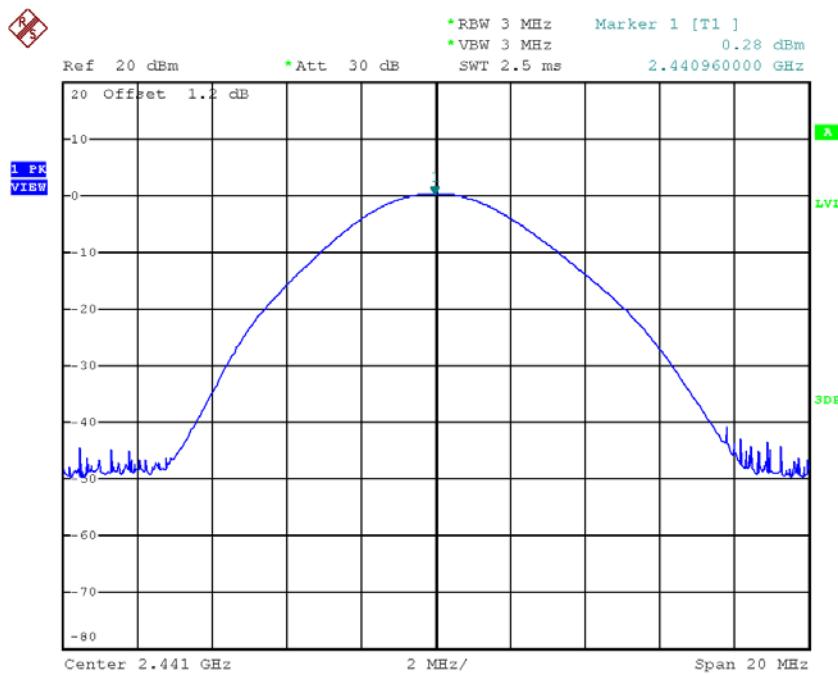
Test Mode :	TX Mode _1Mbps

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Test Result
2402	-0.18	0.0010	30.00	1.00	Pass
2441	0.28	0.0011	30.00	1.00	Pass
2480	0.06	0.0010	30.00	1.00	Pass

CH00

Date: 6.OCT.2017 18:01:46

CH39


```
                                         *RBW 3 MHz      Marker 1 [T1 ]
                                         *VBW 3 MHz              0.28 dBm
          Ref  20 dBm          *Att  30 dB    SWT 2.5 ms     2.440960000 GHz
          20 Offset  1.2 dB
```

Date: 6.OCT.2017 18:03:17

CH78


```
                                         *RBW 3 MHz      Marker 1 [T1 ]
                                         *VBW 3 MHz              0.06 dBm
          Ref  20 dBm          *Att  30 dB    SWT 2.5 ms     2.479880000 GHz
          20 Offset  1.2 dB
```
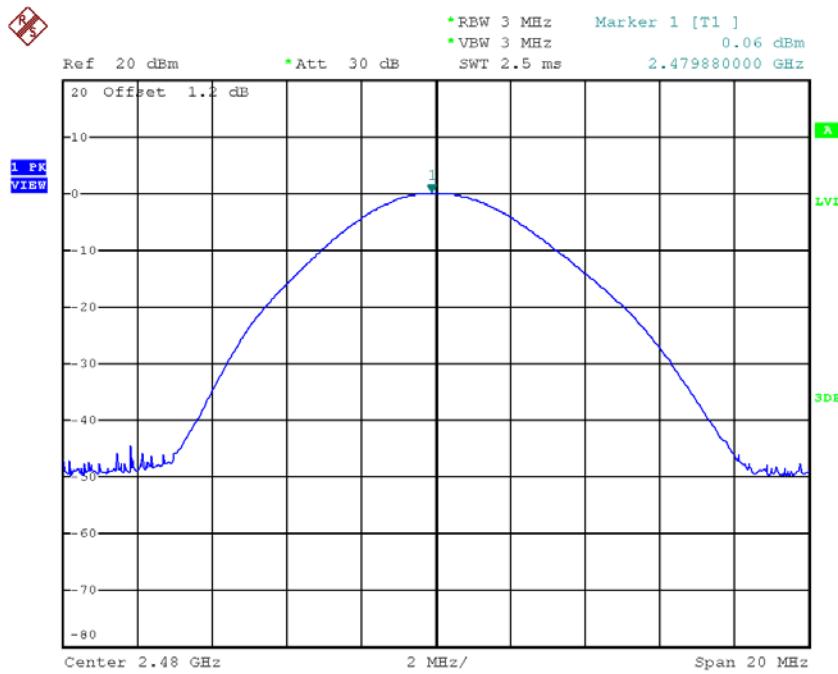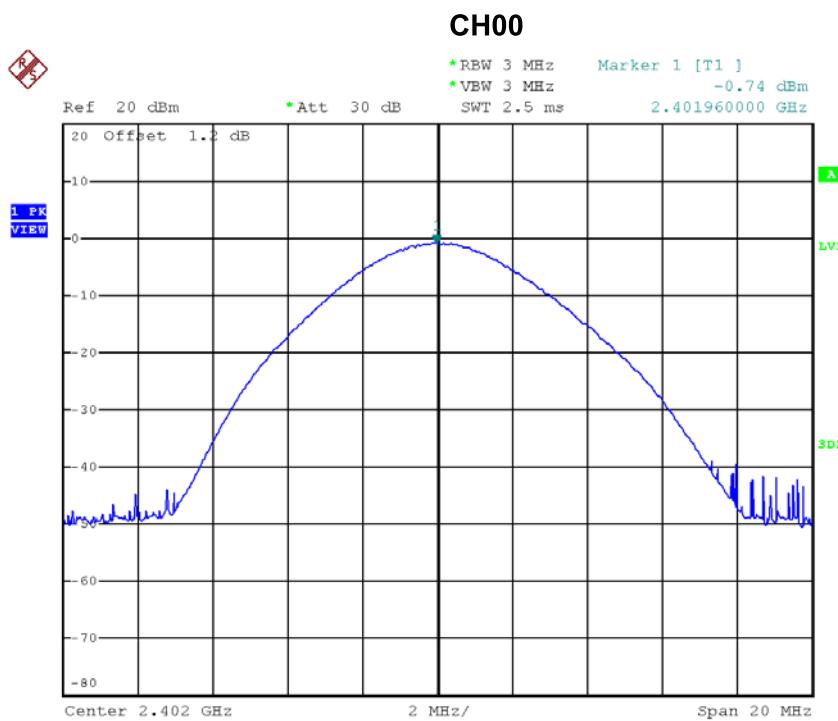
Date: 6.OCT.2017 18:04:53

Test Mode :	TX Mode _3Mbps

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Test Result
2402	-0.74	0.0008	30.00	1.00	Pass
2441	-0.17	0.0010	30.00	1.00	Pass
2480	-0.52	0.0009	30.00	1.00	Pass

