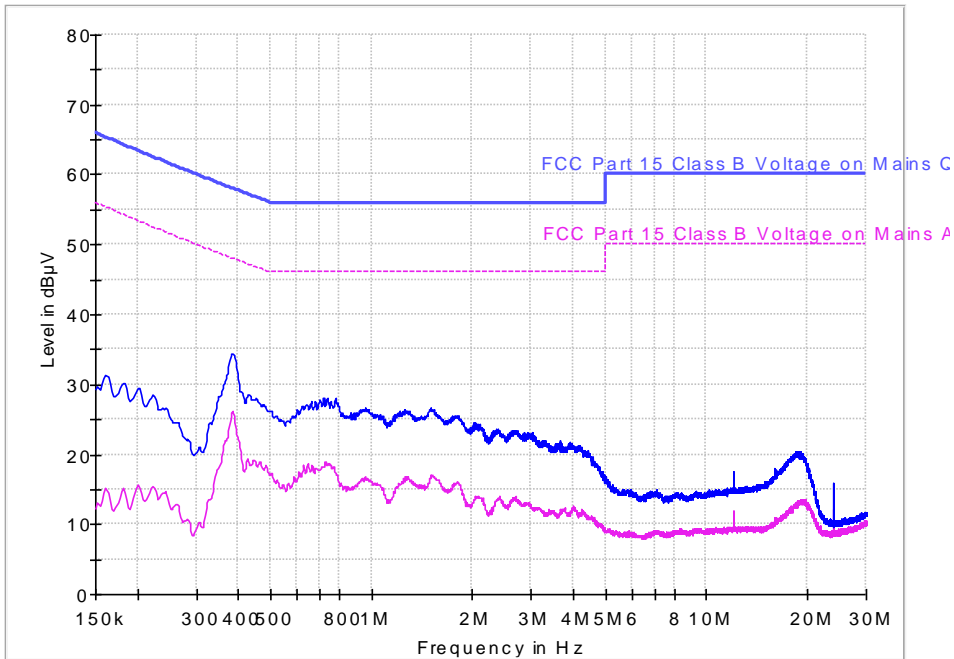# Appendix 1
Test Results

AC Mains Conducted Emission (15.207)
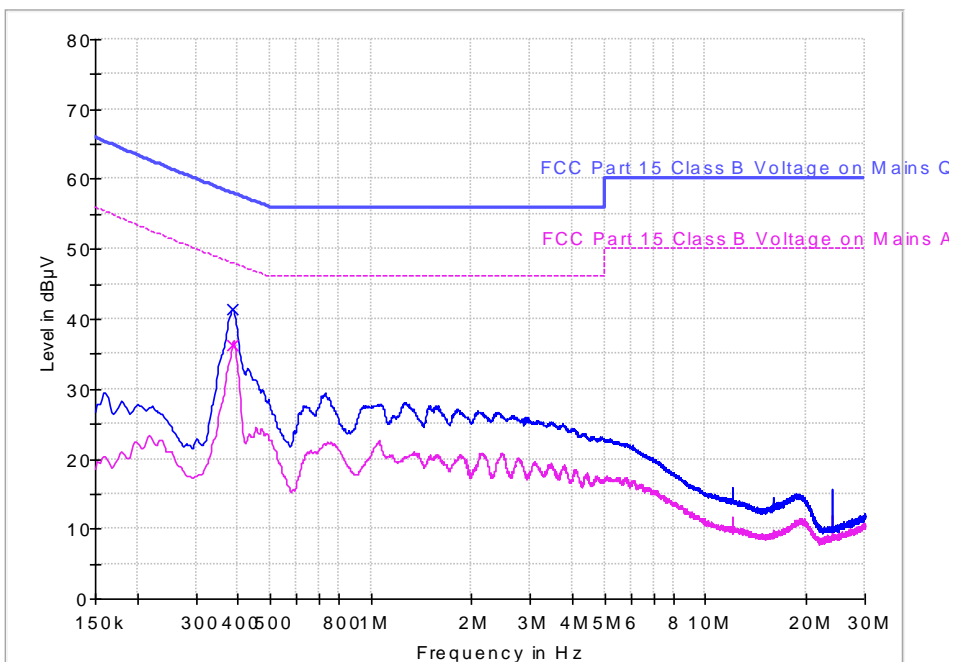
Mode: TX mode; Line: L1

Conducted Emission (150 kHz - 30 MHz)
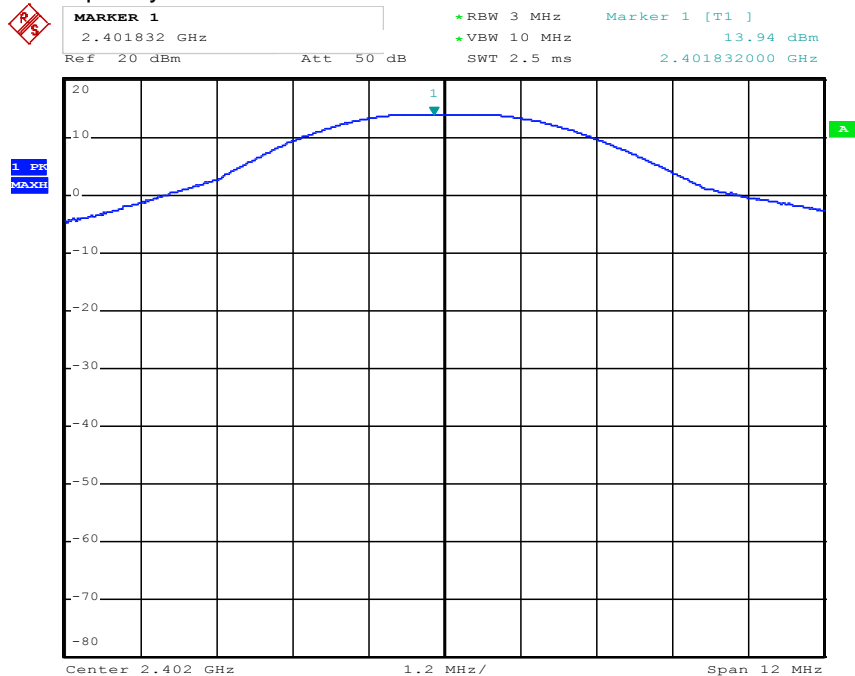

Mode: TX mode; Line: N

Conducted Emission (150 kHz - 30 MHz)

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Peak Output Power

Tx frequency: 2402 MHz

MARKER 1			★RBW 3 MHz	Marker 1 [T1]
2.401832 GHz			★VBW 10 MHz	13.94 dBm
Ref 20 dBm		Att 50 dB	SWT 2.5 ms	2.401832000 GHz

Comment: test print
Date: 14.JAN.2016 16:50:04

Tx frequency: 2440 MHz

MARKER 1			★RBW 3 MHz	Marker 1 [T1]
2.440288 GHz			★VBW 10 MHz	13.11 dBm
Ref 20 dBm		Att 50 dB	SWT 2.5 ms	2.440288000 GHz
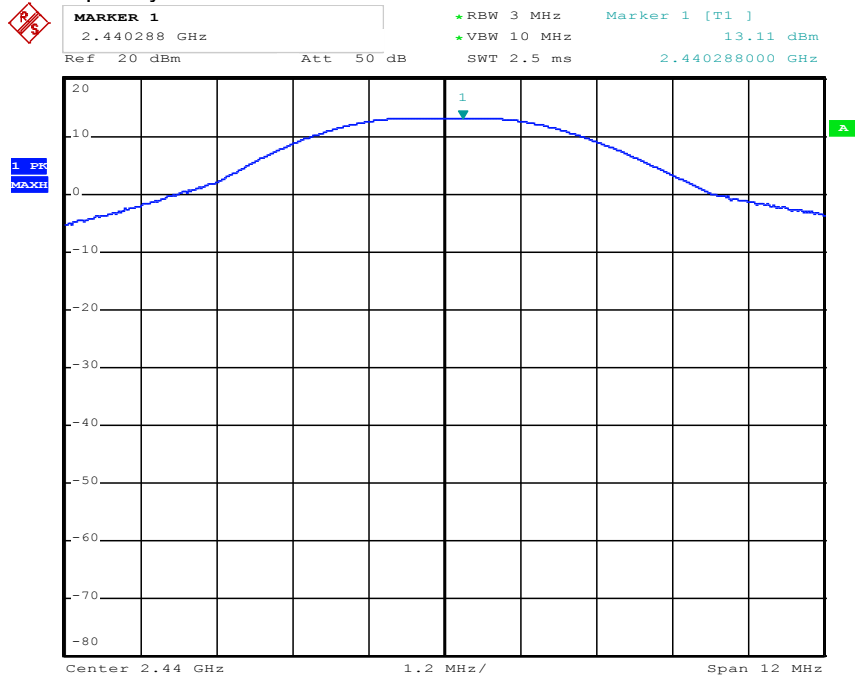
Comment: test print
Date: 14.JAN.2016 17:17:35

