



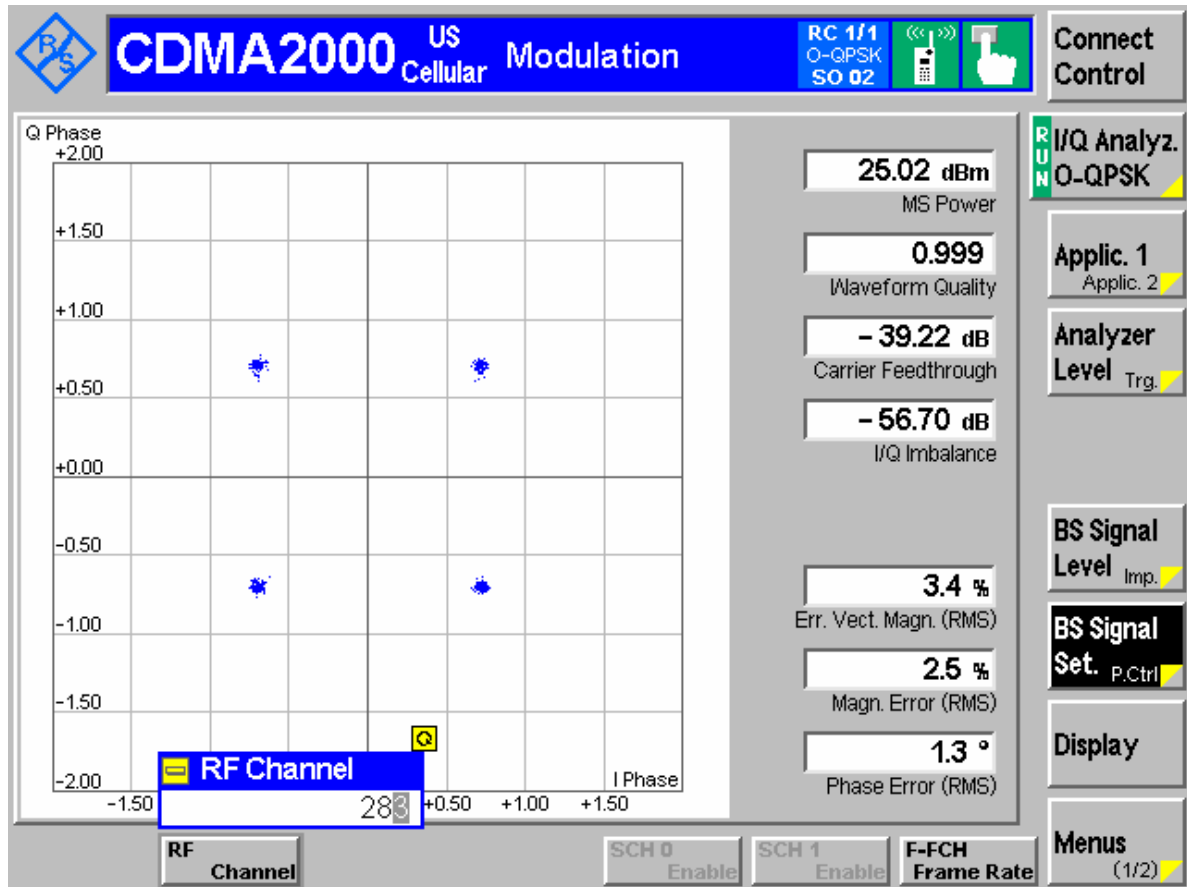
# Appendix A

## Modulation Characteristics

According to FCC Part 2.1047 & Part22 Subpart H

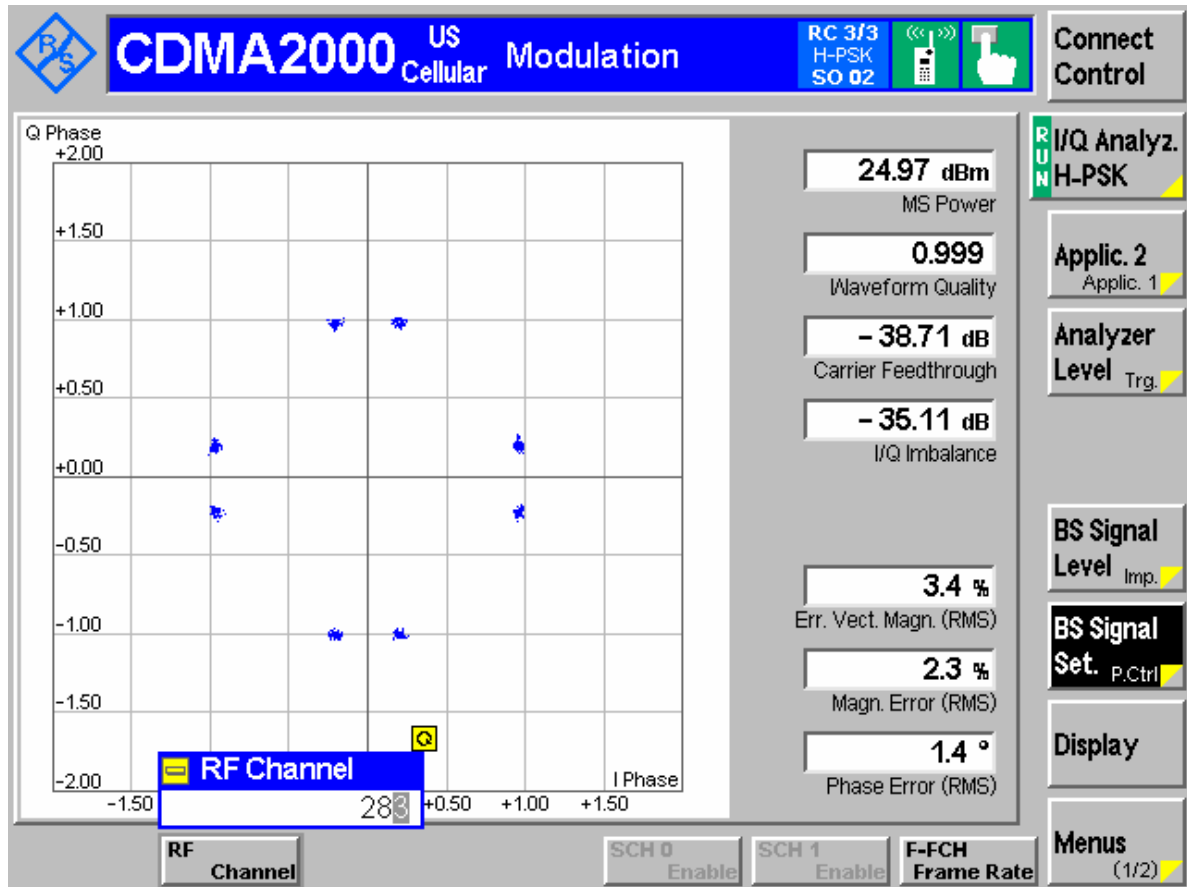


## Channel 283(TM1)



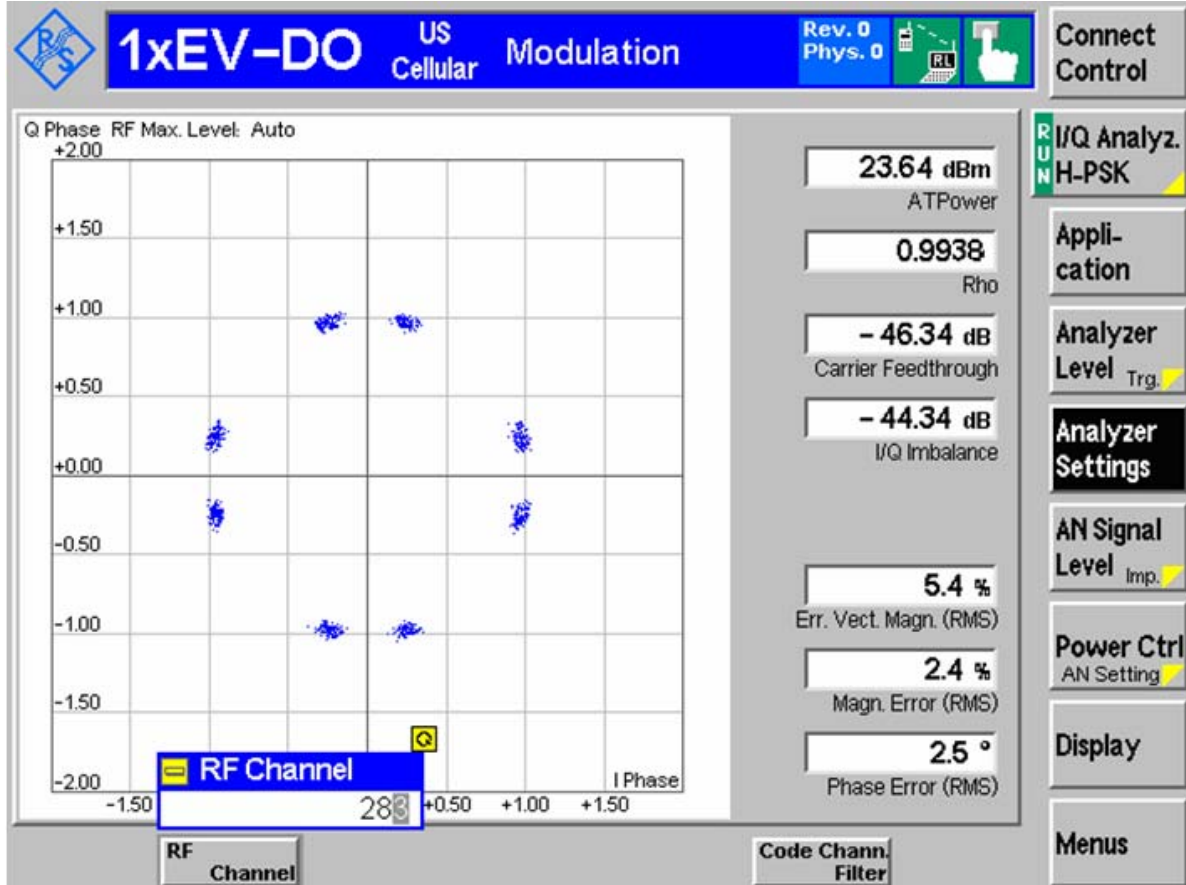


## Channel 283(TM3)





## Channel 283 (Subtype 0) (HPSK)

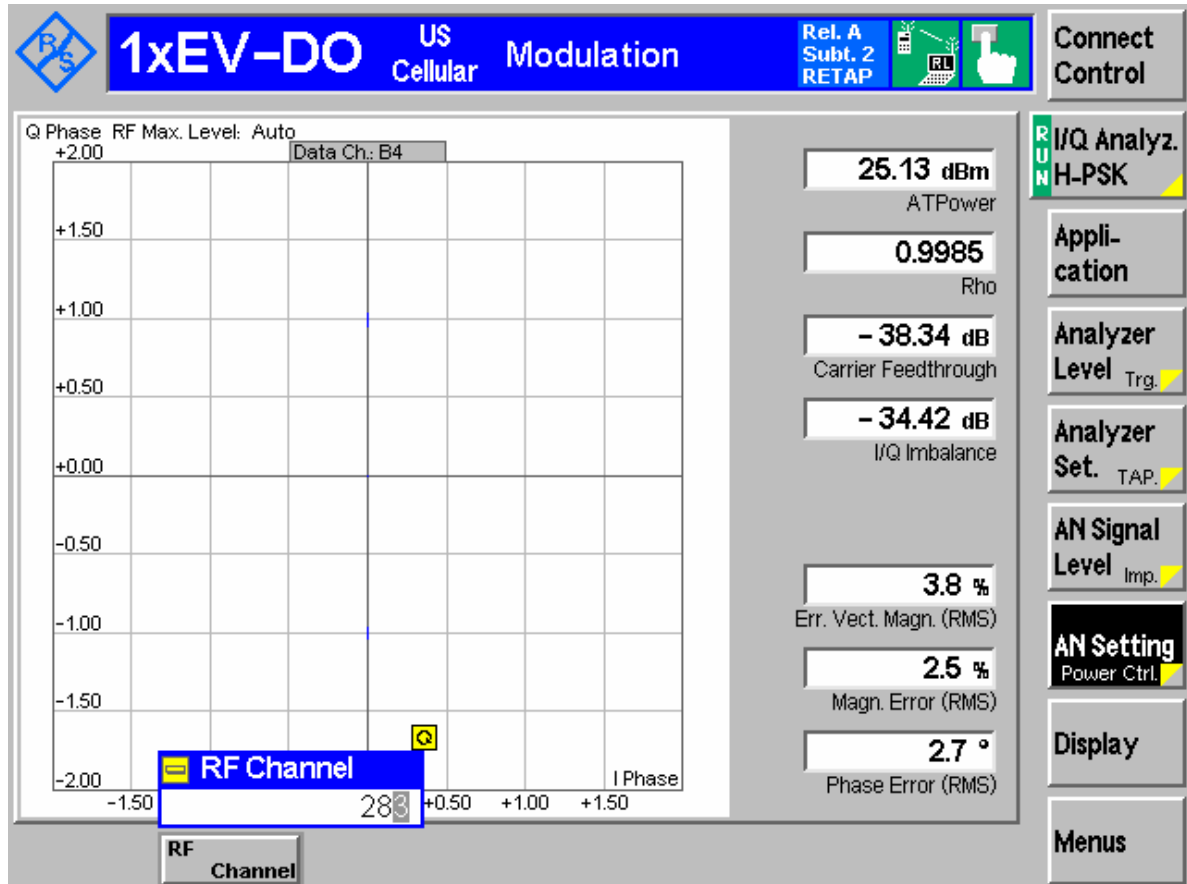




## Channel 283 (Subtype 2)

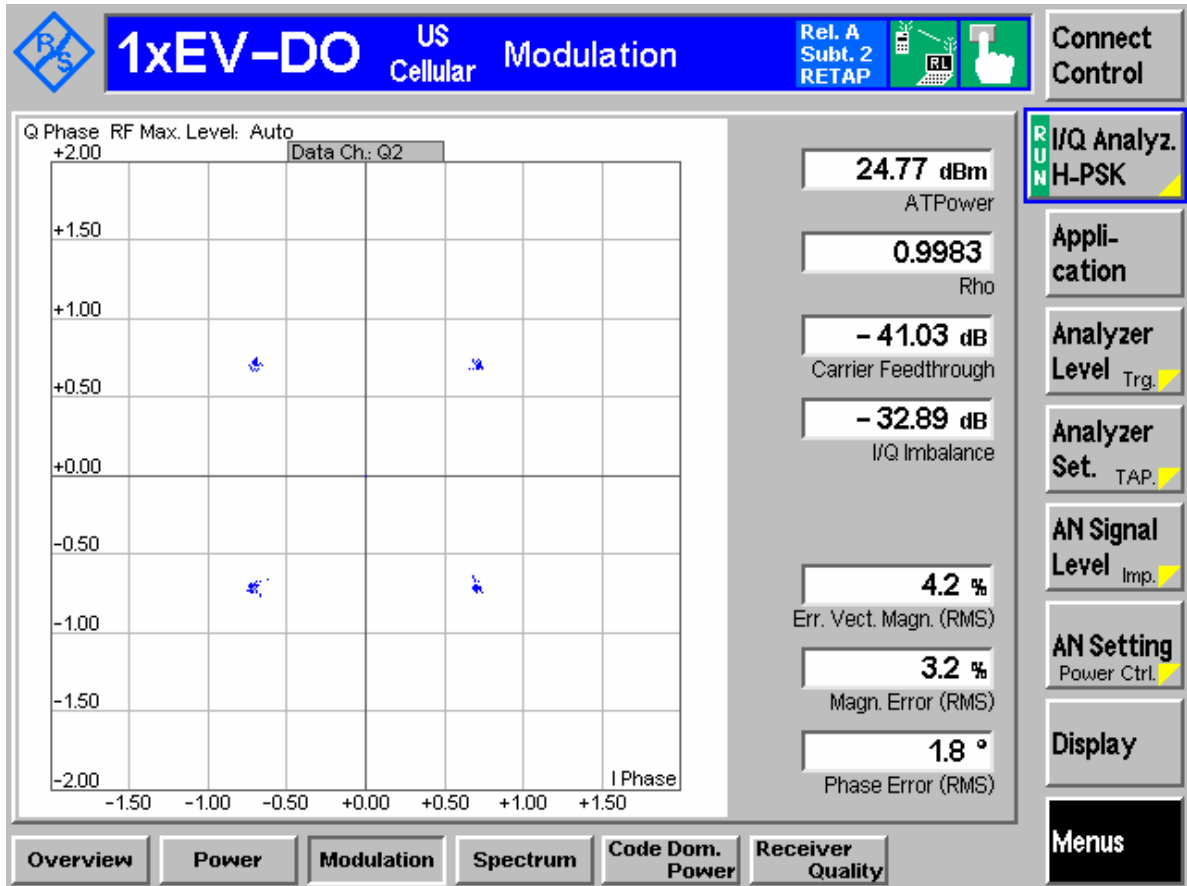
The R-Data packet size determines the modulation format:

R-Data Pkt Size (256 bits) (BPSK)



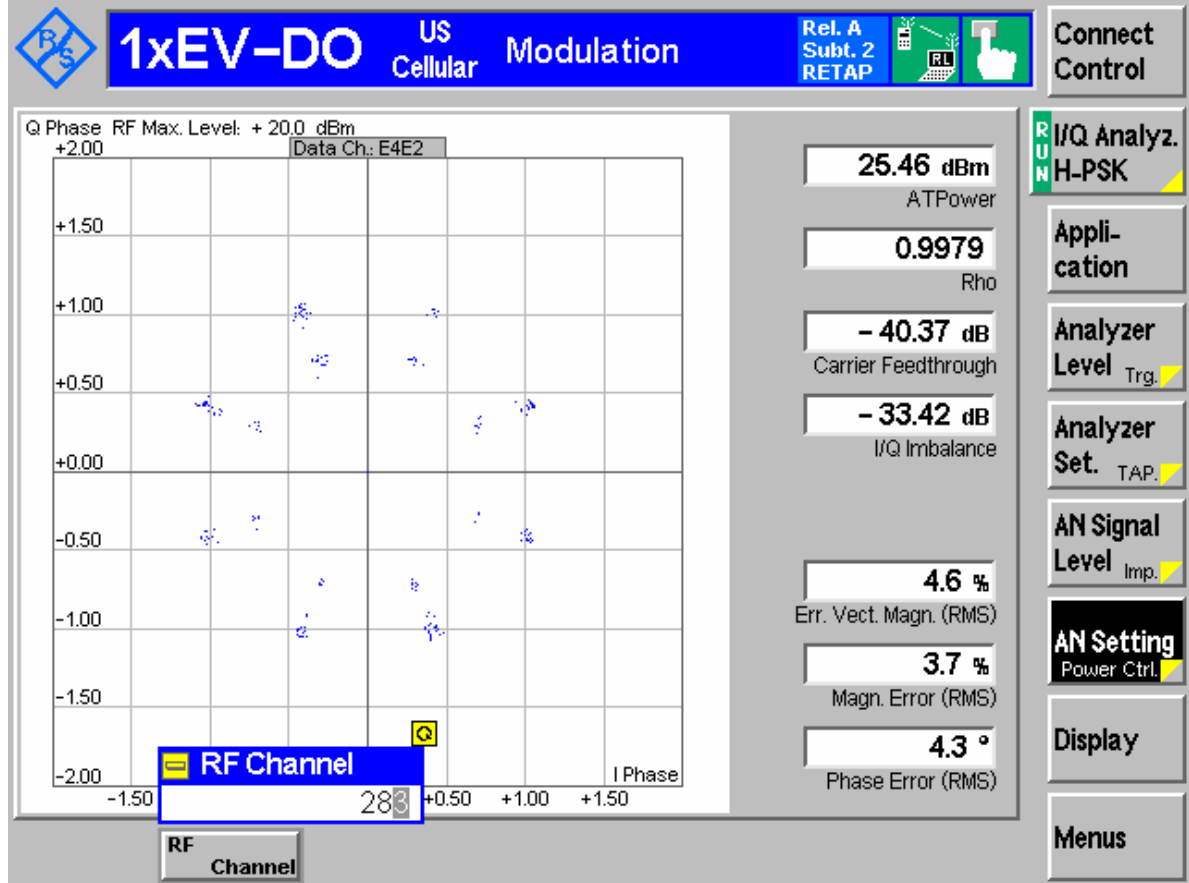


R-Data Pkt Size (4096 bits) (QPSK)





R-Data Pkt Size (12288 bits) (8PSK)





