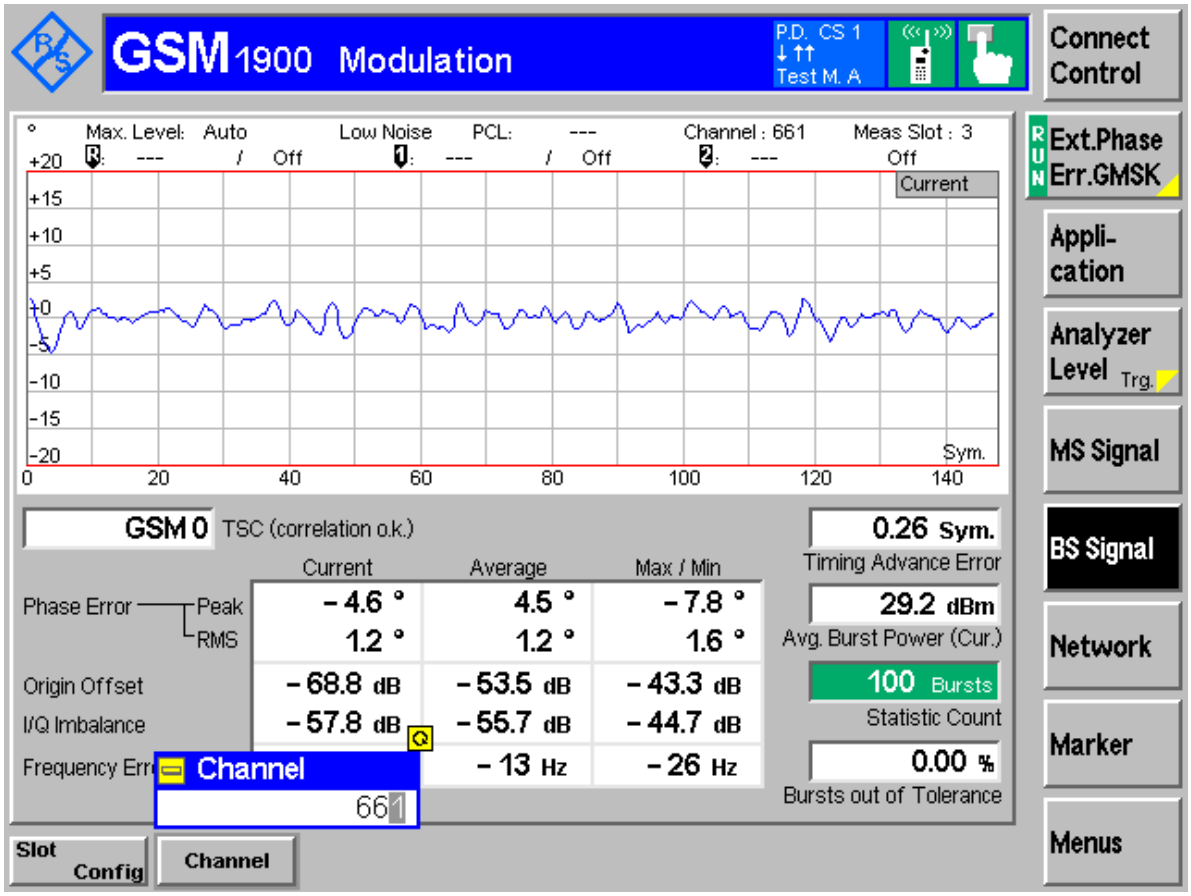
Appendix A

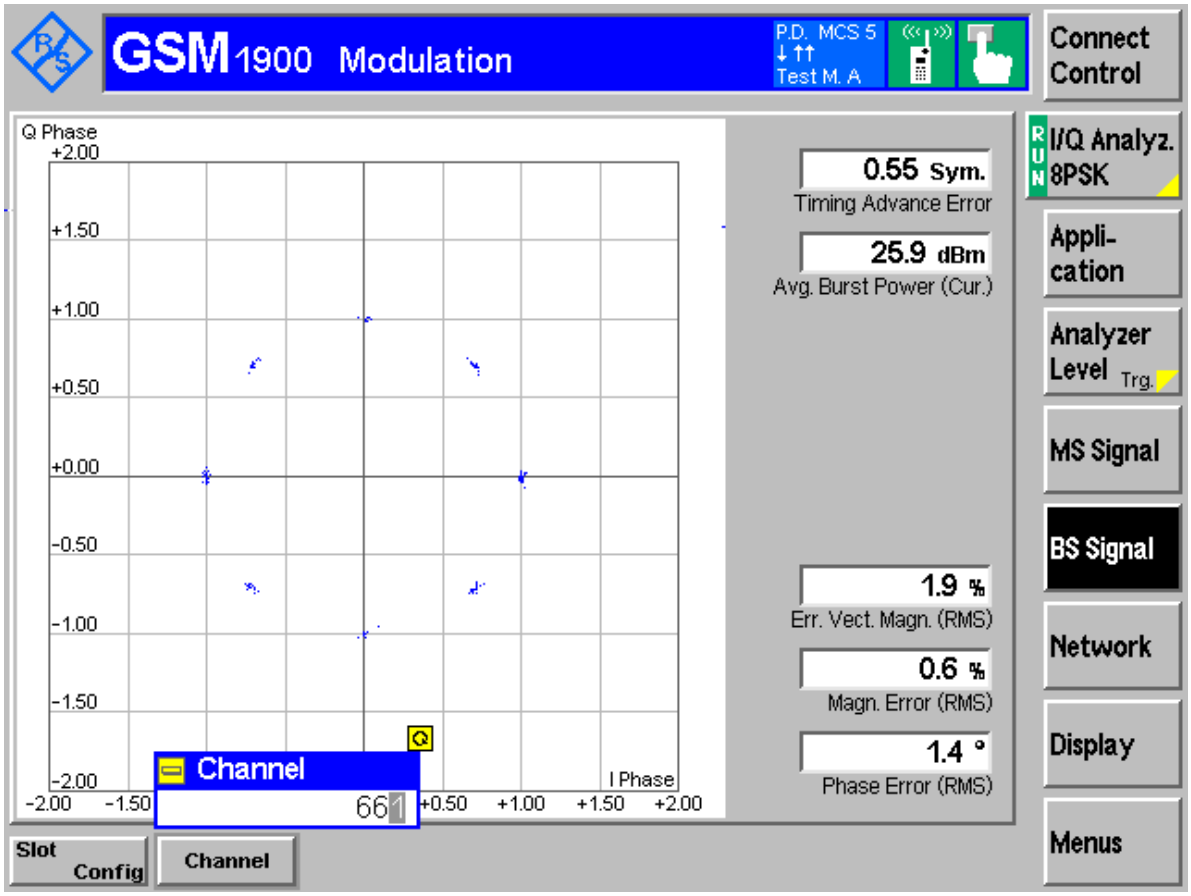
Modulation Characteristics

According to FCC Part 2.1047 & Part24 Subpart E

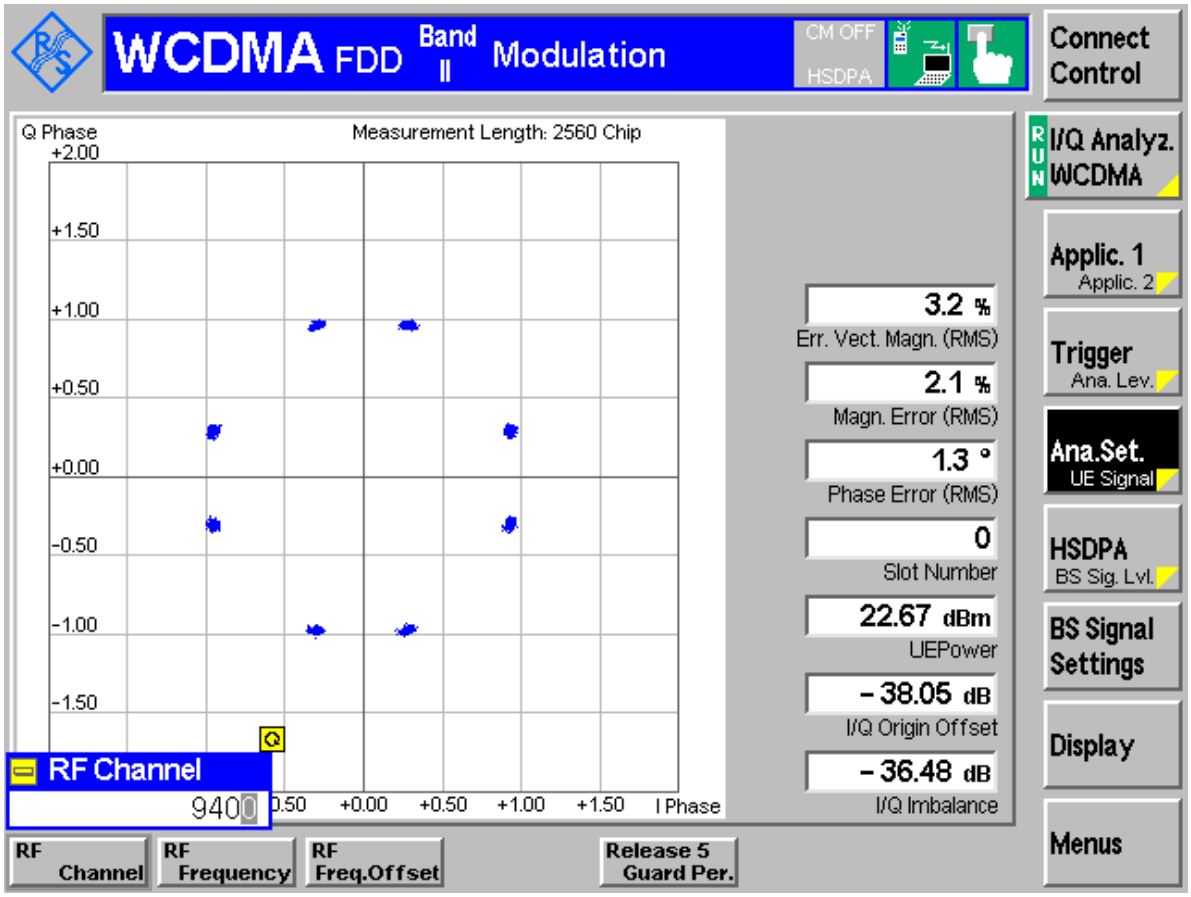
TM1:GPRS/GSM
Channel 661



TM2:EDGE
Channel 661



TM3:WCDMA
Channel 9400

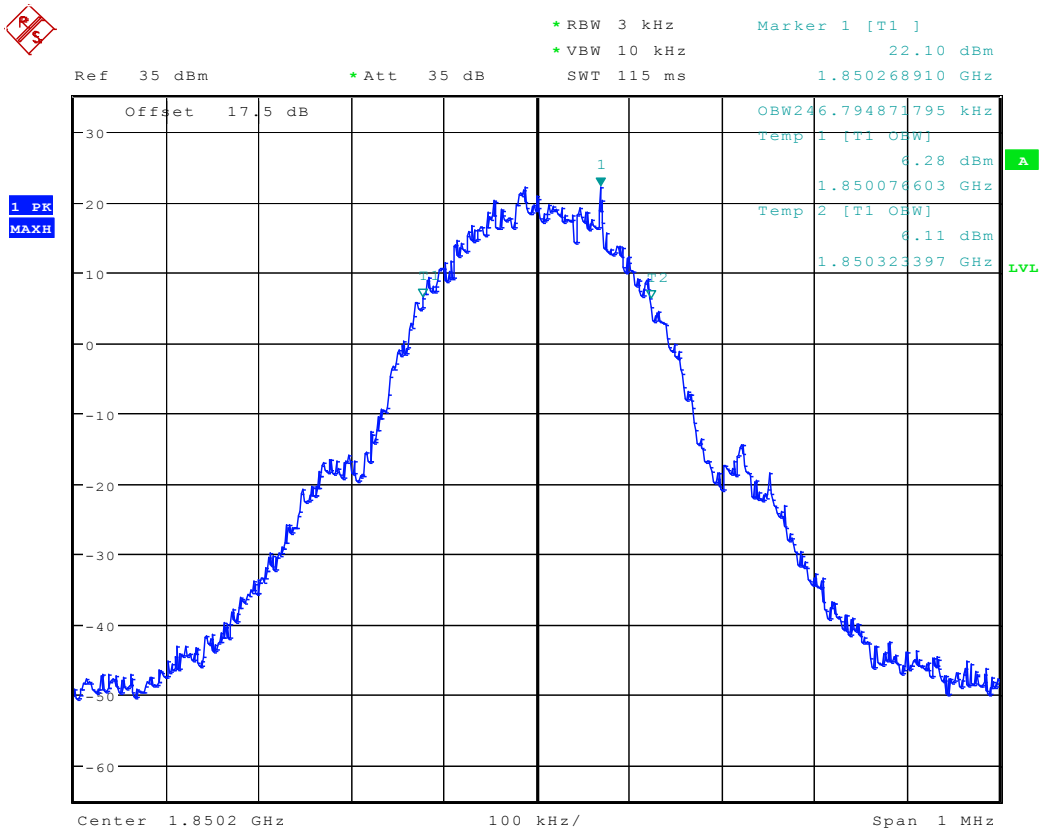


Appendix B

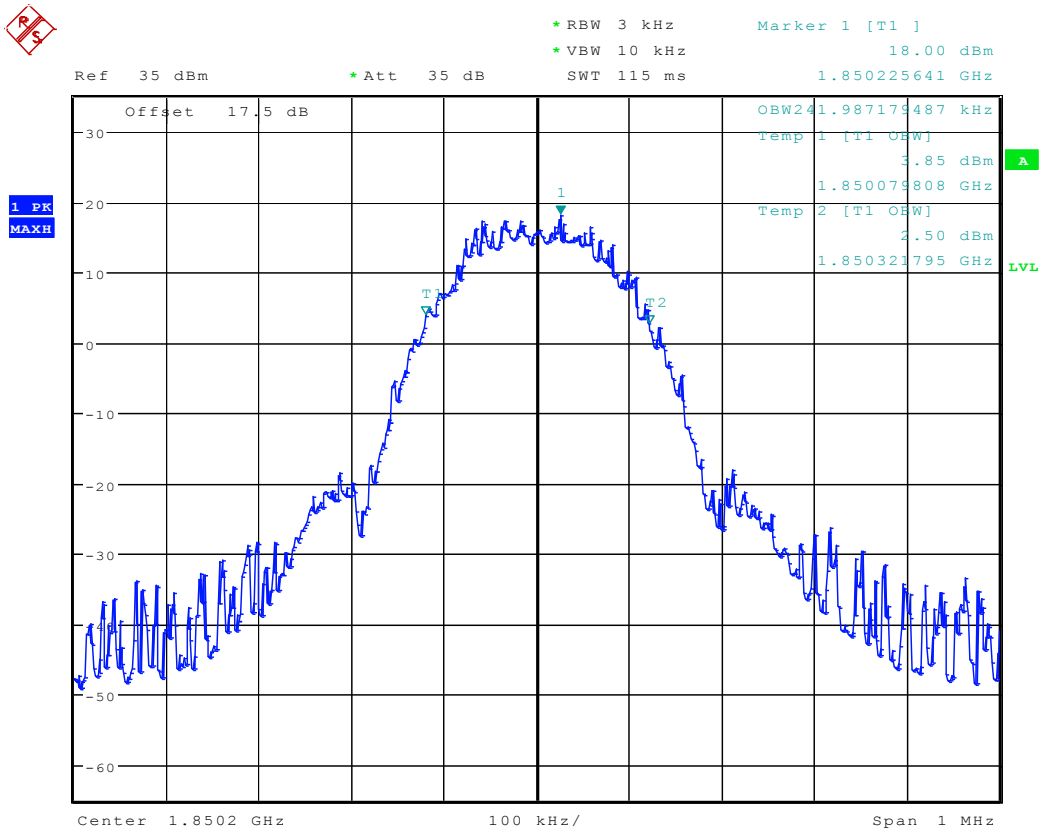
Occupied Bandwidth

According to FCC Part 2.1049 & Part 24 Subpart E & RSS-133

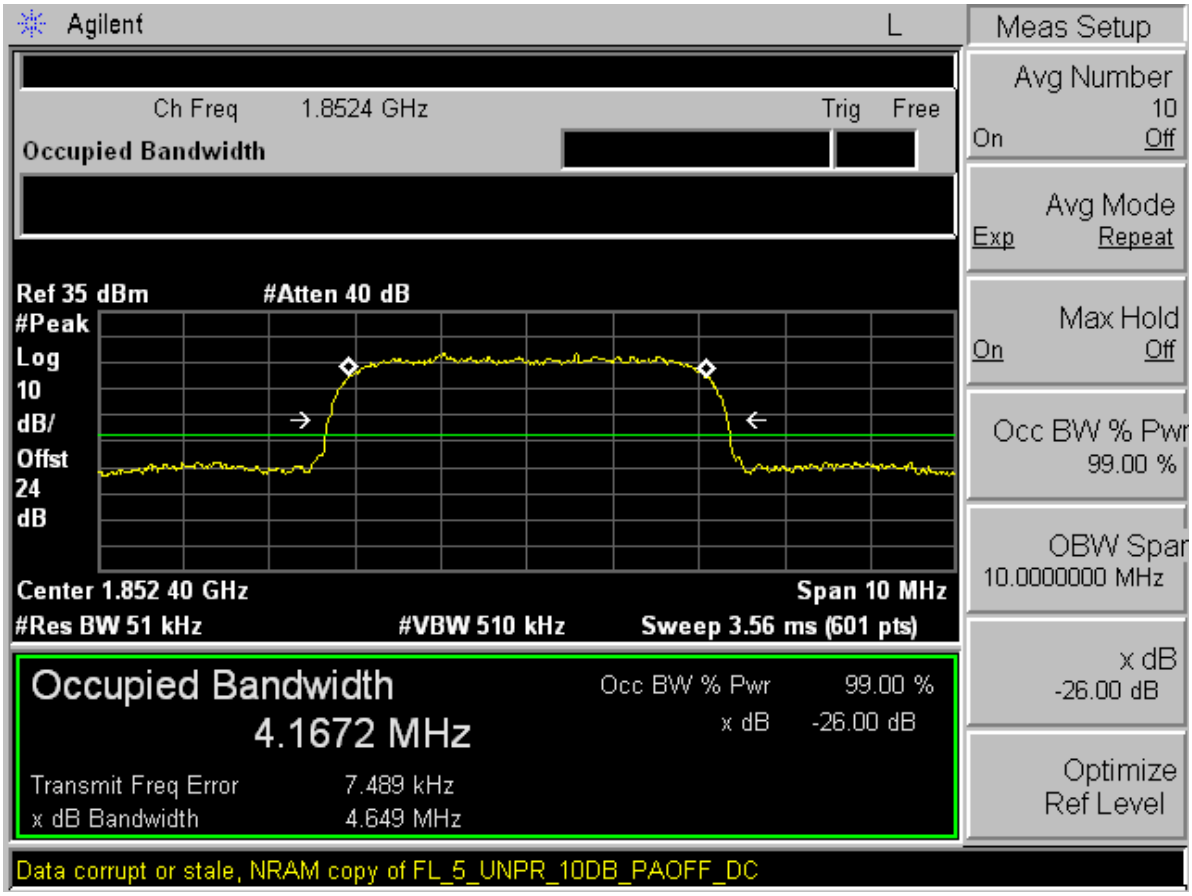
TM1:GPRS/GSM
Channel 512



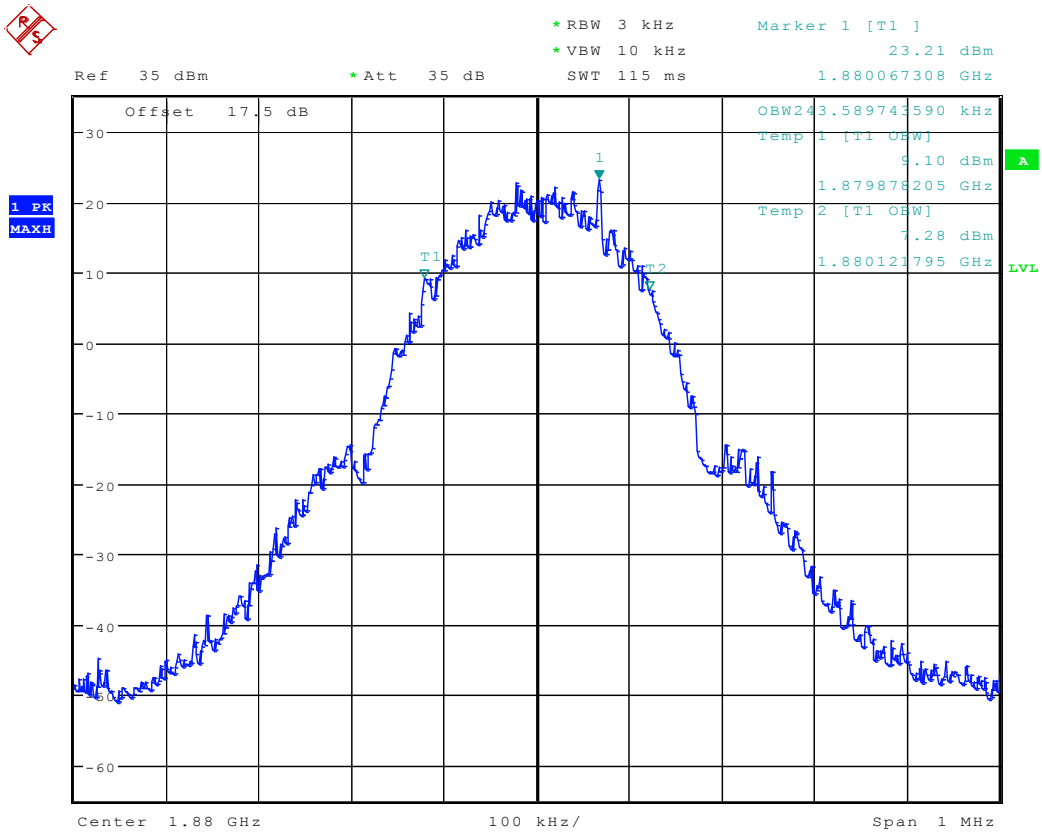
