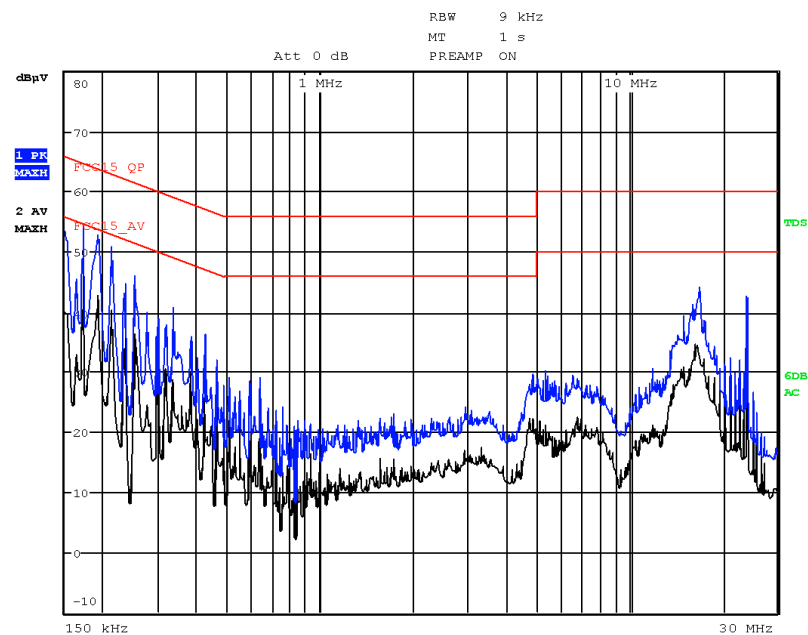# Appendix 1
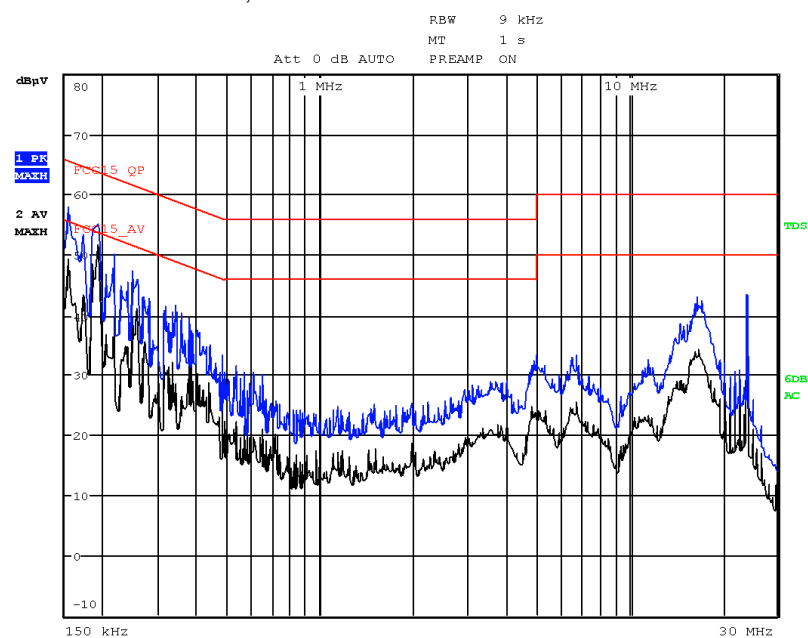# Test Results