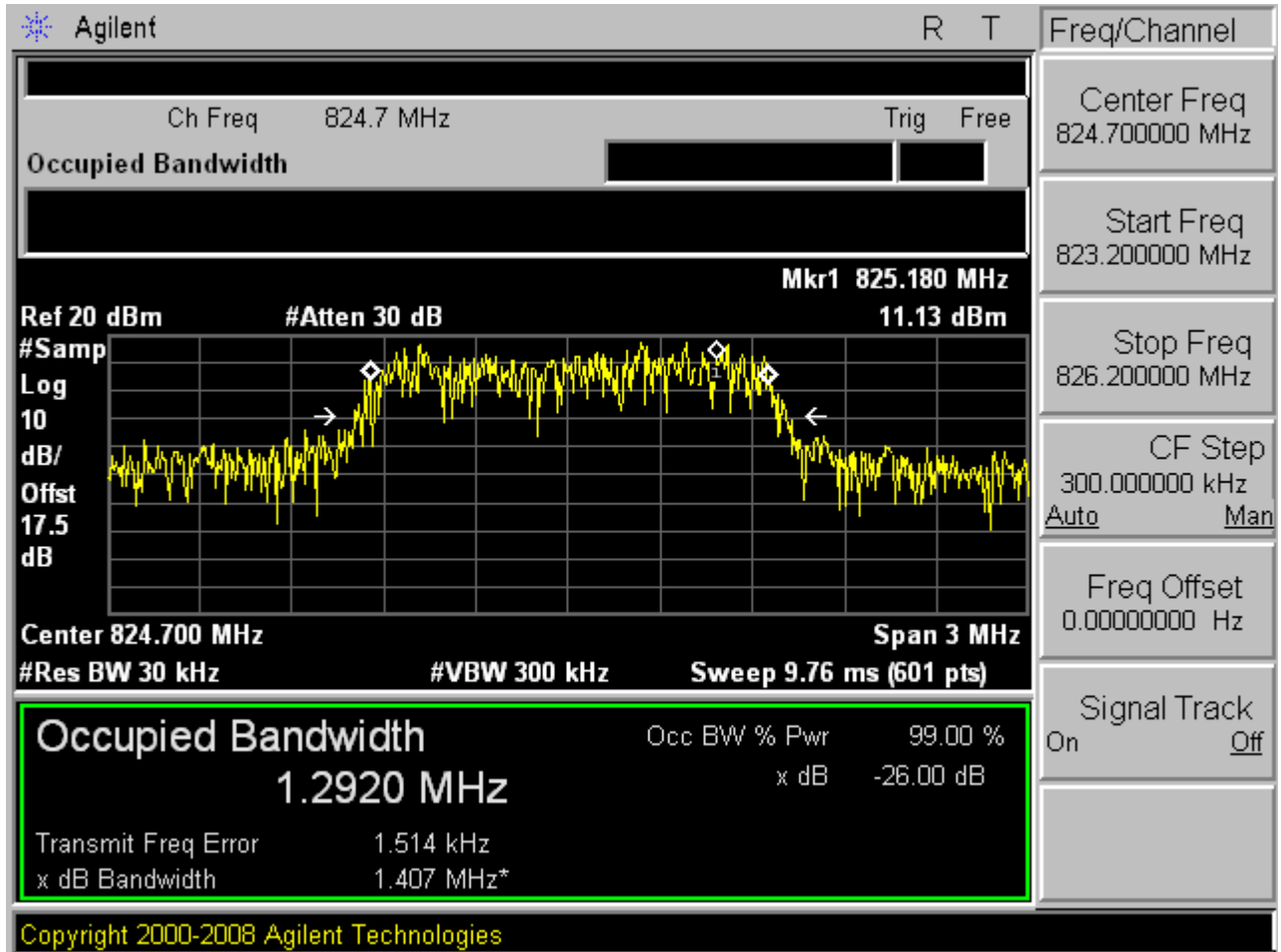
# **Appendix B**

## **Occupied Bandwidth** According to FCC Part 2.1049 & Part 22 Subpart H



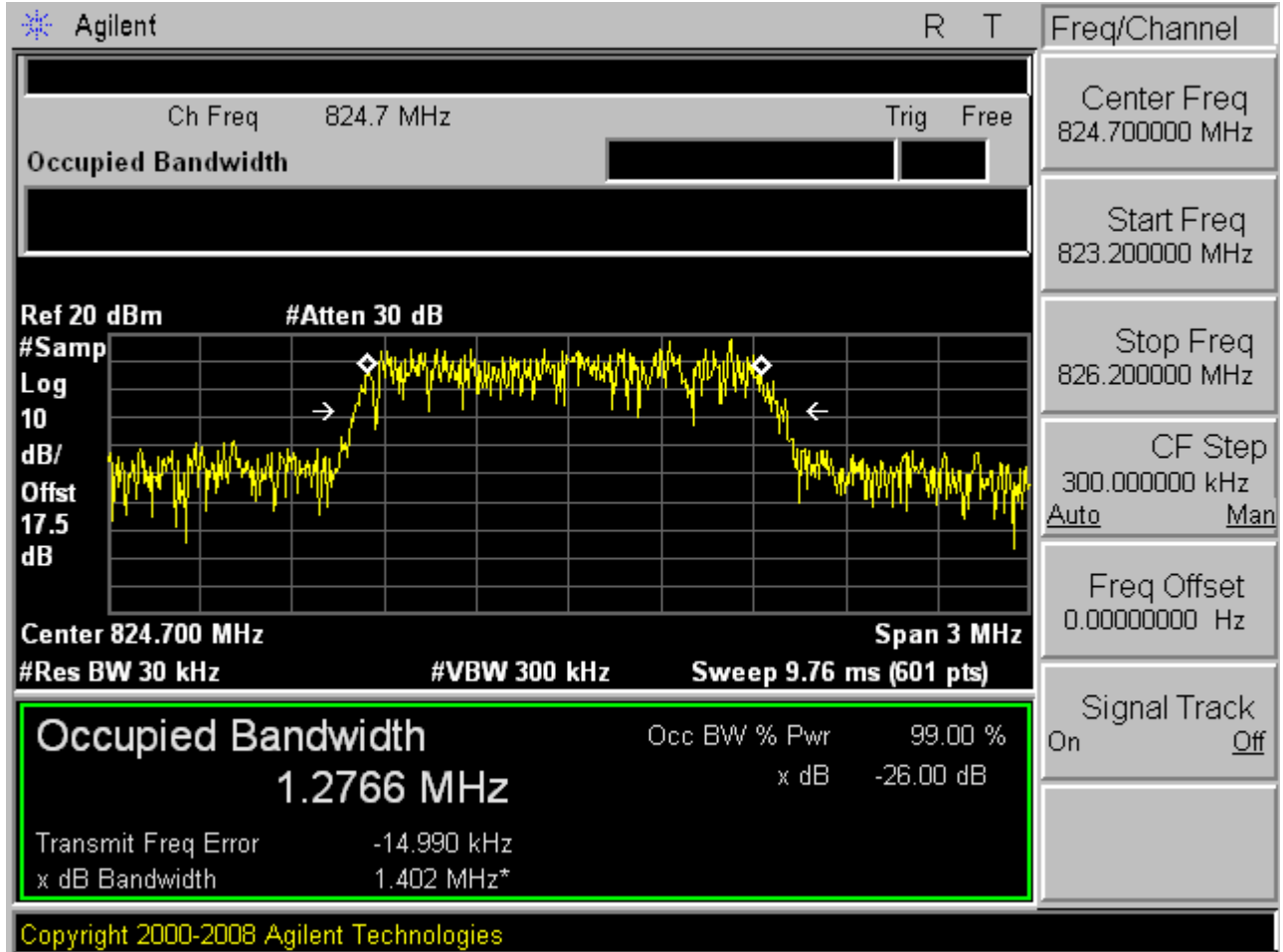


## Channel 1013 (TM1)



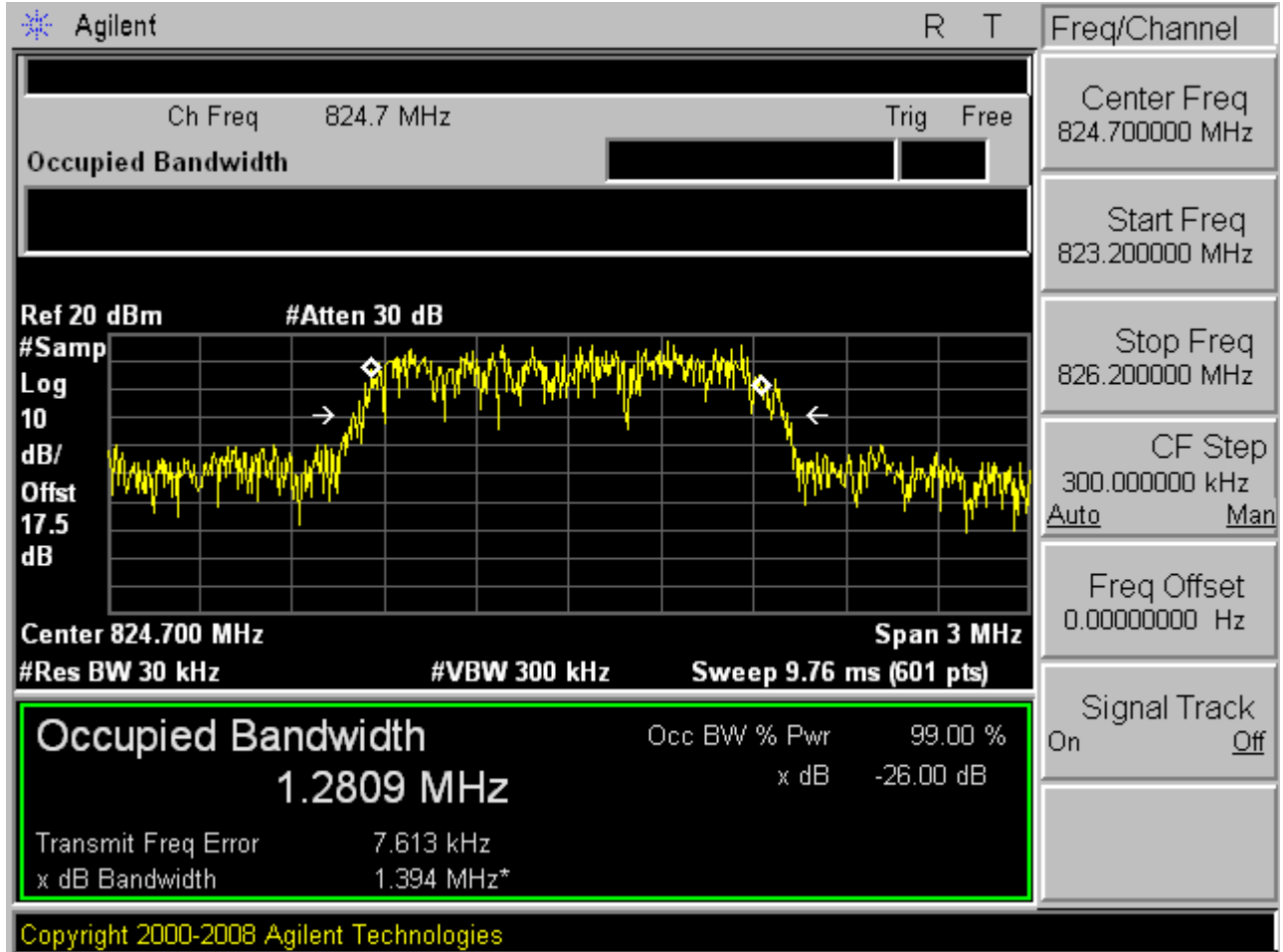


## Channel 1013 (TM3)



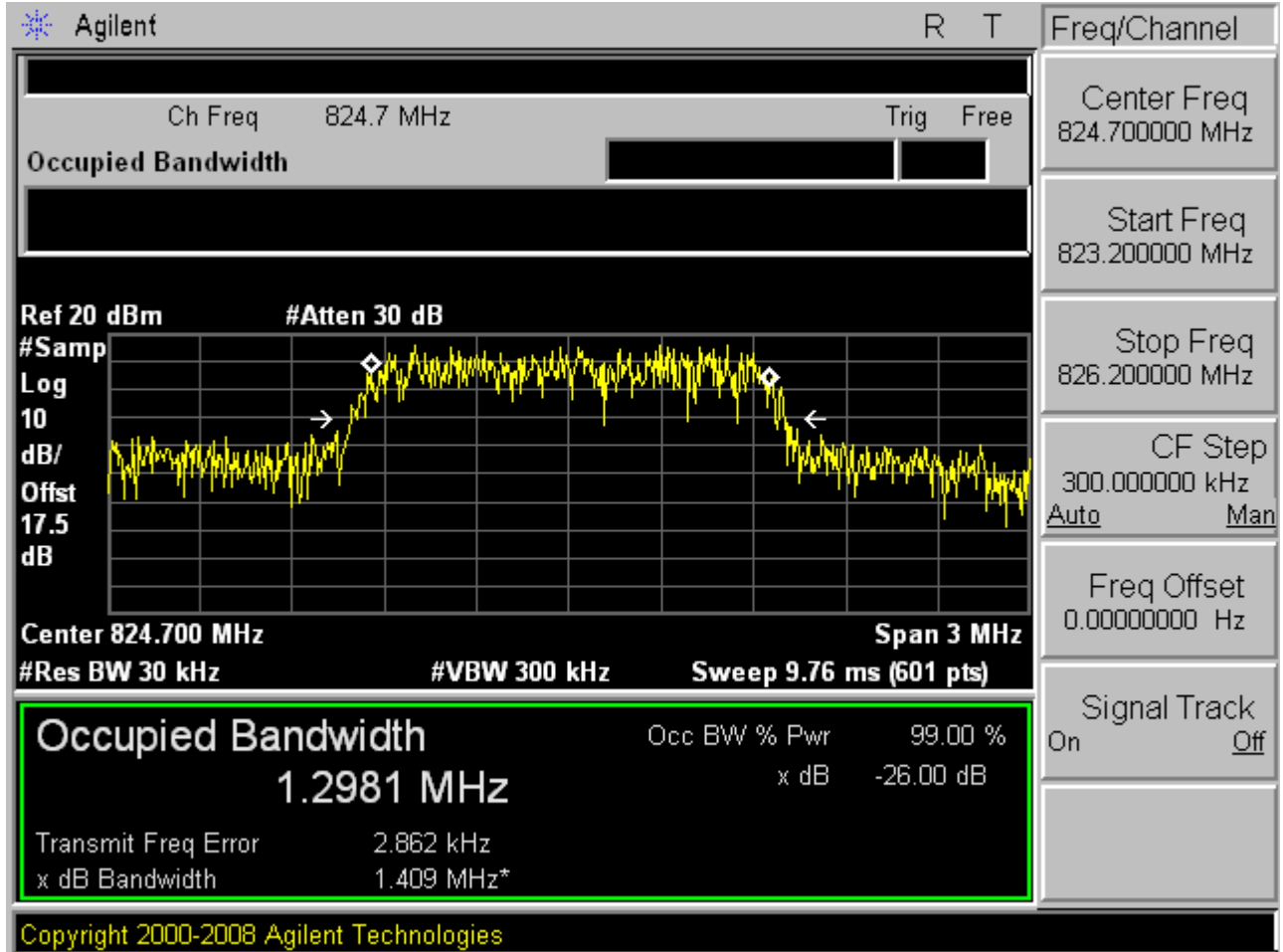


## Channel 1013 (EVDO subtype 0)



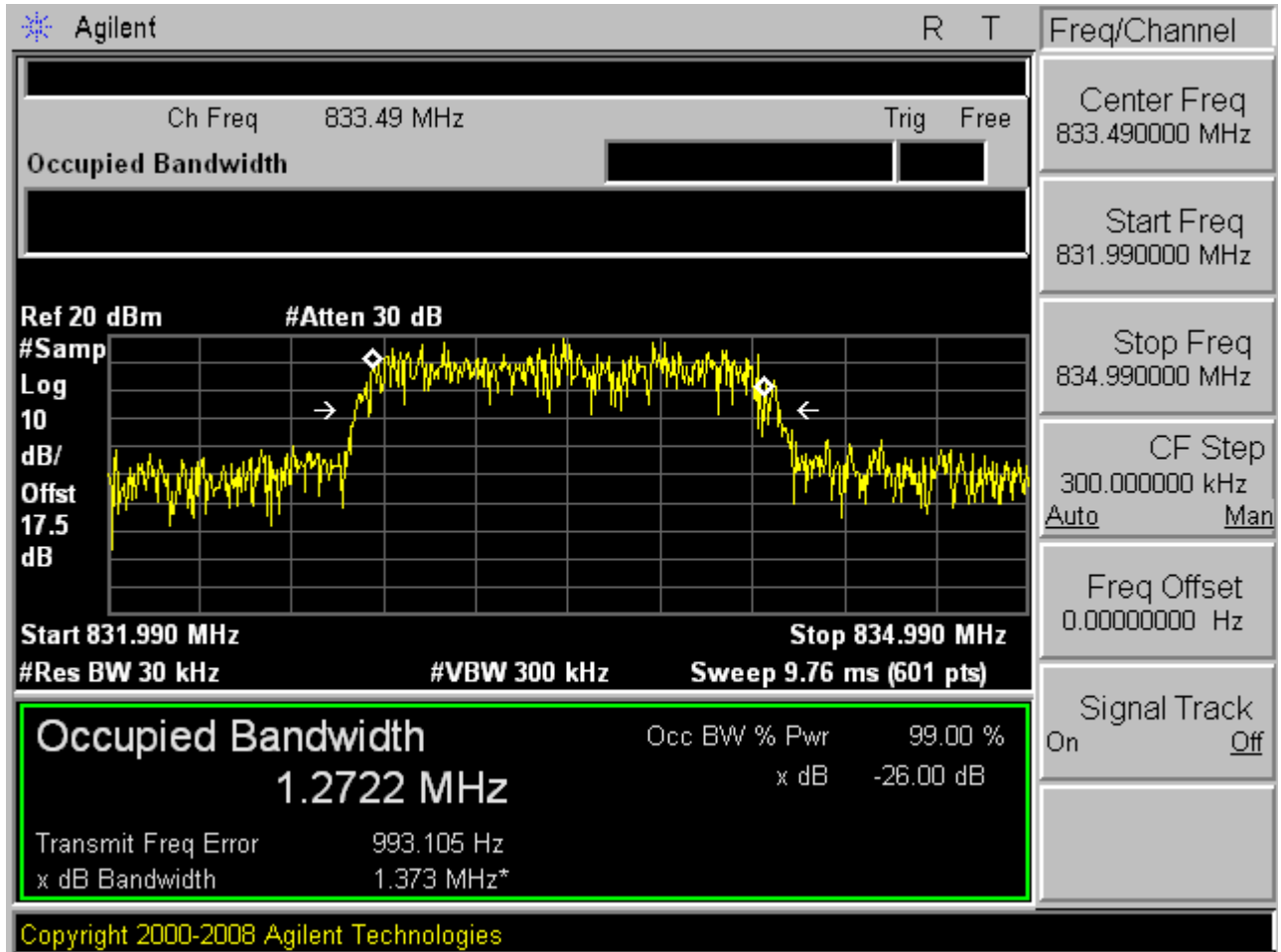


## Channel 1013 (EVDO subtype 2)



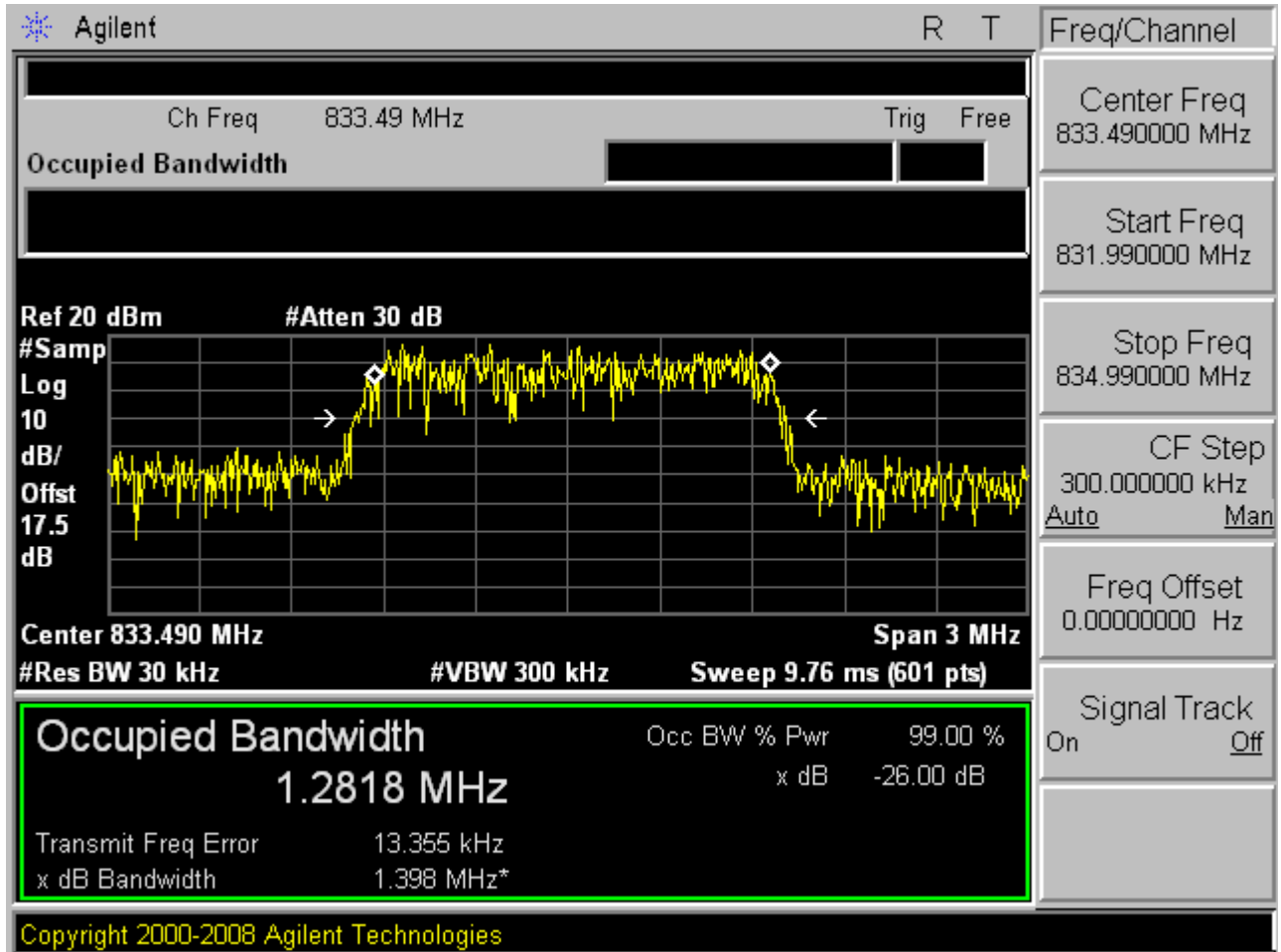


## Channel 283 (TM1)



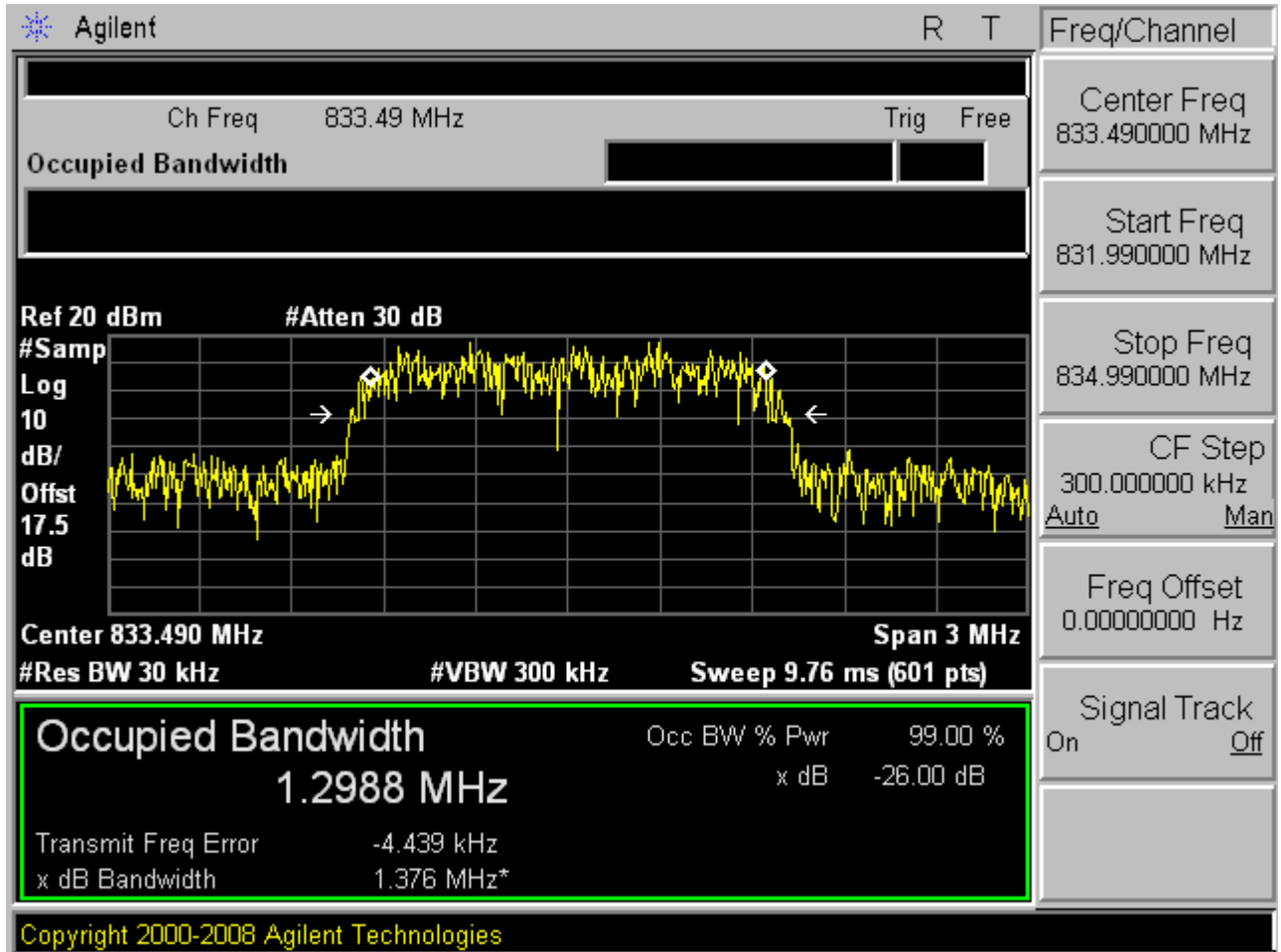


## Channel 283 (TM3)



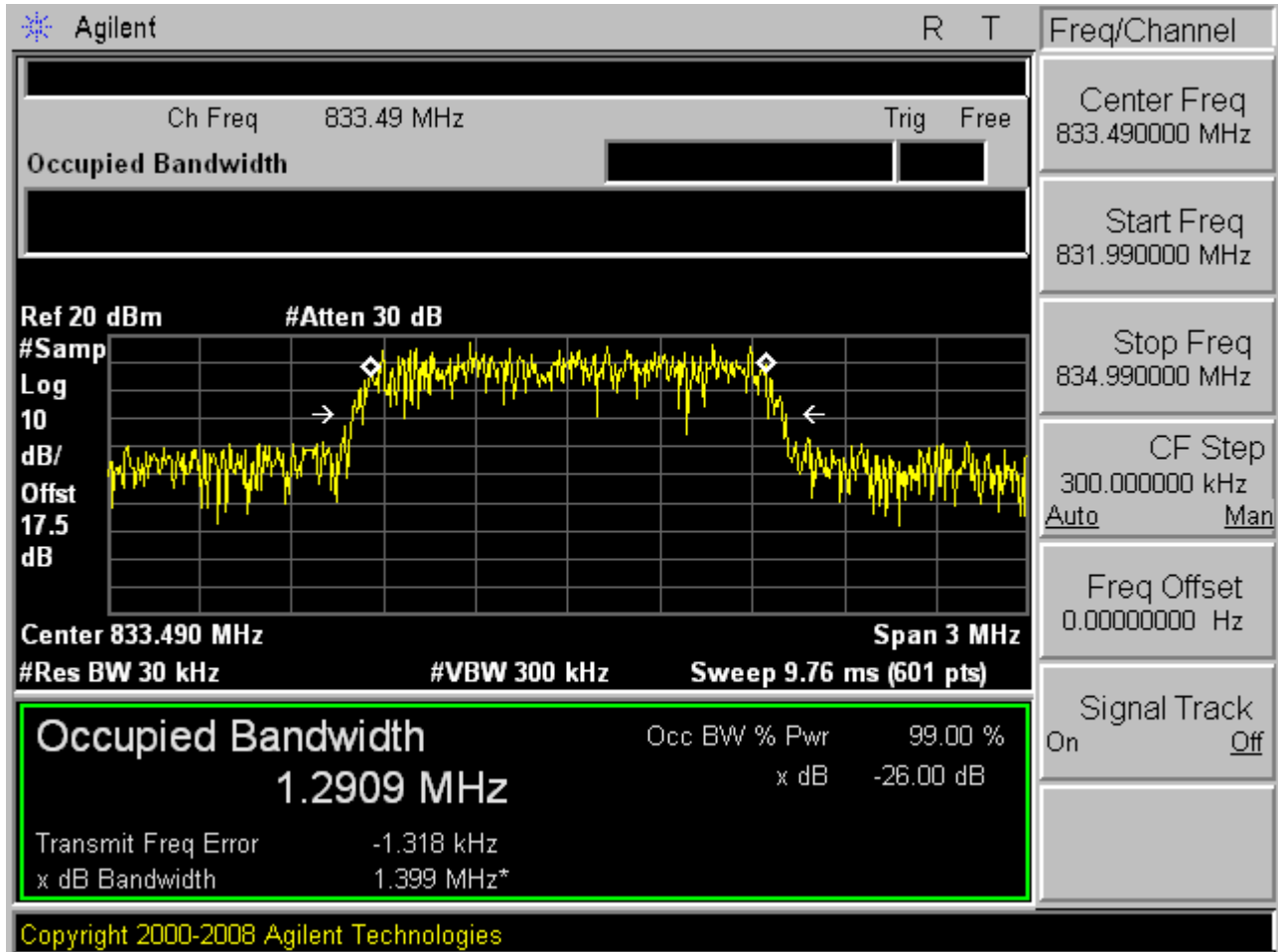


## Channel 283 (EVDO release 0)





## Channel 283 (EVDO subtype 2)







### Channel 777 (TM1)

Agilent R T

Ch Freq 848.31 MHz Trig Free

Occupied Bandwidth [Progress Bar]

Ref 20 dBm #Atten 30 dB

#Samp [ ] Log 10 dB/ Offst 17.5 dB

Start 846.810 MHz Stop 849.810 MHz

#Res BW 30 kHz #VBW 300 kHz Sweep 9.76 ms (601 pts)

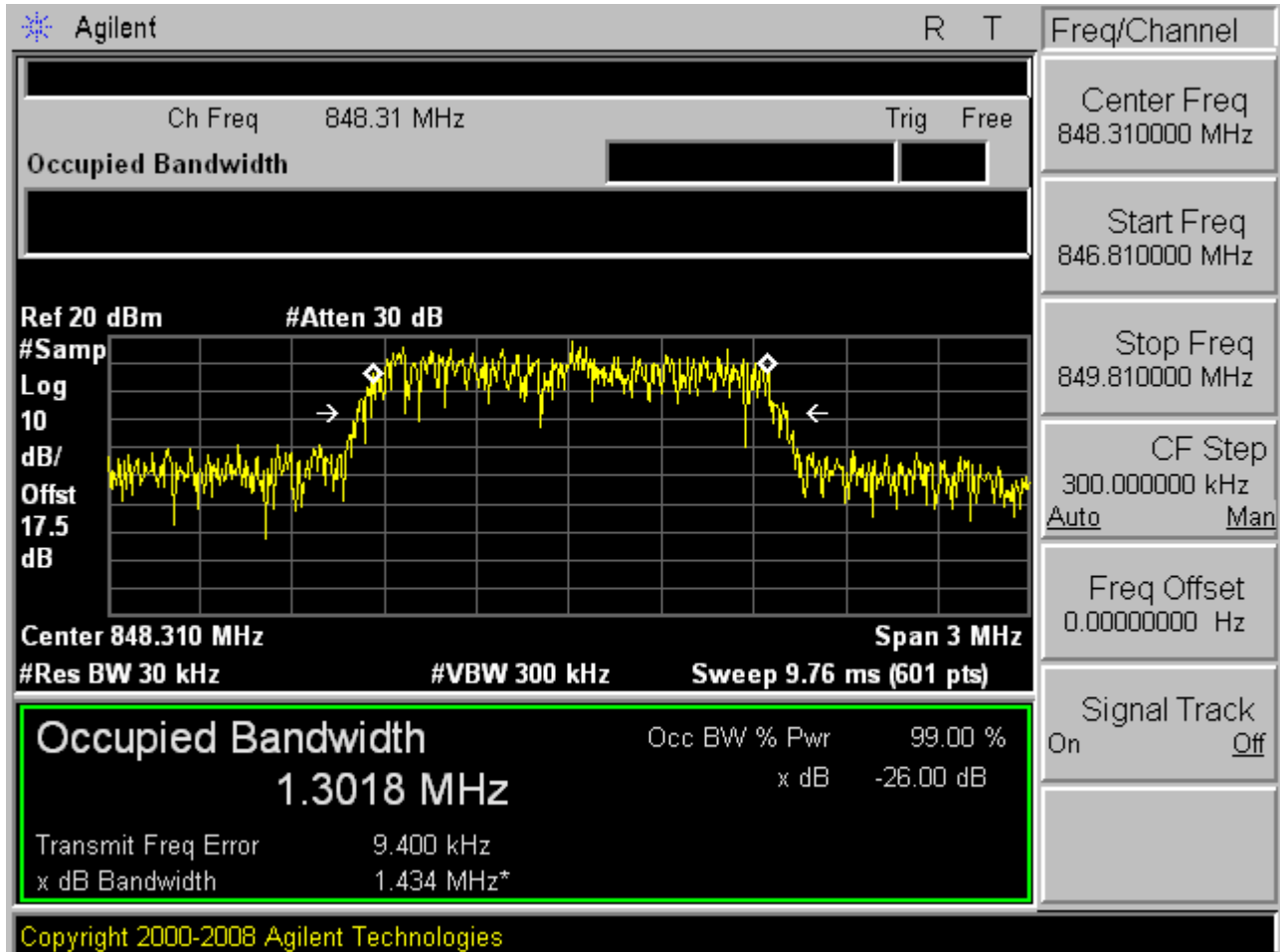
<b>Occupied Bandwidth</b>	Occ BW % Pwr	99.00 %
	x dB	-26.00 dB
Transmit Freq Error	6.875 kHz	
x dB Bandwidth	1.430 MHz*	

Copyright 2000-2008 Agilent Technologies

Freq/Channel	
Center Freq	848.310000 MHz
Start Freq	846.810000 MHz
Stop Freq	849.810000 MHz
CF Step	300.000000 kHz
	<u>Auto</u> <u>Man</u>
Freq Offset	0.00000000 Hz
Signal Track	<u>On</u> <u>Off</u>

