Appendix C

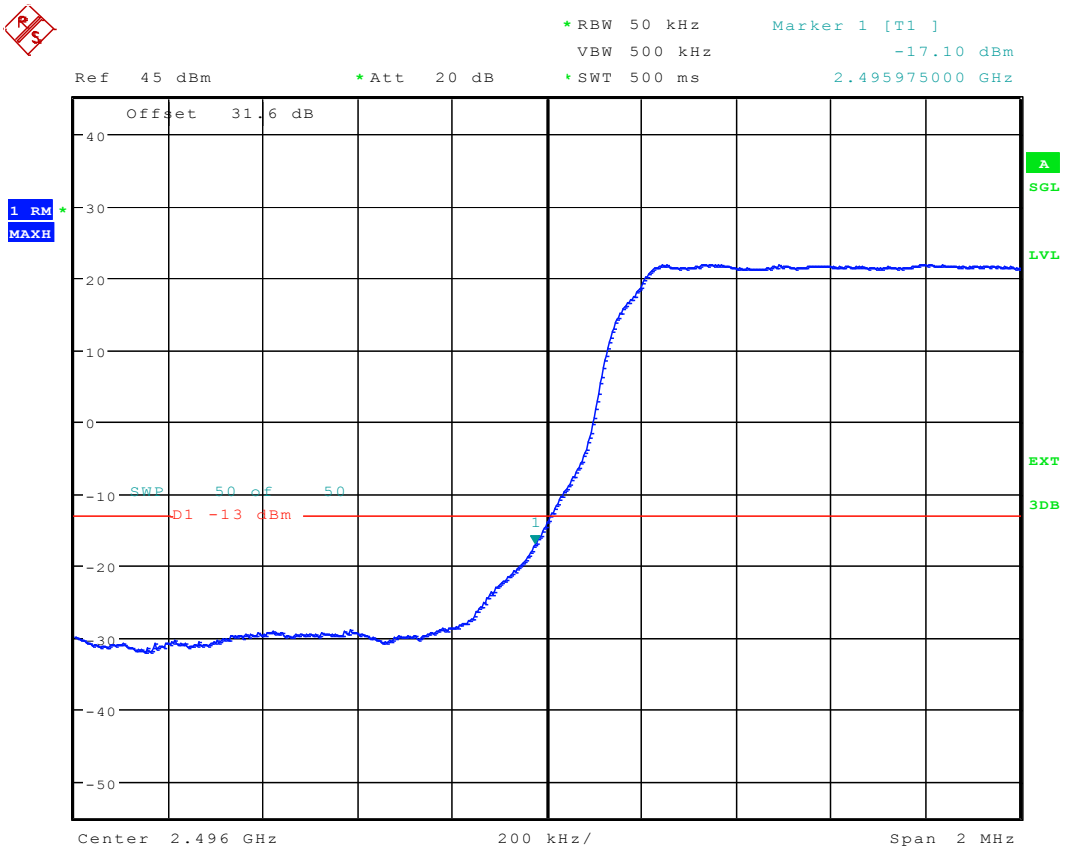
Band Edge Measurement

According to FCC part 2.1051 and part 27.53(l)(2) and part 27.53(l)(6)

(1) Single Carrier, 5MHz WiMAX Channel Bandwidth:

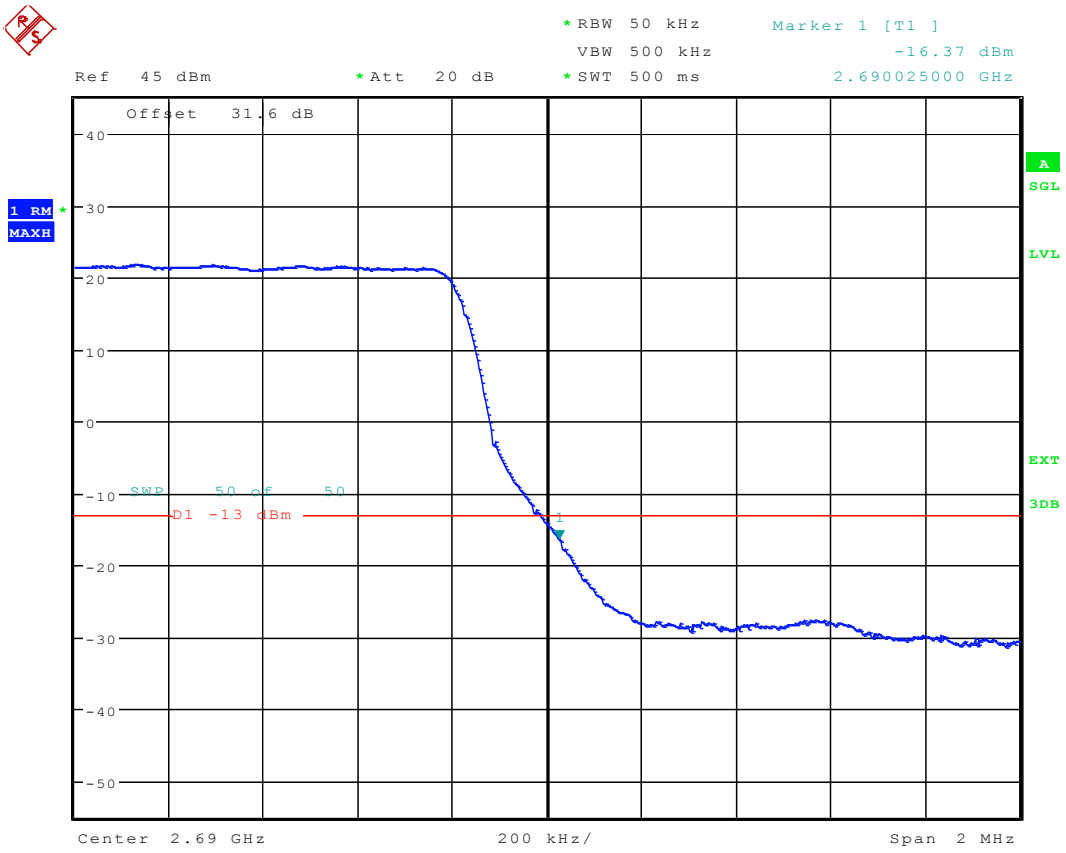
TM1:

Ch.B



Date: 18.FEB.2009 01:11:33

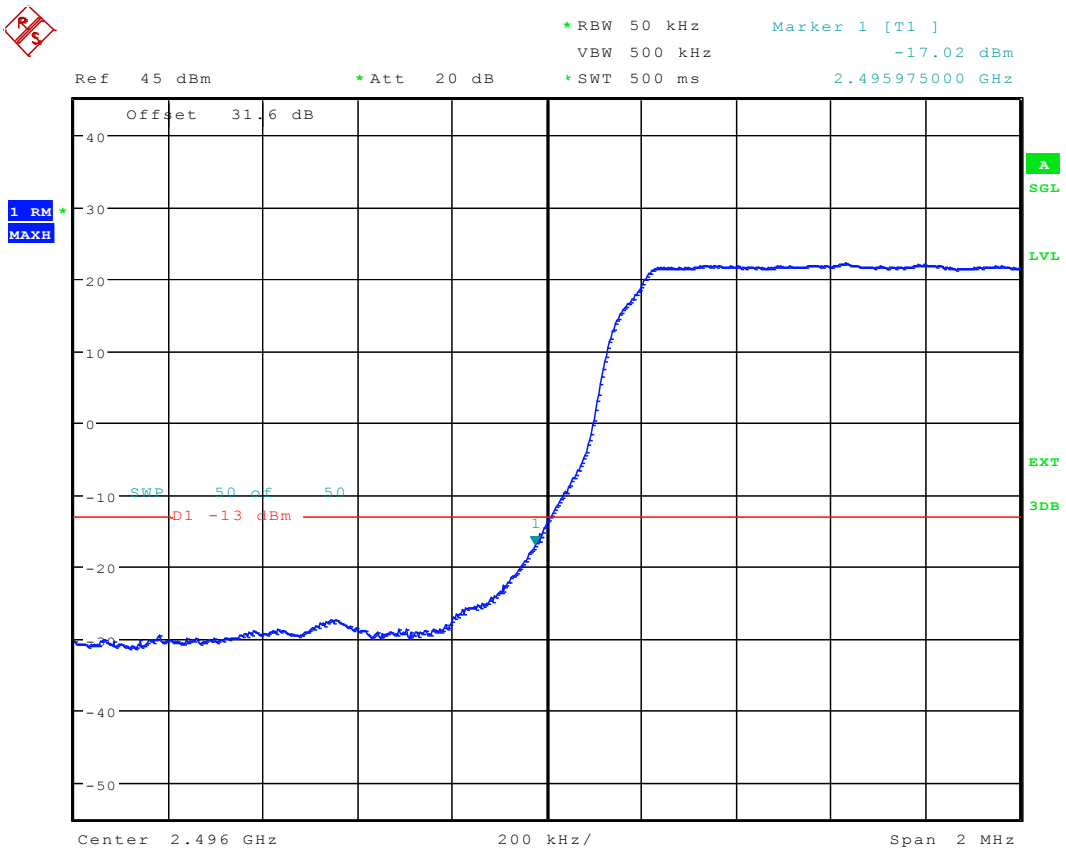
Ch.T



Date: 18.FEB.2009 01:49:22

TM2:

Ch.B



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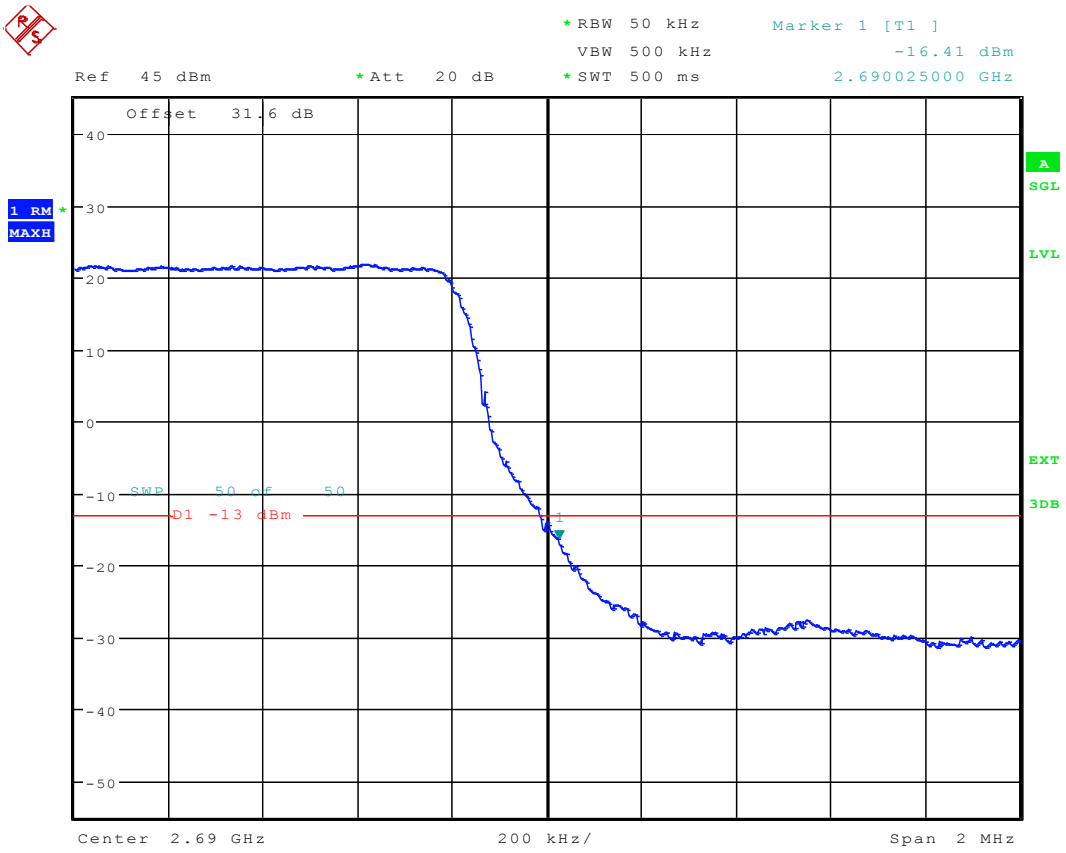

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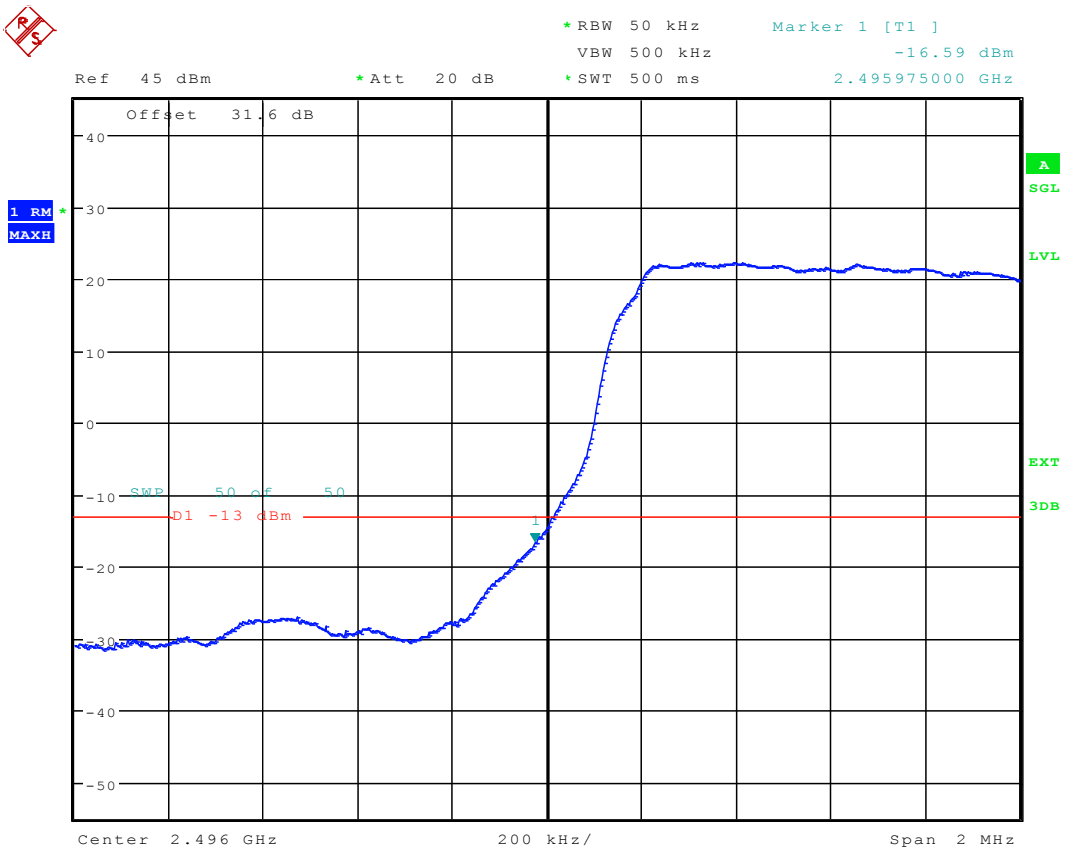
TM3:

Ch.B



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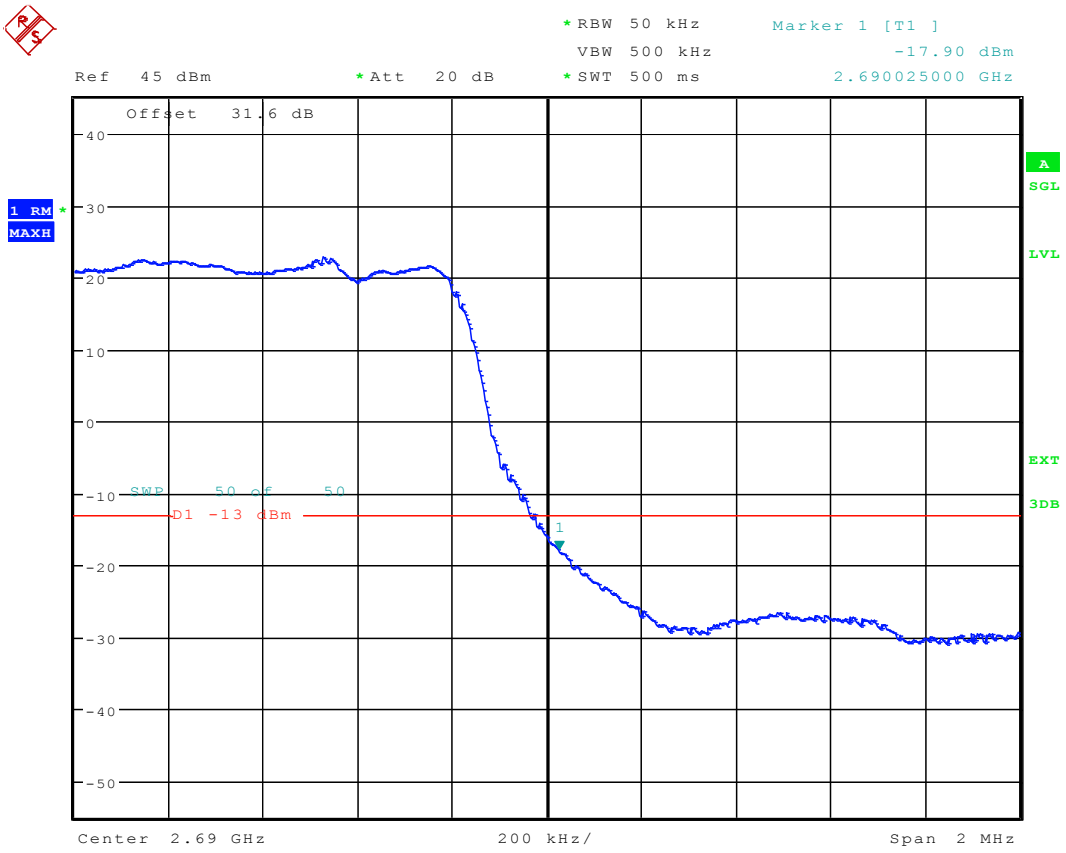
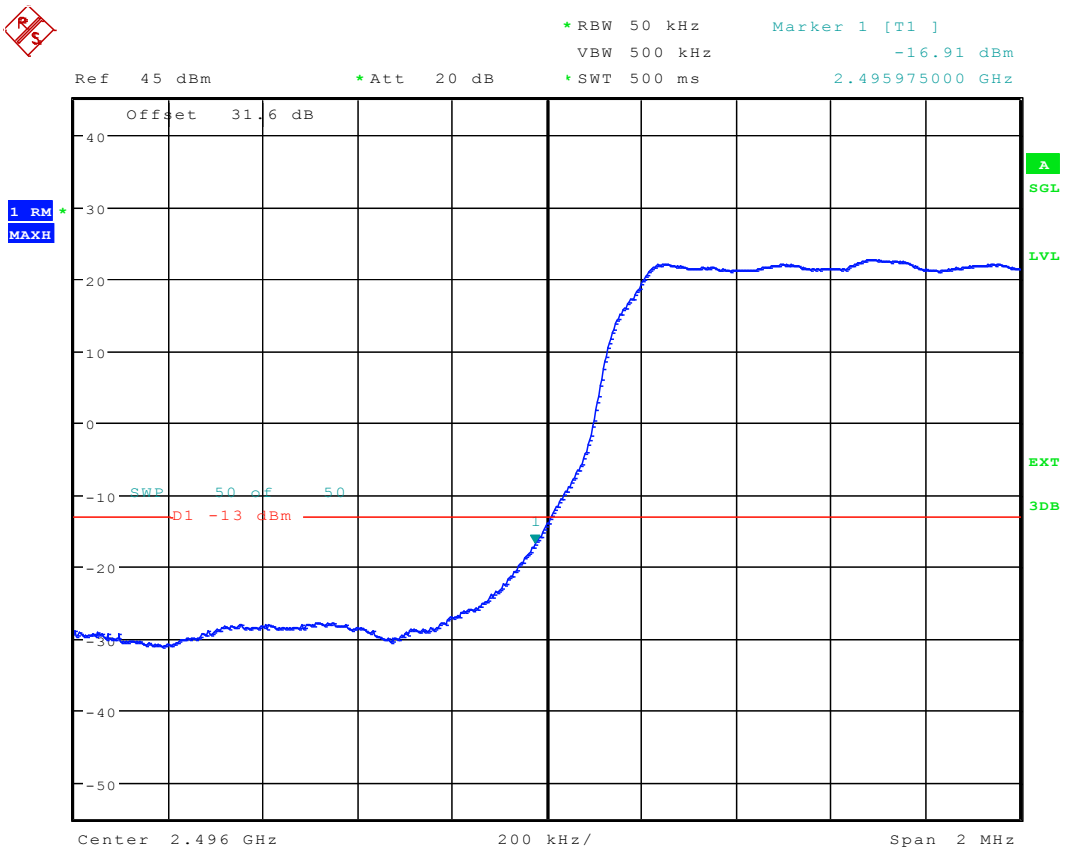


Date: 18.FEB.2009 01:51:36

TM4:

Ch.B



Date: 18.FEB.2009 01:09:49

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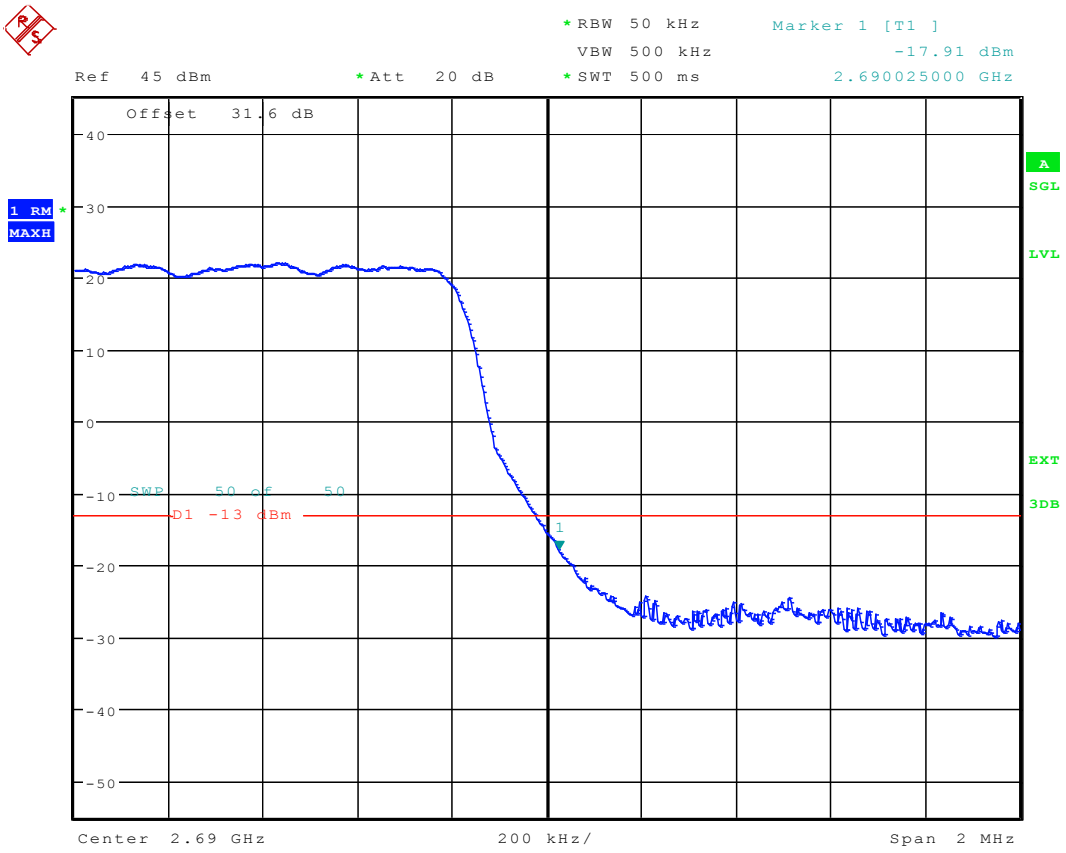
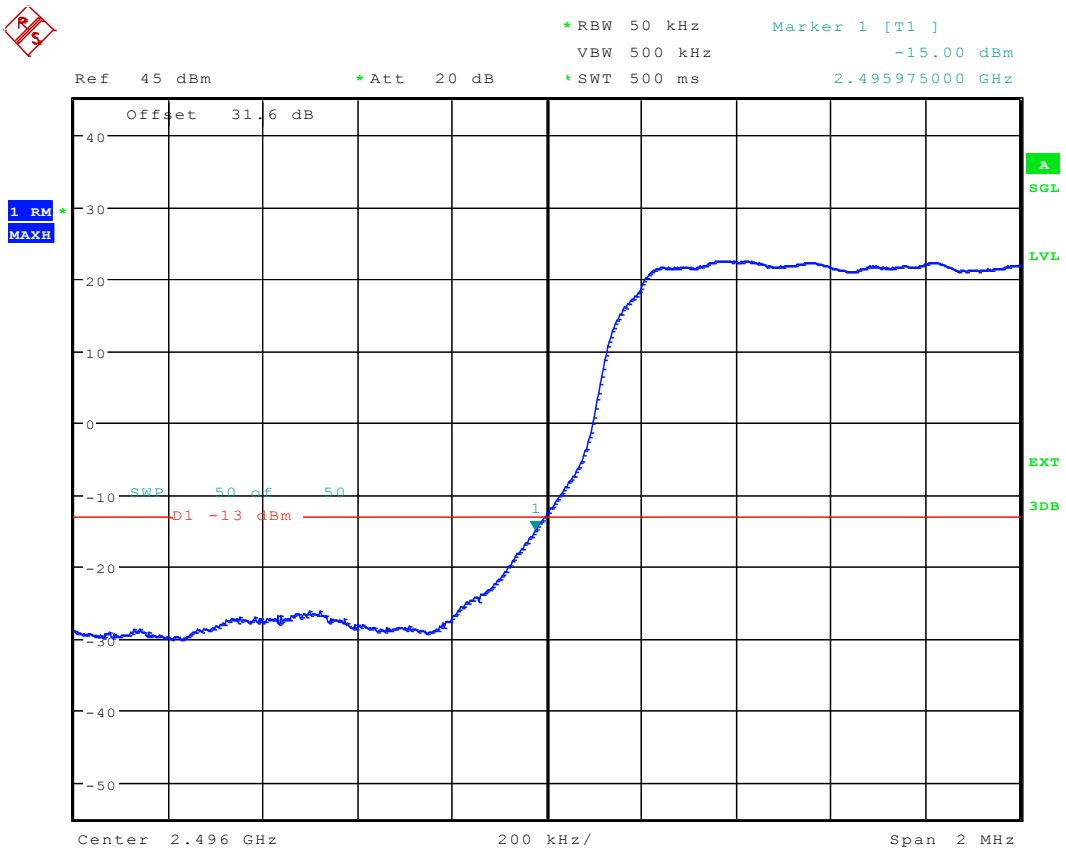