TM2:EDGE
Channel 512



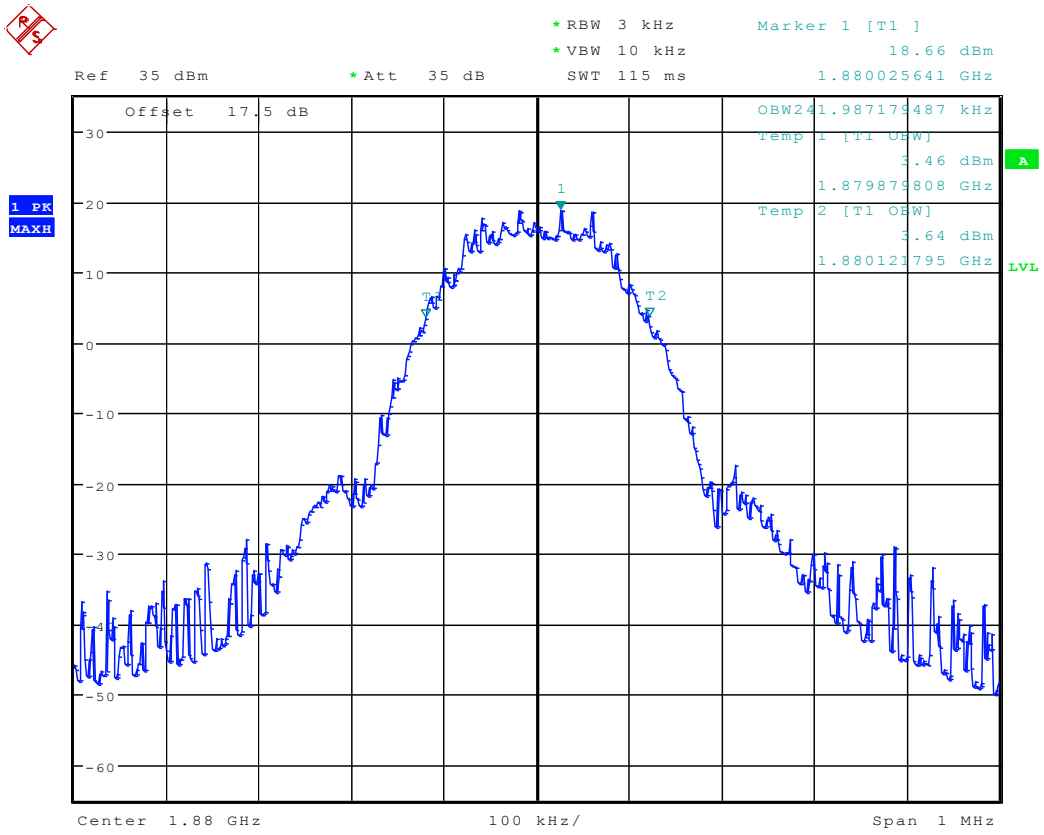
TM3:WCDMA
Channel 9262



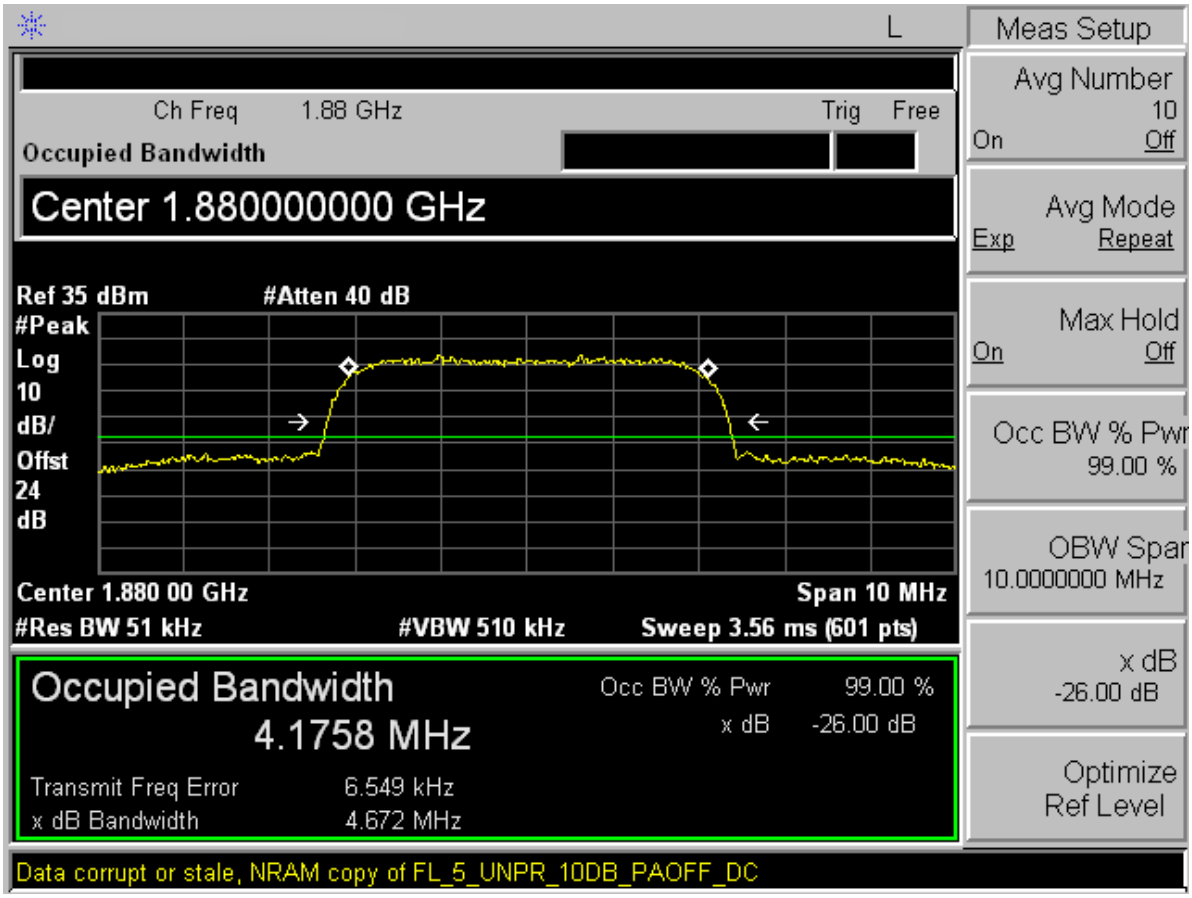
TM1:GPRS/GSM
Channel 661



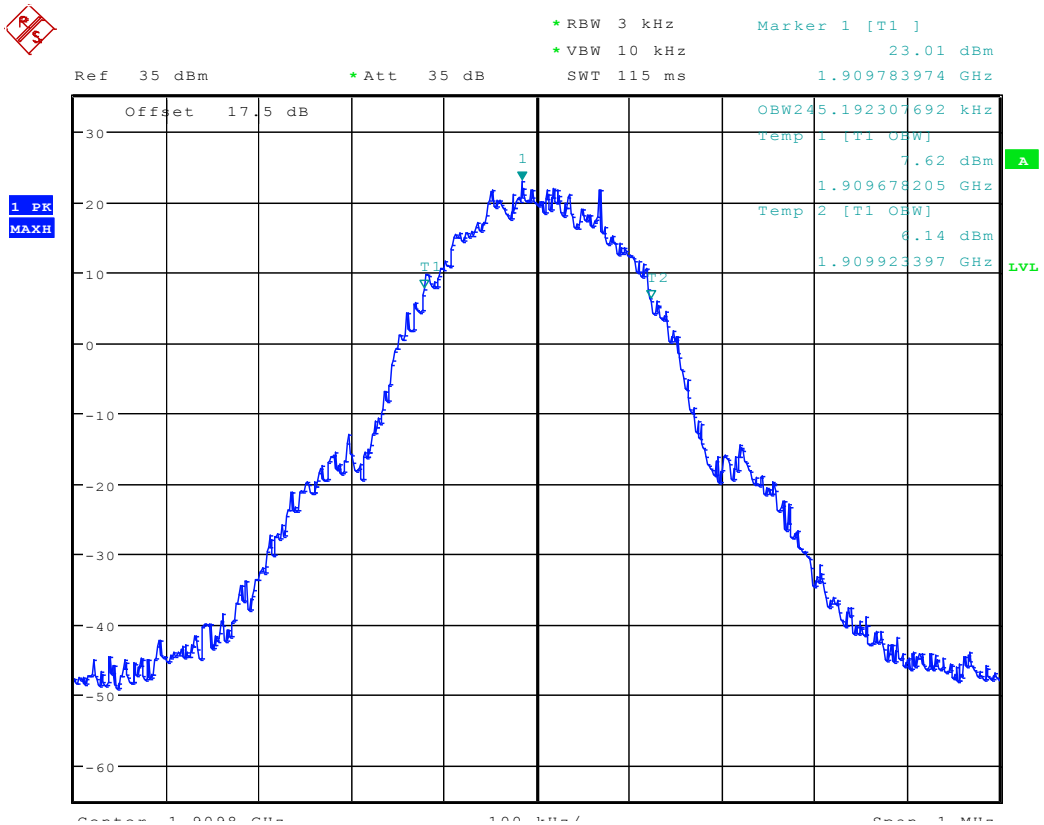
TM2:EDGE
Channel 661



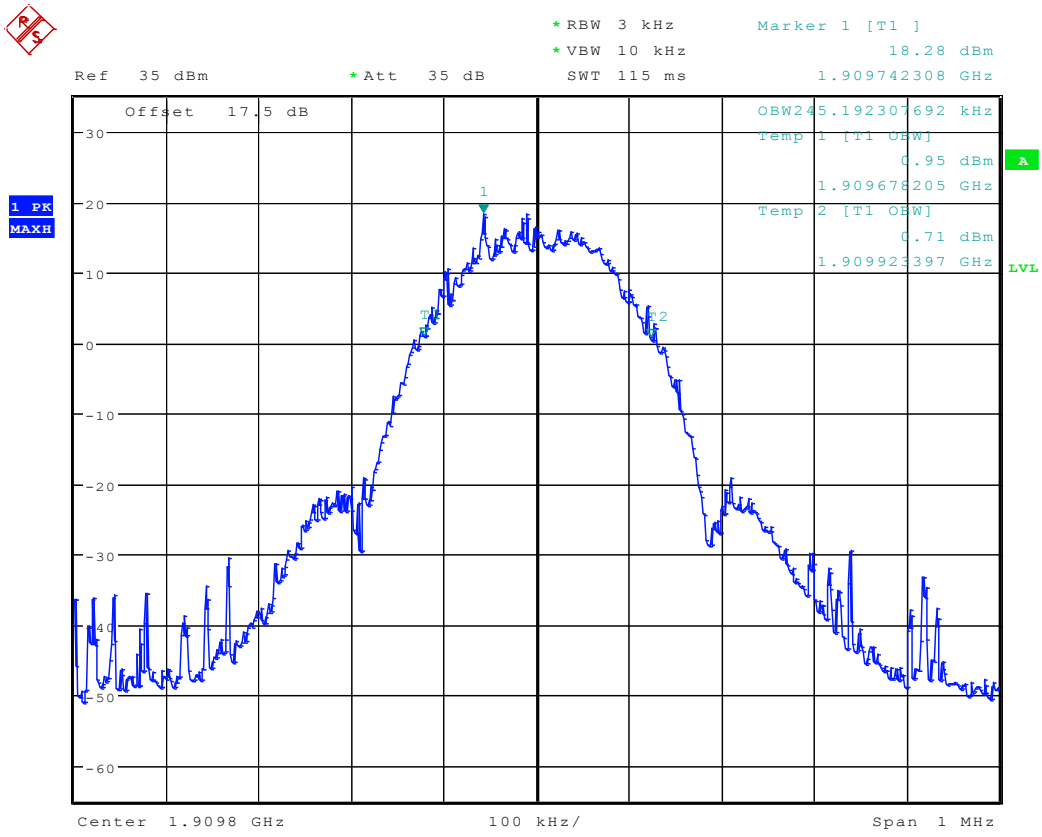
TM3:WCDMA
Channel 9400



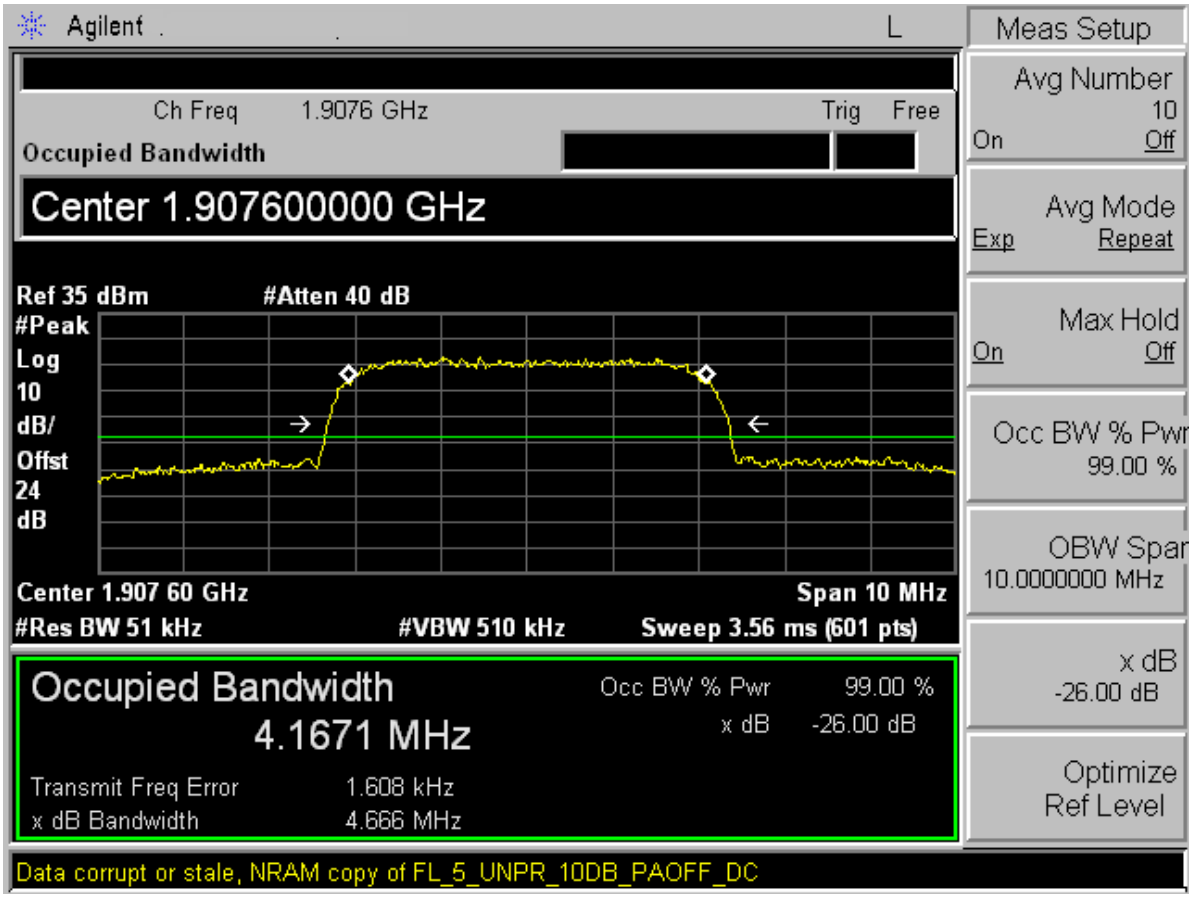
TM1:GPRS/GSM
Channel 810



TM2:EDGE
Channel 810



TM3:WCDMA
Channel 9538

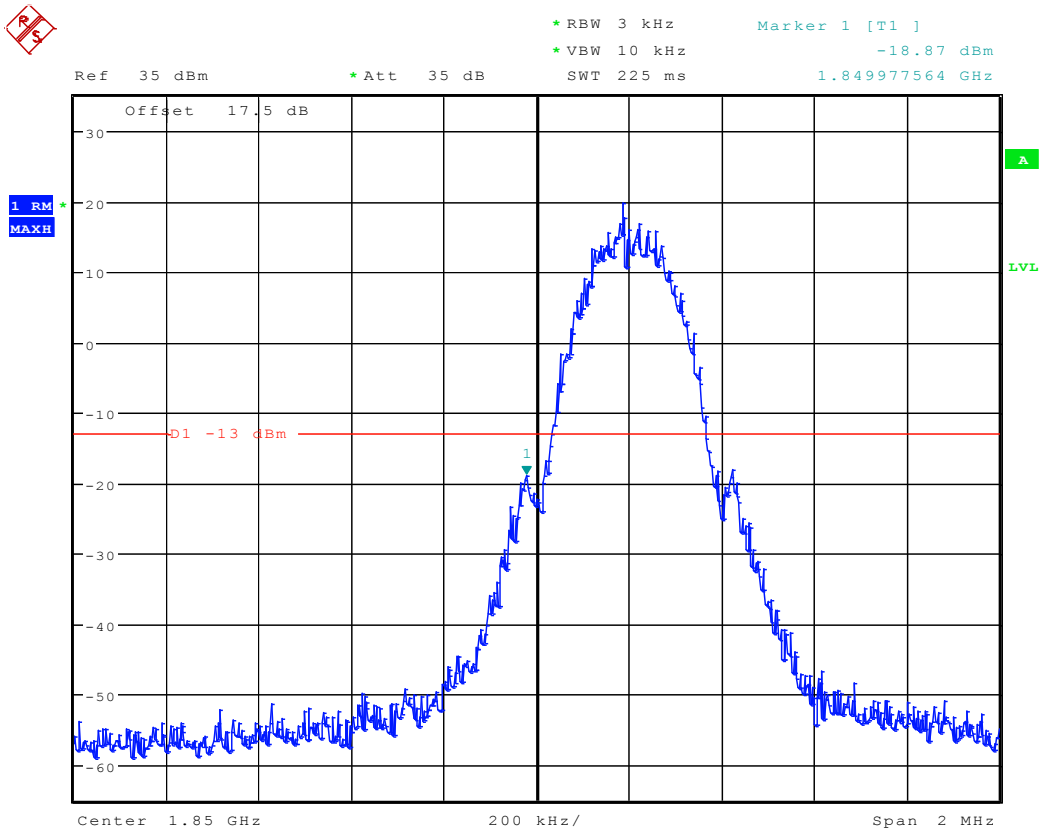


Appendix C

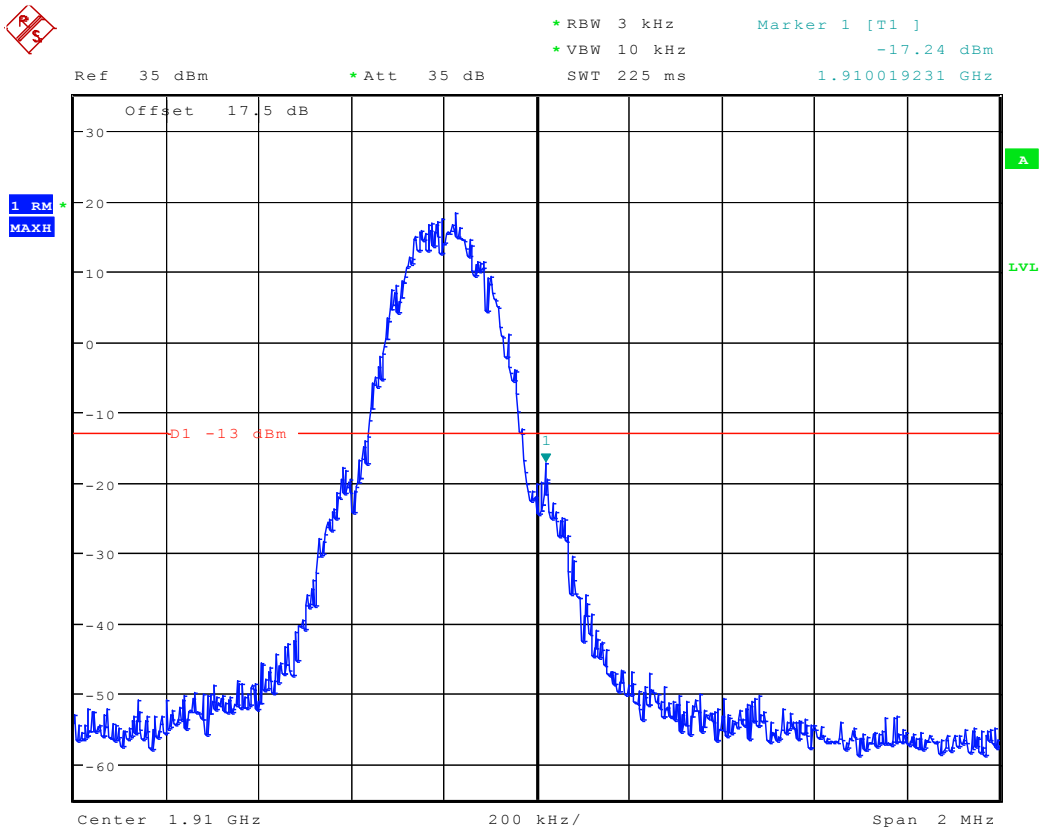
Band Edges Compliance

According to FCC Part 2.1051 & 24.238 & RSS-133