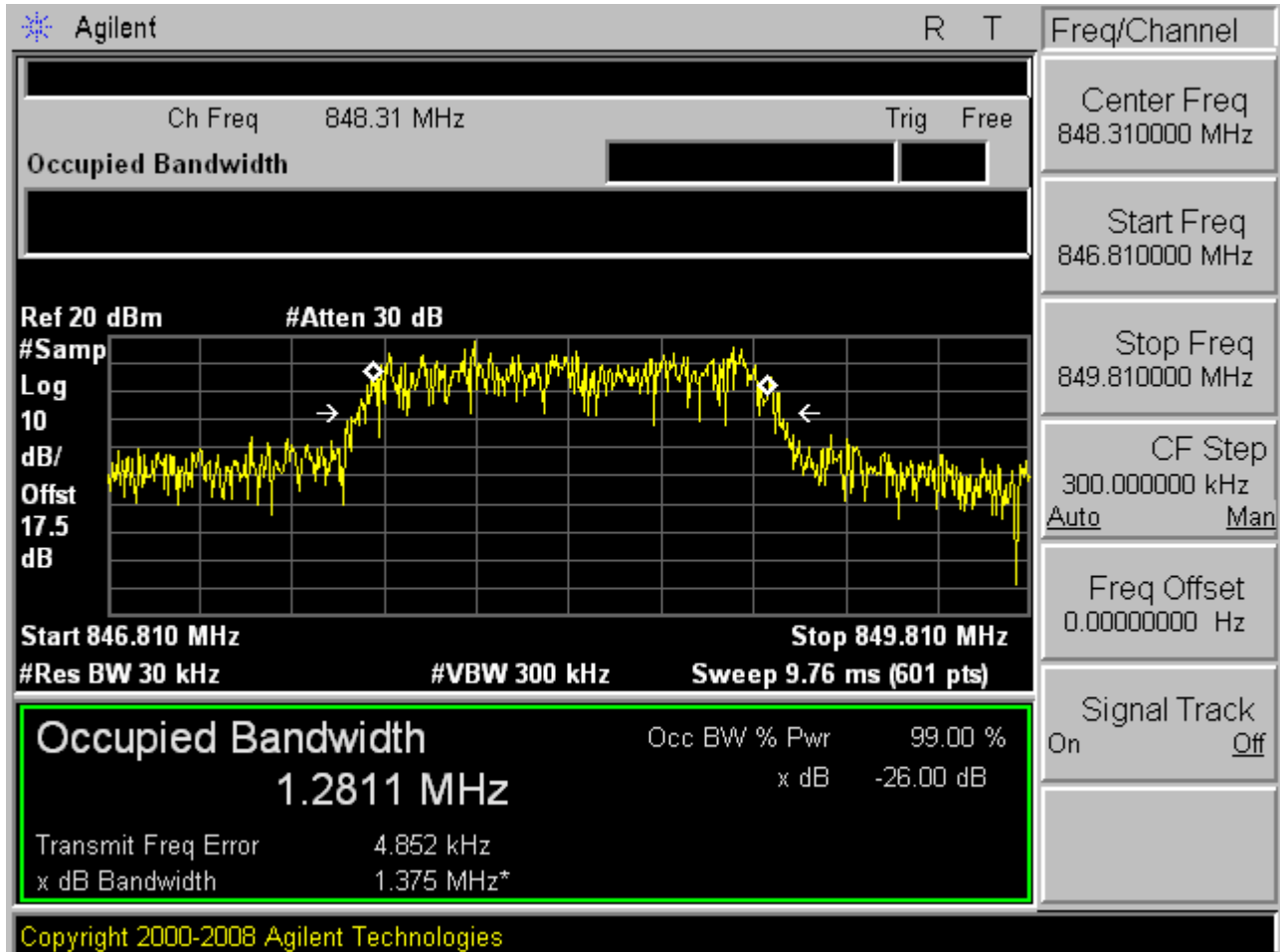


## Channel 777 (TM3)



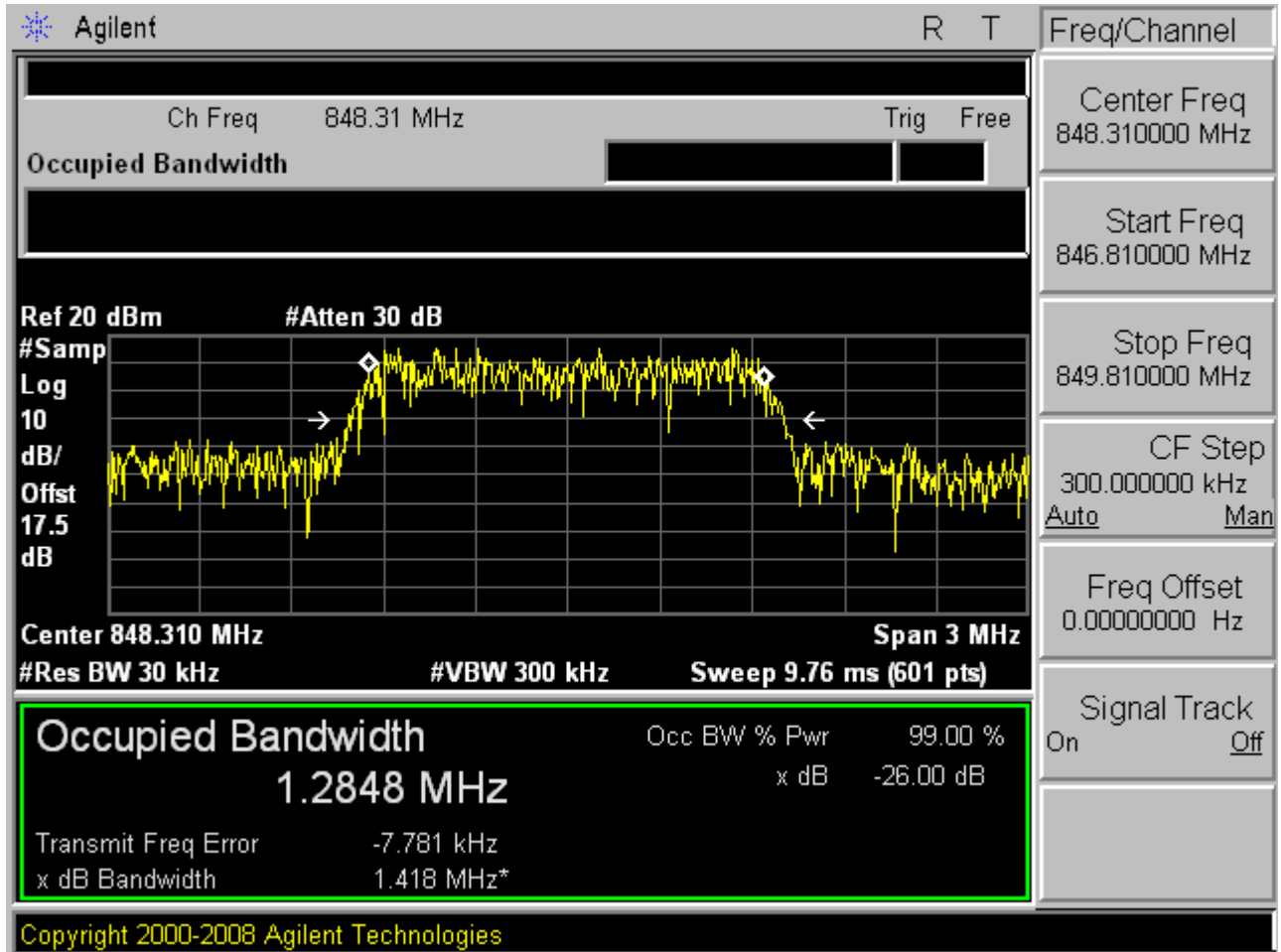


## Channel 777 (EVDO subtype 0)





## Channel 777 (EVDO subtype 2)





## **Appendix C**

### **Band Edges Compliance** According to FCC Part 2.1051 & 22.917

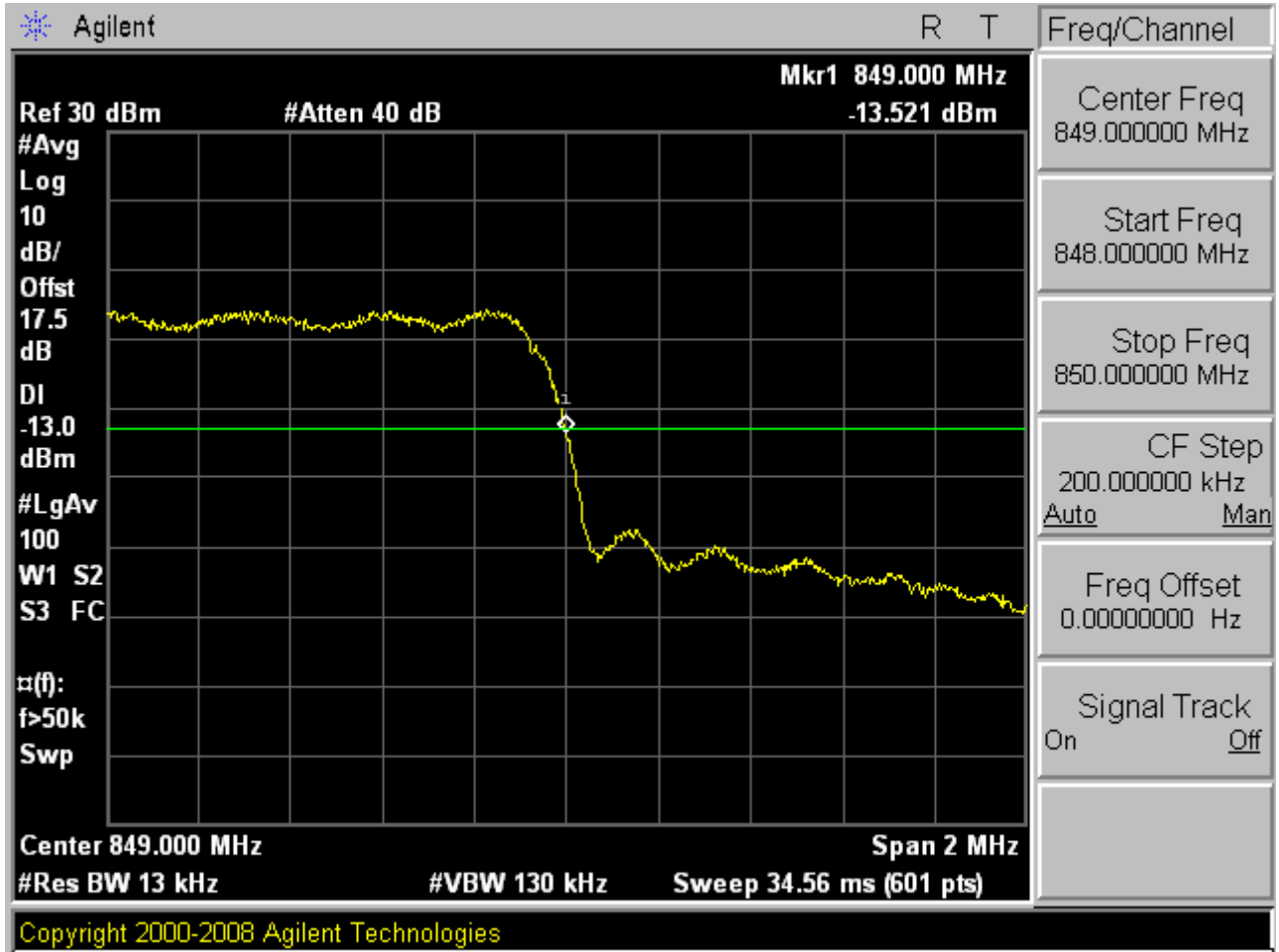


# TM1 Left Edge Channel 1013



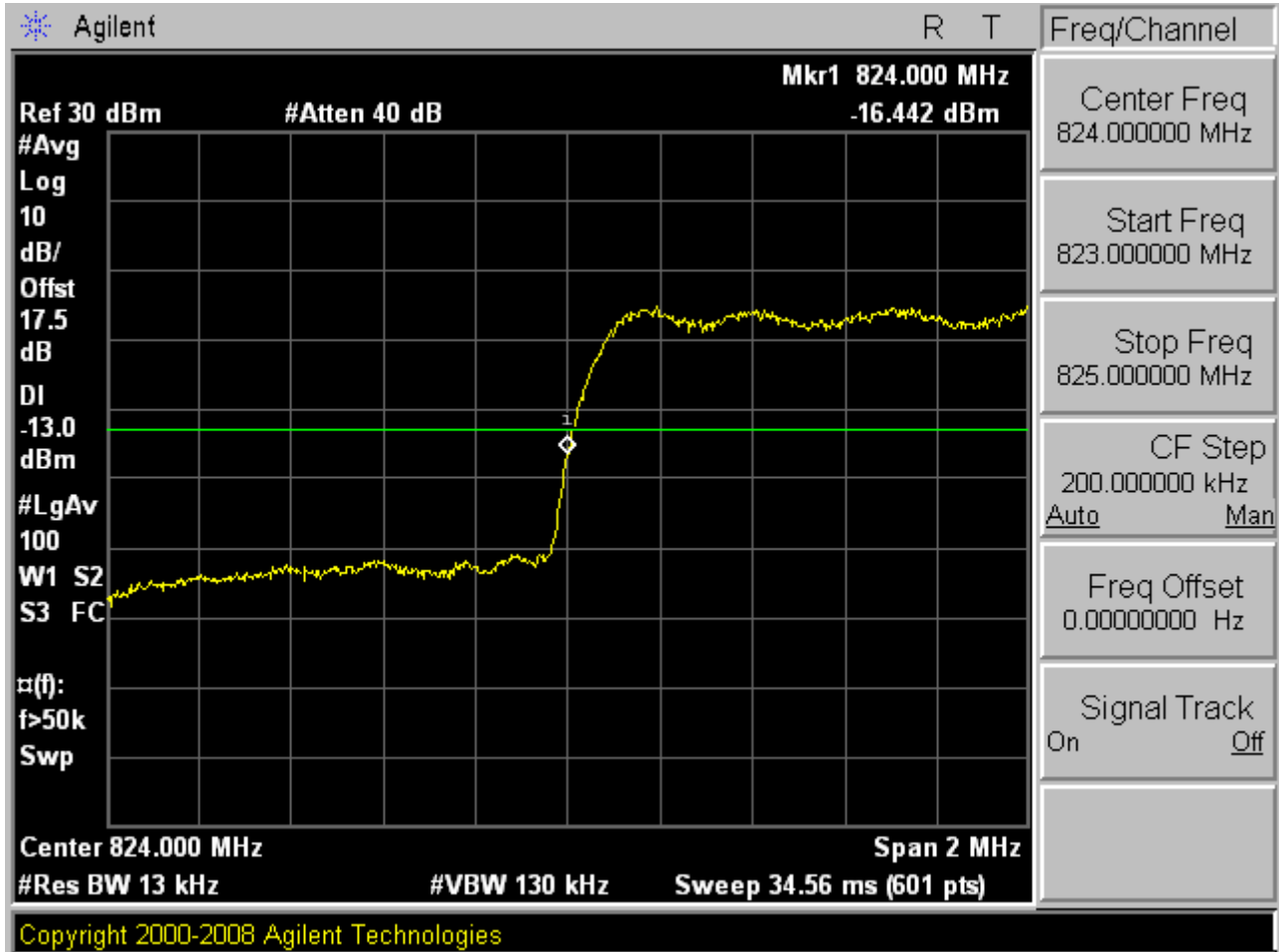


## Right Edge Channel 777





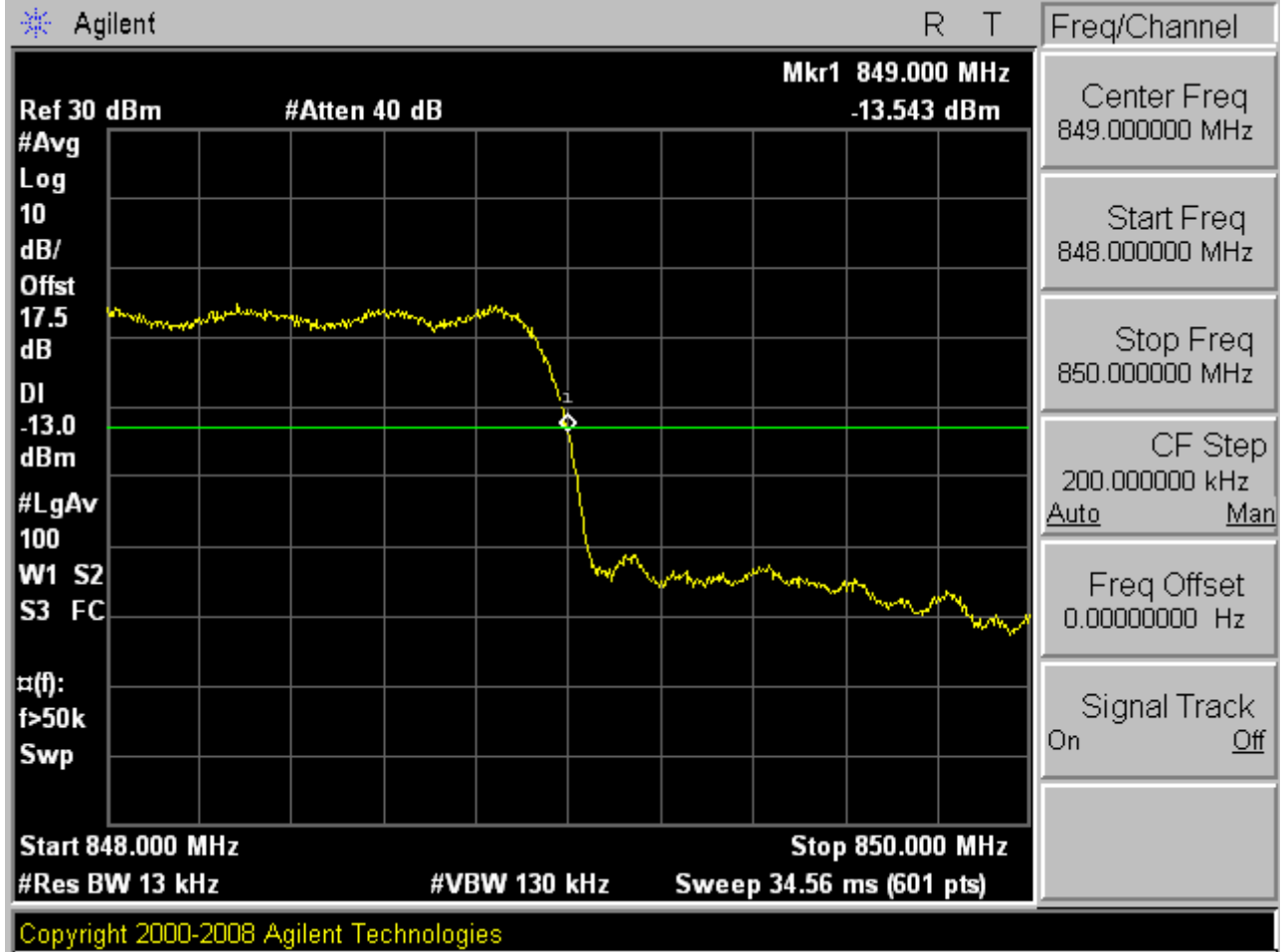
## TM3 Left Edge Channel 1013







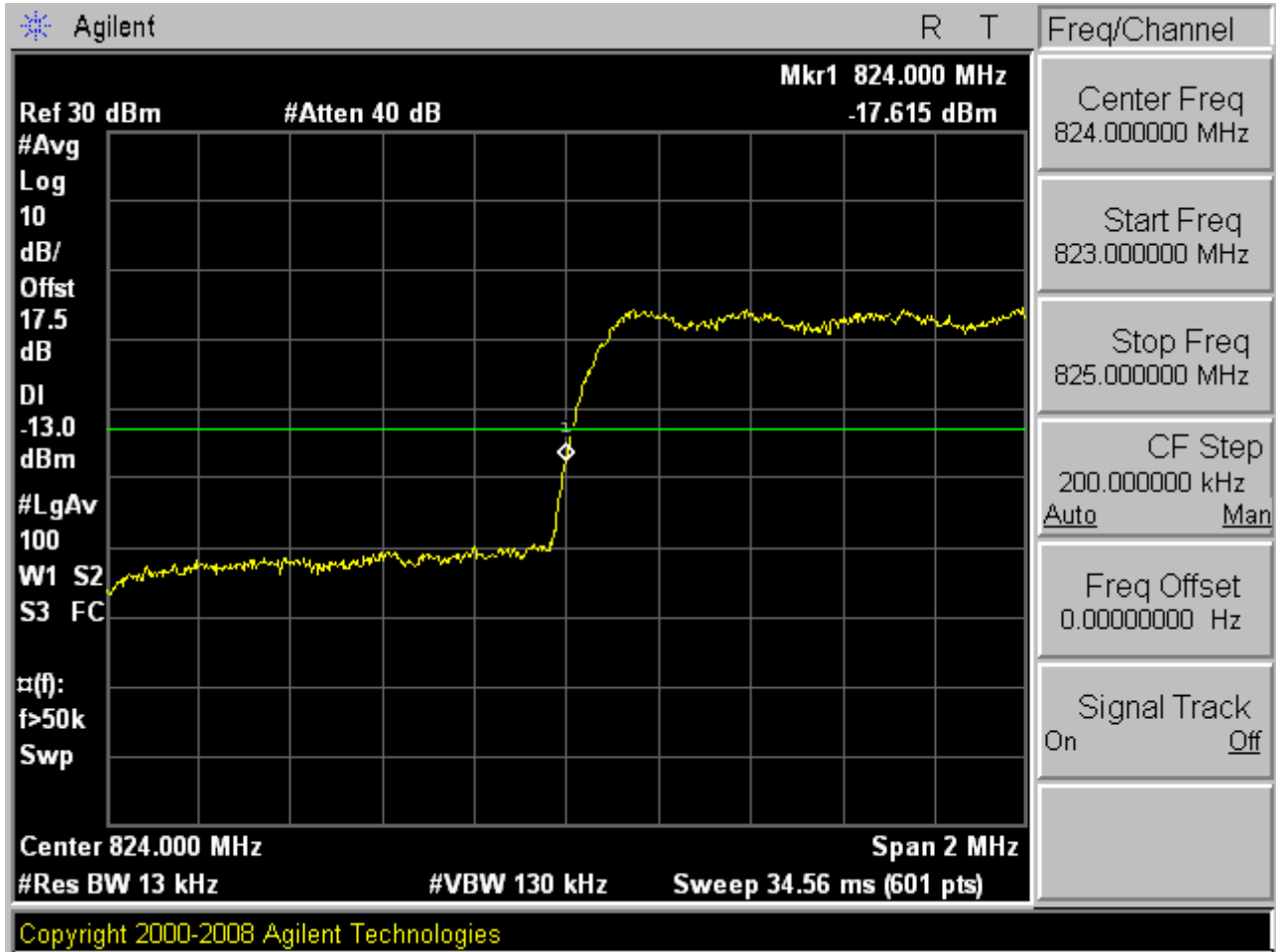
### Right Edge Channel 777





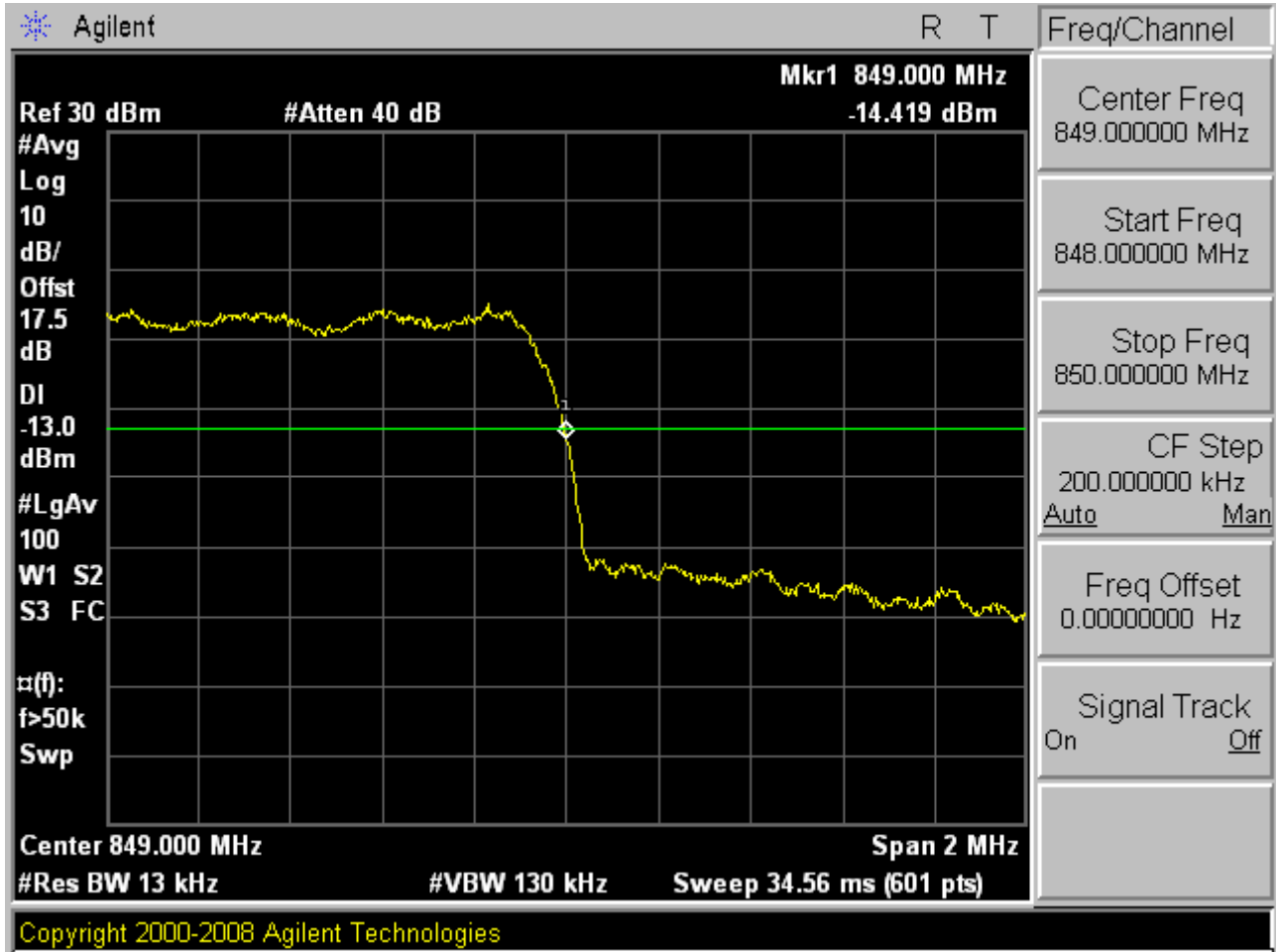
# EVDO Subtype 0

## Left Edge (824 MHz) Channel 1013





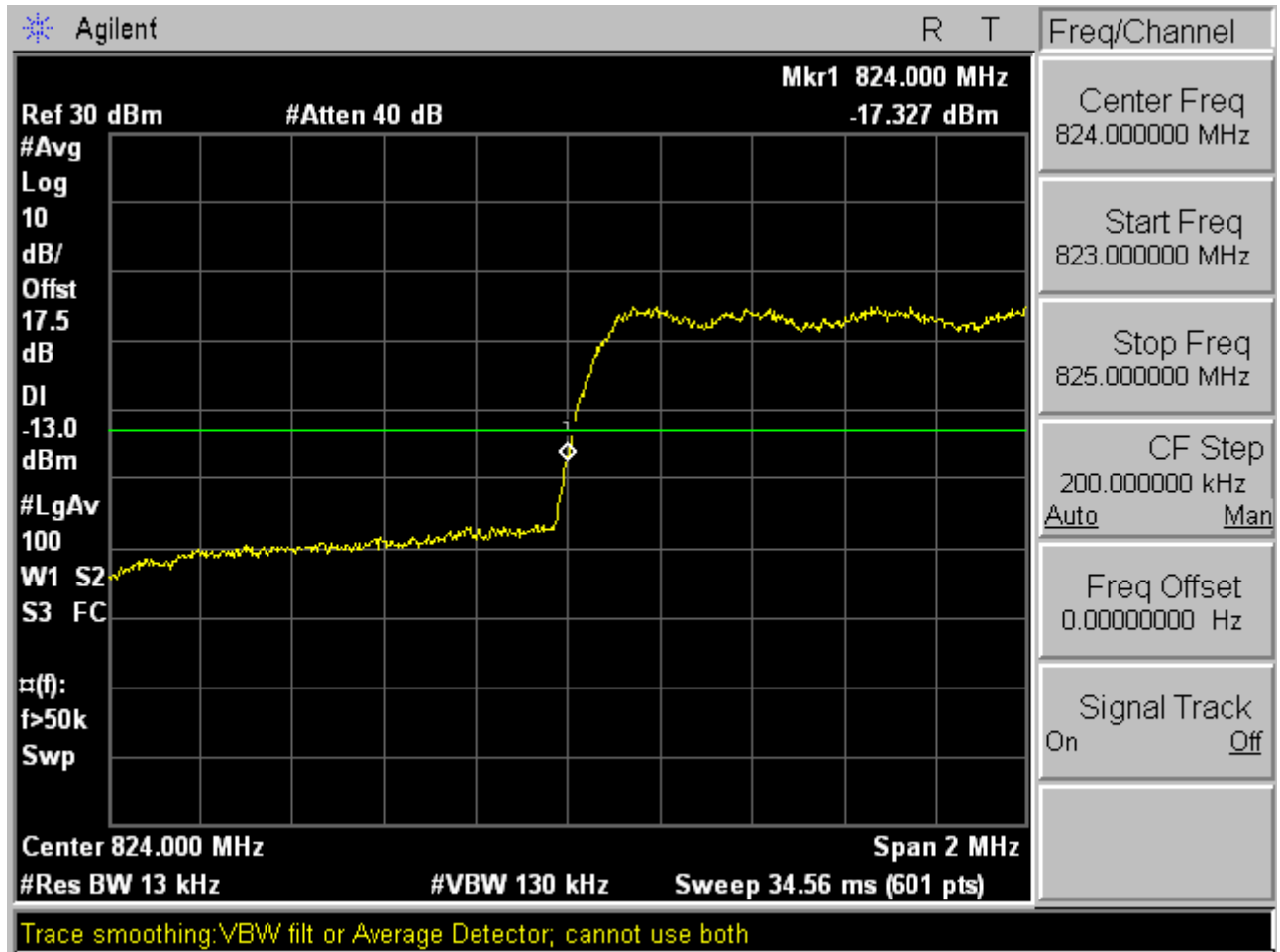
## Right Edge Channel 777





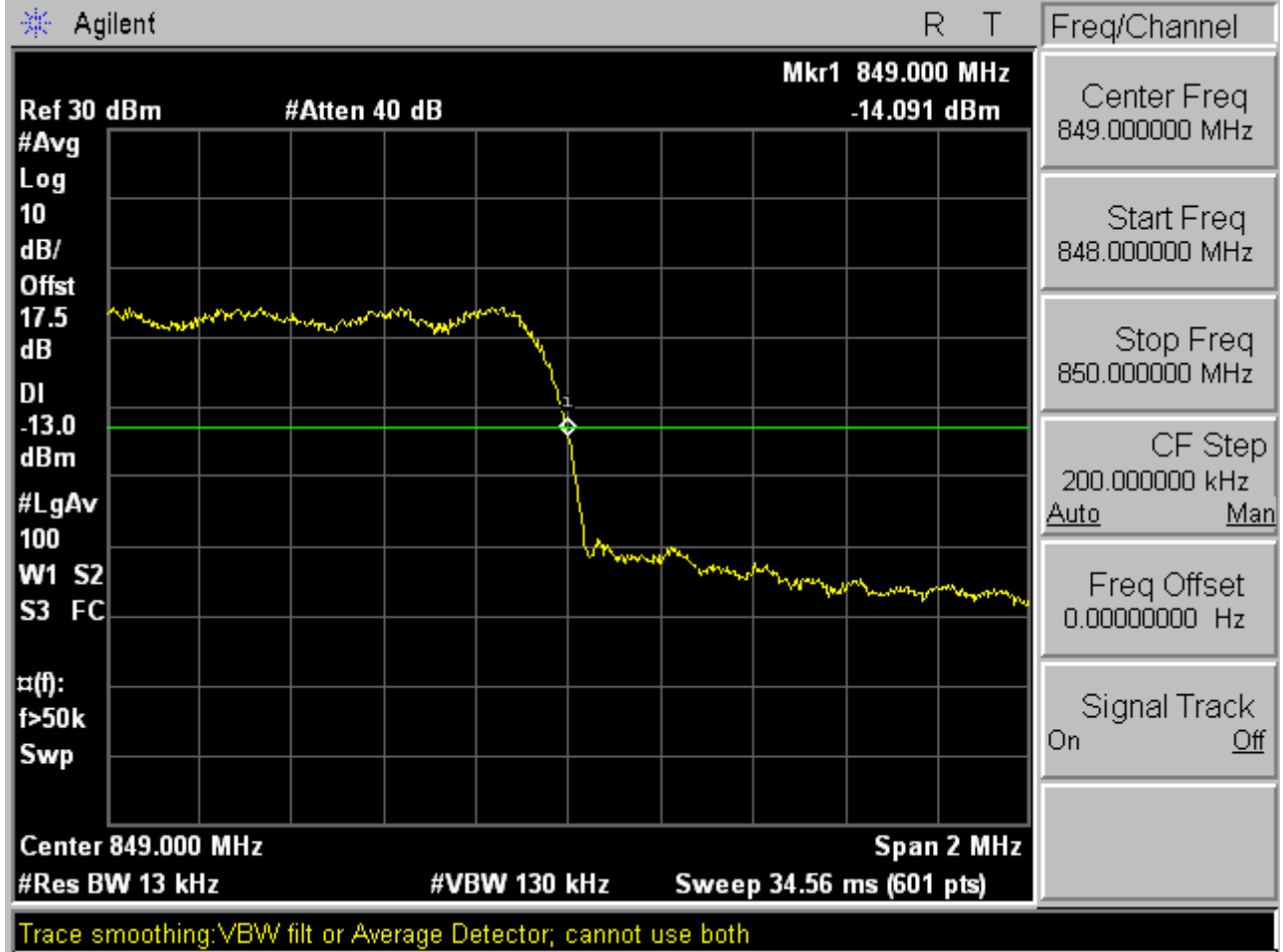
# EVDO Subtype 2

## Modulation: HPSK Left Edge Channel 1013



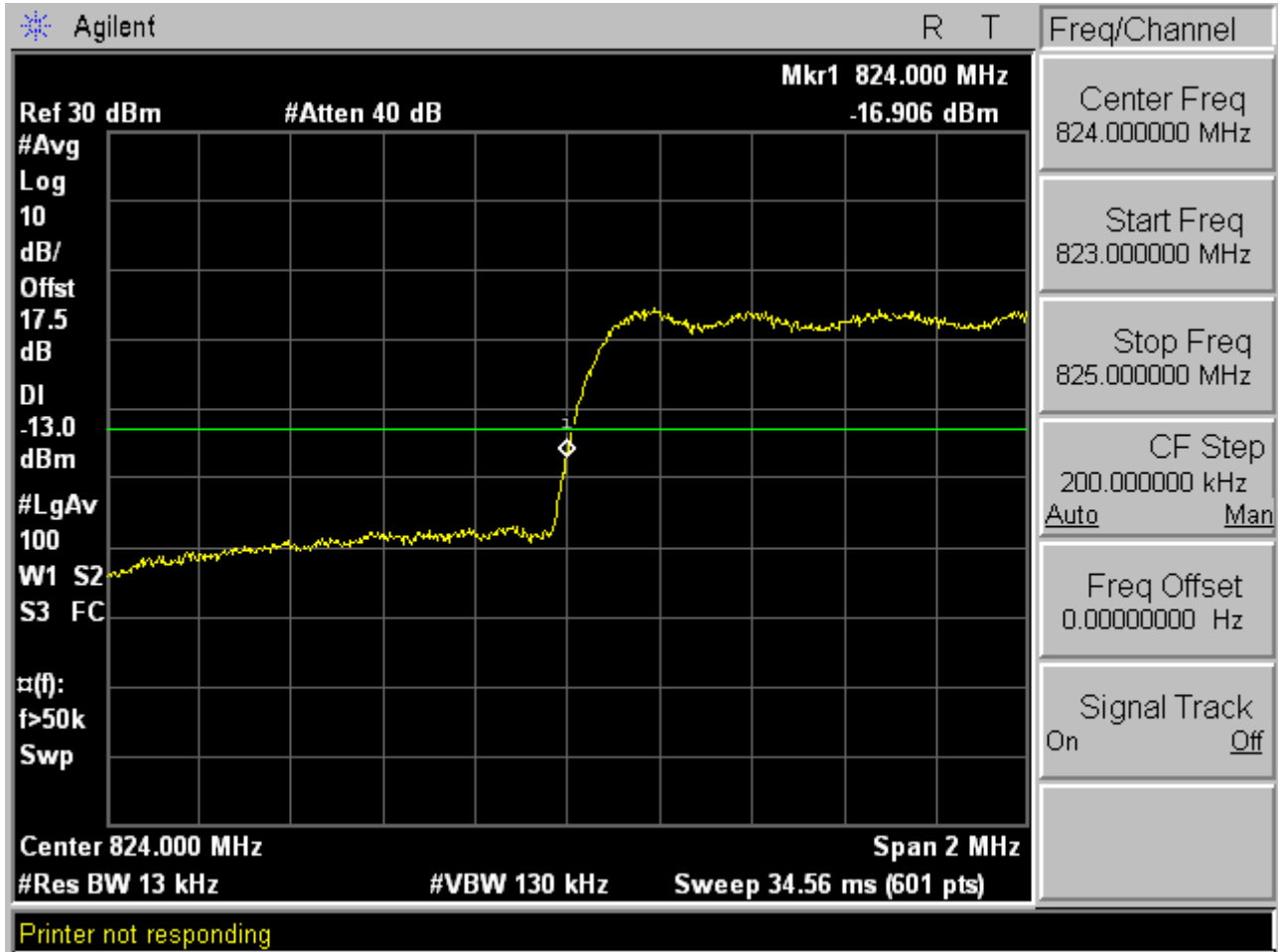


### Right Edge Channel 777



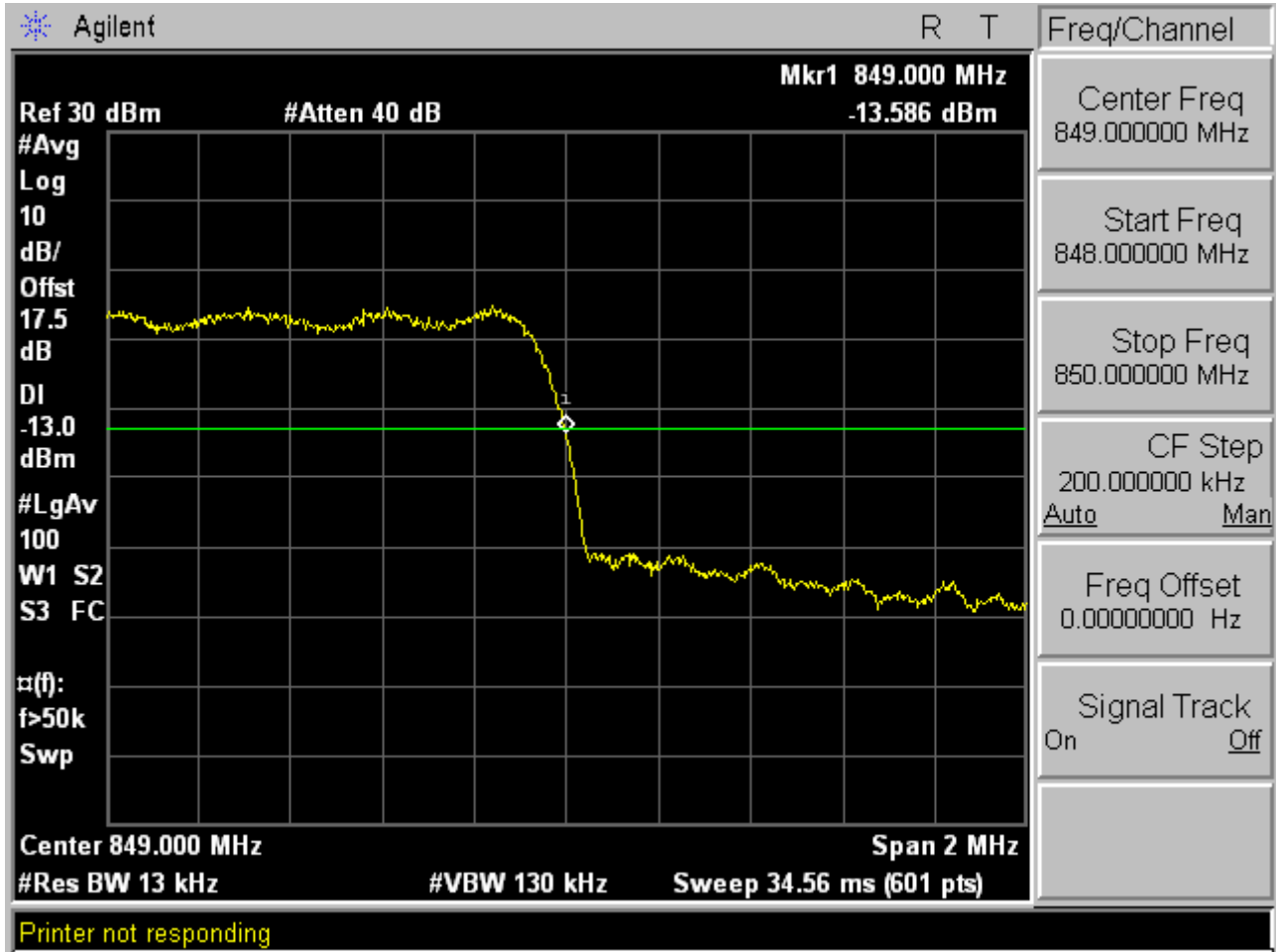


**Modulation: QPSK**  
**Left Edge (824 MHz)**  
**Channel 1013**



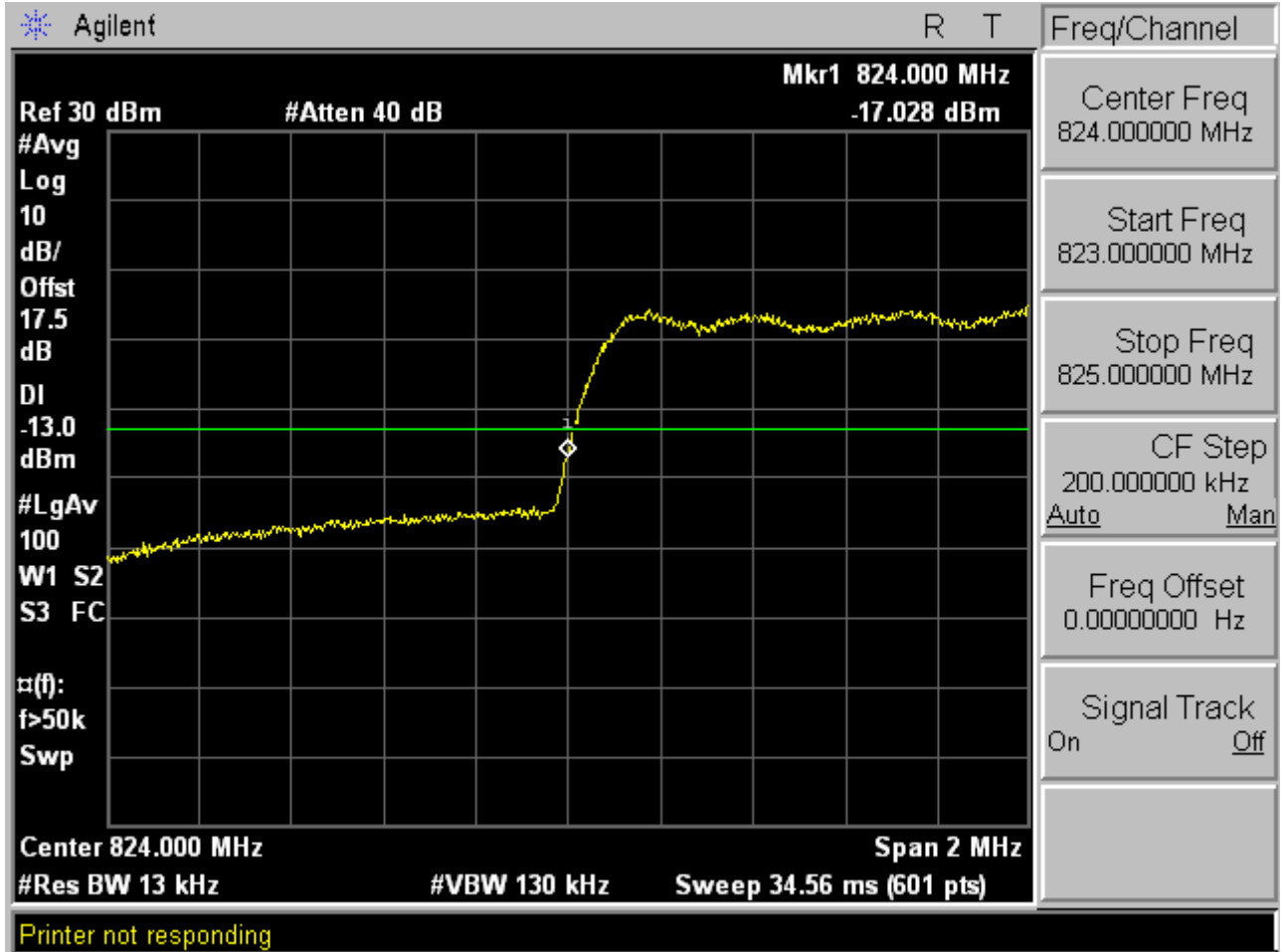


## Right Edge Channel 777





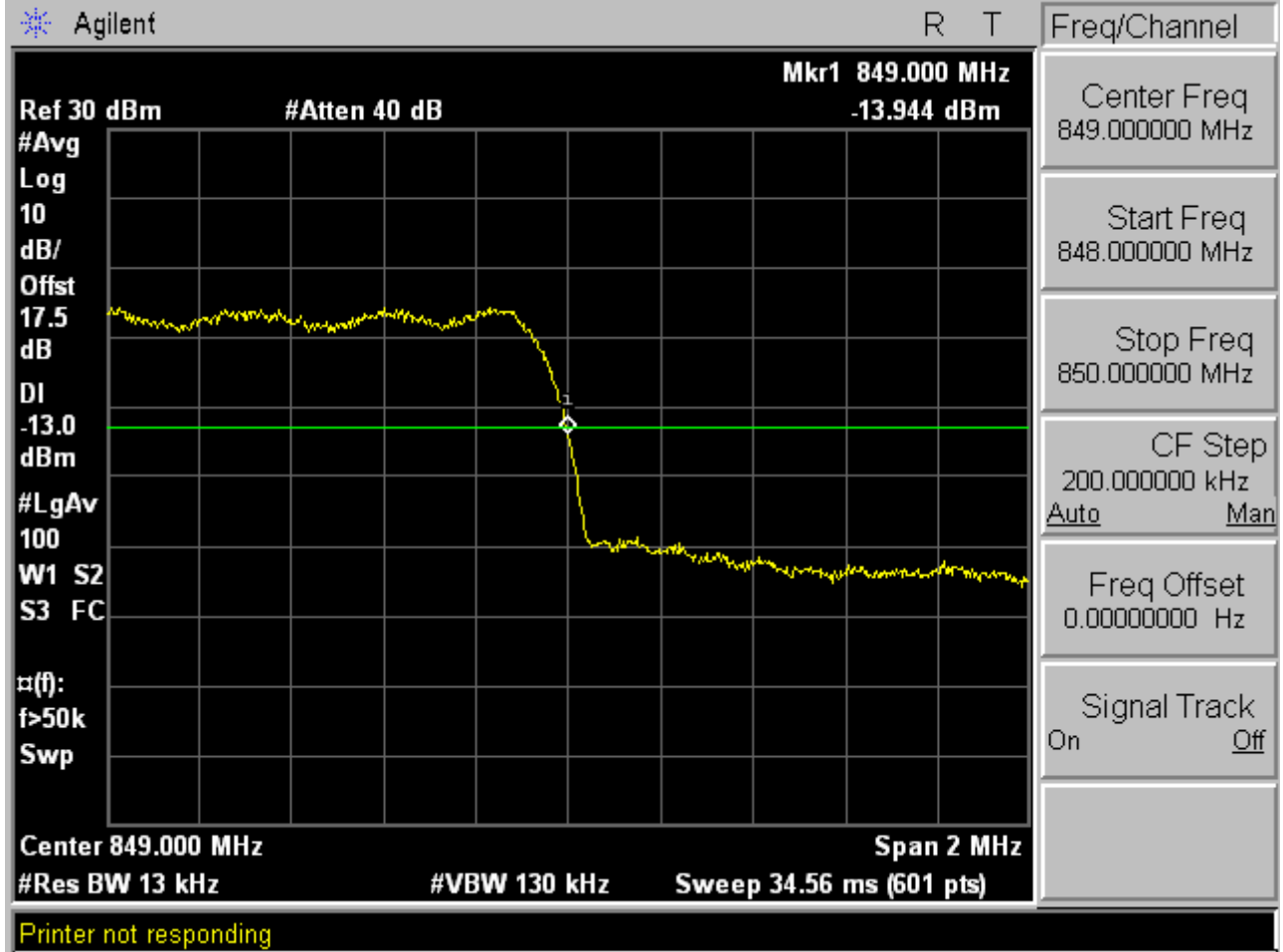
**Modulation: 8PSK**  
**Left Edge**  
**Channel 1013**