CH39


```
                                    *RBW  3 MHz     Marker 1 [T1 ]
                                    *VBW  3 MHz              -0.17 dBm
   Ref  20 dBm          *Att  30 dB   SWT  2.5 ms      2.440880000 GHz
```

Date: 6.OCT.2017 18:24:06

CH78


```
                                    *RBW  3 MHz     Marker 1 [T1 ]
                                    *VBW  3 MHz              -0.52 dBm
   Ref  20 dBm          *Att  30 dB   SWT  2.5 ms      2.480040000 GHz
```
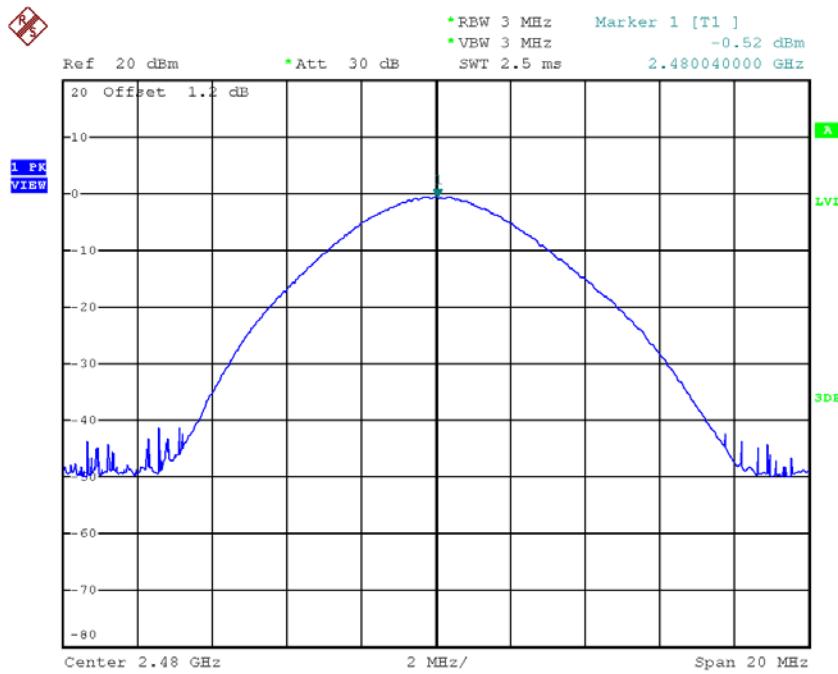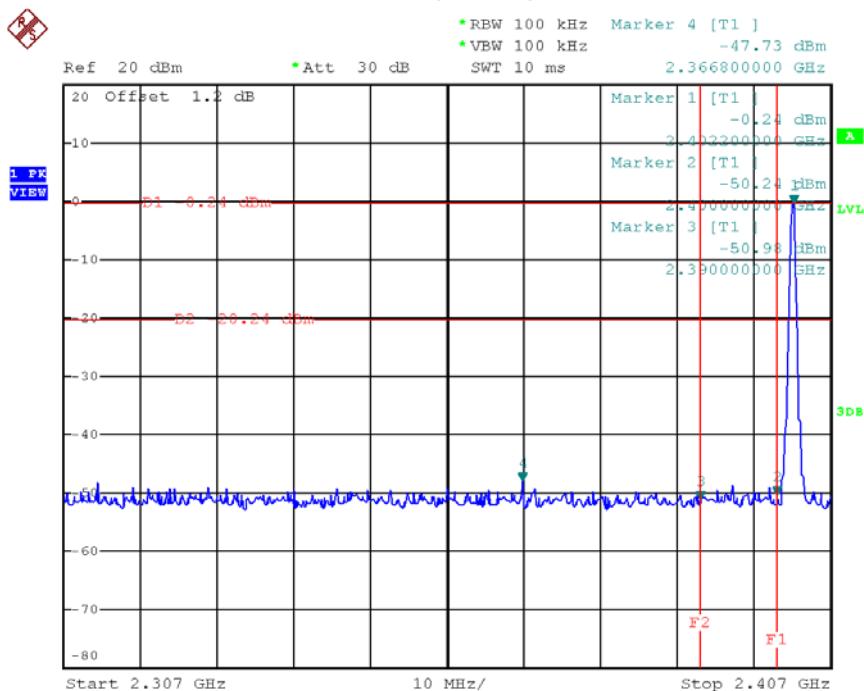
Date: 6.OCT.2017 18:26:01

ATTACHMENT J - ANTENNA CONDUCTED SPURIOUS EMISSION

CH00 (Lower)_1Mbps

*RBW 100 kHz   Marker 4 [T1]
*VBW 100 kHz   -47.73 dBm
Ref 20 dBm   *Att 30 dB   SWT 10 ms   2.366800000 GHz

20 Offset 1.2 dB

Marker 1 [T1]
                                    -0.24 dBm
                                    2.403200000 GHz

Marker 2 [T1]
                                    -50.24 dBm
                                    2.400000000 GHz

Marker 3 [T1]
                                    -50.98 dBm
                                    2.390000000 GHz

D1 0.24 dBm

D2 -20.24 dBm

Start 2.307 GHz   10 MHz/   Stop 2.407 GHz

Date: 6.OCT.2017 18:00:36

CH39 (Middle) _1Mbps

*RBW 100 kHz   Marker 4 [T1]
*VBW 100 kHz   -58.49 dBm
Ref 10 dBm   *Att 20 dB   SWT 10 ms   2.404800000 GHz

10 Offset 1.2 dB

Marker 1 [T1]
                                    -0.89 dBm
                                    2.441300000 GHz

Marker 2 [T1]
                                    -59.07 dBm
                                    2.415000000 GHz

Marker 3 [T1]
                                    -60.36 dBm
                                    2.410000000 GHz