Tx frequency: 2479 MHz

MARKER 1		*RBW 3 MHz	Marker 1 [T1]
2.478808 GHz		*VBW 10 MHz	12.84 dBm
Ref 20 dBm	Att 50 dB	SWT 2.5 ms	2.478808000 GHz

```
Center 2.479 GHz          1.2 MHz/          Span 12 MHz
```
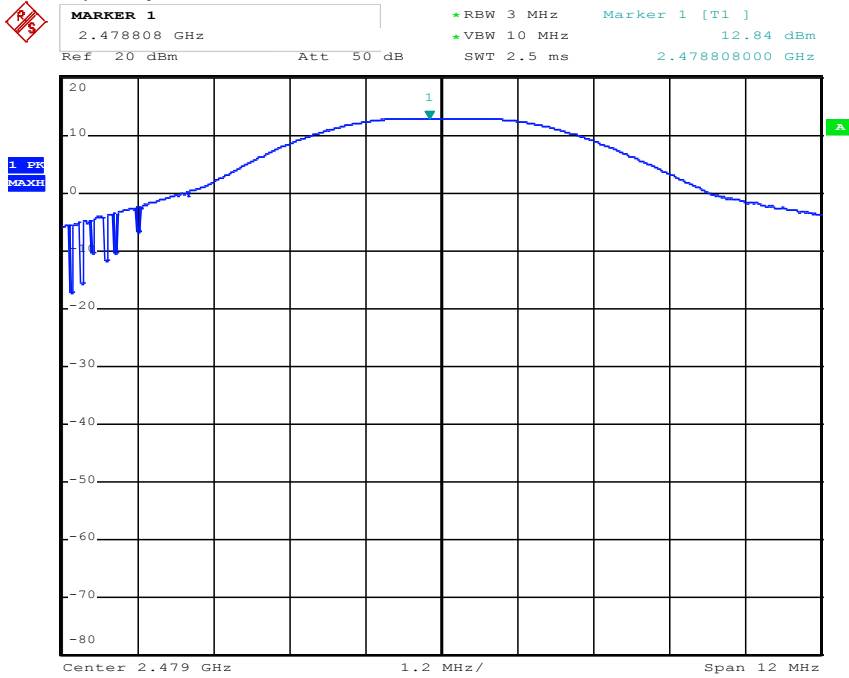
Comment: test print
Date: 14.JAN.2016 17:16:30

20dB Bandwidth

Tx frequency: 2402MHz

MARKER 1			RBW 30 kHz	Marker 1 [T1]
2.401 GHz			VBW 100 kHz	-8.79 dBm
Ref 20 dBm	Att 50 dB	SWT 10 ms		2.401000000 GHz

Center 2.402 GHz   500 kHz/   Span 5 MHz

Comment: test print
Date: 14.JAN.2016 17:02:52

Tx frequency: 2440MHz

MARKER 1			RBW 30 kHz	Marker 1 [T1]
2.43899 GHz			VBW 100 kHz	-7.16 dBm
Ref 20 dBm	Att 50 dB	SWT 10 ms		2.438990000 GHz

Center 2.44 GHz   500 kHz/   Span 5 MHz

Comment: test print
Date: 14.JAN.2016 17:04:54

Tx frequency: 2479MHz

MARKER 1			*RBW 30 kHz	Marker 1 [T1]
2.47799 GHz			*VBW 100 kHz	−6.27 dBm
Ref 20 dBm		Att 50 dB	SWT 10 ms	2.477990000 GHz

Delta 1 [T1]
−0.66 dB
2.110000000 MHz

1 PK
MAXH

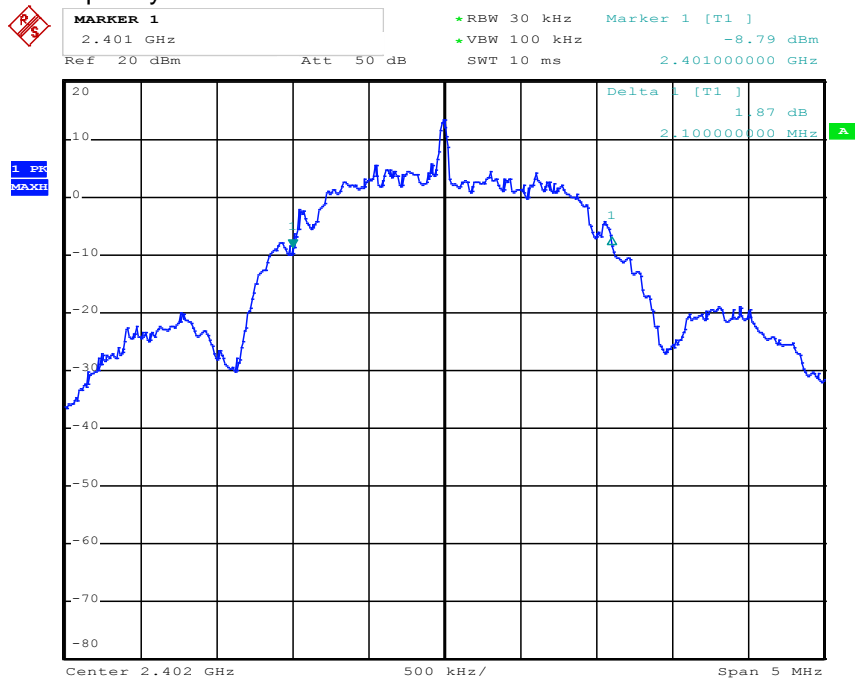Center 2.479 GHz   500 kHz/   Span 5 MHz

Comment: test print
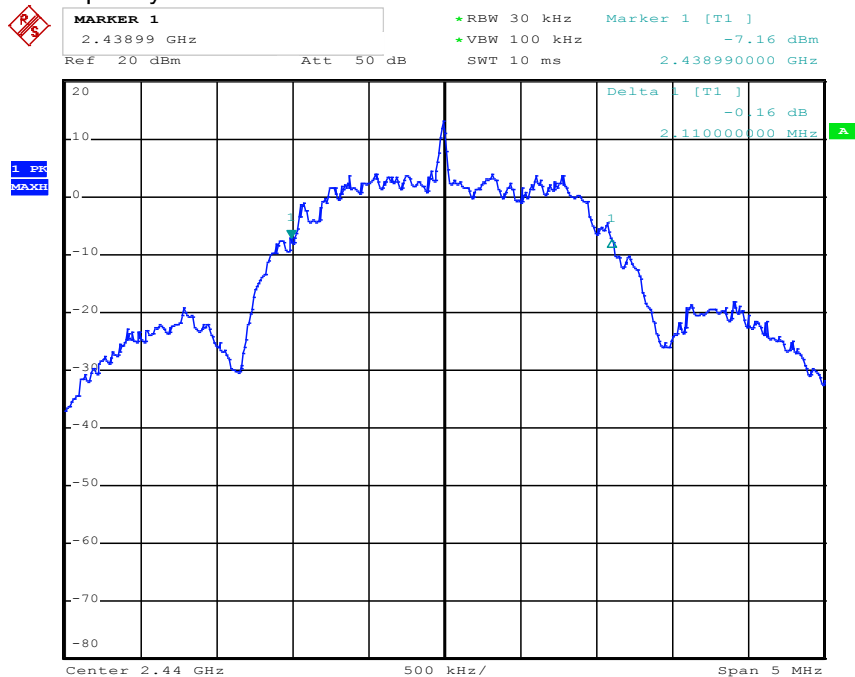Date: 14.JAN.2016 17:06:05