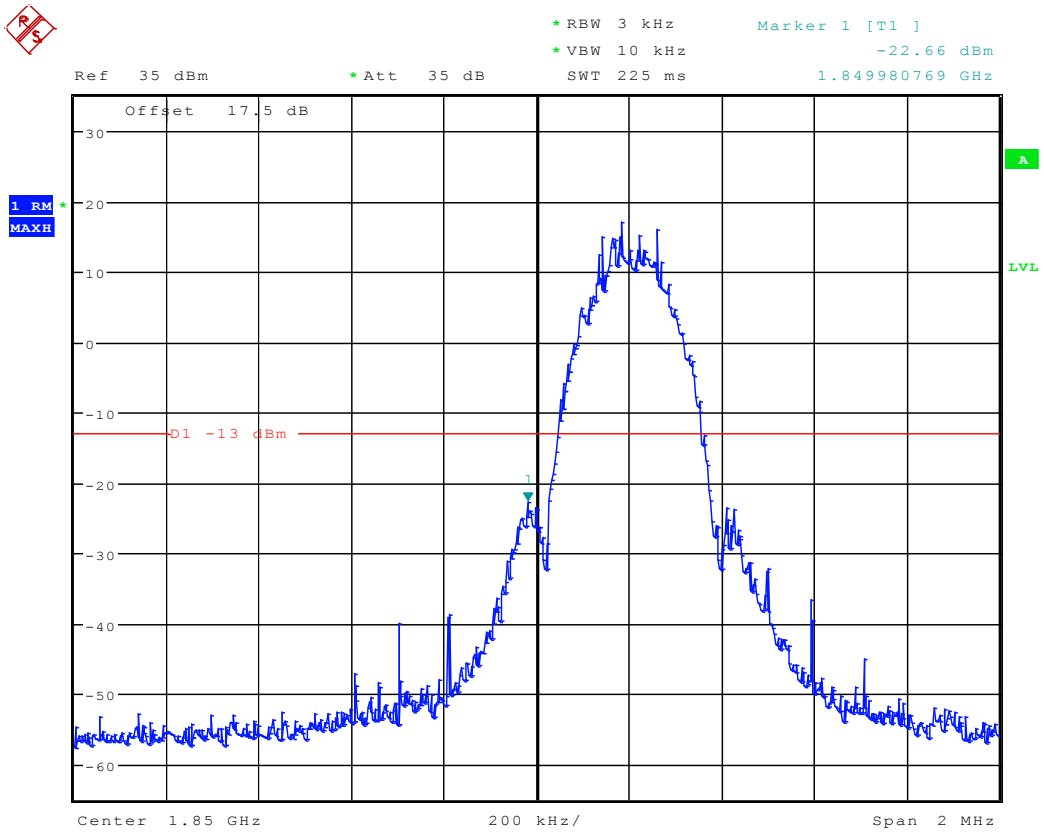
TM1:GPRS/GSM
Left Edge
Channel 512



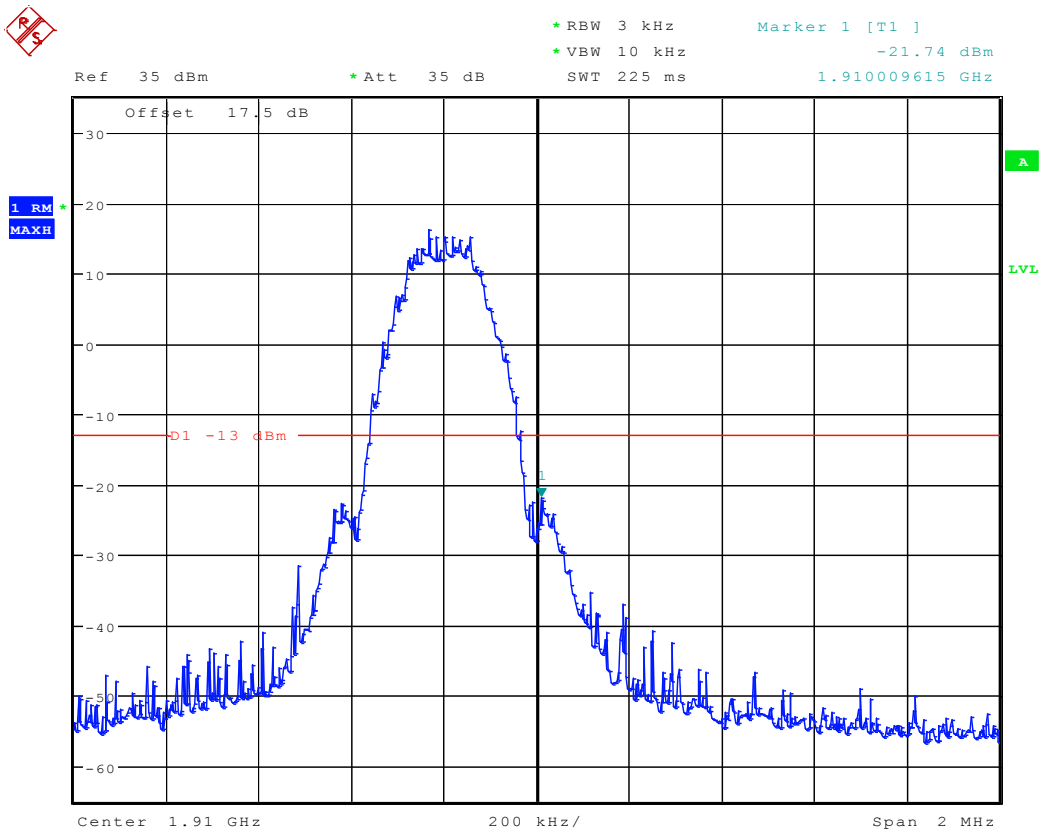
Right Edge
Channel 810



TM2:EDGE
Left Edge
Channel 512

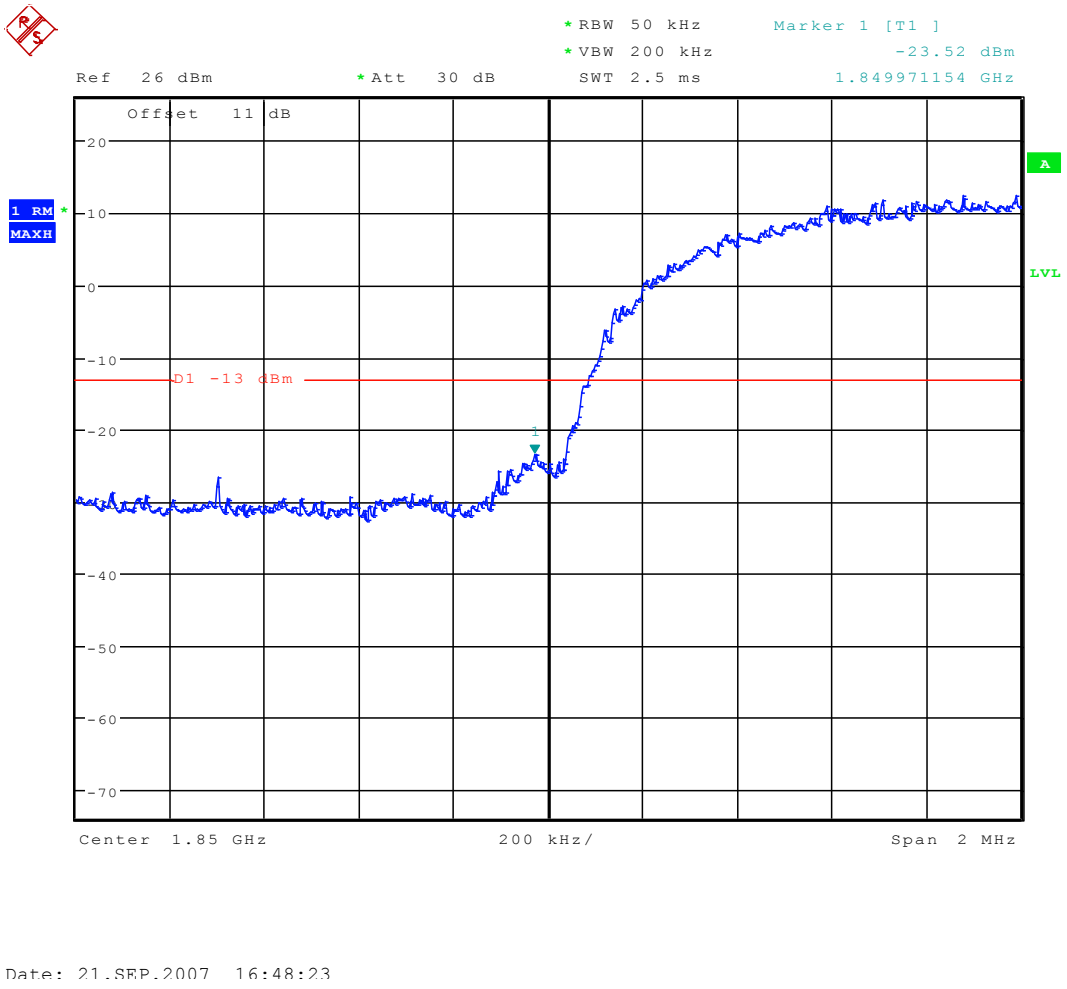


Right Edge
Channel 810



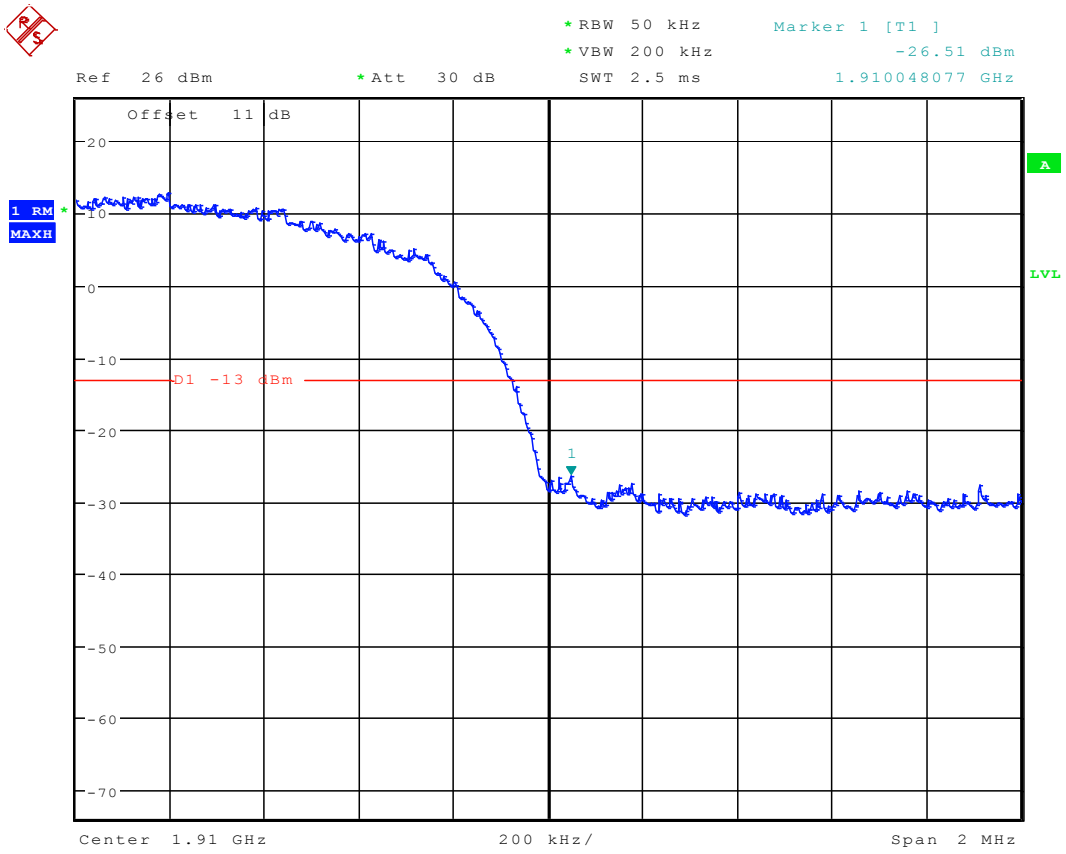
TM3:WCDMA

Left Edge
Channel 9262



Right Edge

Channel 9538



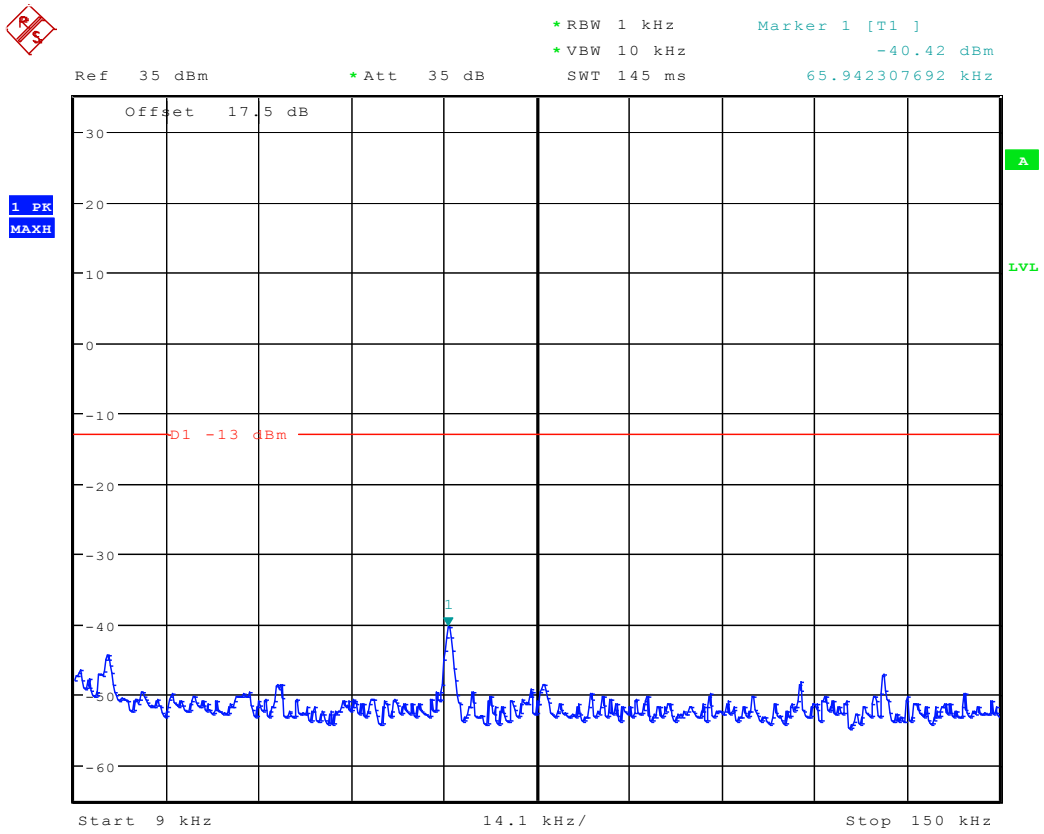
Appendix D

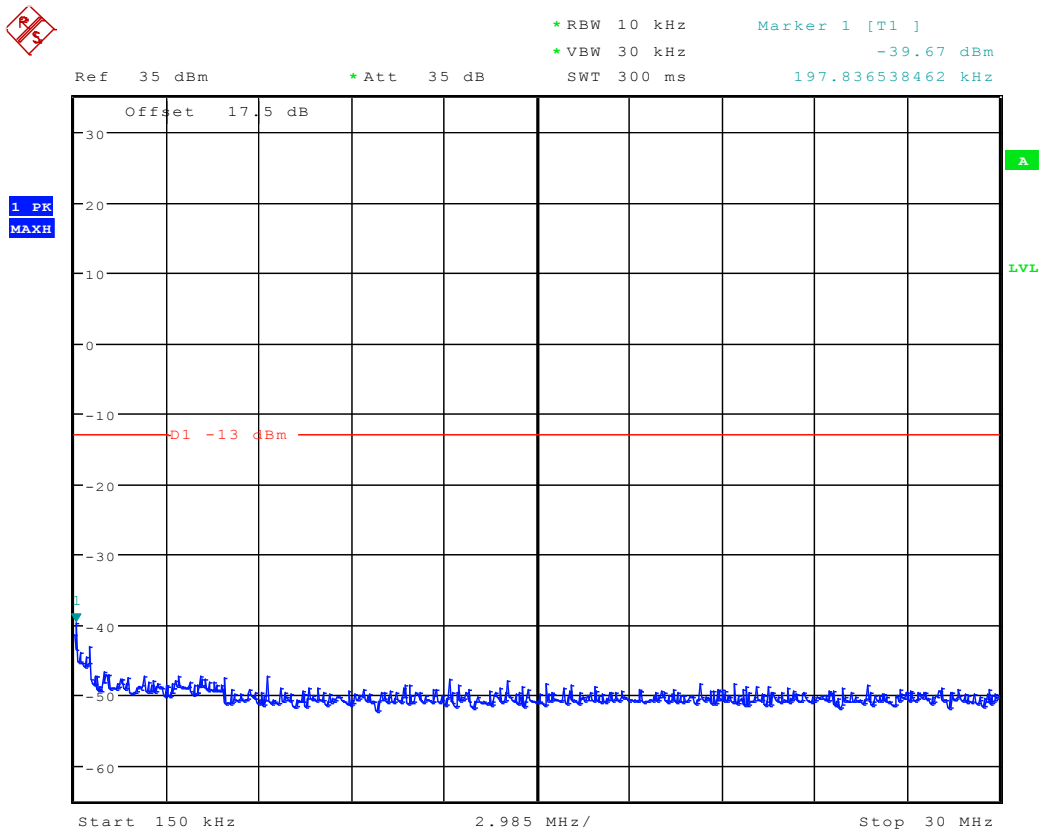
Spurious Emission at Antenna Terminal

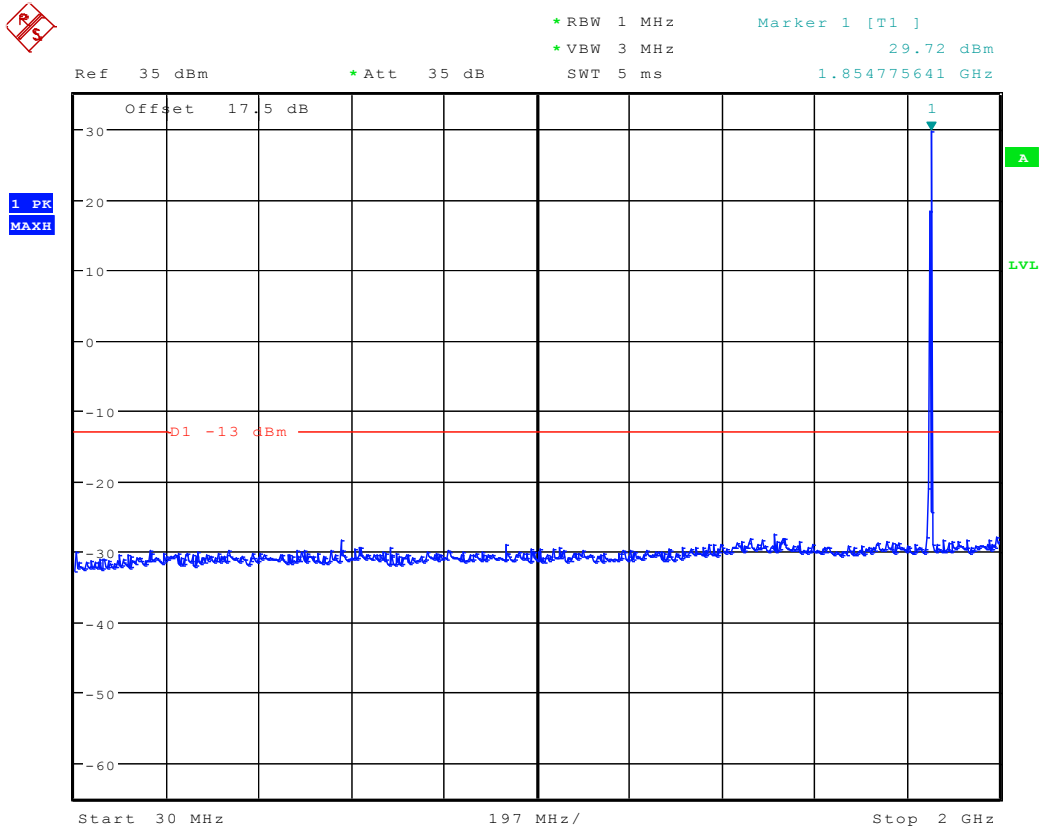
According to FCC Part 2.1051 & 24.238 & RSS-133