D1 0.89 dBm

D2 -20.89 dBm

Start 2.4 GHz   10 MHz/   Stop 2.5 GHz
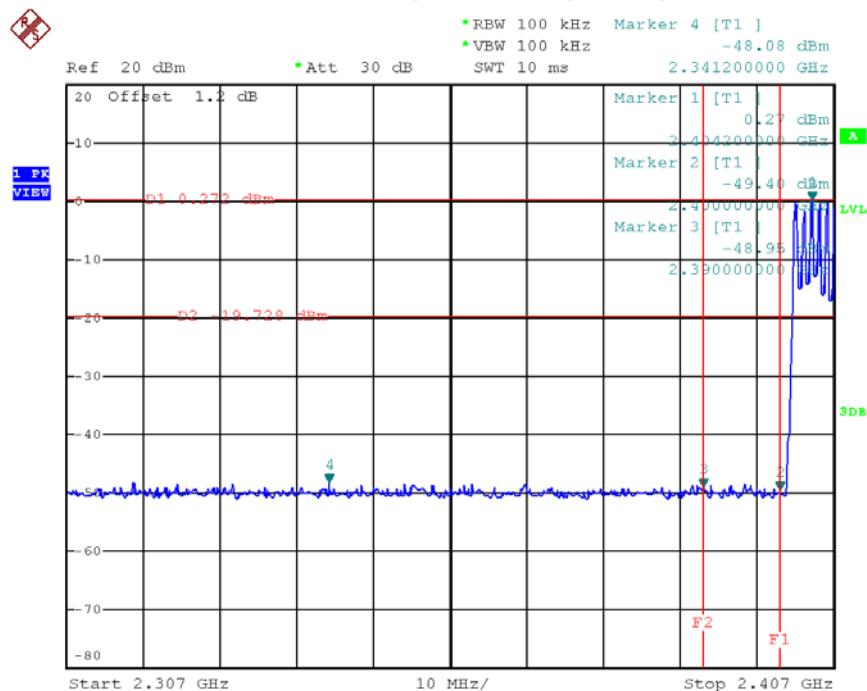
Date: 5.JAN.2018 10:29:55

CH78 (Upper) _1Mbps


```
                                    *RBW 100 kHz    Marker 4 [T1 ]
                                    *VBW 100 kHz              -48.17 dBm
  Ref  20 dBm         *Att  30 dB    SWT 10 ms         2.509600000 GHz

  20  Offset  1.2 dB                         Marker 1 [T1 ]
                                                        -0.25 dBm
 -10                                              2.480000000 GHz     A
                                             Marker 2 [T1 ]
  0                                                     -50.12 dBm
                                                  2.483500000 GHz    LVL
 -10                                         Marker 3 [T1 ]
                                                        -52.65 dBm
                                                  2.500000000 GHz
 -20   D2  20.252 dBm
                                                                     3DB
 -30

 -40

 -50

 -60

 -70

 -80   F1            F2

  Start 2.473 GHz         10 MHz/           Stop 2.573 GHz
```
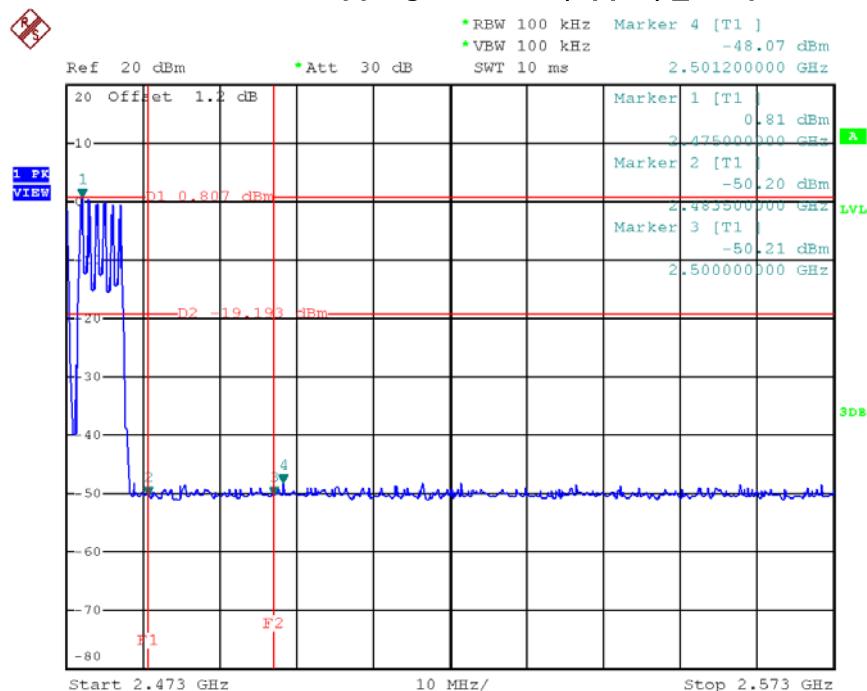
Date: 6.OCT.2017 18:03:37

CH00 Hopping on mode (Lower)_1Mbps


```
                                    *RBW 100 kHz   Marker 4 [T1 ]
                                    *VBW 100 kHz             -48.08 dBm
Ref  20 dBm          *Att  30 dB    SWT 10 ms       2.341200000 GHz
20  Offset  1.2 dB                               Marker 1 [T1 ]
                                                          0.27 dBm
-10                                                 2.404200000 GHz     A
                                                 Marker 2 [T1 ]
0         D1 0.272 dBm                                    -49.40 dBm
                                                    2.400000000 GHz     LVL
-10                                              Marker 3 [T1 ]
                                                         -48.95 dBm
-20       D2 19.728 dBm                             2.390000000 GHz

-30
                                                                        3DB
-40
                       4                    3    1

-50

-60

-70                                              F2        F1
-80
Start 2.307 GHz          10 MHz/          Stop 2.407 GHz
```
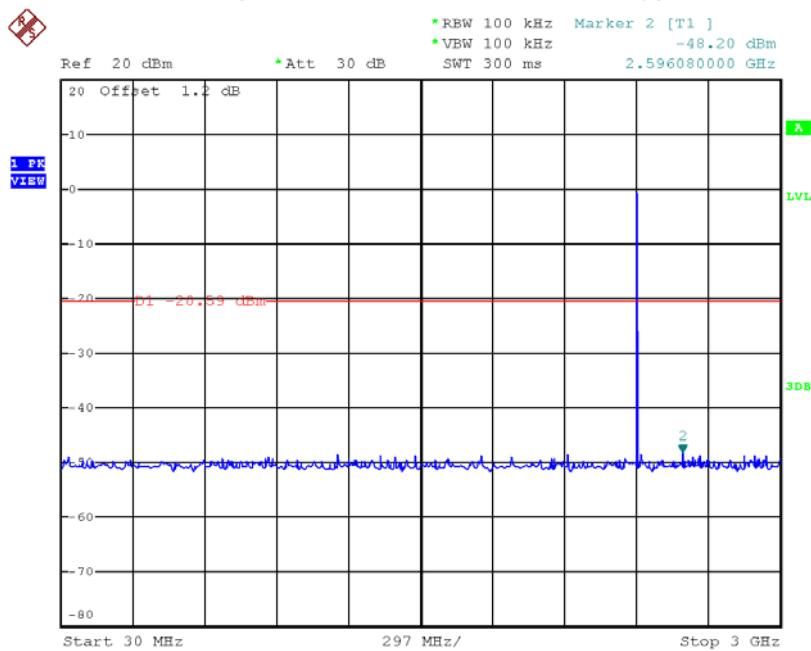
Date: 6.OCT.2017 18:14:34