99% Bandwidth

Tx frequency: 2402MHz

Comment: test print
Date: 14.JAN.2016 17:11:11

Tx frequency: 2440MHz

Comment: test print
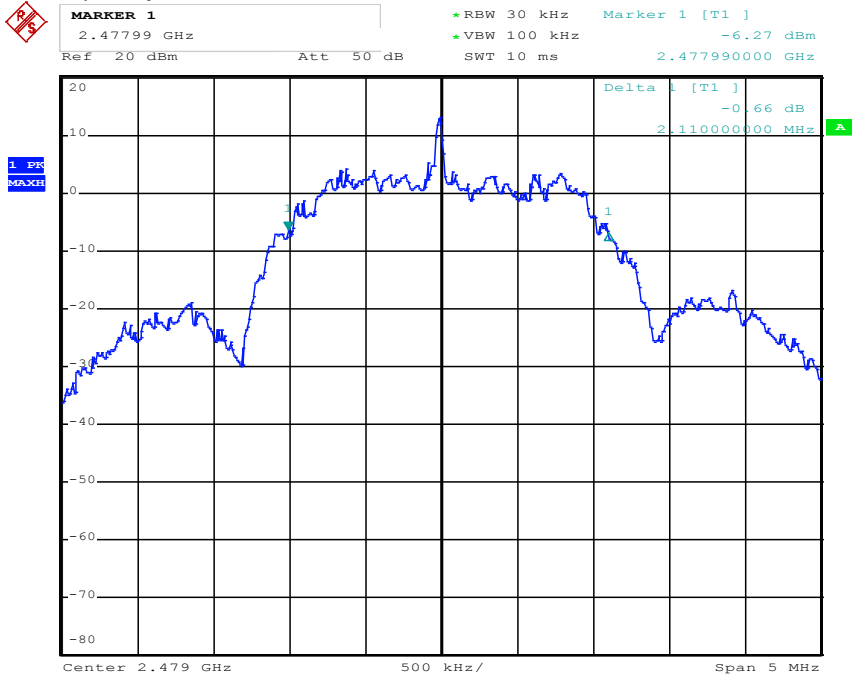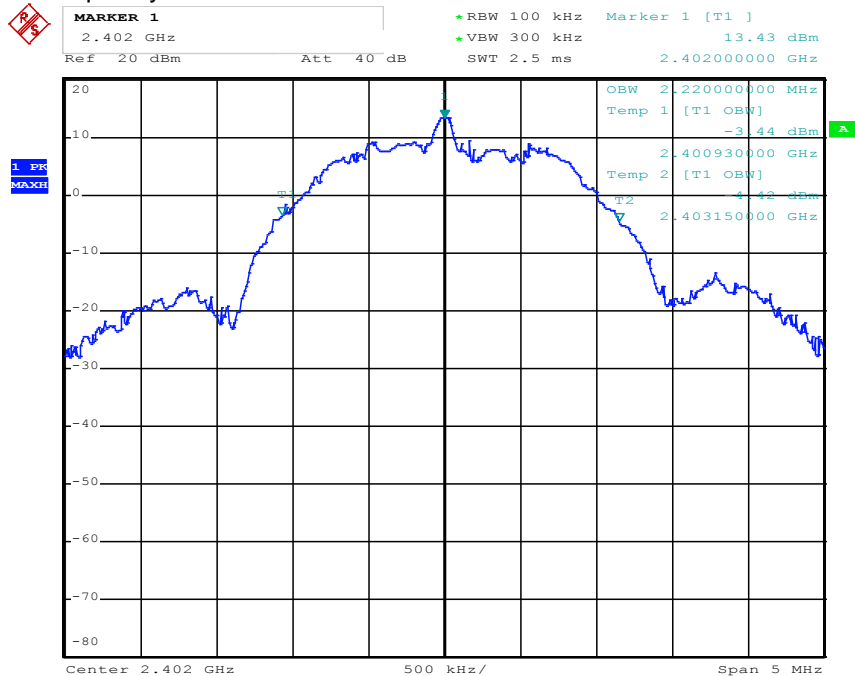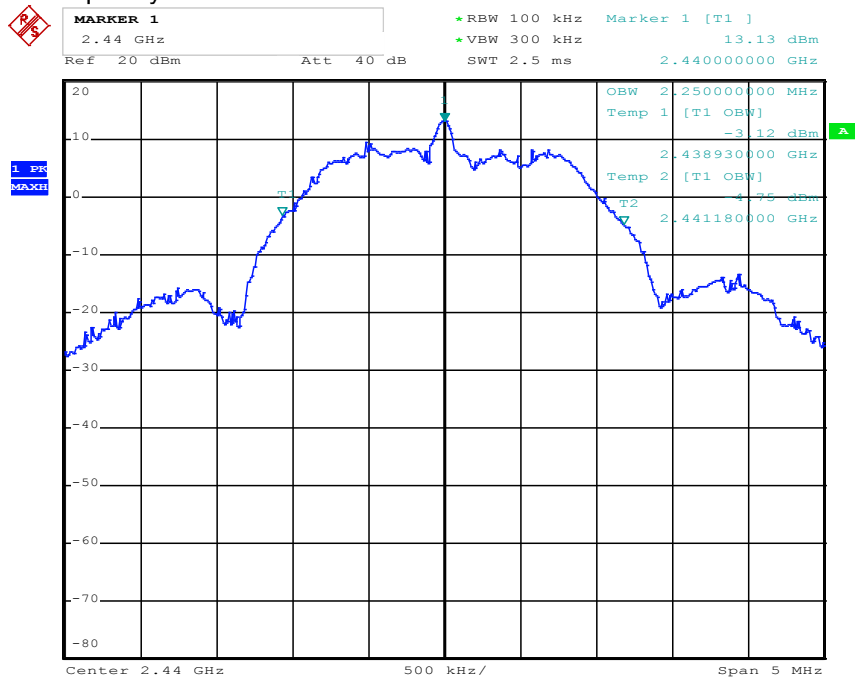Date: 14.JAN.2016 17:10:10

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Tx frequency: 2479MHz
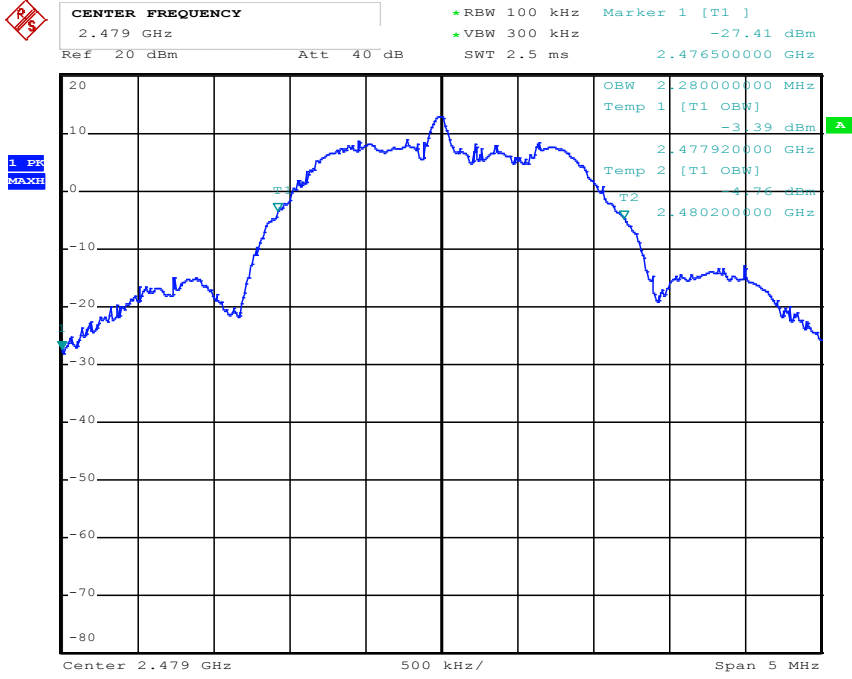
Comment: test print
Date: 14.JAN.2016 17:14:40

Carrier Frequency Separation

```
DELTA MARKER 1                    *RBW 100 kHz   Delta 1 [T1 ]
 2 MHz                            *VBW 300 kHz              -0.04 dB
Ref  30 dBm         *Att  50 dB   *SWT 5 ms      2.000000000 MHz

 30                                             Marker 1 [T1
                                                        18.66 dBm
 20                                             2.401990000 GHz  A
 10
  0
-10
-20
-30
-40
-50
-60
-70
Center 2.403 GHz           500 kHz/              Span 5 MHz
```
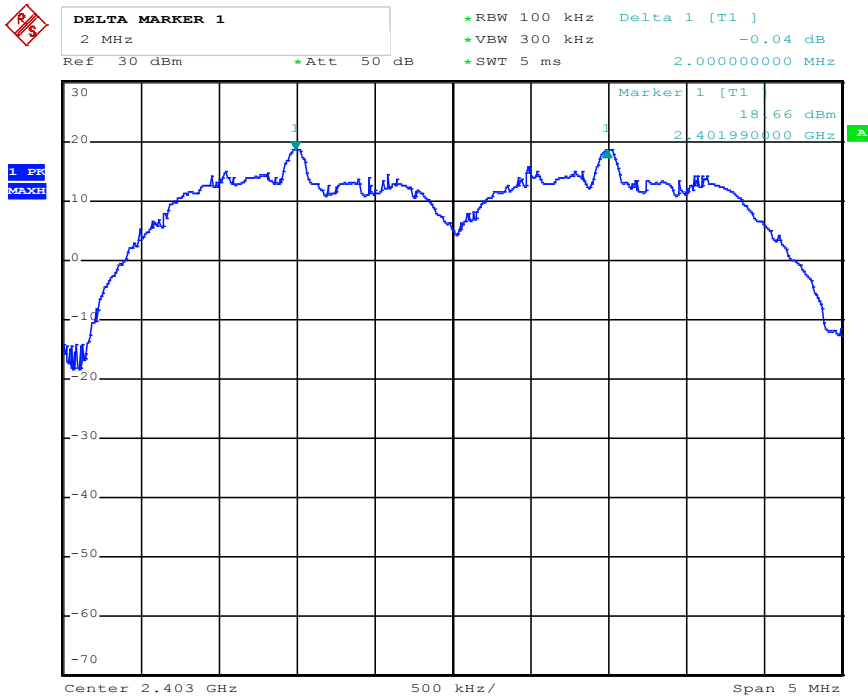
Date: 10.NOV.2015 14:49:08