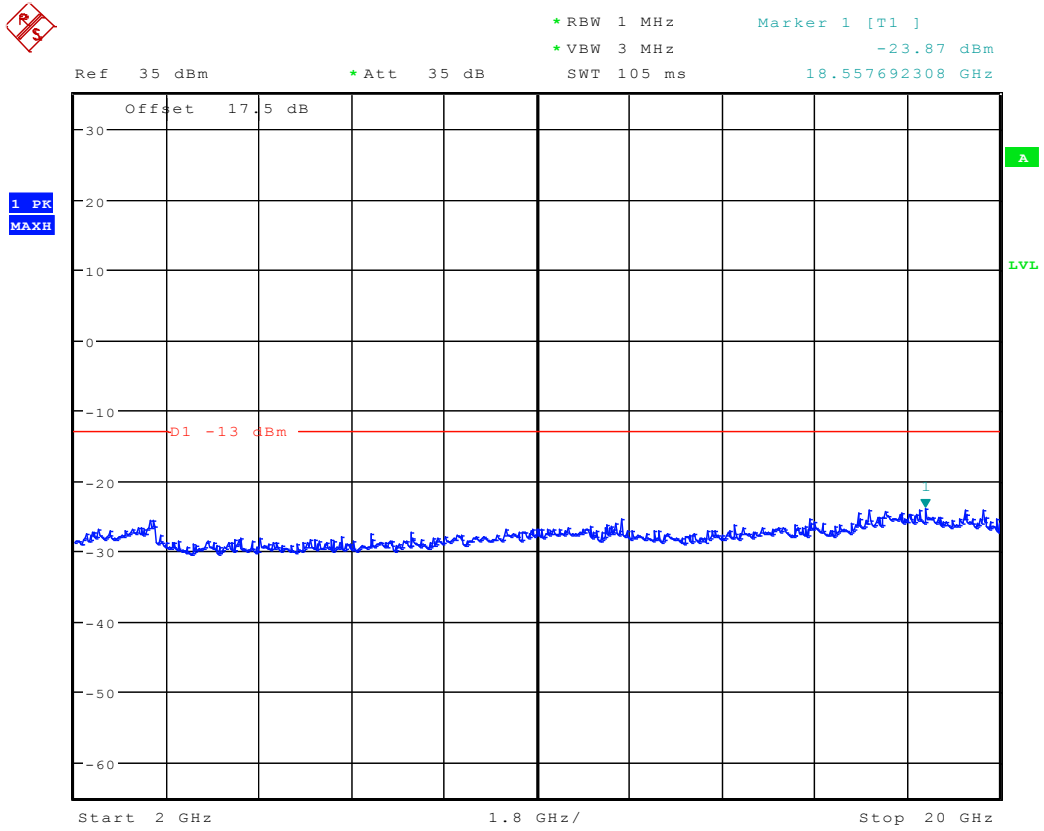
TM1:GPRS/GSM

Channel 512

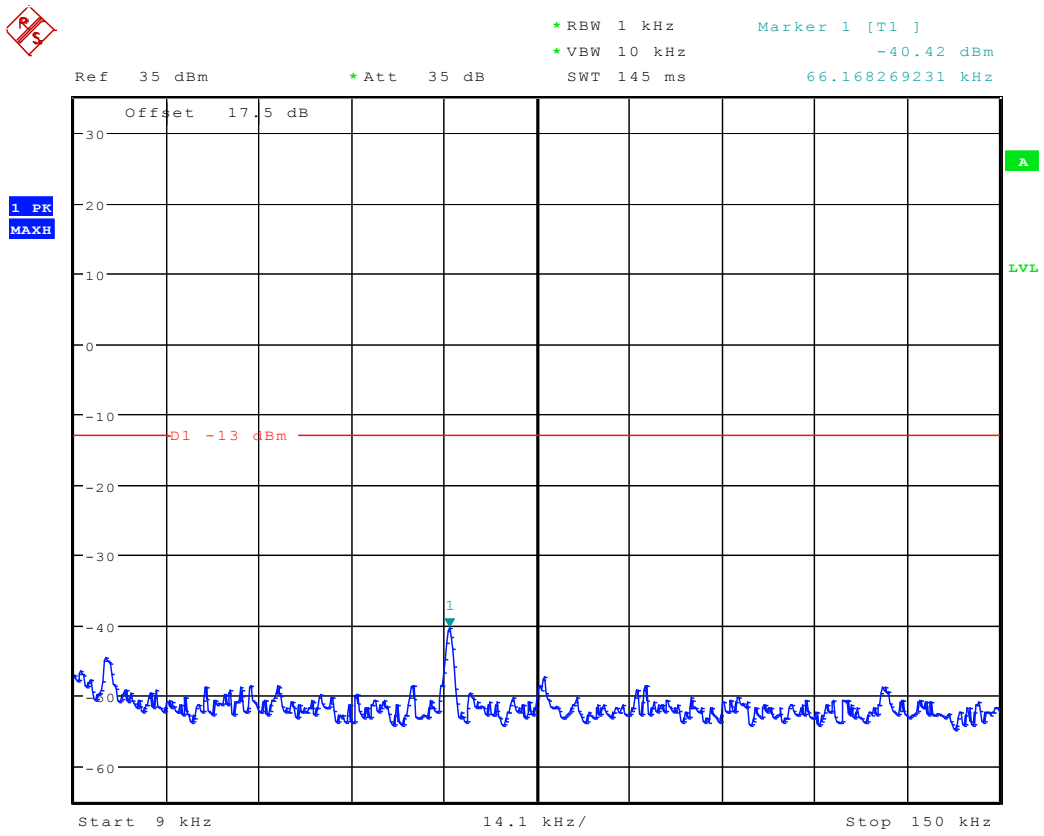


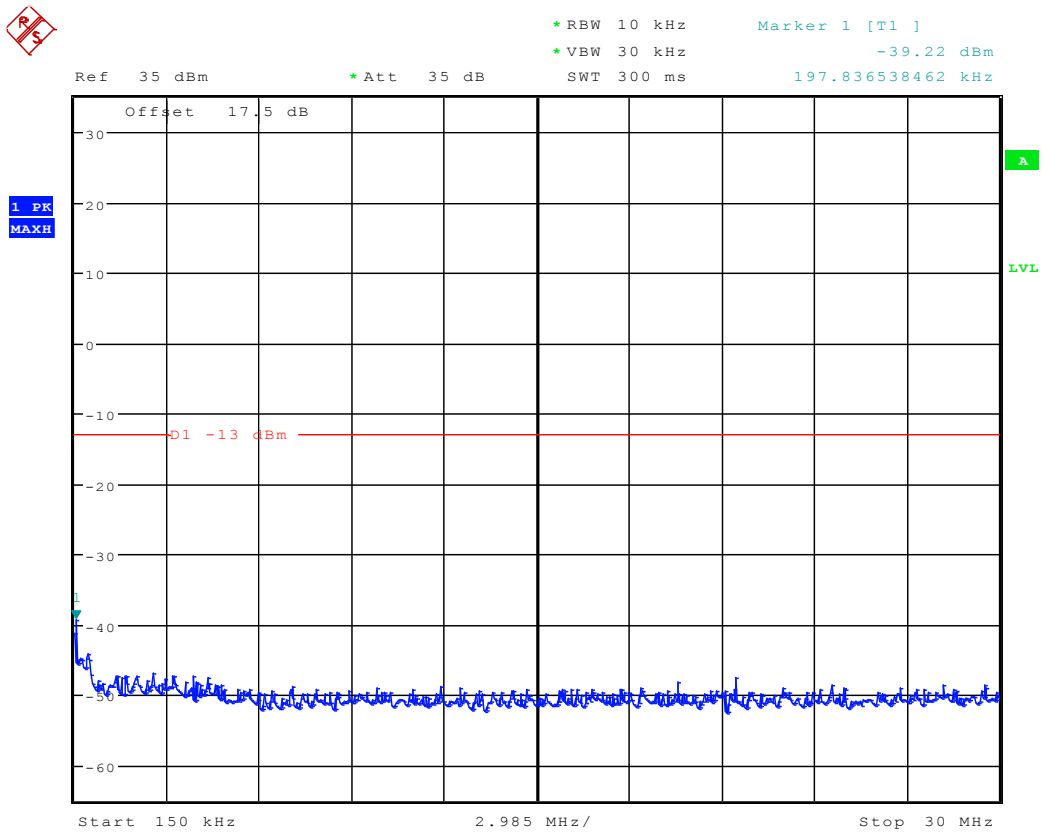

RBW 10 kHz
VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-39.67 dBm
197.836538462 kHz
Ref 35 dBm
Att 35 dB
Offset 17.5 dB
1 PK
MAXH
A
LVL
D1 -13 dBm
Start 150 kHz
2.985 MHz/
Stop 30 MHz

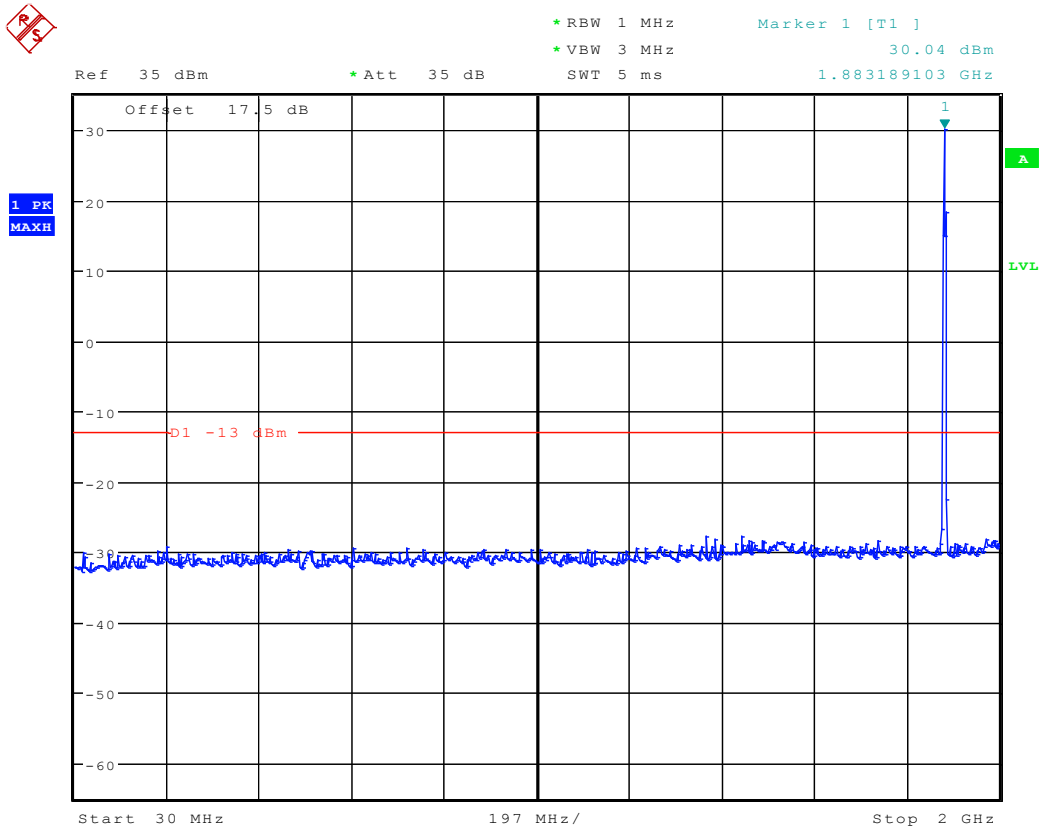

RBW 1 MHz
VBW 3 MHz
SWT 5 ms
Marker 1 [T1]
29.72 dBm
1.854775641 GHz
Ref 35 dBm
Att 35 dB
Offset 17.5 dB
1 PK
MAXH
A
LVL
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 30 MHz
197 MHz/
Stop 2 GHz

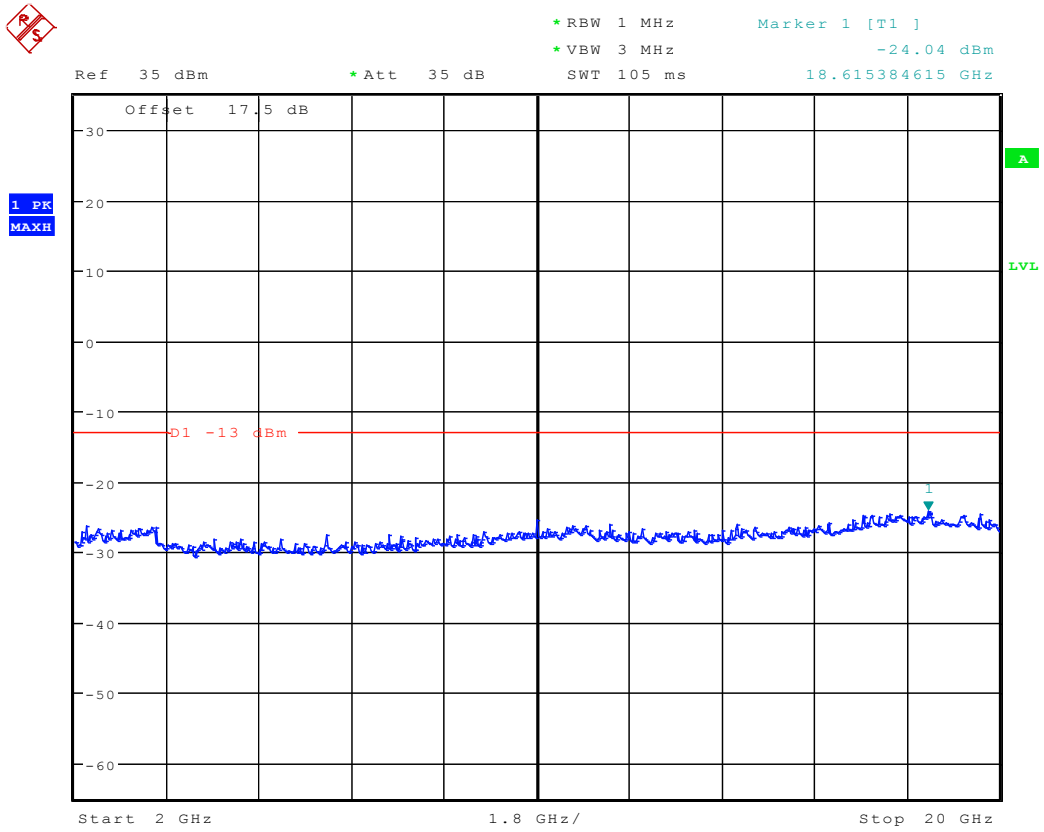

RBW 1 MHz
VBW 3 MHz
SWT 105 ms
Marker 1 [T1]
-23.87 dBm
18.557692308 GHz
Ref 35 dBm
Att 35 dB
Offset 17.5 dB
1 PK
MAXH
A
LVL
30
20
10
0
-10
-20
-30
-40
-50
-60
D1 -13 dBm
1
Start 2 GHz
1.8 GHz/
Stop 20 GHz

Channel 661

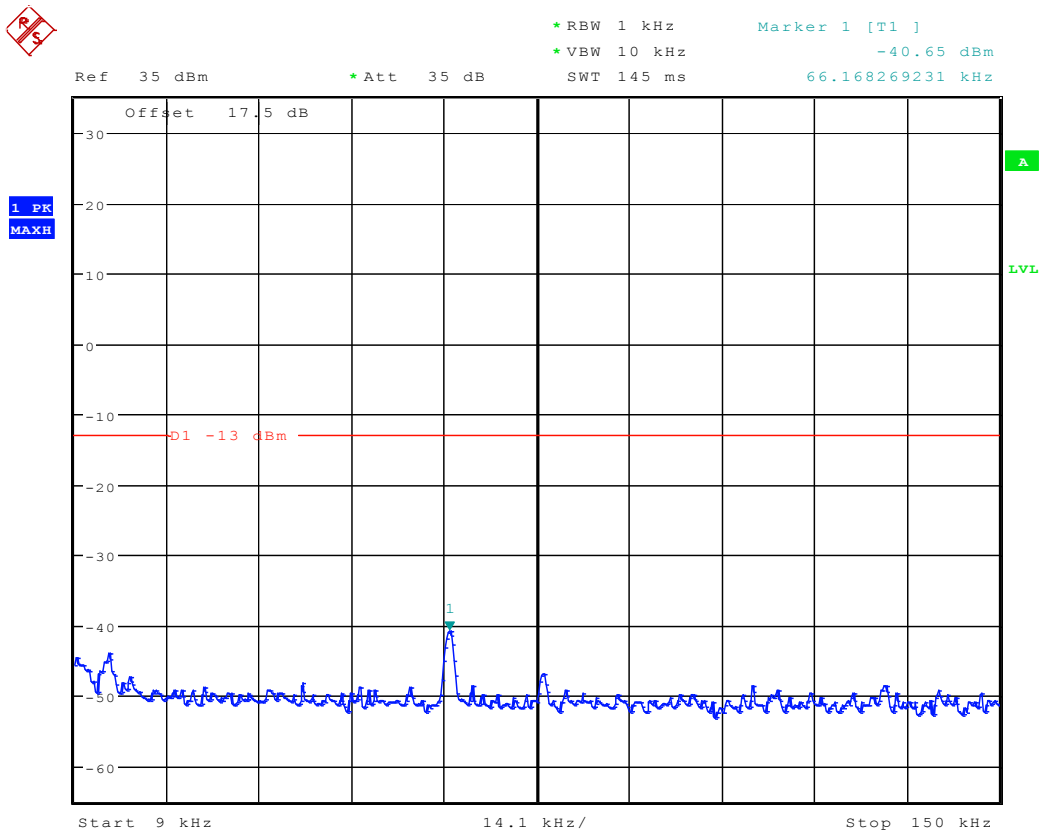

RBW 1 kHz
VBW 10 kHz
SWT 145 ms
Marker 1 [T1]
-40.42 dBm
66.168269231 kHz
Ref 35 dBm
Att 35 dB
Offset 17.5 dB
1 PK
MAXH
A
LVL
D1 -13 dBm
Start 9 kHz
14.1 kHz/
Stop 150 kHz