AC Mains Conducted Emission

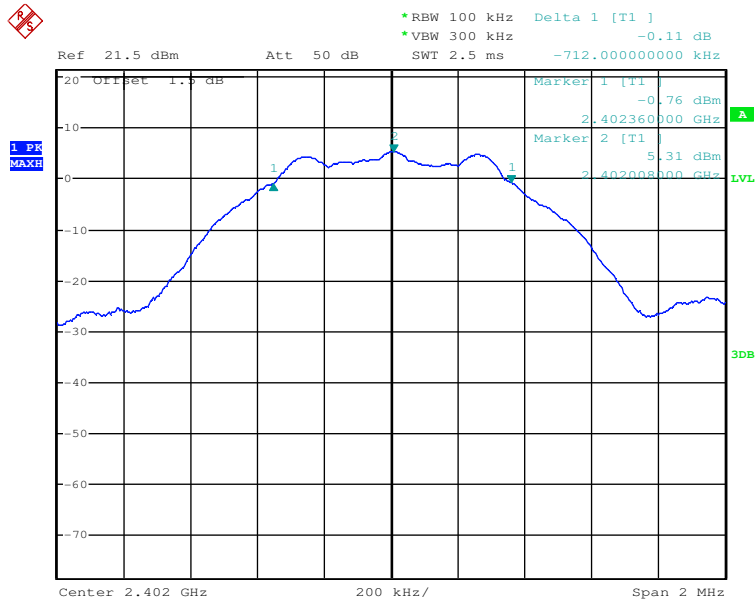Mode: BLE TX mode; Line: L1

Mode: BLE TX mode; Line: N
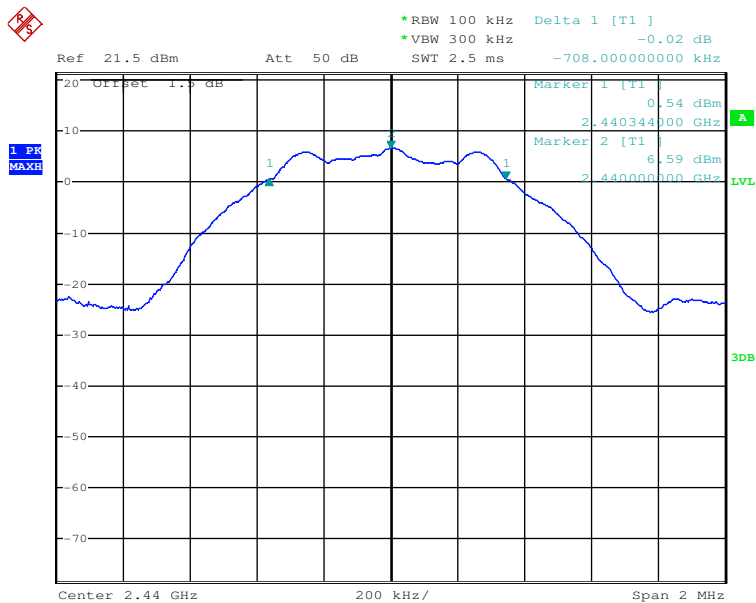
6 dB Bandwidth Measurement