Date: 18.FEB.2009 01:53:11

TM5:

Ch.B



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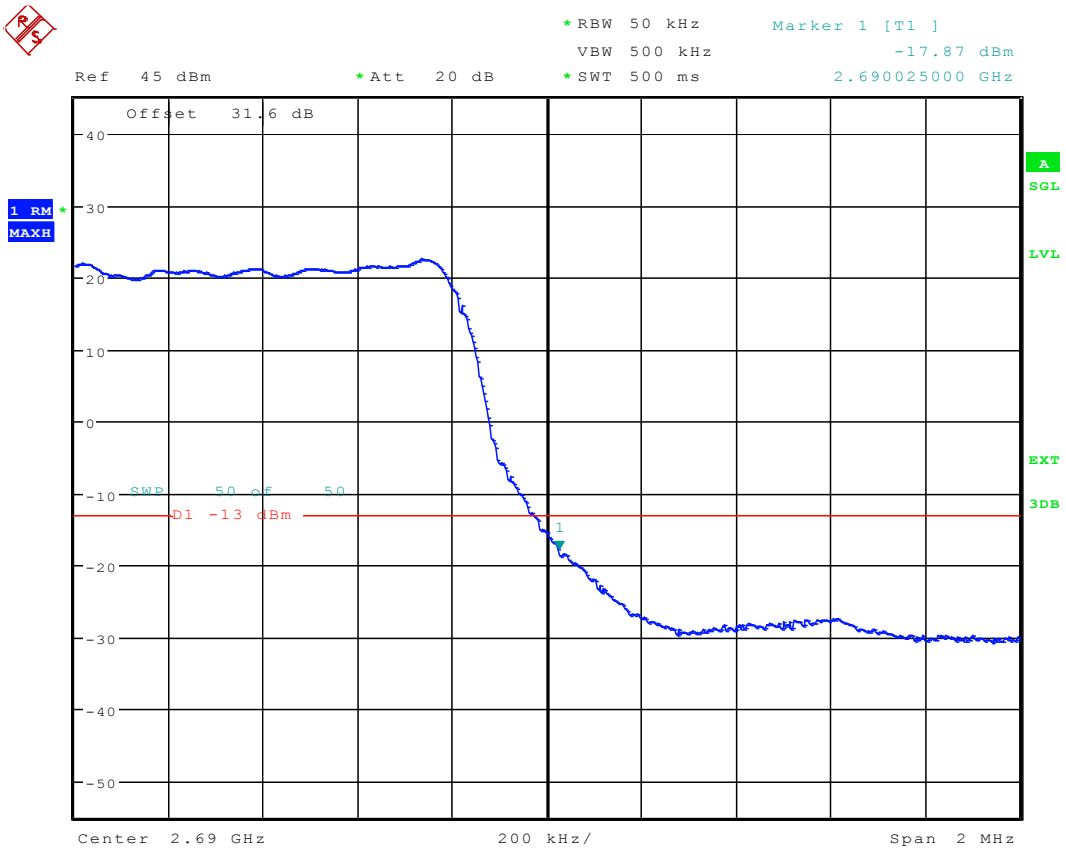
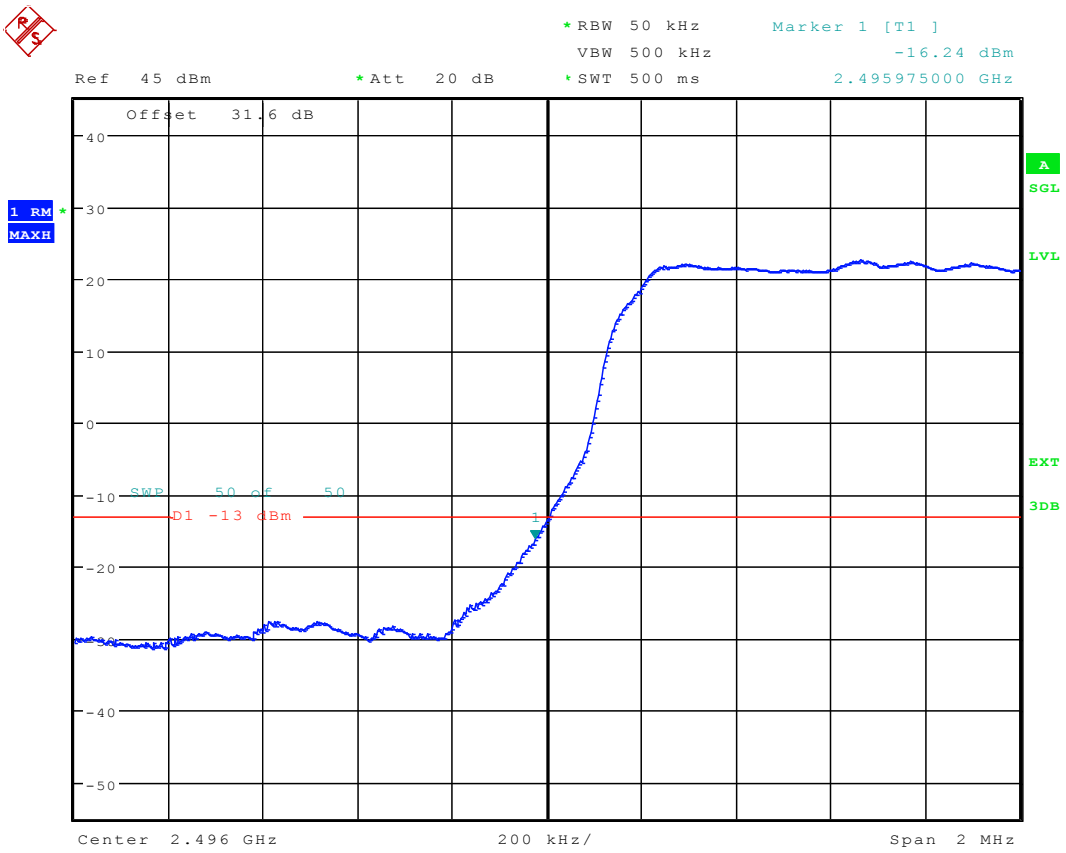


Date: 18.FEB.2009 01:53:59

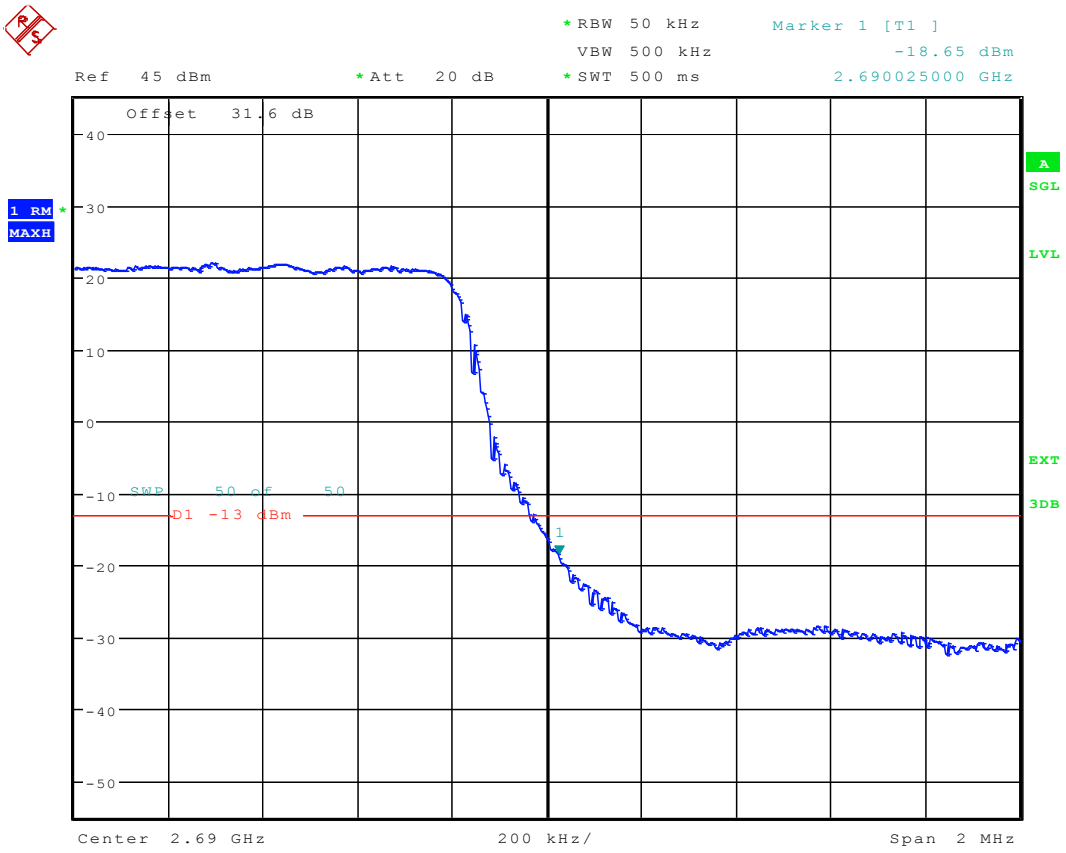
TM6:

Ch.B



Date: 18.FEB.2009 01:07:59

Ch.T



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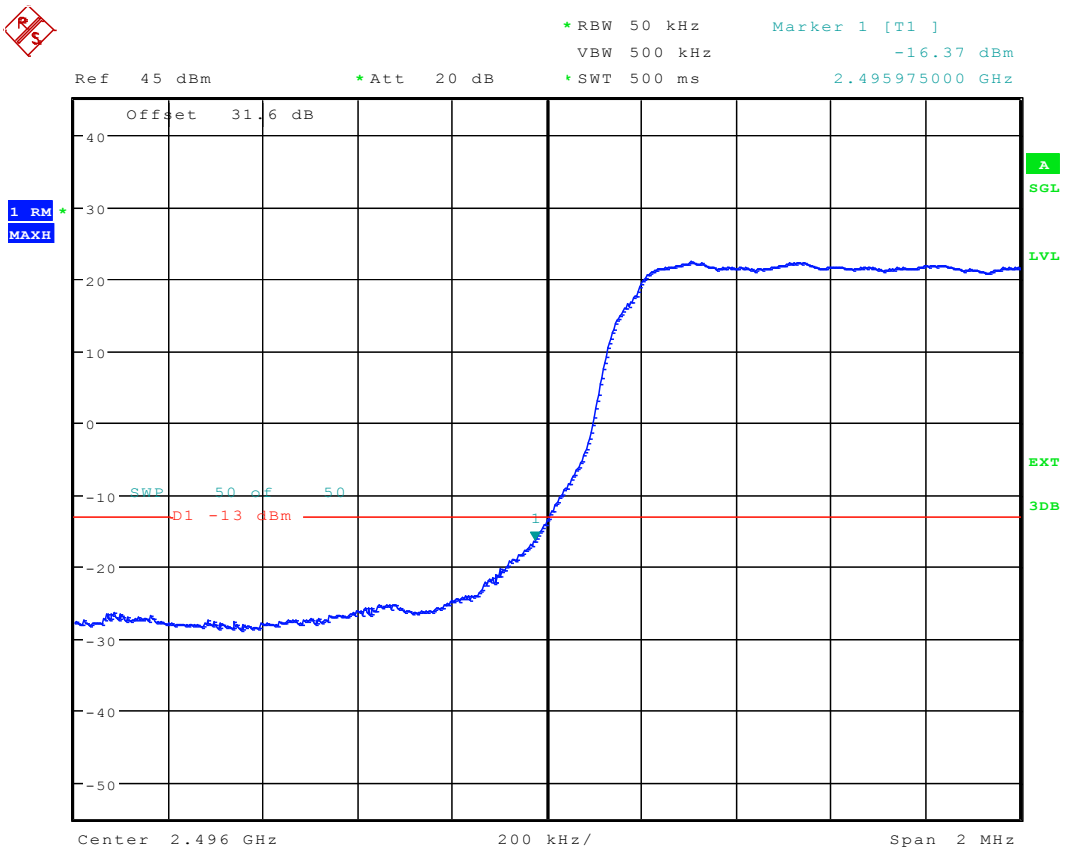
TM7:

Ch.B



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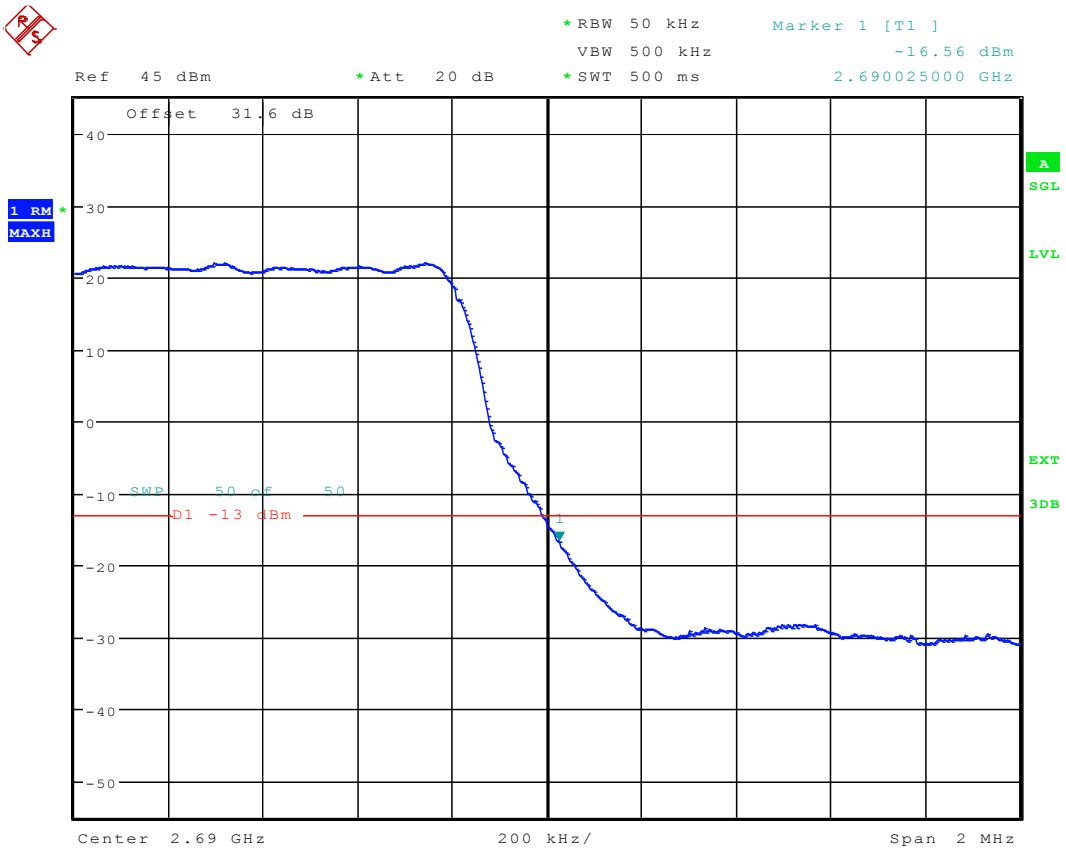
Ch.T



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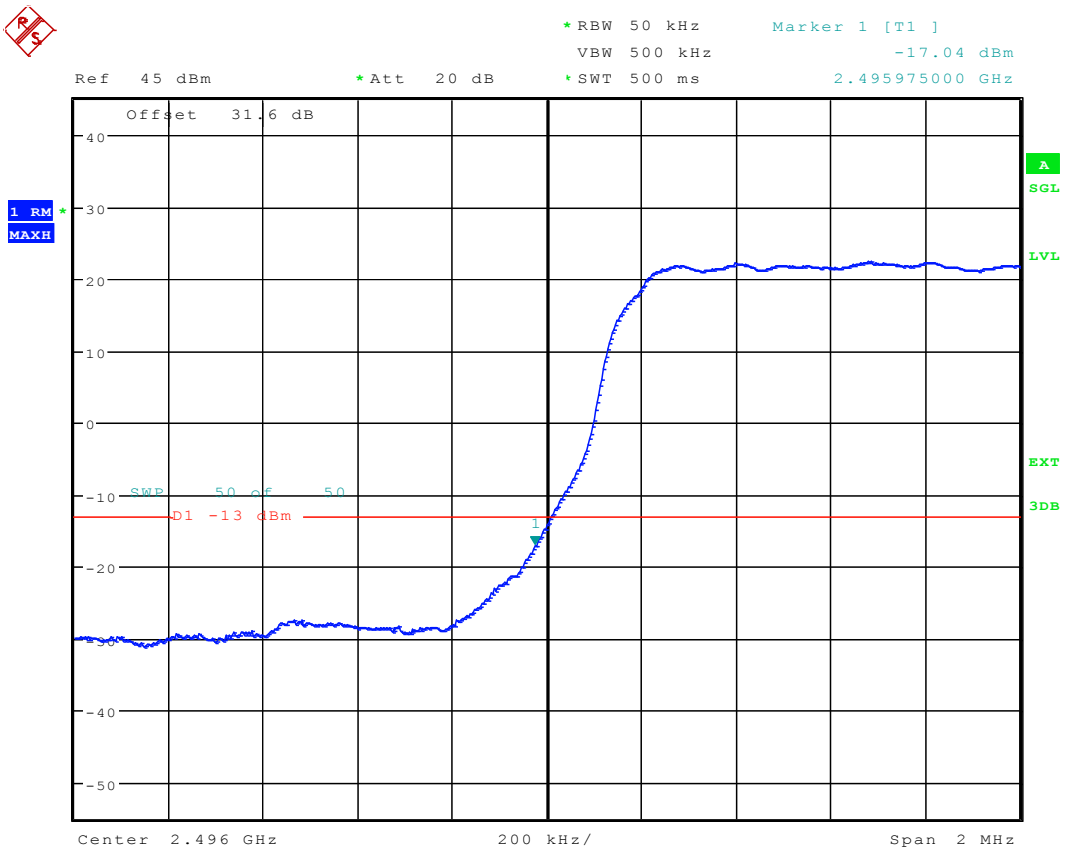
TM8:

Ch.B



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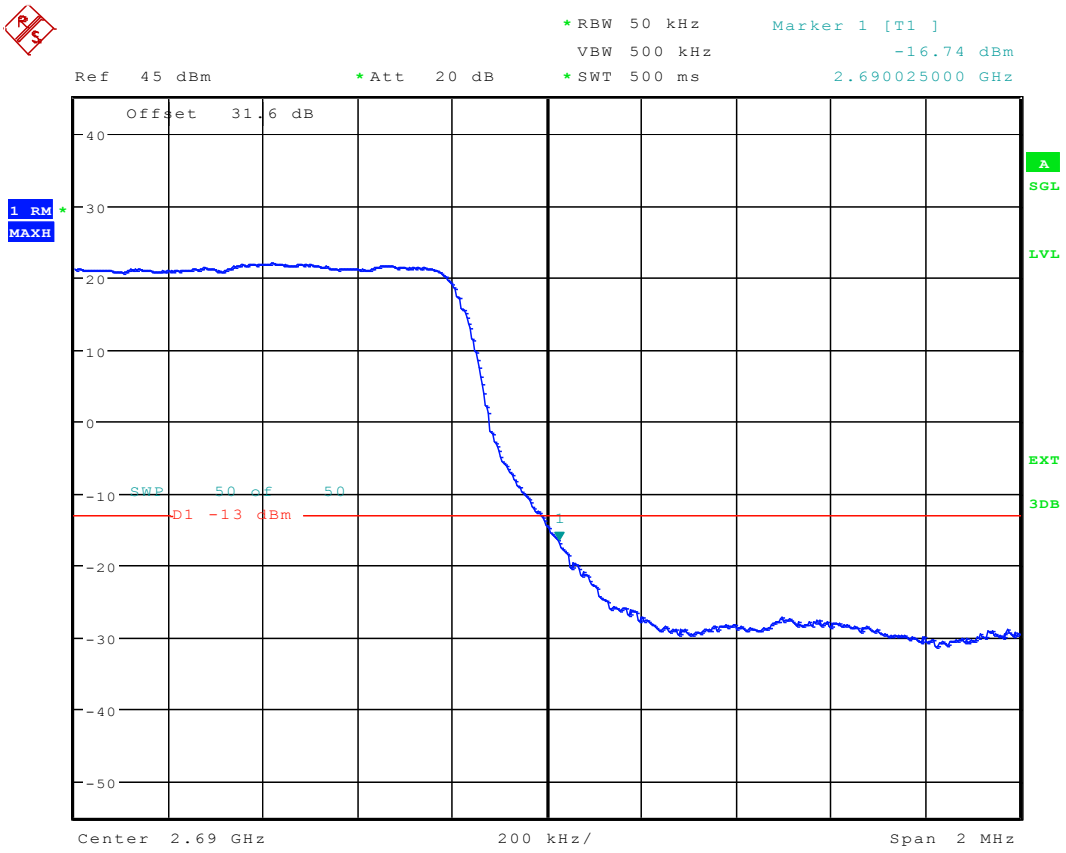