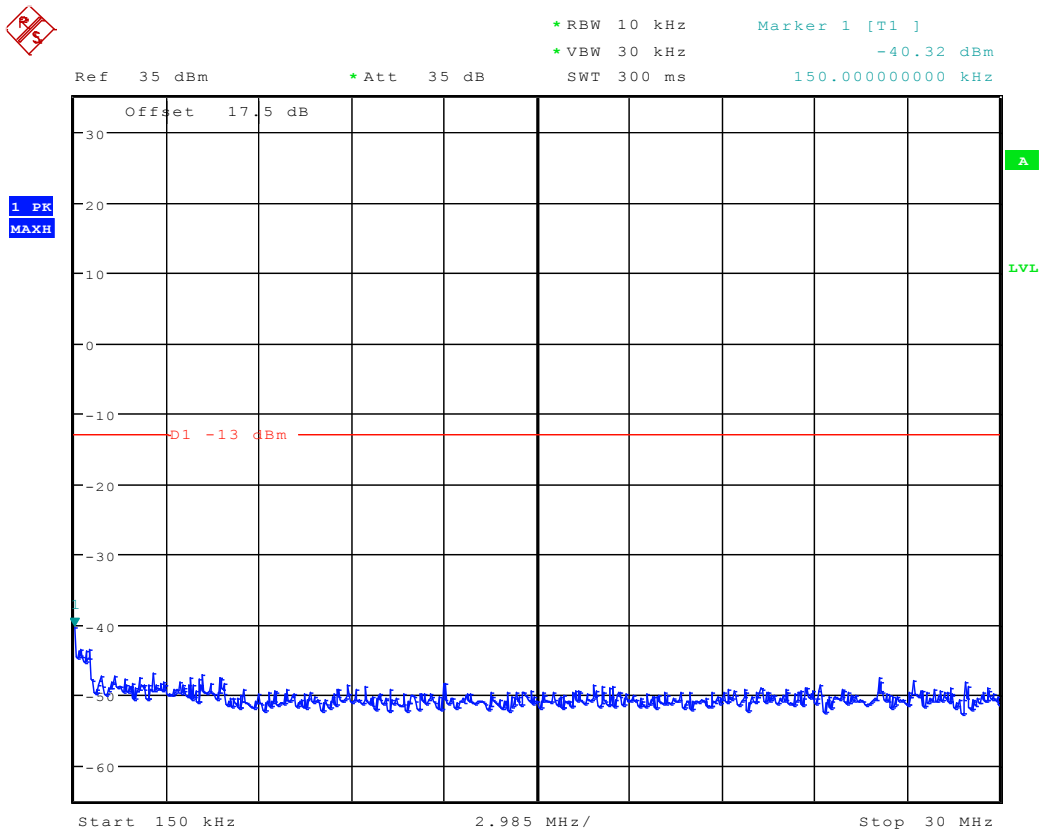

RBW 10 kHz
VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-39.22 dBm
197.836538462 kHz
Ref 35 dBm
Att 35 dB
Offset 17.5 dB
1 PK
MAXH
A
LVL
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 150 kHz
2.985 MHz/
Stop 30 MHz

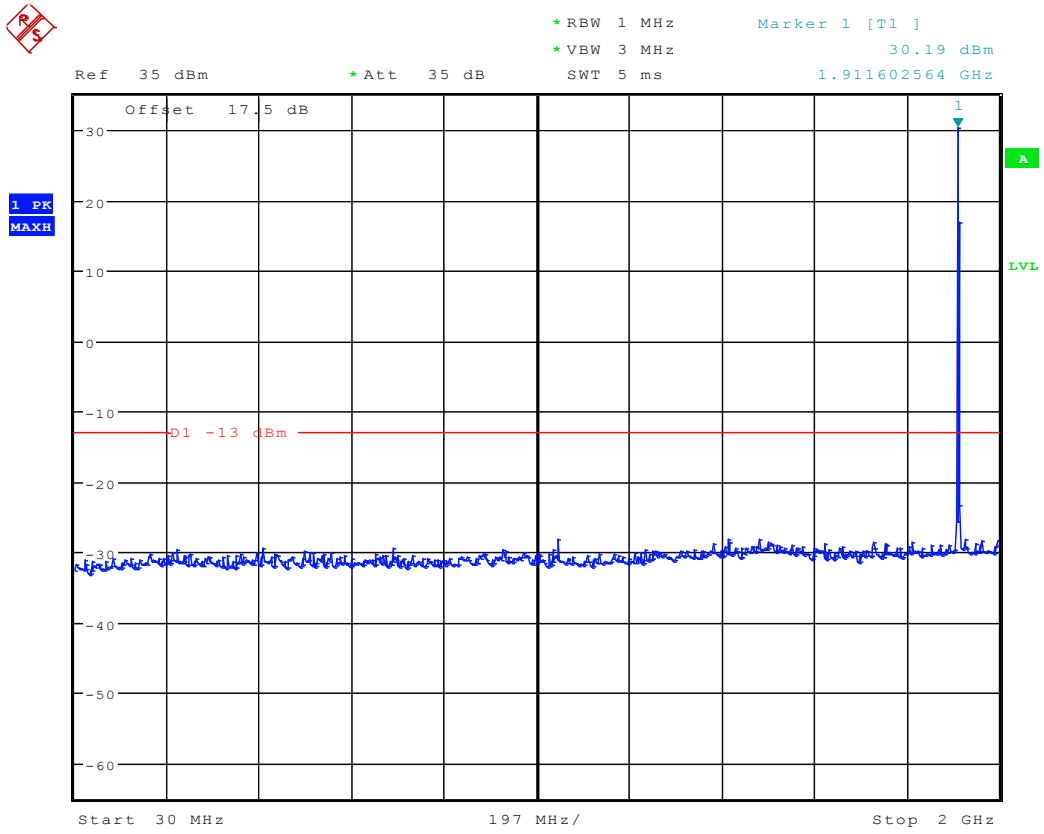

RBW 1 MHz
VBW 3 MHz
SWT 5 ms
Marker 1 [T1]
30.04 dBm
1.883189103 GHz
Ref 35 dBm
Att 35 dB
Offset 17.5 dB
1 PK
MAXH
A
LVL
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 30 MHz
197 MHz/
Stop 2 GHz

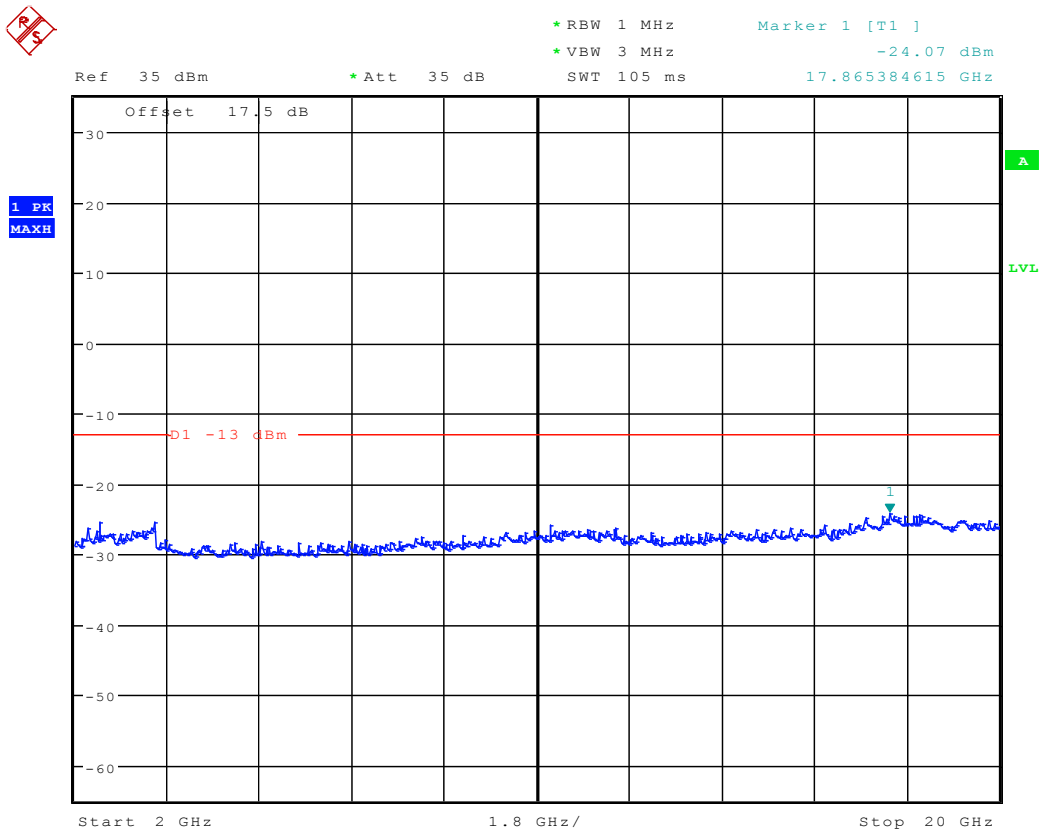

RBW 1 MHz
VBW 3 MHz
SWT 105 ms
Marker 1 [T1]
-24.04 dBm
18.615384615 GHz
Ref 35 dBm
Att 35 dB
Offset 17.5 dB
1 PK
MAXH
A
LVL
30
20
10
0
-10
-20
-30
-40
-50
-60
D1 -13 dBm
1
Start 2 GHz
1.8 GHz/
Stop 20 GHz

Channel 810

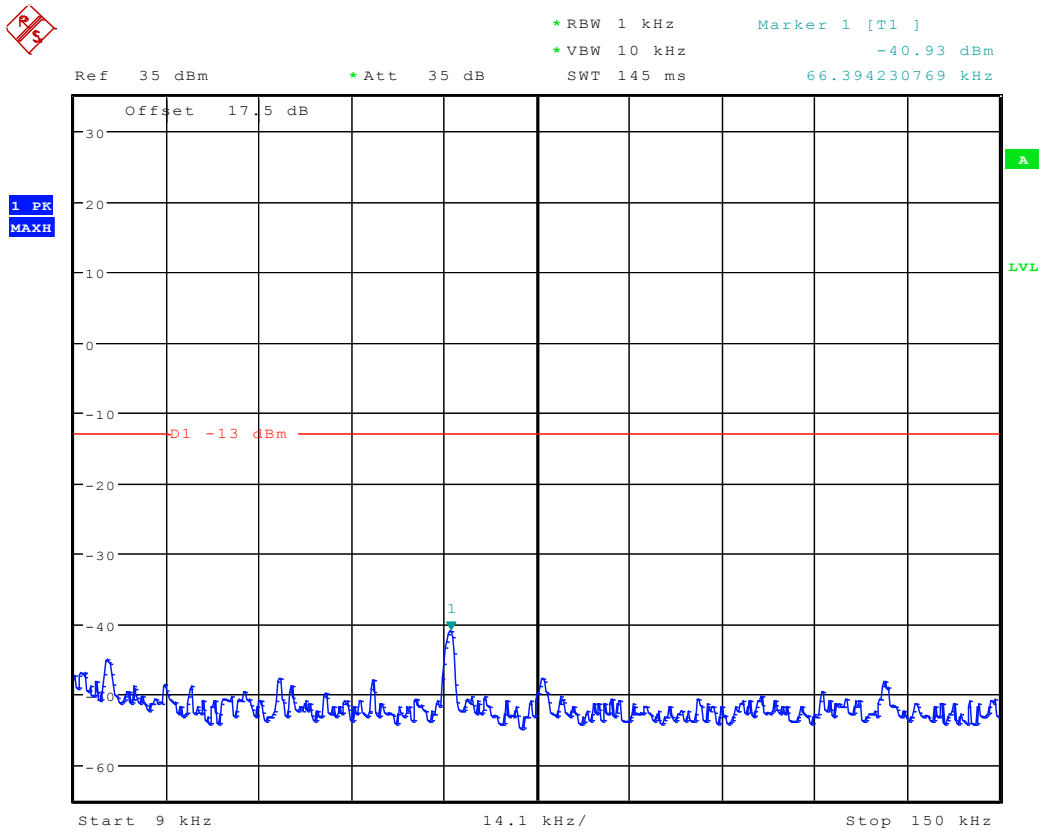

RBW 1 kHz
VBW 10 kHz
SWT 145 ms
Marker 1 [T1]
-40.65 dBm
66.168269231 kHz
Ref 35 dBm
Att 35 dB
Offset 17.5 dB
1 PK
MAXH
A
LVL
30
20
10
0
-10
-20
-30
-40
-50
-60
D1 -13 dBm
1
Start 9 kHz
14.1 kHz/
Stop 150 kHz

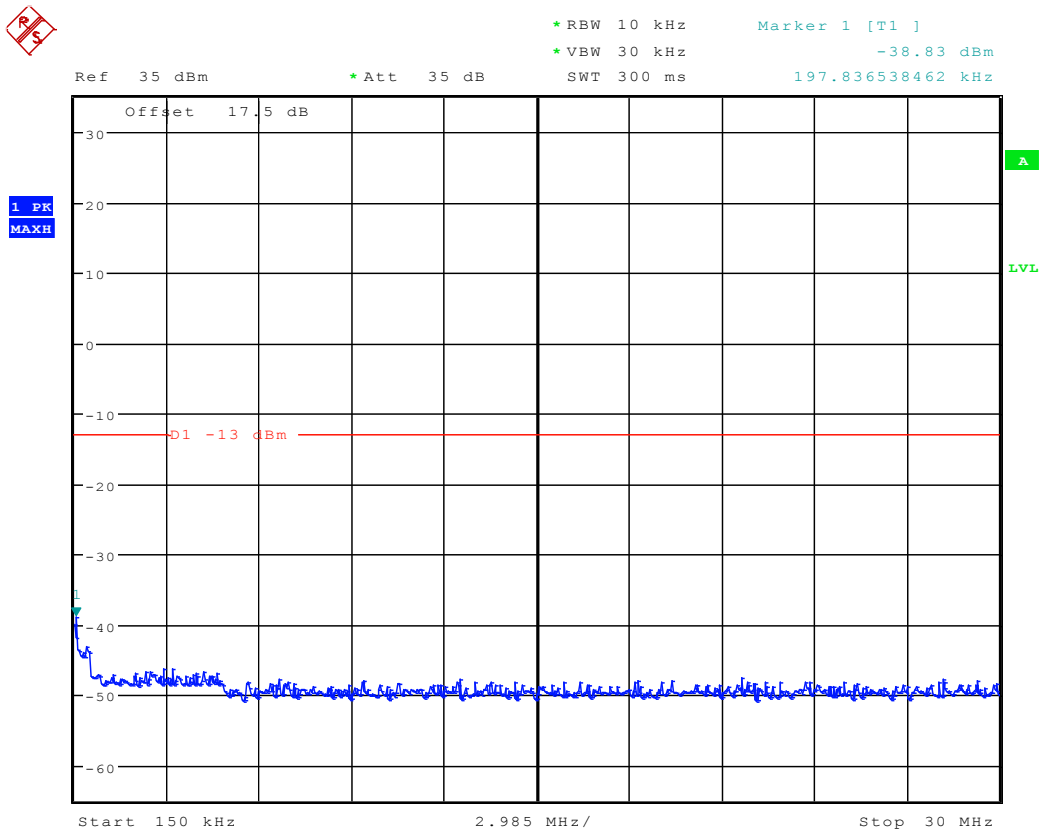

RBW 10 kHz
VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-40.32 dBm
150.000000000 kHz
Ref 35 dBm
Att 35 dB
Offset 17.5 dB
1 PK
MAXH
A
LVL
30
20
10
0
-10
-20
-30
-40
-50
-60
D1 -13 dBm
Start 150 kHz
2.985 MHz/
Stop 30 MHz

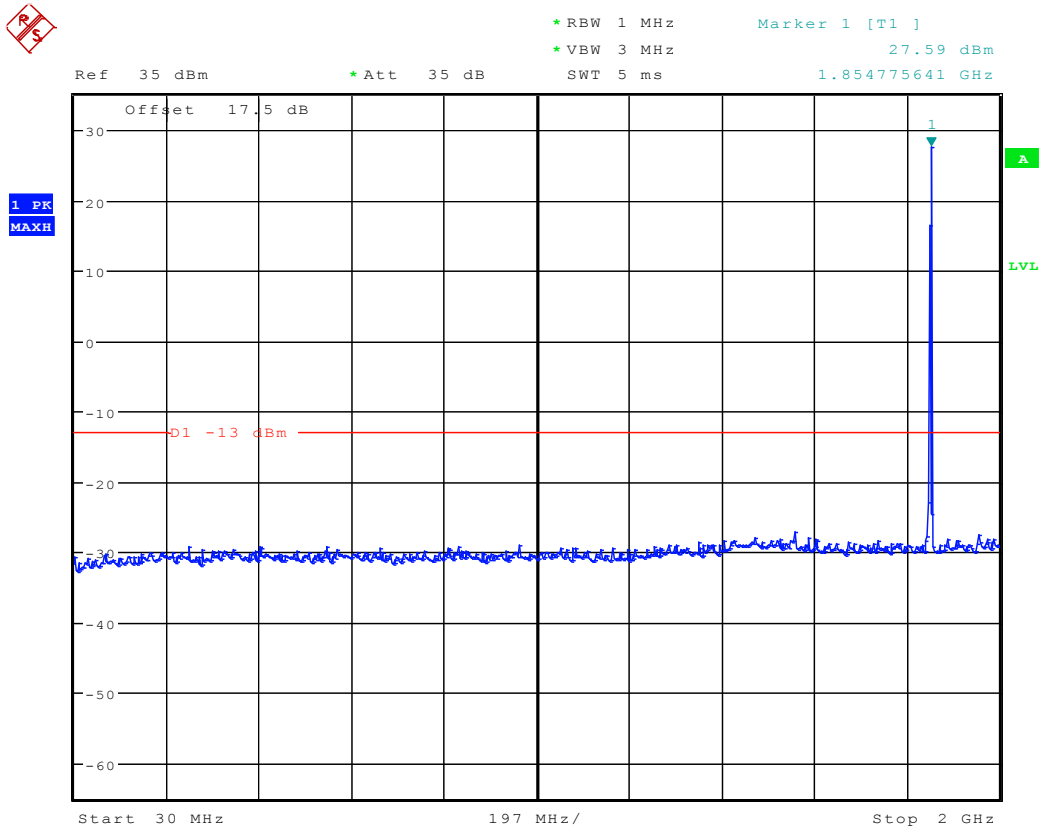

RBW 1 MHz
VBW 3 MHz
SWT 5 ms
Marker 1 [T1]
30.19 dBm
1.911602564 GHz
Ref 35 dBm
Att 35 dB
Offset 17.5 dB
1 PK
MAXH
A
LVL
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 30 MHz
197 MHz/
Stop 2 GHz

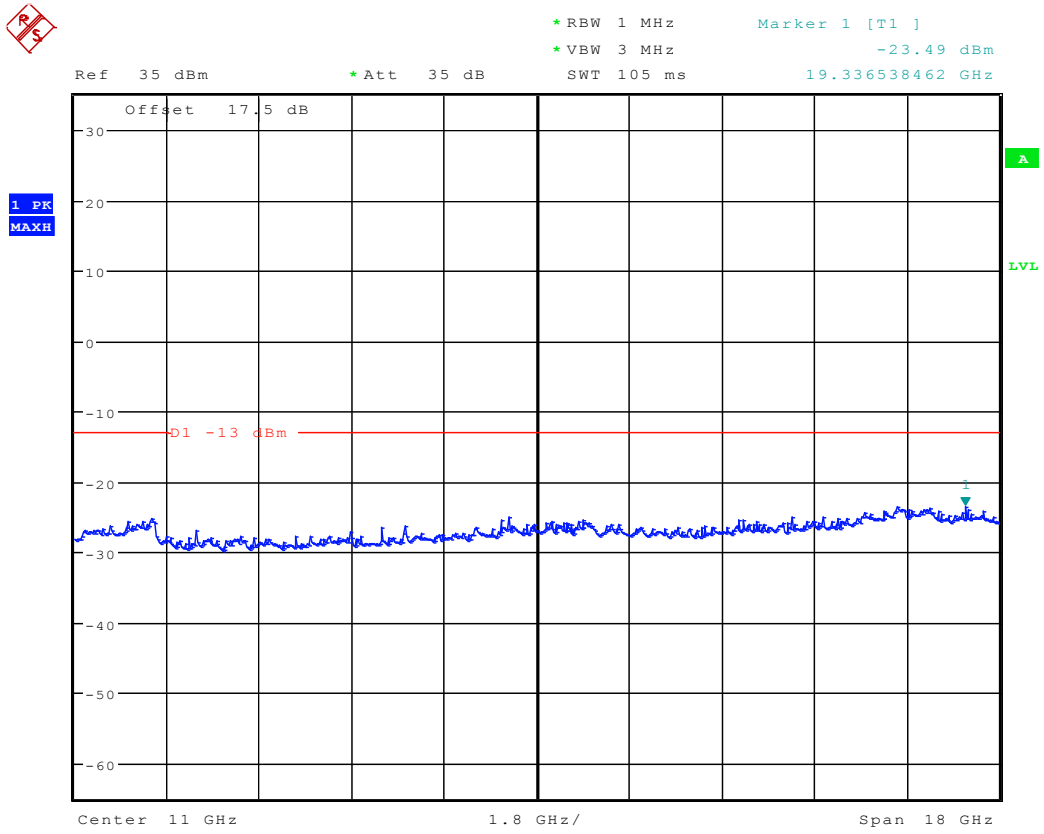

RBW 1 MHz
VBW 3 MHz
SWT 105 ms
Marker 1 [T1]
-24.07 dBm
17.865384615 GHz
Ref 35 dBm
Att 35 dB
Offset 17.5 dB
1 PK
MAXH
A
LVL
30
20
10
0
-10
-20
-30
-40
-50
-60
D1 -13 dBm
1
Start 2 GHz
1.8 GHz/
Stop 20 GHz