CH78 Hopping on mode (Upper) _1Mbps


```
                                    *RBW 100 kHz   Marker 4 [T1 ]
                                    *VBW 100 kHz             -48.07 dBm
Ref  20 dBm          *Att  30 dB    SWT 10 ms       2.501200000 GHz
20  Offset  1.2 dB                               Marker 1 [T1 ]
                                                          0.81 dBm
-10                                                 2.475000000 GHz     A
                                                 Marker 2 [T1 ]
1                                                        -50.20 dBm
          D1 0.807 dBm                              2.483500000 GHz     LVL
                                                 Marker 3 [T1 ]
                                                         -50.21 dBm
-20       D2 19.193 dBm                             2.500000000 GHz
-30
                                                                        3DB
-40

-50    2              4

-60

-70       F1        F2
-80
Start 2.473 GHz          10 MHz/          Stop 2.573 GHz
```
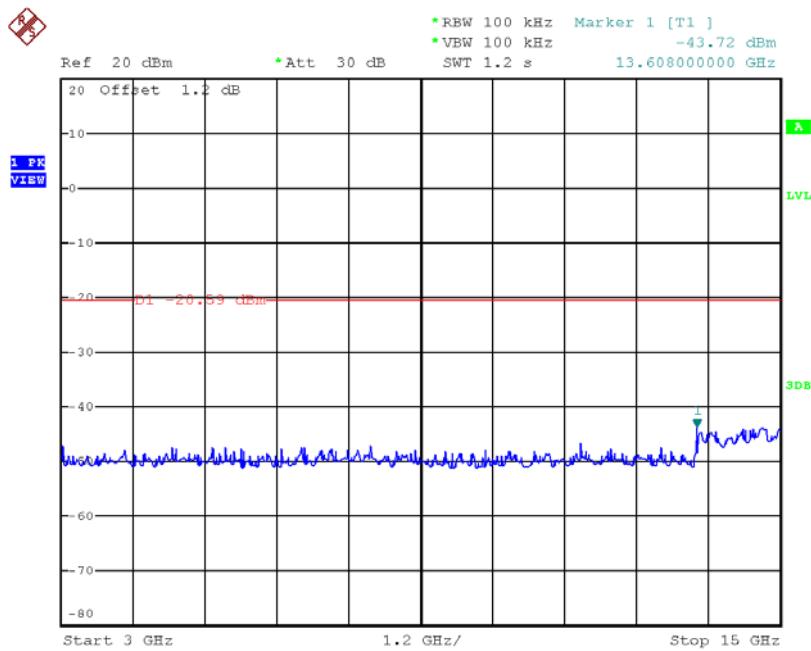
Date: 6.OCT.2017 18:15:24

CH00 (10 Harmonic of the frequency) _1Mbps

*RBW 100 kHz   Marker 2 [T1]
*VBW 100 kHz   -48.20 dBm
SWT 300 ms   2.596080000 GHz

Ref 20 dBm   *Att 30 dB

20 Offset 1.2 dB

Start 30 MHz   297 MHz/   Stop 3 GHz

Date: 6.OCT.2017 18:01:27

*RBW 100 kHz   Marker 1 [T1]
*VBW 100 kHz   -43.72 dBm
SWT 1.2 s   13.608000000 GHz

Ref 20 dBm   *Att 30 dB

20 Offset 1.2 dB

Start 3 GHz   1.2 GHz/   Stop 15 GHz

Date: 6.OCT.2017 18:01:33

```
                              *RBW 100 kHz   Marker 1 [T1 ]
                              *VBW 100 kHz            -39.32 dBm
    Ref  20 dBm    *Att  30 dB    SWT 1.15 s      25.557000000 GHz
    20 Offset  1.2 dB
                                                              A
   -10
1 PK
VIEW
    0                                                        LVL

   -10

   -20  D1 -20.59 dBm

   -30

   -40                                          1           3DB

   -50

   -60

   -70

   -80
    Start 15 GHz          1.15 GHz/         Stop 26.5 GHz
```

Date: 6.OCT.2017 18:01:40

CH39 (10 Harmonic of the frequency) _1Mbps

```
                              *RBW 100 kHz   Marker 2 [T1 ]
                              *VBW 100 kHz            -56.47 dBm
    Ref  10 dBm    *Att  20 dB    SWT 300 ms      2.602020000 GHz
    10 Offset  1.2 dB
                                                              A
    0
1 PK
VIEW
   -10                                                       LVL

   -20  D1 -20.89 dBm

   -30

   -40

   -50                                                       3DB

   -60                                        2

   -70

   -80

   -90
    Start 30 MHz           297 MHz/          Stop 3 GHz
```