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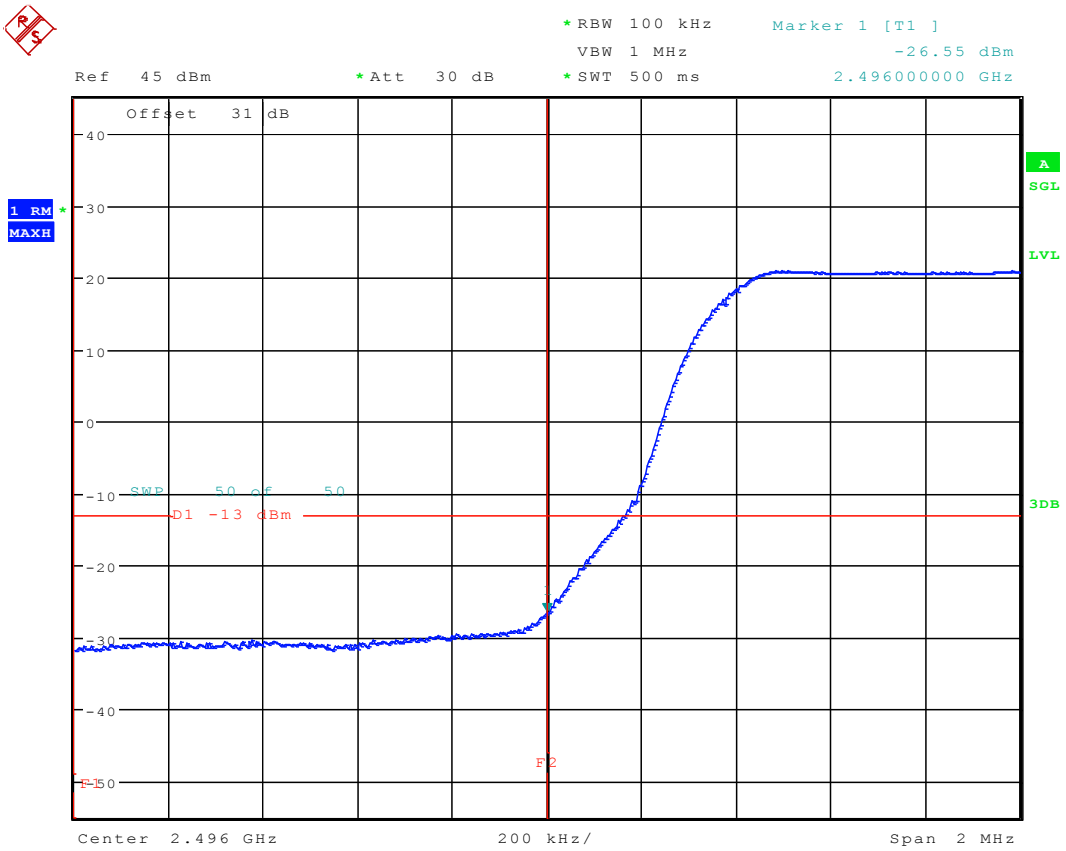
(2) Single Carrier, 10MHz WiMAX Channel Bandwidth:

TM1:

Ch.B



Date: 9.JAN.2009 08:17:35

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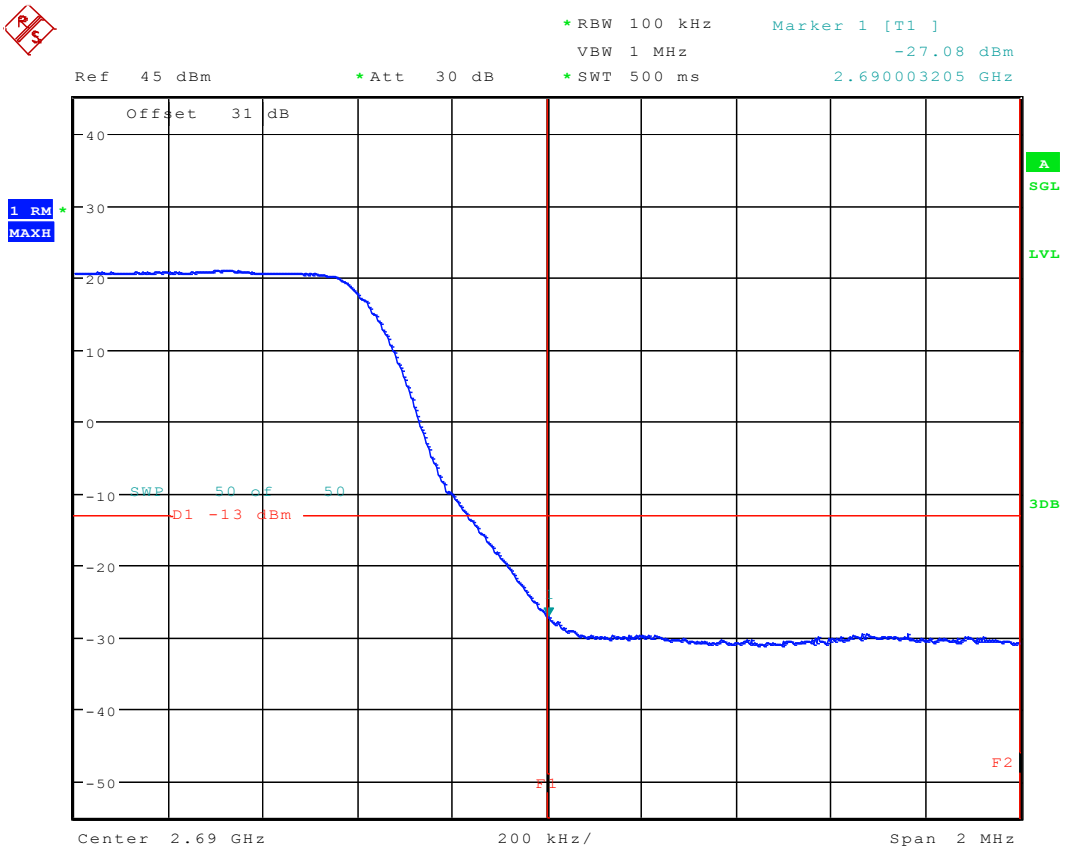
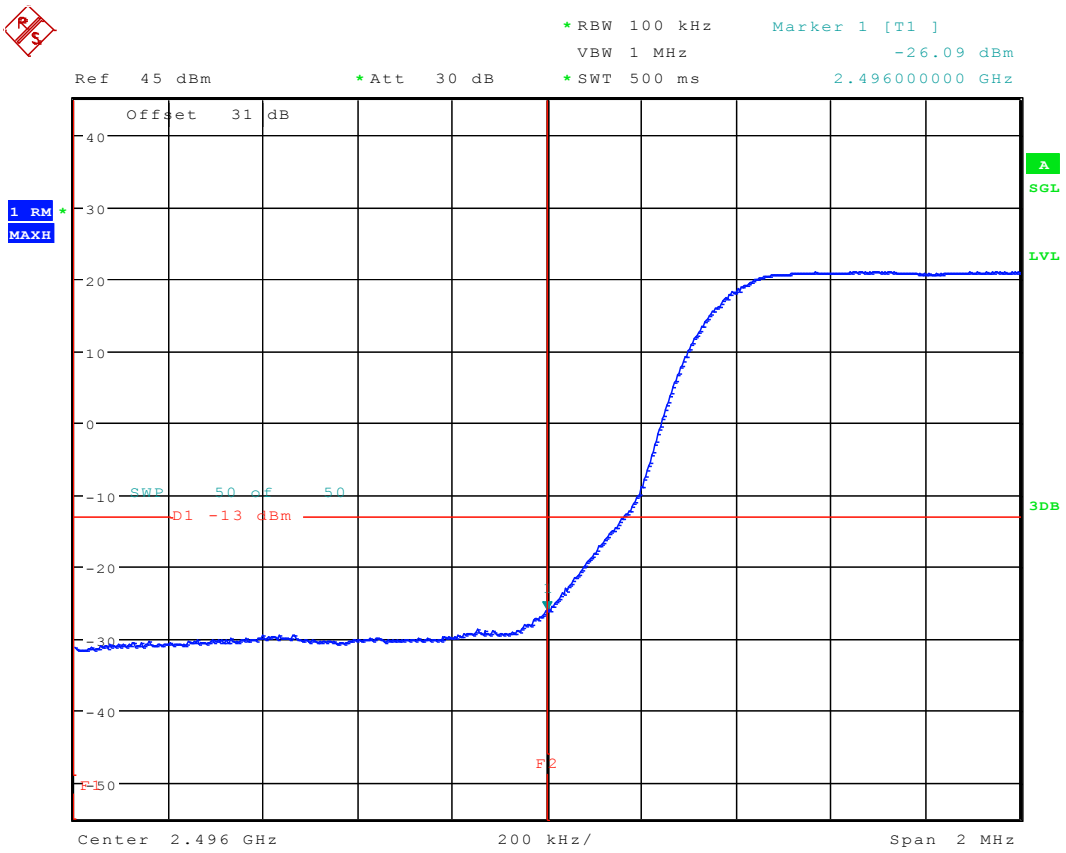


Date: 9.JAN.2009 11:15:13

TM2:

Ch.B



Date: 9.JAN.2009 08:36:40

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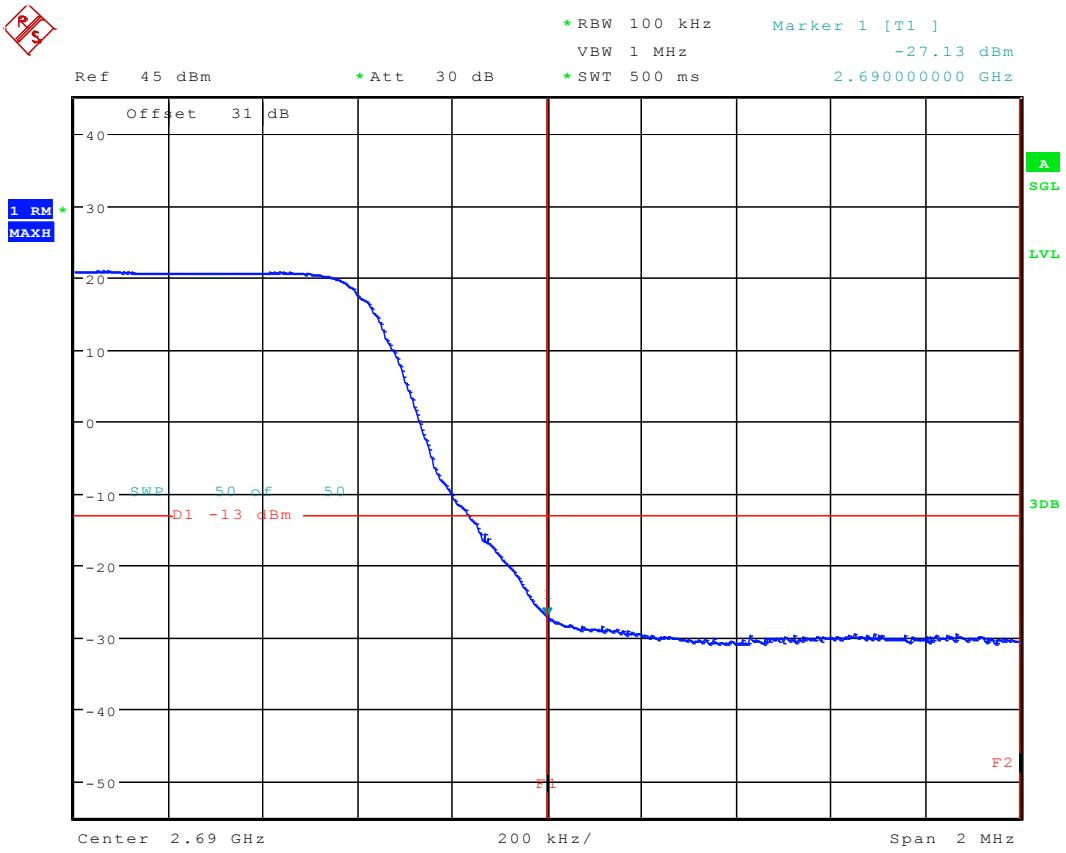
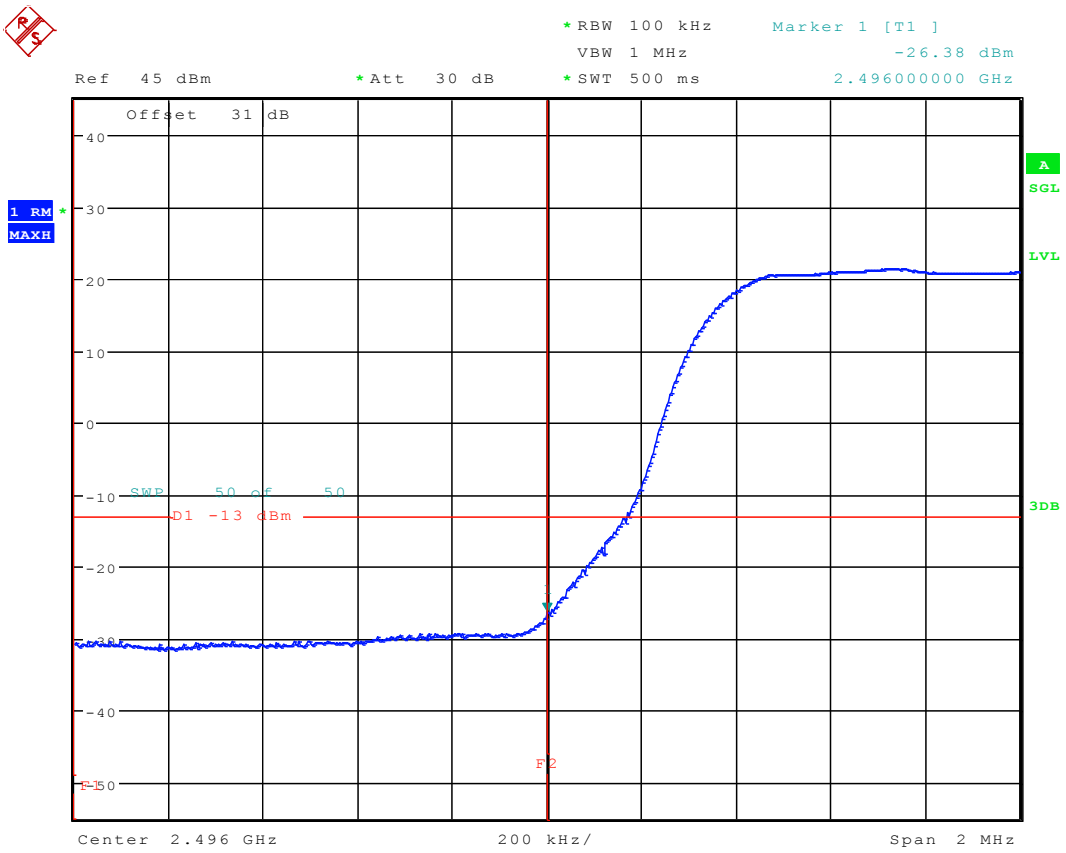


Date: 9.JAN.2009 11:12:07

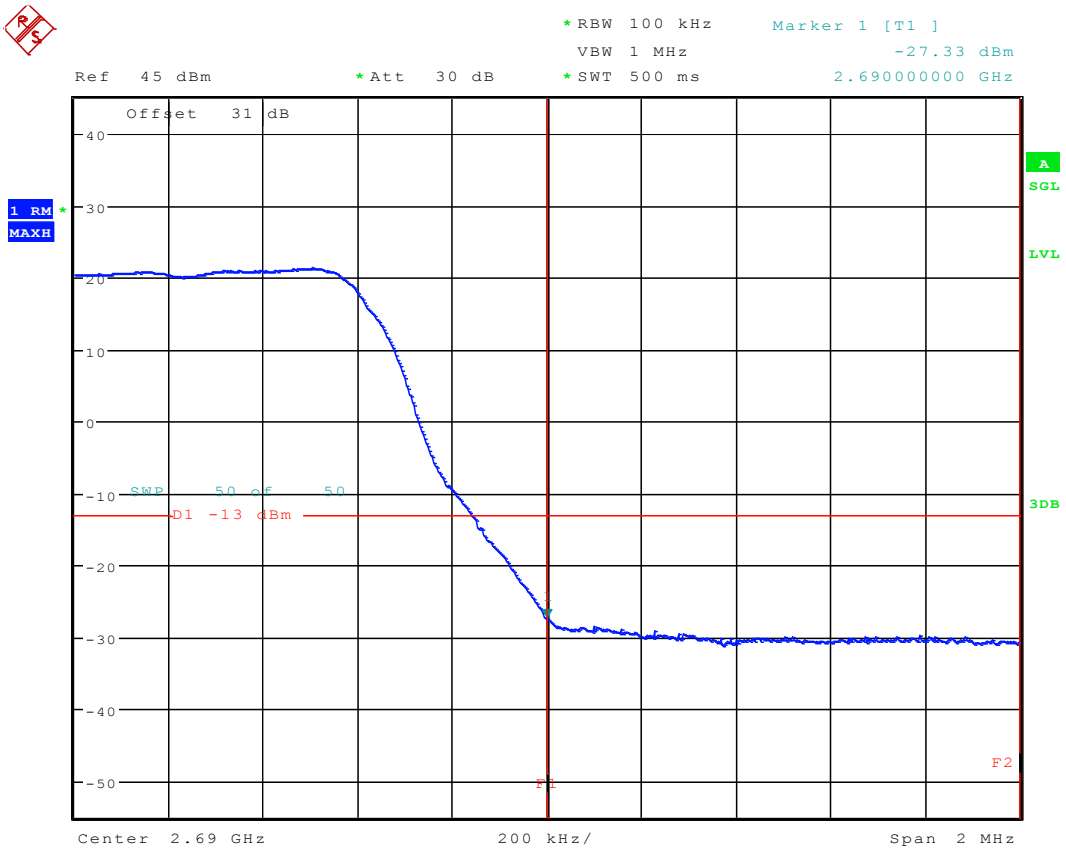
TM3:

Ch.B



Date: 9.JAN.2009 08:40:13

Ch.T



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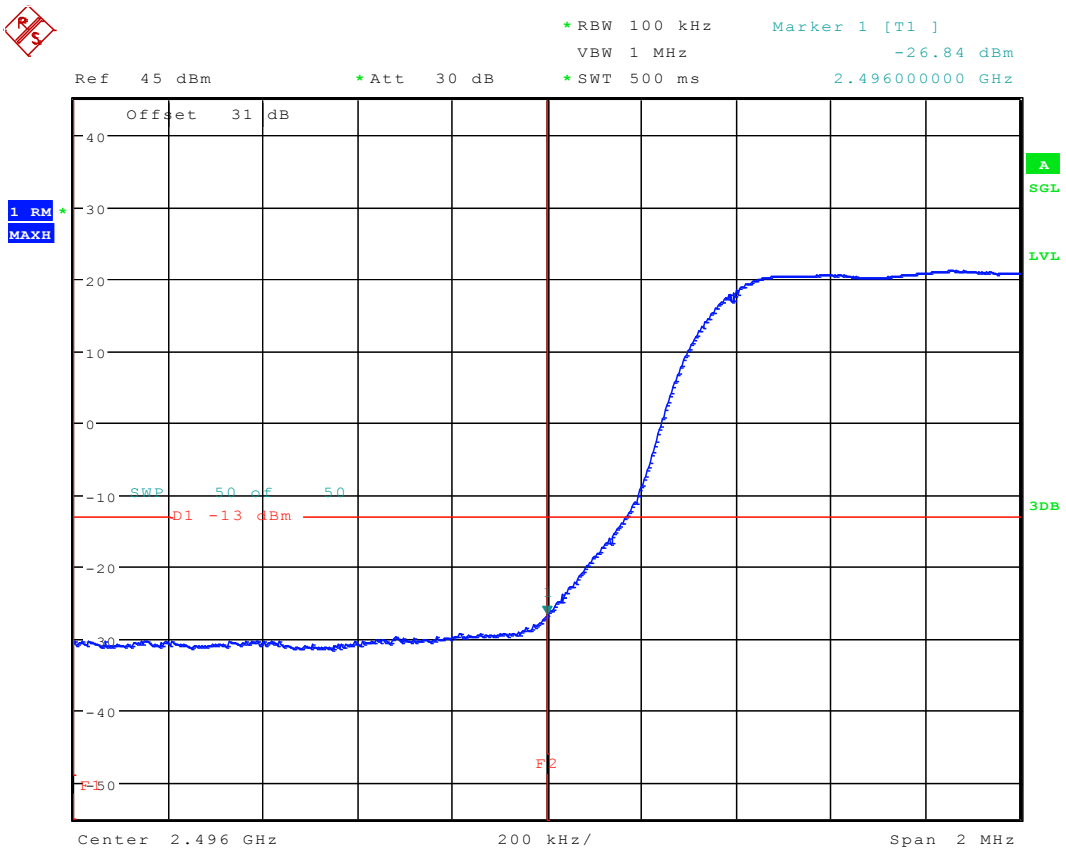
TM4:

Ch.B



Date: 9.JAN.2009 08:42:56

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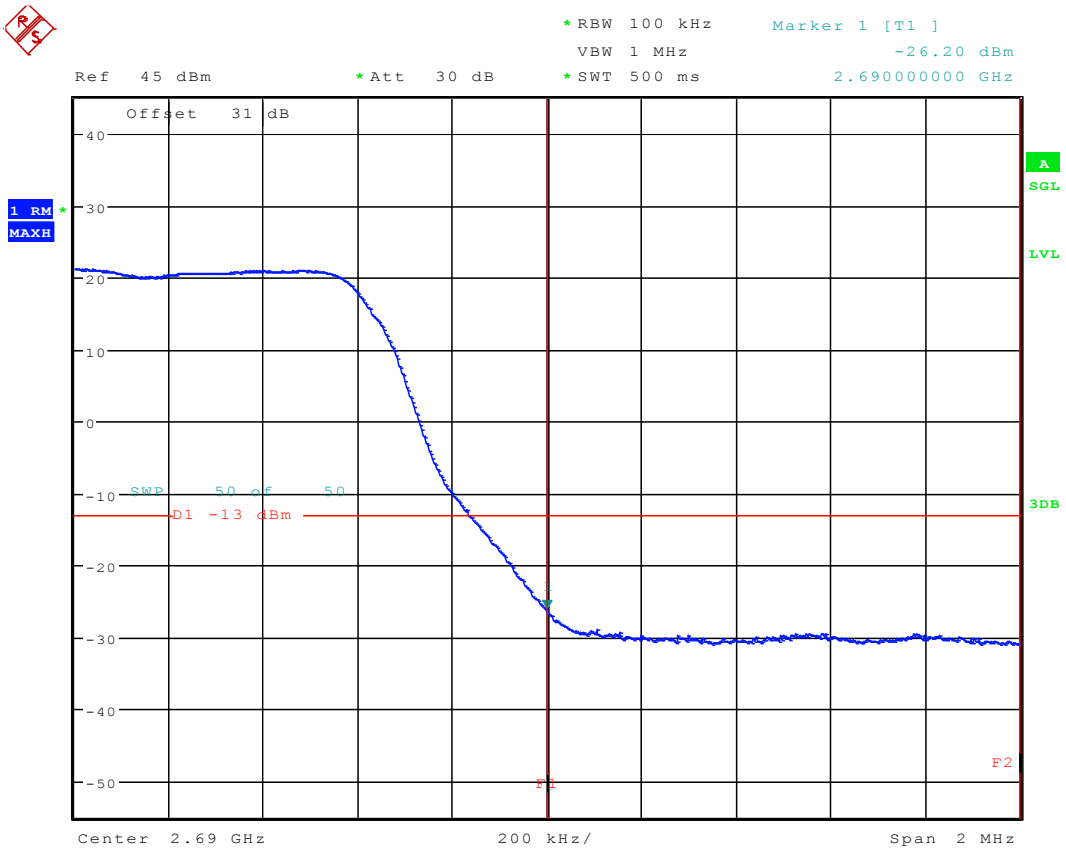