TM2:EDGE
Channel 512

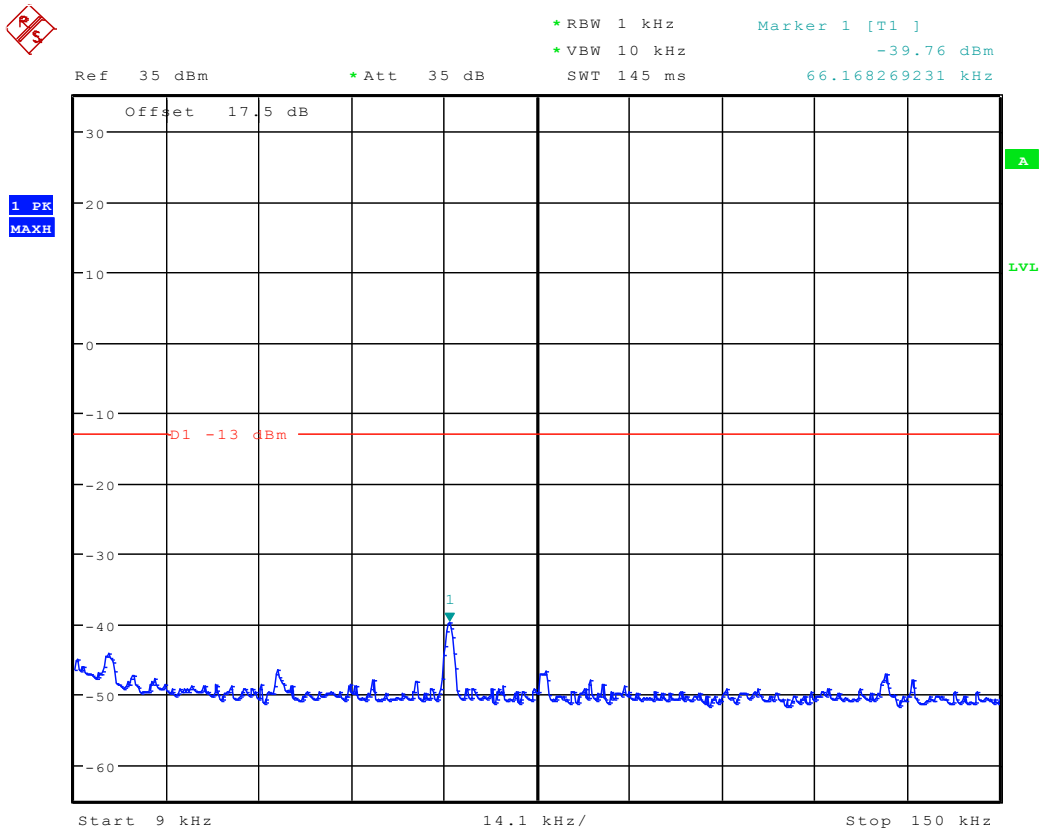


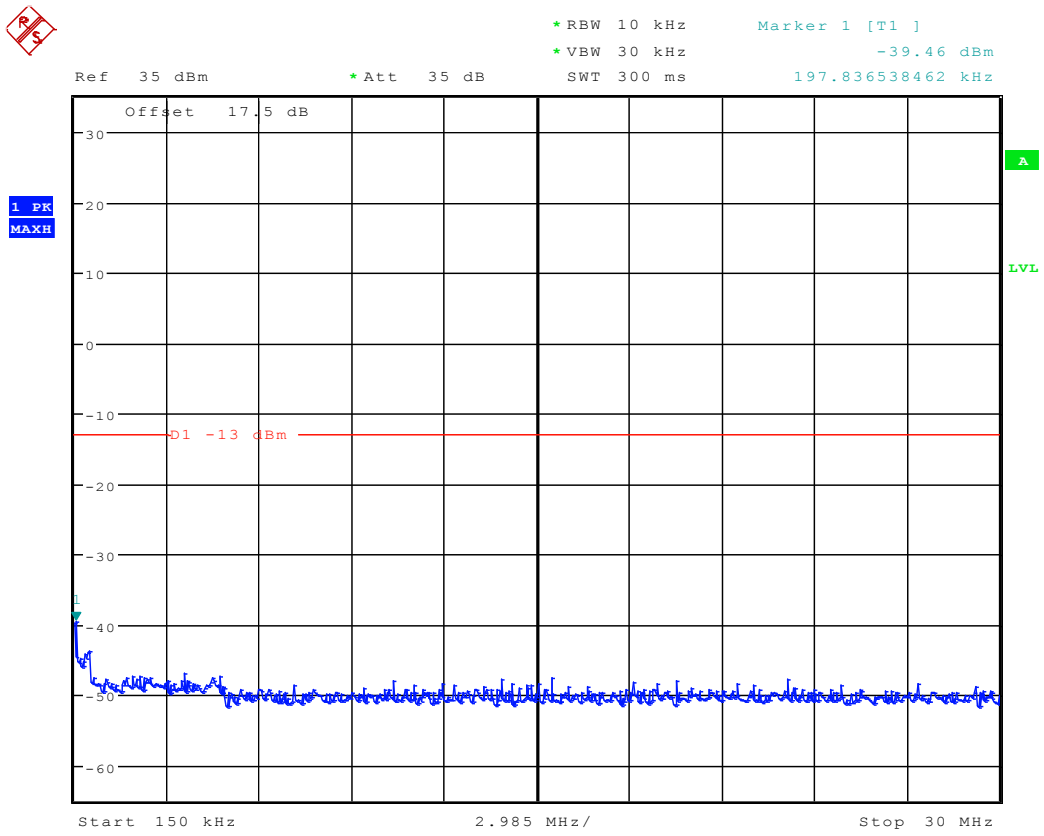

RBW 10 kHz
VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-38.83 dBm
197.836538462 kHz
Ref 35 dBm
Att 35 dB
Offset 17.5 dB
1 PK
MAXH
A
LVL
D1 -13 dBm
Start 150 kHz
2.985 MHz/
Stop 30 MHz

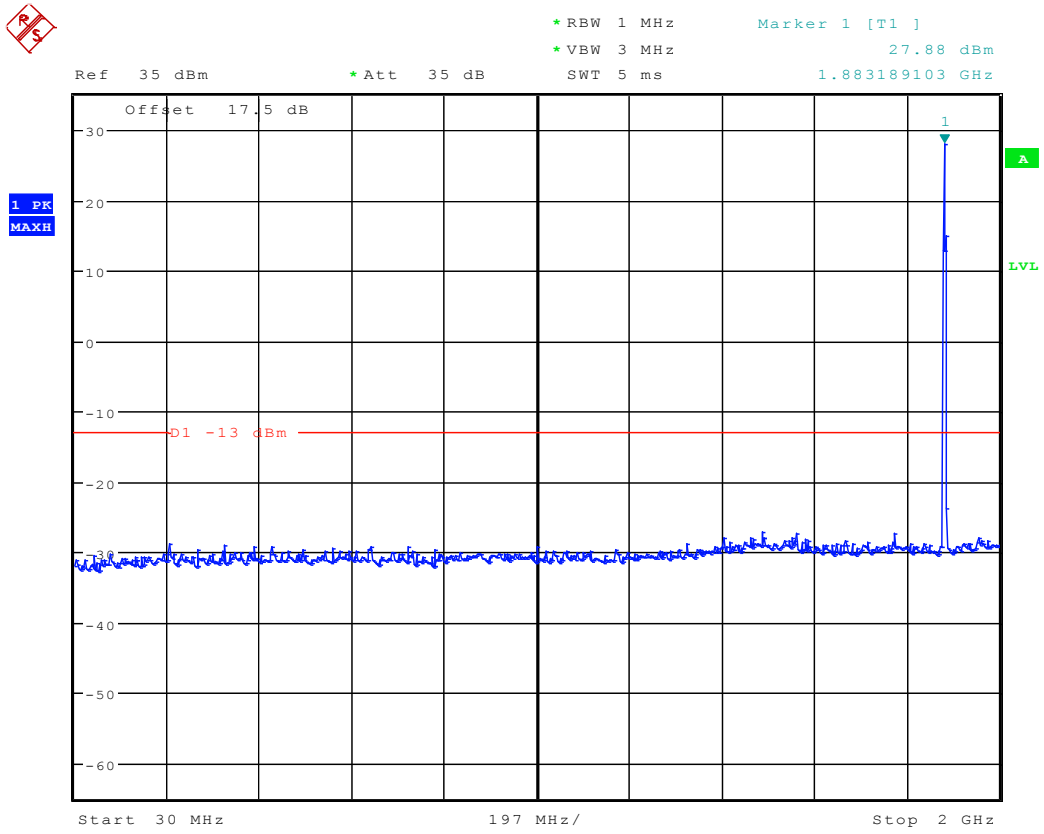

RBW 1 MHz
VBW 3 MHz
SWT 5 ms
Marker 1 [T1]
27.59 dBm
1.854775641 GHz
Ref 35 dBm
Att 35 dB
Offset 17.5 dB
1 PK
MAXH
A
LVL
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 30 MHz
197 MHz/
Stop 2 GHz

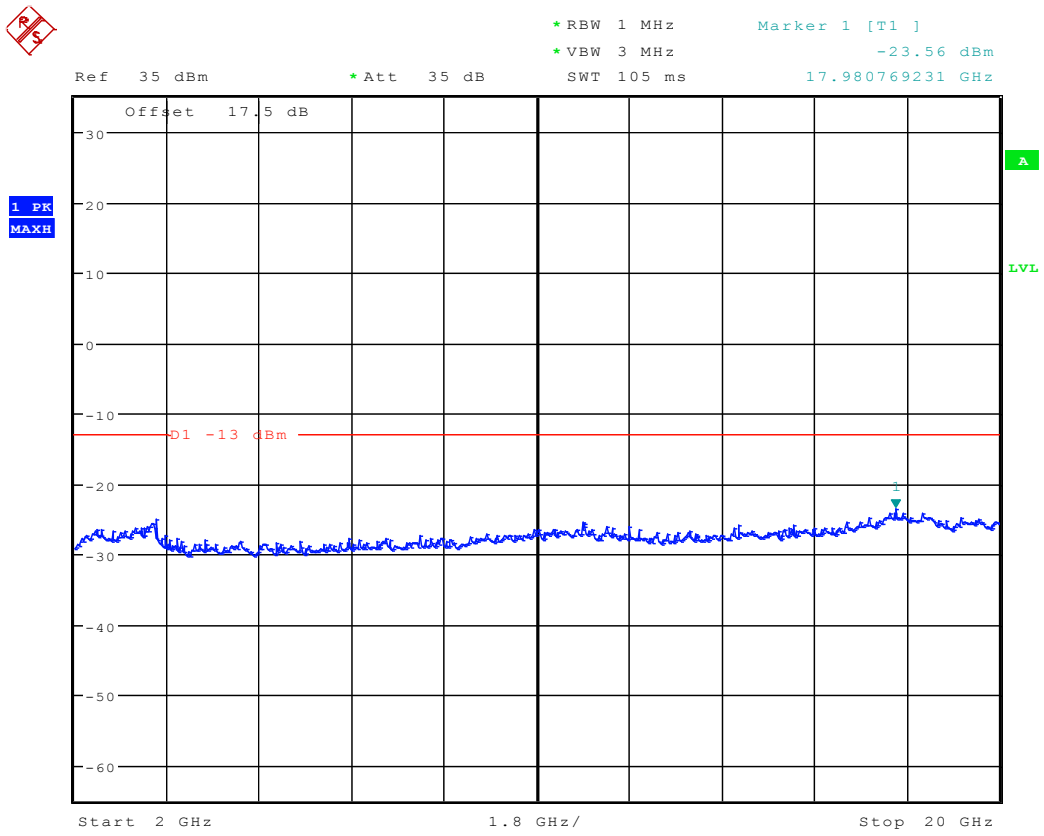

RBW 1 MHz
VBW 3 MHz
SWT 105 ms
Marker 1 [T1]
-23.49 dBm
19.336538462 GHz
Ref 35 dBm
Att 35 dB
Offset 17.5 dB
1 PK
MAXH
A
LVL
30
20
10
0
-10
-20
-30
-40
-50
-60
D1 -13 dBm
1
Center 11 GHz
1.8 GHz/
Span 18 GHz

Channel 661

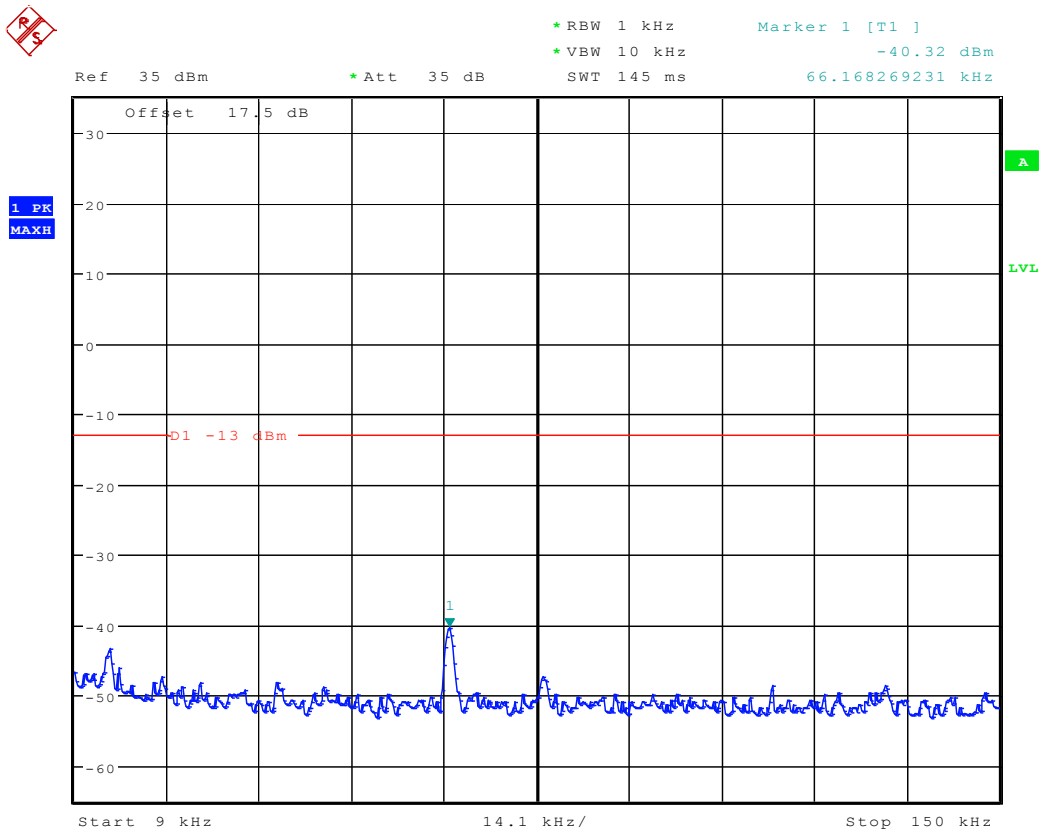

RBW 1 kHz
VBW 10 kHz
SWT 145 ms
Marker 1 [T1]
-39.76 dBm
66.168269231 kHz
Ref 35 dBm
Att 35 dB
Offset 17.5 dB
1 PK
MAXH
A
LVL
30
20
10
0
-10
-20
-30
-40
-50
-60
D1 -13 dBm
1
Start 9 kHz
14.1 kHz/
Stop 150 kHz

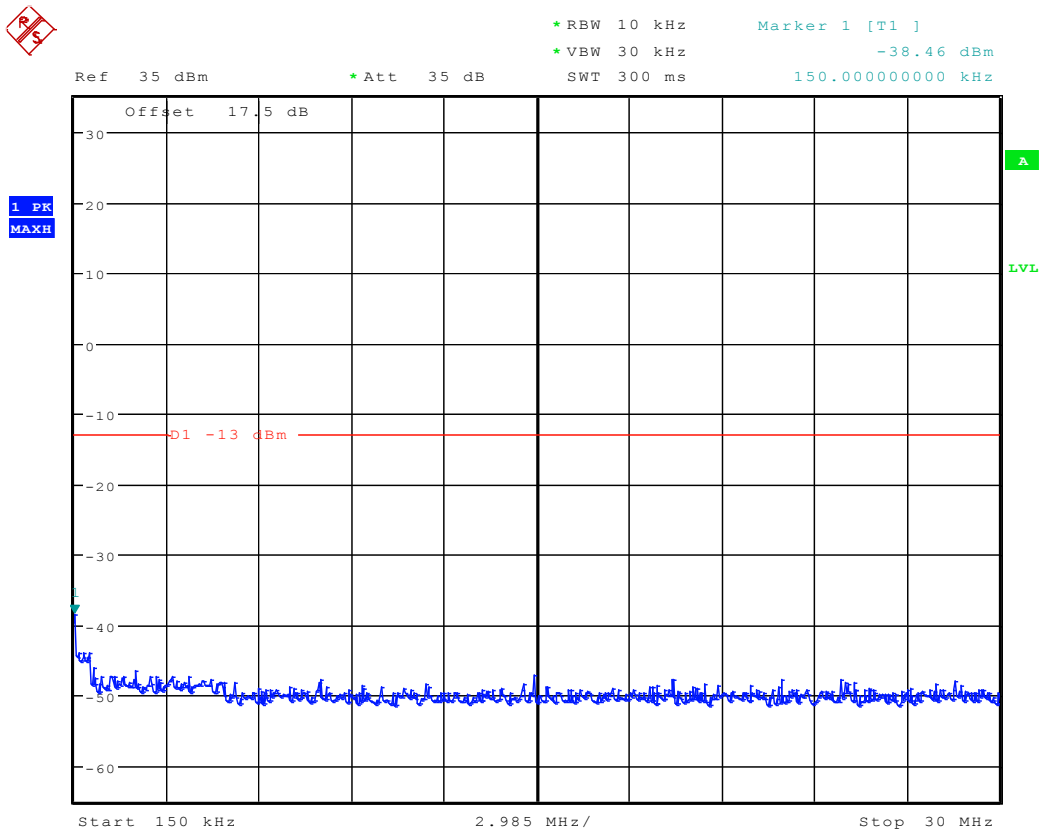

RBW 10 kHz
VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-39.46 dBm
197.836538462 kHz
Ref 35 dBm
Att 35 dB
Offset 17.5 dB
1 PK
MAXH
A
LVL
D1 -13 dBm
Start 150 kHz
2.985 MHz/
Stop 30 MHz

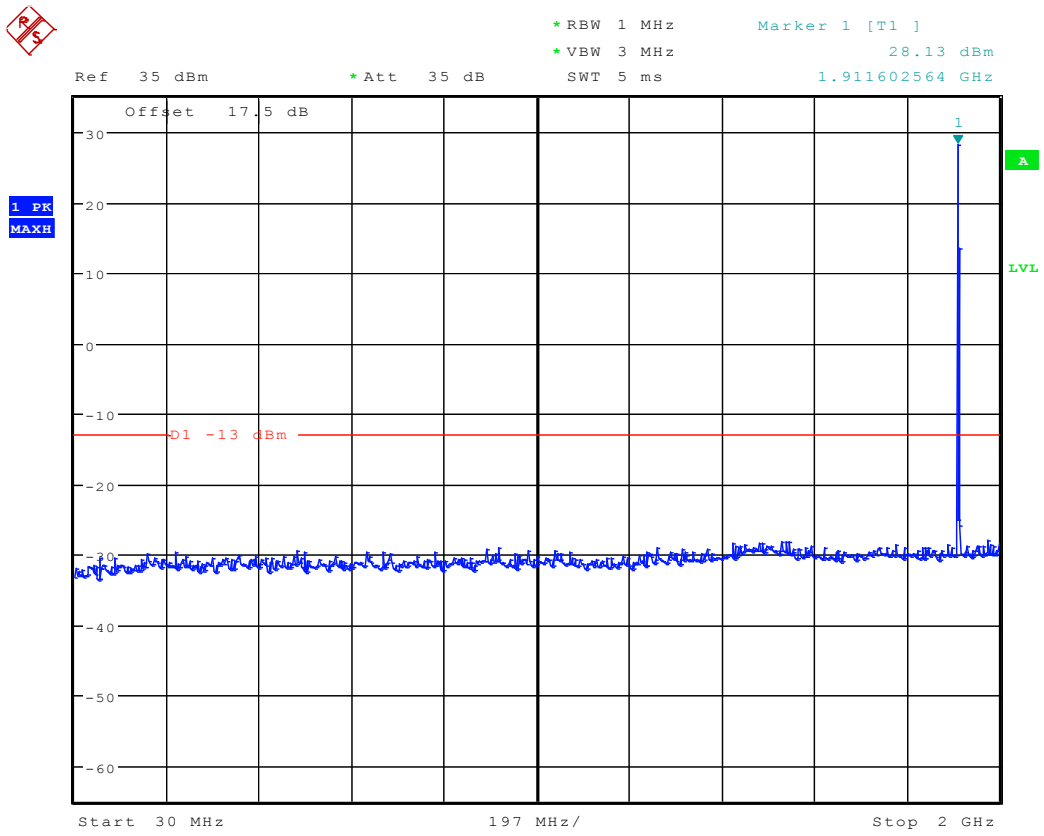

RBW 1 MHz
VBW 3 MHz
SWT 5 ms
Marker 1 [T1]
27.88 dBm
1.883189103 GHz
Ref 35 dBm
Att 35 dB
Offset 17.5 dB
1 PK
MAXH
A
LVL
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 30 MHz
197 MHz/
Stop 2 GHz