### Right Edge Channel 777





## **Appendix D**

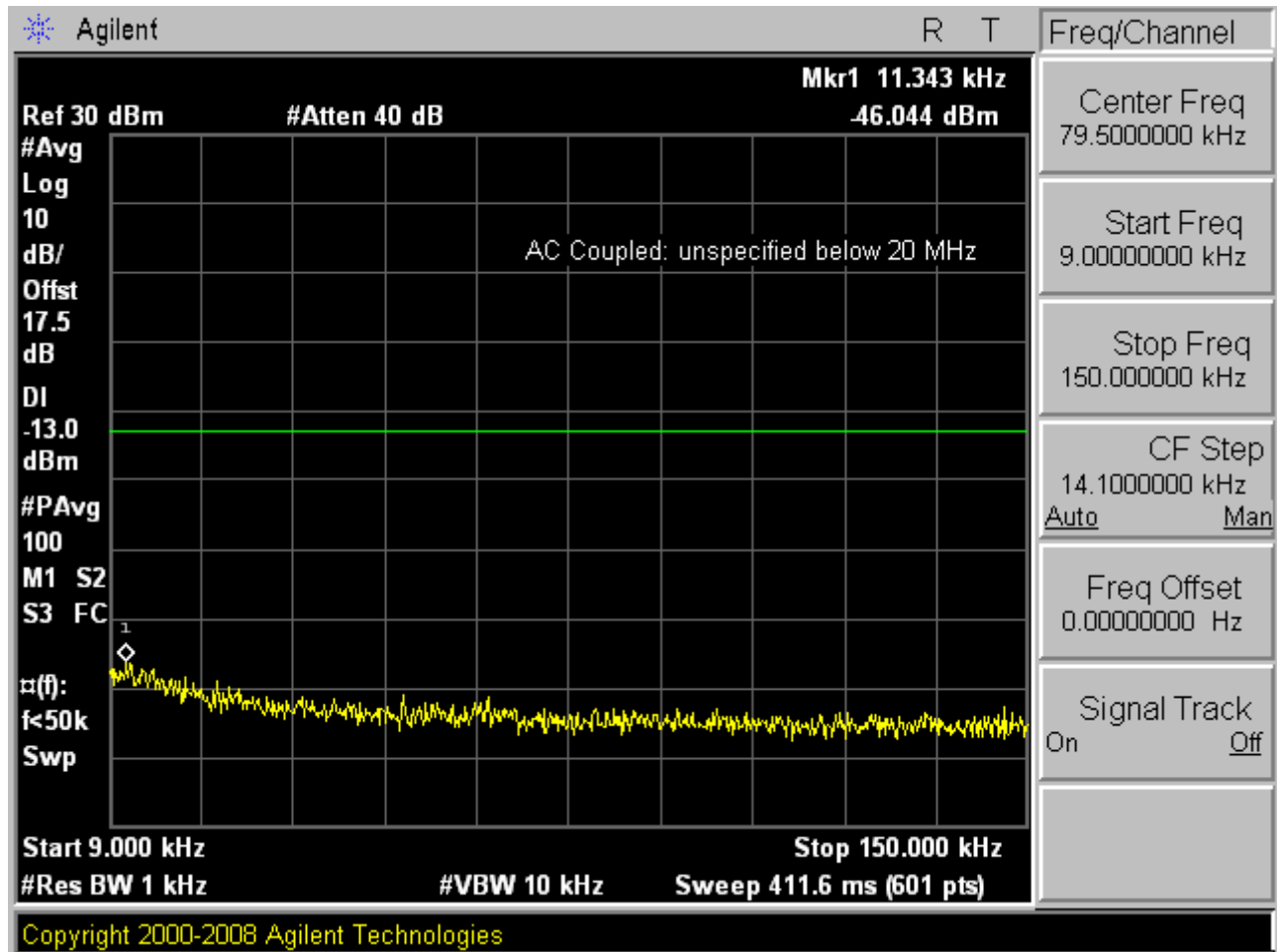
# Spurious Emission at Antenna Terminal

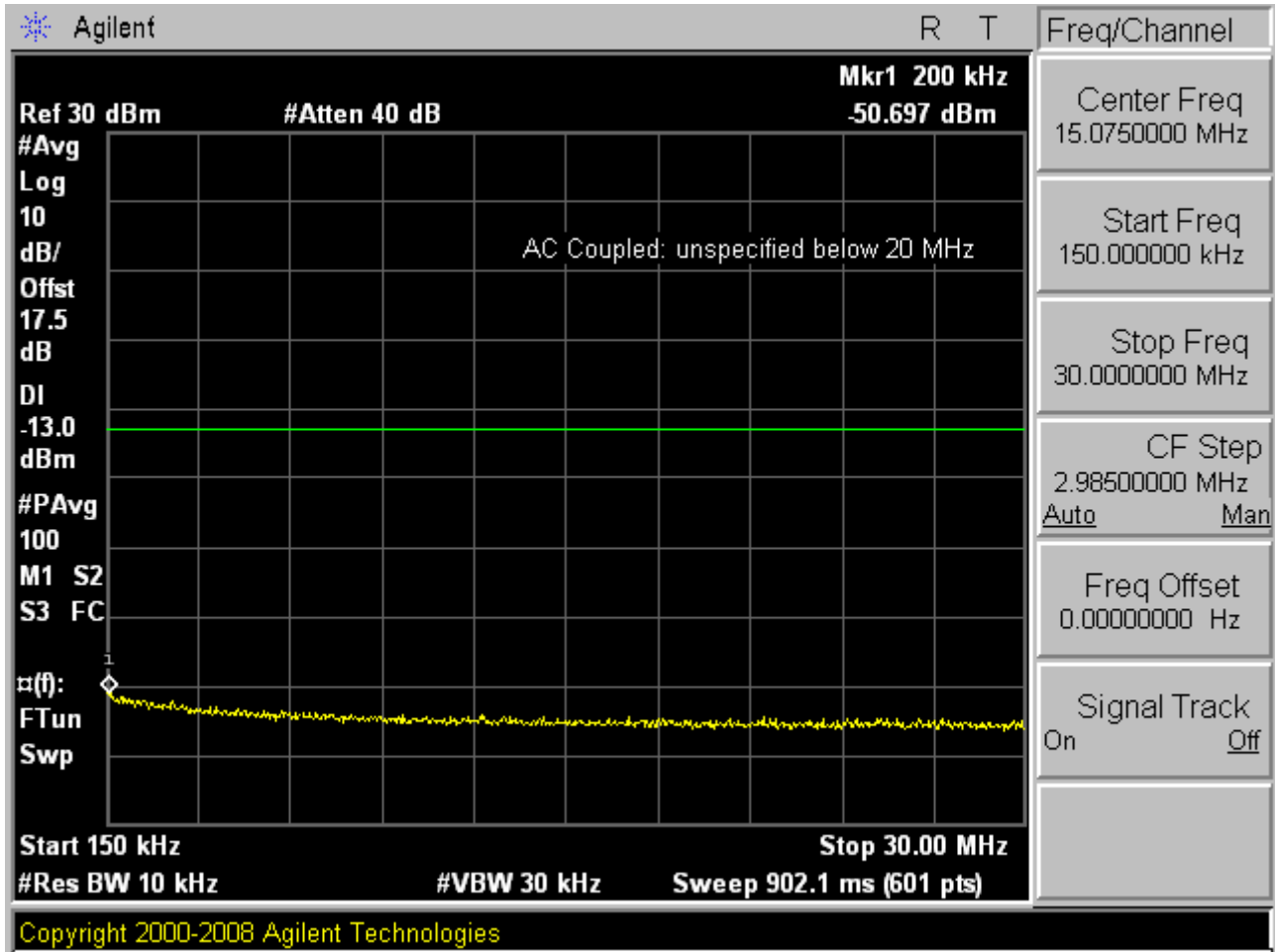
According to FCC Part 2.1051 & 22.917

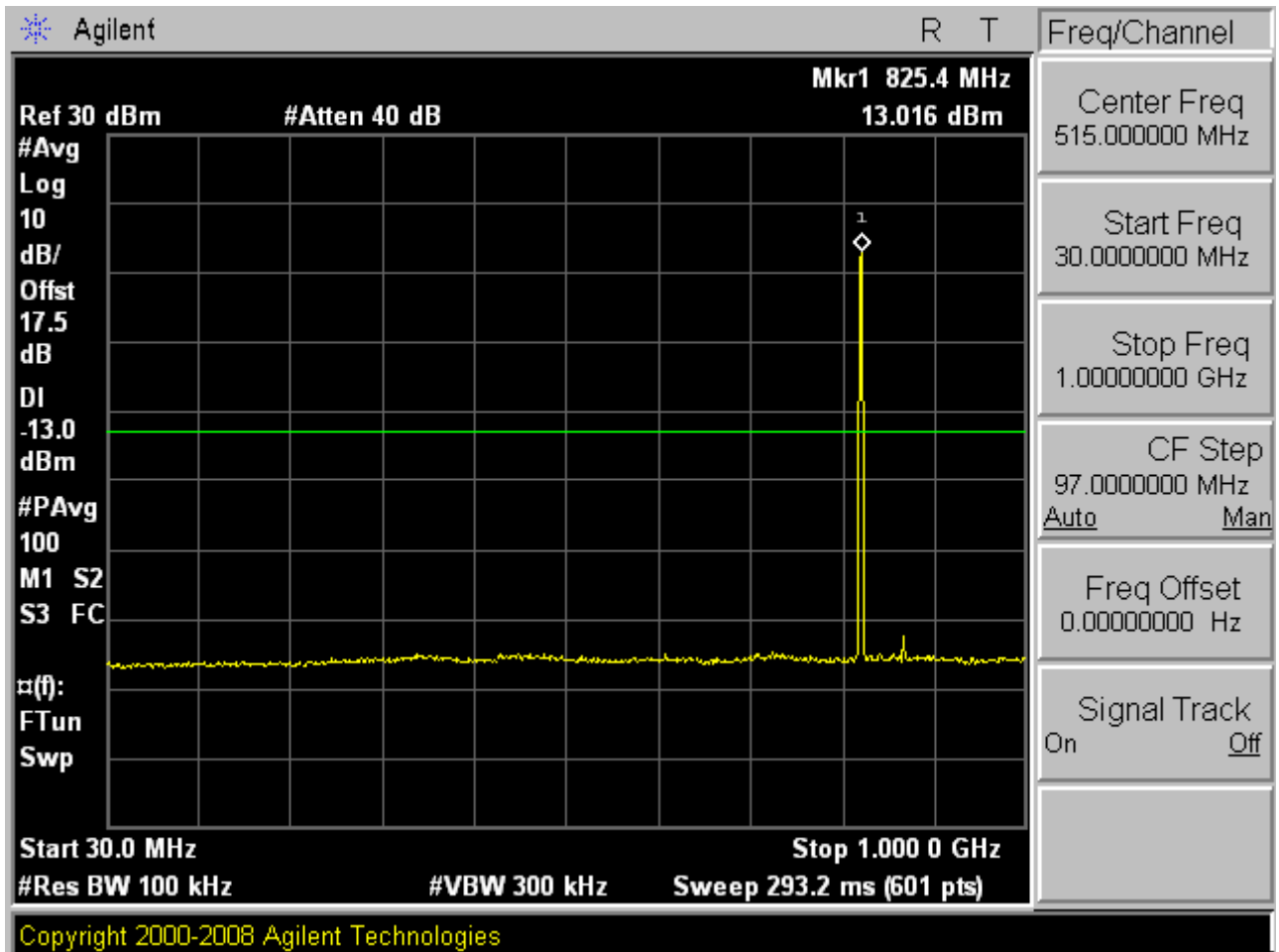


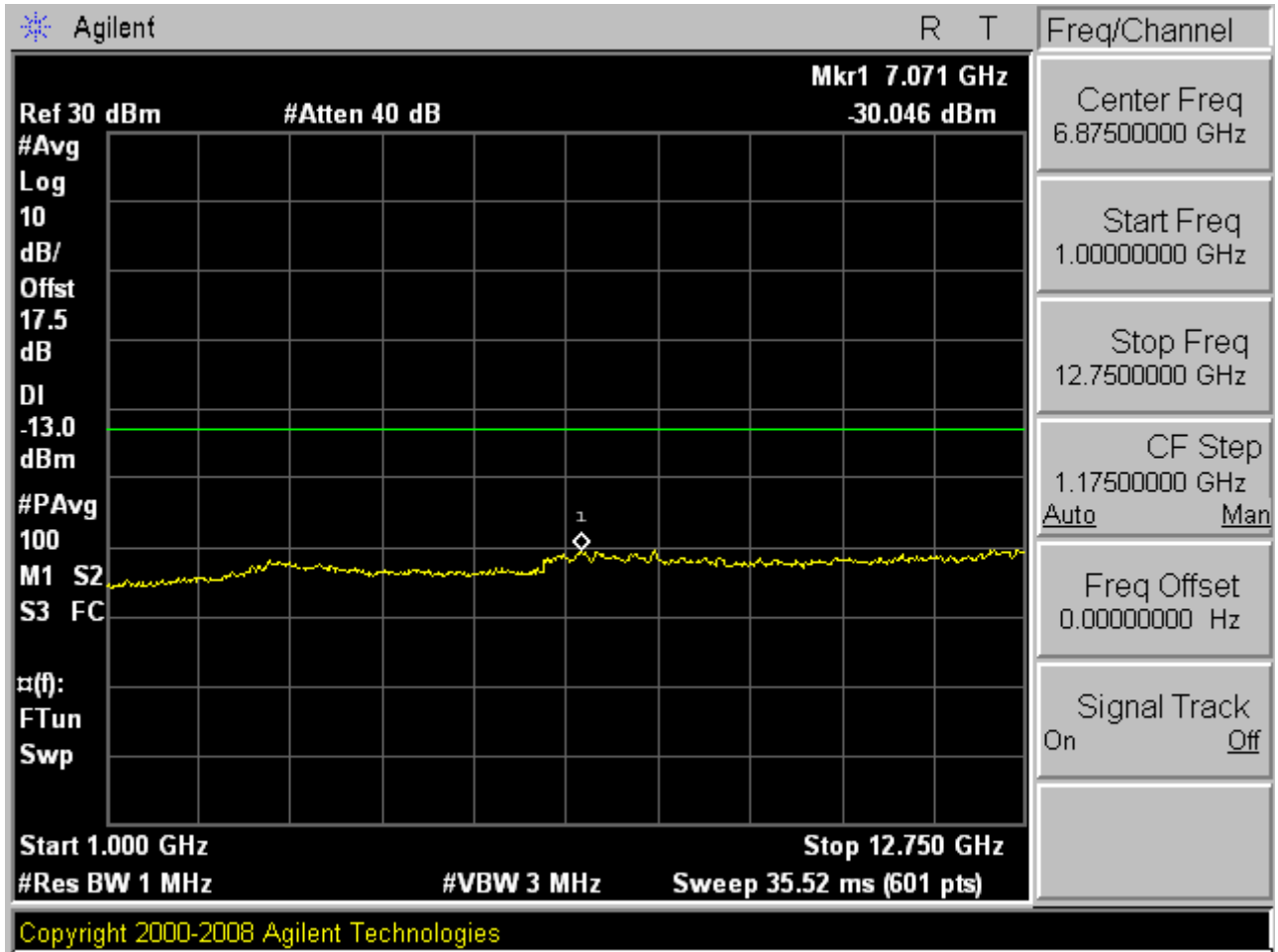
# 1.1 TM1

## Channel 1013



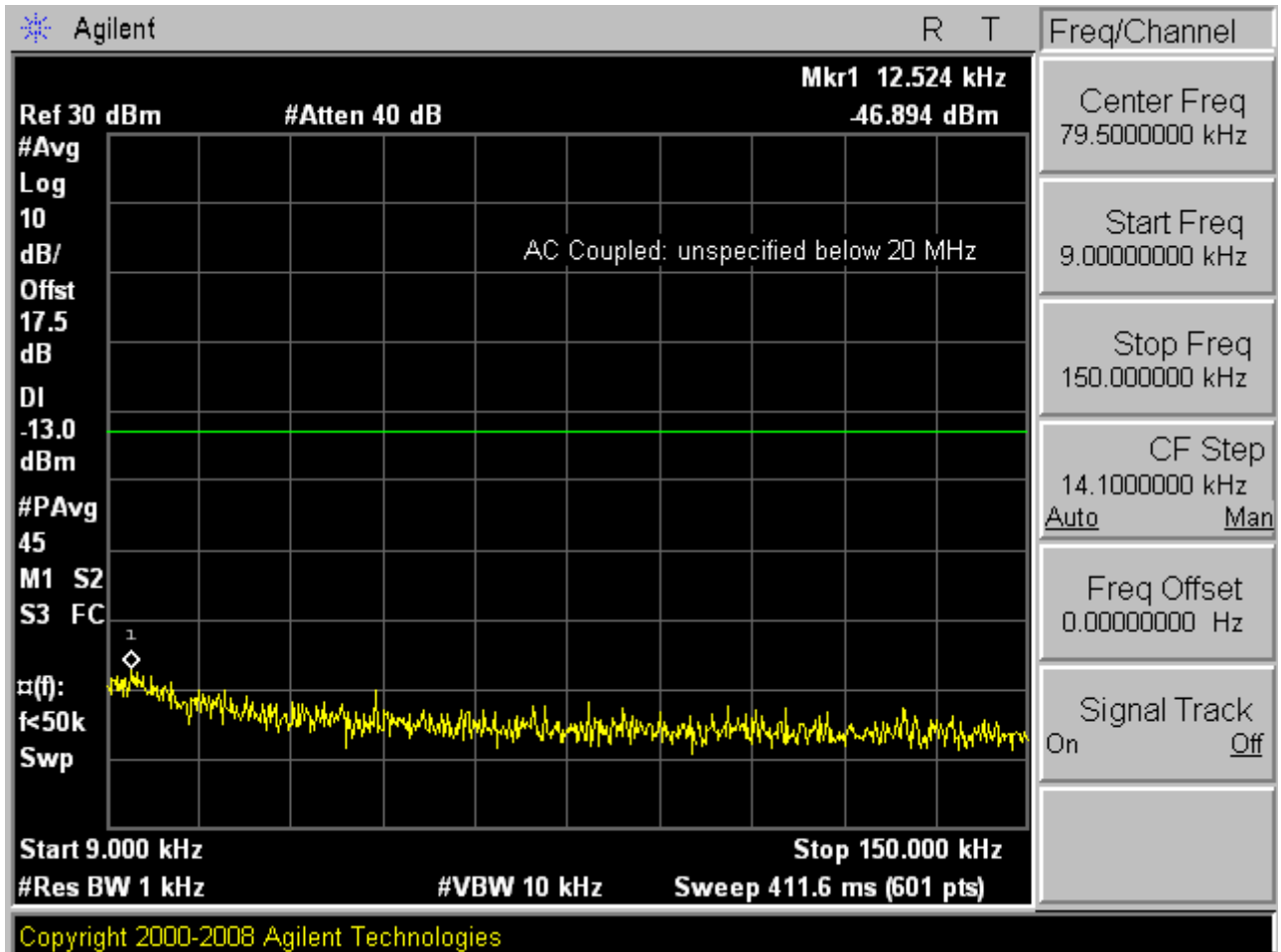


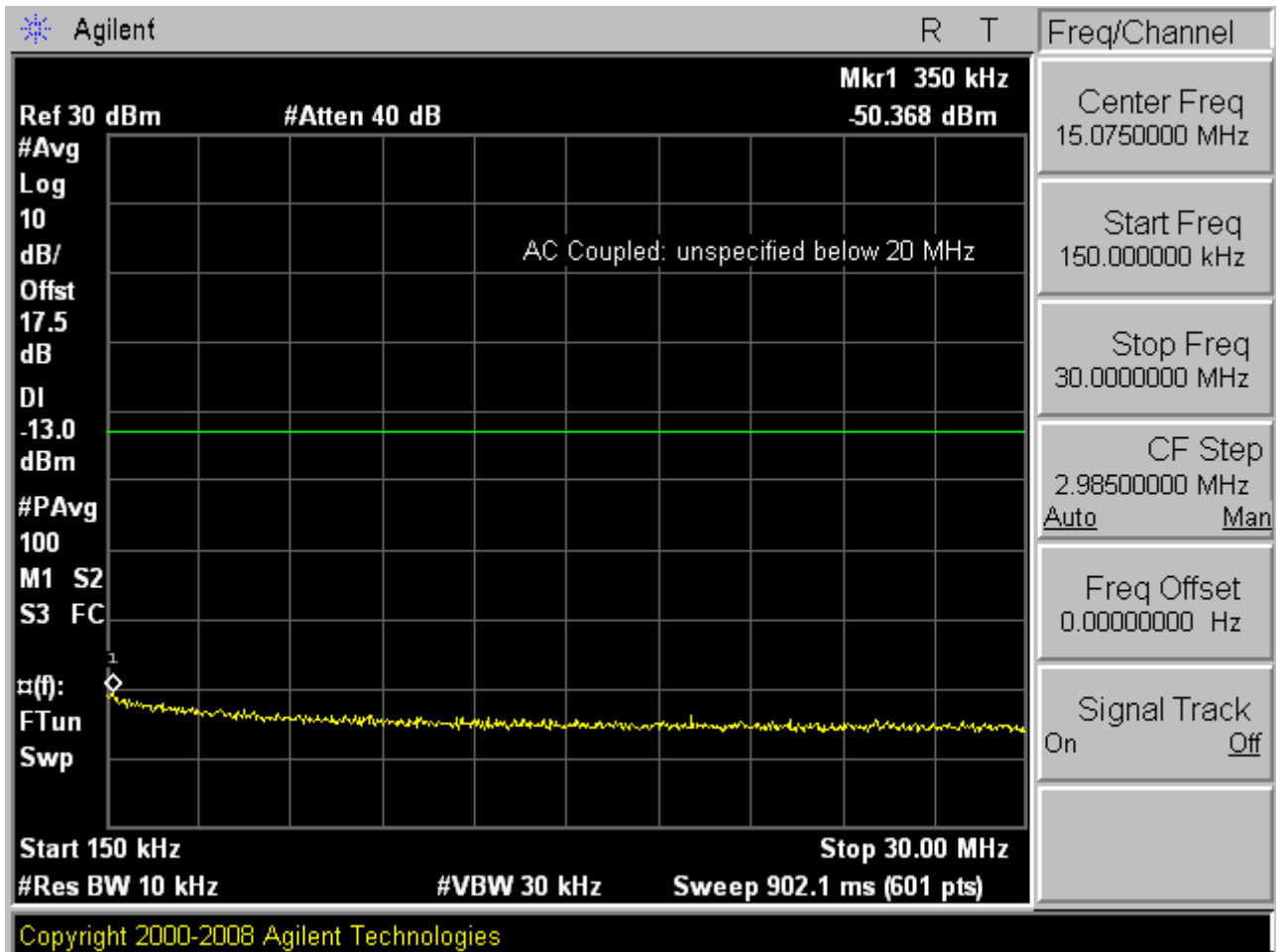




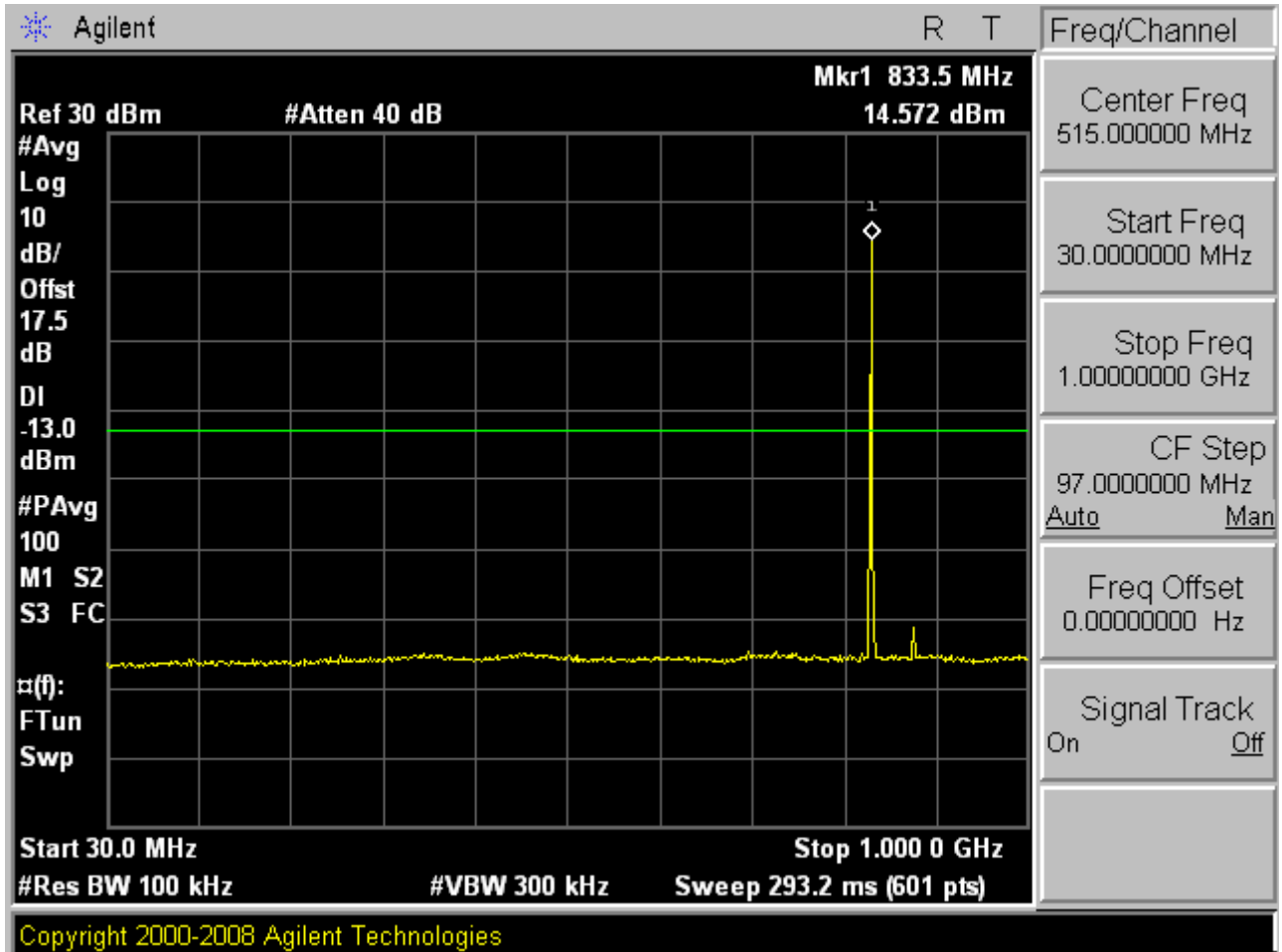


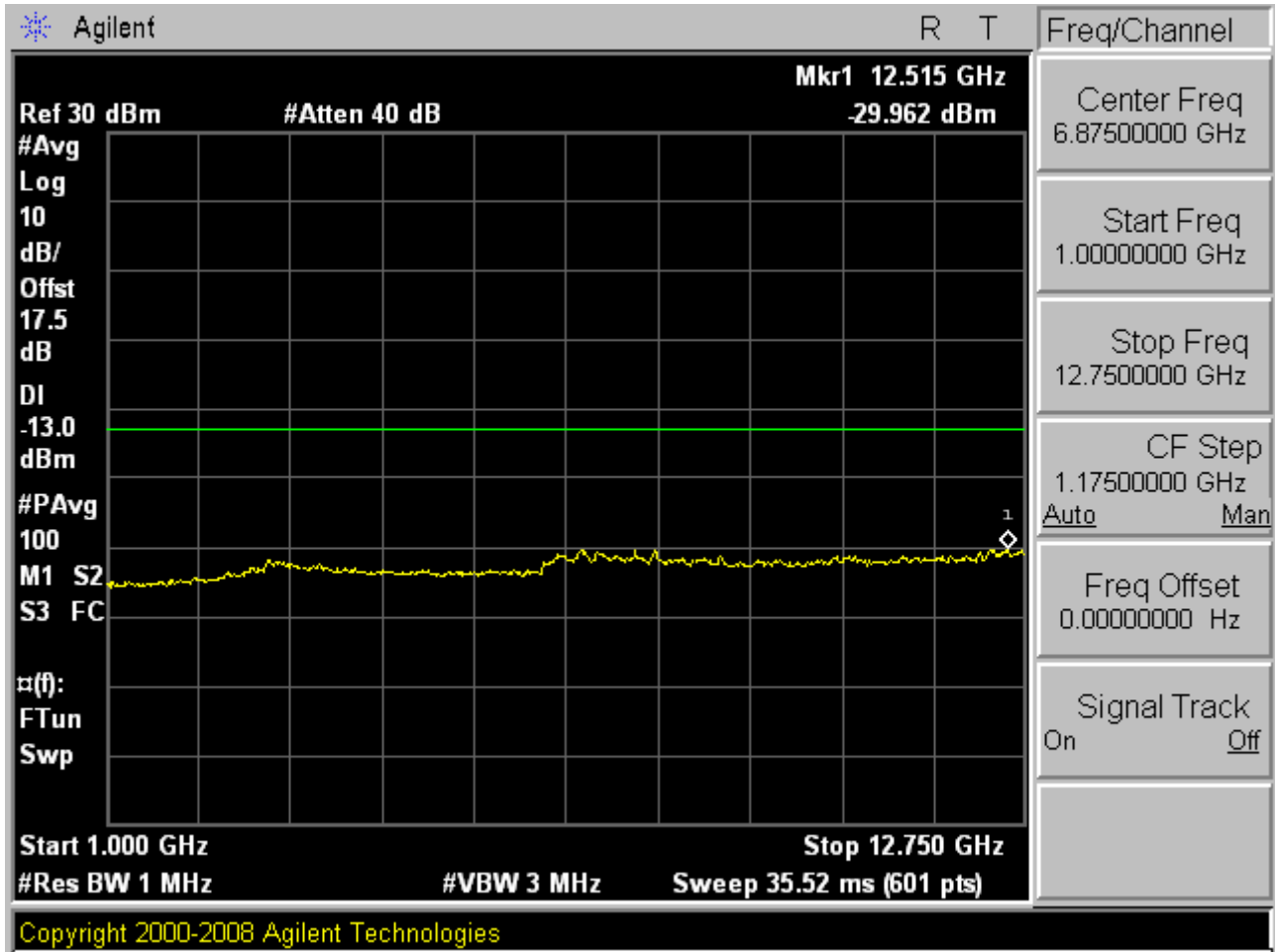
## Channel 283





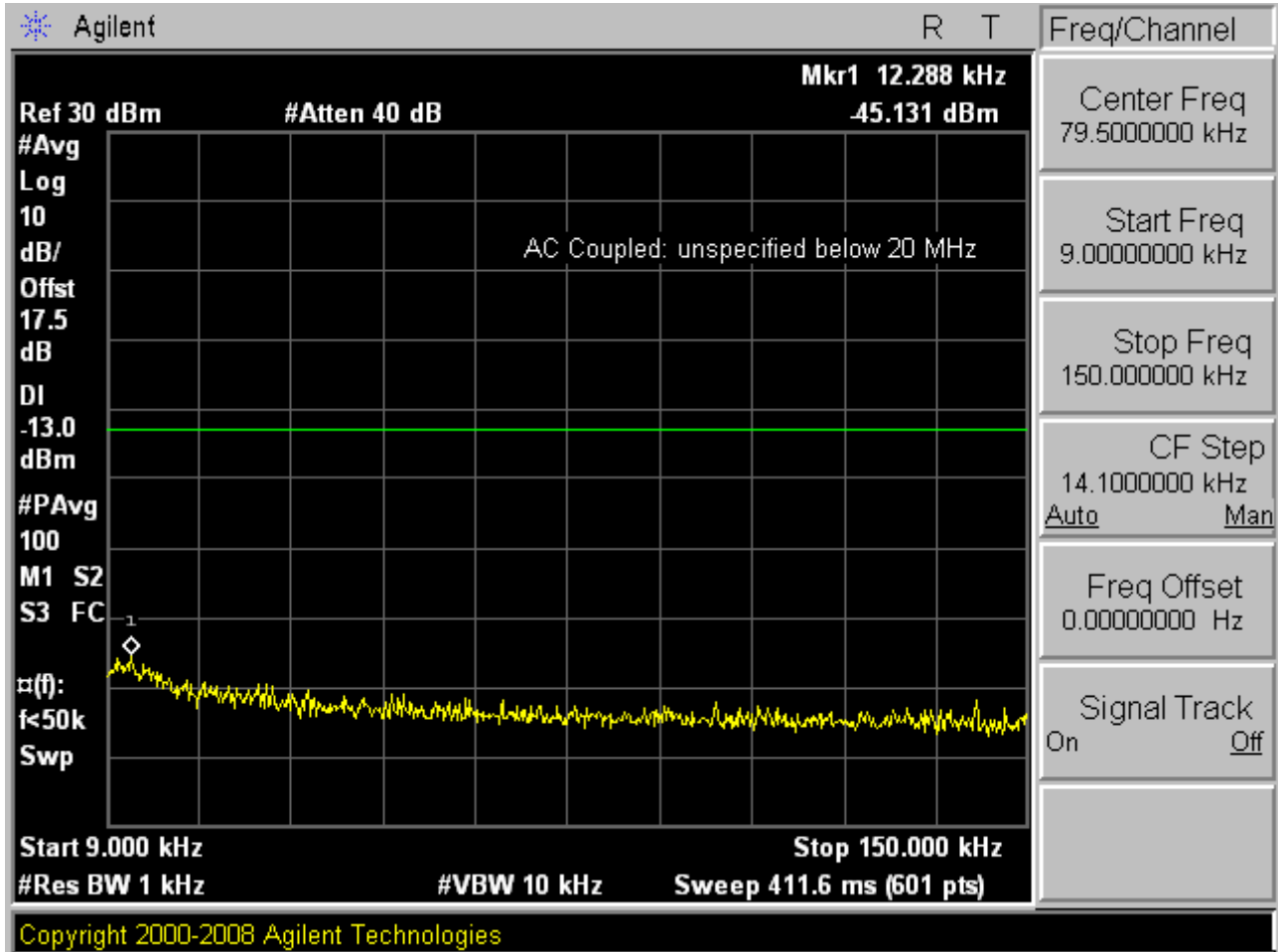


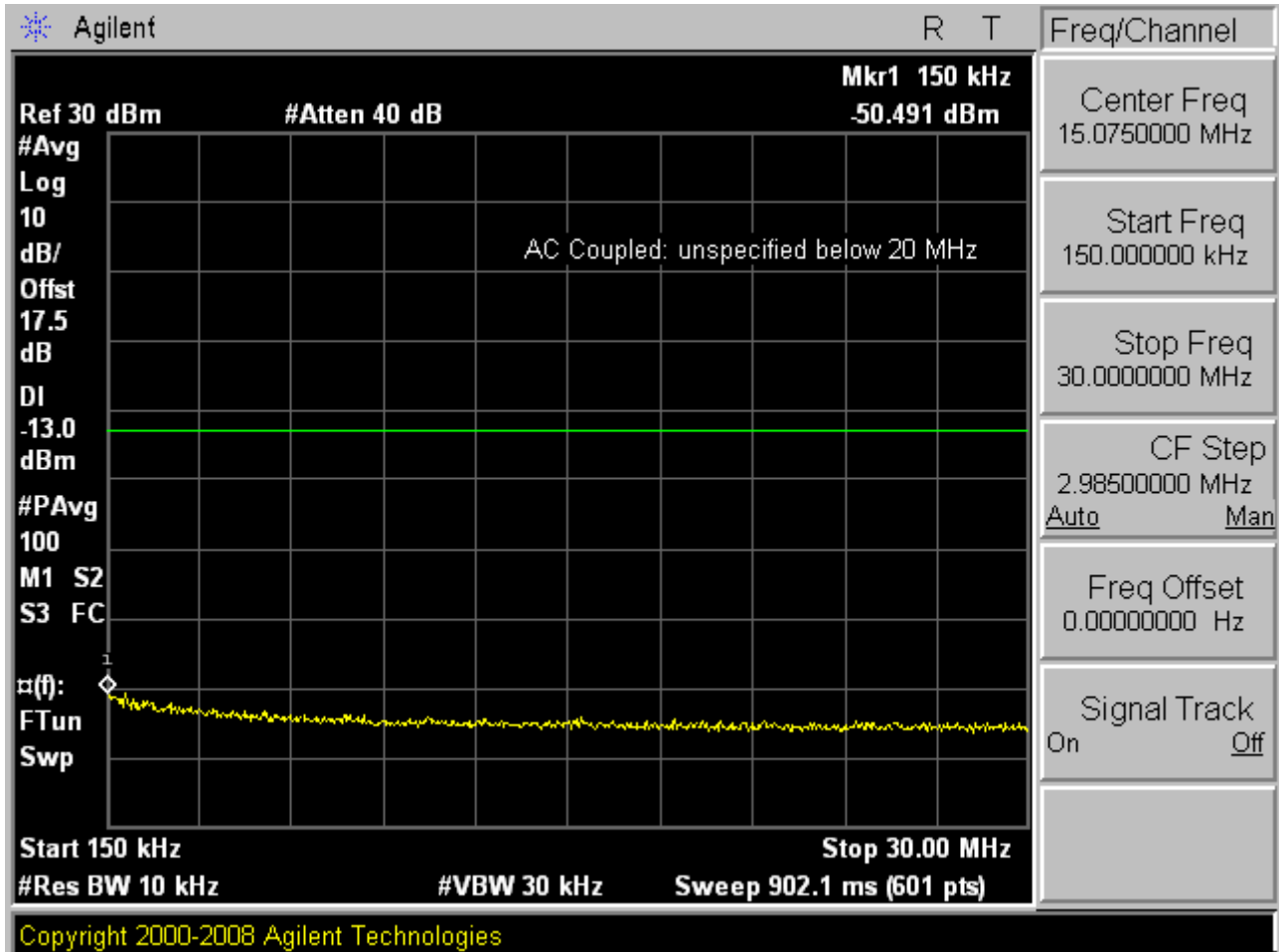


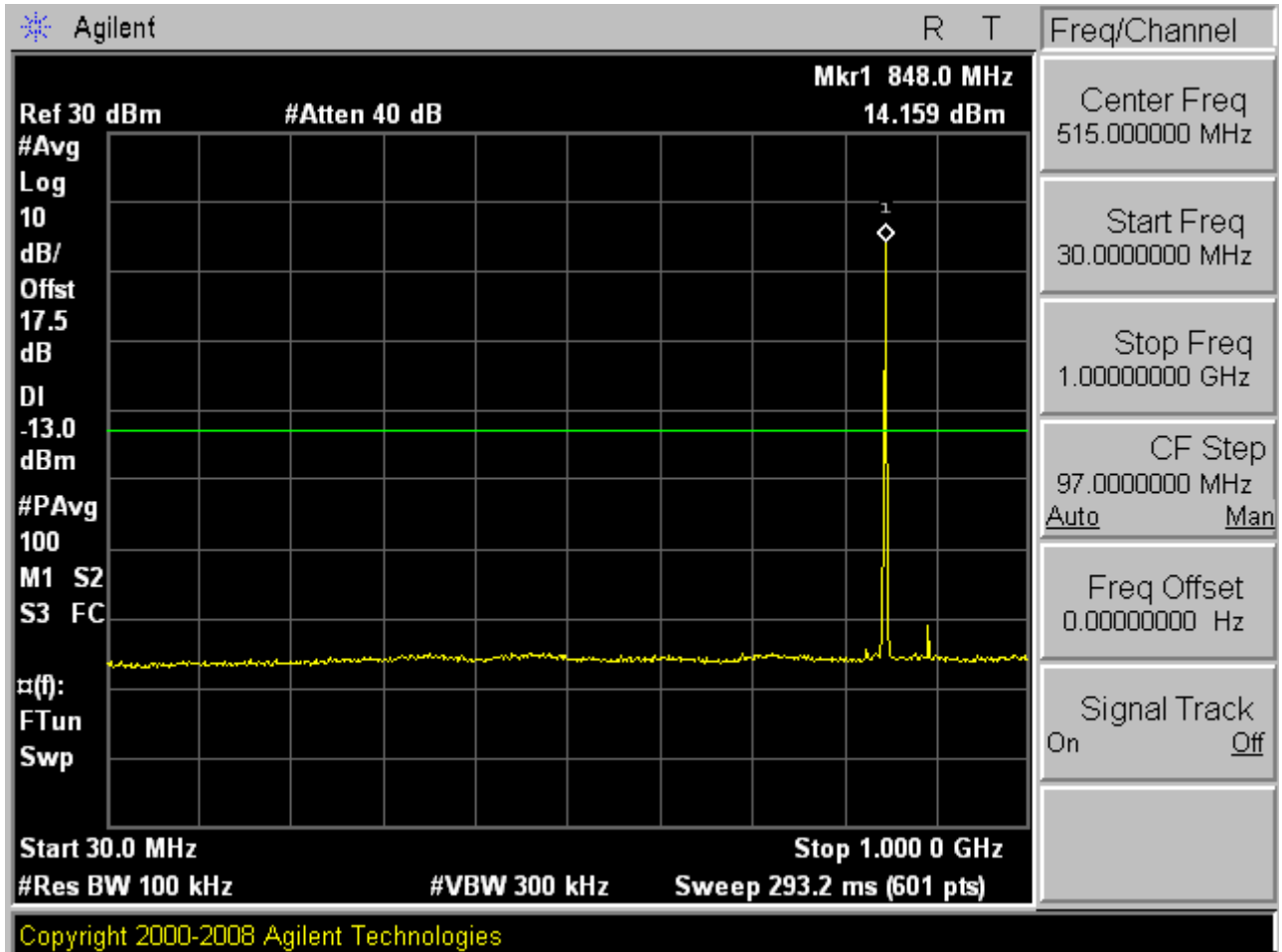