Date: 5.JAN.2018 10:30:07

Date: 5.JAN.2018 10:30:14

Date: 5.JAN.2018 10:30:21

CH78 (10 Harmonic of the frequency) _1Mbps

Date: 6.OCT.2017 18:04:34
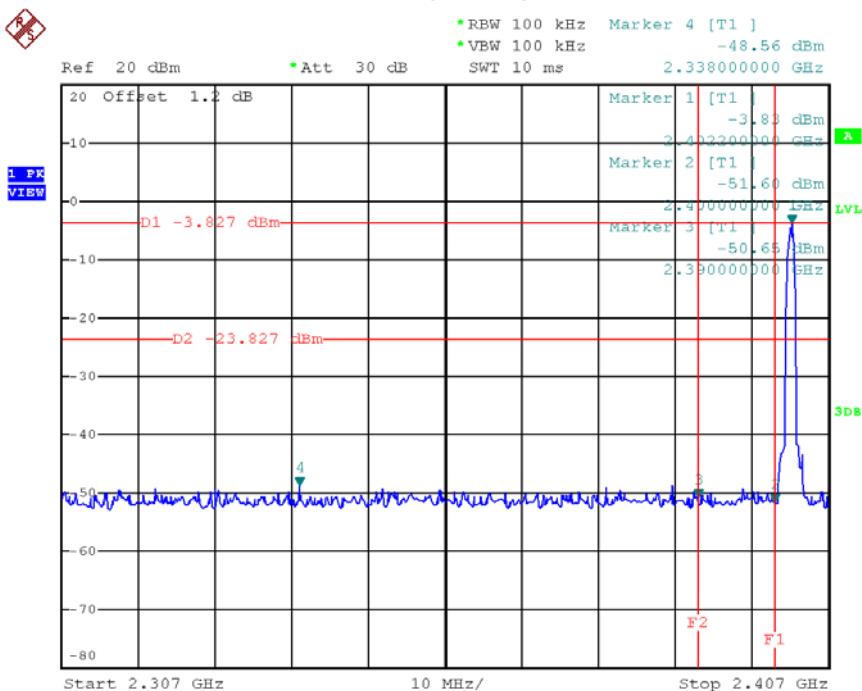

Date: 6.OCT.2017 18:04:41
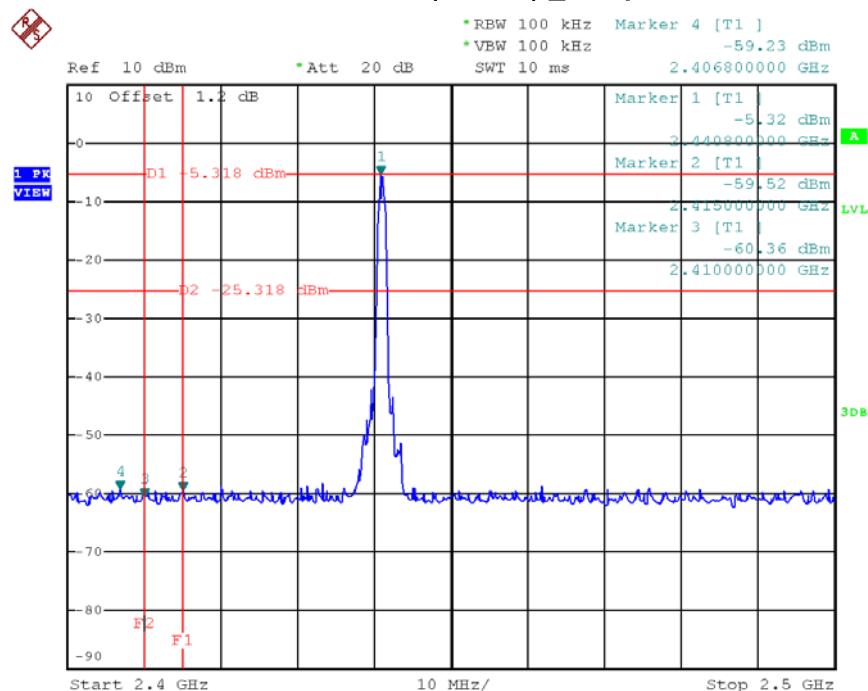
Date: 6.OCT.2017 18:04:47

CH00 (Lower) _3Mbps
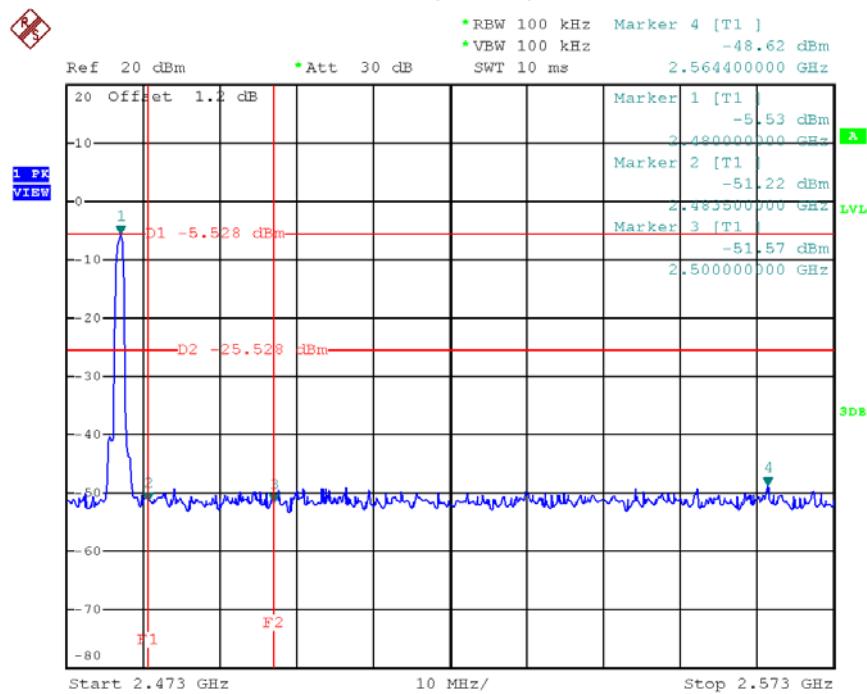
Date: 6.OCT.2017 18:21:42

CH39 (Middle) _3Mbps
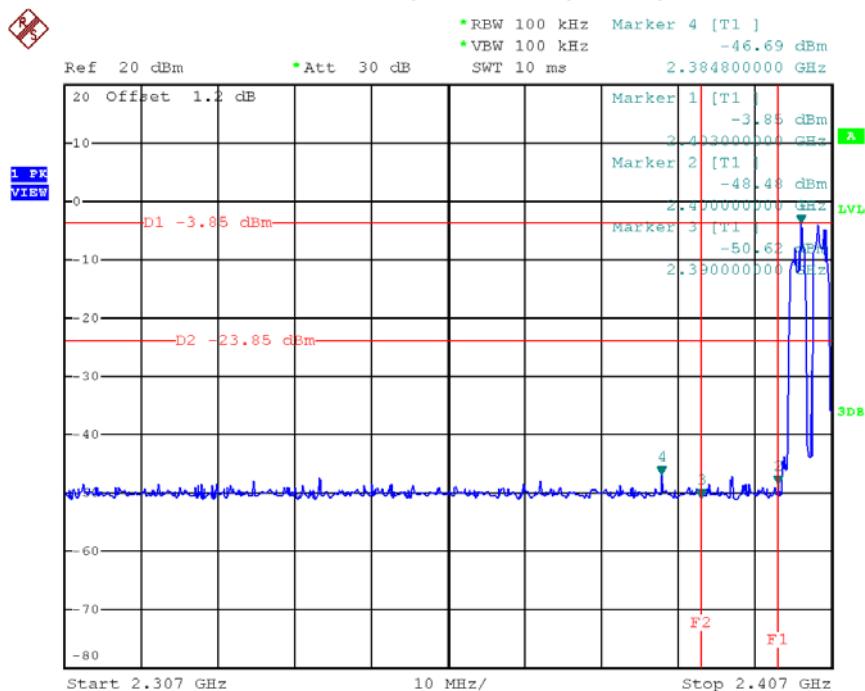
Date: 5.JAN.2018 10:21:01