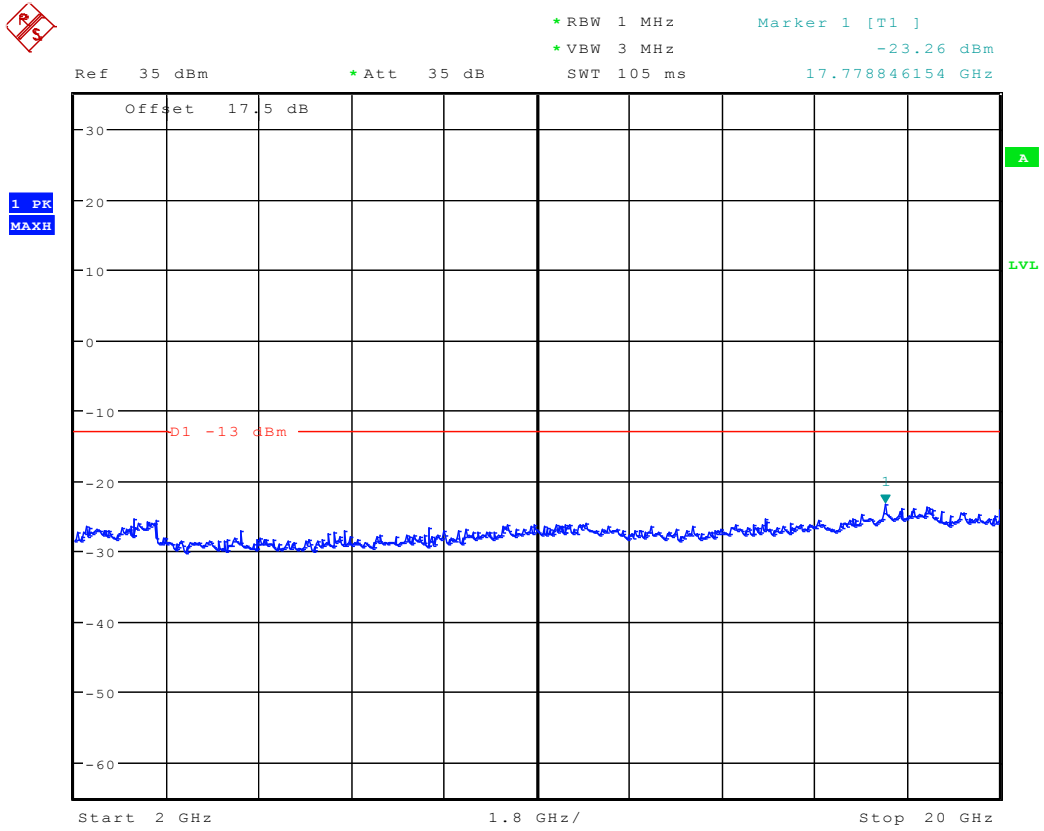

RBW 1 MHz
VBW 3 MHz
SWT 105 ms
Marker 1 [T1]
-23.56 dBm
17.980769231 GHz
Ref 35 dBm
Att 35 dB
Offset 17.5 dB
1 PK
MAXH
A
LVL
30
20
10
0
-10
-20
-30
-40
-50
-60
D1 -13 dBm
1
Start 2 GHz
1.8 GHz/
Stop 20 GHz

Channel 810

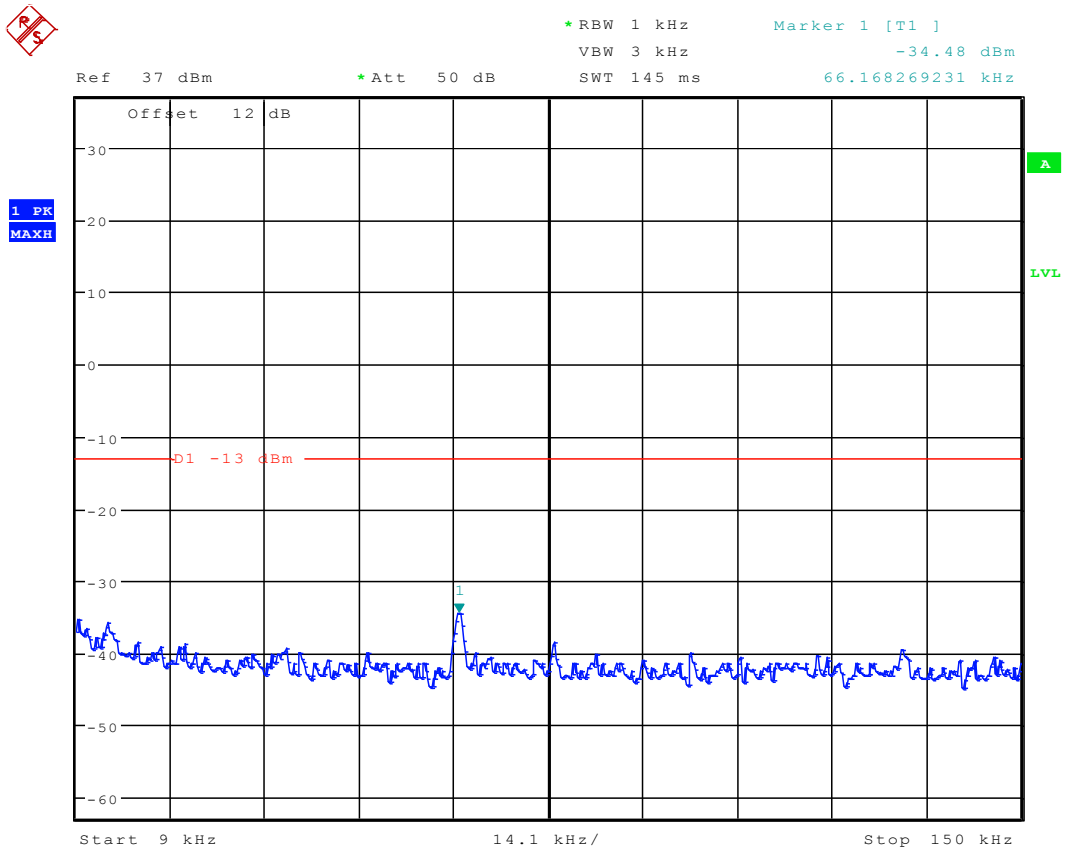

RBW 1 kHz
VBW 10 kHz
SWT 145 ms
Marker 1 [T1]
-40.32 dBm
66.168269231 kHz
Ref 35 dBm
Att 35 dB
Offset 17.5 dB
1 PK
MAXH
A
LVL
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 9 kHz
14.1 kHz/
Stop 150 kHz


RBW 10 kHz
VBW 30 kHz
SWT 300 ms
Marker 1 [T1]
-38.46 dBm
150.000000000 kHz
Ref 35 dBm
Att 35 dB
Offset 17.5 dB
1 PK
MAXH
A
LVL
30
20
10
0
-10
-20
-30
-40
-50
-60
D1 -13 dBm
Start 150 kHz
2.985 MHz/
Stop 30 MHz

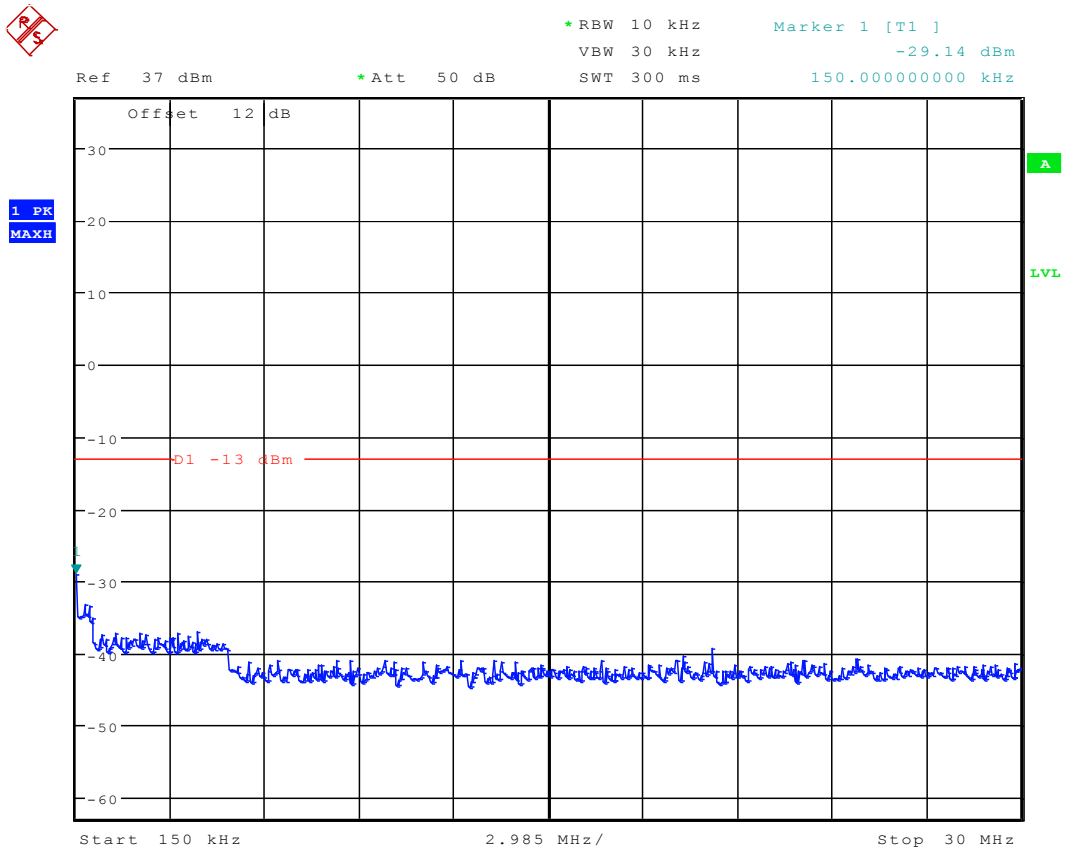

RBW 1 MHz
VBW 3 MHz
SWT 5 ms
Marker 1 [T1]
28.13 dBm
1.911602564 GHz
Ref 35 dBm
Att 35 dB
Offset 17.5 dB
1 PK
MAXH
A
LVL
D1 -13 dBm
30
20
10
0
-10
-20
-30
-40
-50
-60
Start 30 MHz
197 MHz/
Stop 2 GHz


RBW 1 MHz
VBW 3 MHz
Marker 1 [T1]
-23.26 dBm
17.778846154 GHz
Ref 35 dBm
Att 35 dB
SWT 105 ms
Offset 17.5 dB
1 PK
MAXH
A
LVL
30
20
10
0
-10
-20
-30
-40
-50
-60
D1 -13 dBm
Start 2 GHz
1.8 GHz/
Stop 20 GHz

TM3:WCDMA
Channel 9262



Date: 21.SEP.2007 14:35:06



Date: 21.SEP.2007 14:32:53

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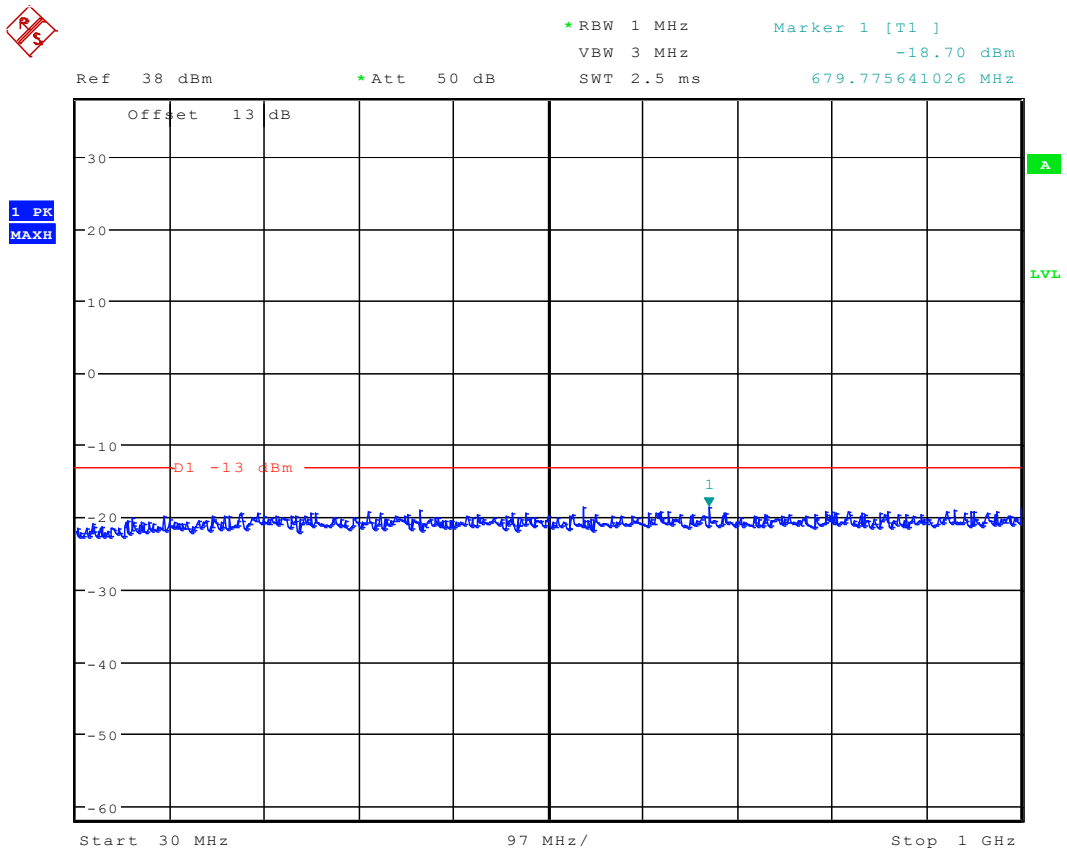
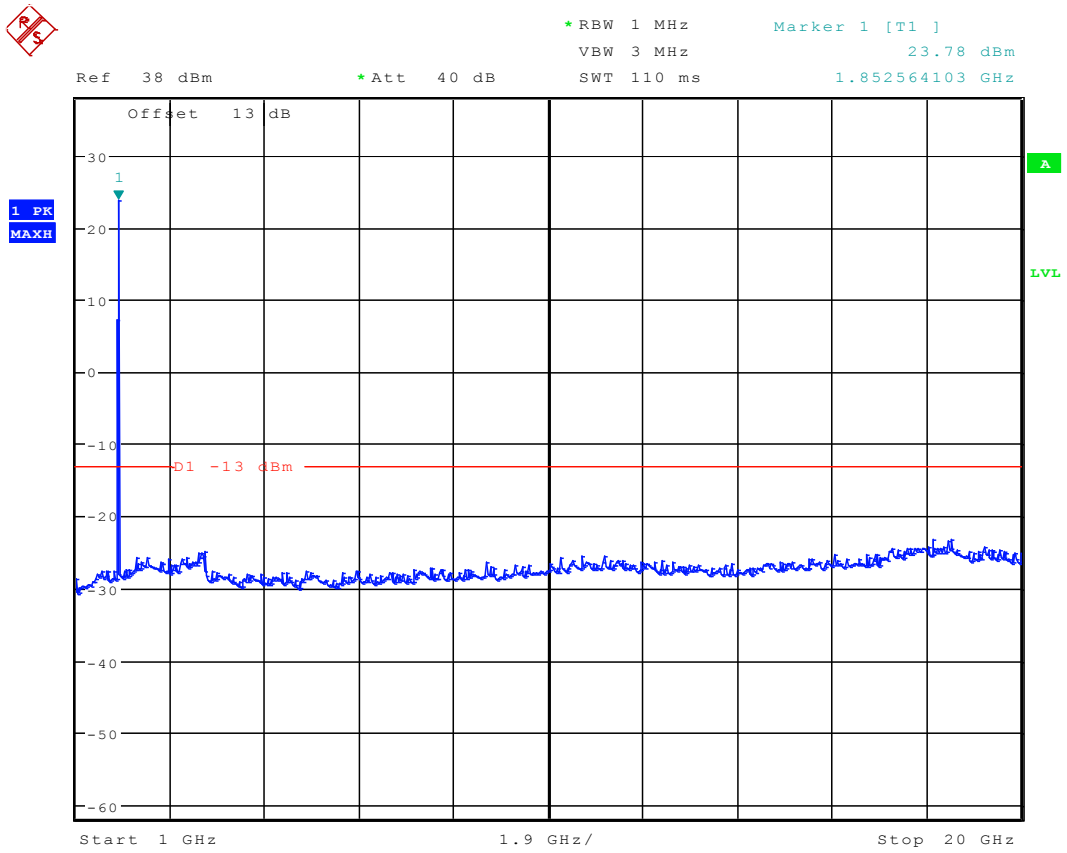
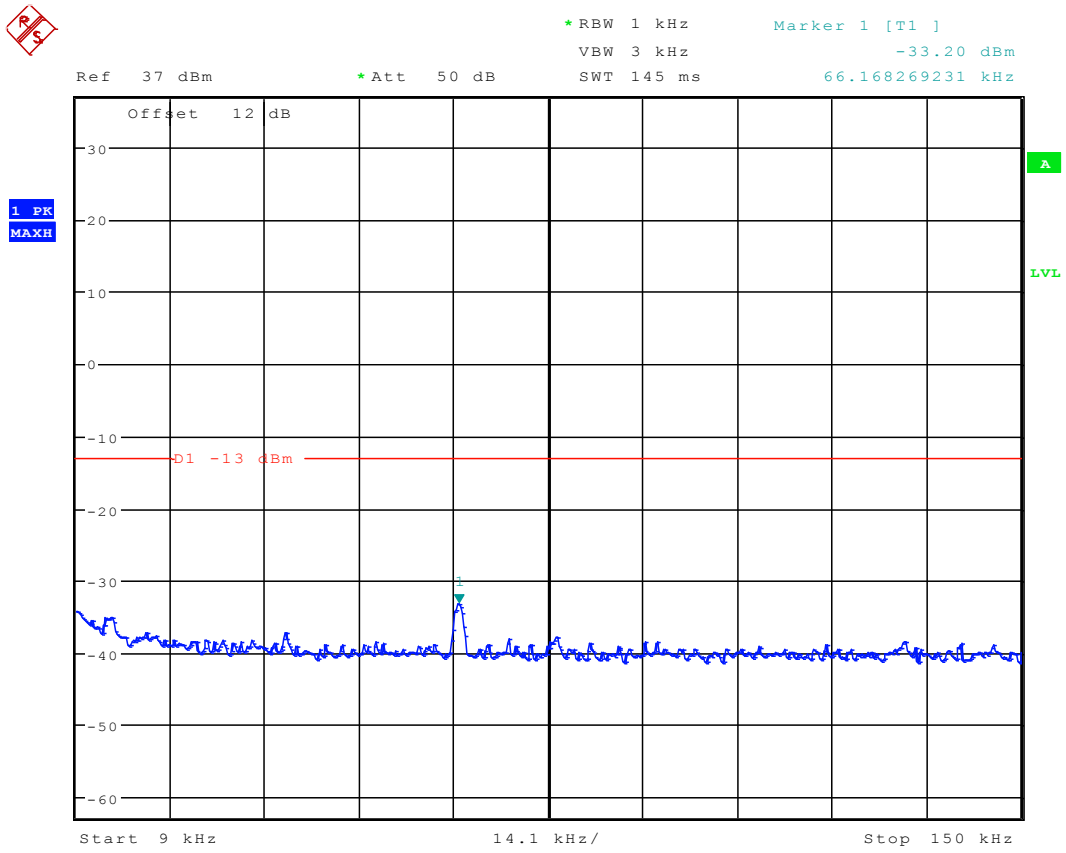