TX frequency: 2402MHz
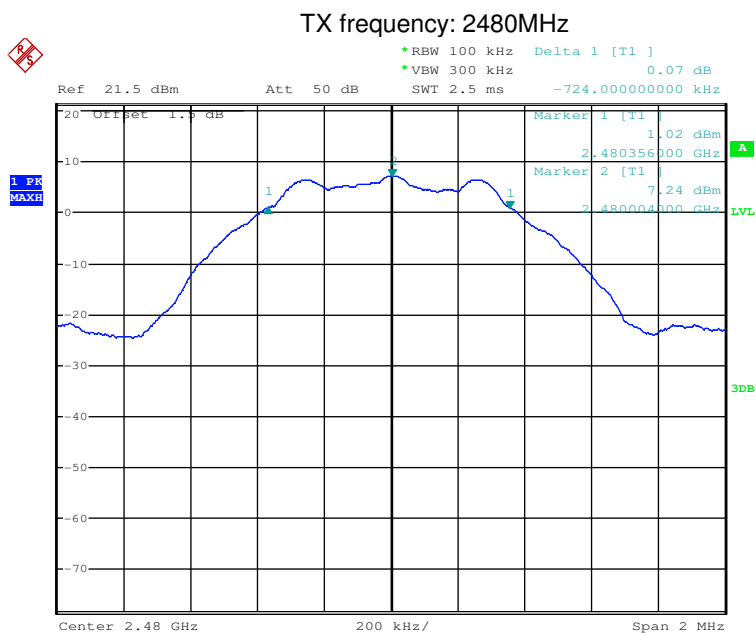

Date: 4.AUG.2016 13:19:17

TX frequency: 2440MHz

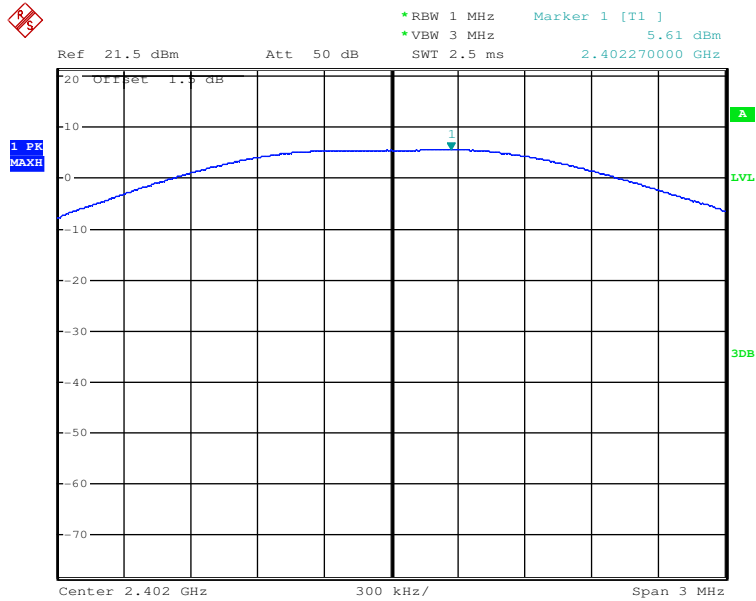Date: 4.AUG.2016 13:17:38

TX frequency: 2480MHz
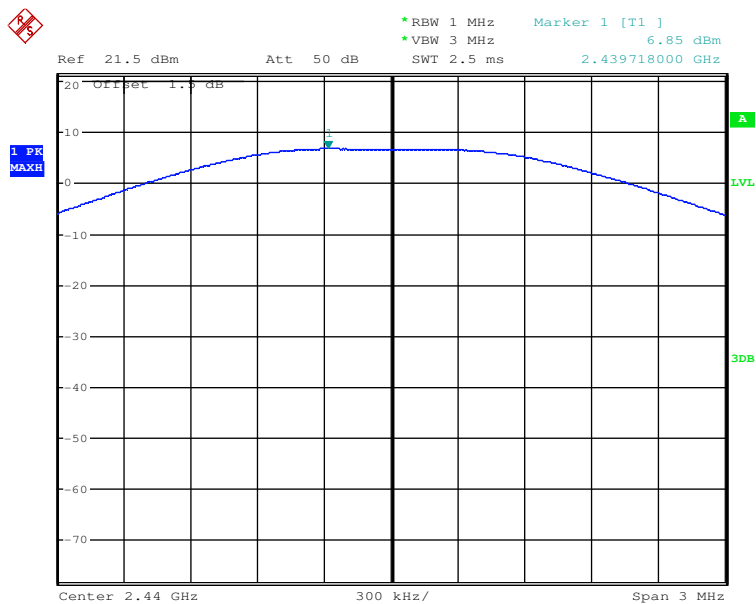


```
                                    *RBW 100 kHz   Delta 1 [T1 ]
                                    *VBW 300 kHz              0.07 dB
      Ref  21.5 dBm      Att  50 dB   SWT 2.5 ms    -724.000000000 kHz
  20  Offset  1.5 dB                 Marker 1 [T1 ]
                                                         1.02 dBm     A
  10                                                2.480356000 GHz
 1 PK                                  Marker 2 [T1 ]
 MAXH  0                                                  7.24 dBm    LVL
                                                    2.480004000 GHz
 -10

 -20                                                                  3DB

 -30

 -40

 -50

 -60

 -70

      Center 2.48 GHz            200 kHz/              Span 2 MHz
```

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Maximum Peak Conducted Output power

TX frequency: 2402MHz


```
                                        *RBW 1 MHz    Marker 1 [T1 ]
                                        *VBW 3 MHz              5.61 dBm
        Ref  21.5 dBm       Att  50 dB  SWT 2.5 ms     2.402270000 GHz
       20  Offset  1.5 dB                                              A
      -10
 1 PK
 MAXH
       0                                                             LVL
     -10
     -20
     -30                                                             3DB
     -40
     -50
     -60
     -70
        Center 2.402 GHz           300 kHz/              Span 3 MHz
```

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TX frequency: 2440MHz


```
                                        *RBW 1 MHz    Marker 1 [T1 ]
                                        *VBW 3 MHz              6.85 dBm
        Ref  21.5 dBm       Att  50 dB  SWT 2.5 ms     2.439718000 GHz
       20  Offset  1.5 dB                                              A
       10
 1 PK
 MAXH
       0                                                             LVL
     -10
     -20
     -30                                                             3DB
     -40
     -50
     -60
     -70
        Center 2.44 GHz            300 kHz/              Span 3 MHz
```