Number of hopping channels

START FREQUENCY		*RBW 300 kHz	Marker 1 [T1]
2.4 GHz		*VBW 1 MHz	18.56 dBm
Ref 30 dBm	*Att 50 dB	*SWT 5 ms	2.403948000 GHz

```
  30
1 PK   20                    1
MAXH   10

   0

 -10

 -20

 -30

 -40

 -50

 -60

 -70
Start 2.4 GHz          4.2 MHz/              Stop 2.442 GHz
```

Date: 10.NOV.2015 14:54:28

STOP FREQUENCY		*RBW 300 kHz	Marker 1 [T1]
2.484 GHz		*VBW 1 MHz	-13.87 dBm
Ref 30 dBm	*Att 50 dB	*SWT 5 ms	2.442000000 GHz

```
  30
1 PK   20
MAXH   10

   0

 -10

 -20

 -30

 -40

 -50

 -60

 -70
Start 2.442 GHz        4.2 MHz/              Stop 2.484 GHz
```
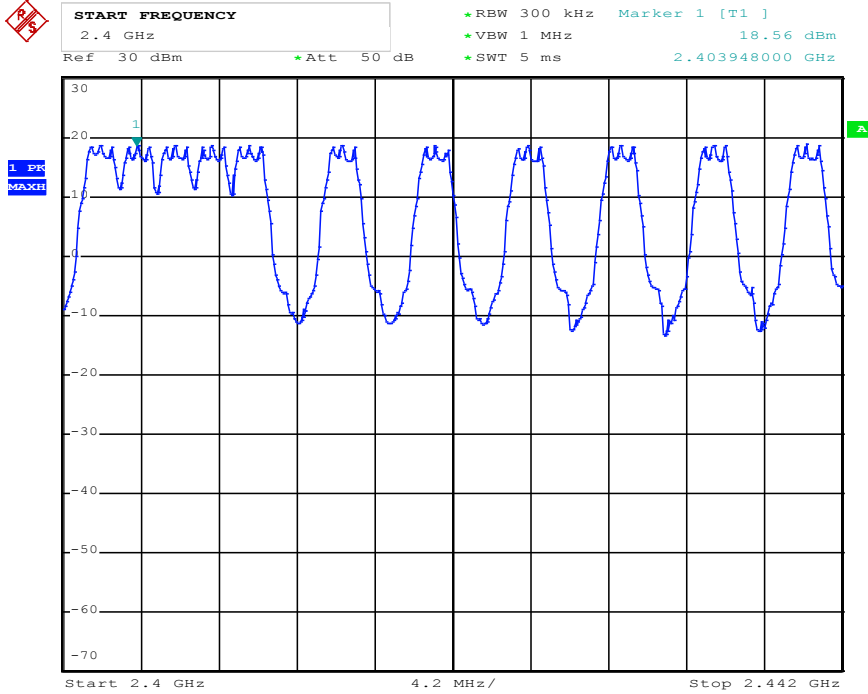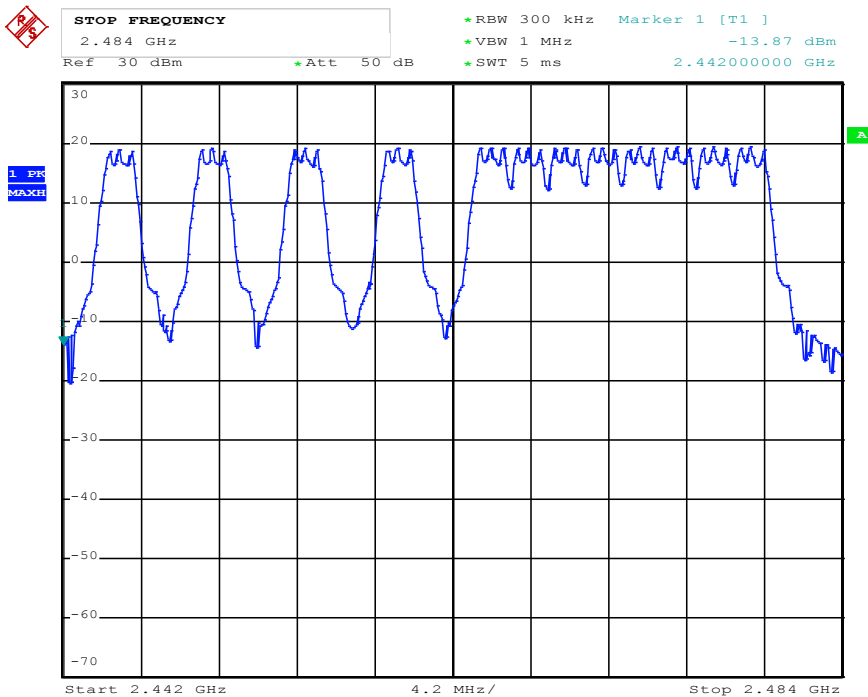
Date: 10.NOV.2015 14:56:58

Dwell Time

	SWEEP TIME		RBW 1 MHz
	9.2 s		*VBW 1 MHz
	Ref 30 dBm	*Att 50 dB	SWT 9.2 s


```
Center 2.402 GHz                        920 ms/
```

Date: 10.NOV.2015 15:44:56

	SWEEP TIME		RBW 1 MHz
	2.3 s		*VBW 1 MHz
	Ref 30 dBm	*Att 50 dB	SWT 2.3 s


```
Center 2.402 GHz                        230 ms/
```

Date: 10.NOV.2015 15:45:35

DELTA MARKER 1		RBW 1 MHz	Delta 1 [T1]
2.34 ms		*VBW 1 MHz	−0.15 dB
Ref 30 dBm	*Att 50 dB	SWT 10 ms	2.340000 ms