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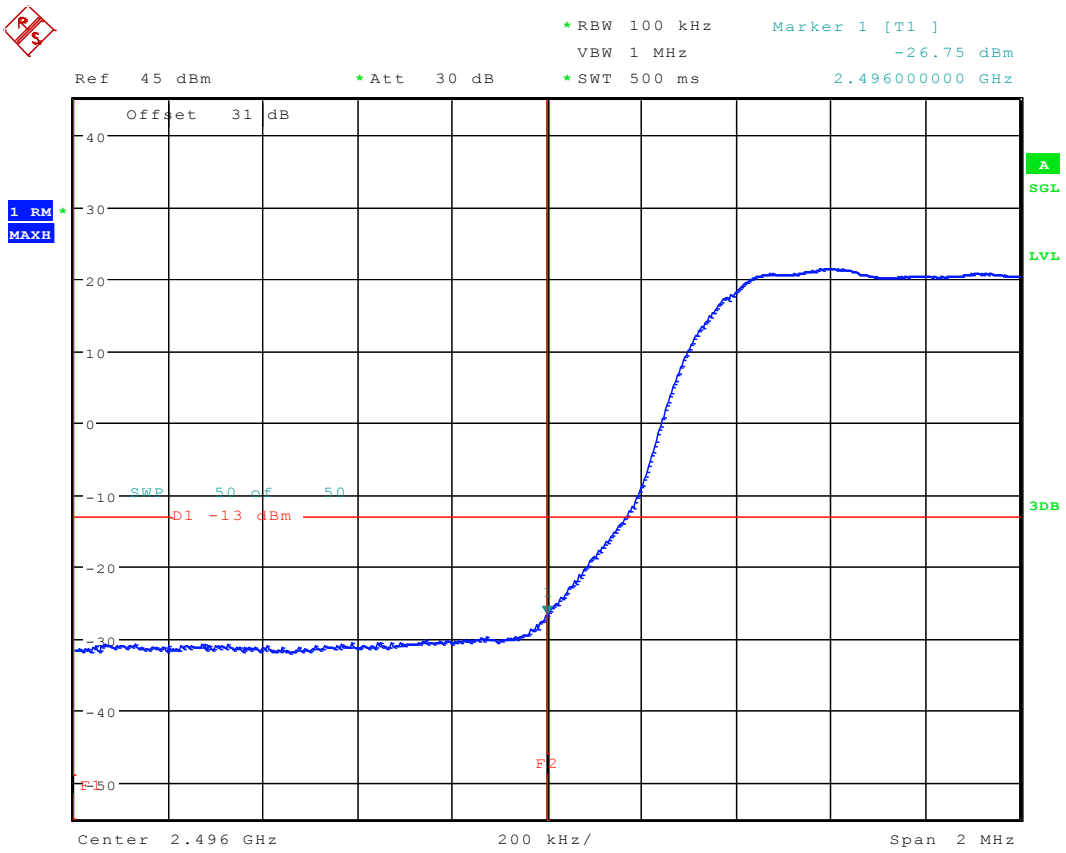
TM5:

Ch.B



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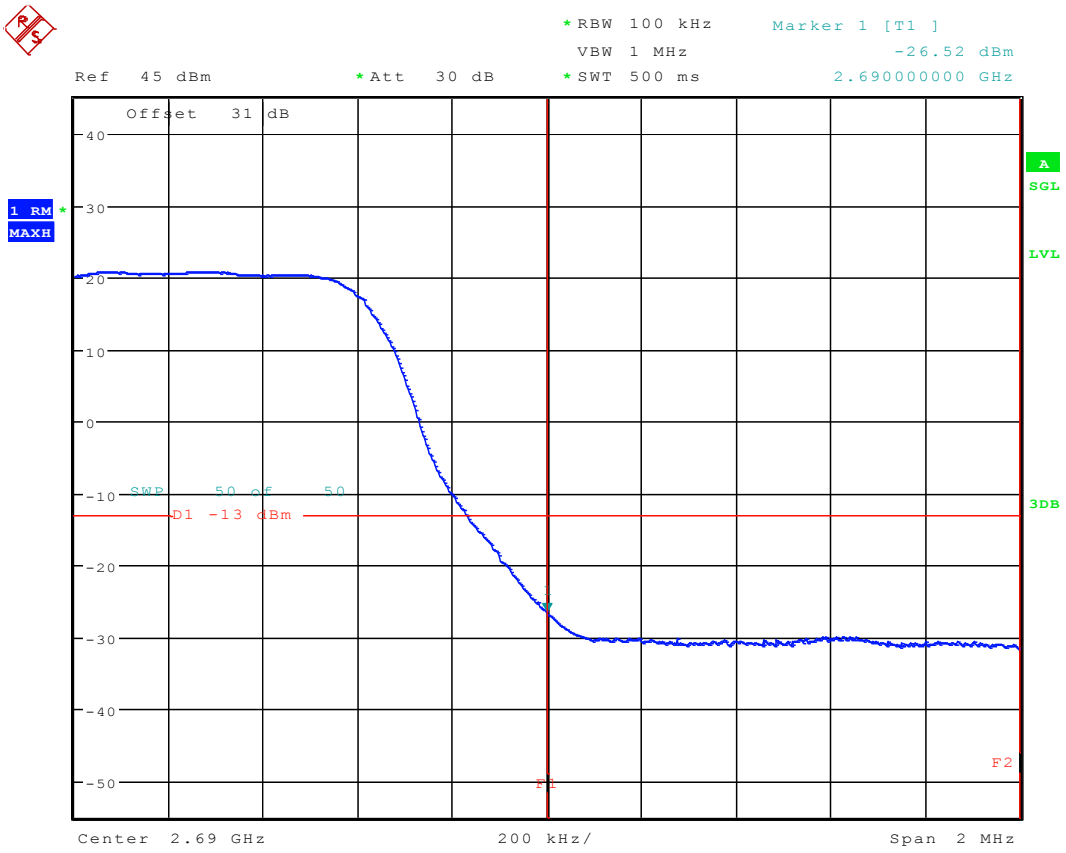
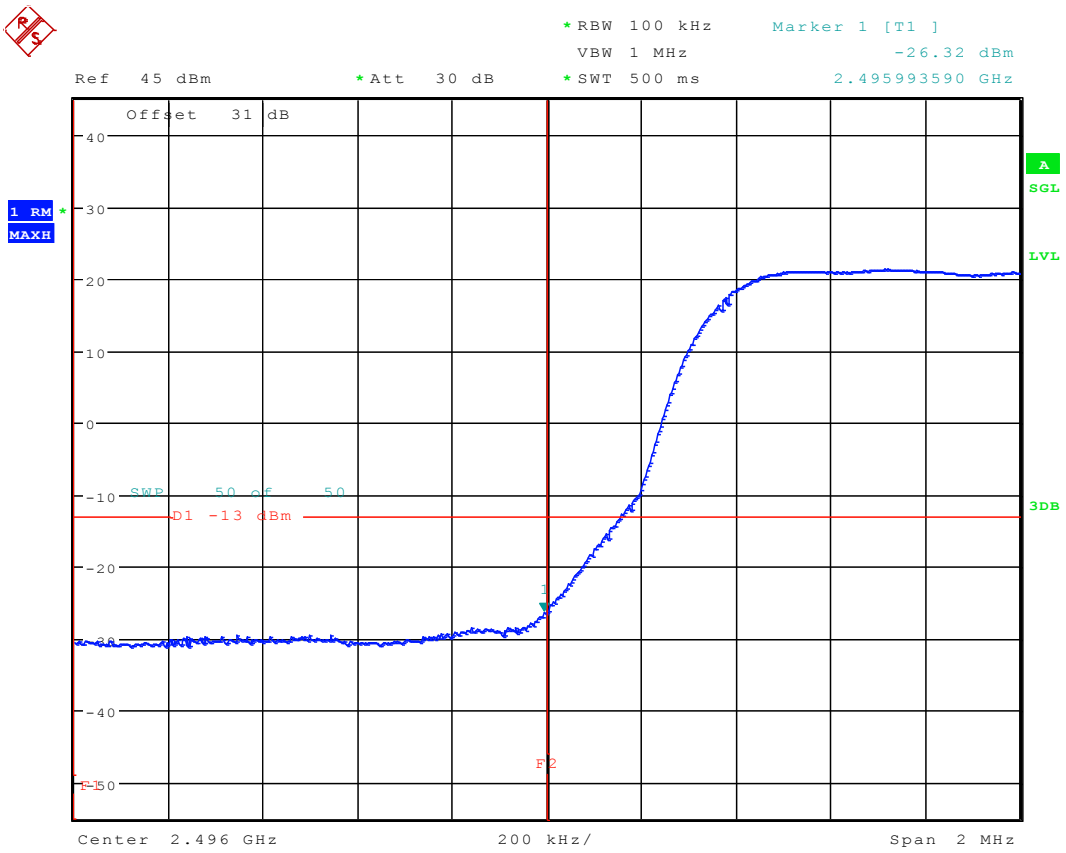


Date: 9.JAN.2009 10:20:38

TM6:

Ch.B



Date: 9.JAN.2009 08:48:37

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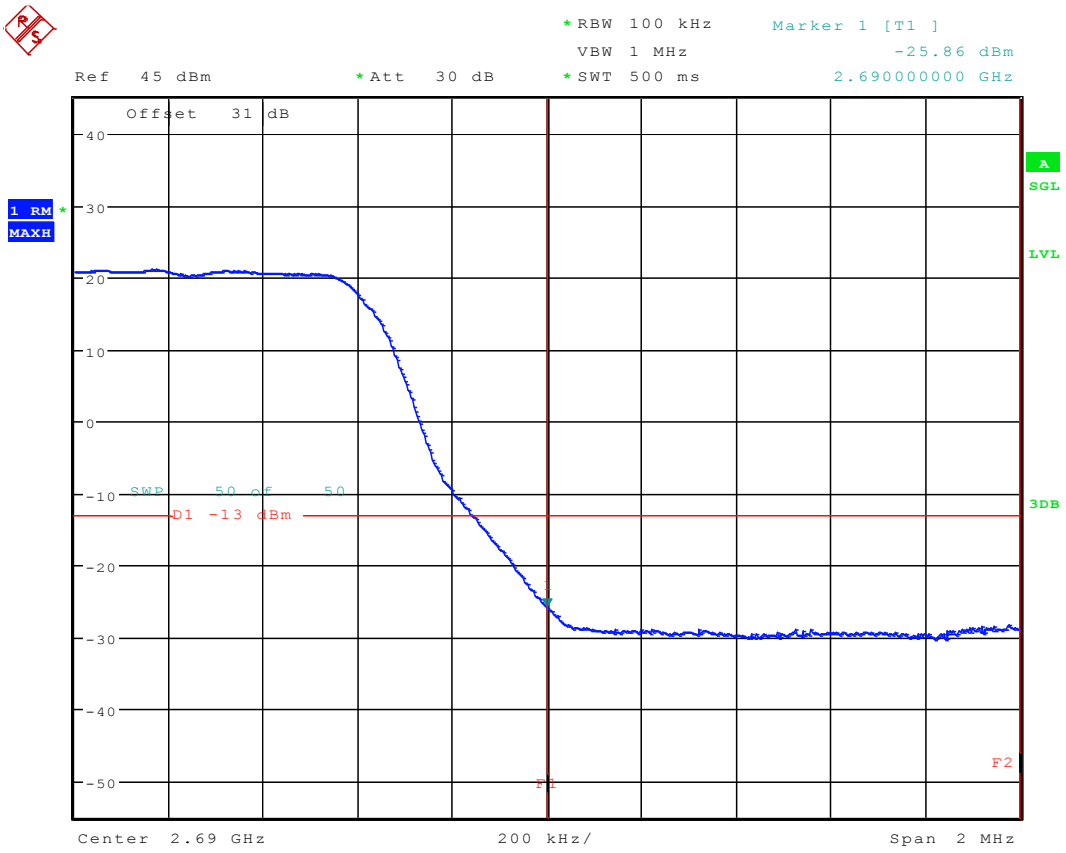

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TM7:

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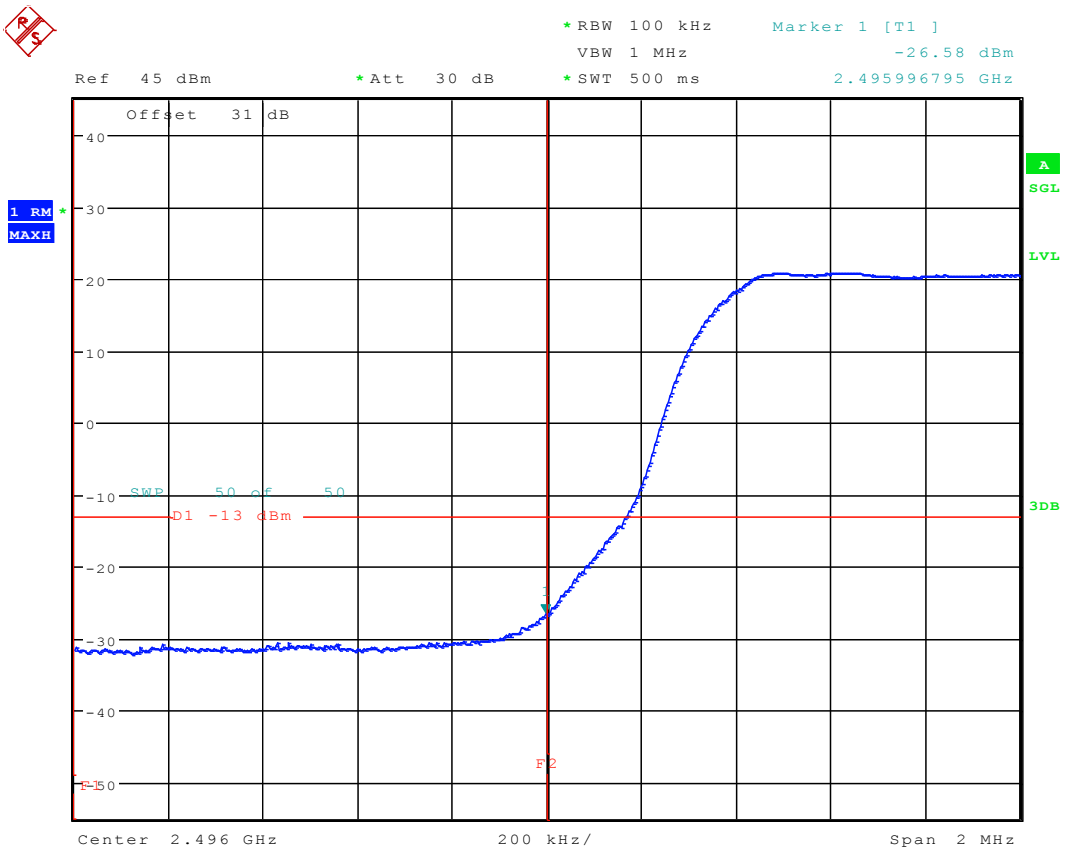

Date: 9.JAN.2009 08:51:18

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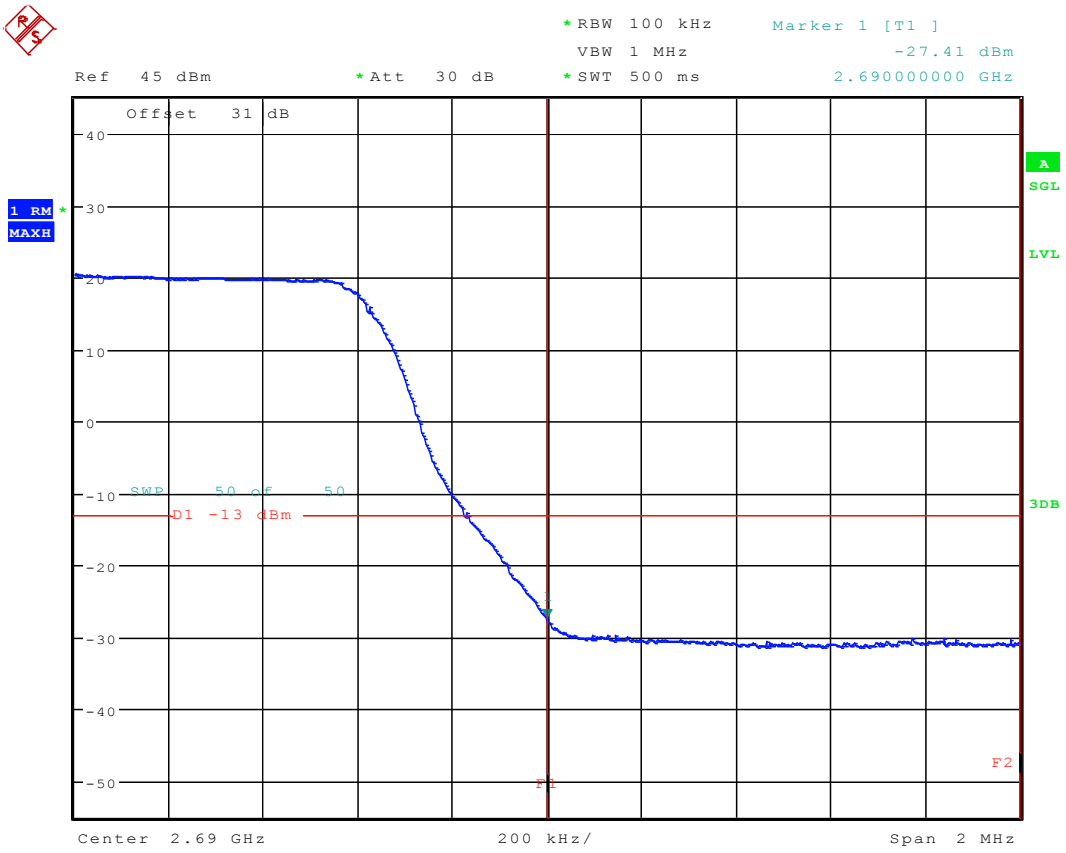

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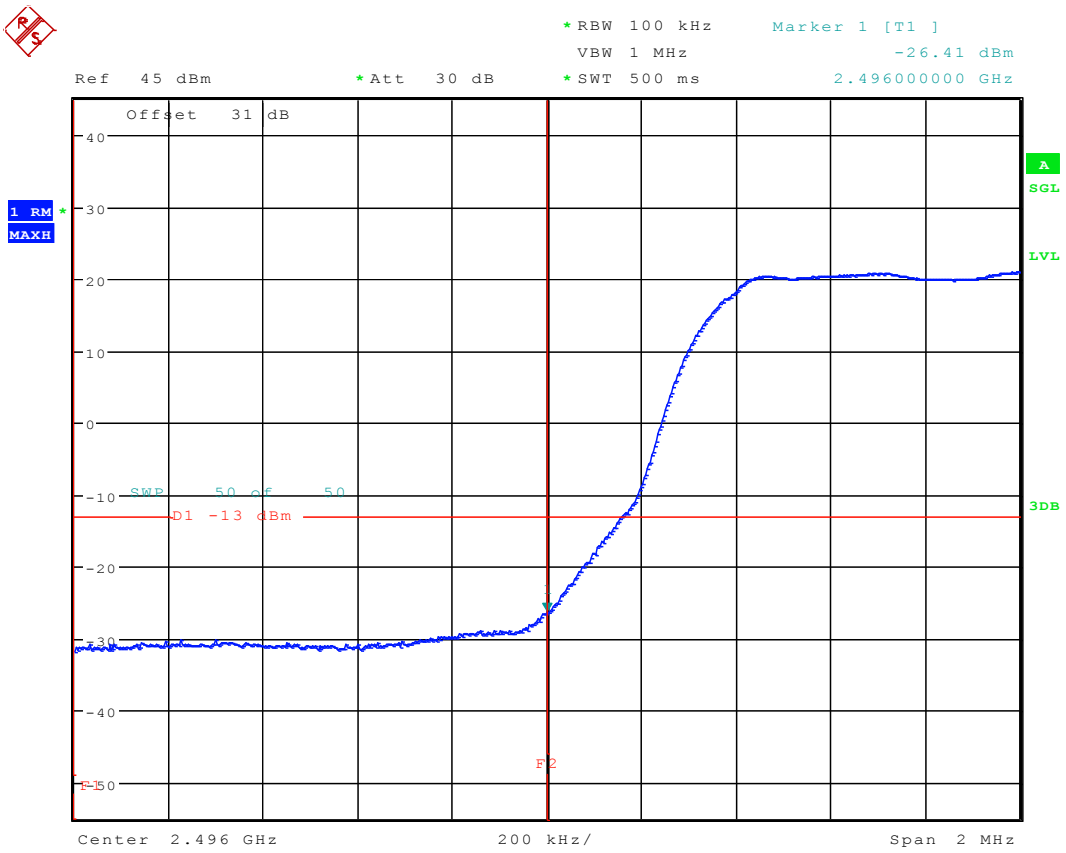
TM8:

Ch.B



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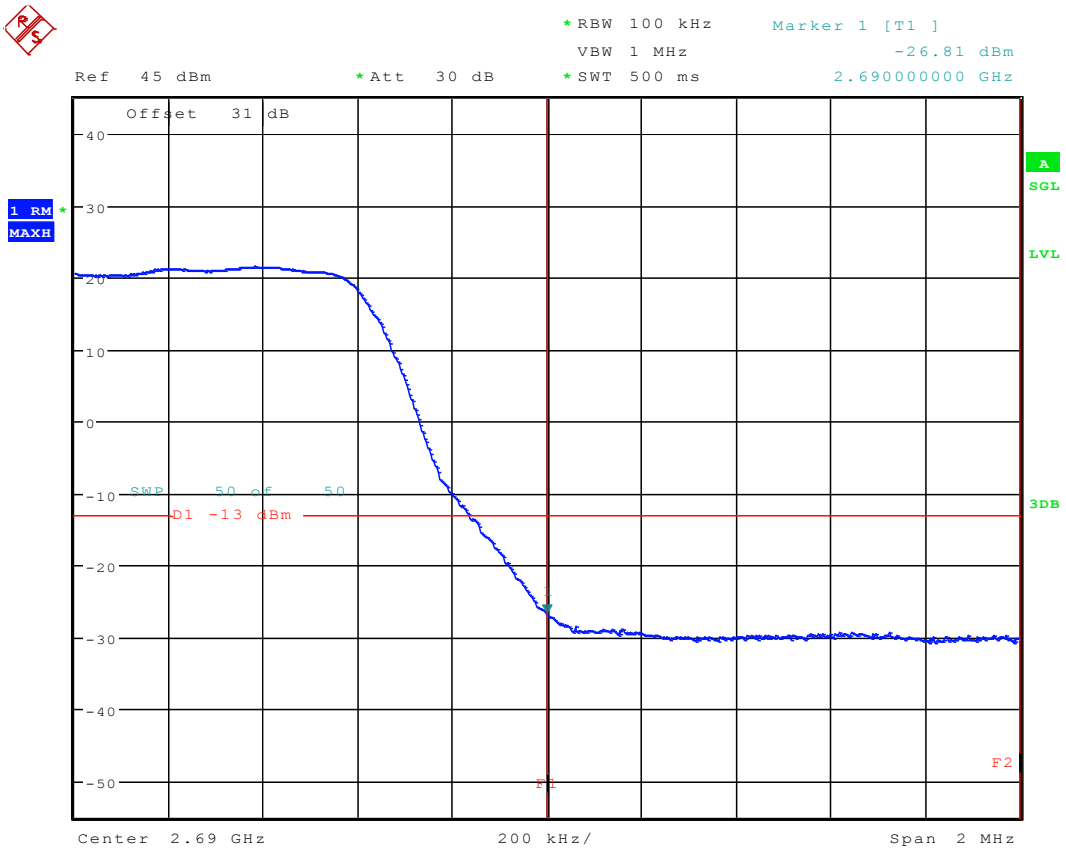
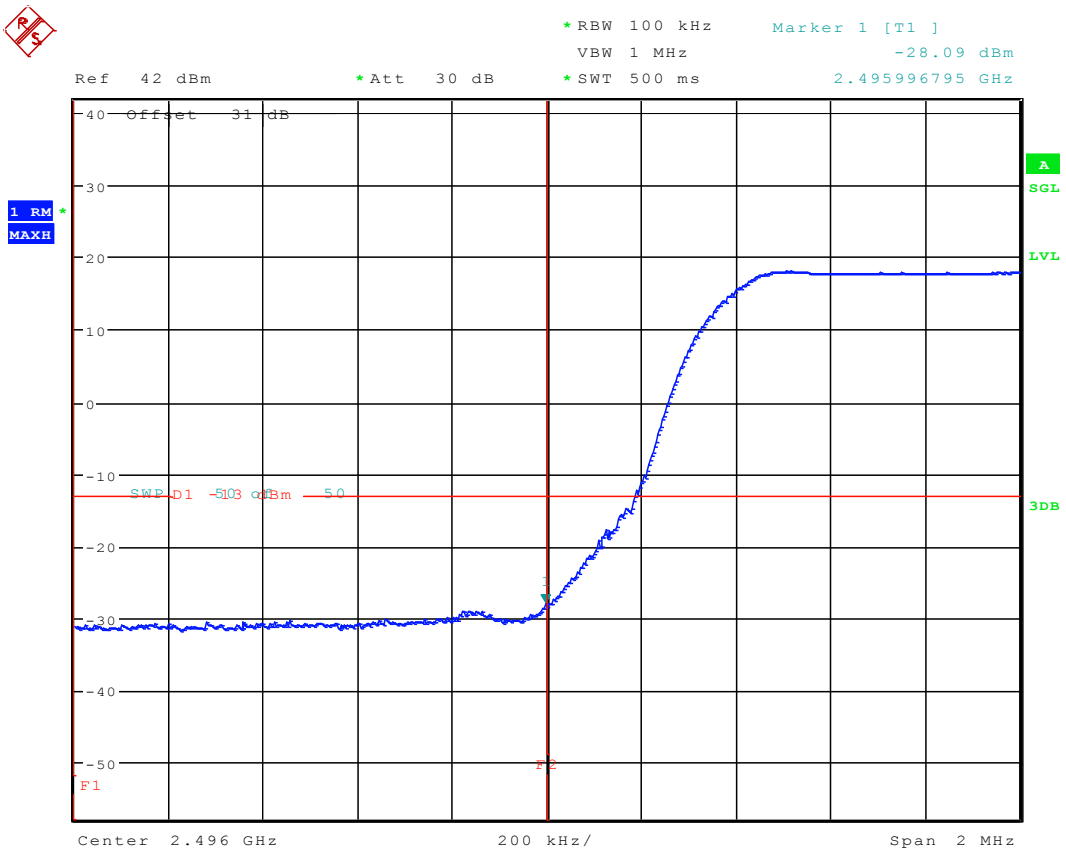