Date: 4.AUG.2016 13:30:35

TX frequency: 2480MHz
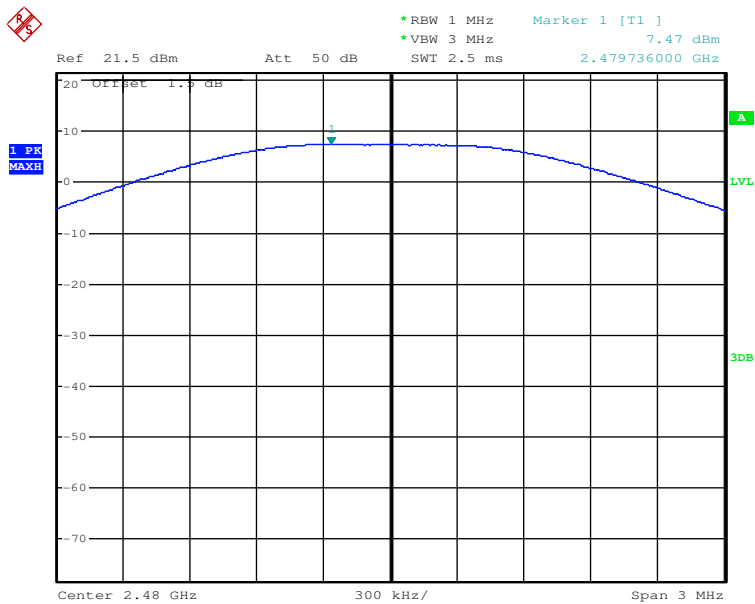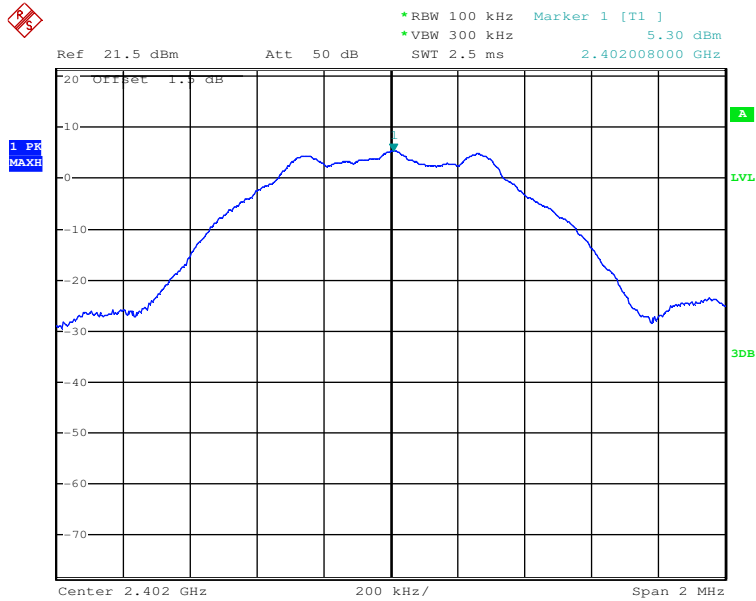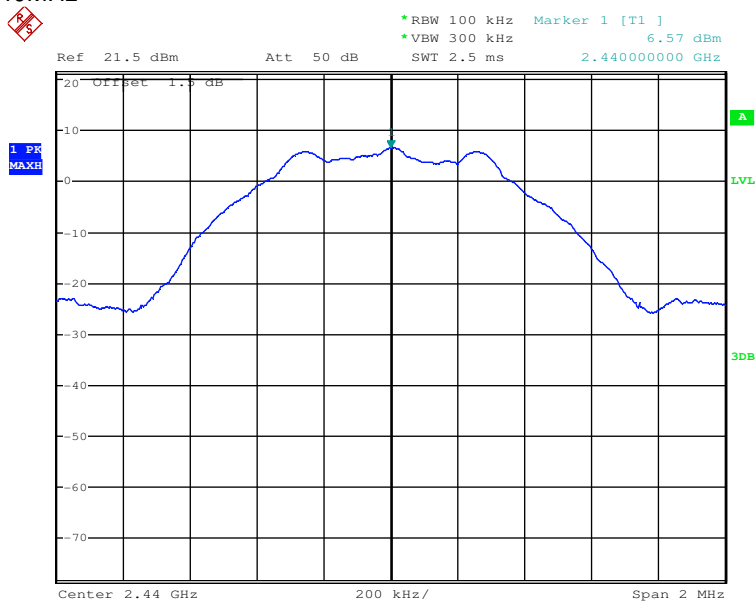
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Power Spectral Density
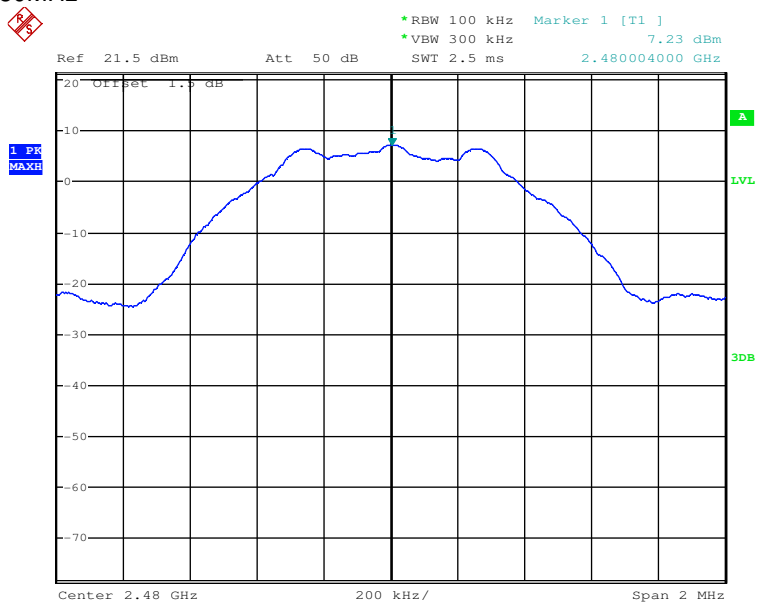
TX frequency: 2402MHz