Marker 1 [T1
17.14 dBm
867.361738 as

A
SGL
TRG

1 PK
MAXH

TRG 14.6 dBm

Center 2.402 GHz   1 ms/
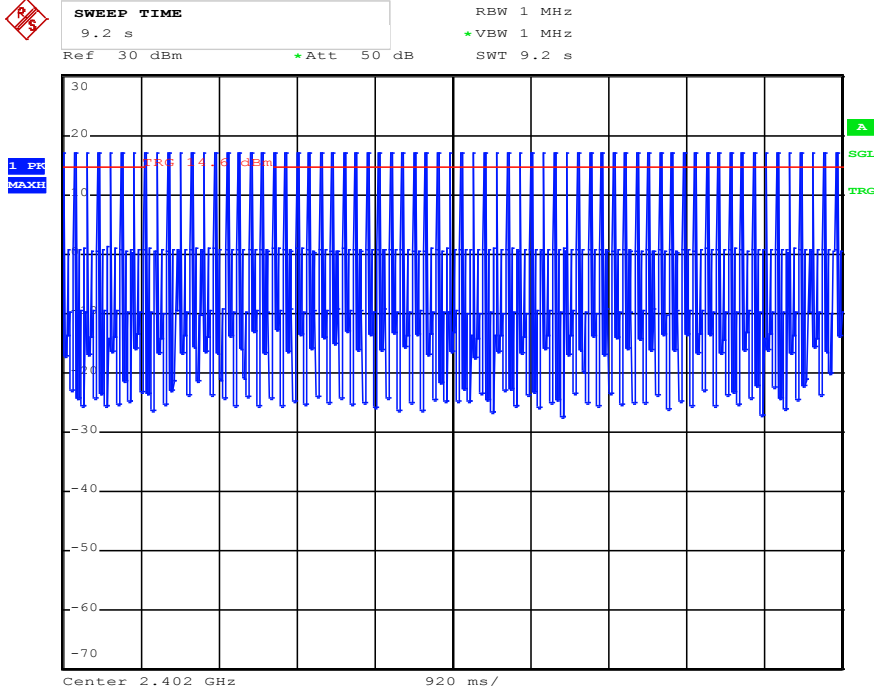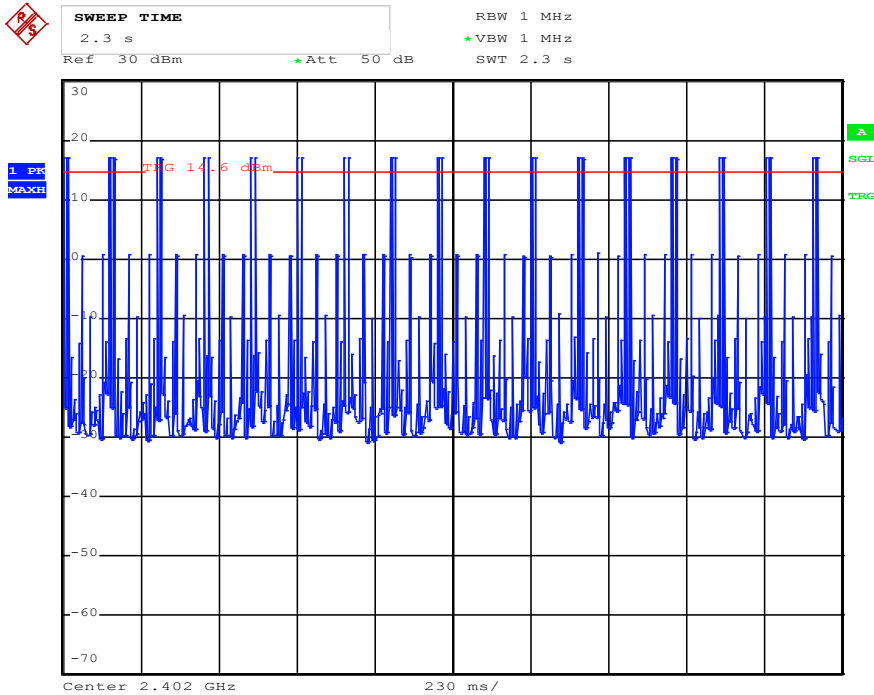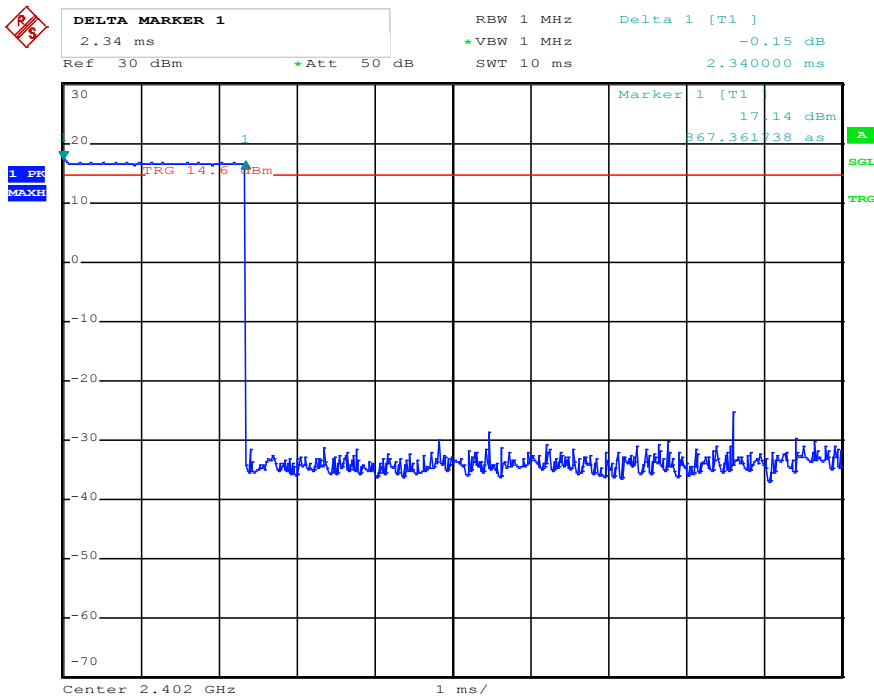
Date: 10.NOV.2015 15:42:04

Spurious Emissions - Conducted

Tx frequency: 2402MHz

```
                              ★ RBW 100 kHz   Marker 1 [T1 ]
                                VBW 300 kHz              -33.27 dBm
    Ref  20 dBm      Att  50 dB  SWT 100 ms    1.000000000 MHz
```



```
Start 1 MHz          99.9 MHz/              Stop 1 GHz
```
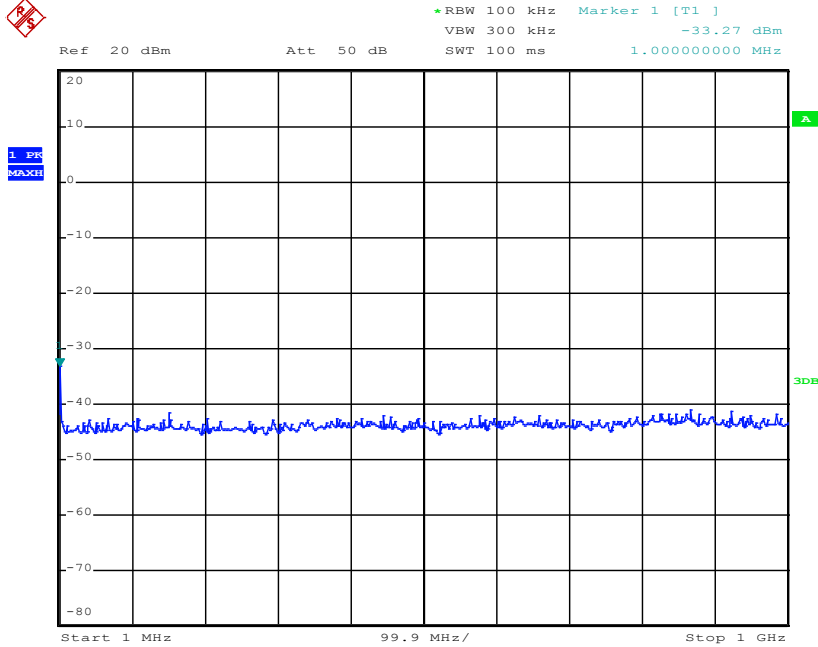
Date: 18.FEB.2016 09:32:41

Tx frequency: 2402MHz

```
                              ★ RBW 100 kHz   Delta 1 [T1 ]
                                VBW 300 kHz              -45.04 dB
    Ref  20 dBm      Att  50 dB  SWT 1.2 s     6.864000000 GHz
                                              Marker 1 [T1 ]
                                                         14.47 dBm
                                                  2.392000000 GHz
```



```
Start 1 GHz          1.2 GHz/               Stop 13 GHz
```
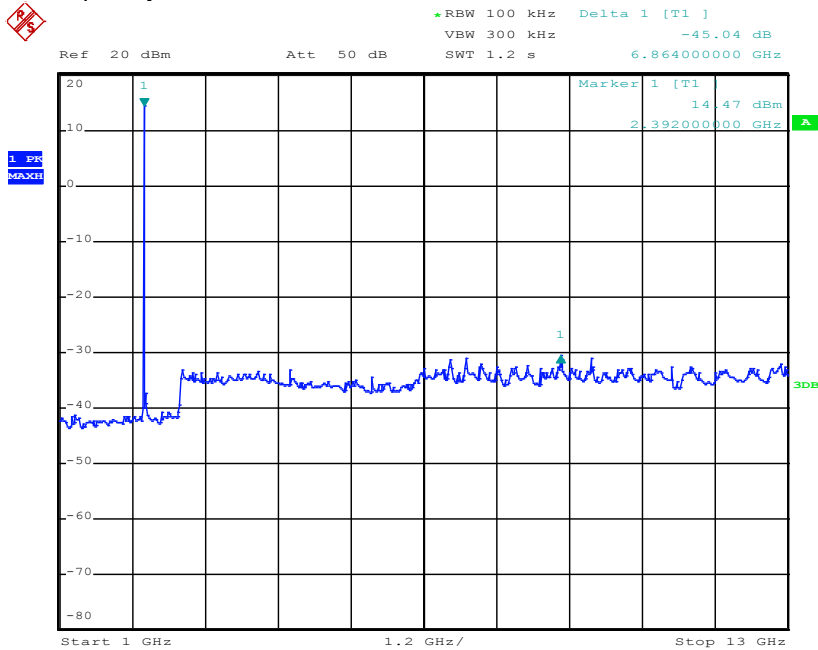
Date: 18.FEB.2016 09:30:07

Tx frequency: 2402MHz

MARKER 1		*RBW 100 kHz	Marker 1 [T1]	
22.624 GHz		*VBW 300 kHz	-22.16 dBm	
Ref 30 dBm	*Att 50 dB	SWT 1.2 s	22.624000000 GHz	