CH78 (Lower) _3Mbps


```
                                    *RBW  100 kHz   Marker 4 [T1 ]
                                    *VBW  100 kHz              -48.62 dBm
         Ref   20 dBm      *Att  30 dB    SWT 10 ms      2.564400000 GHz

         20  Offset  1.2 dB                      Marker 1 [T1 ]
                                                            -5.53 dBm
        -10                                          2.480000000 GHz      A
                                                Marker 2 [T1 ]
          0                                                 -51.22 dBm
                                                   2.483500000 GHz     LVL
          1                                     Marker 3 [T1 ]
        -10   D1 -5.528 dBm                                 -51.57 dBm
                                                   2.500000000 GHz
        -20
              D2 -25.528 dBm                                          3DB
        -30
        -40
        -50
        -60
        -70
        -80   F1          F2
         Start 2.473 GHz       10 MHz/         Stop 2.573 GHz
```
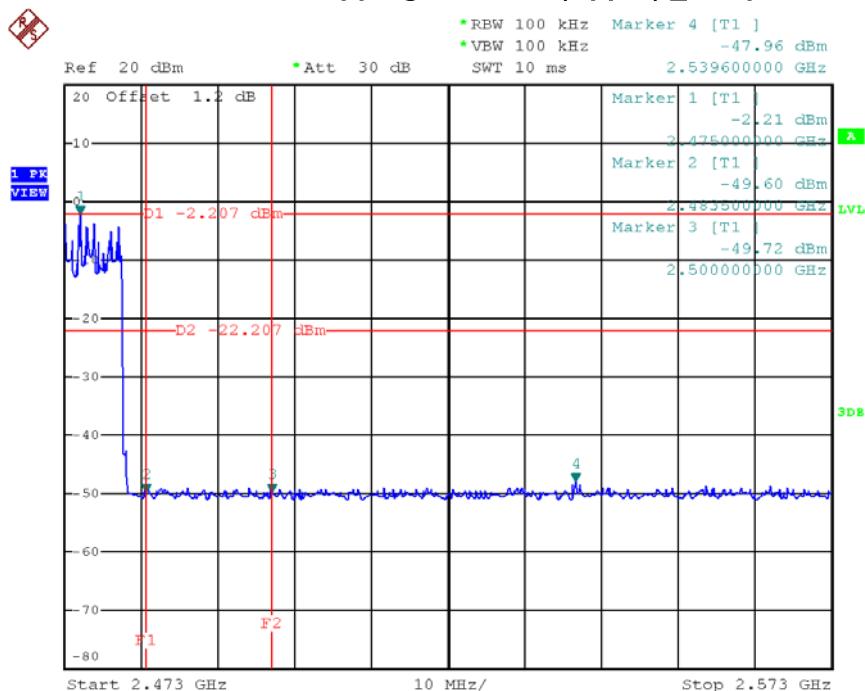
Date: 6.OCT.2017 18:25:01

CH00 Hopping on mode (Lower)_3Mbps
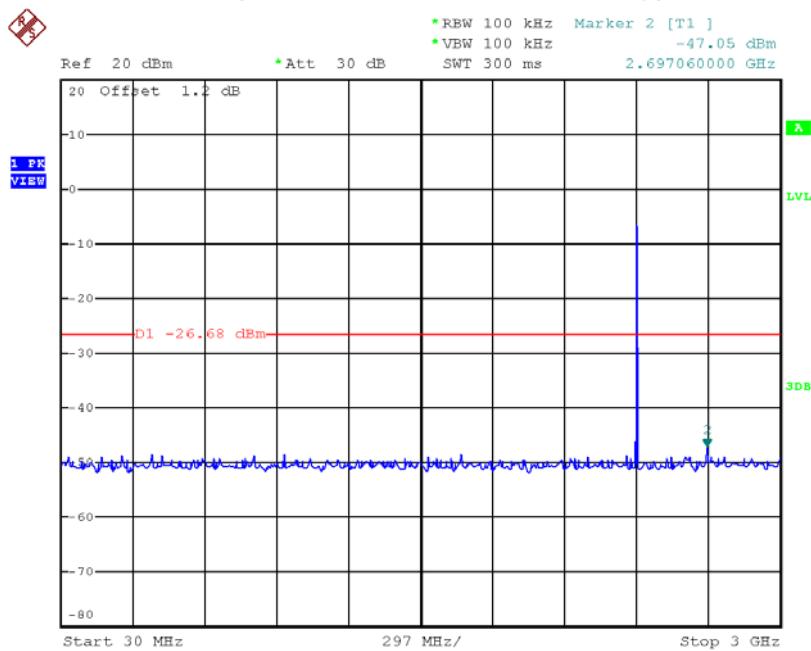
Date: 6.OCT.2017 18:35:34
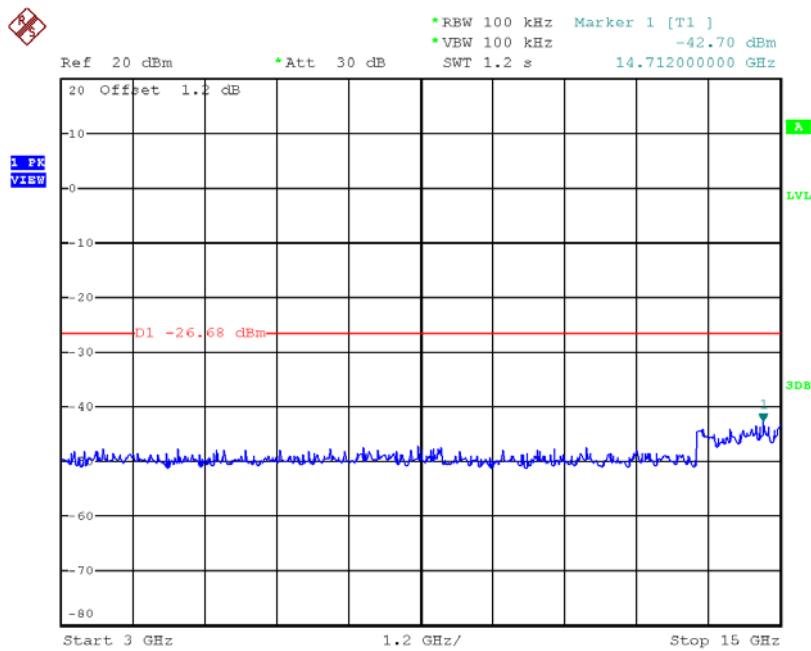
CH78 Hopping on mode (Upper) _3Mbps
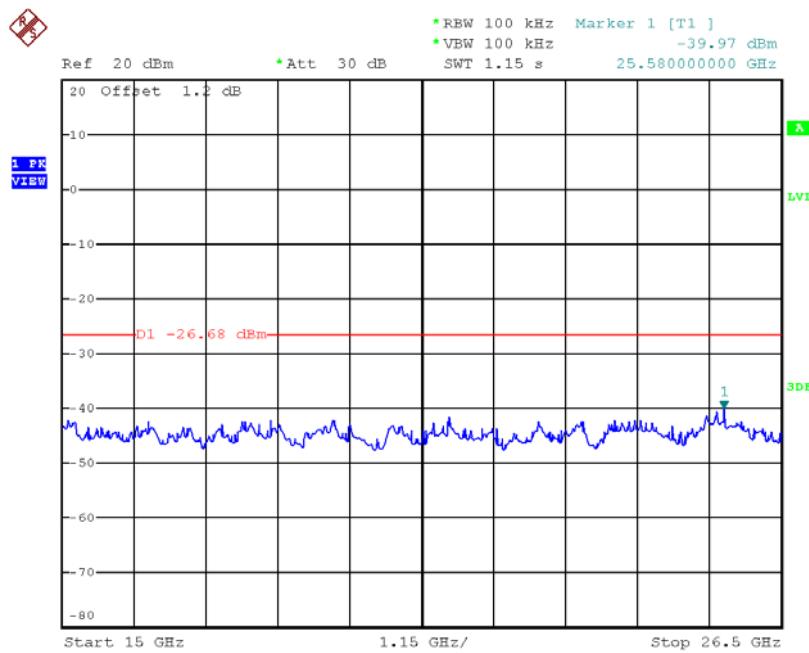
Date: 6.OCT.2017 18:36:08