Date: 4.AUG.2016 13:38:12

TX frequency: 2440MHz
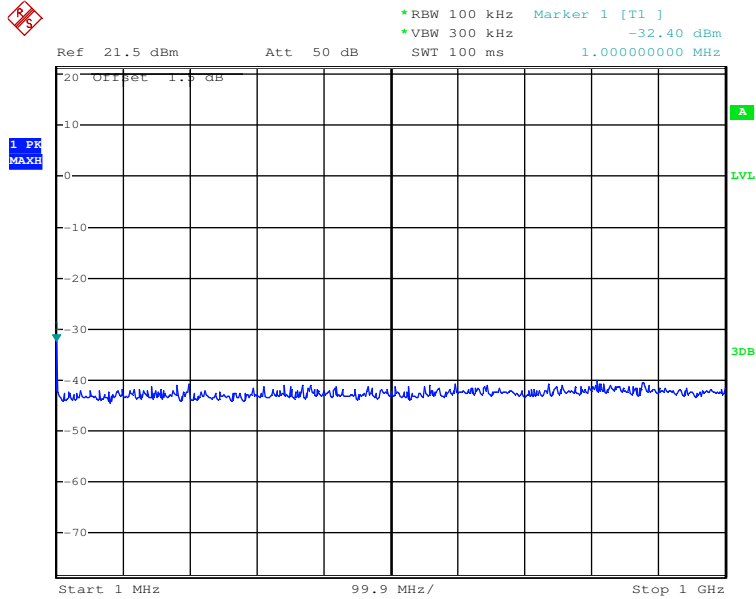

Date: 4.AUG.2016 13:37:31

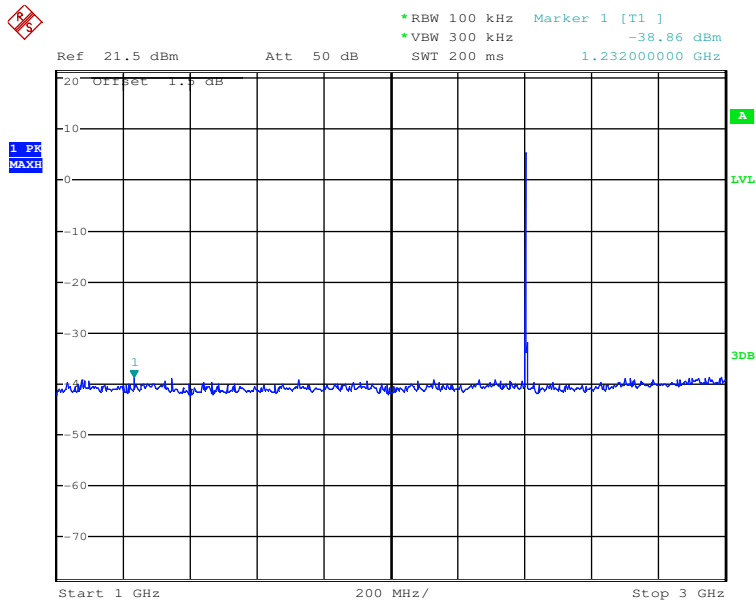TX frequency: 2480MHz