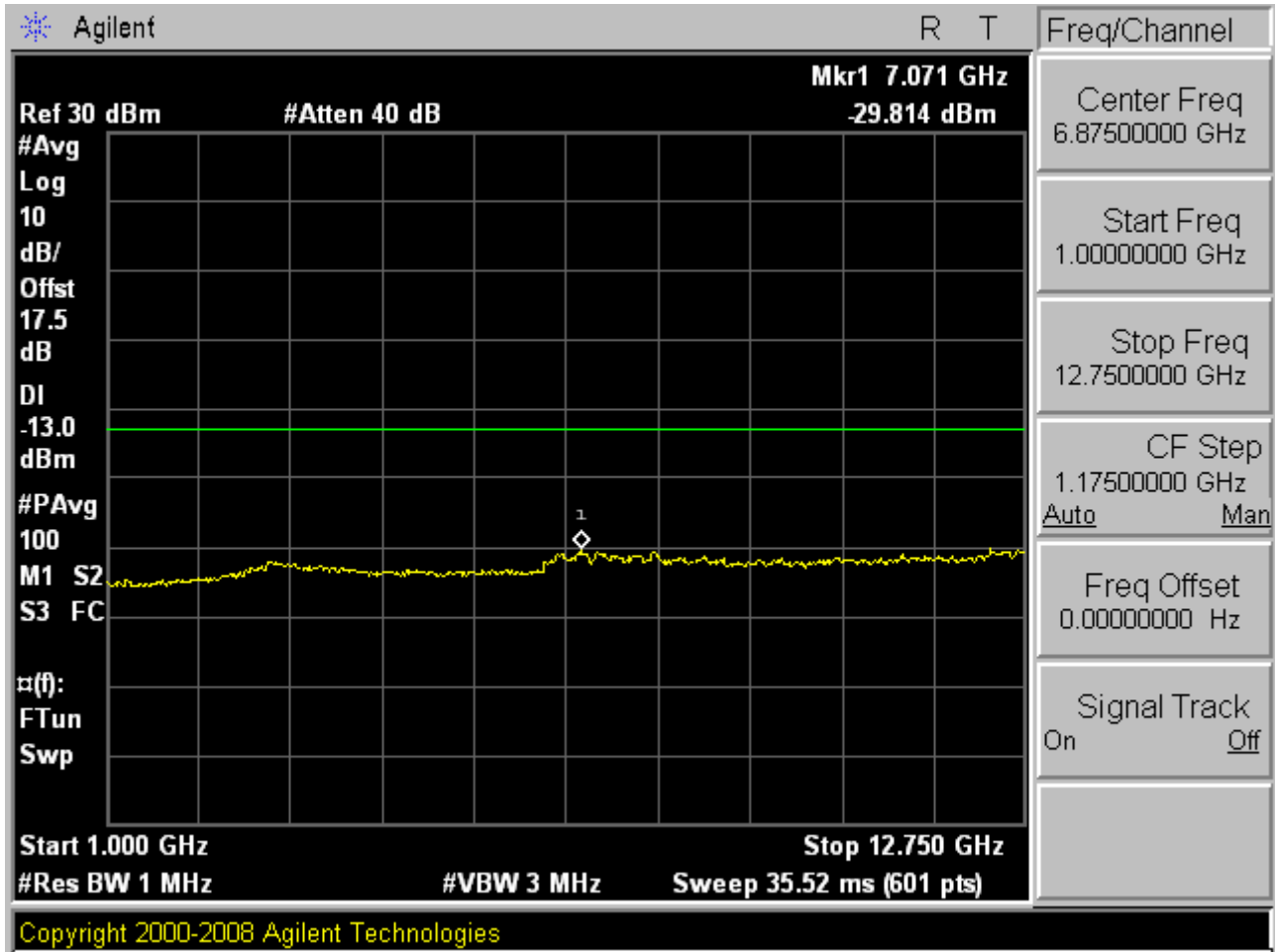


## Channel 777

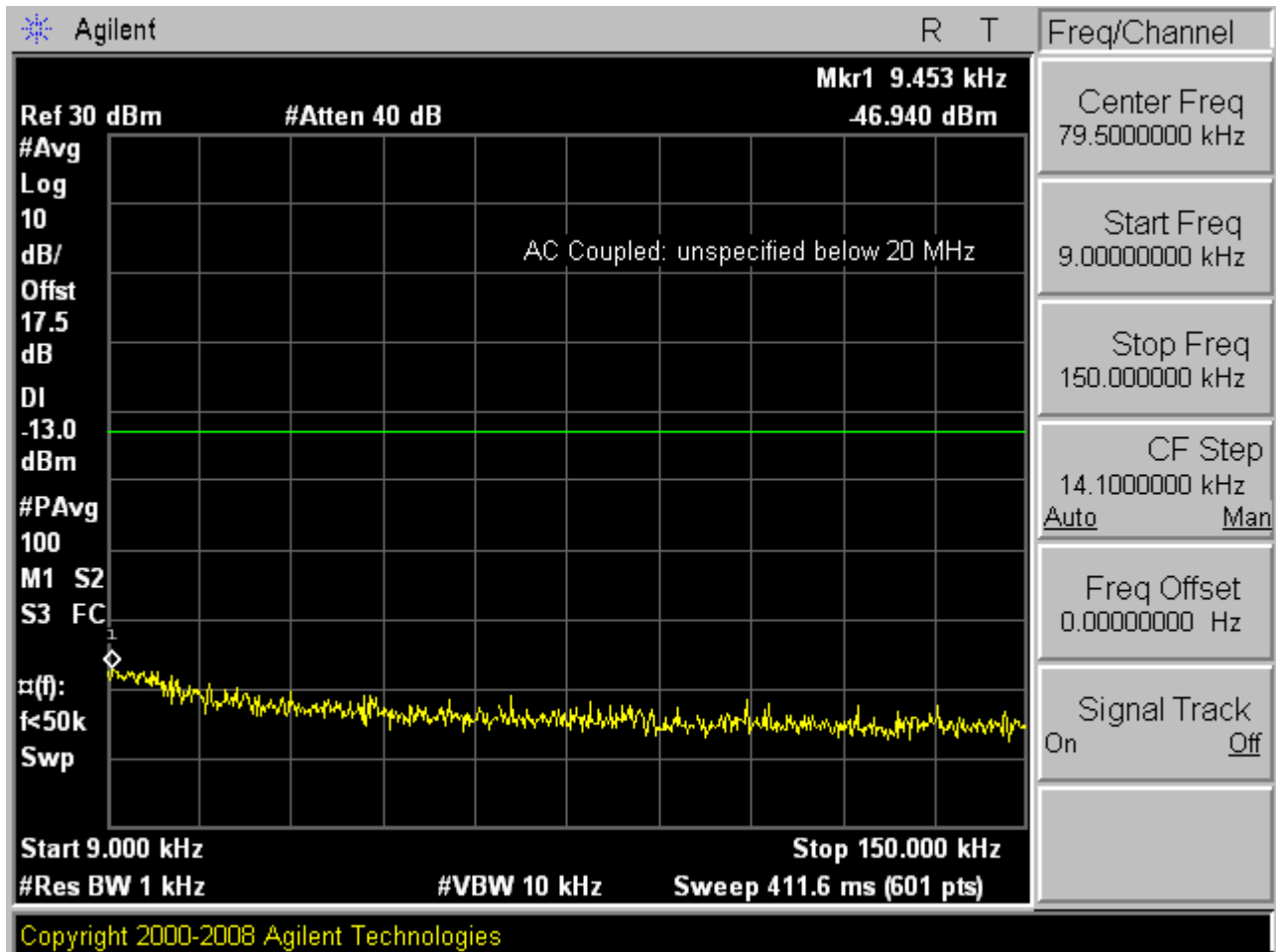


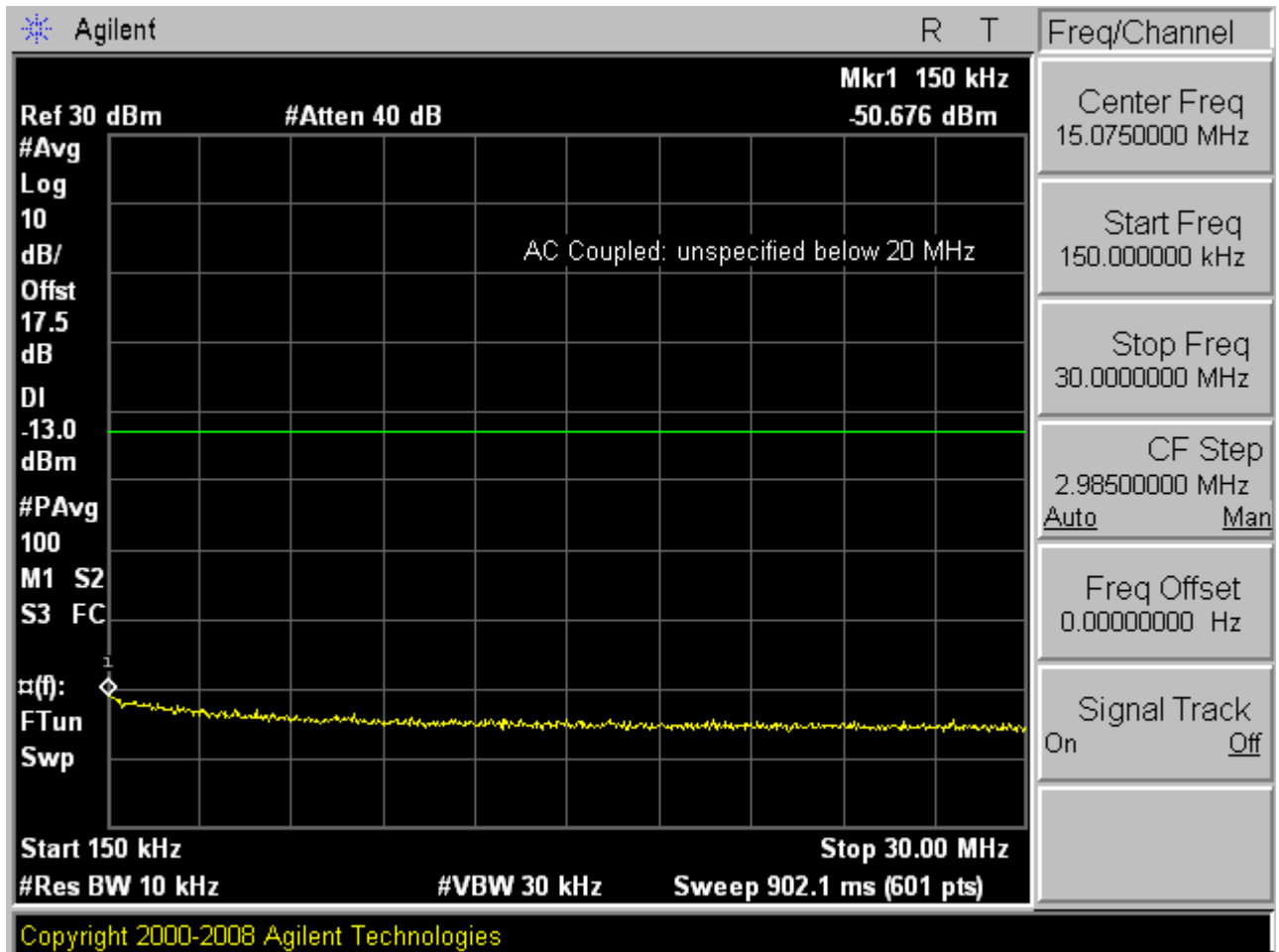




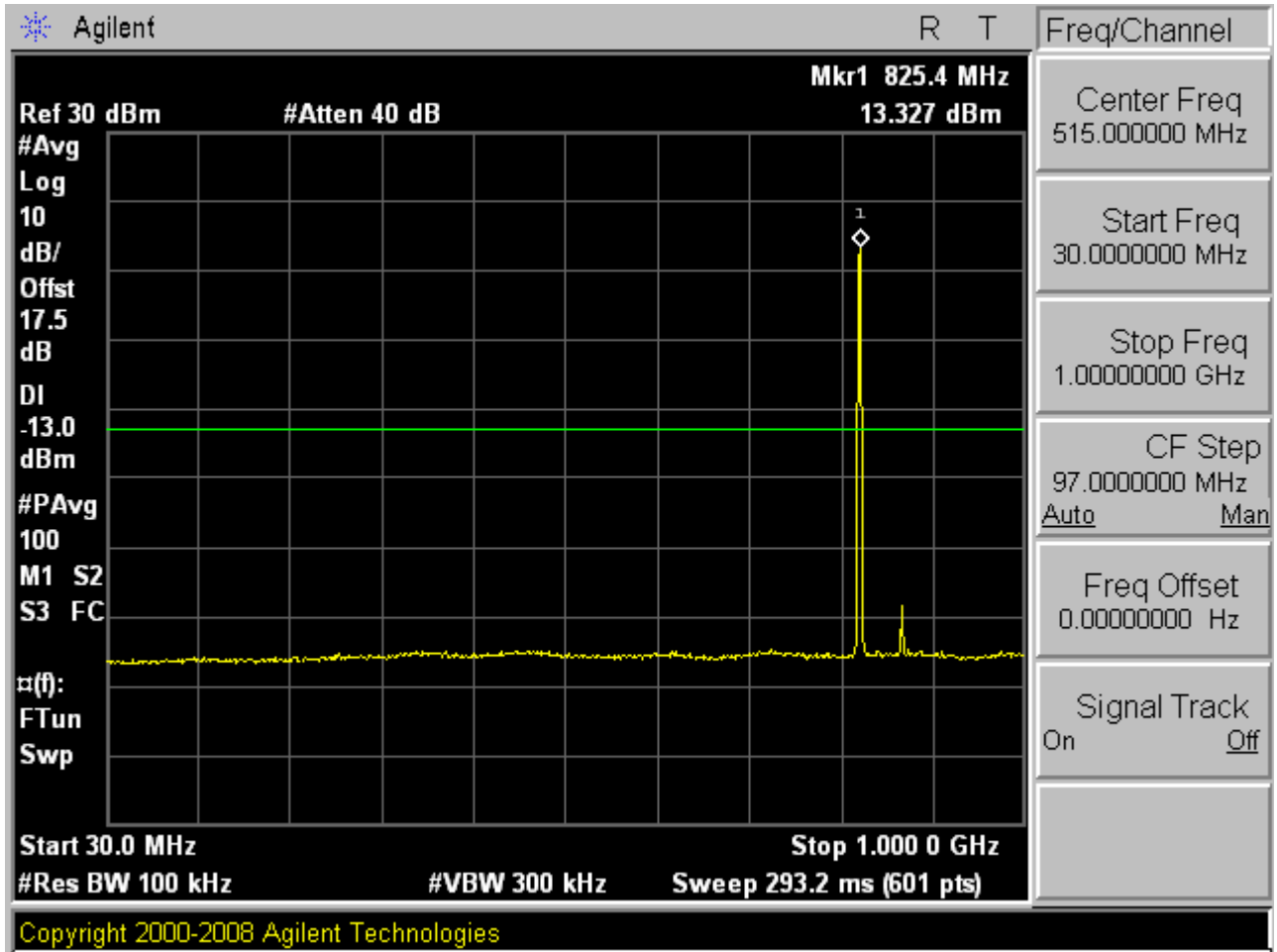


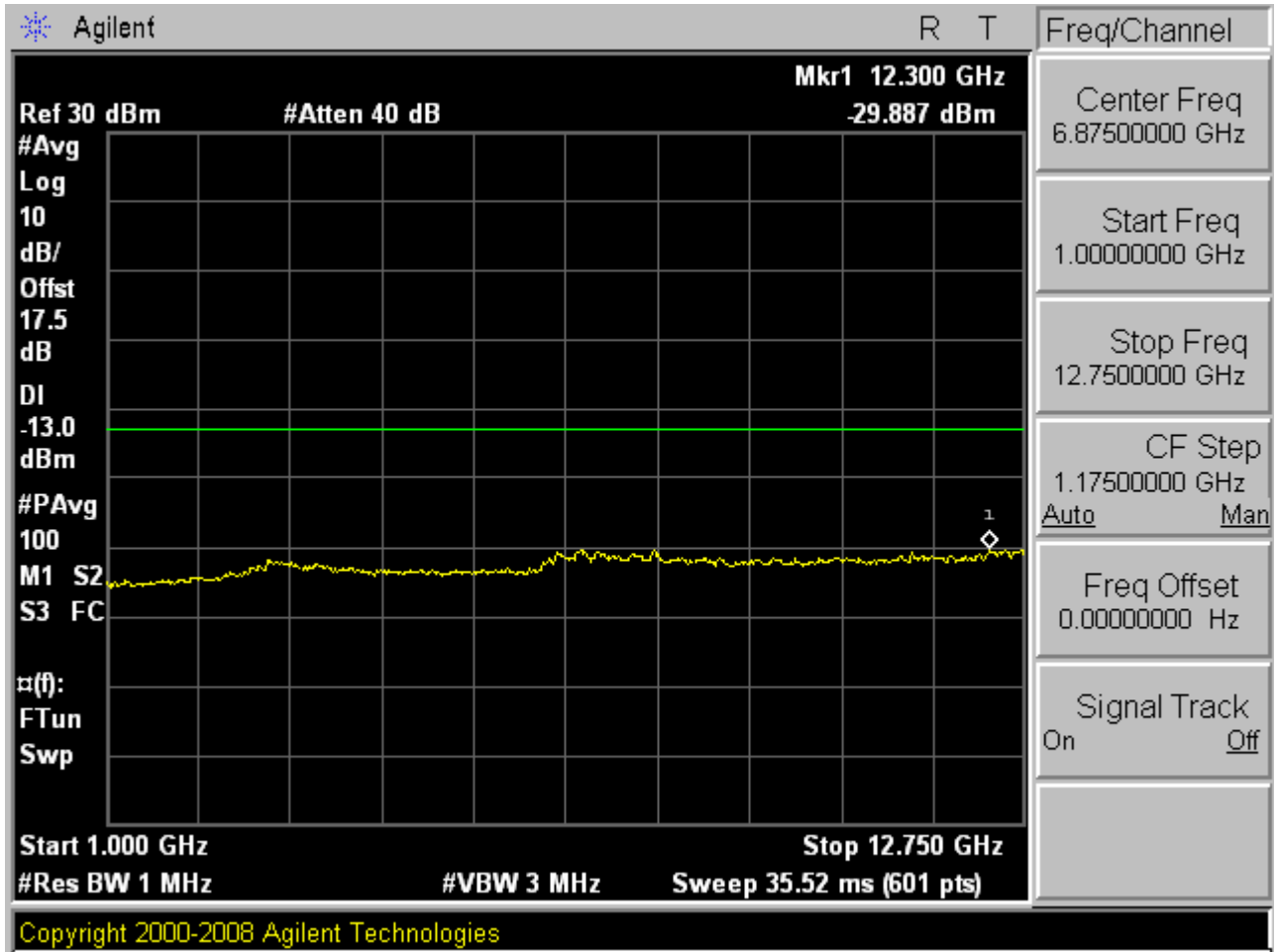
## TM3 Channel 1013



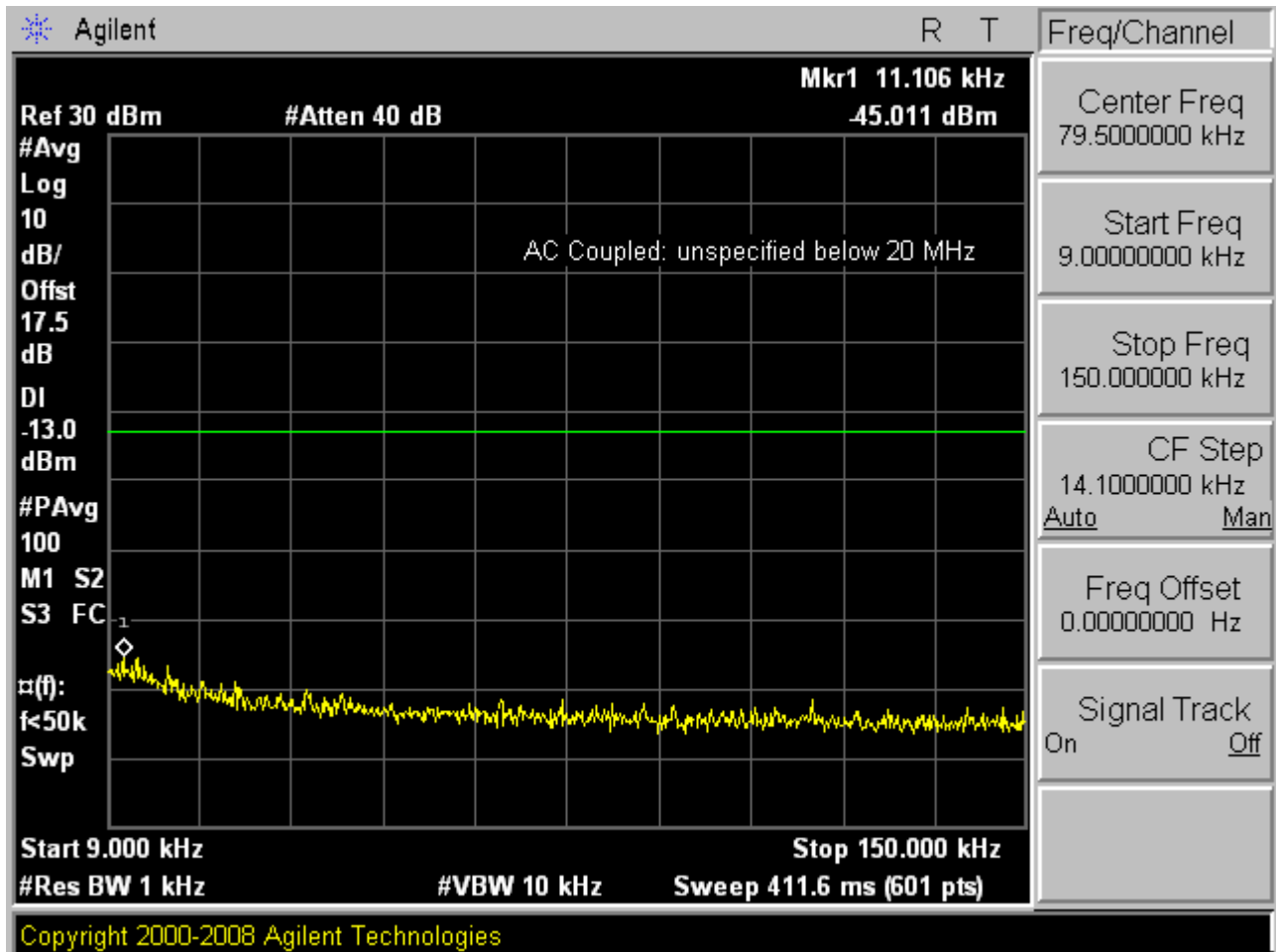


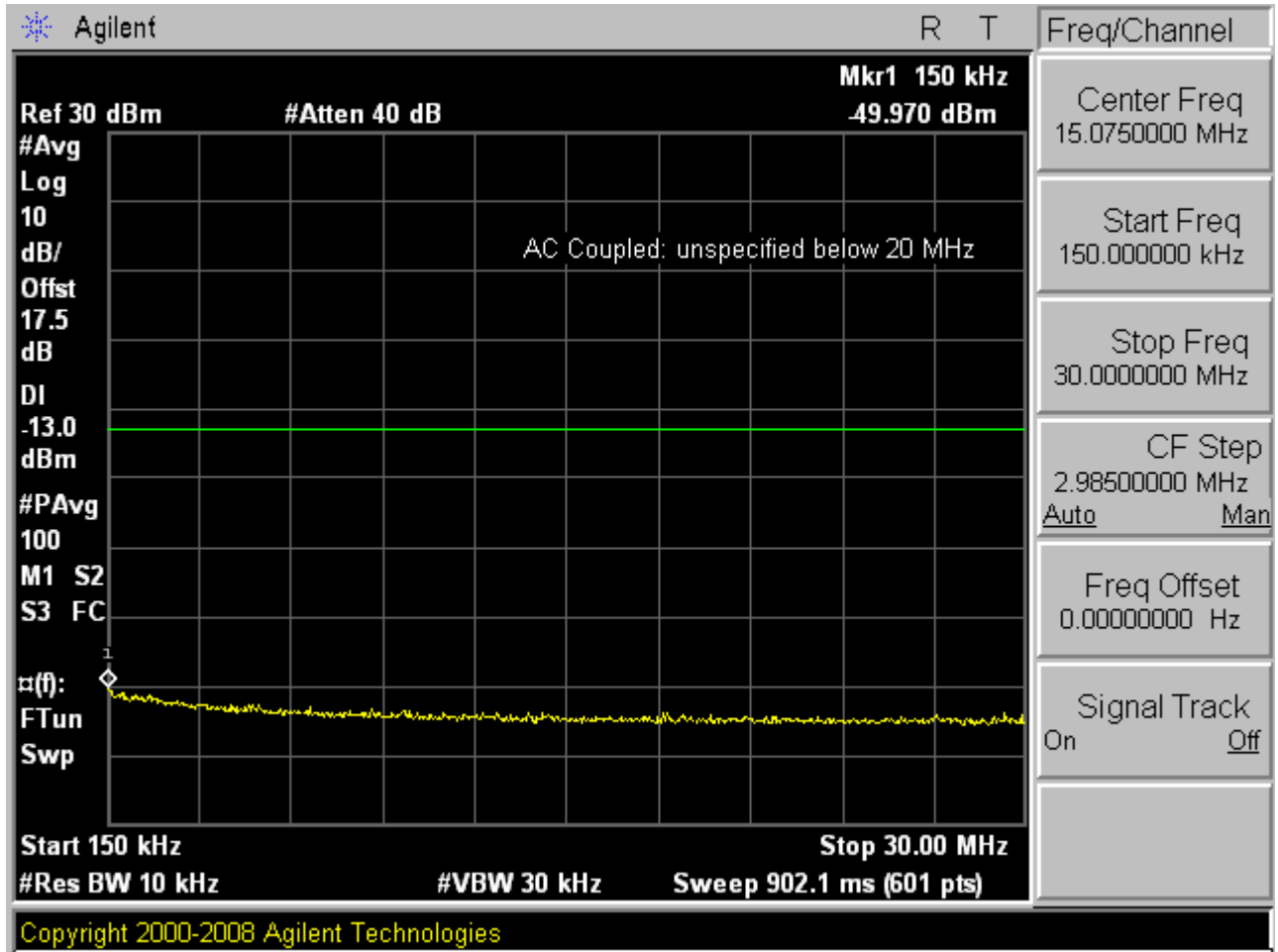


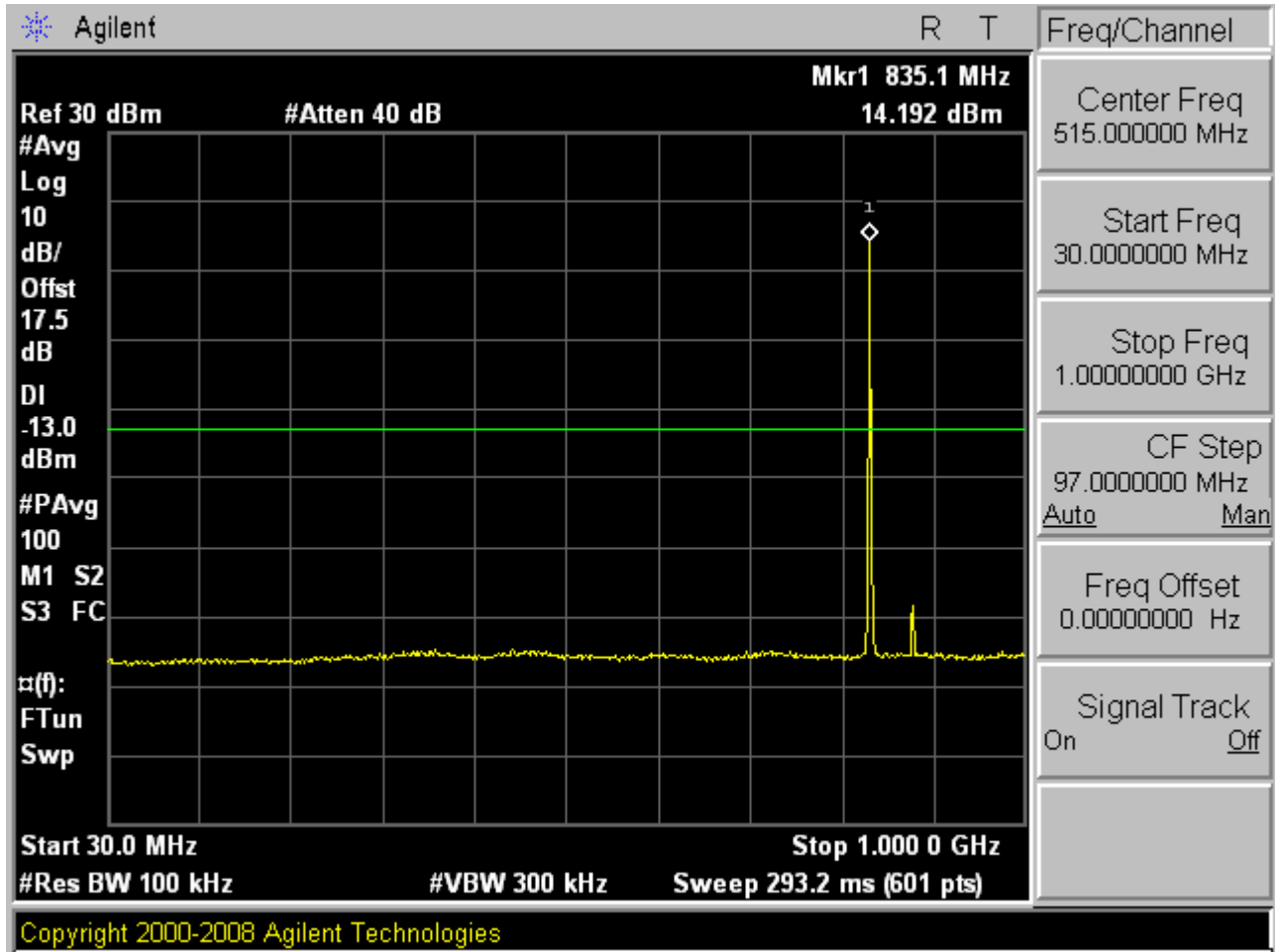


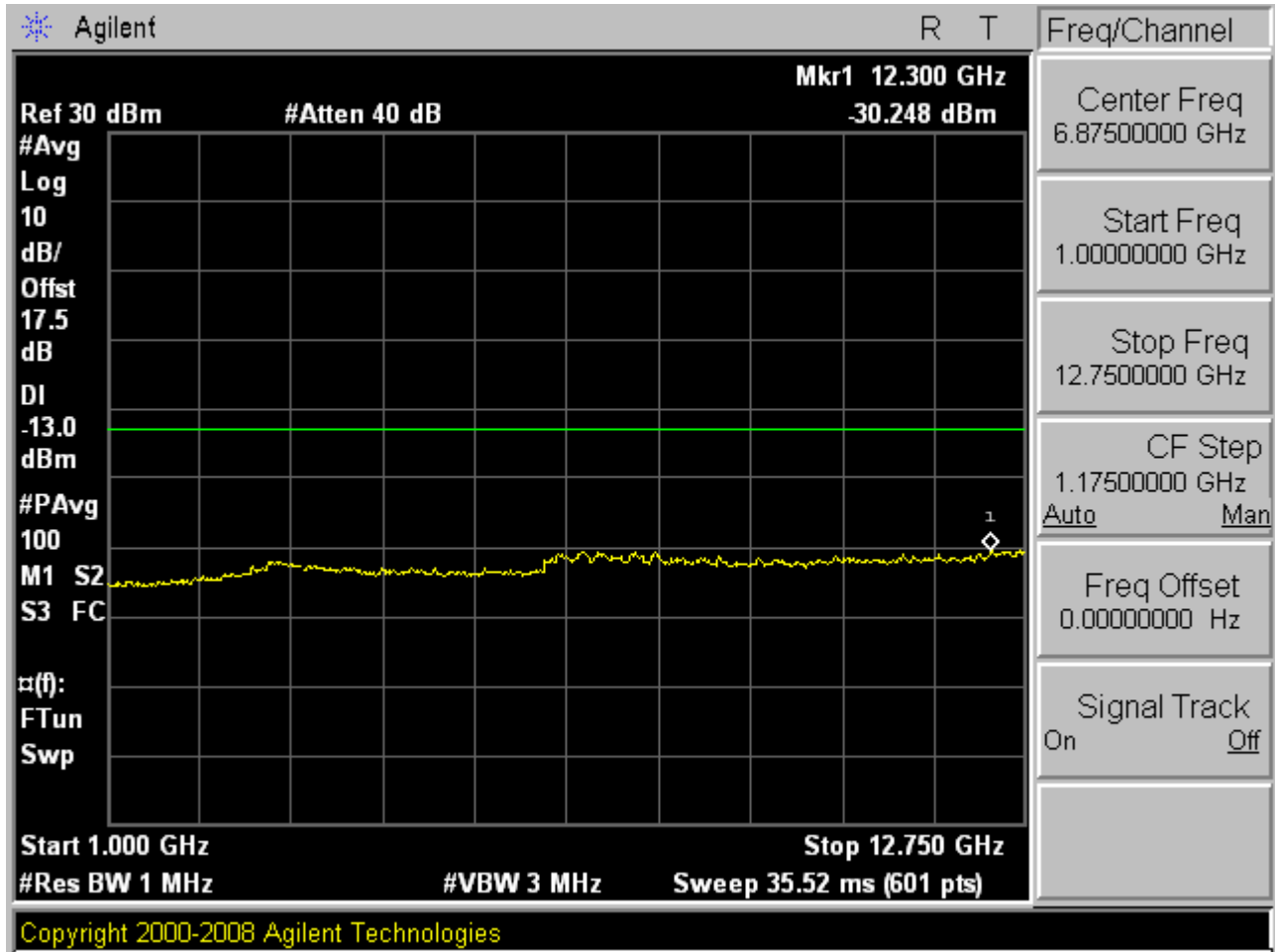


## Channel 283

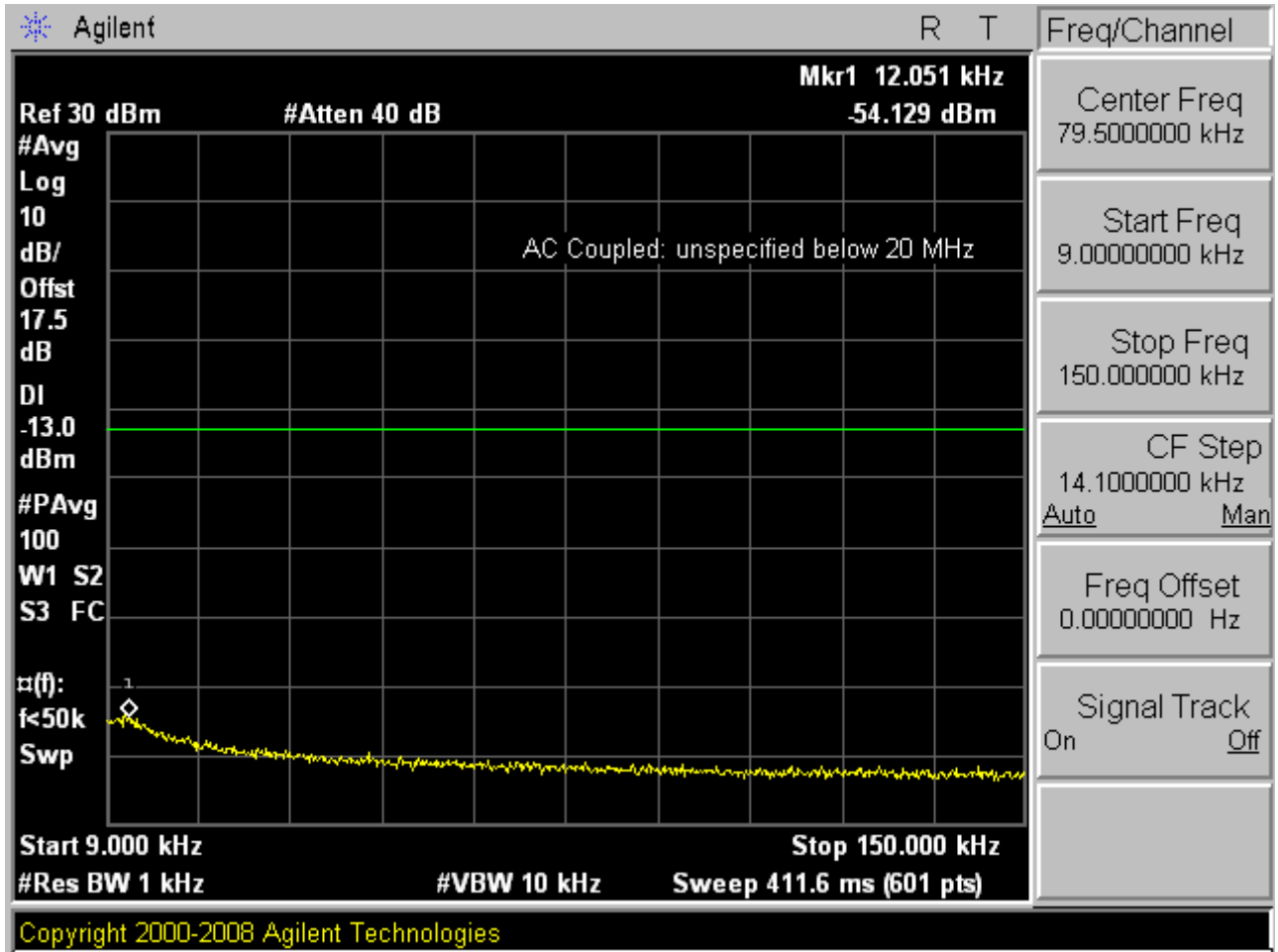


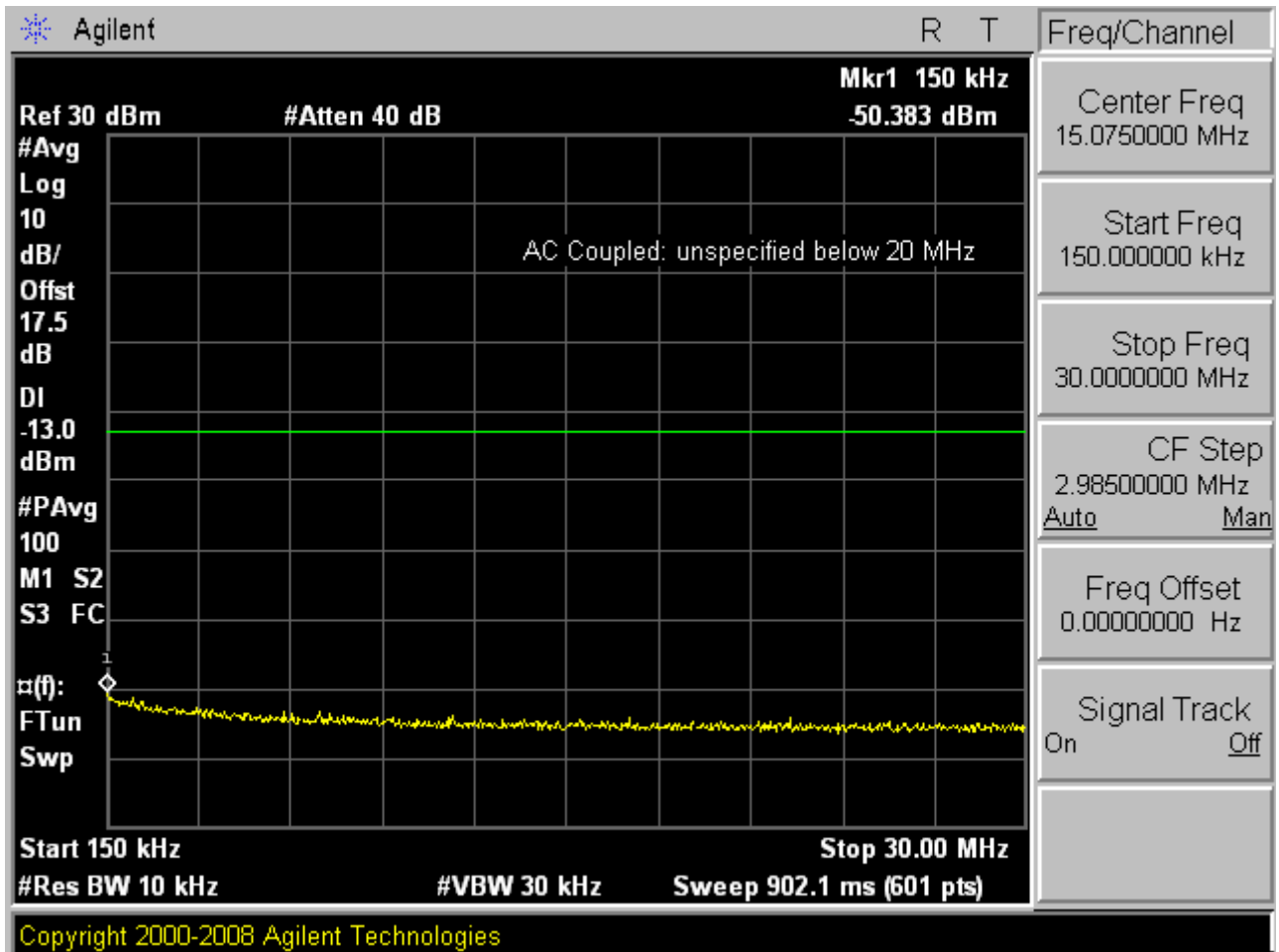




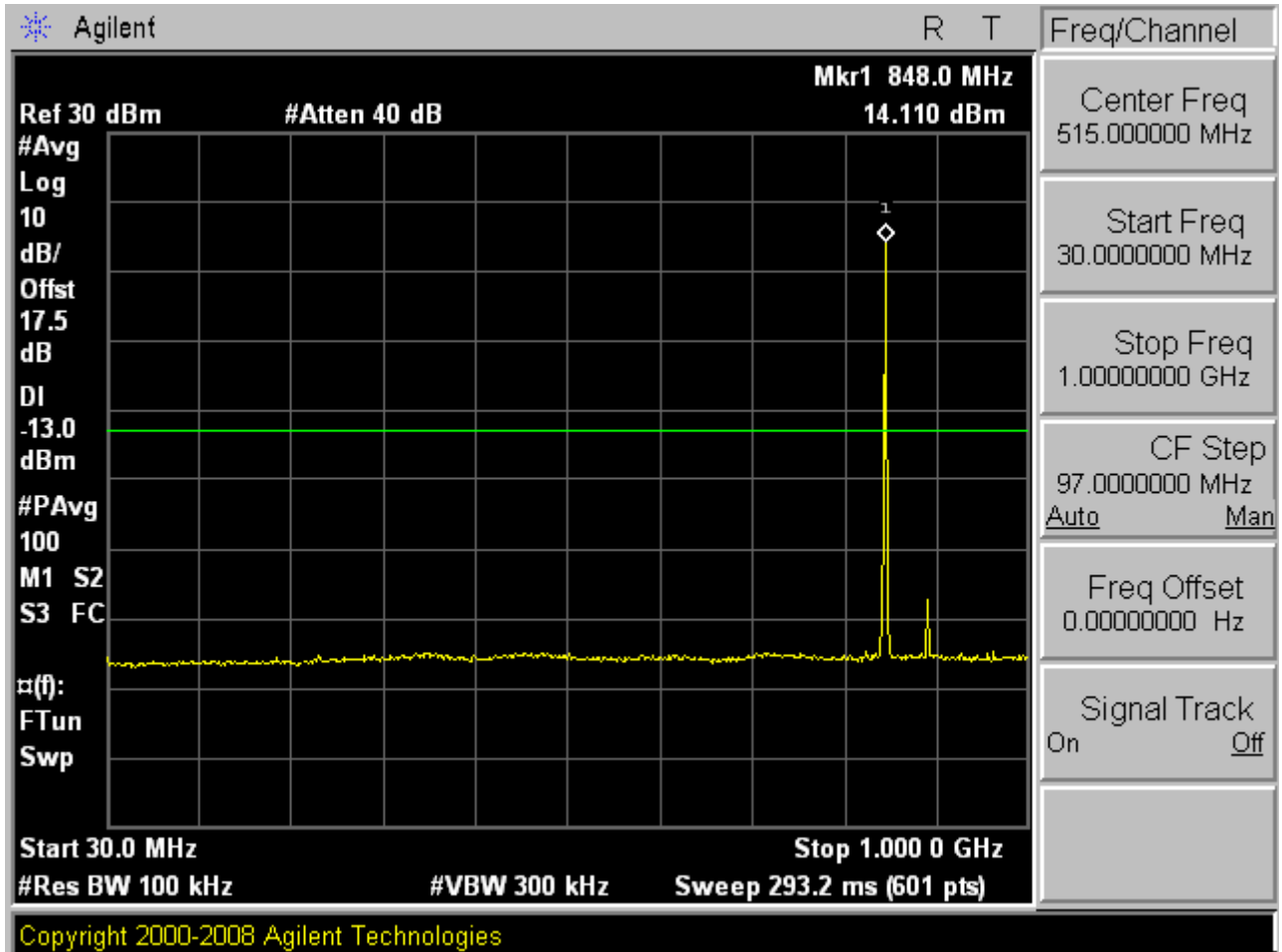


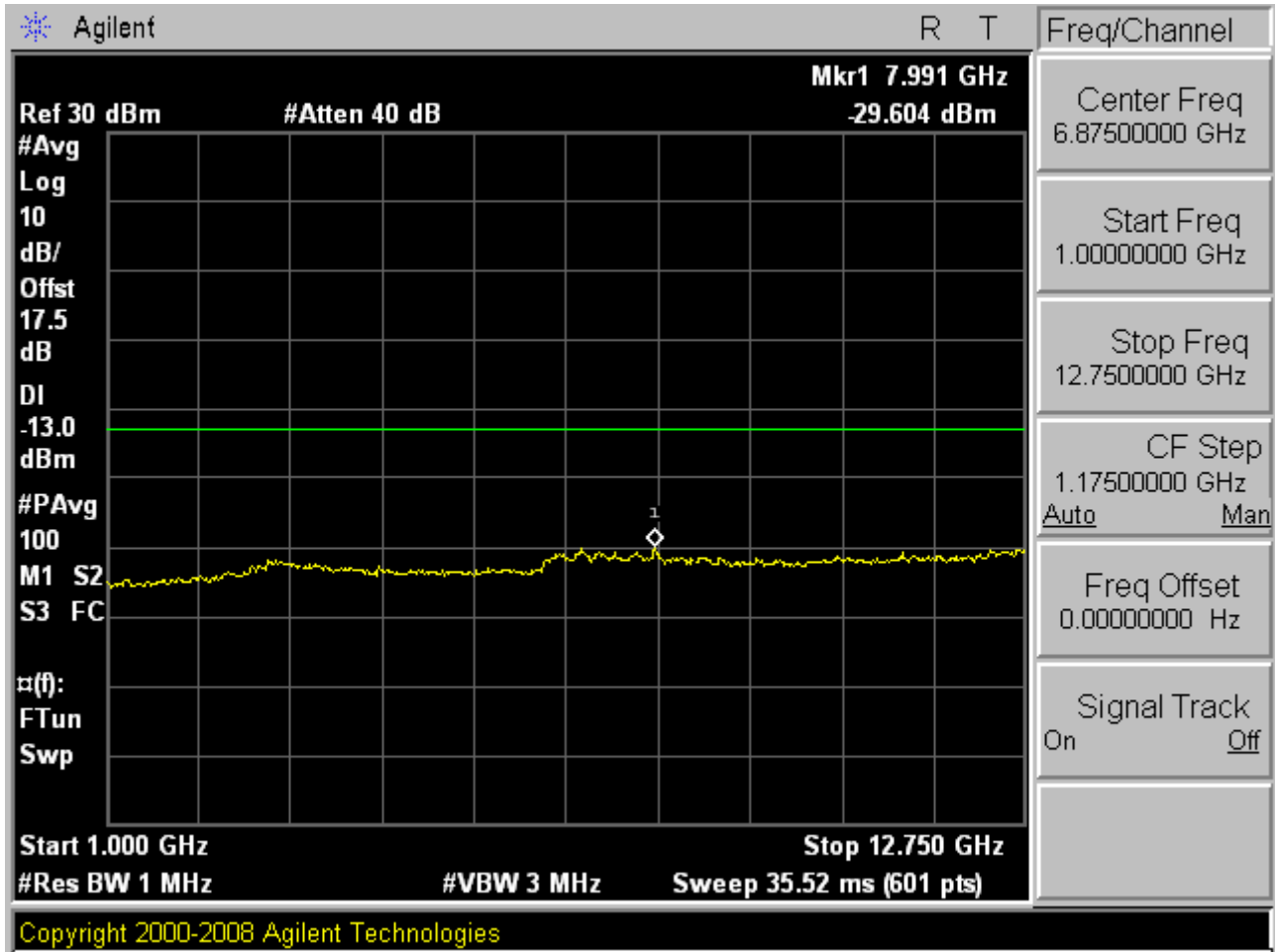
## Channel 777







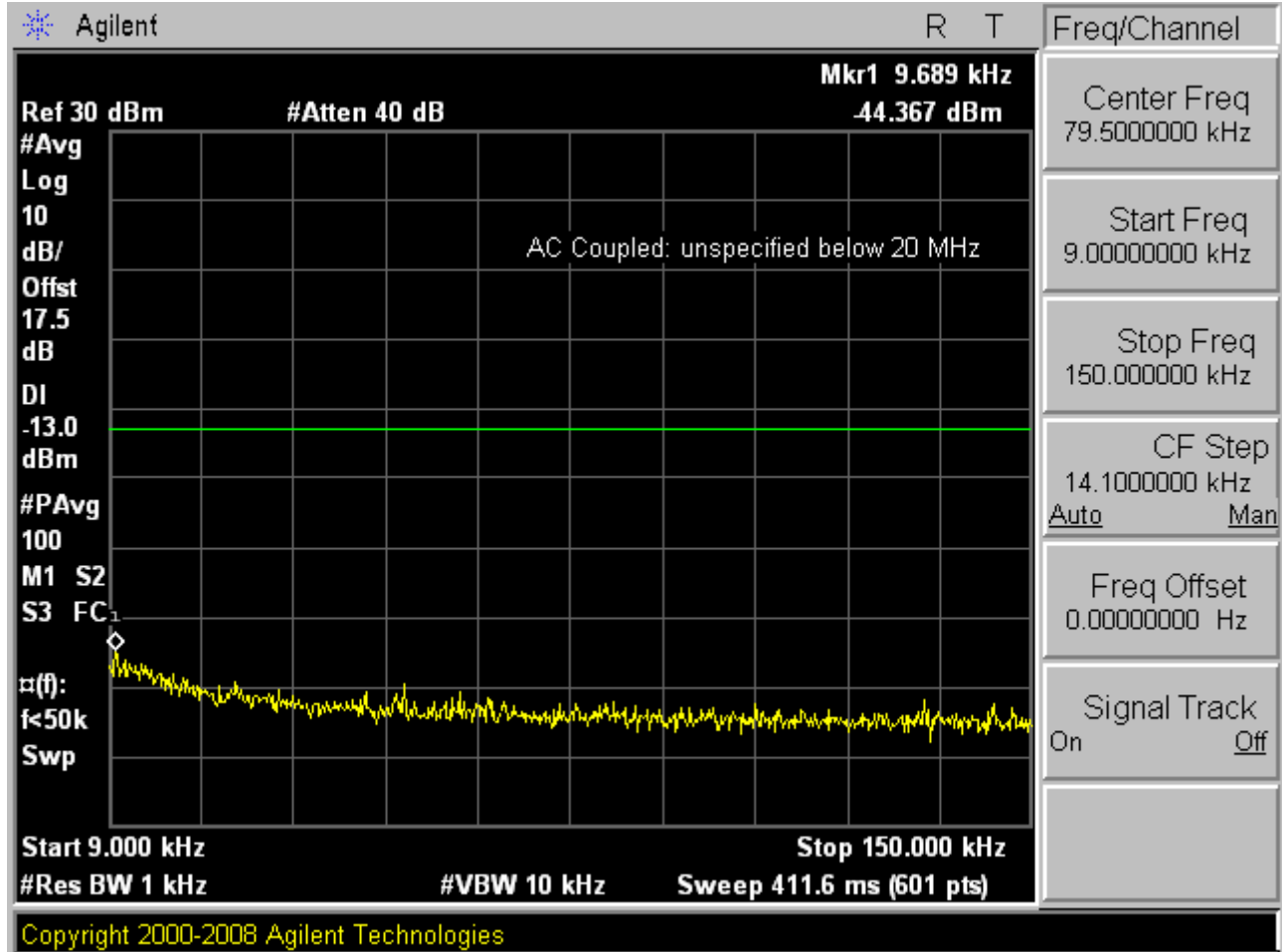