1 PK
MAXH

30
20
10
0
-10
-20
-30
-40
-50
-60
-70

Start 13 GHz   1.2 GHz/   Stop 25 GHz
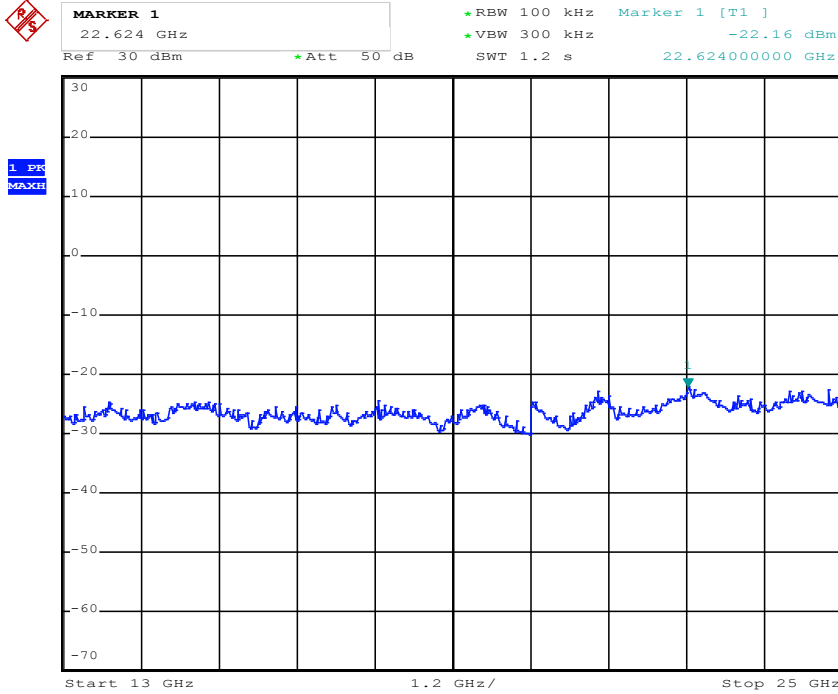
Date: 10.NOV.2015 13:50:58

Tx frequency: 2402MHz (hopping off)

DELTA MARKER 1		*RBW 100 kHz	Delta 1 [T1]	
-2 MHz		*VBW 300 kHz	-32.71 dB	
Ref 20 dBm	Att 50 dB	SWT 2.5 ms	-2.000000000 MHz	

Marker 1 [T1
13.39 dBm
2.402000000 GHz

1 PK
MAXH

20
10
0
-10
-20
-30
-40
-50
-60
-70
-80

Center 2.4 GHz   1 MHz/   Span 10 MHz
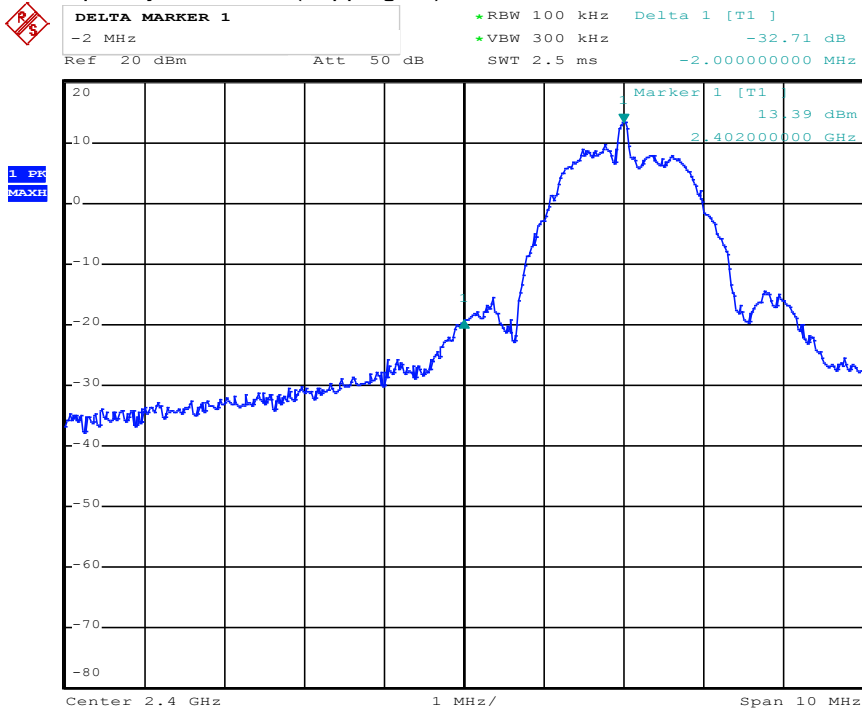
Comment: test print
Date: 14.JAN.2016 17:19:40

Tx frequency: 2402MHz (hopping on)

DELTA MARKER 1		* RBW 100 kHz	Delta 1 [T1]
-2 MHz		* VBW 300 kHz	-32.76 dB
Ref 20 dBm	Att 50 dB	SWT 2.5 ms	-2.000000000 MHz

```
20                                          Marker 1 [T1 ]
10                                                  13.43 dBm
                                                2.402000000 GHz   A
 0

-10

-20

-30

-40

-50

-60

-70

-80
Center 2.4 GHz        1 MHz/              Span 10 MHz
```

1 PK
MAXH
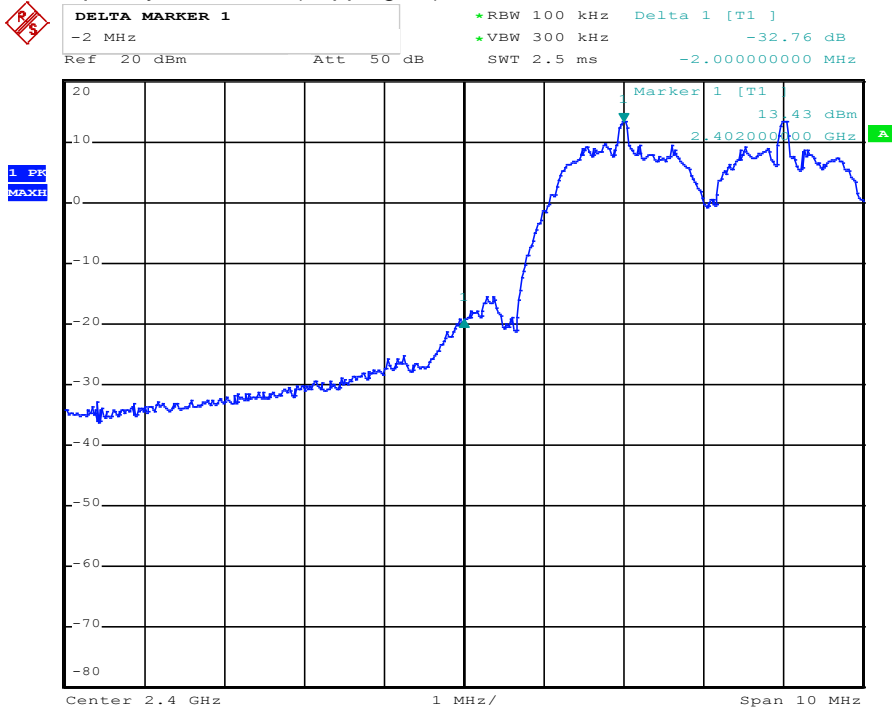
Comment: test print
Date: 14.JAN.2016 17:20:46

Tx frequency: 2440MHz
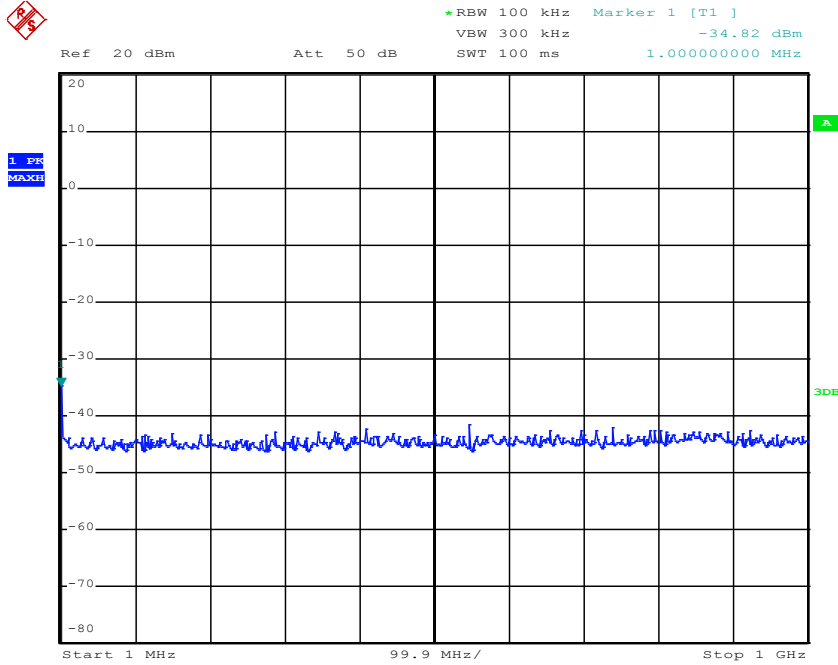
Date: 18.FEB.2016 09:33:37