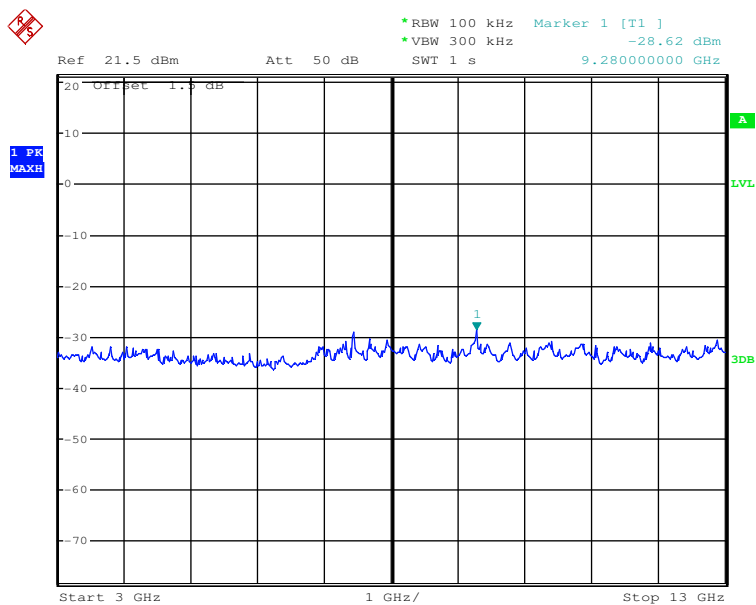Date: 4.AUG.2016 13:36:47

Spurious Conducted Emissions

TX frequency: 2402MHz

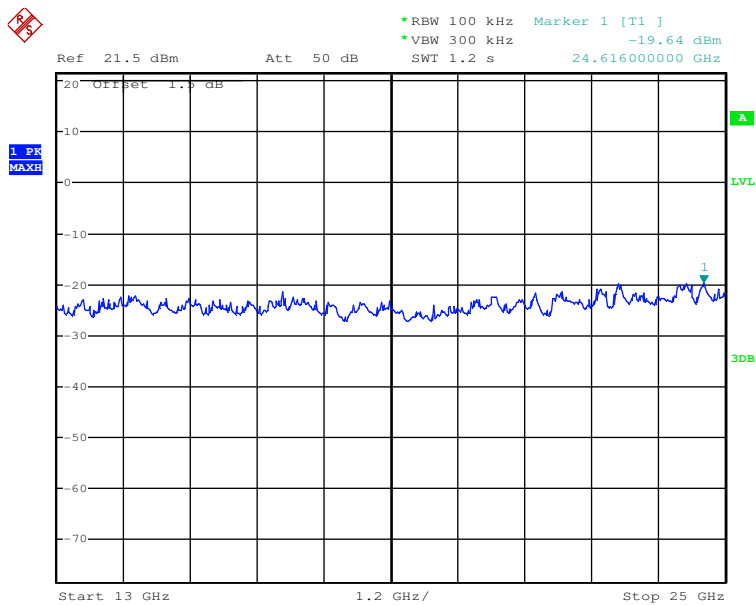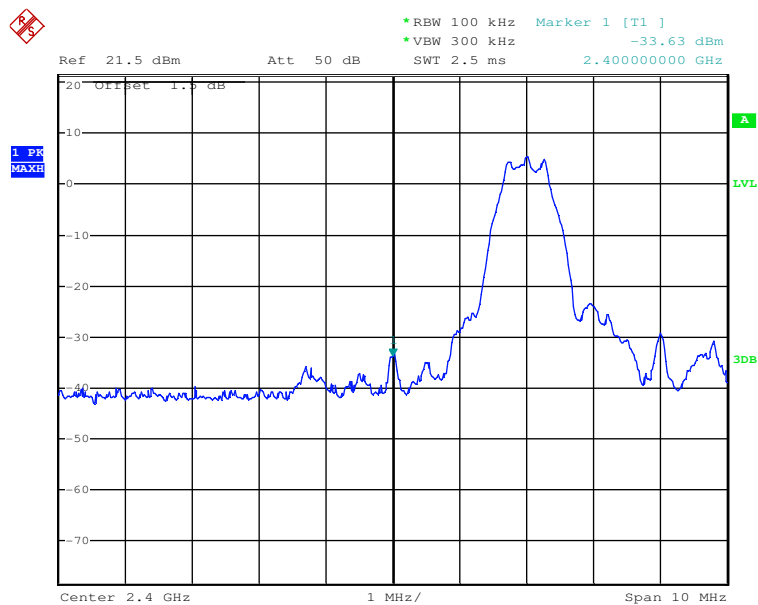
Date: 4.AUG.2016 13:39:38