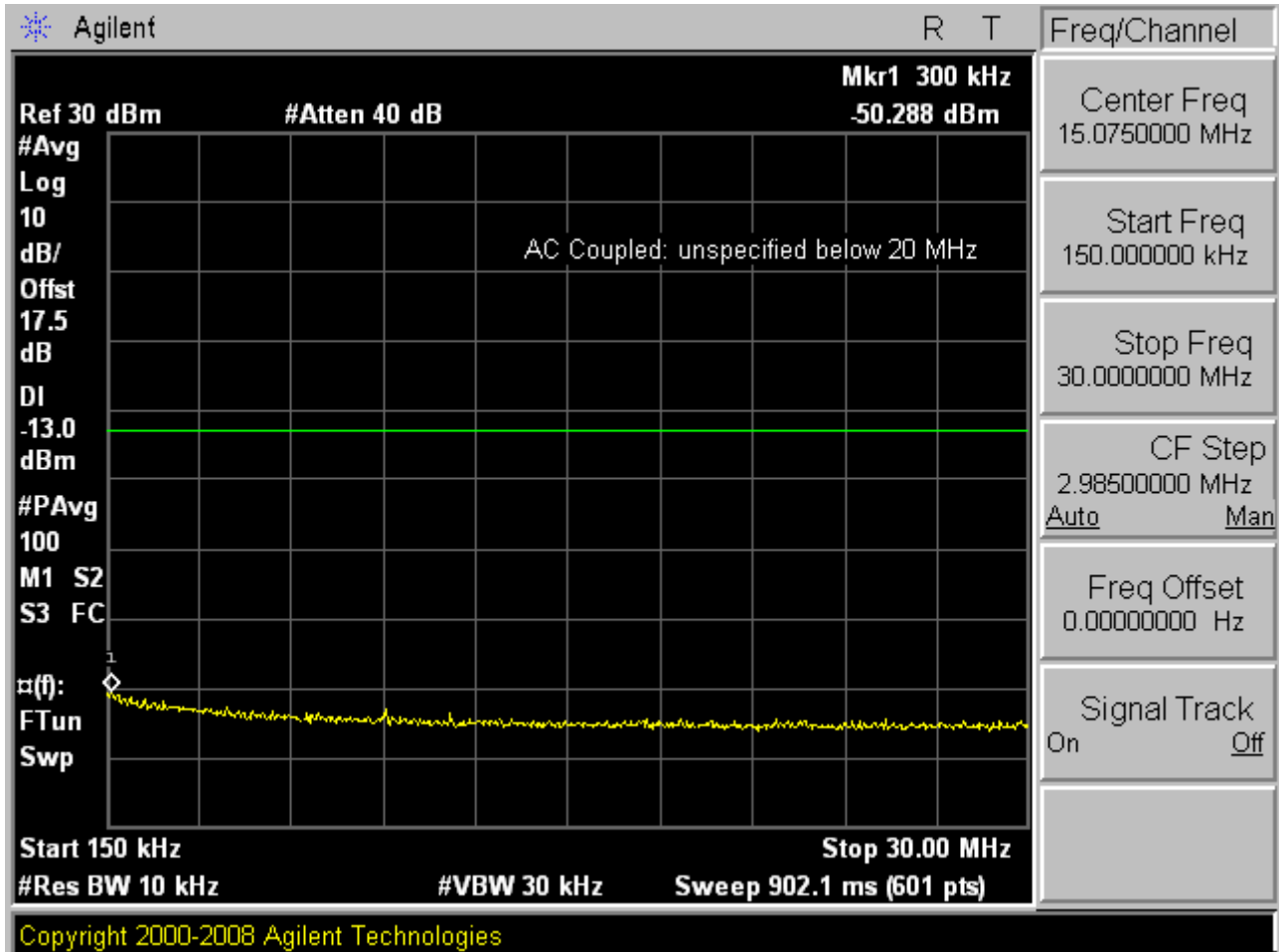


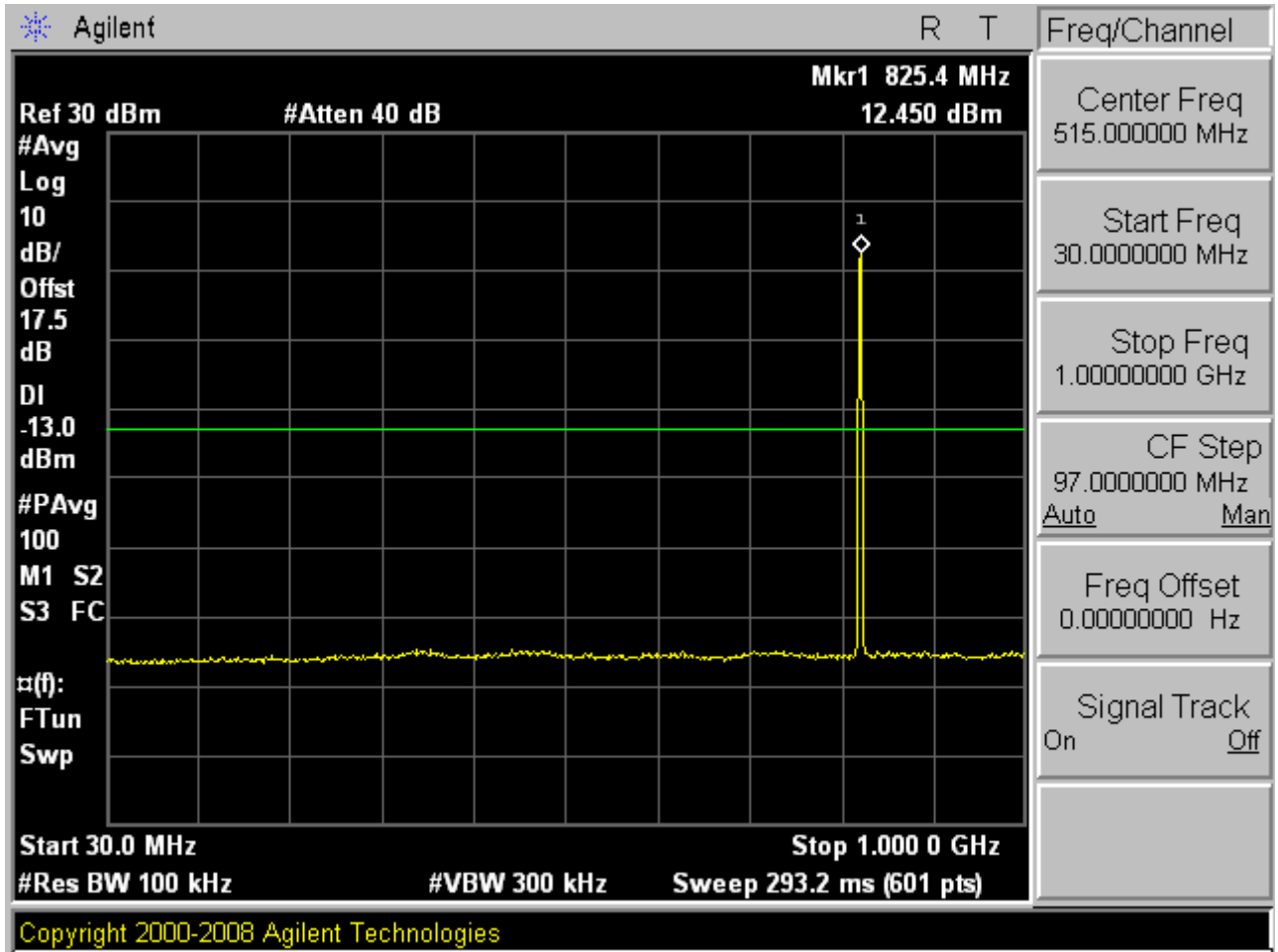


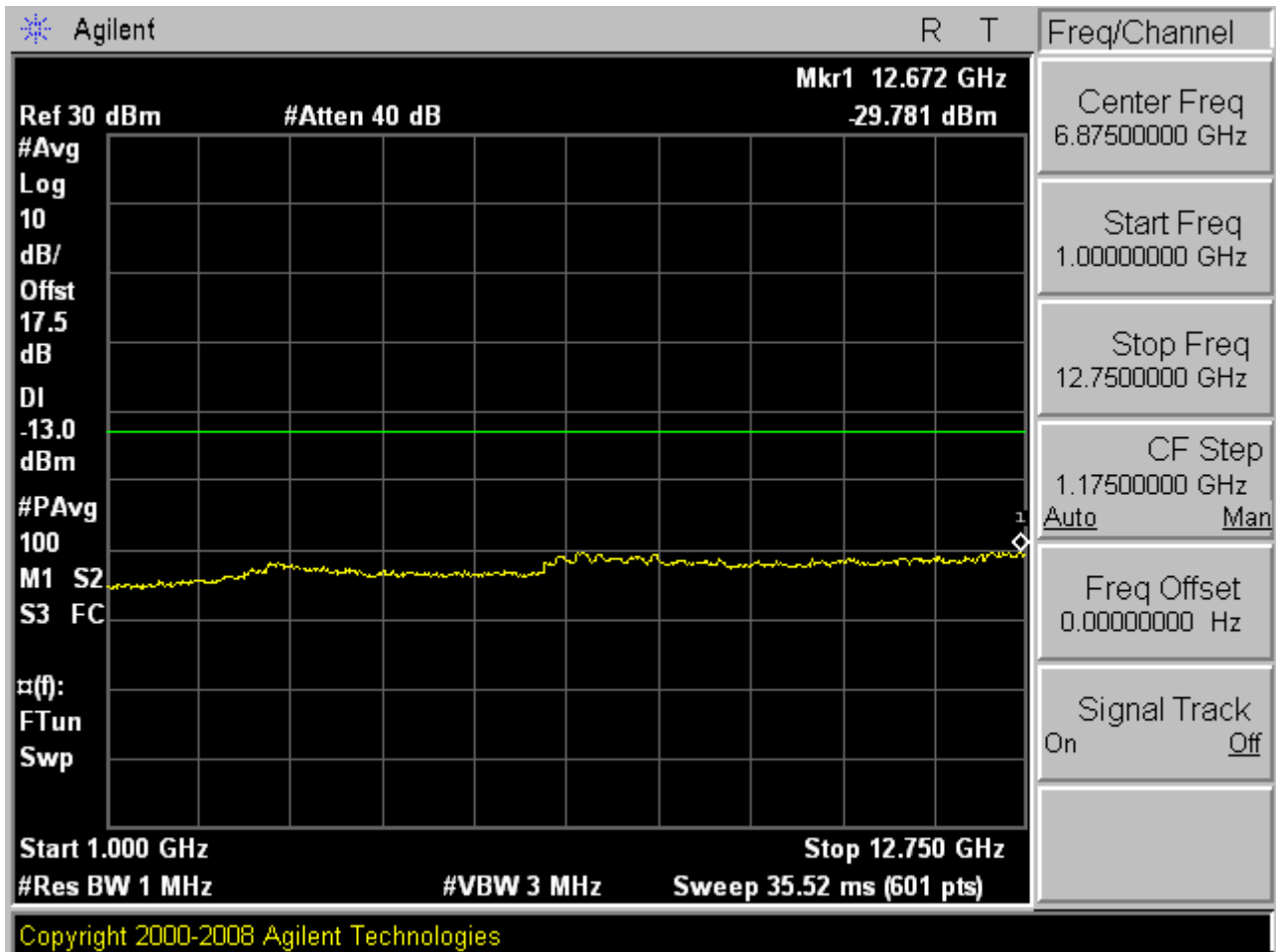
# EVDO subtype 0

## Channel 1013



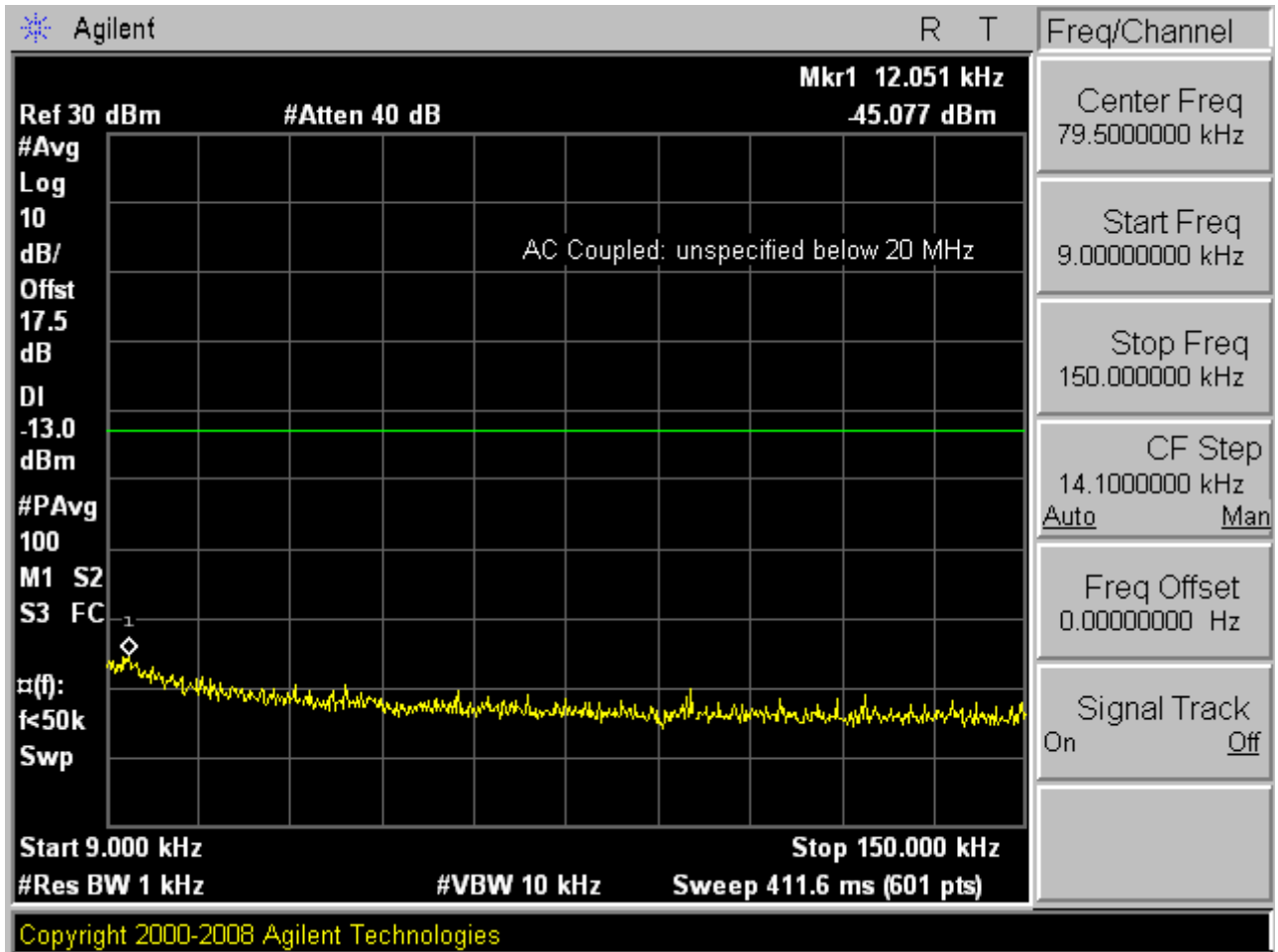


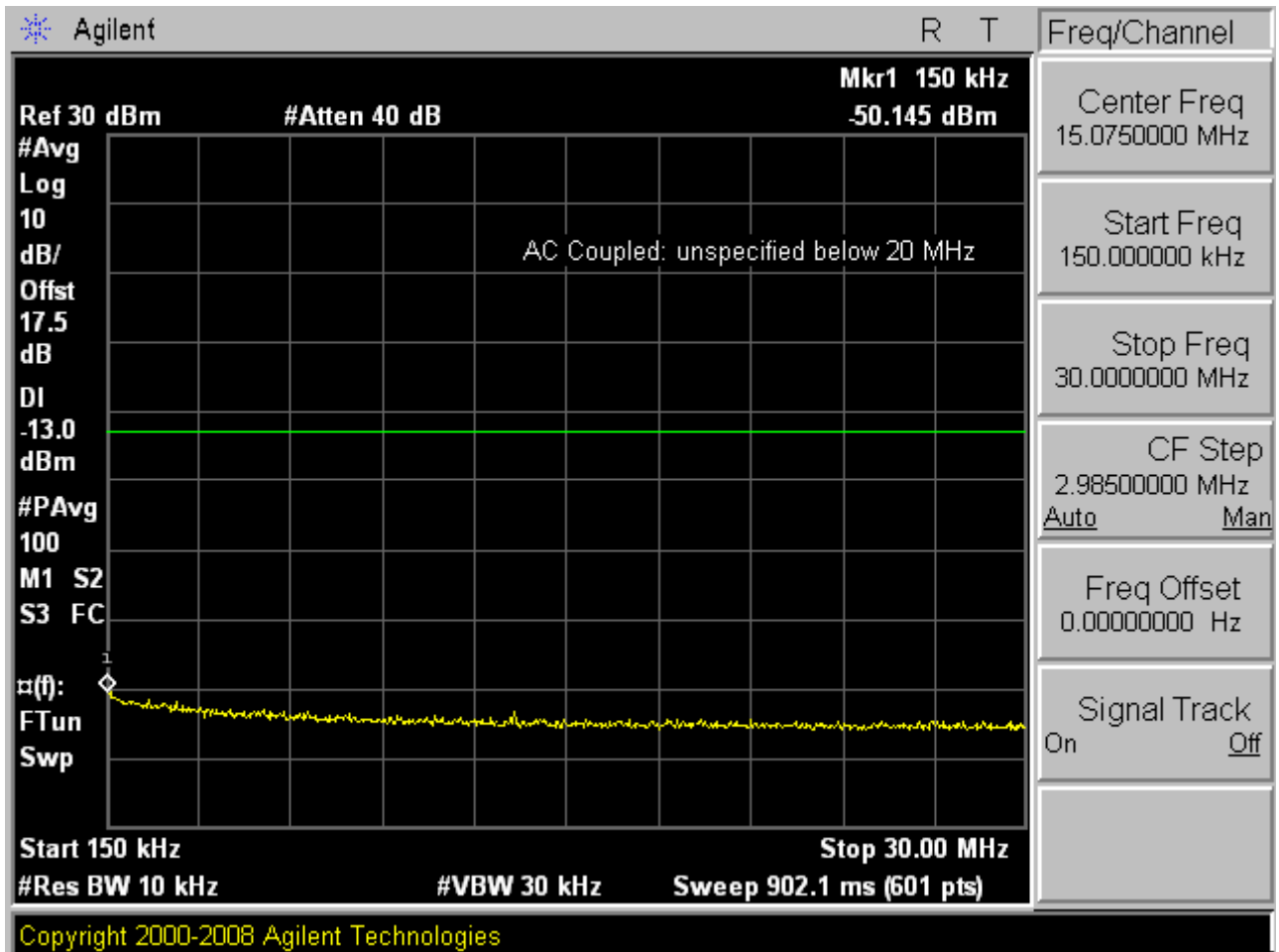




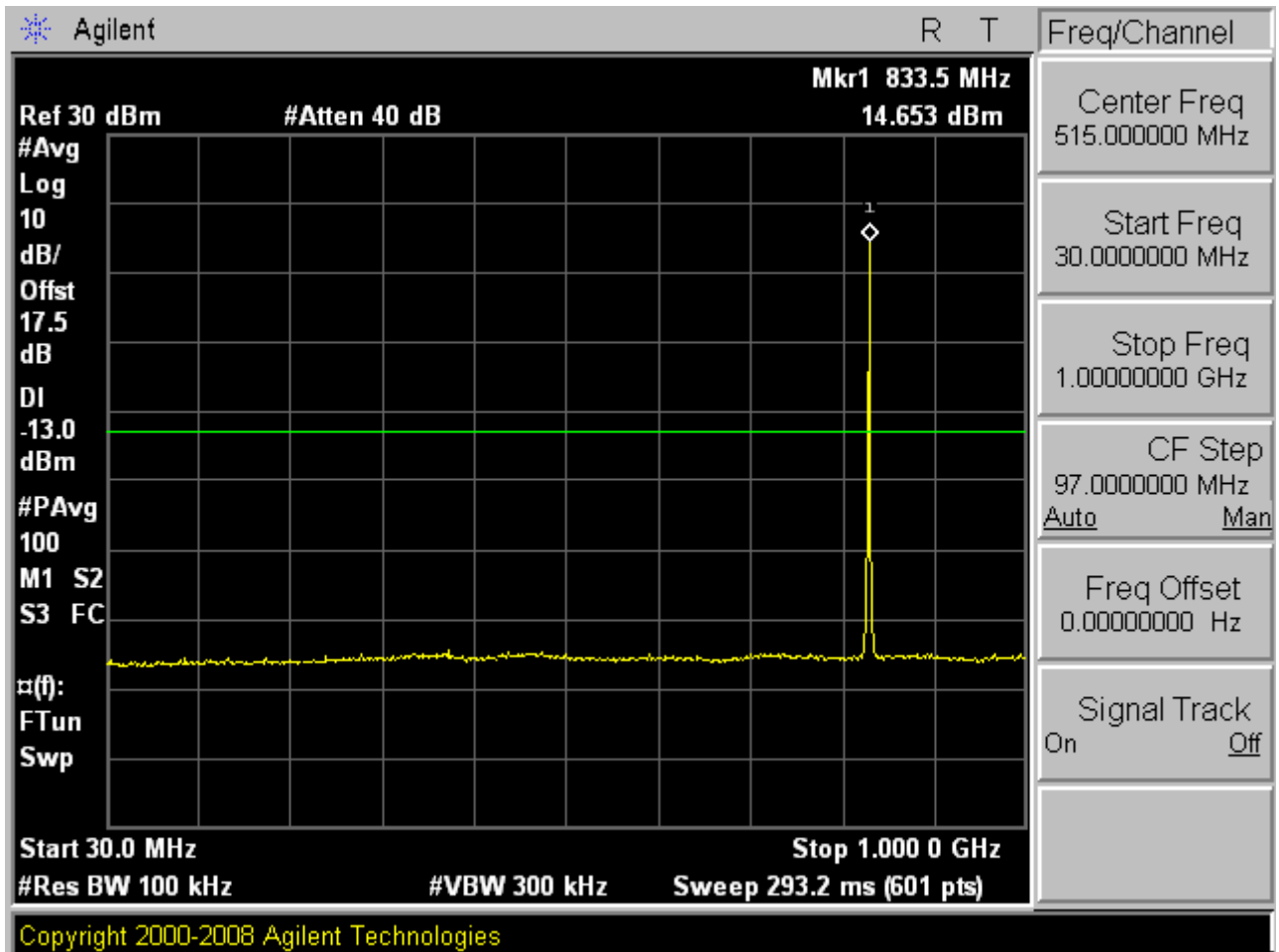


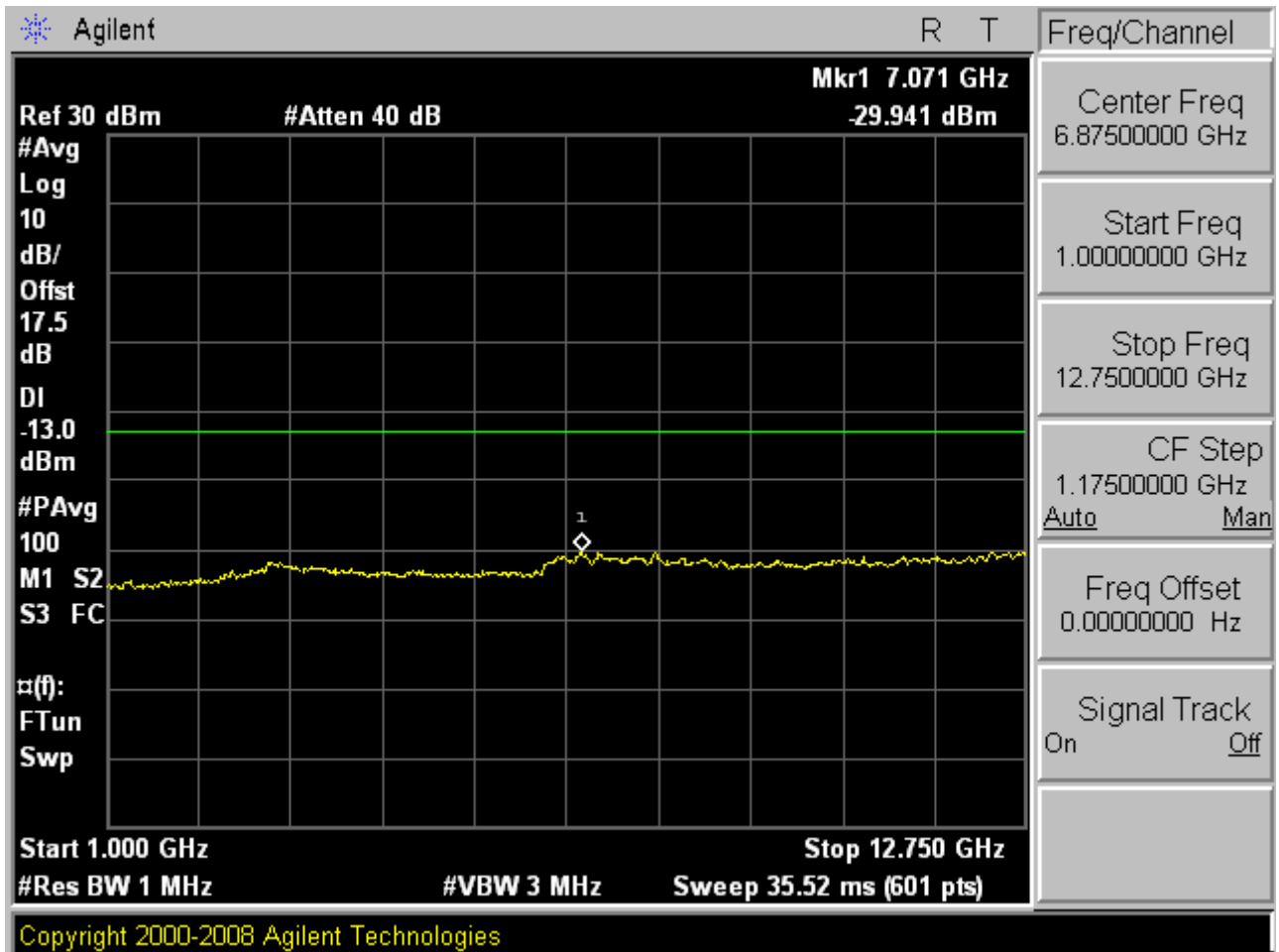
## Channel 283





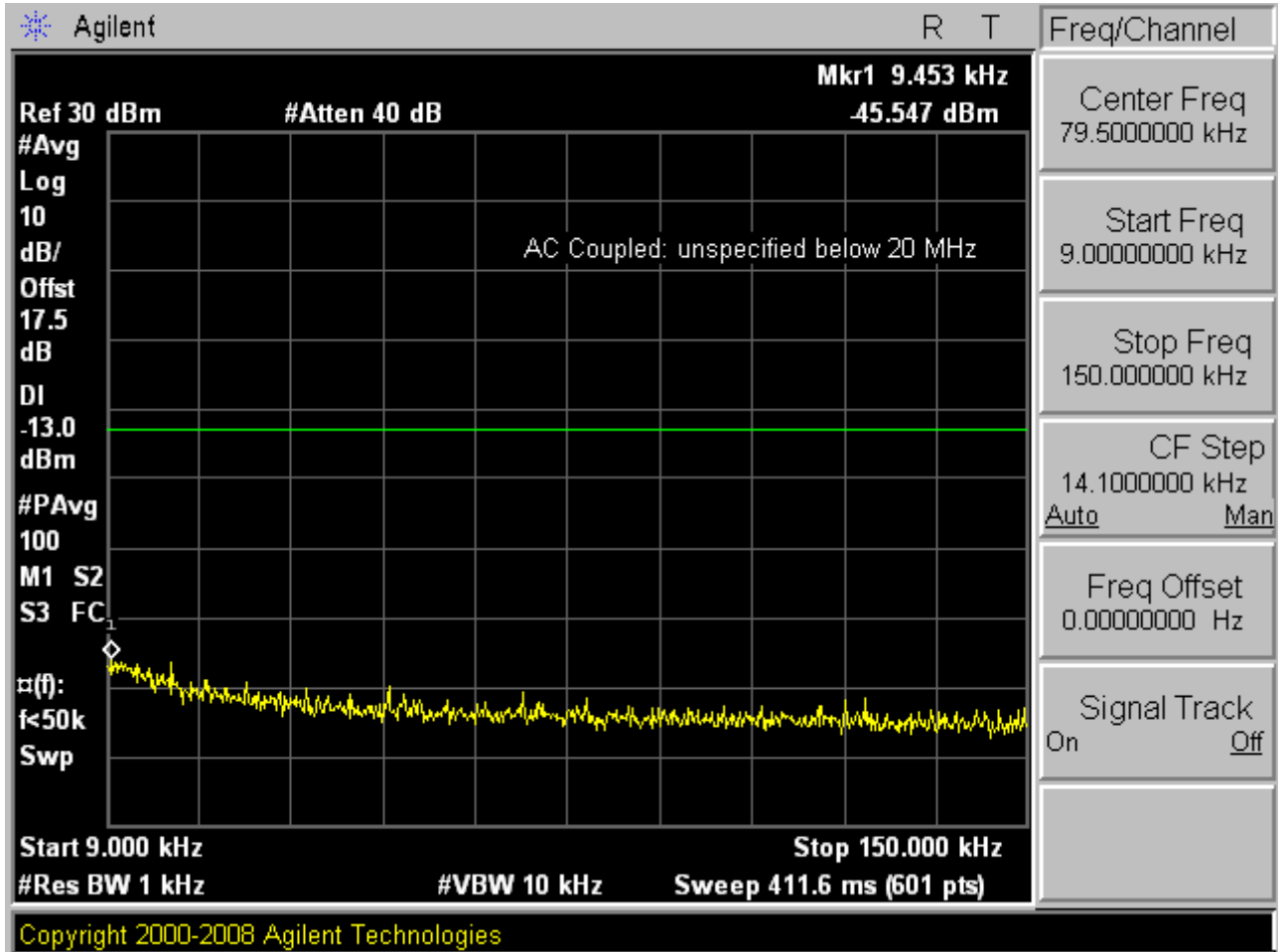


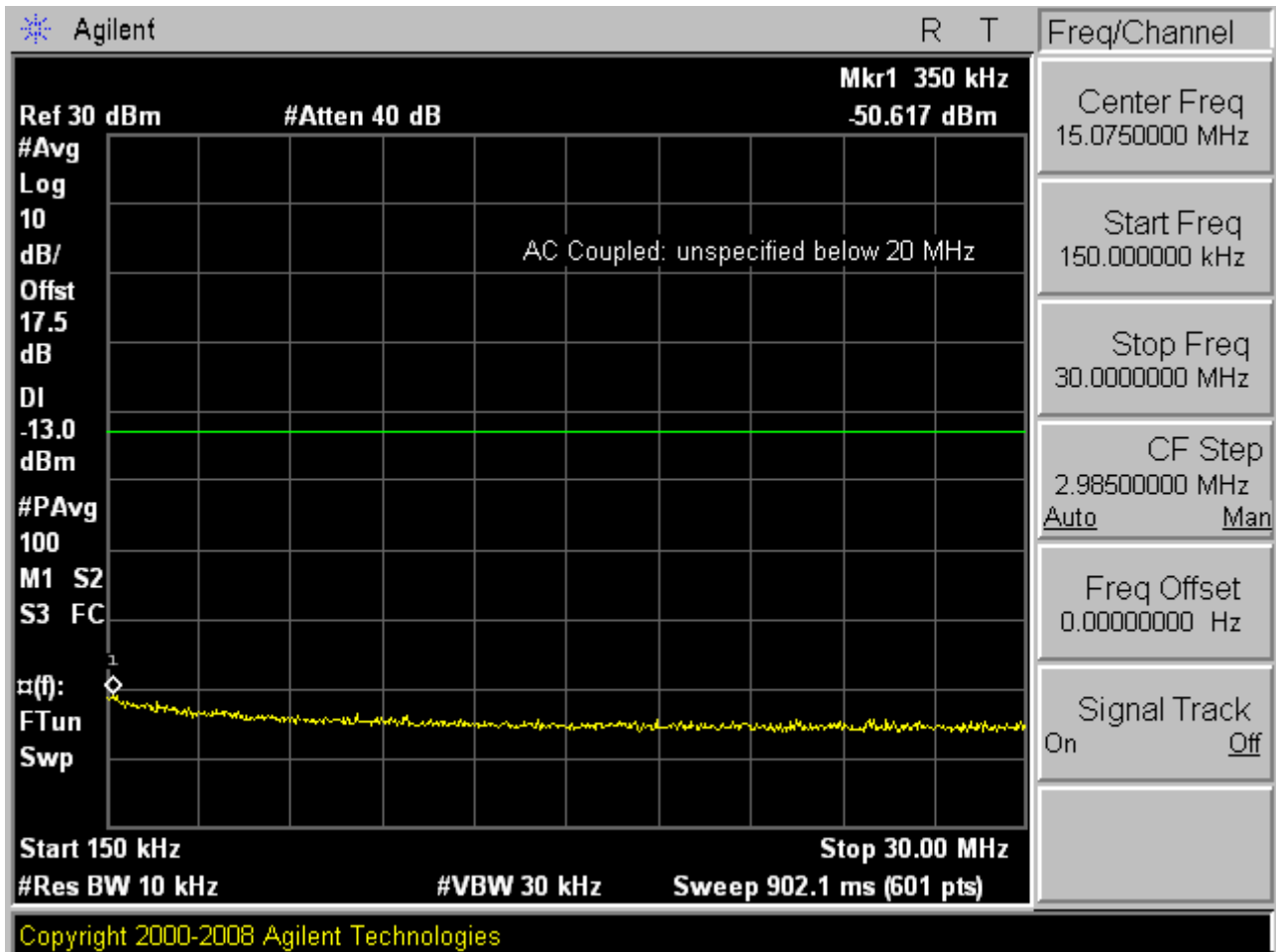


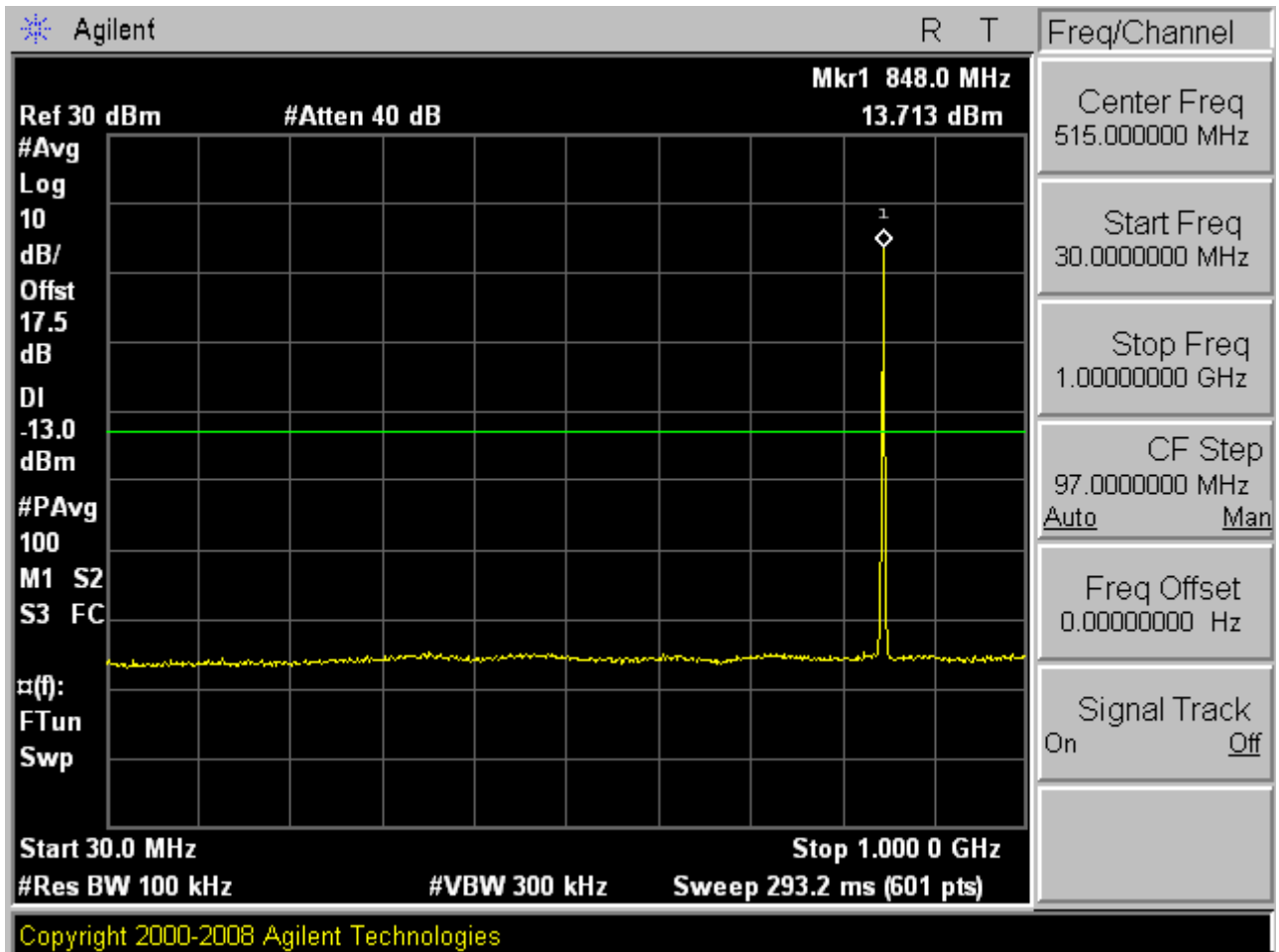


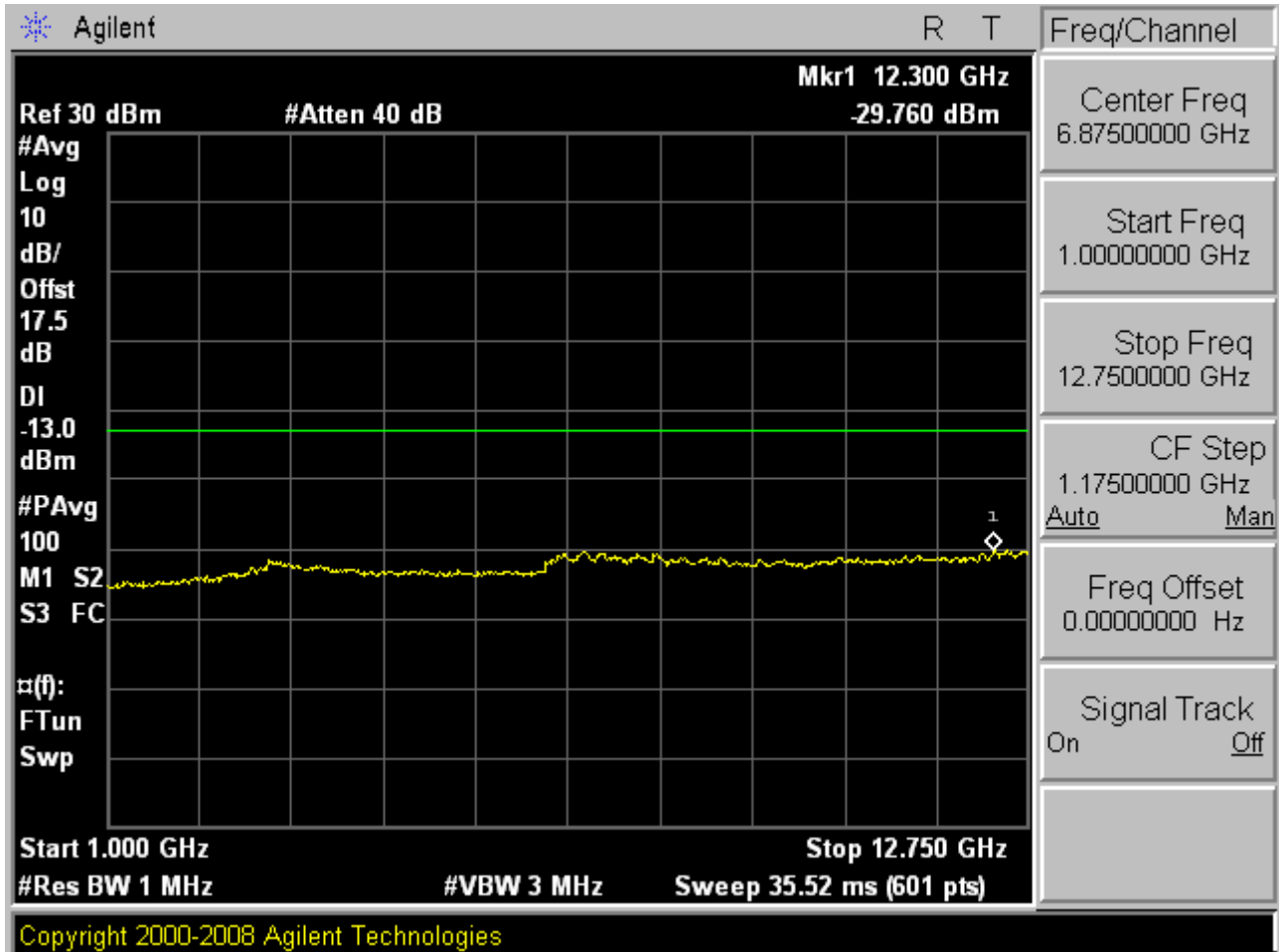


## Channel 777





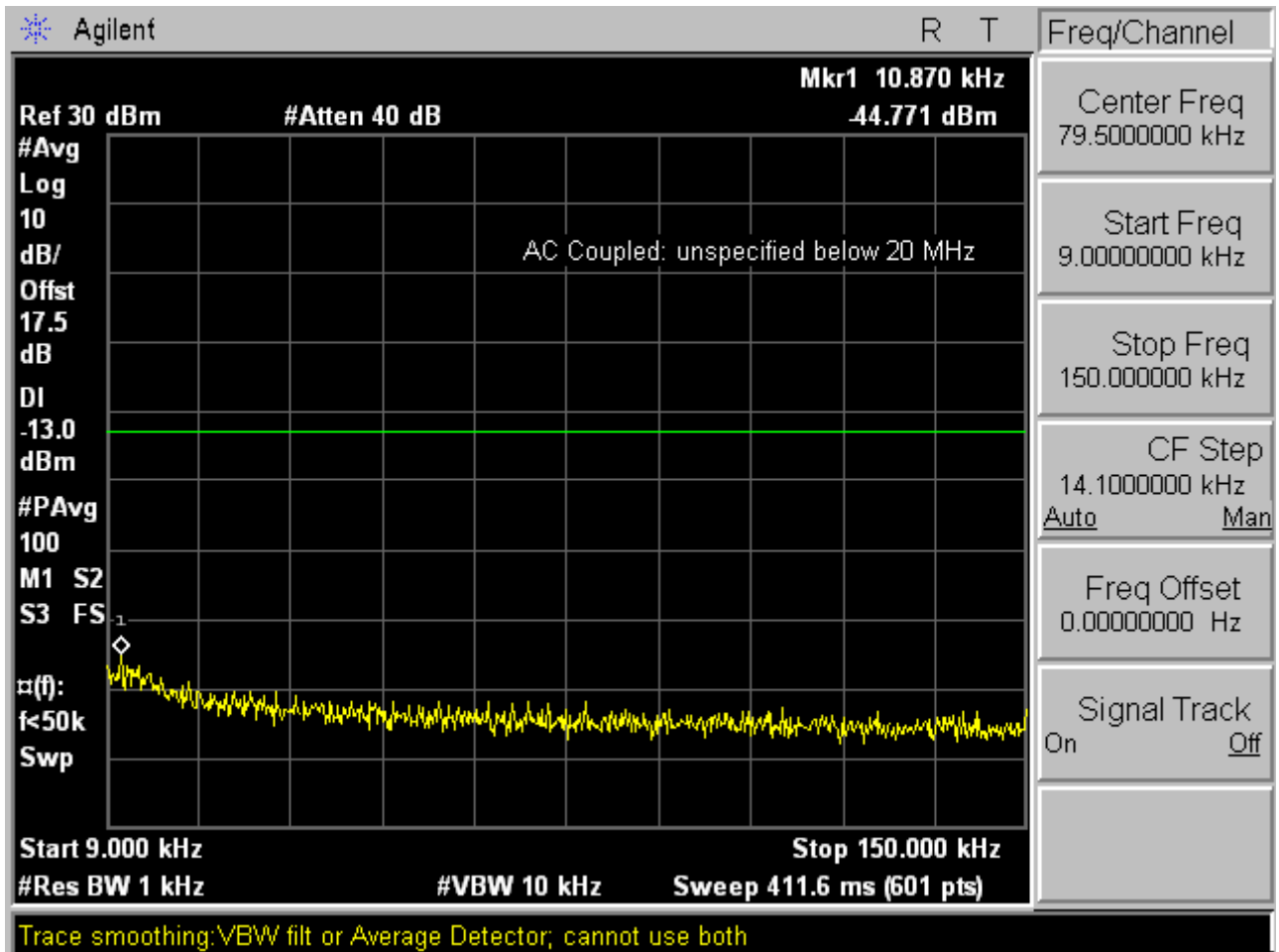


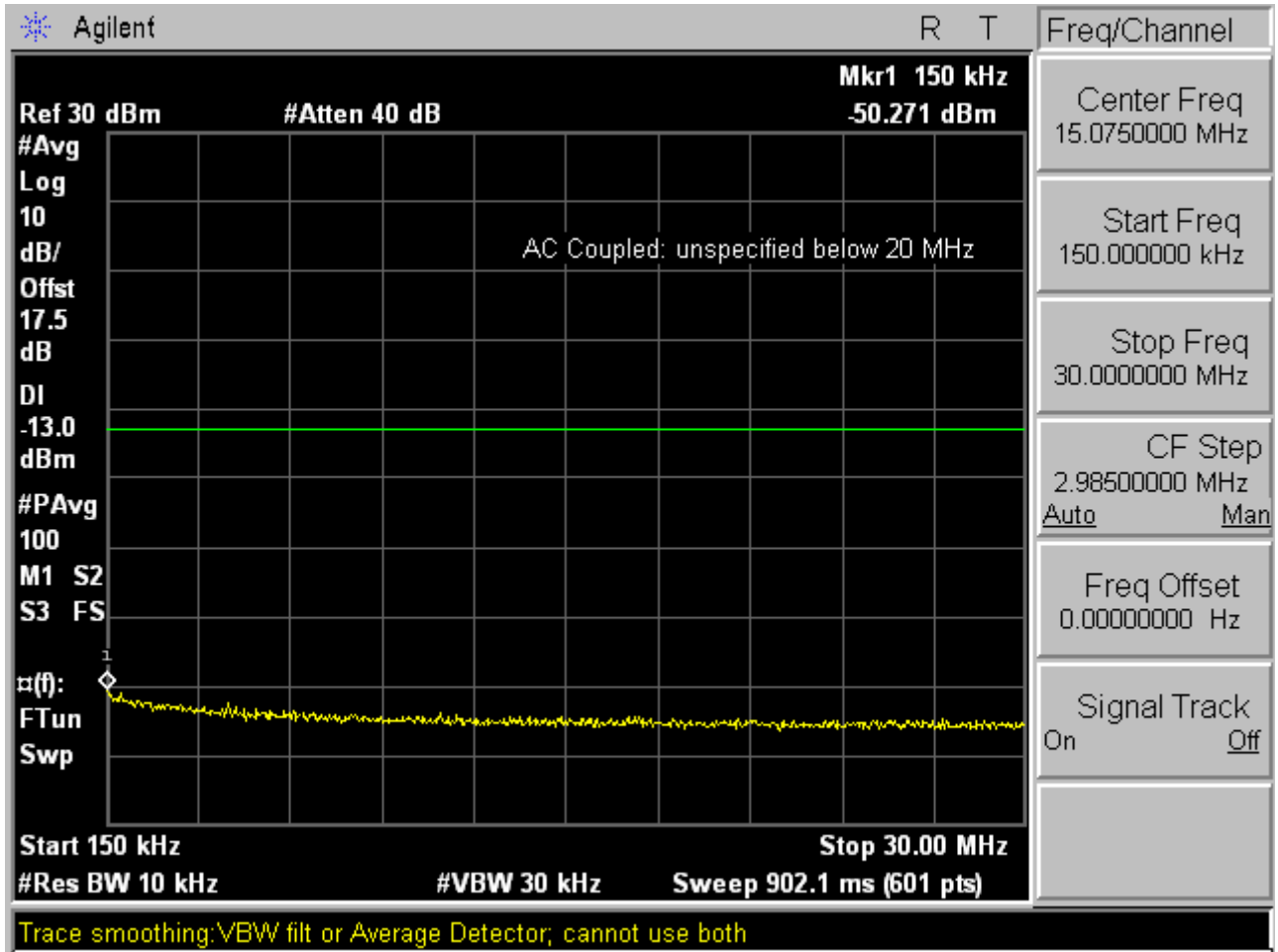