Date: 9.JAN.2009 10:12:33

(3) Dual Carriers, (10MHz+10MHz) WiMAX Channel Bandwidth:

TM1:

Ch.B



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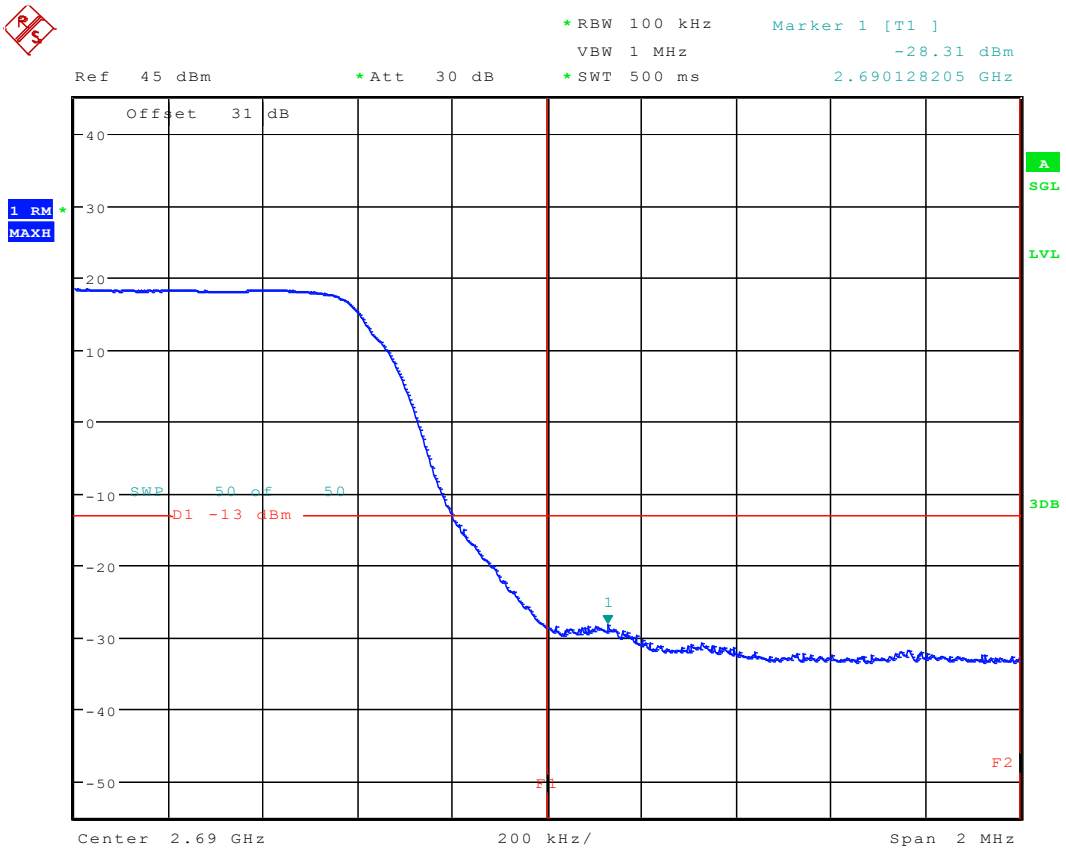
Ch.T



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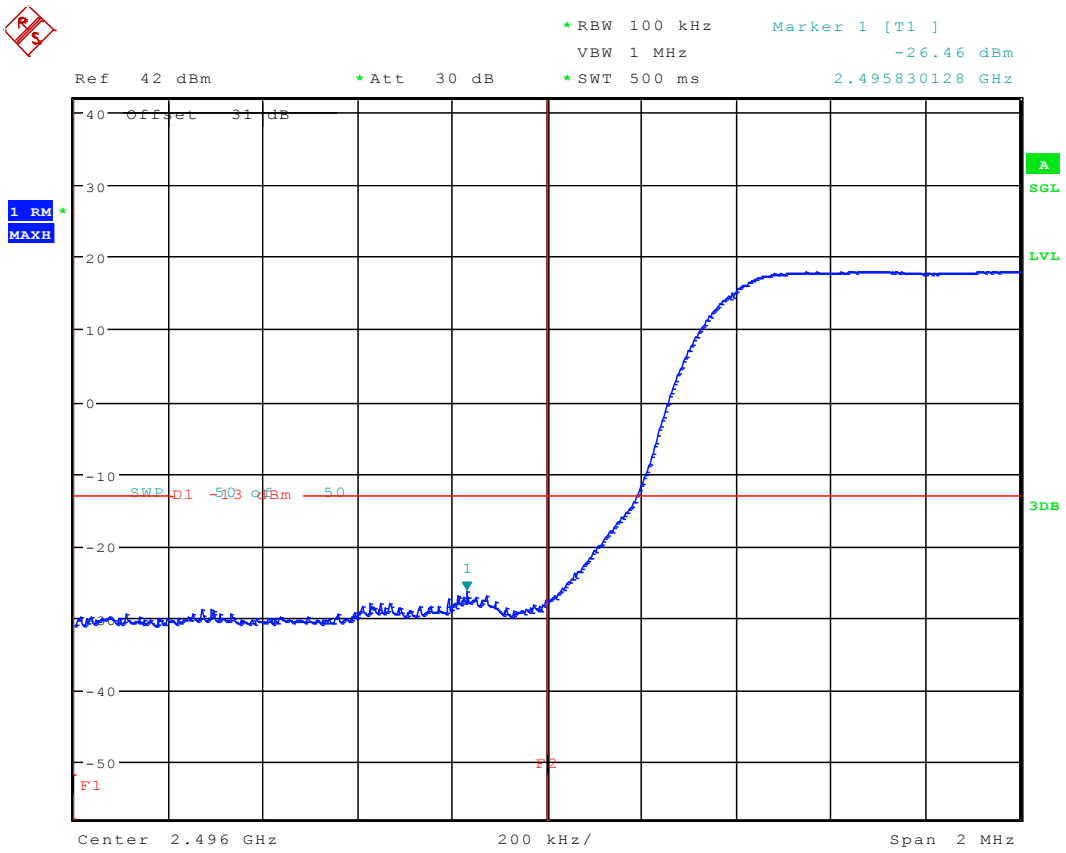
TM2:

Ch.B



Date: 7.JAN.2009 10:10:29

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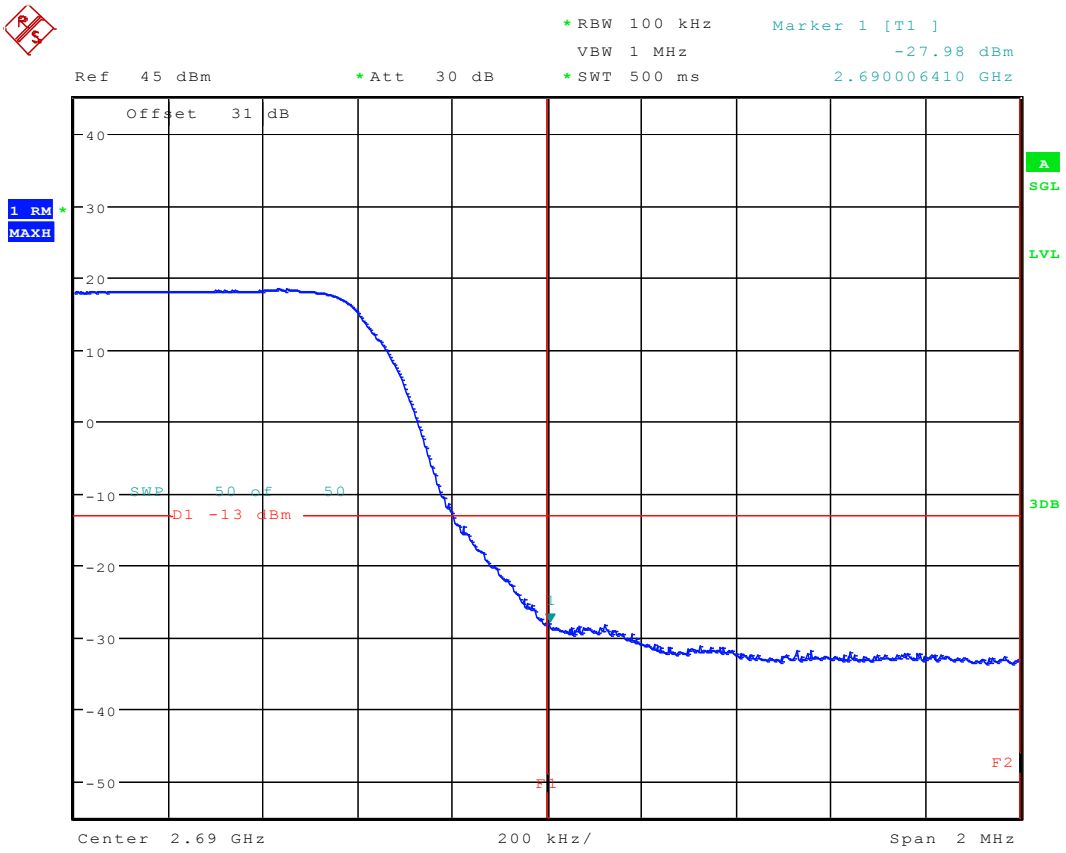

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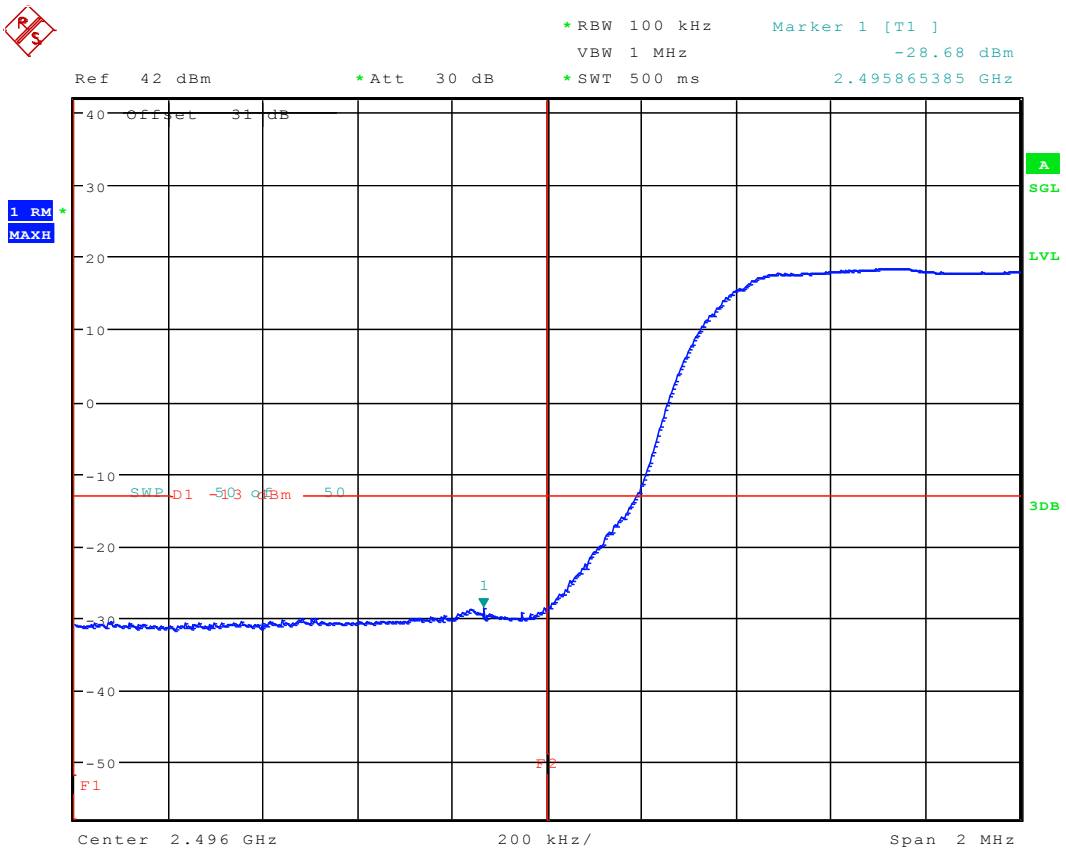
TM3:

Ch.B



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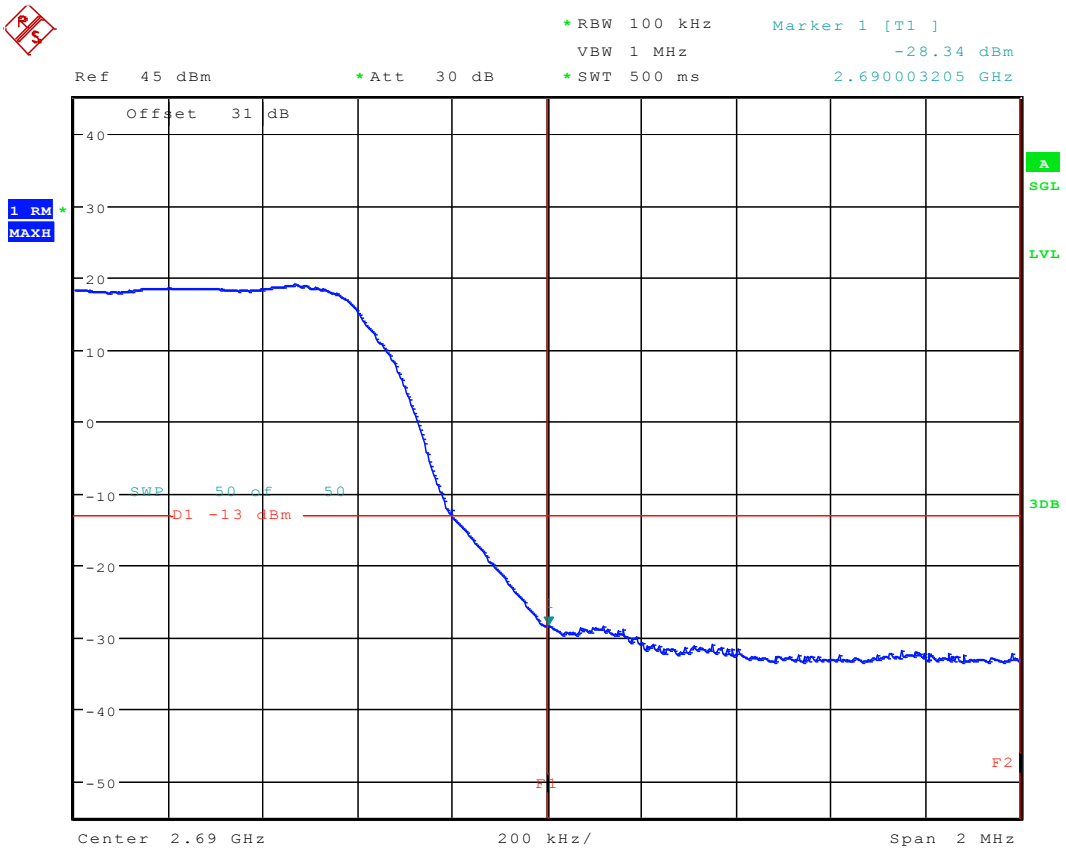

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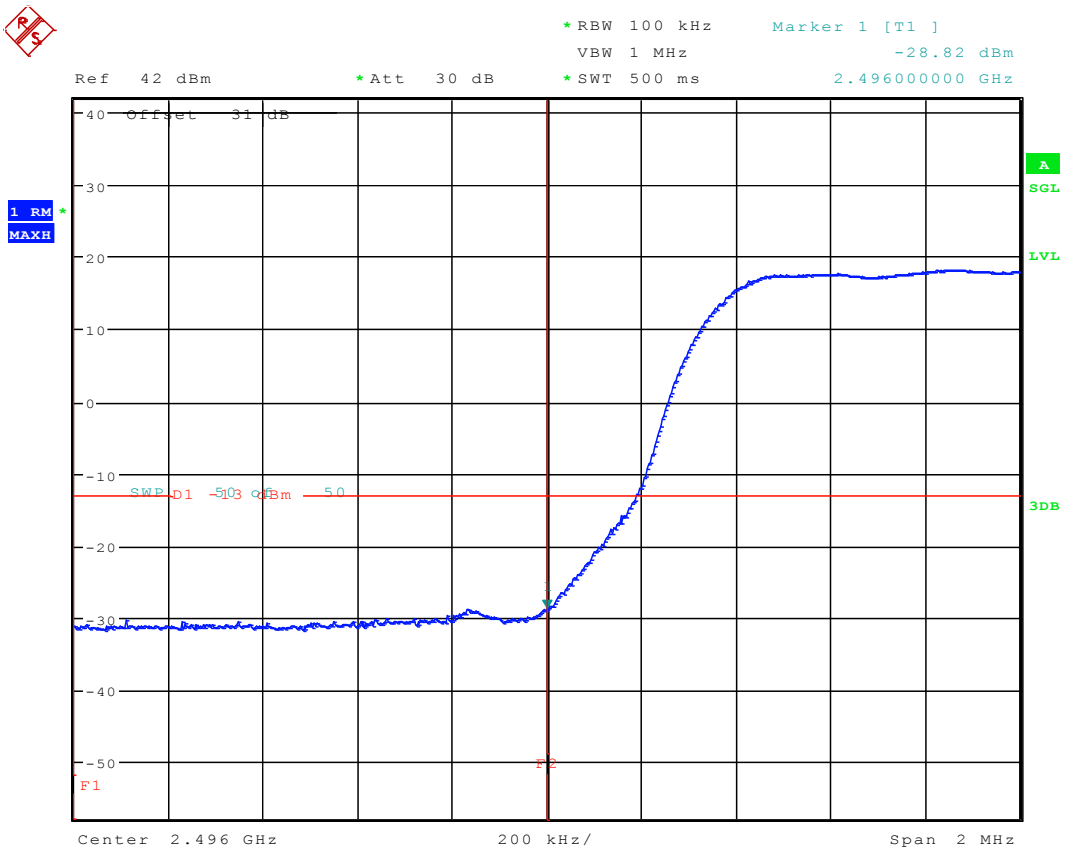
TM4:

Ch.B



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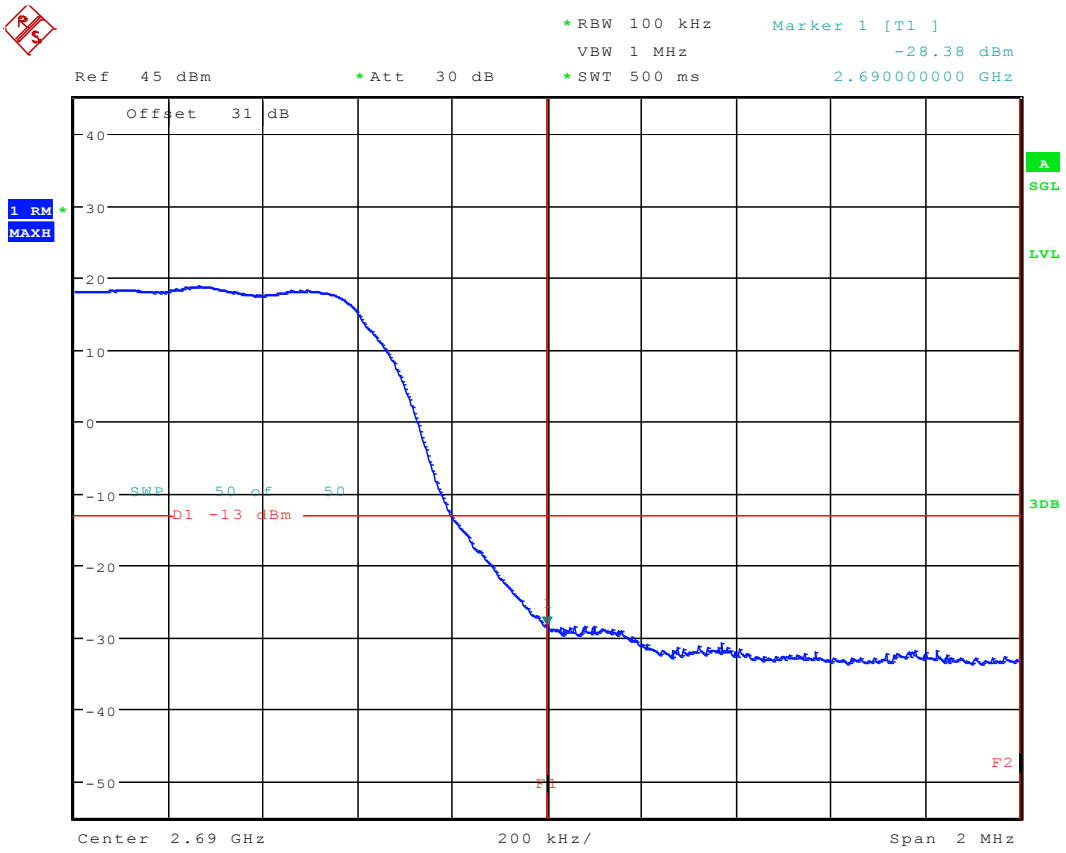
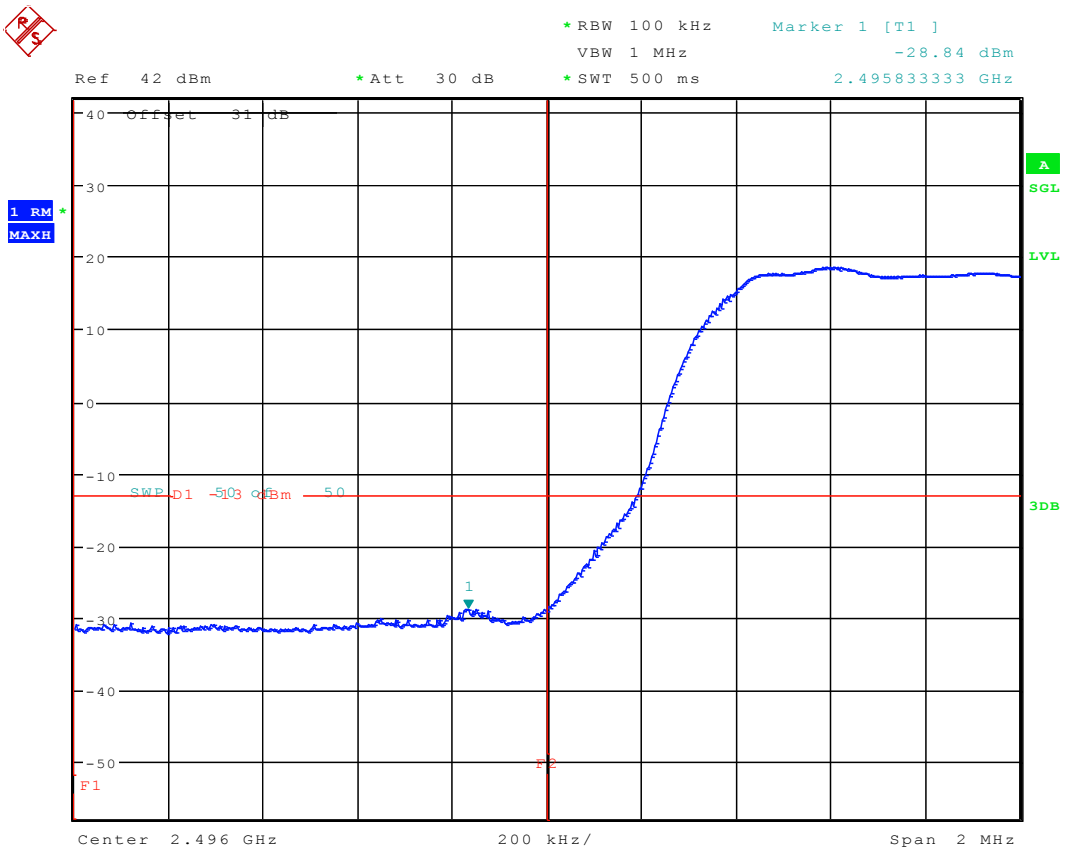
Ch.T