Date: 4.AUG.2016 13:41:18

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Date: 4.AUG.2016 13:42:01

Date: 4.AUG.2016 14:51:59

```
                                              *RBW 100 kHz   Marker 1 [T1 ]
                                              *VBW 300 kHz          -33.63 dBm
   Ref  21.5 dBm        Att  50 dB    SWT 2.5 ms     2.400000000 GHz
```
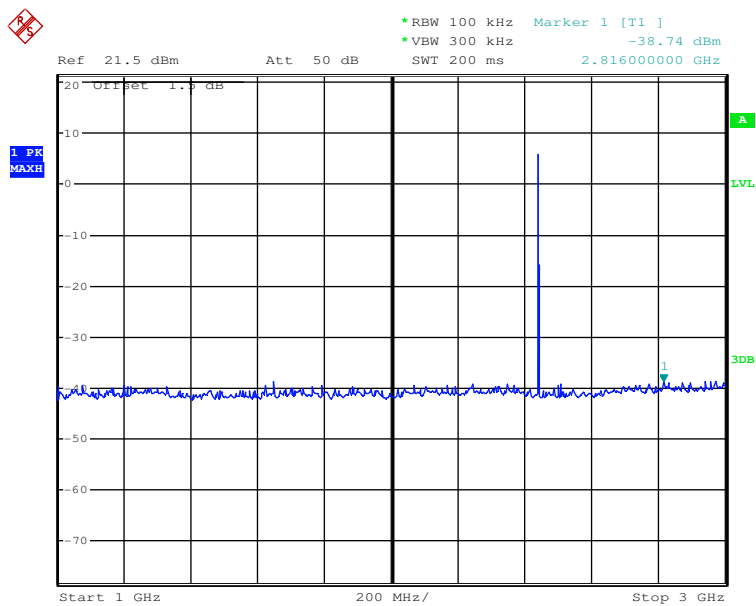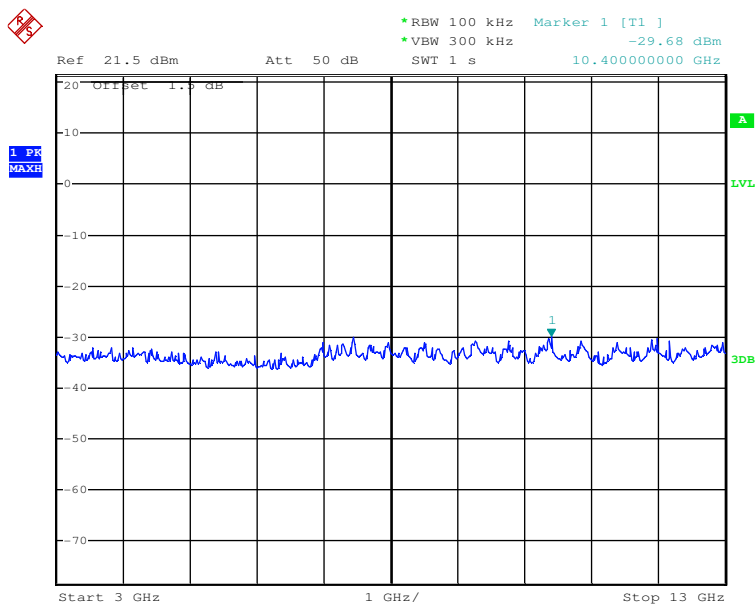
Date: 4.AUG.2016 13:43:56

TX frequency: 2440MHz
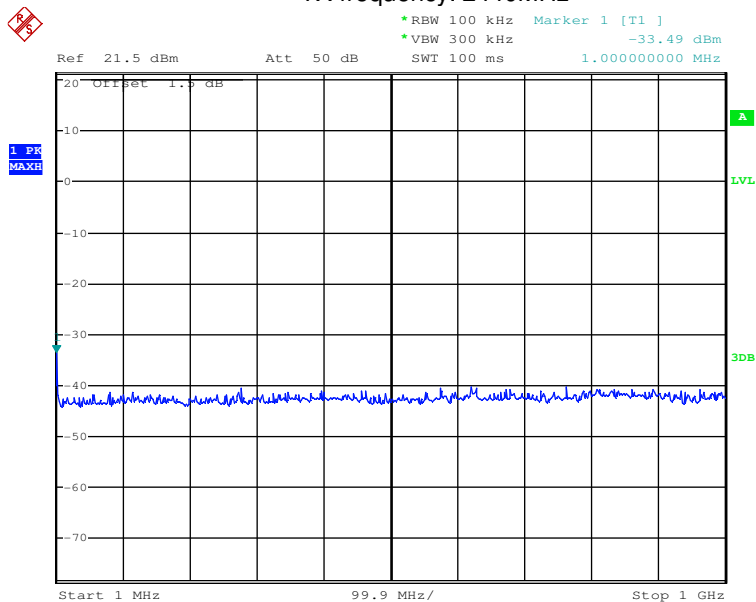
Date: 4.AUG.2016 13:44:38