Tx frequency: 2440MHz

Date: 18.FEB.2016 09:35:27

Tx frequency: 2440MHz

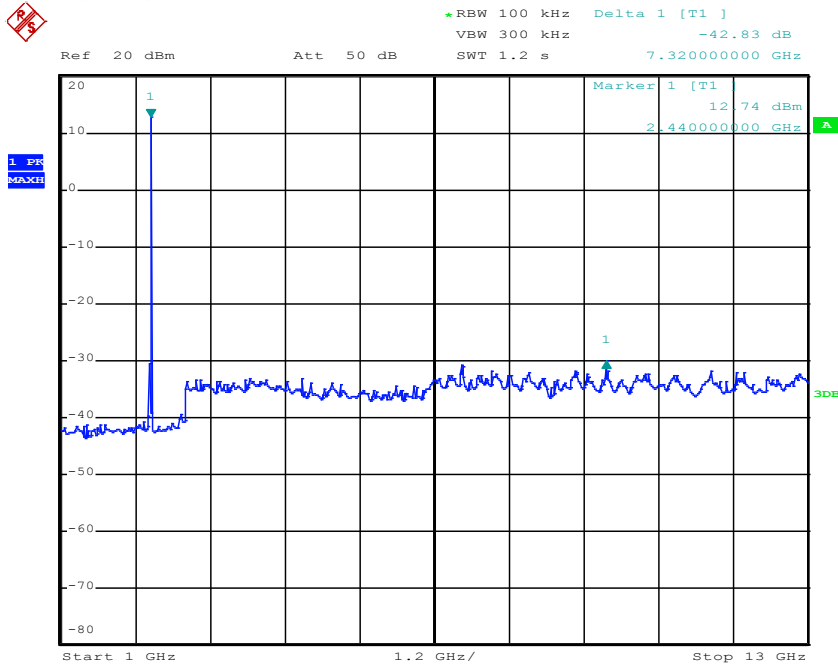| MARKER 1		*RBW 100 kHz	Marker 1 [T1]
24.424 GHz		*VBW 300 kHz	−21.51 dBm
Ref 30 dBm	*Att 50 dB	SWT 1.2 s	24.424000000 GHz

Start 13 GHz   1.2 GHz/   Stop 25 GHz
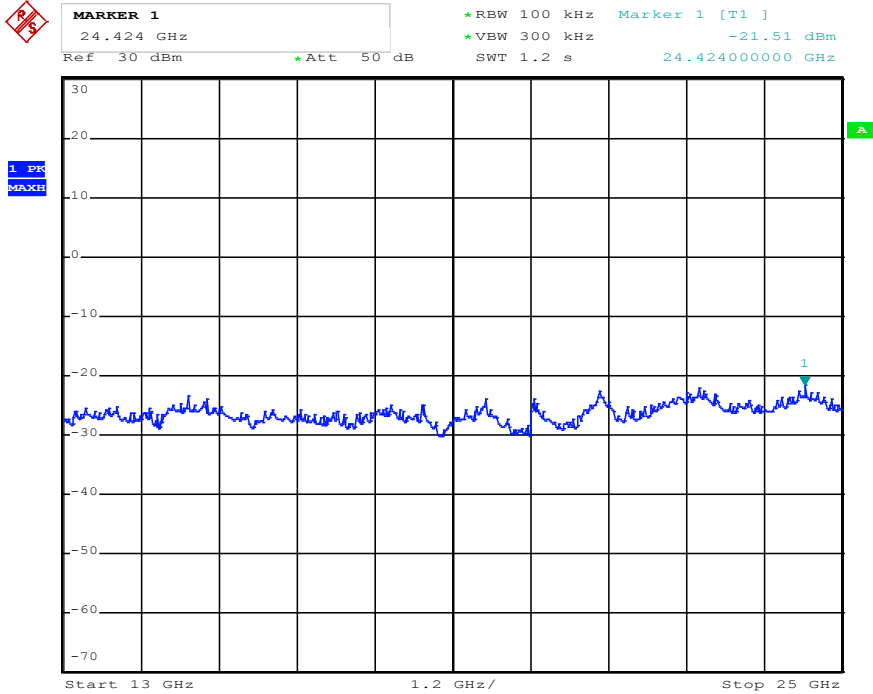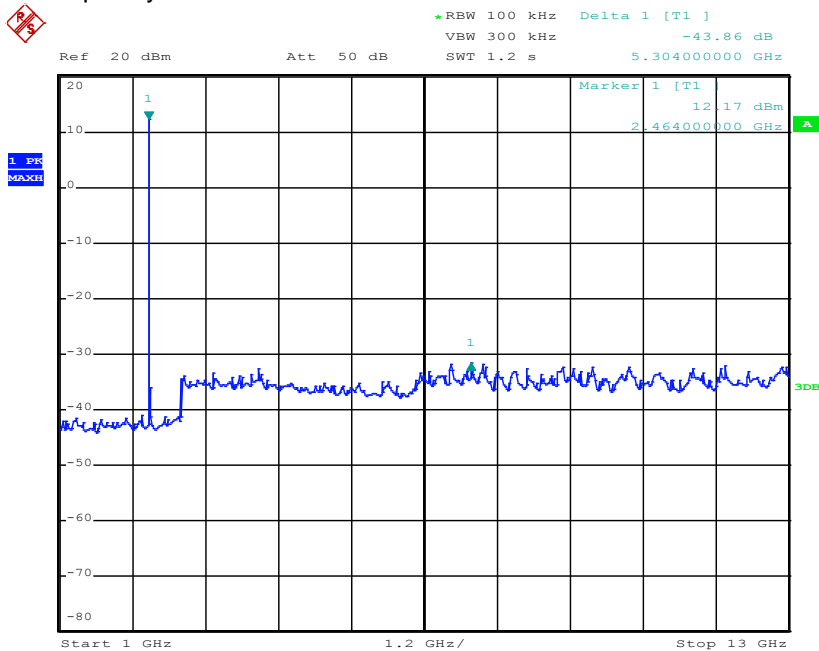
Date: 10.NOV.2015 13:51:31

Tx frequency: 2479MHz
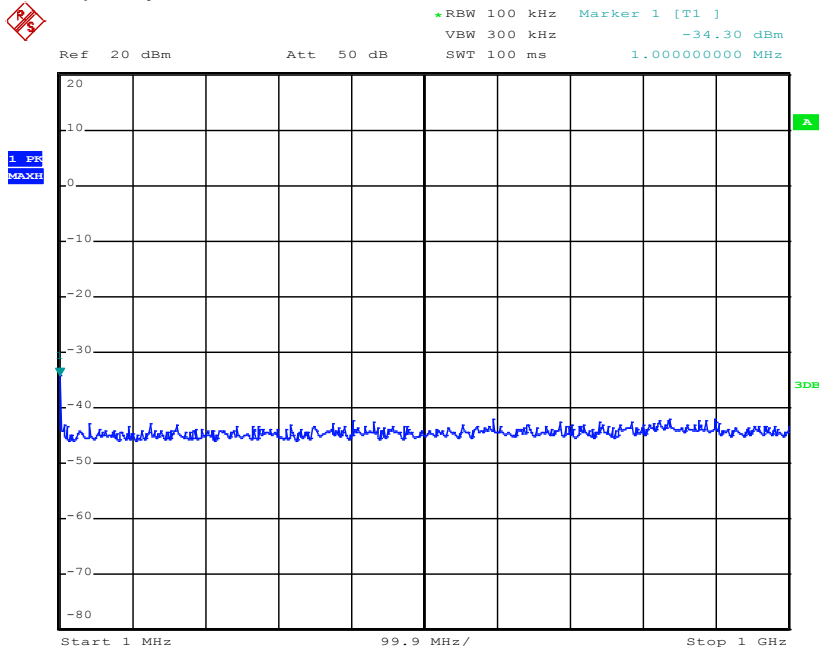
Date: 18.FEB.2016 09:37:02

Tx frequency: 2479MHz

Date: 18.FEB.2016 09:36:36

Tx frequency: 2479MHz

MARKER 1	⋆RBW 100 kHz	Marker 1 [T1]
22.624 GHz	⋆VBW 300 kHz	-22.31 dBm
Ref 30 dBm	⋆Att 50 dB	SWT 1.2 s	22.624000000 GHz

```
 30
 20                                                              A
 10
  0
-10
-20
-30
-40
-50
-60
-70
Start 13 GHz        1.2 GHz/           Stop 25 GHz
```