EVDO subtype 2

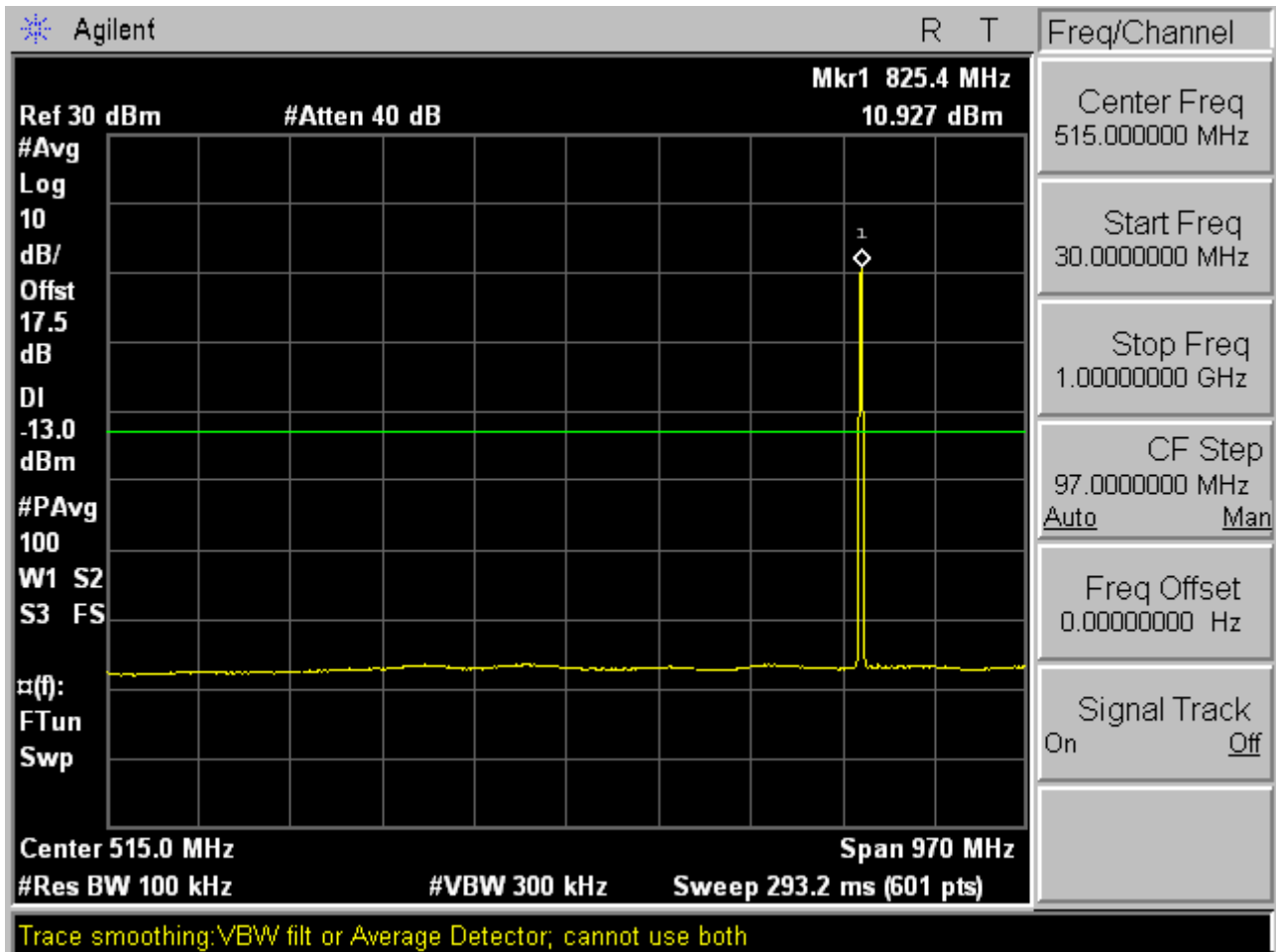
Modulation: HPSK

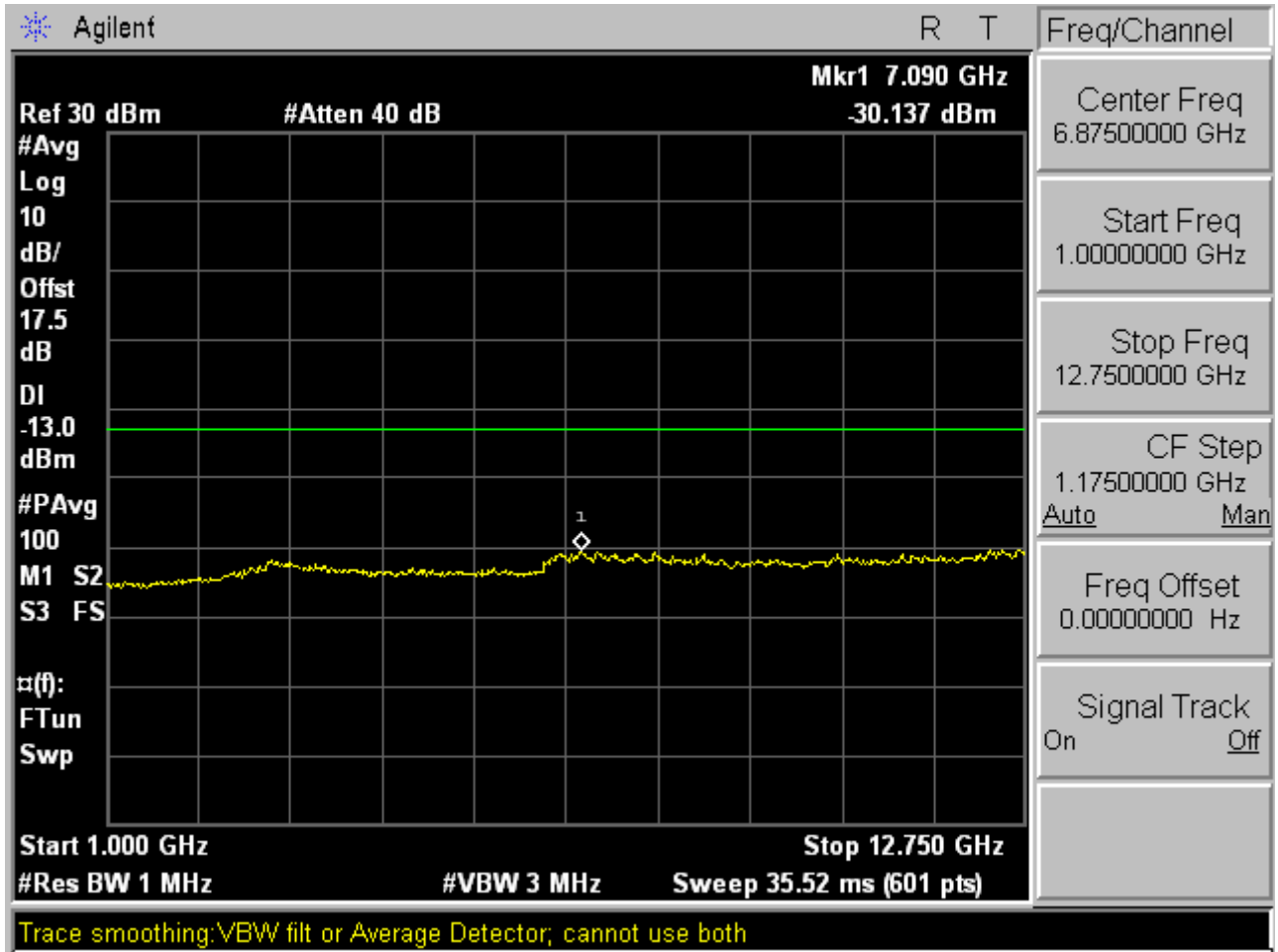
Channel 1013



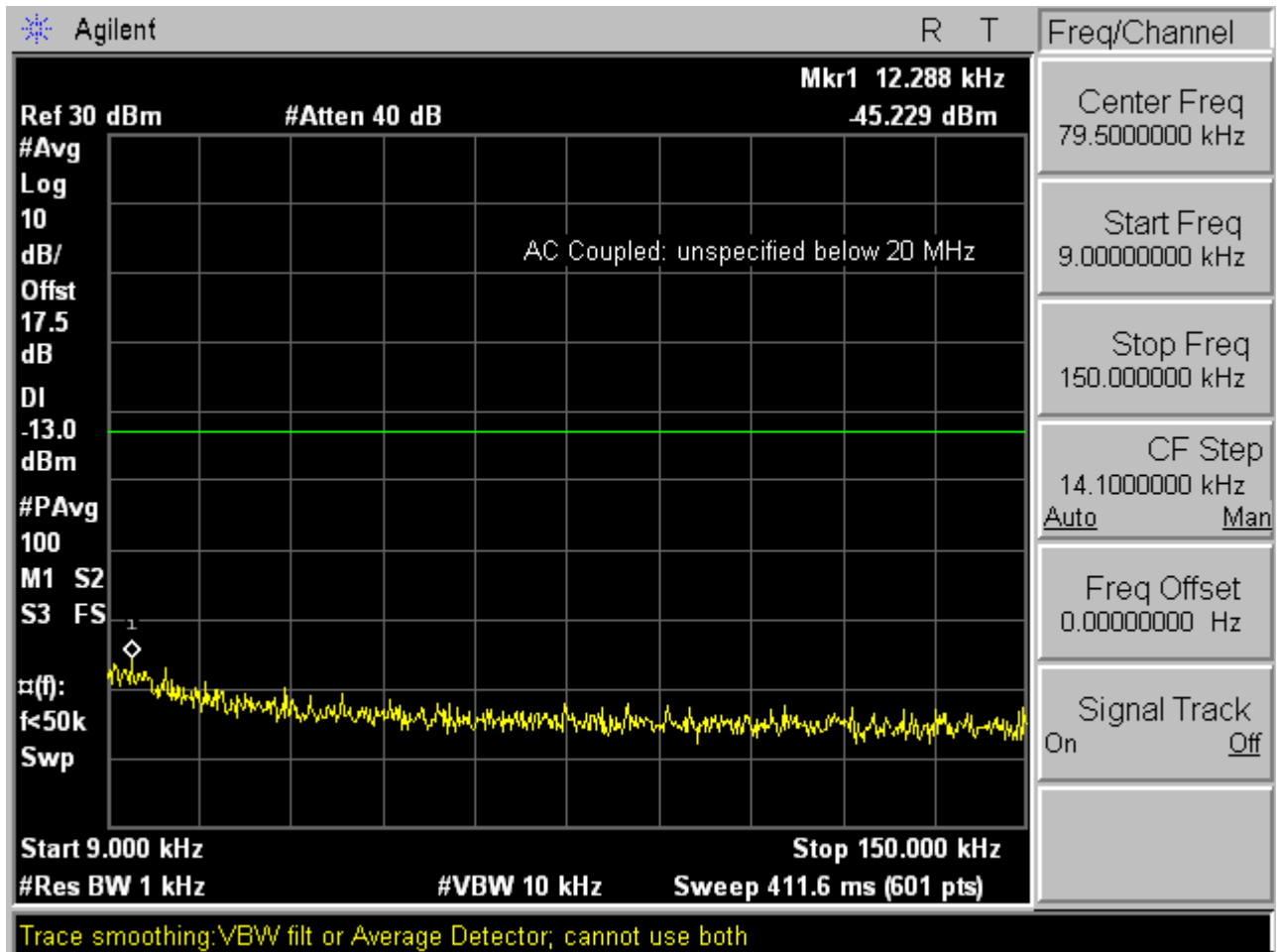


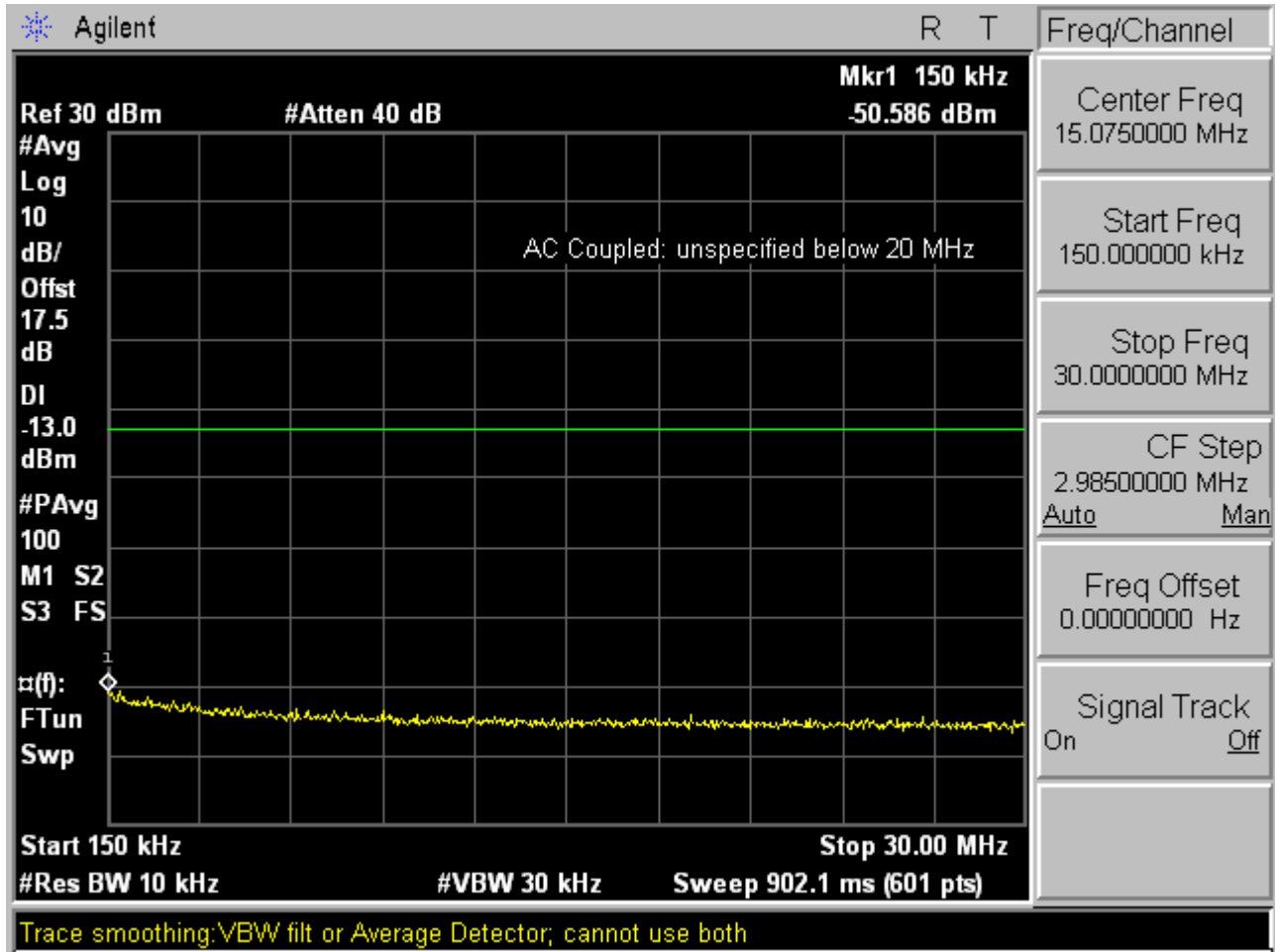


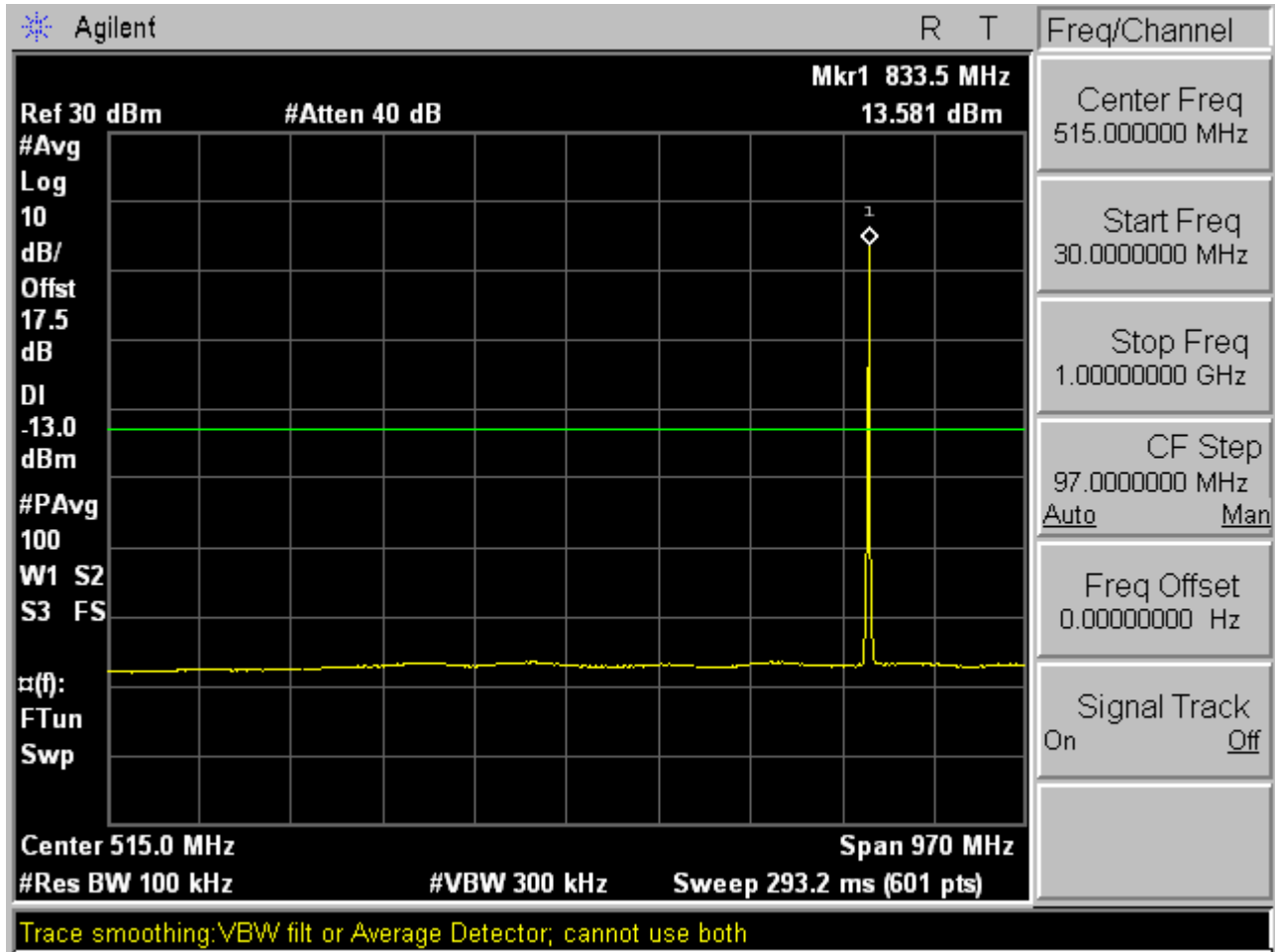


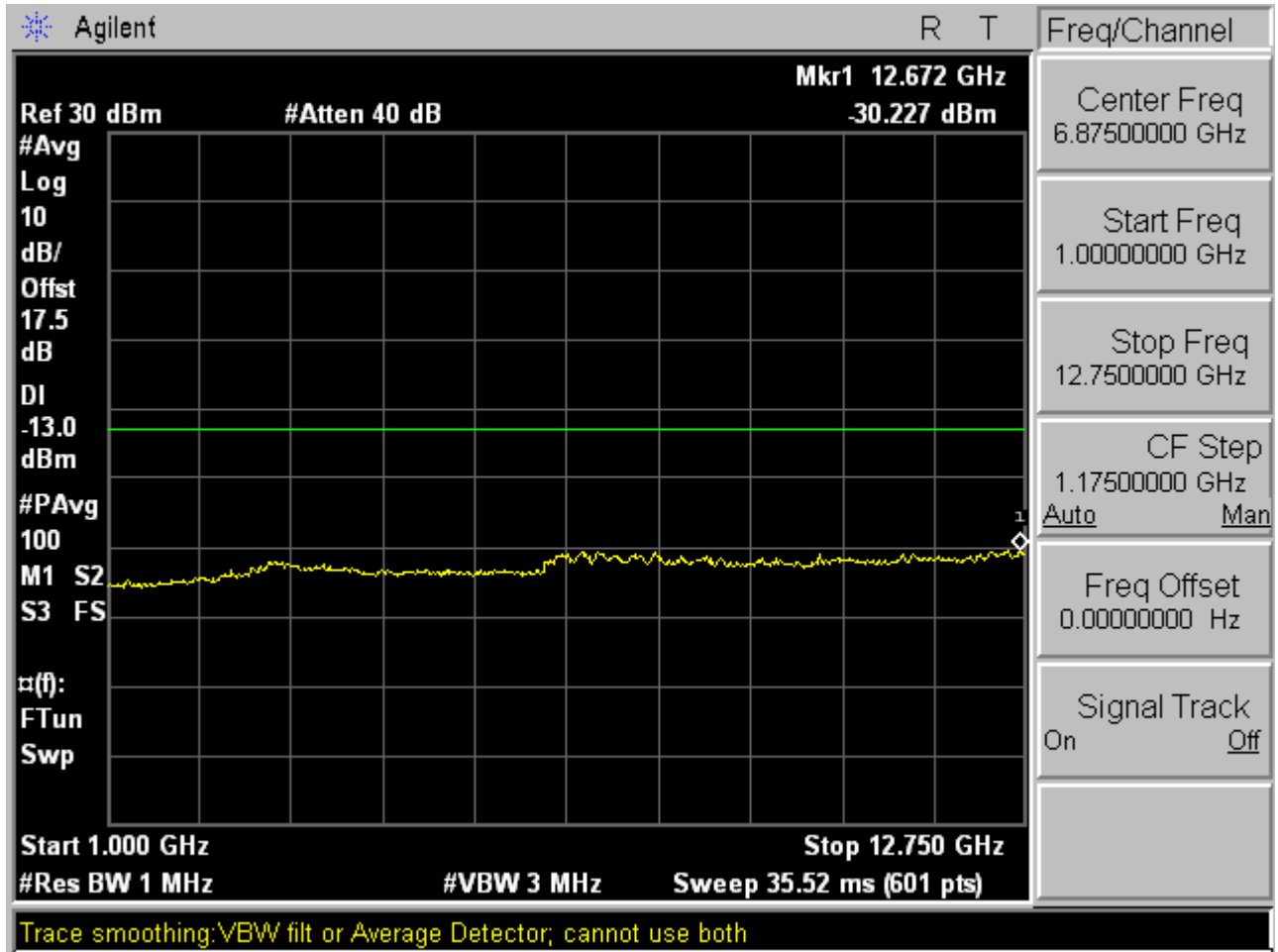


## Channel 283

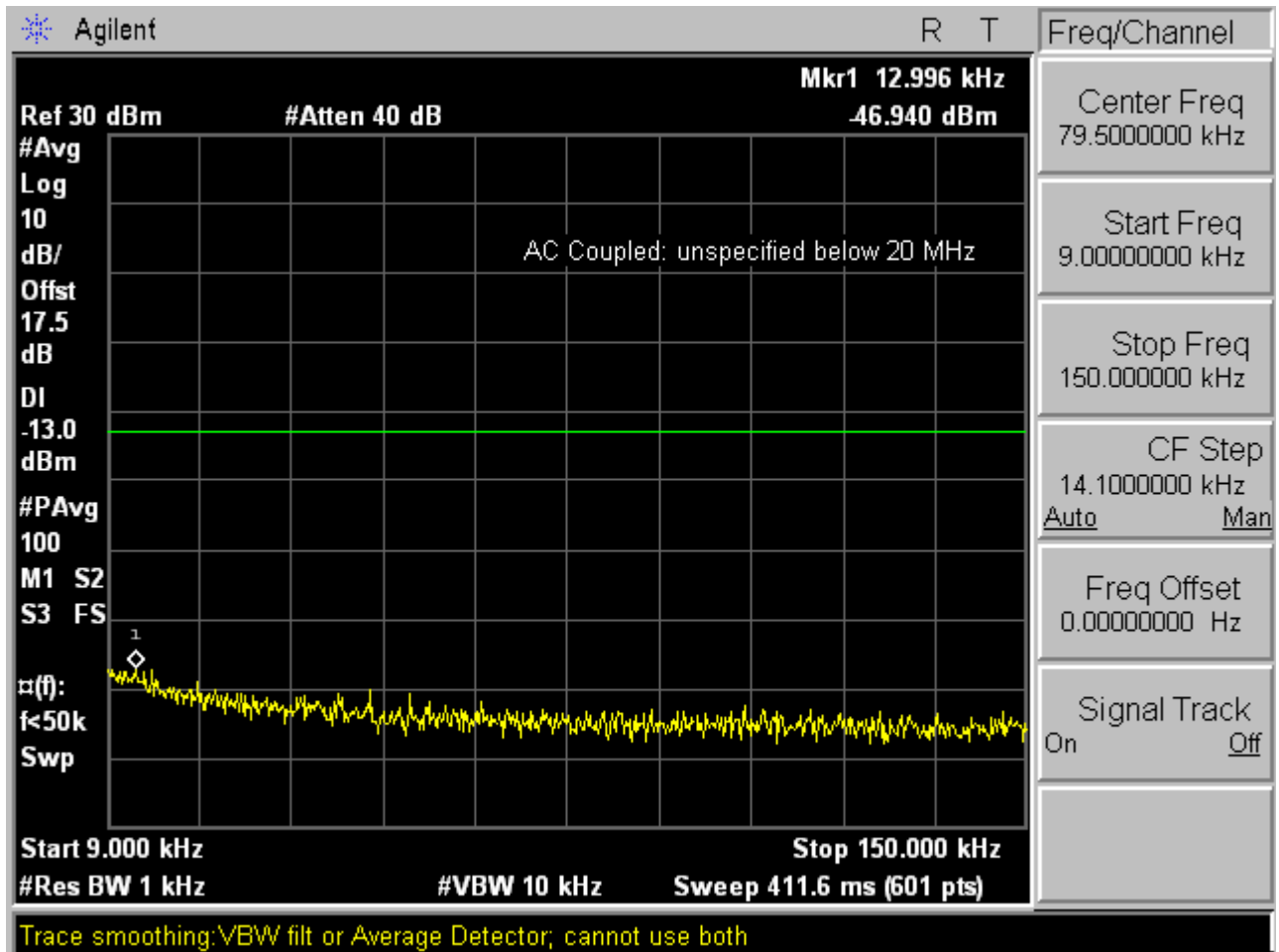


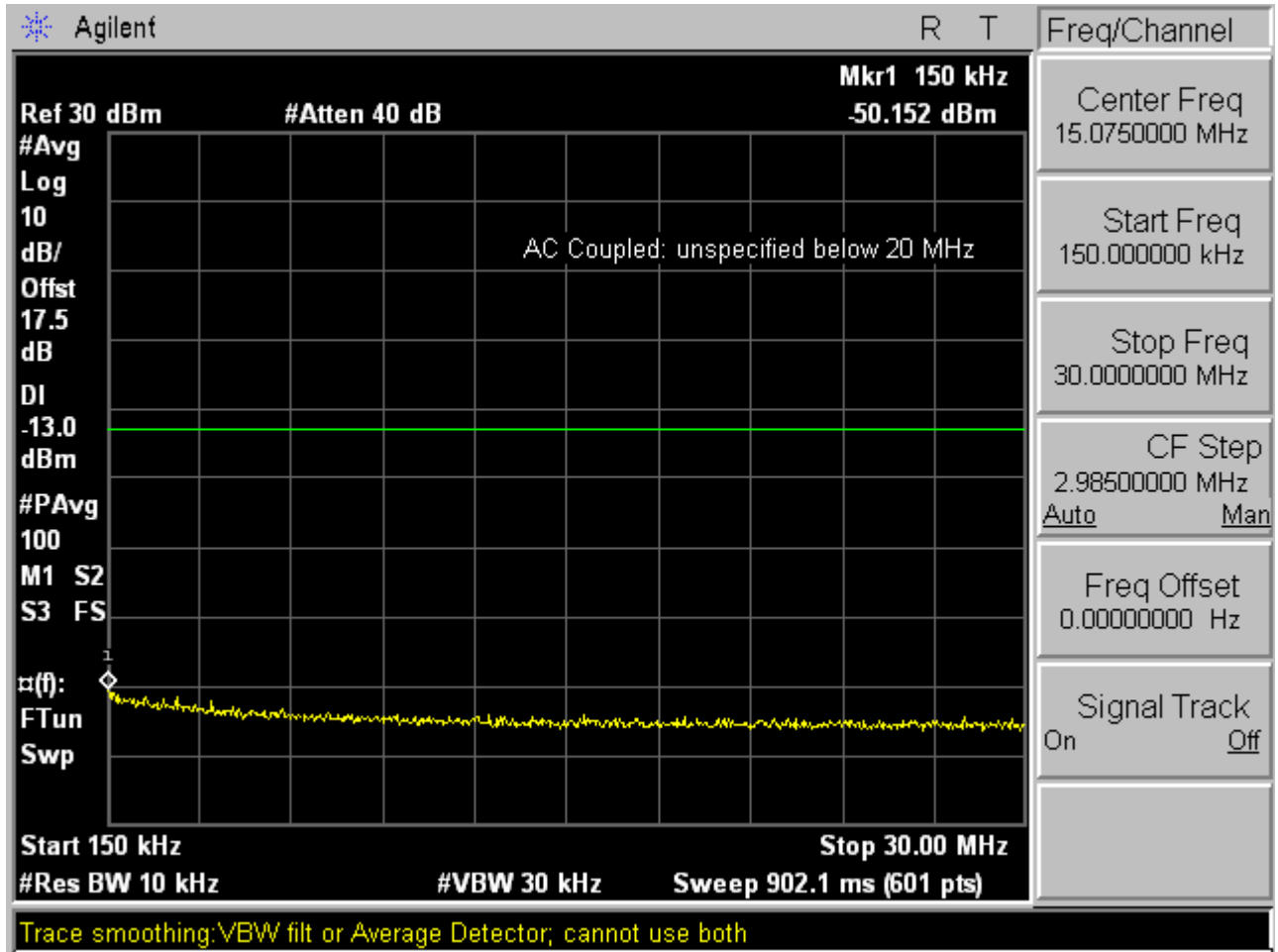




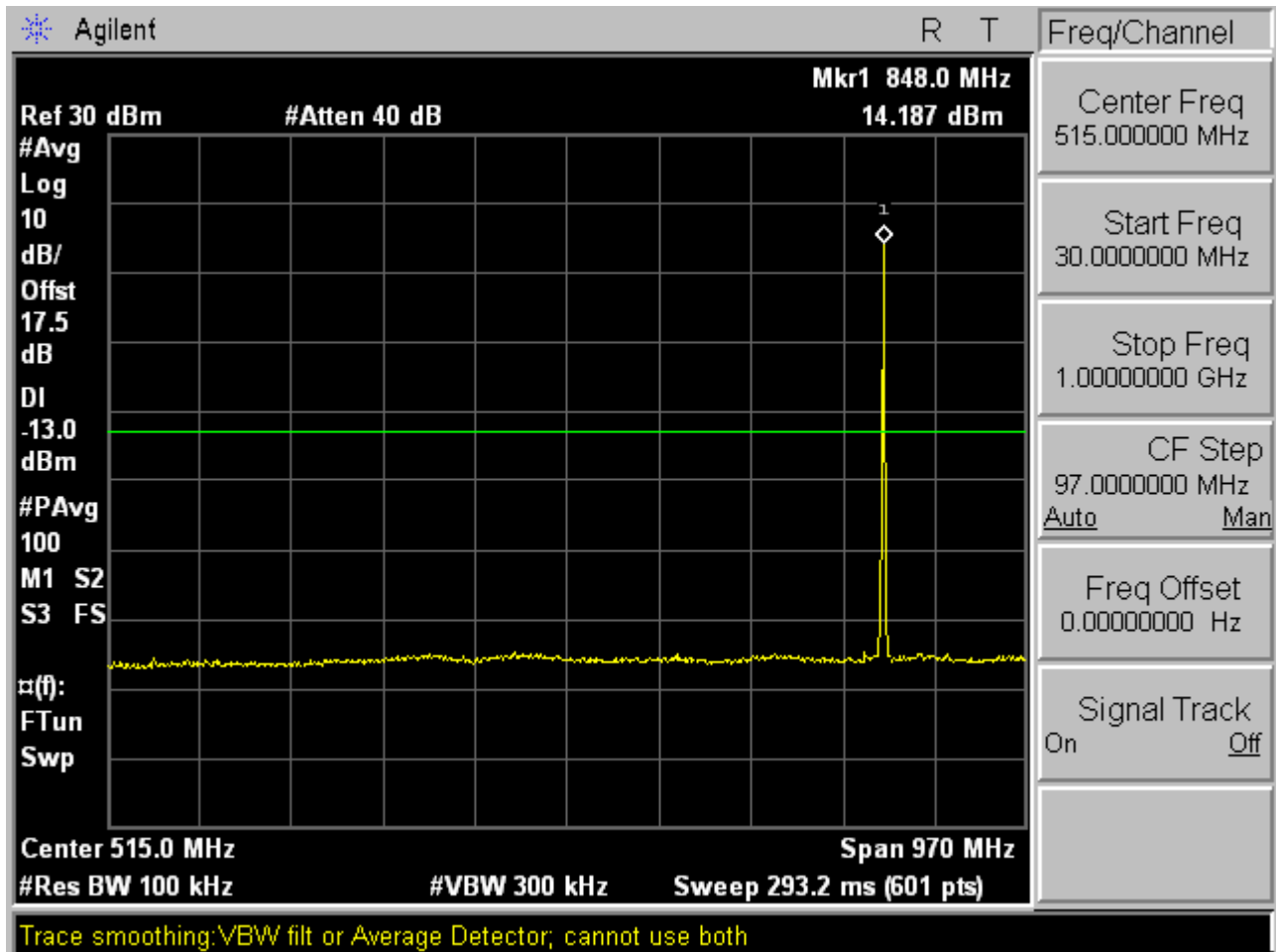


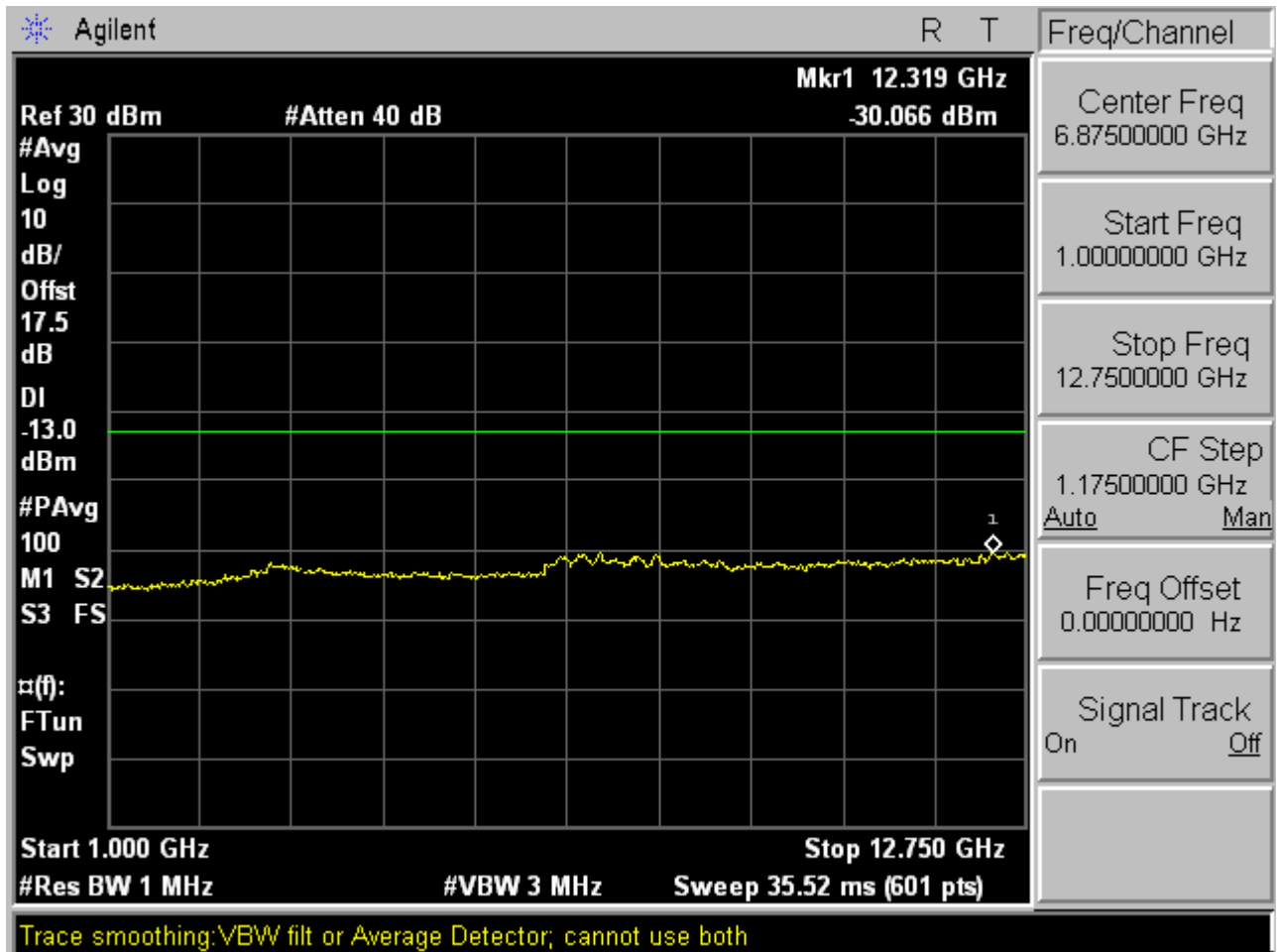
## Channel 777







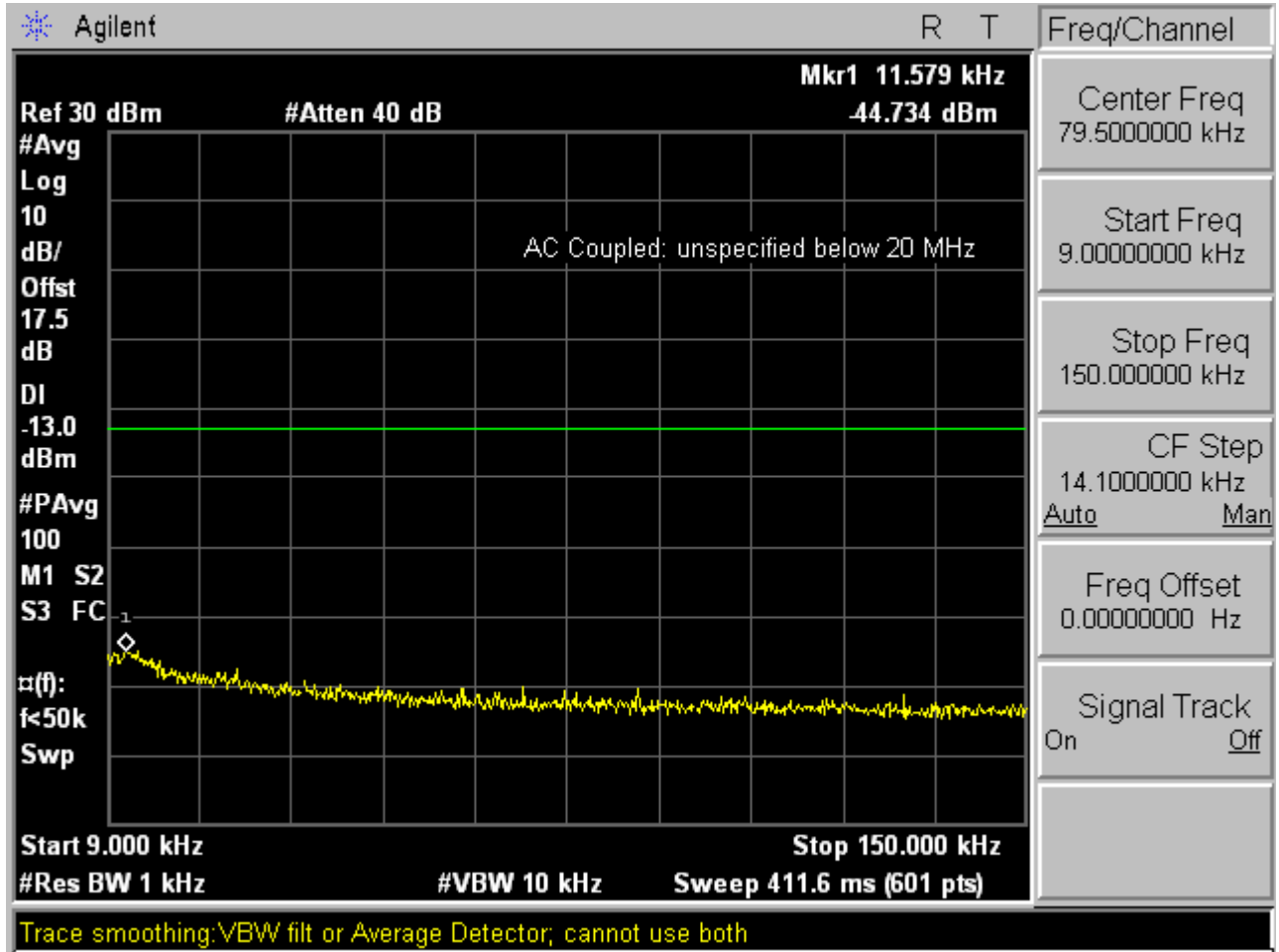


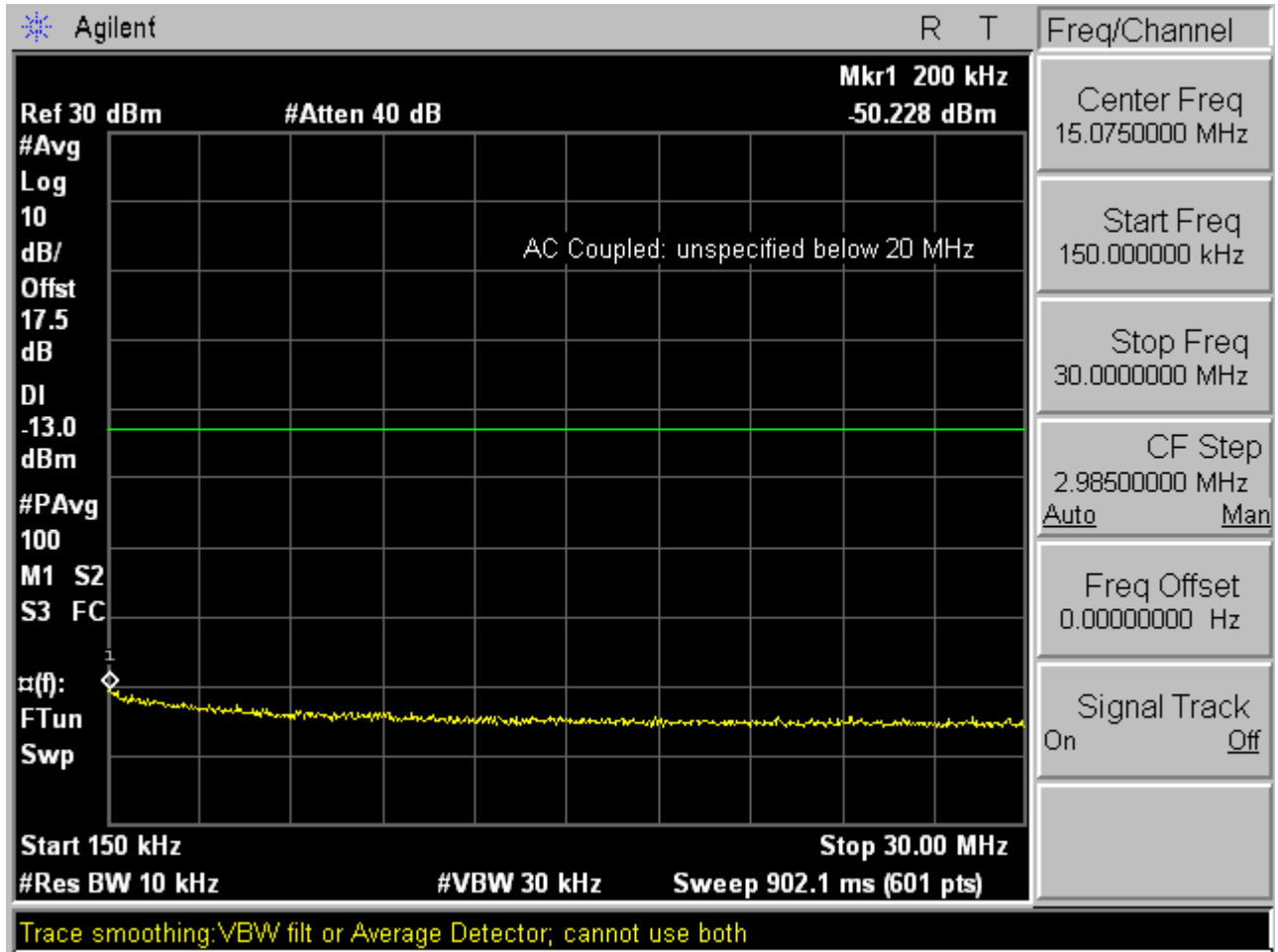


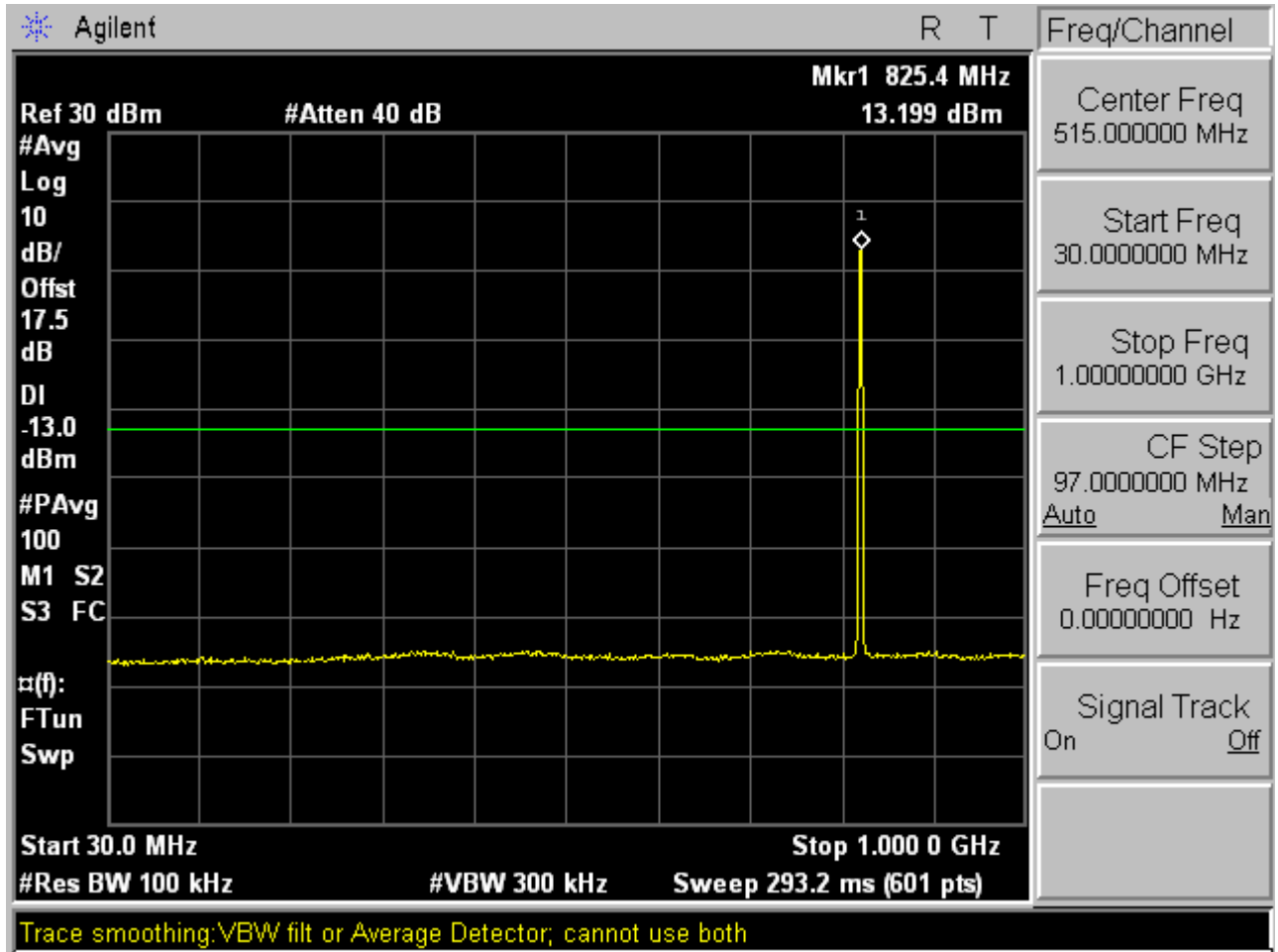