CH00 (10 Harmonic of the frequency) _3Mbps

```
                                  *RBW 100 kHz  Marker 2 [T1 ]
                                  *VBW 100 kHz              -47.05 dBm
     Ref  20 dBm        *Att  30 dB     SWT 300 ms      2.697060000 GHz

     20 Offset  1.2 dB                                               A

 1 PK
 VIEW                                                               LVL

  -10

    0

  -10

  -20                                                               3DB

  D1 -26.68 dBm
  -30

  -40

  -50

  -60

  -70

  -80
     Start 30 MHz              297 MHz/              Stop 3 GHz
```

Date: 6.OCT.2017 18:22:25

```
                                  *RBW 100 kHz  Marker 1 [T1 ]
                                  *VBW 100 kHz              -42.70 dBm
     Ref  20 dBm        *Att  30 dB     SWT 1.2 s       14.712000000 GHz

     20 Offset  1.2 dB                                               A

 1 PK
 VIEW                                                               LVL

  -10

    0

  -10

  -20

  D1 -26.68 dBm                                                     3DB
  -30

  -40

  -50

  -60

  -70

  -80
     Start 3 GHz               1.2 GHz/             Stop 15 GHz
```
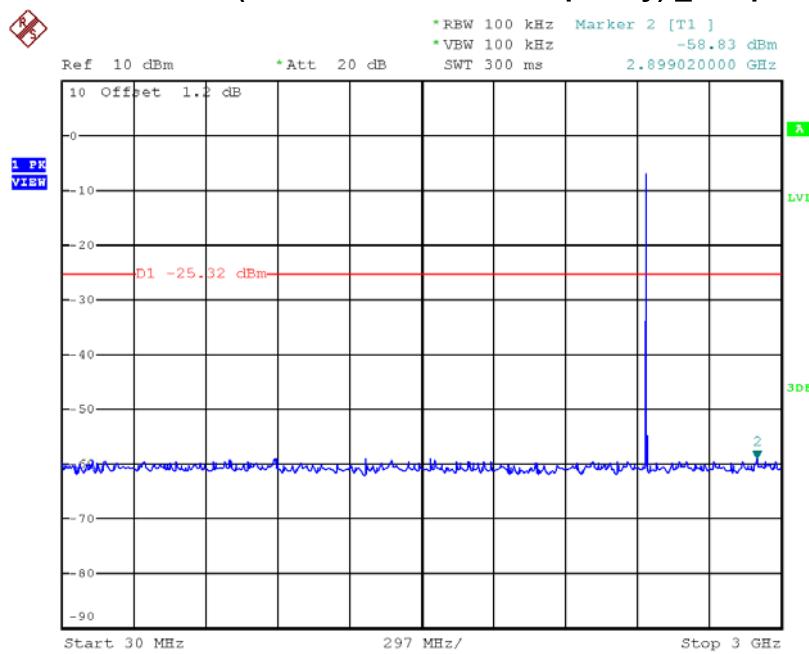
Date: 6.OCT.2017 18:22:32
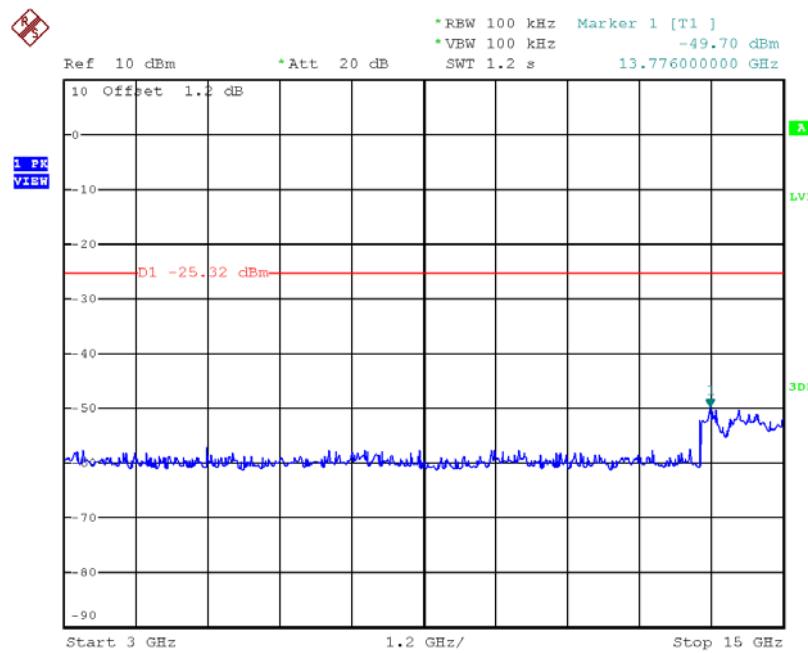
Date: 6.OCT.2017 18:22:39
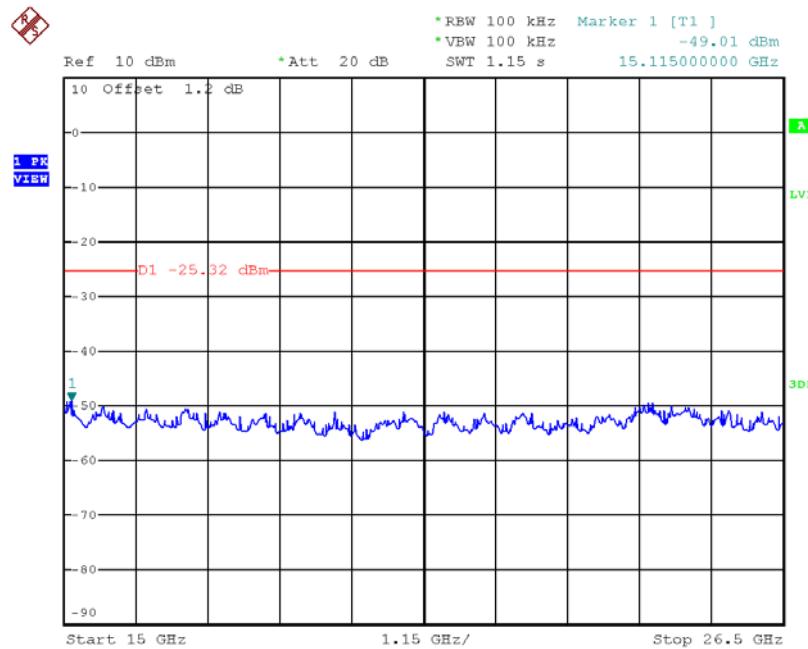
CH39 (10 Harmonic of the frequency) _3Mbps