Date: 4.AUG.2016 13:45:43

*RBW 100 kHz   Marker 1 [T1]
*VBW 300 kHz   -29.68 dBm
Ref 21.5 dBm   Att 50 dB   SWT 1 s   10.400000000 GHz

Start 3 GHz   1 GHz/   Stop 13 GHz

Date: 4.AUG.2016 13:46:20

*RBW 100 kHz   Marker 1 [T1]
*VBW 300 kHz   -19.47 dBm
Ref 21.5 dBm   Att 50 dB   SWT 1.2 s   24.592000000 GHz

Start 13 GHz   1.2 GHz/   Stop 25 GHz
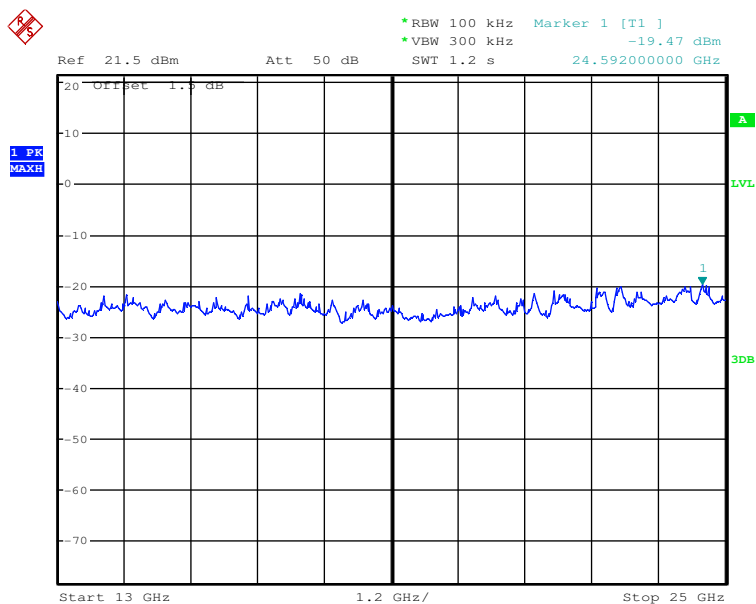
Date: 4.AUG.2016 13:46:52

TX frequency: 2480MHz


```
                              *RBW 100 kHz   Marker 1 [T1 ]
                              *VBW 300 kHz           -31.69 dBm
Ref  21.5 dBm      Att 50 dB   SWT 100 ms     1.000000000 MHz
```

Date: 4.AUG.2016 13:47:31

++++


```
                              *RBW 100 kHz   Marker 1 [T1 ]
                              *VBW 300 kHz           -38.59 dBm
Ref  21.5 dBm      Att 50 dB   SWT 200 ms     2.964000000 GHz
```

Date: 4.AUG.2016 13:48:13

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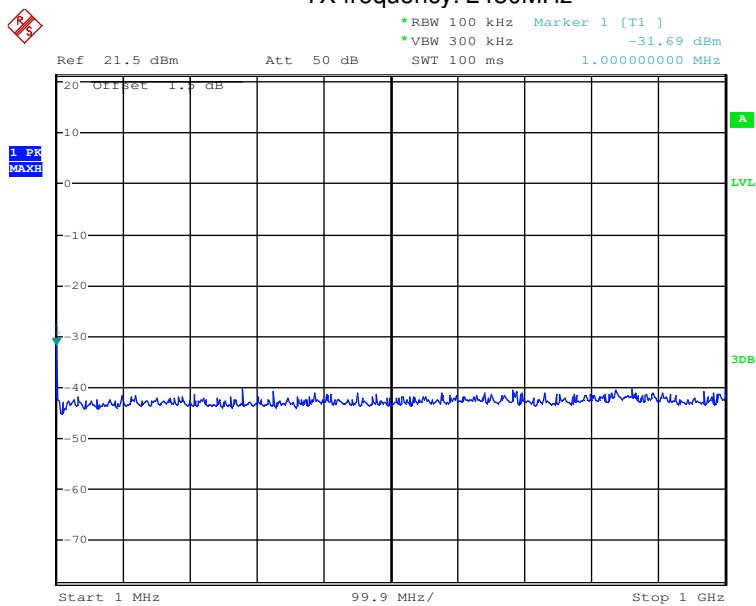
Date: 4.AUG.2016 13:49:02

Date: 4.AUG.2016 13:49:37

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```
                                         *RBW 100 kHz   Marker 1 [T1 ]
                                         *VBW 300 kHz          -39.44 dBm
      Ref  21.5 dBm        Att  50 dB     SWT 2.5 ms      2.485660000 GHz
```

Date: 4.AUG.2016 13:52:14