1 PK MAXH
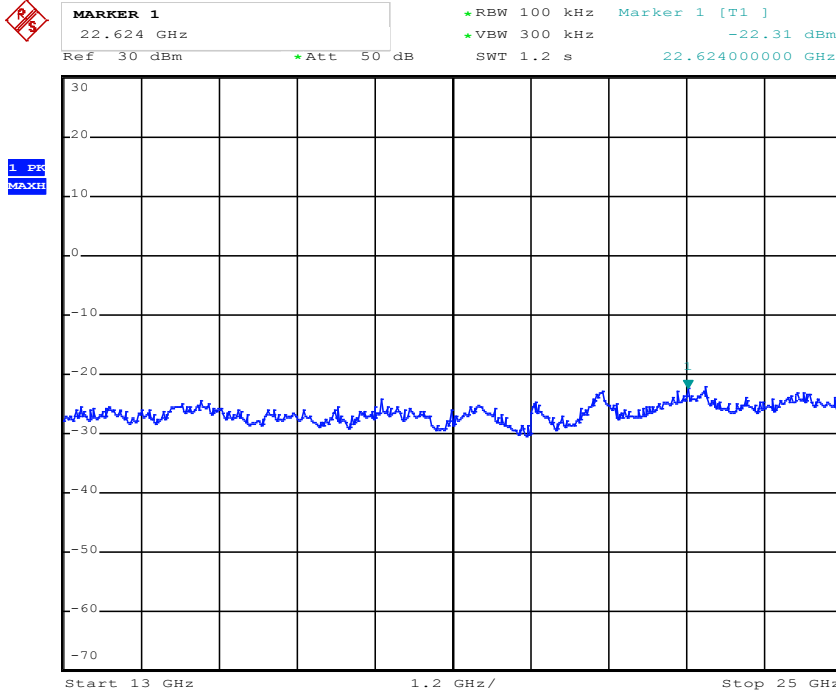
Date: 10.NOV.2015 13:54:00

Tx frequency: 2479MHz (hopping off)

DELTA MARKER 1	⋆RBW 100 kHz	Delta 1 [T1]
4.66 MHz	⋆VBW 300 kHz	-43.09 dB
Ref 20 dBm	Att 50 dB	SWT 2.5 ms	4.660000000 MHz

```
 20                          Marker 1 [T1
 10                                    12.86 dBm
  0                                 2.478980000 GHz    A
-10
-20
-30
-40
-50
-60
-70
-80
Center 2.4835 GHz      1 MHz/          Span 10 MHz
```

1 PK MAXH
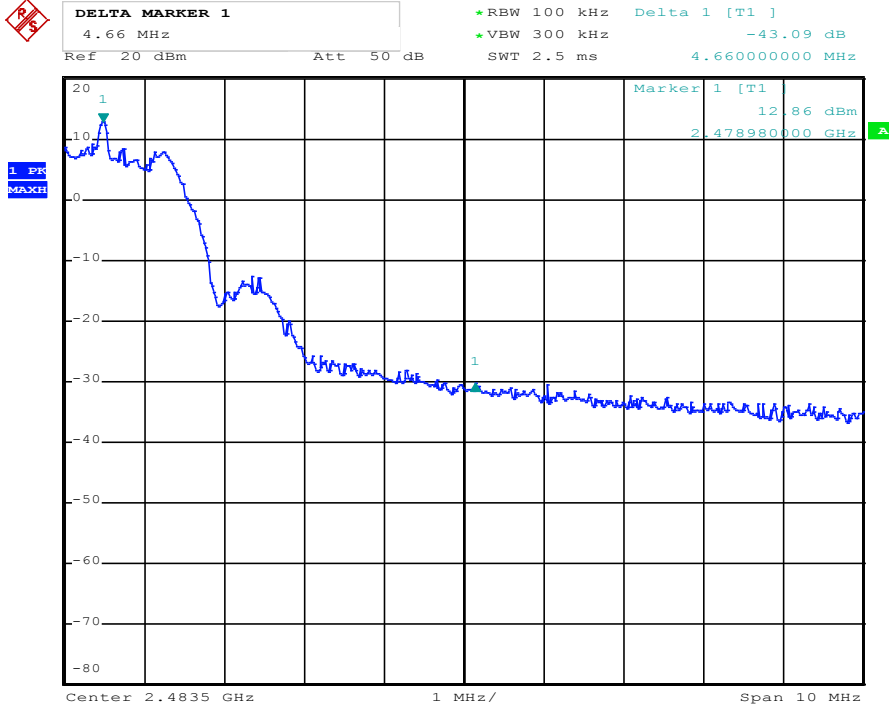
Comment: test print
Date: 14.JAN.2016 17:22:05

Tx frequency: 2479MHz (hopping on)

DELTA MARKER 1	*RBW 100 kHz Delta 1 [T1]
9.3 MHz	*VBW 300 kHz -44.53 dB
Ref 20 dBm Att 50 dB	SWT 2.5 ms 9.300000000 MHz

Marker 1 [T1]
12.84 dBm
2.474980000 GHz

1 PK
MAXH

Center 2.4835 GHz   2 MHz/   Span 20 MHz
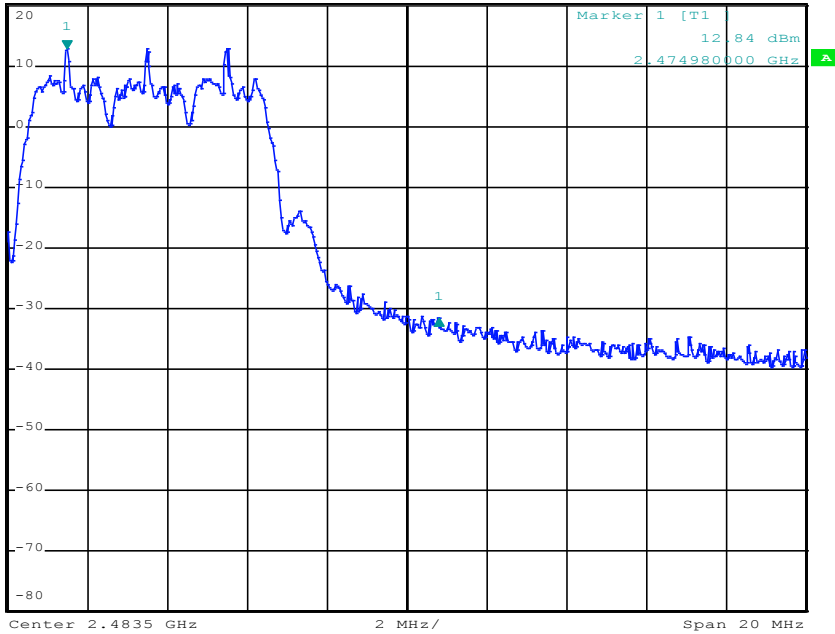
Comment: test print
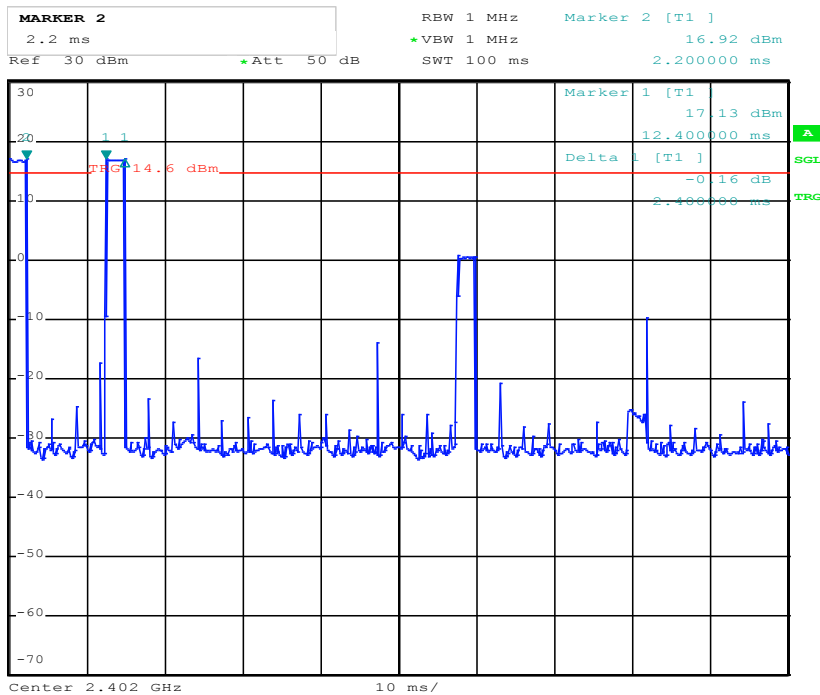Date: 14.JAN.2016 17:25:15

Duty Cycle

```
                                          RBW  1 MHz
                                        * VBW  1 MHz
        Ref   30 dBm          * Att  50 dB    SWT  1 s
```



```
Center 2.402 GHz                      100 ms/
```

Date: 10.NOV.2015 15:44:11

```
 MARKER 2                        RBW  1 MHz    Marker 2 [T1 ]
 2.2 ms                        * VBW  1 MHz            16.92 dBm
        Ref   30 dBm          * Att  50 dB    SWT  100 ms    2.200000 ms
                                              Marker 1 [T1 ]
                                                      17.13 dBm
                                              12.400000 ms
                                              Delta 1 [T1 ]
                                                      -0.16 dB
                                                      2.400000 ms
```



```
Center 2.402 GHz                      10 ms/
```

Date: 10.NOV.2015 15:43:25