Date: 5.JAN.2018 10:21:17
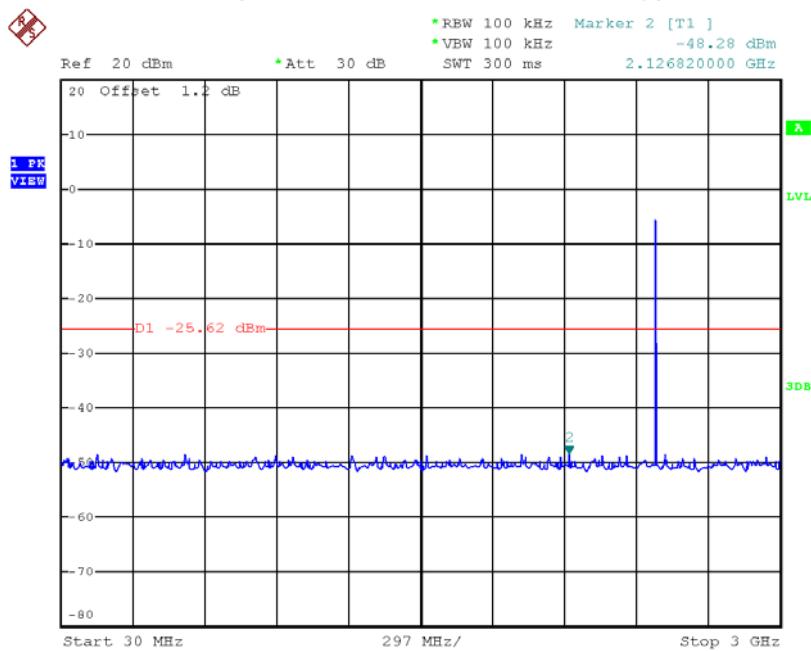
Date: 5.JAN.2018 10:21:24
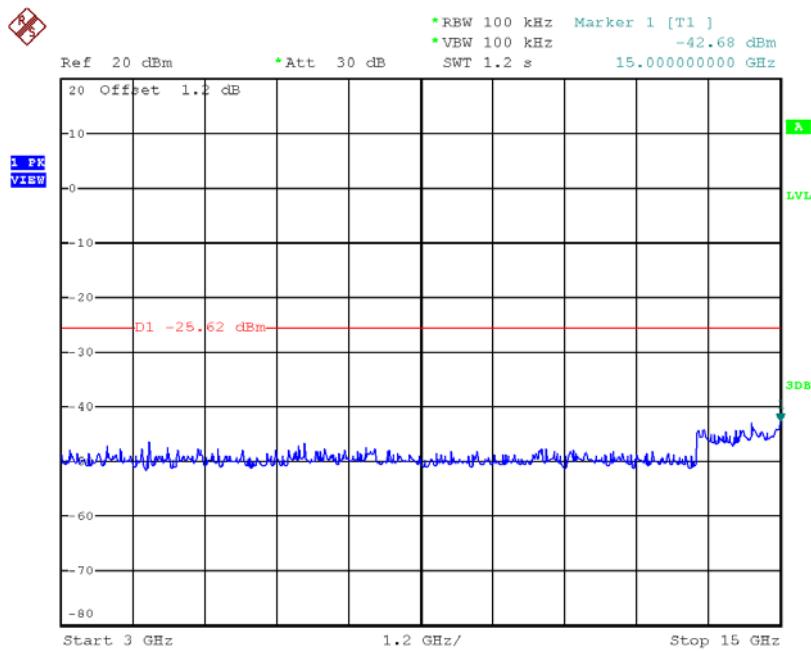

Date: 5.JAN.2018 10:21:31

# CH78 (10 Harmonic of the frequency) _3Mbps


```
                          *RBW 100 kHz   Marker 2 [T1 ]
                          *VBW 100 kHz          -48.28 dBm
Ref  20 dBm      *Att  30 dB    SWT 300 ms    2.126820000 GHz
20 Offset  1.2 dB                                           A
-10
-0                                                         LVL
-10
-20
D1 -25.62 dBm                                              3DB
-30
-40
-50
-60
-70
-80
Start 30 MHz              297 MHz/            Stop 3 GHz
```

Date: 6.OCT.2017 18:25:42


```
                          *RBW 100 kHz   Marker 1 [T1 ]
                          *VBW 100 kHz          -42.68 dBm
Ref  20 dBm      *Att  30 dB    SWT 1.2 s    15.000000000 GHz
20 Offset  1.2 dB                                           A
-10
-0                                                         LVL
-10
-20
D1 -25.62 dBm
-30
-40                                                        3DB
-50
-60
-70
-80
Start 3 GHz               1.2 GHz/           Stop 15 GHz
```
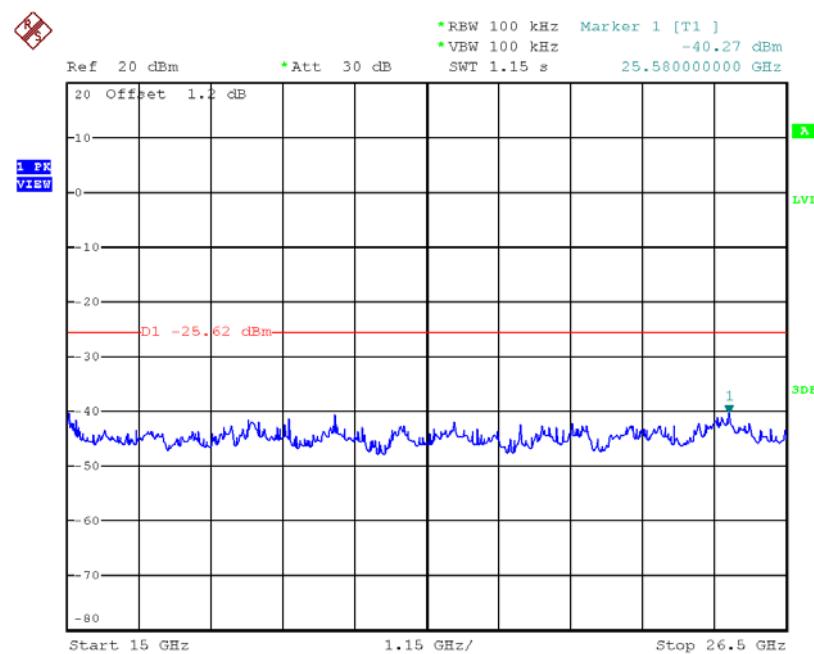
Date: 6.OCT.2017 18:25:49

Date: 6.OCT.2017 18:25:56