Date: 21.SEP.2007 14:37:22

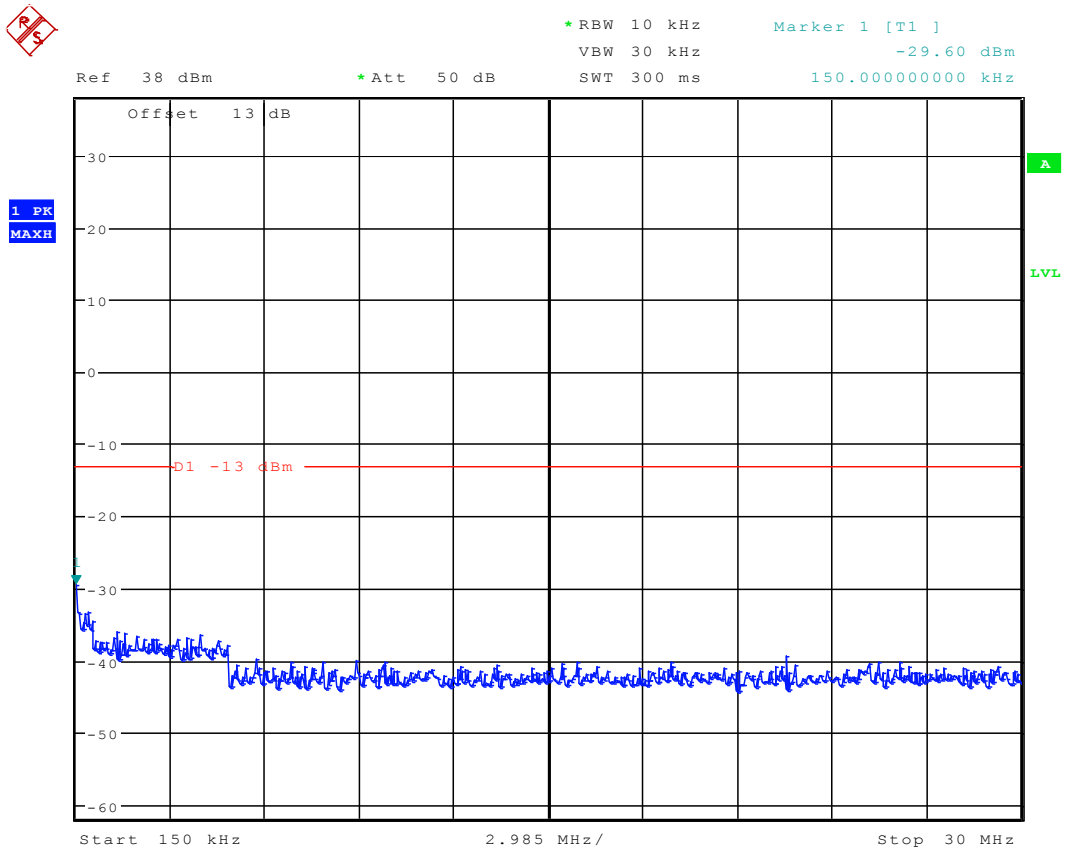


Date: 21.SEP.2007 14:43:48

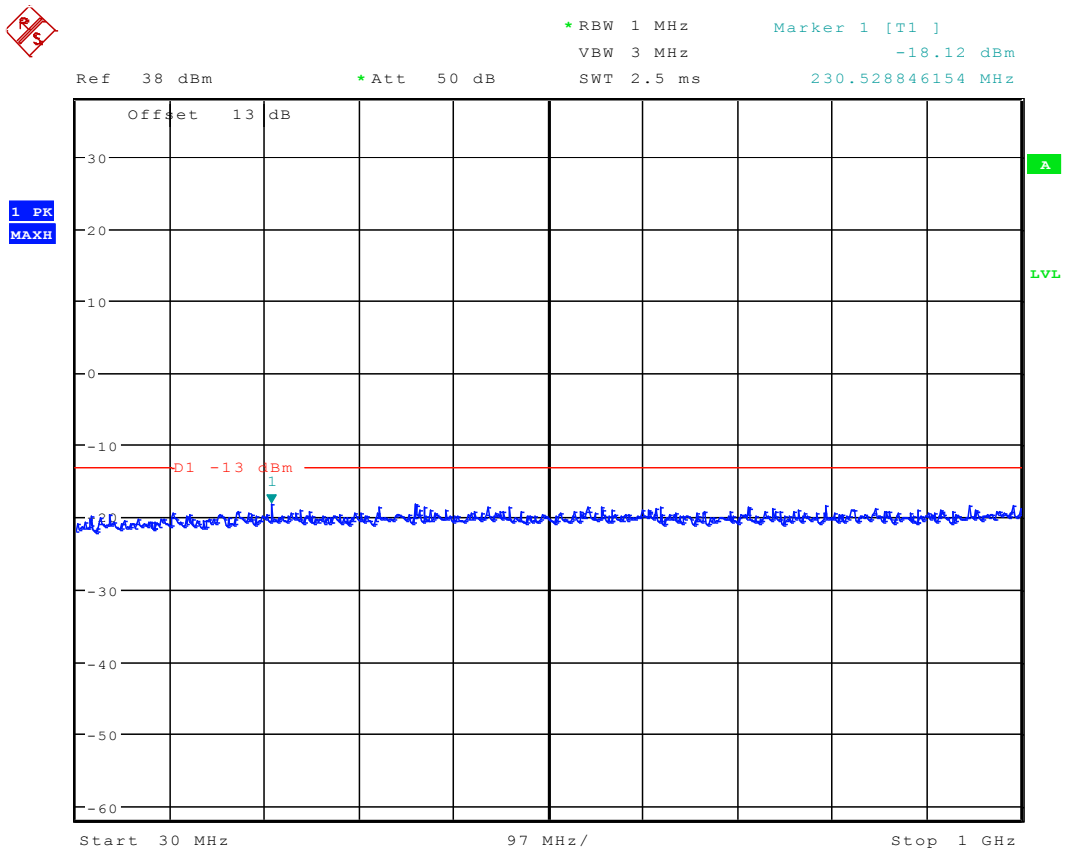
Channel 9400



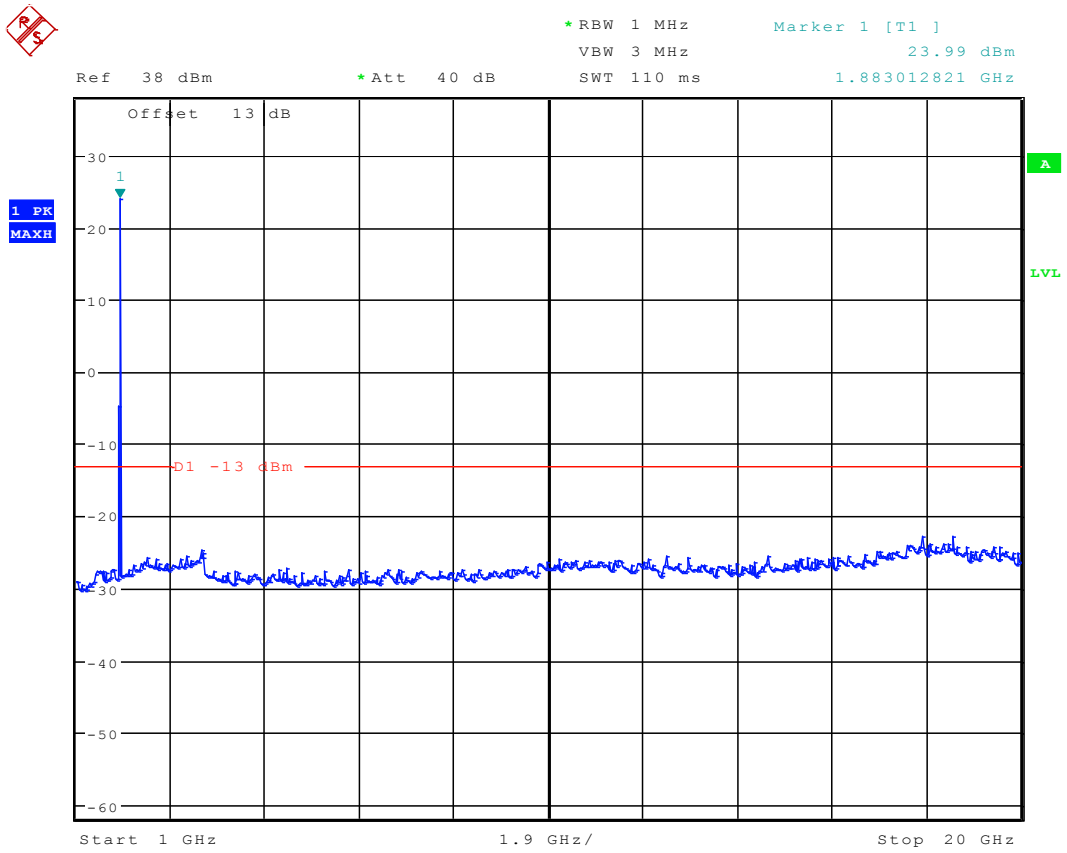
Date: 21.SEP.2007 14:29:48



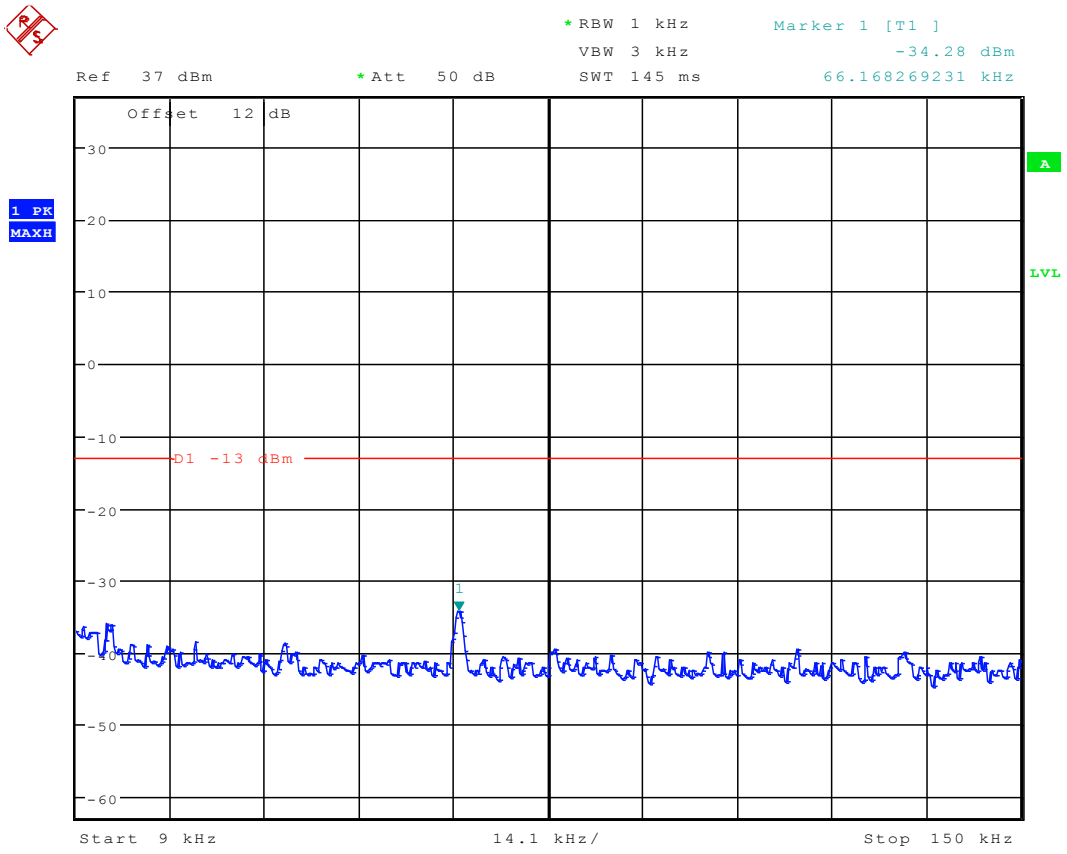
Date: 21.SEP.2007 14:39:45



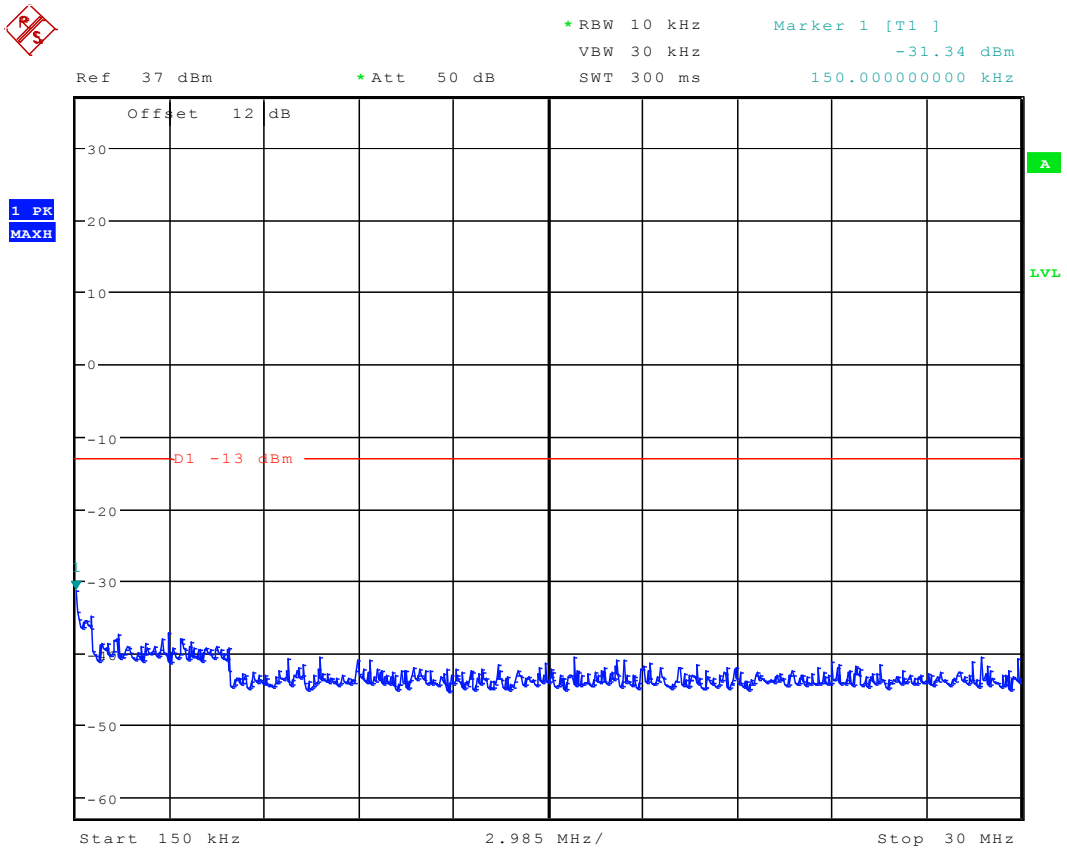
Date: 21.SEP.2007 14:38:11


RBW 1 MHz
VBW 3 MHz
SWT 110 ms
Marker 1 [T1]
23.99 dBm
1.883012821 GHz
Ref 38 dBm
Att 40 dB
Offset 13 dB
1 PK
MAXH
A
LVL
D1 -13 dBm
Start 1 GHz
1.9 GHz/
Stop 20 GHz
Date: 21.SEP.2007 14:43:16

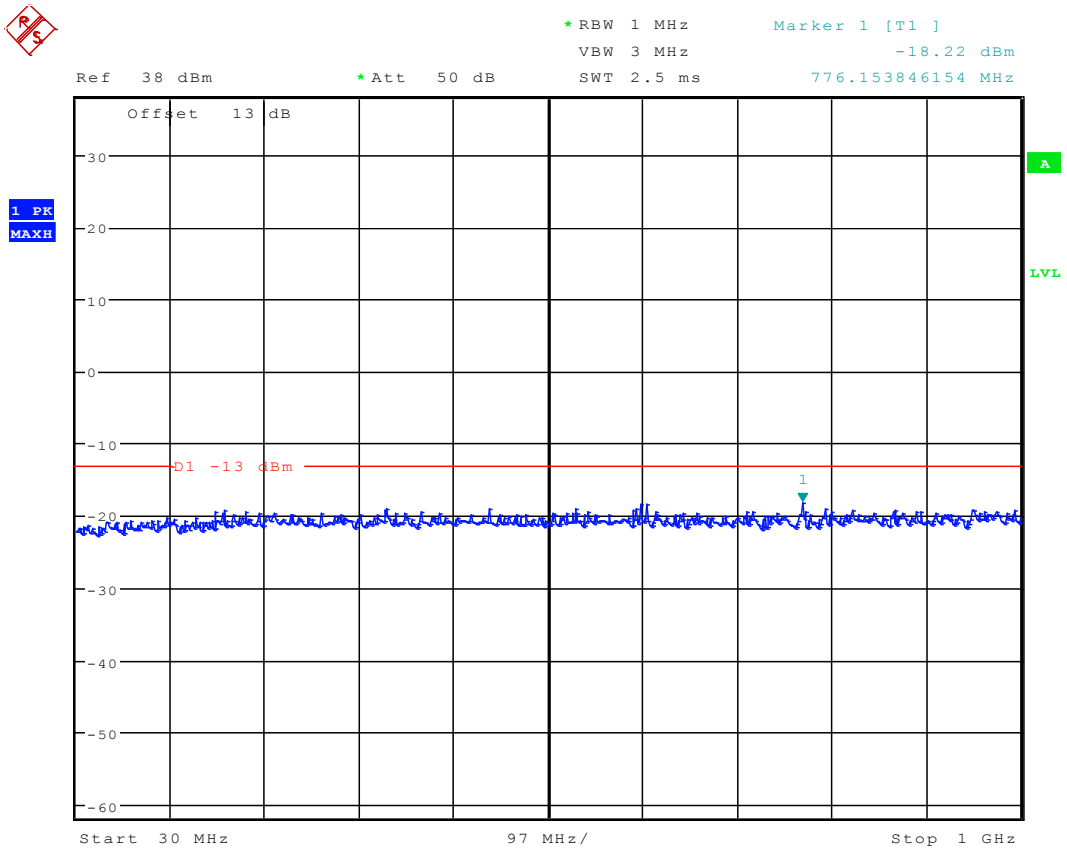
Channel 9538



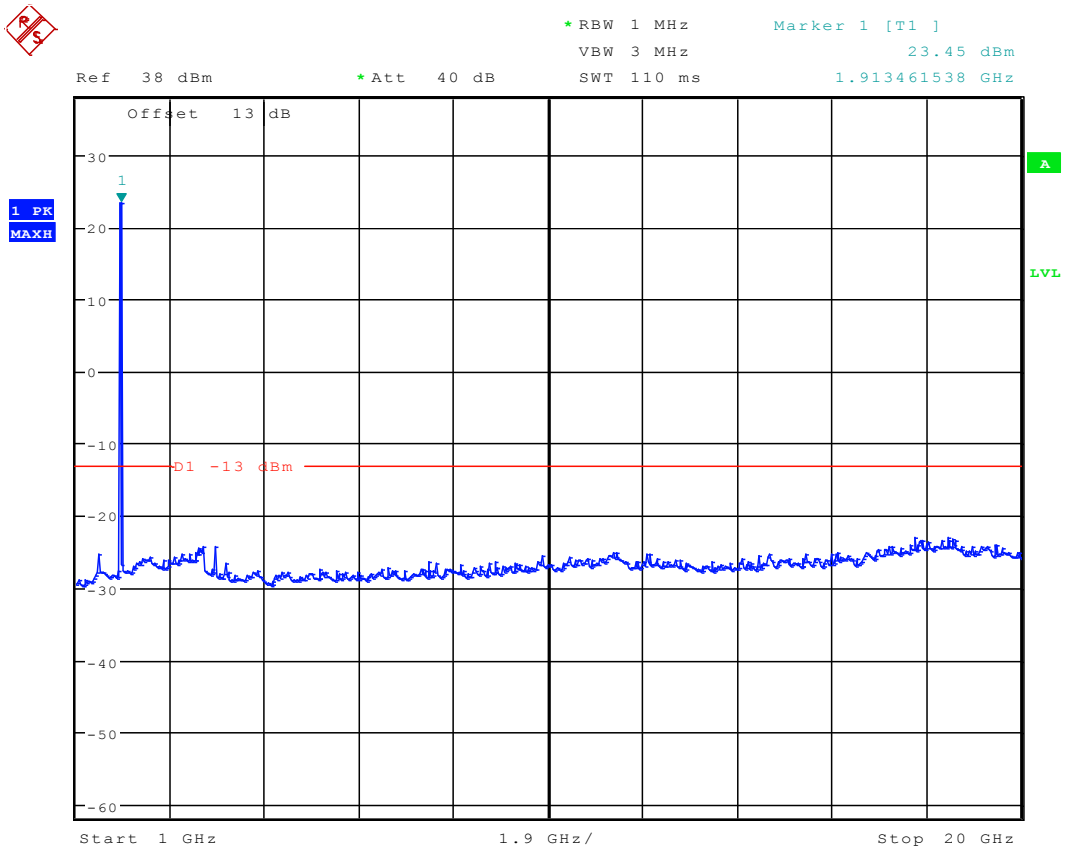
Date: 21.SEP.2007 14:30:26



Date: 21.SEP.2007 14:34:14



Date: 21.SEP.2007 14:38:40



Date: 21.SEP.2007 14:42:55