Date: 6.JAN.2009 19:45:47

TM5:

Ch.B



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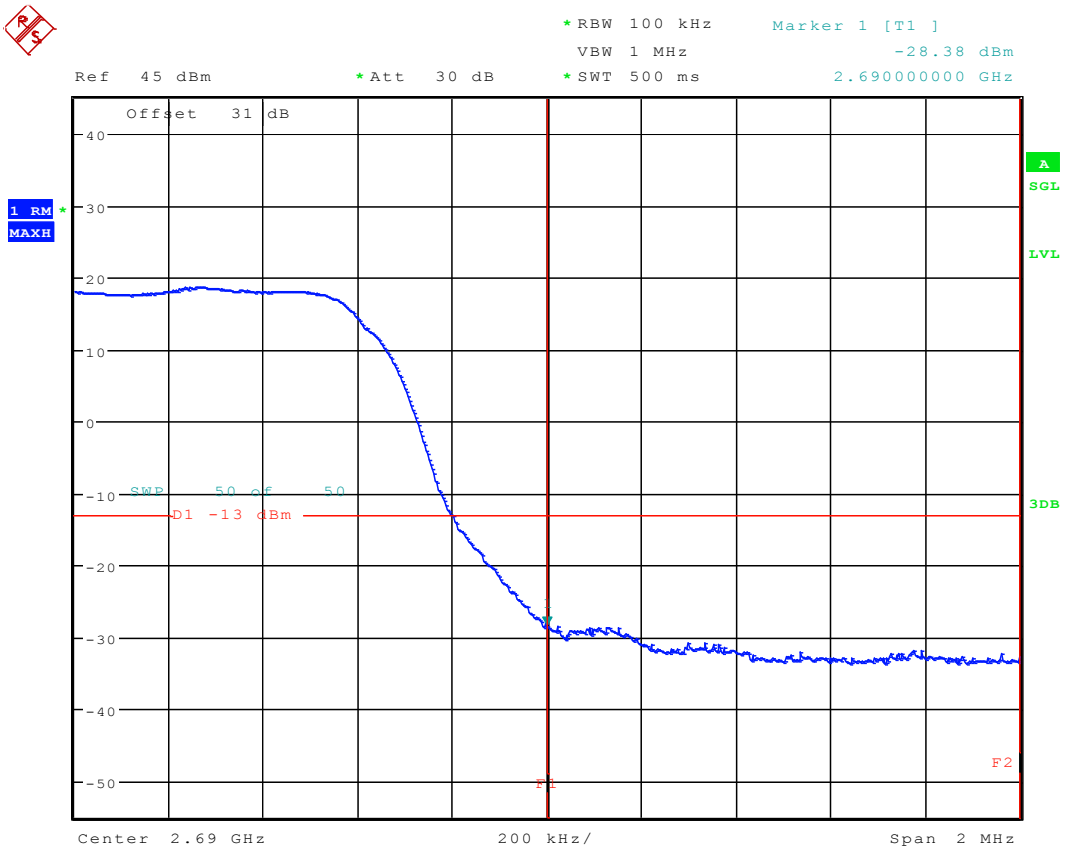
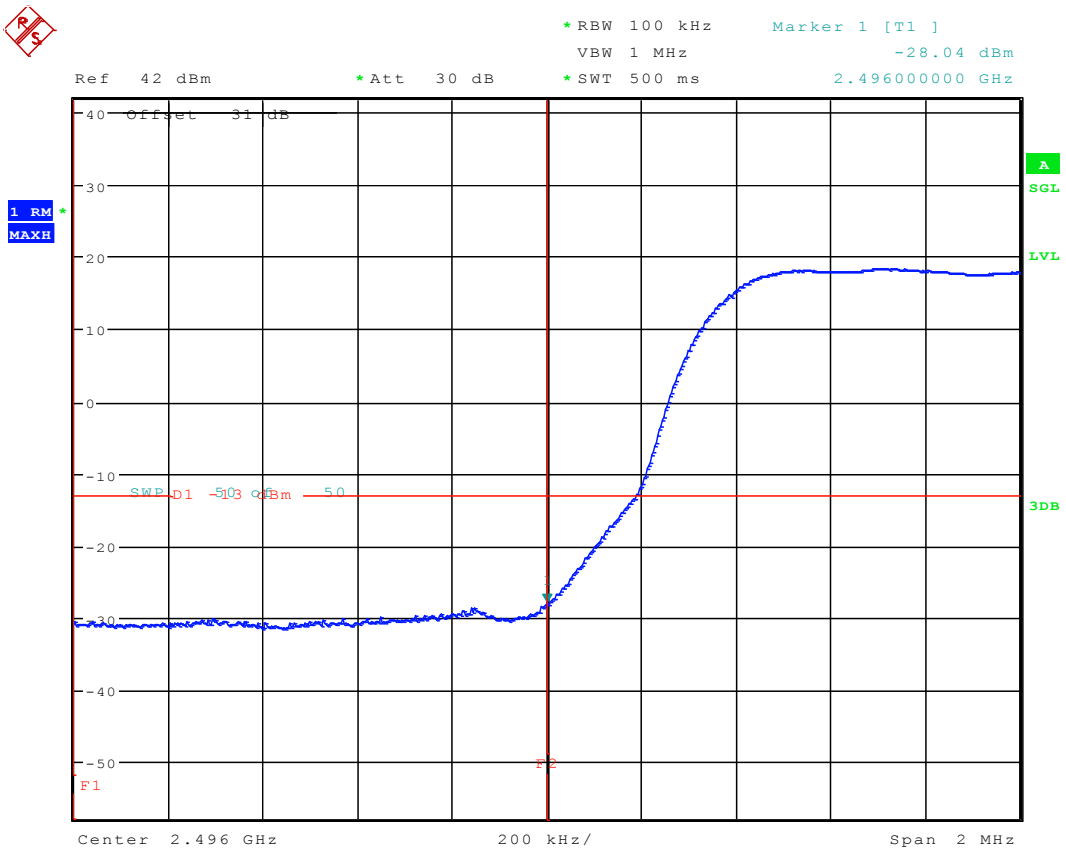


Date: 6.JAN.2009 19:48:45

TM6:

Ch.B



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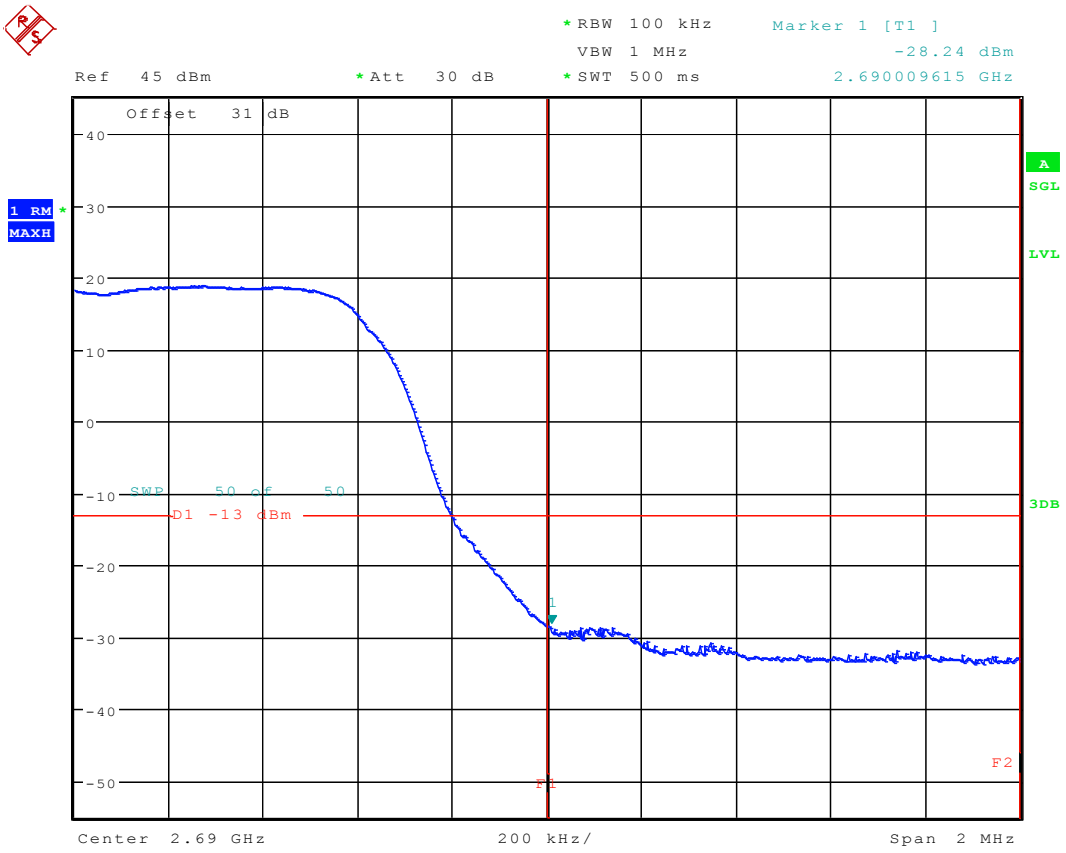

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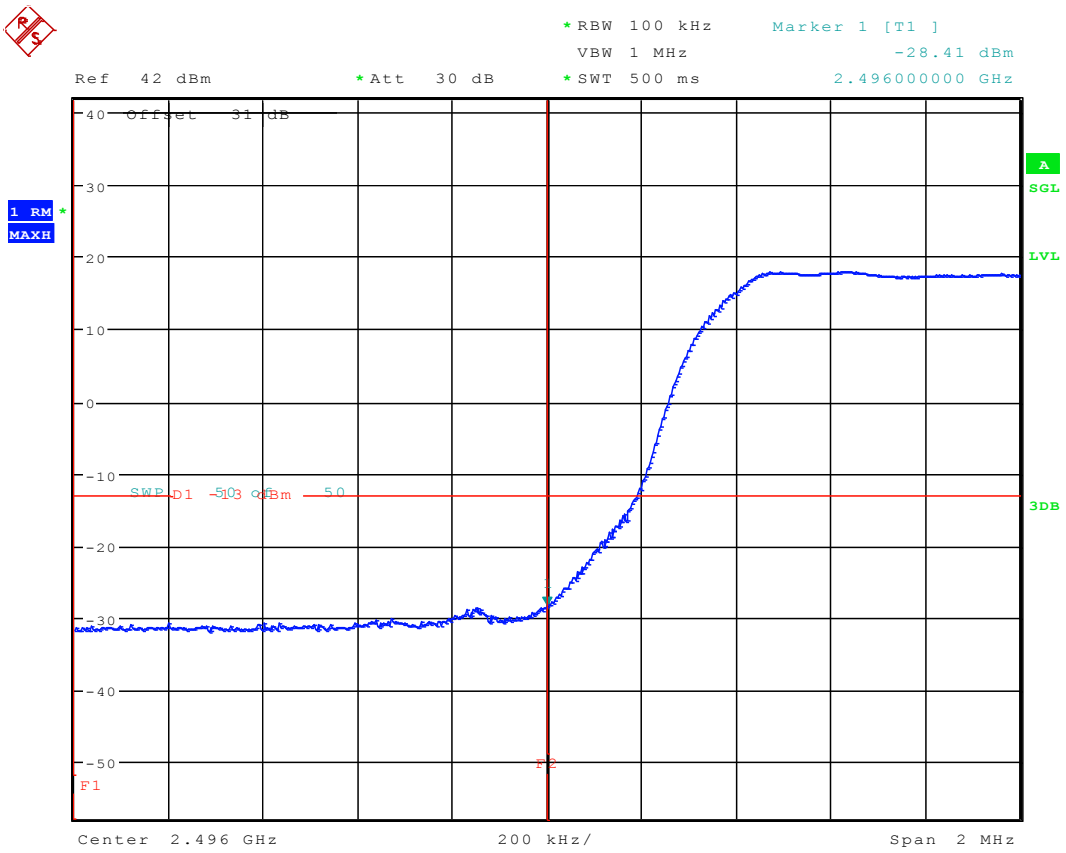
TM7:

Ch.B



Date: 7.JAN.2009 10:22:49

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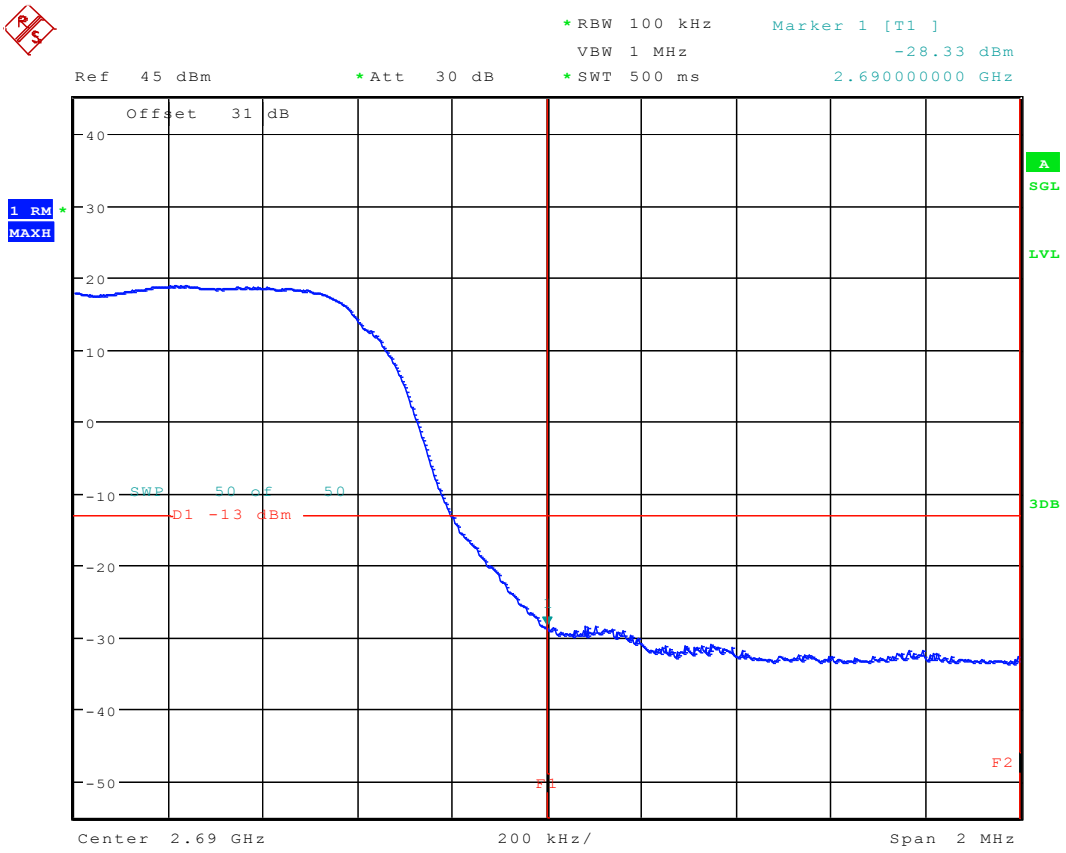

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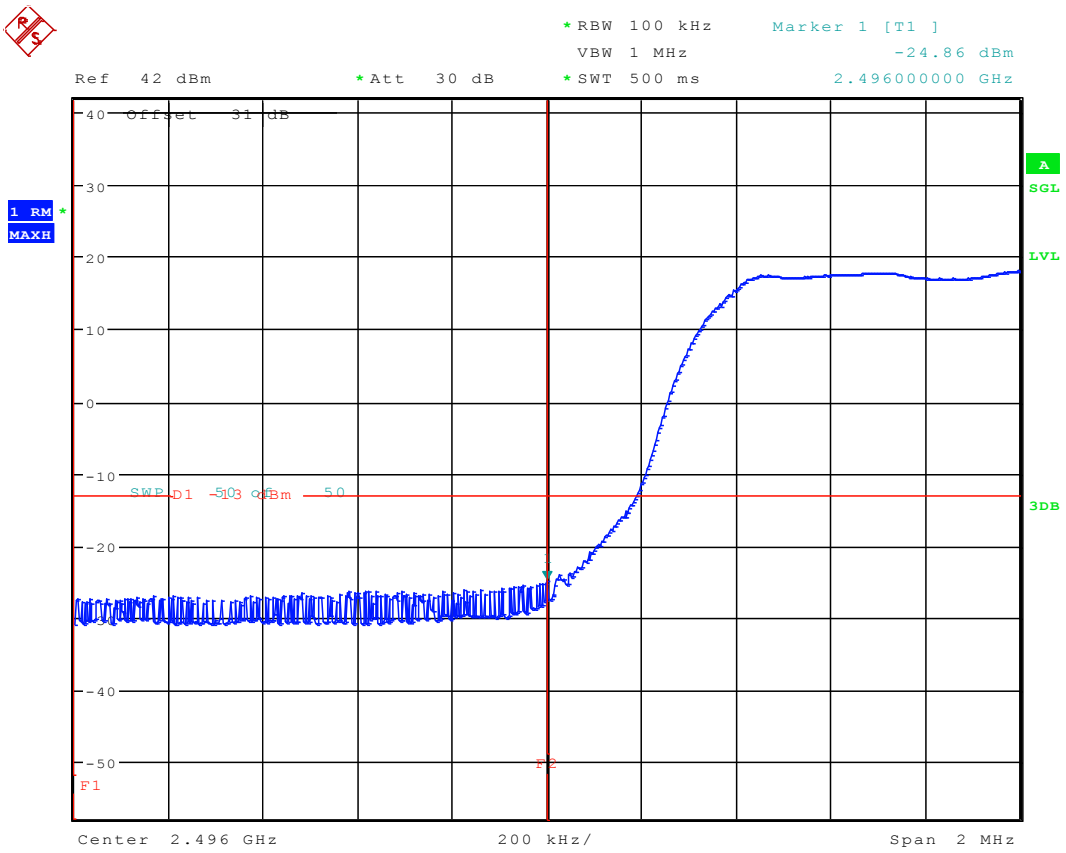
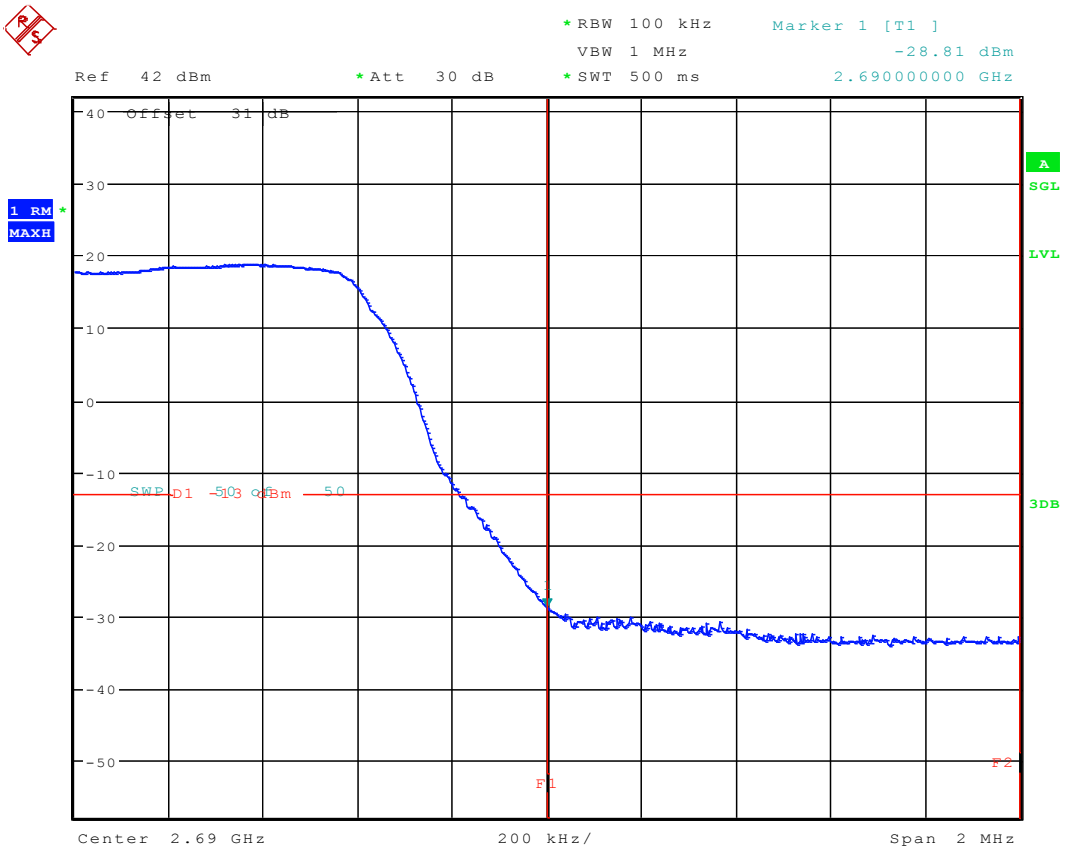
TM8:

Ch.B



Date: 9.JAN.2009 13:53:25

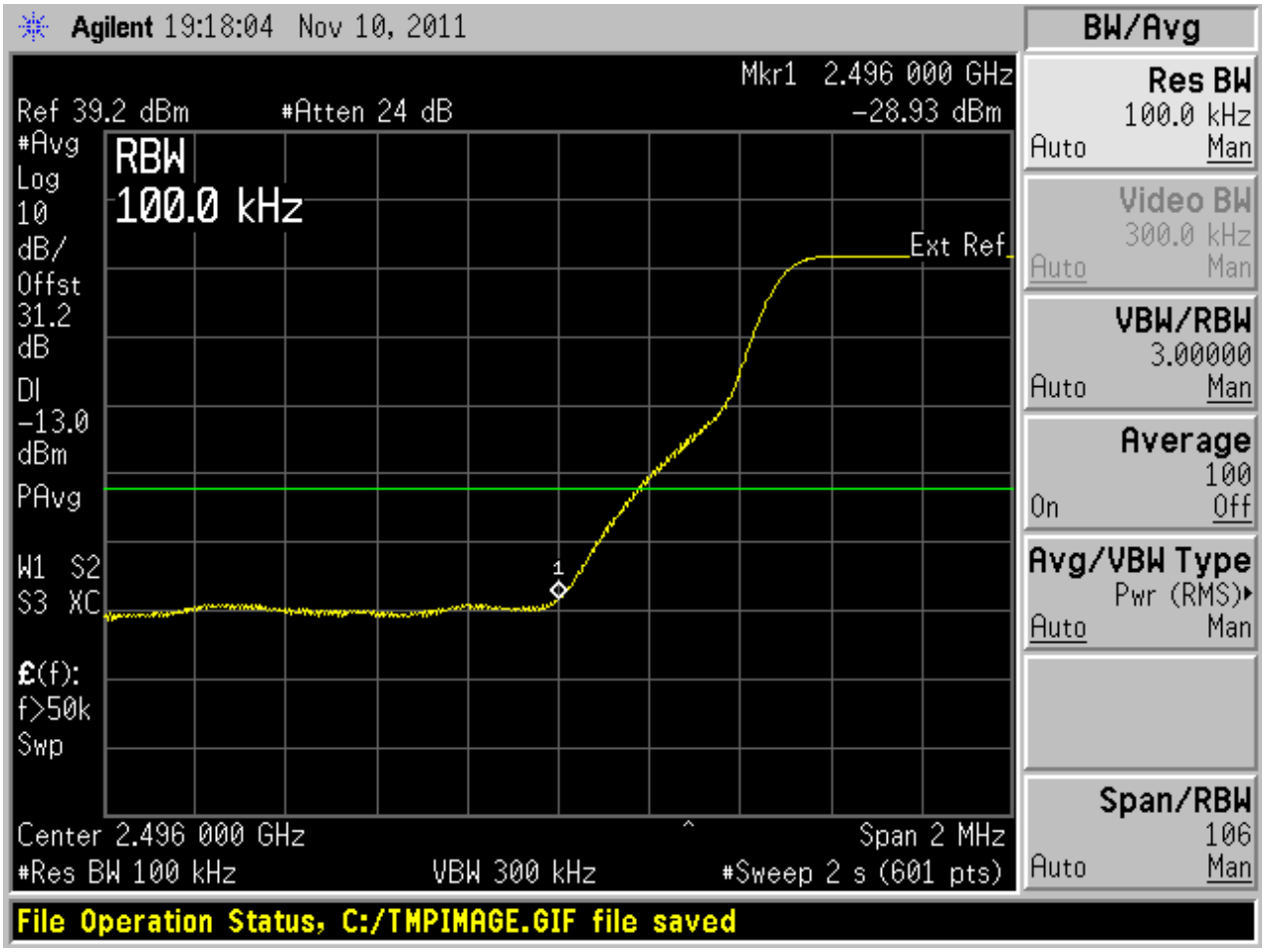
Ch.T



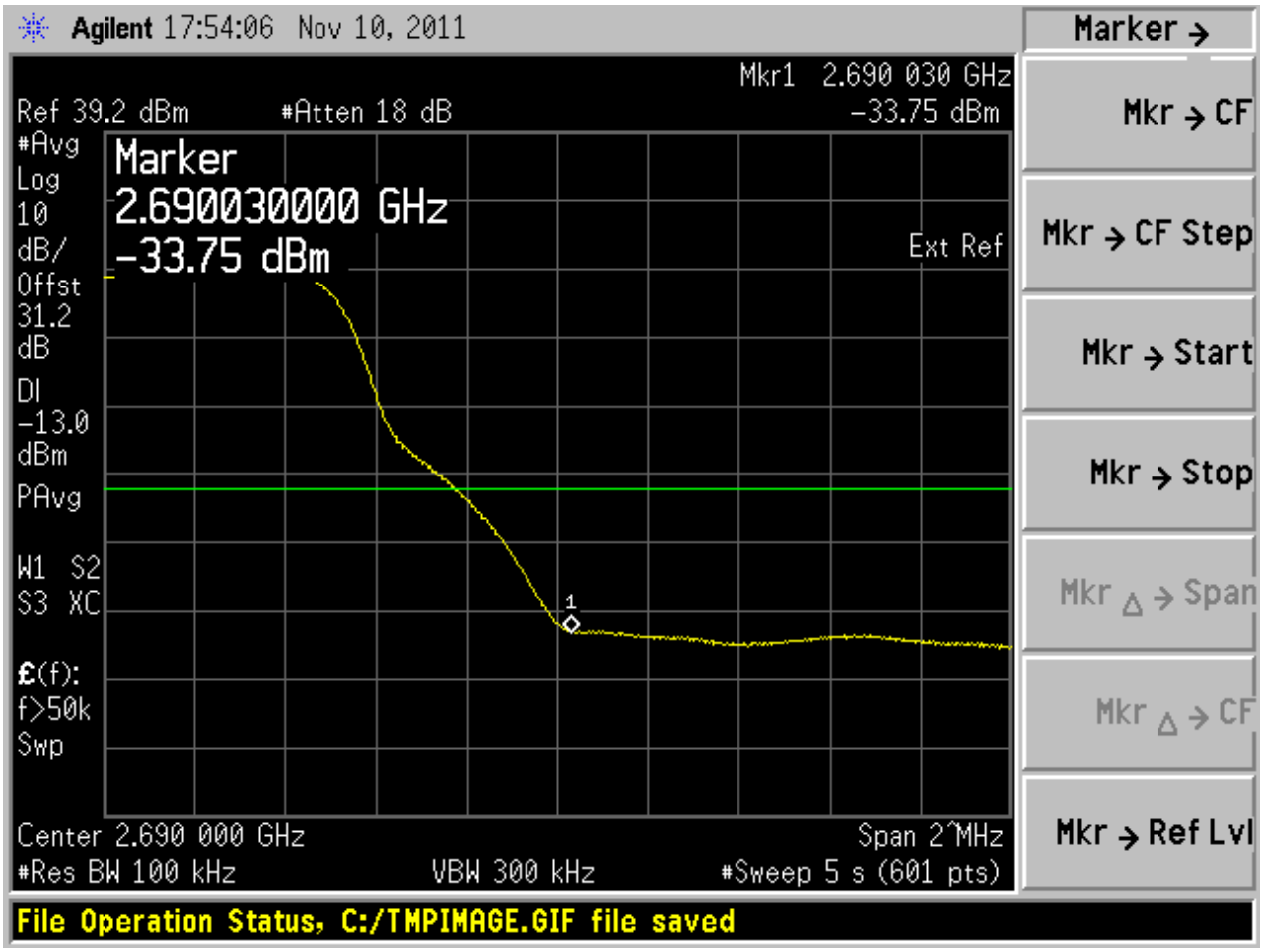
Date: 9.JAN.2009 13:04:36

(4) Single Carrier, 10MHz LTE Channel Bandwidth:

Ch. B

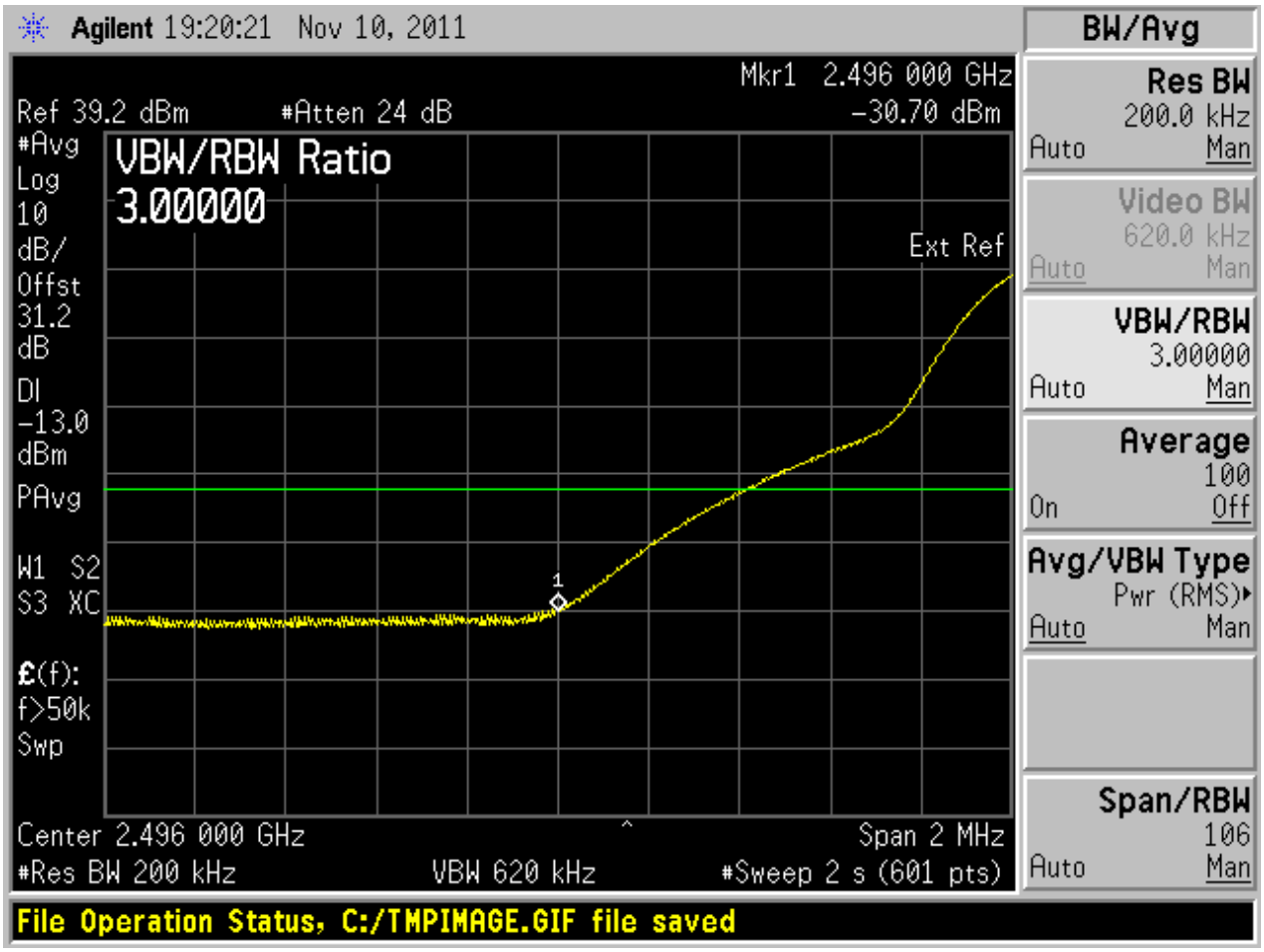


Ch. T

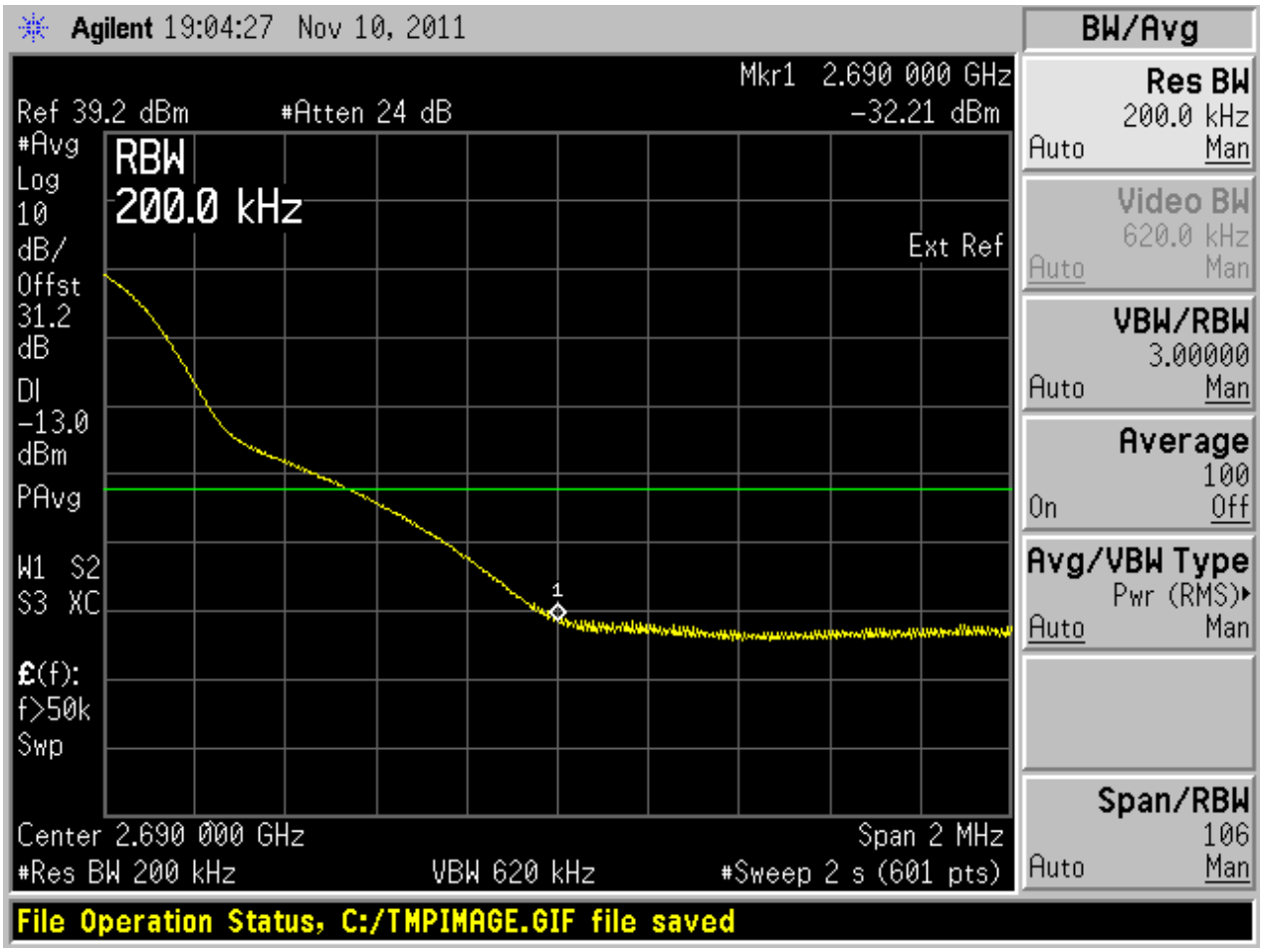

Agilent 17:54:06 Nov 10, 2011
Marker →
Mkr1 2.690 030 GHz
Ref 39.2 dBm
#Atten 18 dB
-33.75 dBm
#Avg
Log
10
dB/
Offst
31.2
dB
Dl
-13.0
dBm
PAvg
W1 S2
S3 XC
£(f):
f>50k
Swp
Marker
2.690030000 GHz
-33.75 dBm
Ext Ref
Mkr → CF
Mkr → CF Step
Mkr → Start
Mkr → Stop
Mkr Δ → Span
Mkr Δ → CF
Mkr → Ref Lvl
Center 2.690 000 GHz
Span 2 MHz
#Res BW 100 kHz
VBW 300 kHz
#Sweep 5 s (601 pts)
File Operation Status, C:/TMPIMAGE.GIF file saved

(5) Single Carrier, 20MHz LTE Channel Bandwidth:

Ch. B

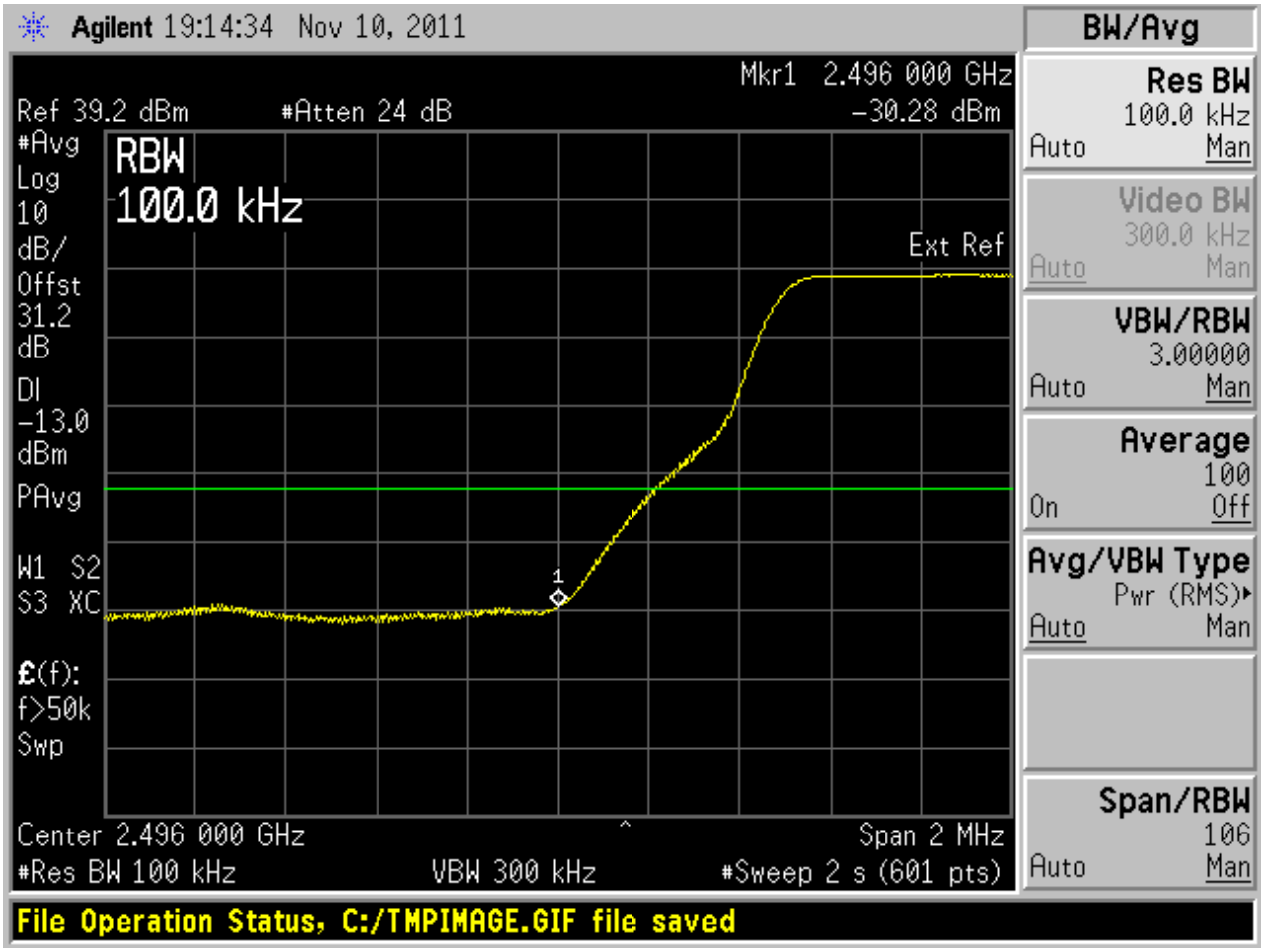


Ch. T

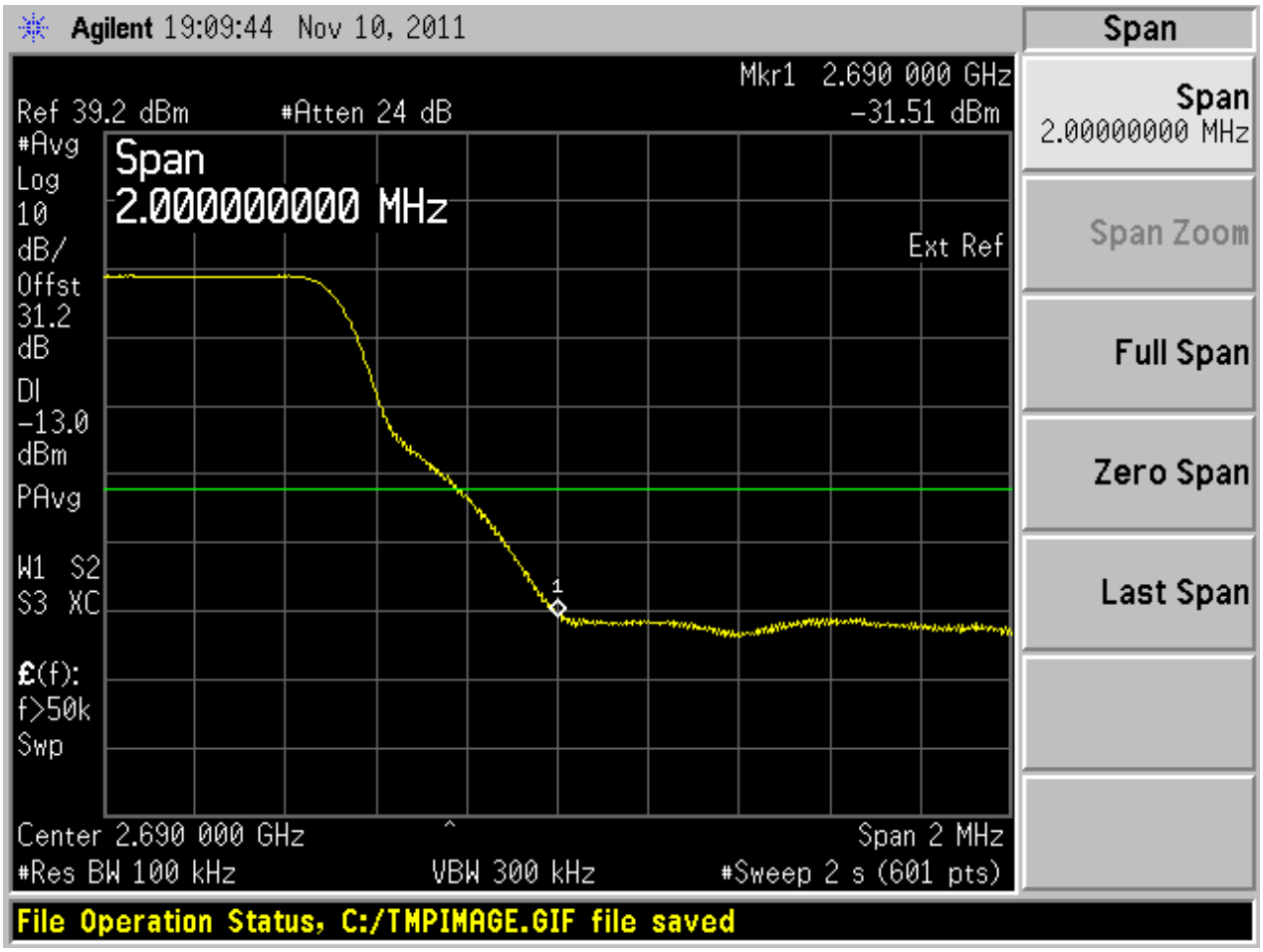

Agilent 19:04:27 Nov 10, 2011
Mkr1 2.690 000 GHz
Ref 39.2 dBm
#Atten 24 dB
-32.21 dBm
#Avg
Log
10
dB/
Offst
31.2
dB
Dl
-13.0
dBm
PAvg
W1 S2
S3 XC
£(f):
f>50k
Swp
RBW
200.0 kHz
Ext Ref
1
Center 2.690 000 GHz
Span 2 MHz
#Res BW 200 kHz
VBW 620 kHz
#Sweep 2 s (601 pts)
BW/Avg
Res BW
200.0 kHz
Auto Man
Video BW
620.0 kHz
Auto Man
VBW/RBW
3.00000
Auto Man
Average
100
On Off
Avg/VBW Type
Pwr (RMS)
Auto Man
Span/RBW
106
Auto Man
File Operation Status, C:/TMPIMAGE.GIF file saved

(6) Dual Carriers, (10MHz+10MHz) LTE Channel Bandwidth:

Ch. B

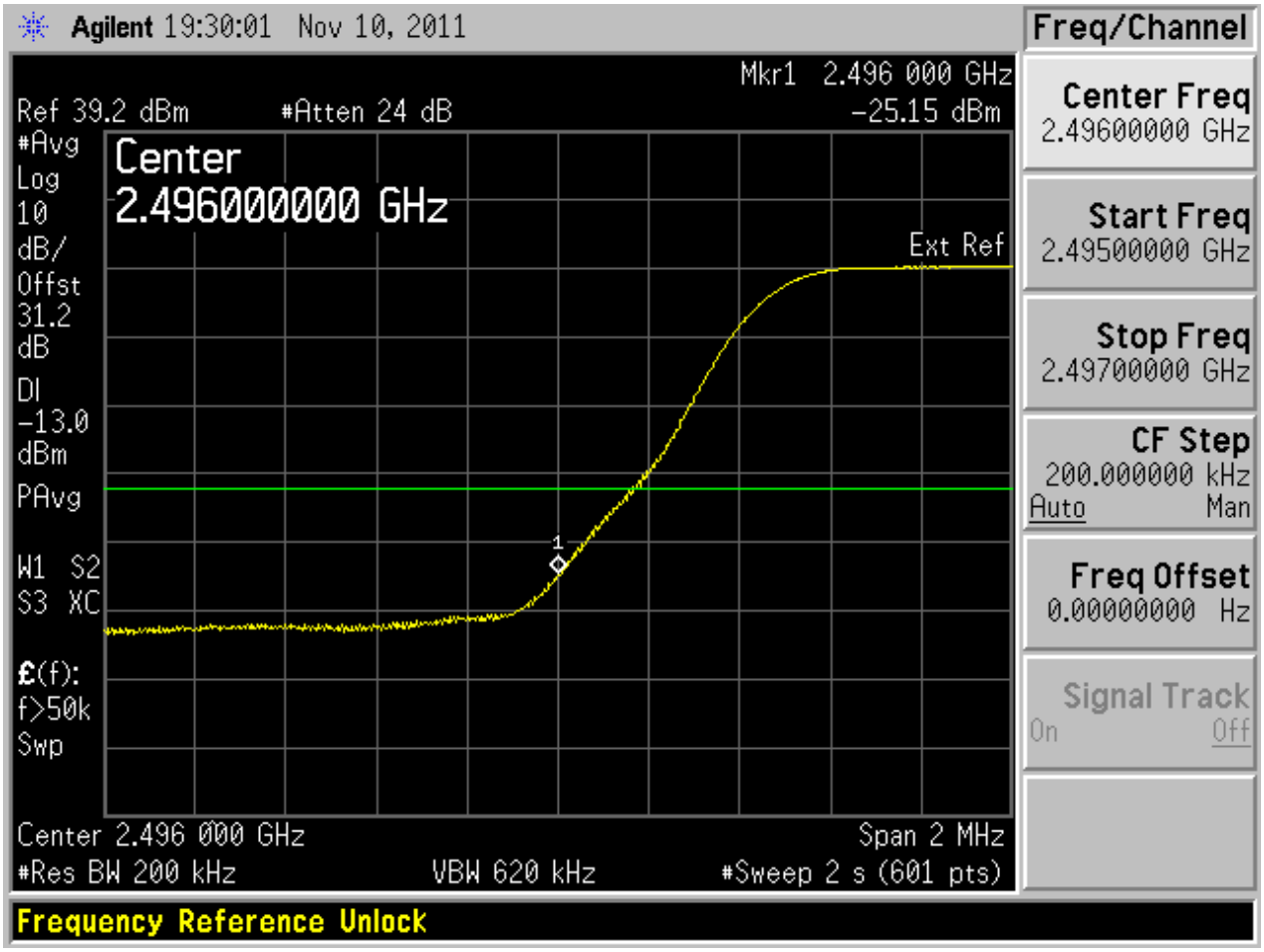


Ch. T

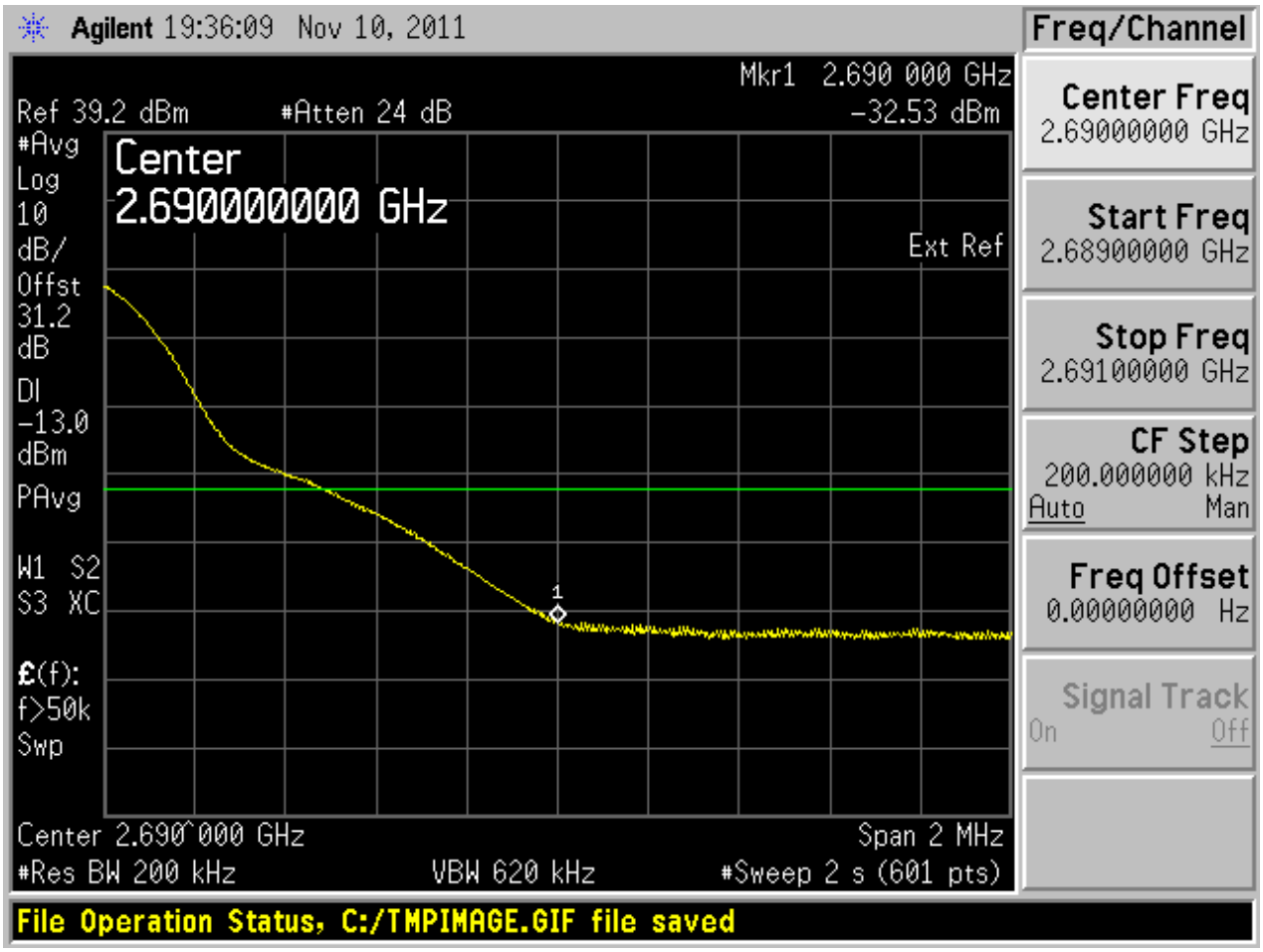

Agilent 19:09:44 Nov 10, 2011
Mkr1 2.690 000 GHz
Ref 39.2 dBm
#Atten 24 dB
-31.51 dBm
#Avg
Log
10
dB/
Offst
31.2
dB
Dl
-13.0
dBm
PAvg
W1 S2
S3 XC
£(f):
f>50k
Swp
Span
2.000000000 MHz
Ext Ref
Center 2.690 000 GHz
Span 2 MHz
#Res BW 100 kHz
VBW 300 kHz
#Sweep 2 s (601 pts)
Span
Span
2.00000000 MHz
Span Zoom
Full Span
Zero Span
Last Span
File Operation Status, C:/TMPIMAGE.GIF file saved

(7) LTE Dual Carriers, 10MHz+20MHz Channel Bandwidth:

Ch. B

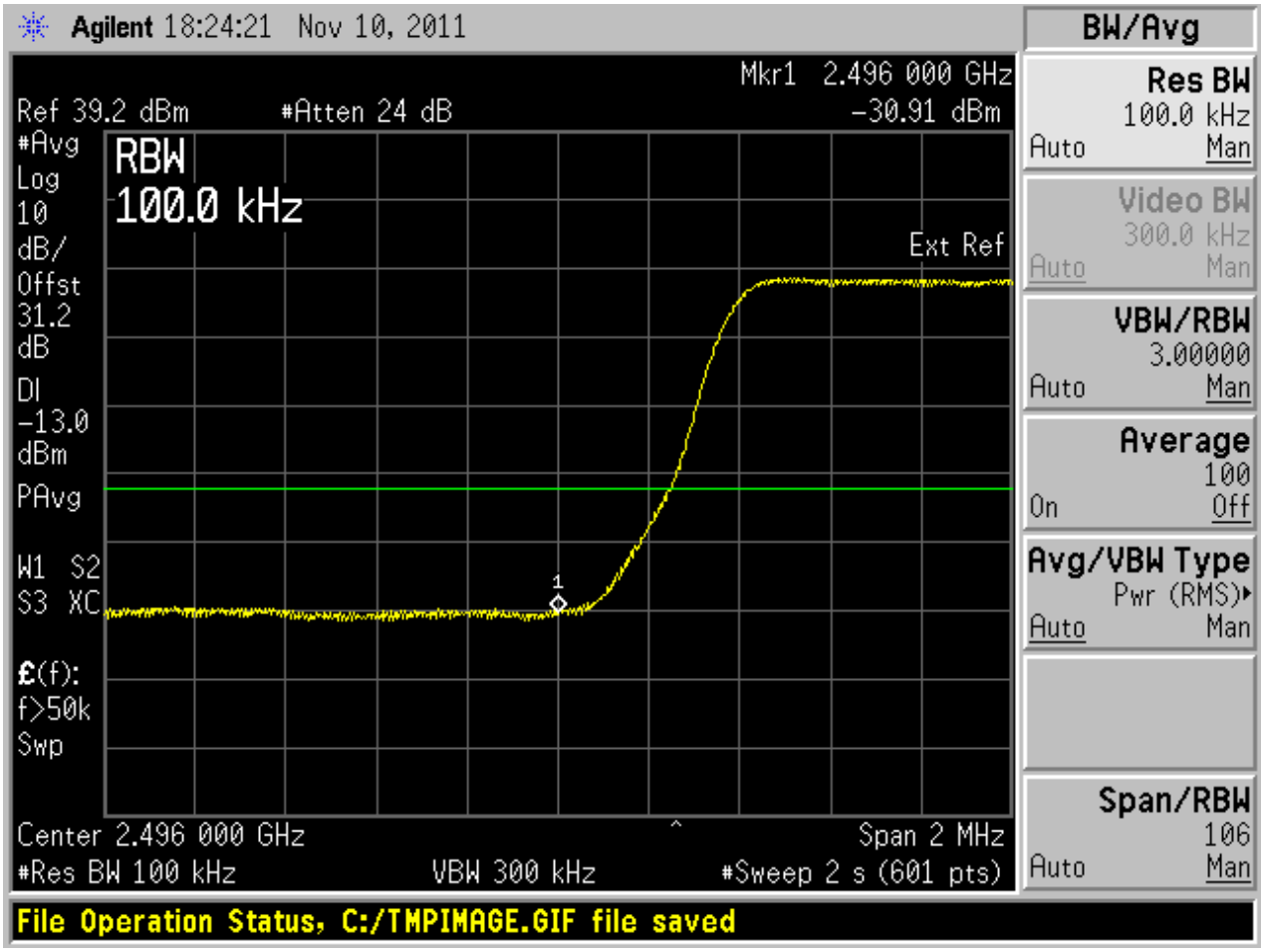


Ch. T

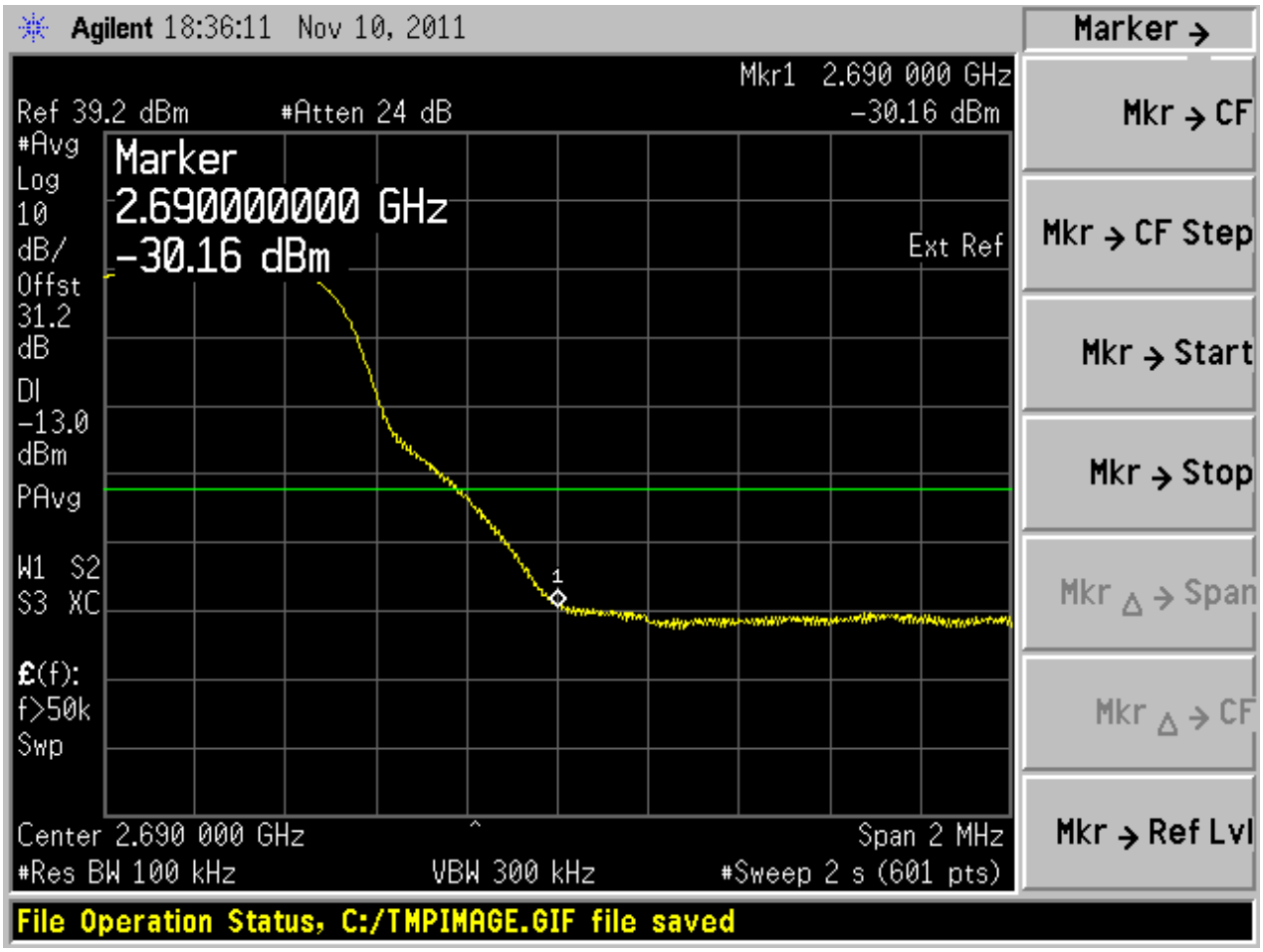

Agilent 19:36:09 Nov 10, 2011
Freq/Channel
Mkr1 2.690 000 GHz
-32.53 dBm
Ref 39.2 dBm
#Atten 24 dB
#Avg
Log
10
dB/
Offst
31.2
dB
Dl
-13.0
dBm
PAvg
W1 S2
S3 XC
£(f):
f>50k
Swp
Center
2.690000000 GHz
Ext Ref
Center Freq
2.69000000 GHz
Start Freq
2.68900000 GHz
Stop Freq
2.69100000 GHz
CF Step
200.000000 kHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Center 2.690000 GHz
Span 2 MHz
#Res BW 200 kHz
VBW 620 kHz
#Sweep 2 s (601 pts)
File Operation Status, C:/TMPIMAGE.GIF file saved

(8) Dual Carriers, 10MHz WiMAX +10MHz LTE Channel Bandwidth:

Ch. B

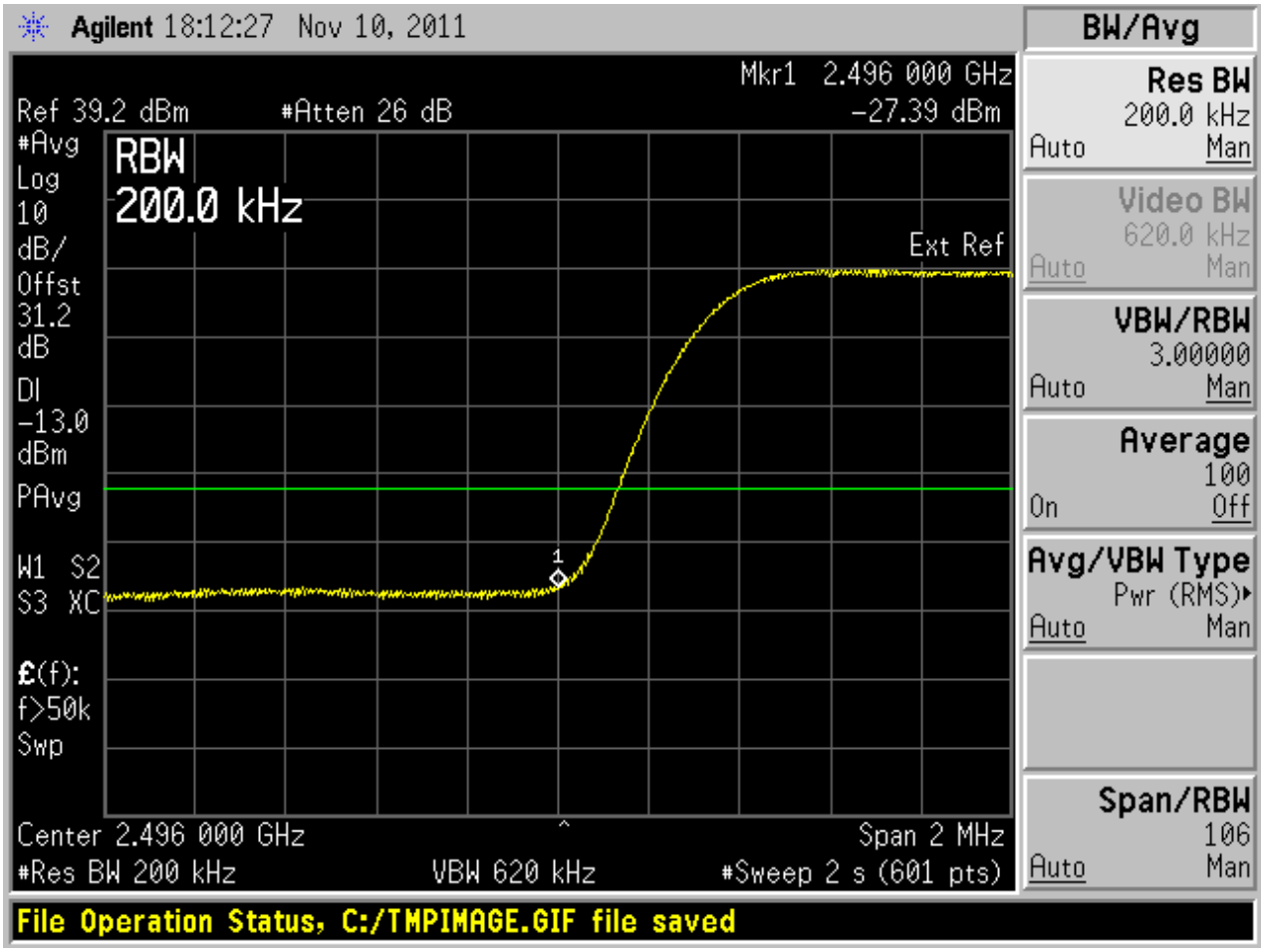


Ch. T

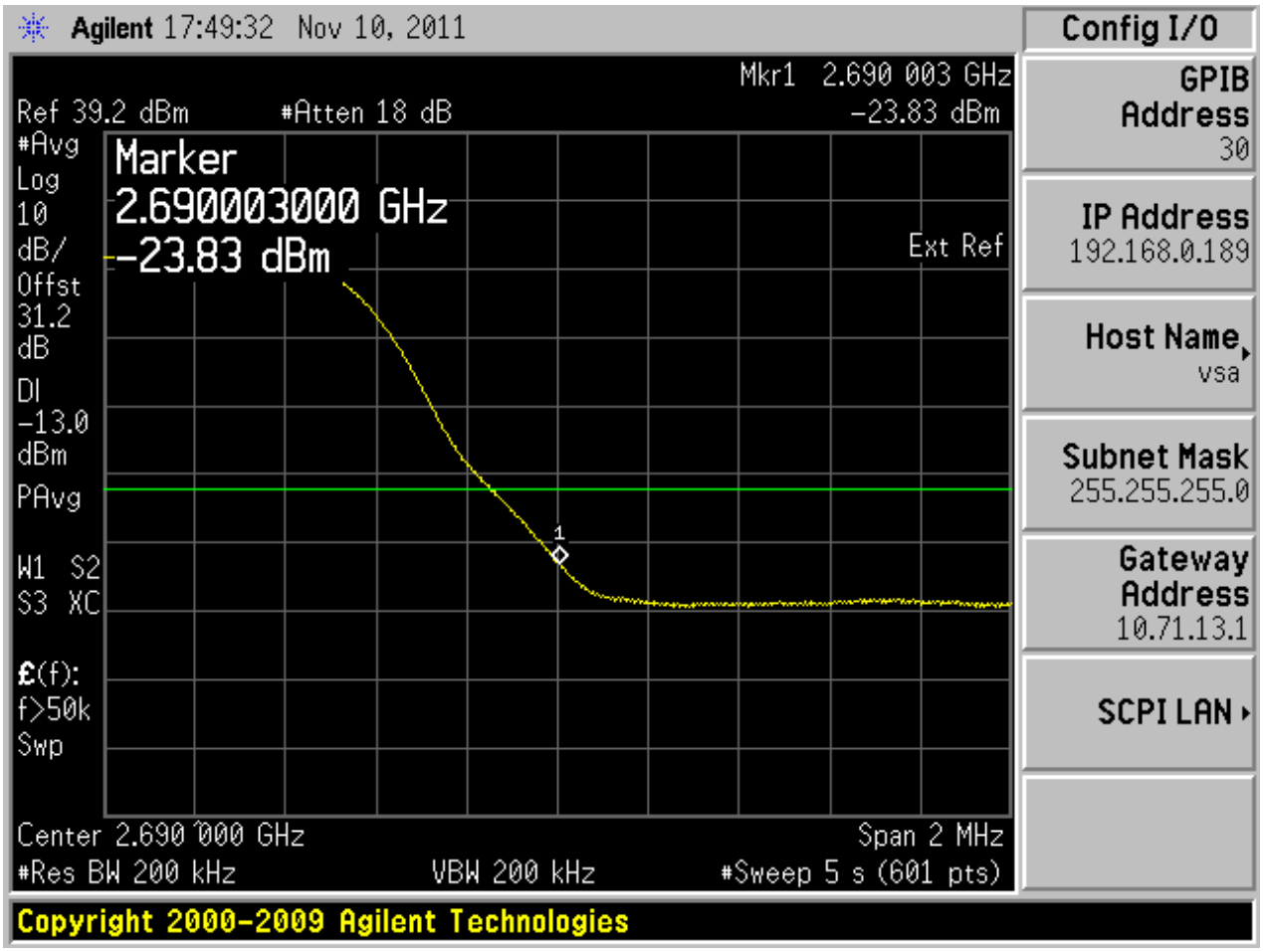

Agilent 18:36:11 Nov 10, 2011
Mkr1 2.690 000 GHz
-30.16 dBm
Ref 39.2 dBm
#Atten 24 dB
#Avg
Log
10
dB/
Offst
31.2
dB
Dl
-13.0
dBm
PAvg
W1 S2
S3 XC
£(f):
f>50k
Swp
Marker
2.690000000 GHz
-30.16 dBm
Ext Ref
Center 2.690 000 GHz
#Res BW 100 kHz
VBW 300 kHz
Span 2 MHz
#Sweep 2 s (601 pts)
Marker →
Mkr → CF
Mkr → CF Step
Mkr → Start
Mkr → Stop
Mkr Δ → Span
Mkr Δ → CF
Mkr → Ref Lvl
File Operation Status, C:/TMPIMAGE.GIF file saved

(9) Dual Carriers, 10MHz WiMAX +20MHz LTE Channel Bandwidth:

Ch. B



Ch. T


Agilent 17:49:32 Nov 10, 2011
Mkr1 2.690 003 GHz
-23.83 dBm
Ref 39.2 dBm
#Atten 18 dB
#Avg
Log
10
dB/
Offst
31.2
dB
Dl
-13.0
dBm
PAvg
W1 S2
S3 XC
£(f):
f>50k
Swp
Marker
2.690003000 GHz
-23.83 dBm
Ext Ref
Center 2.690 000 GHz
Span 2 MHz
#Res BW 200 kHz
VBW 200 kHz
#Sweep 5 s (601 pts)
Config I/O
GPIB Address
30
IP Address
192.168.0.189
Host Name
vsa
Subnet Mask
255.255.255.0
Gateway Address
10.71.13.1
SCPI LAN
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