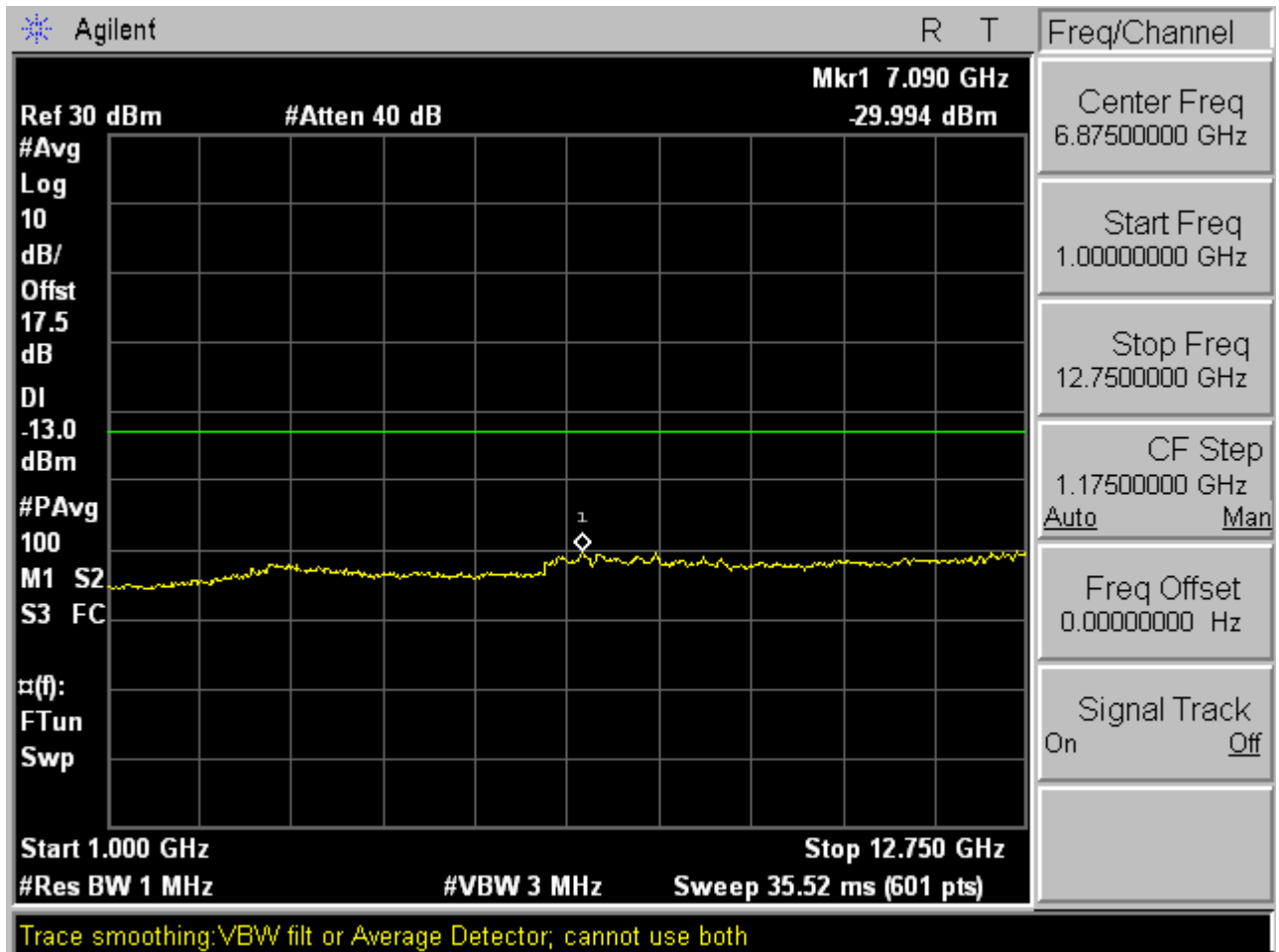
Modulation: QPSK

# Channel 1013



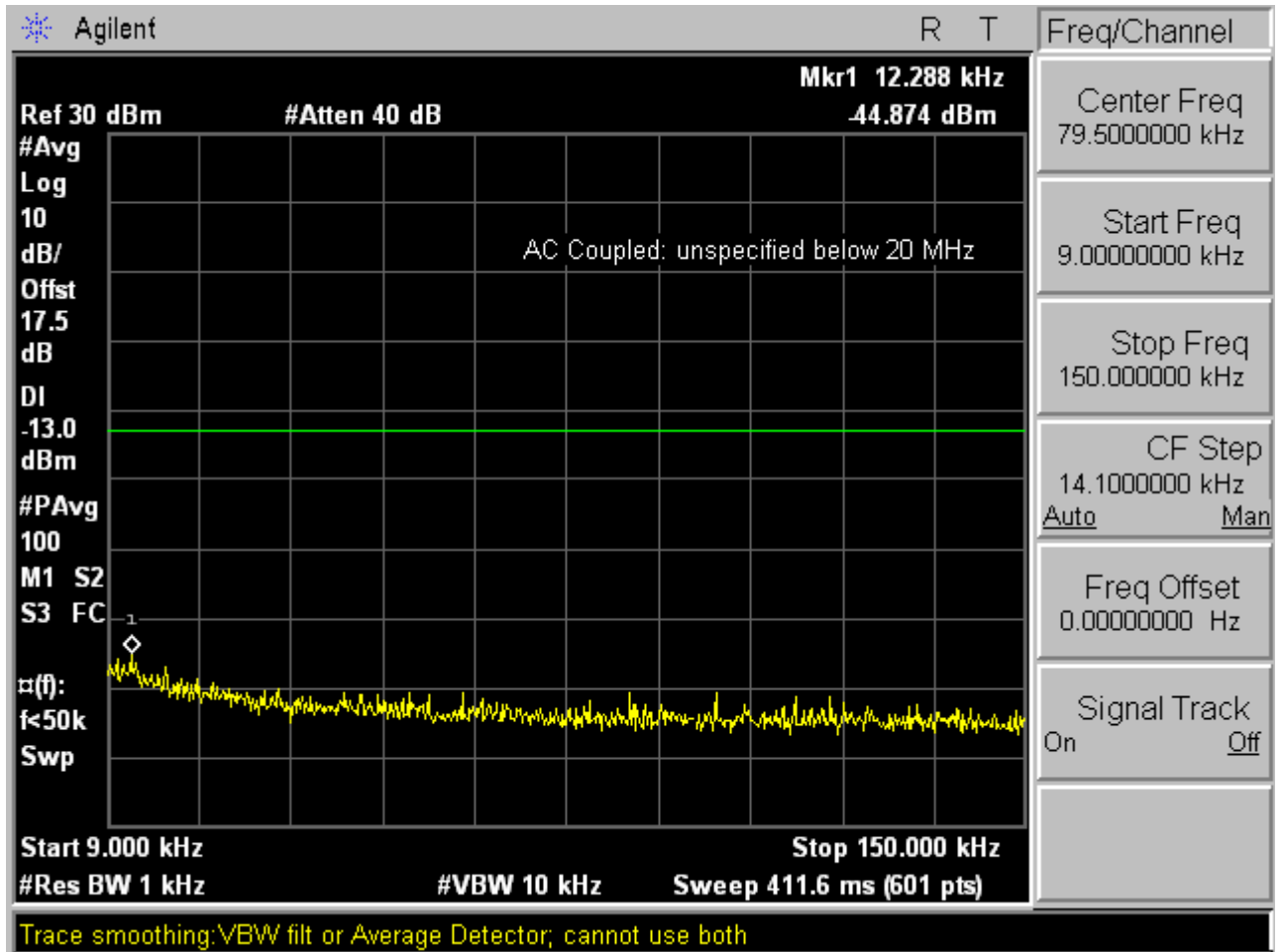


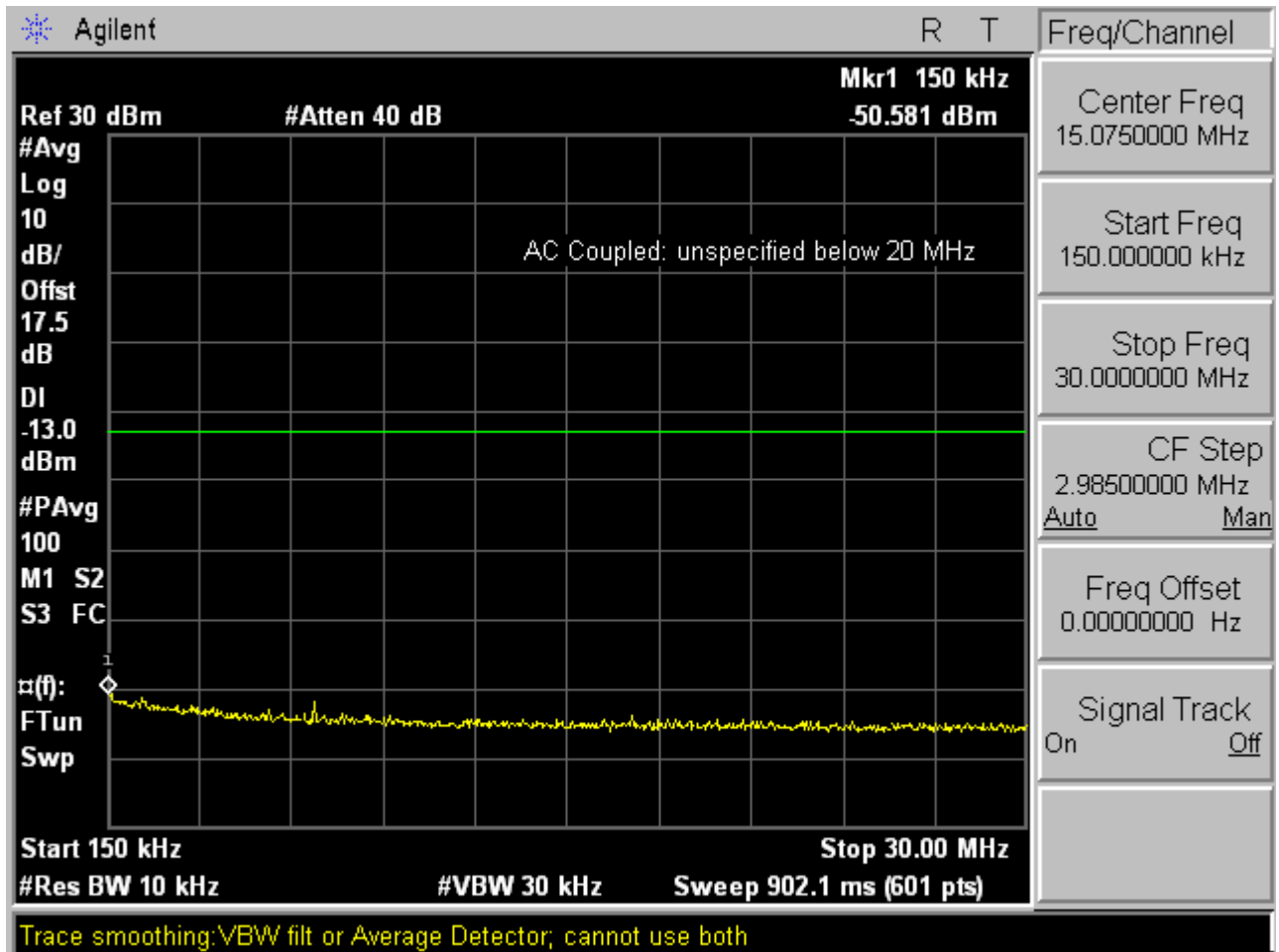




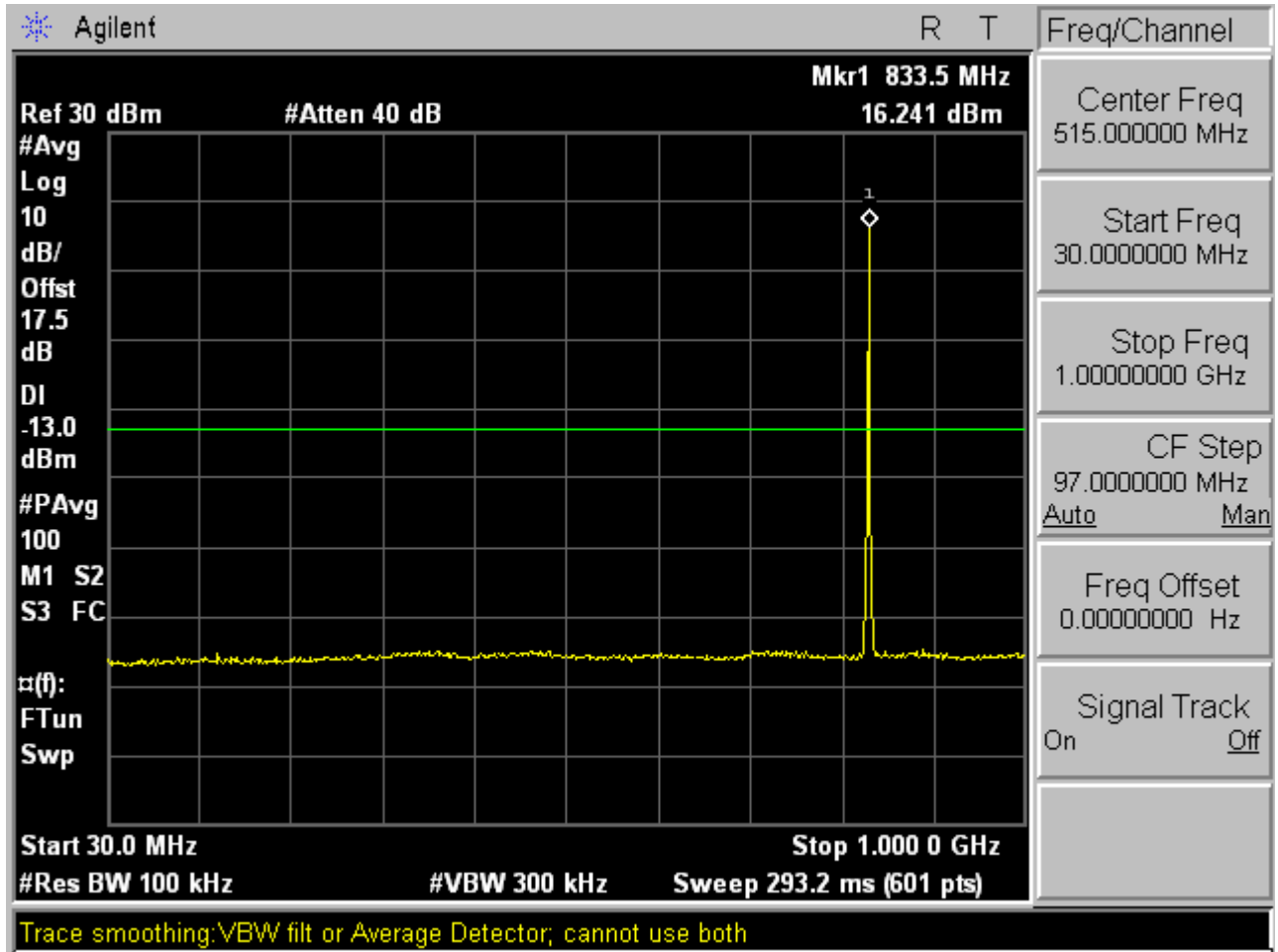


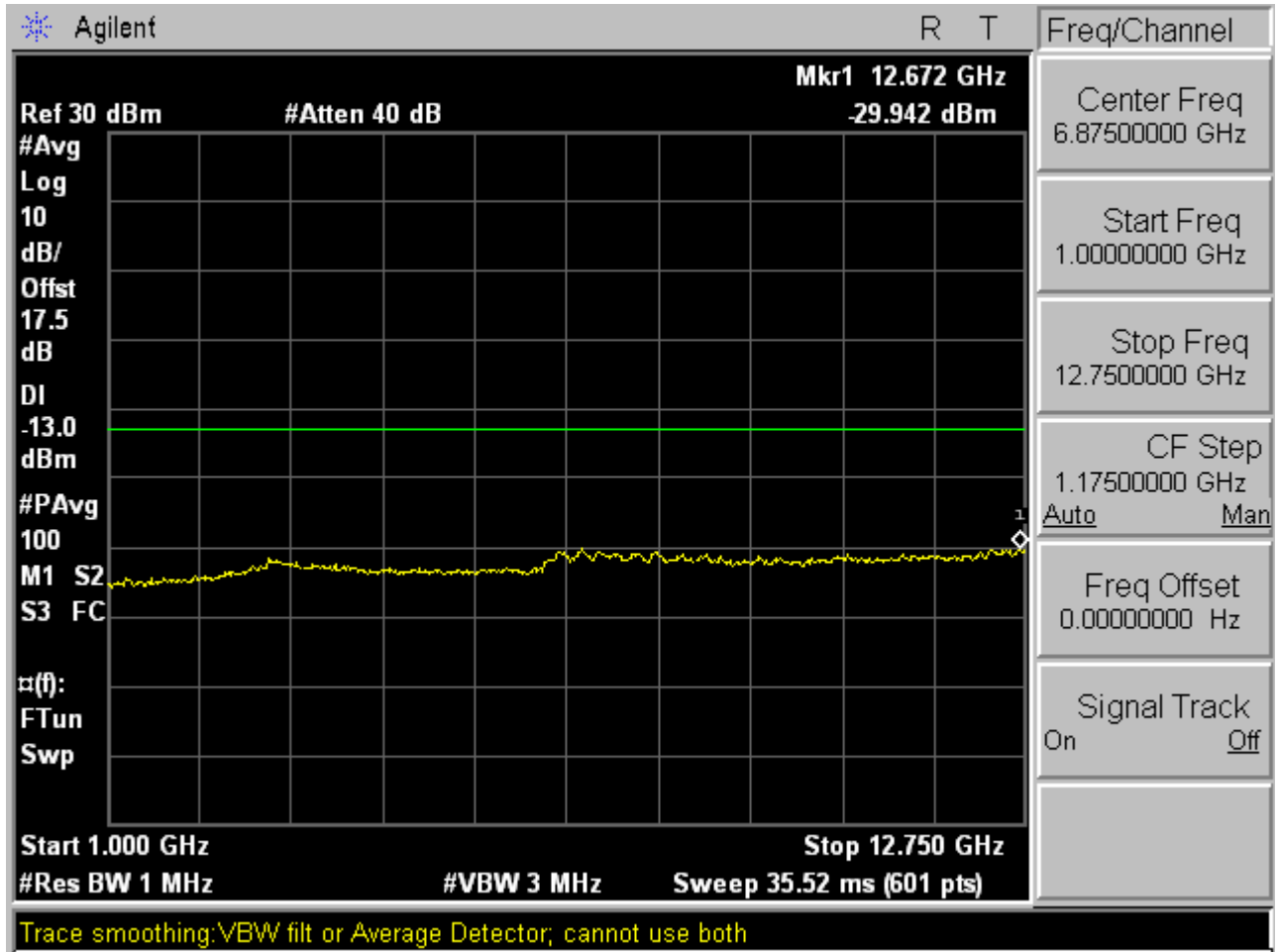
## Channel 283





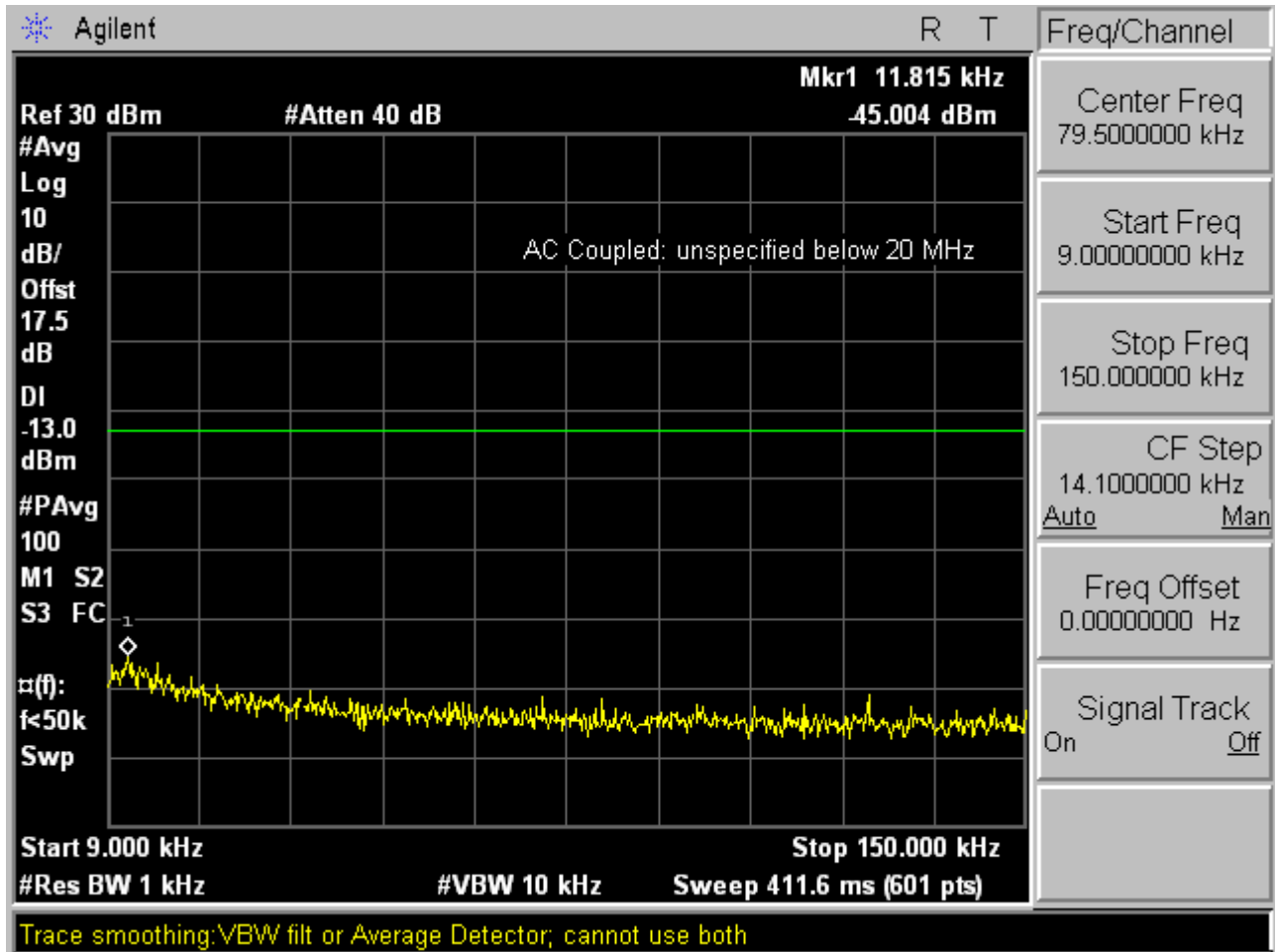


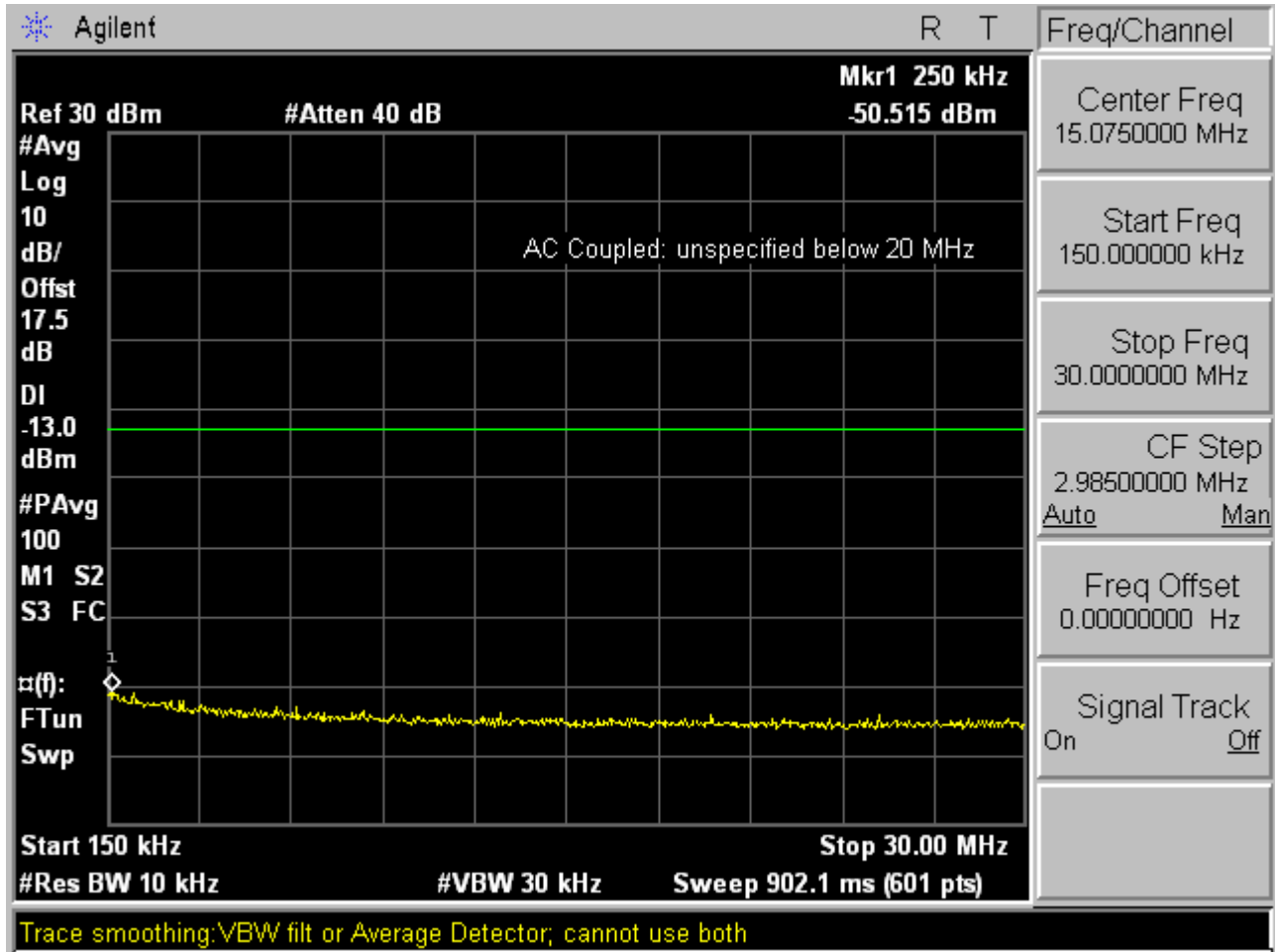


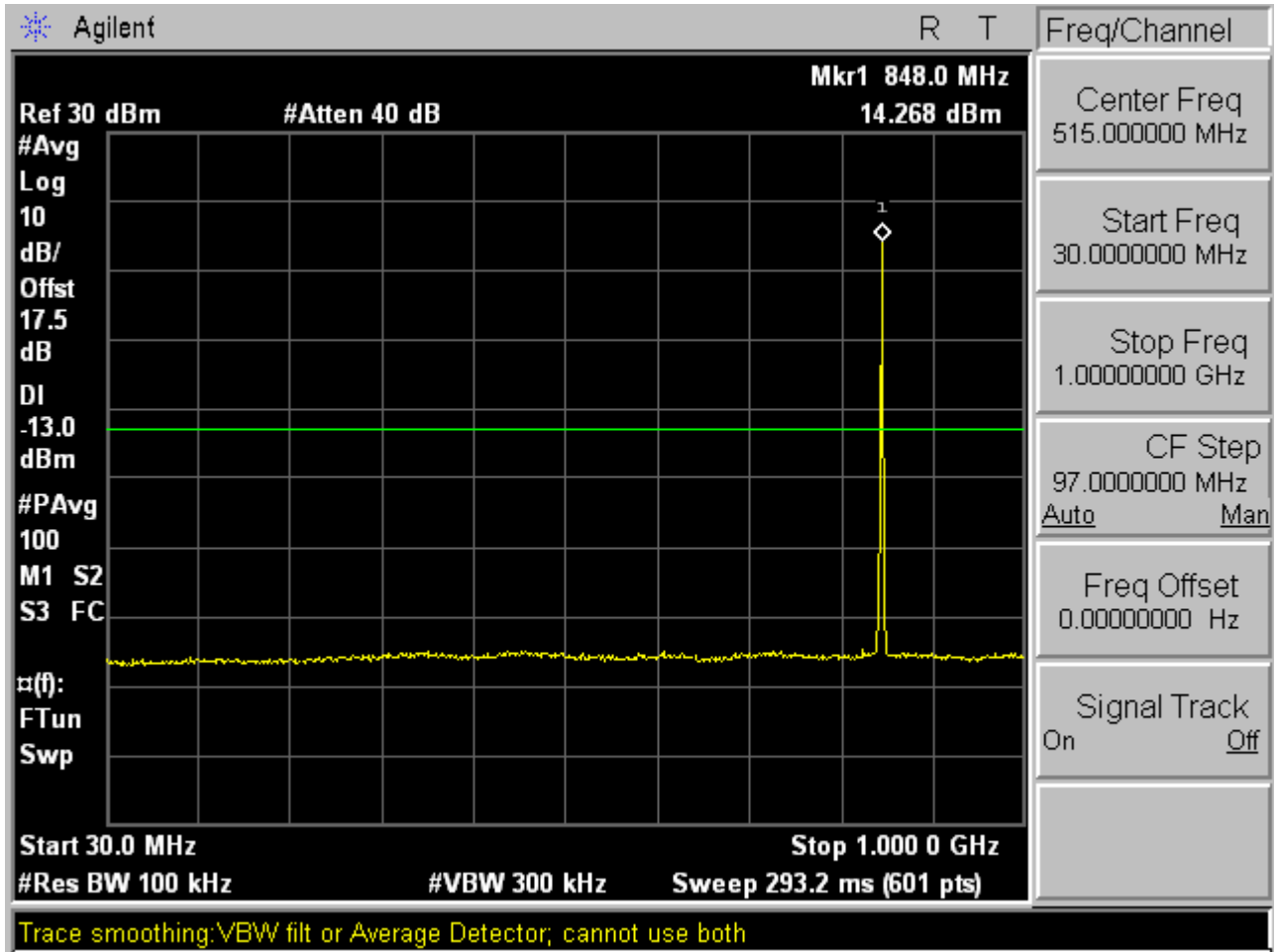


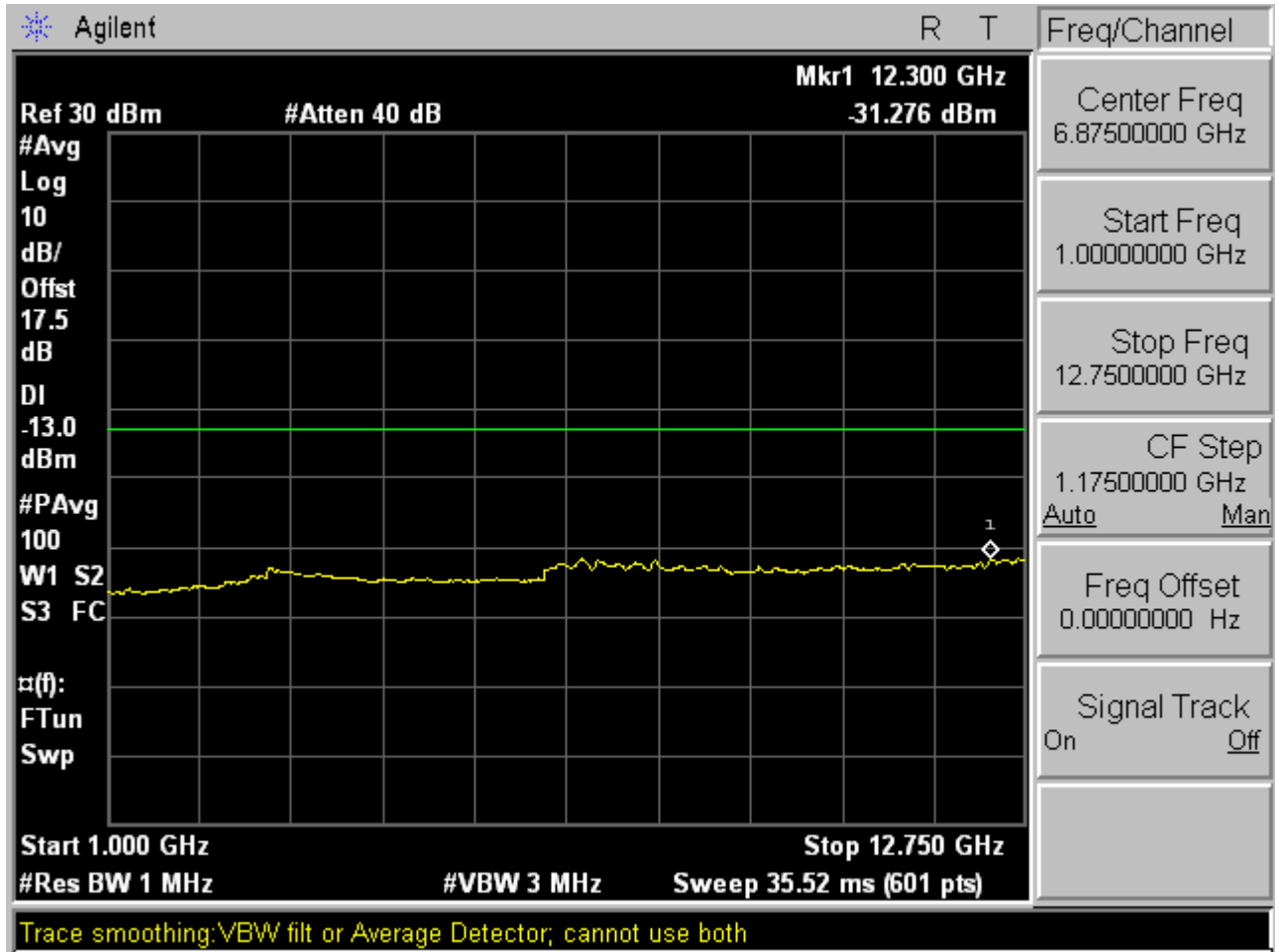


## Channel 777



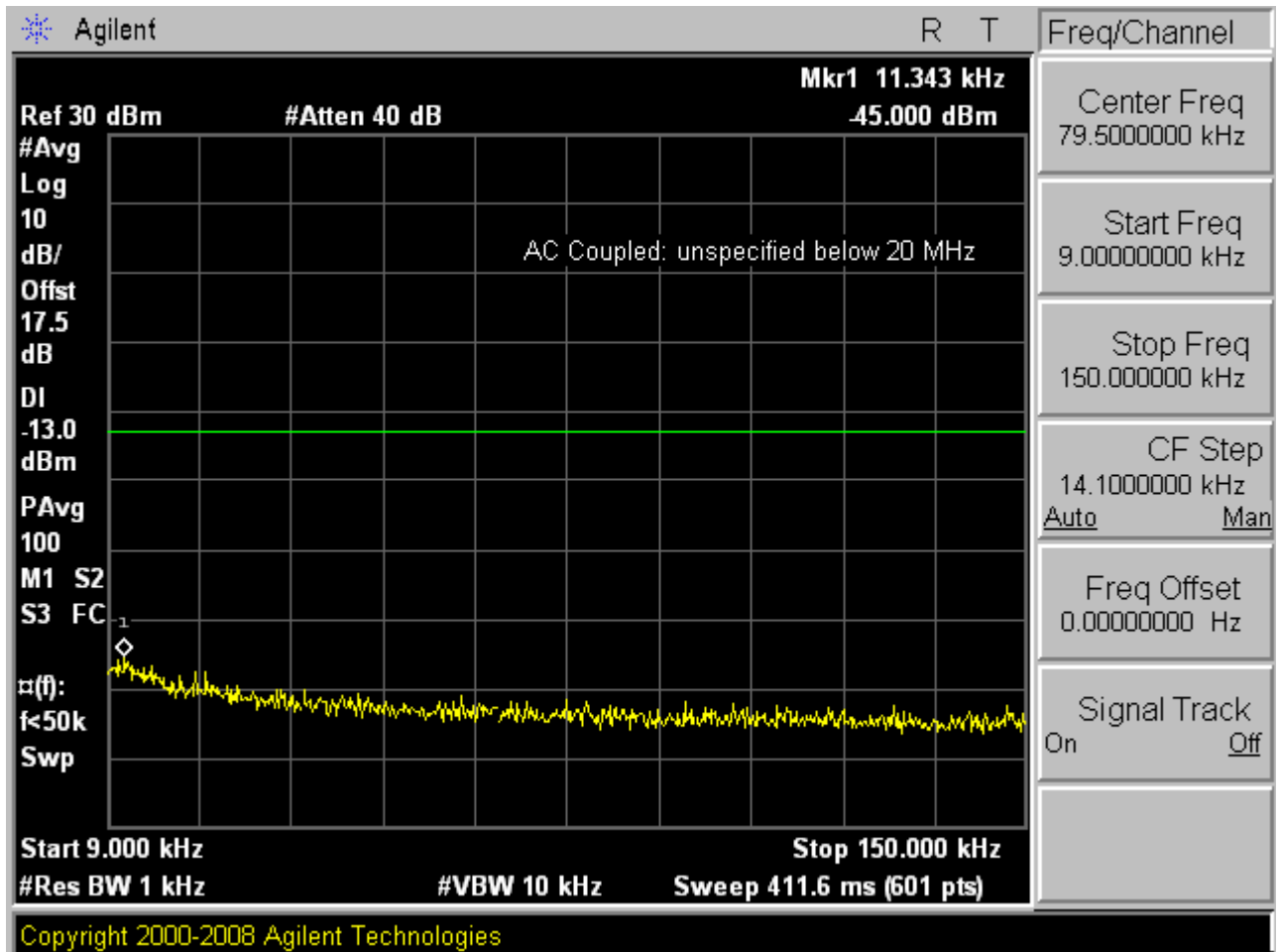


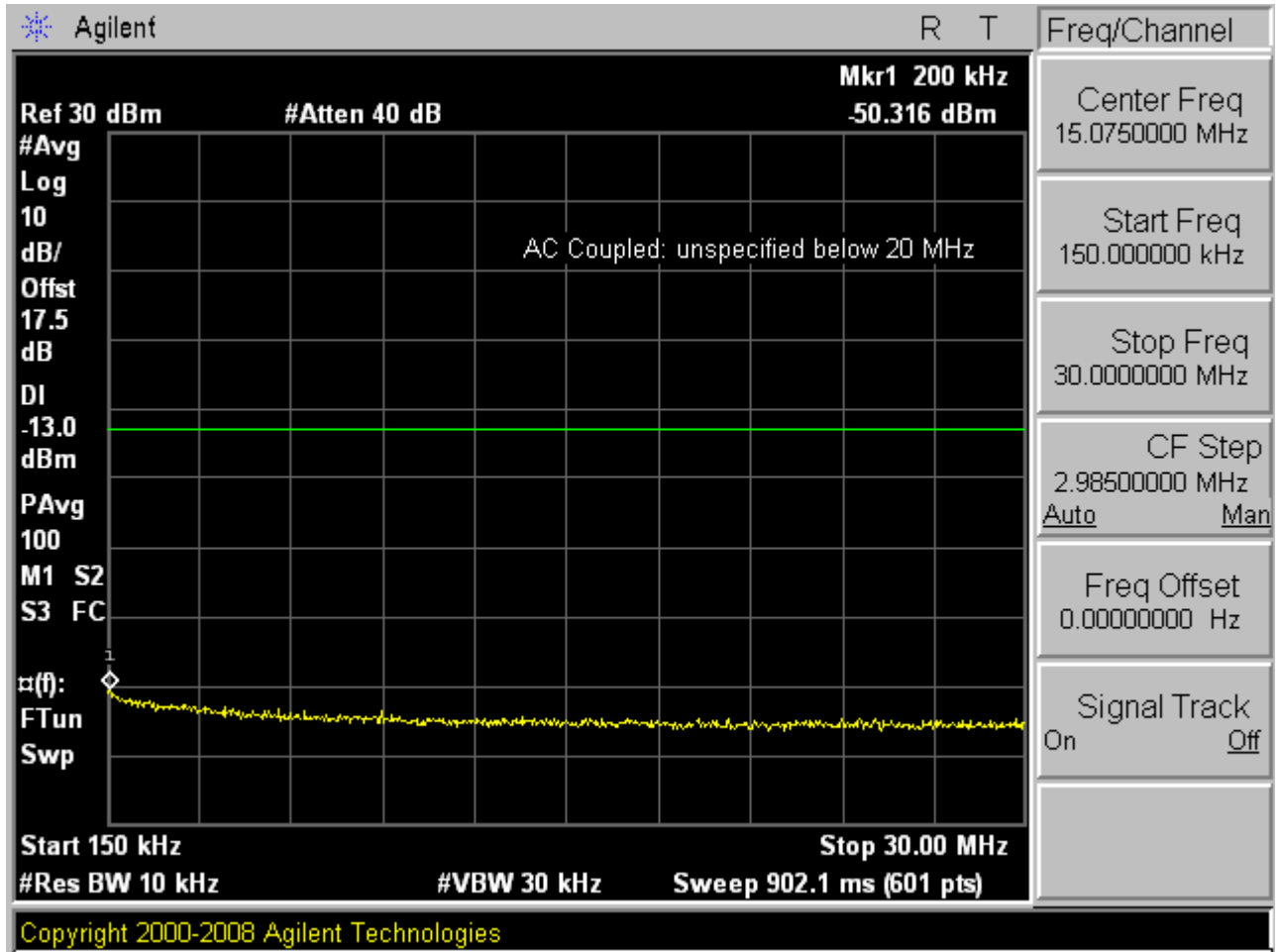




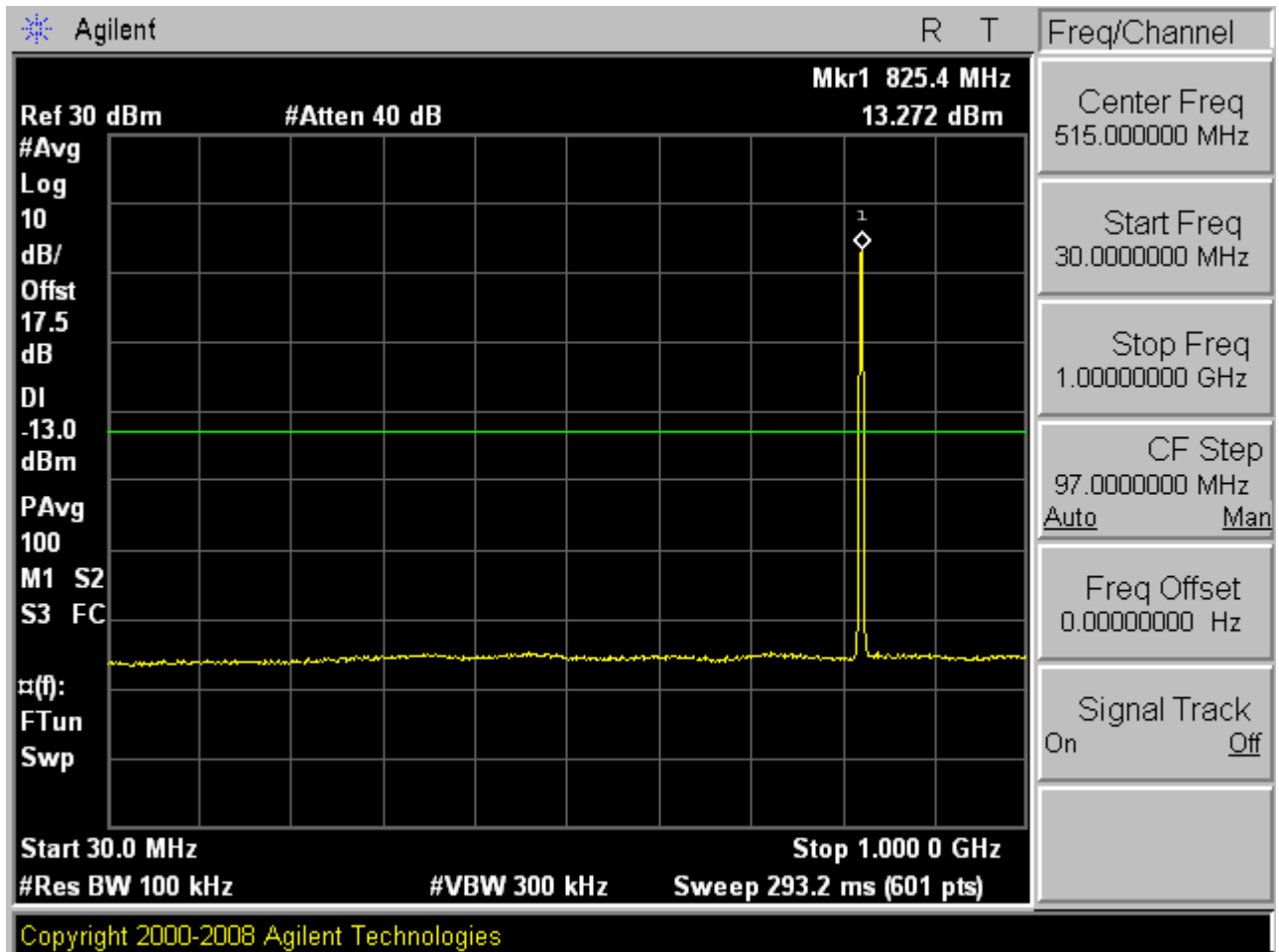
Modulation: 8PSK

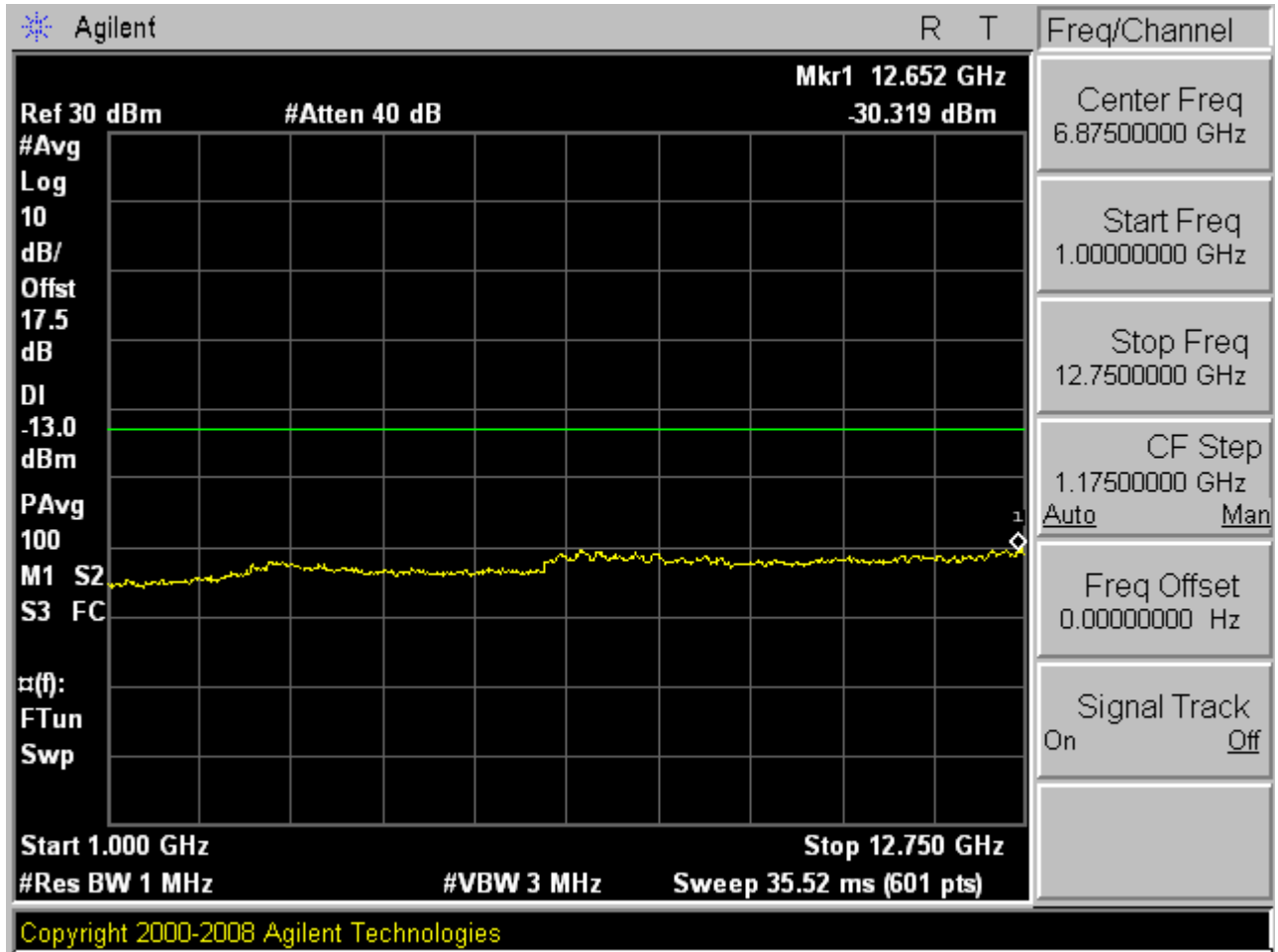
Channel 1013



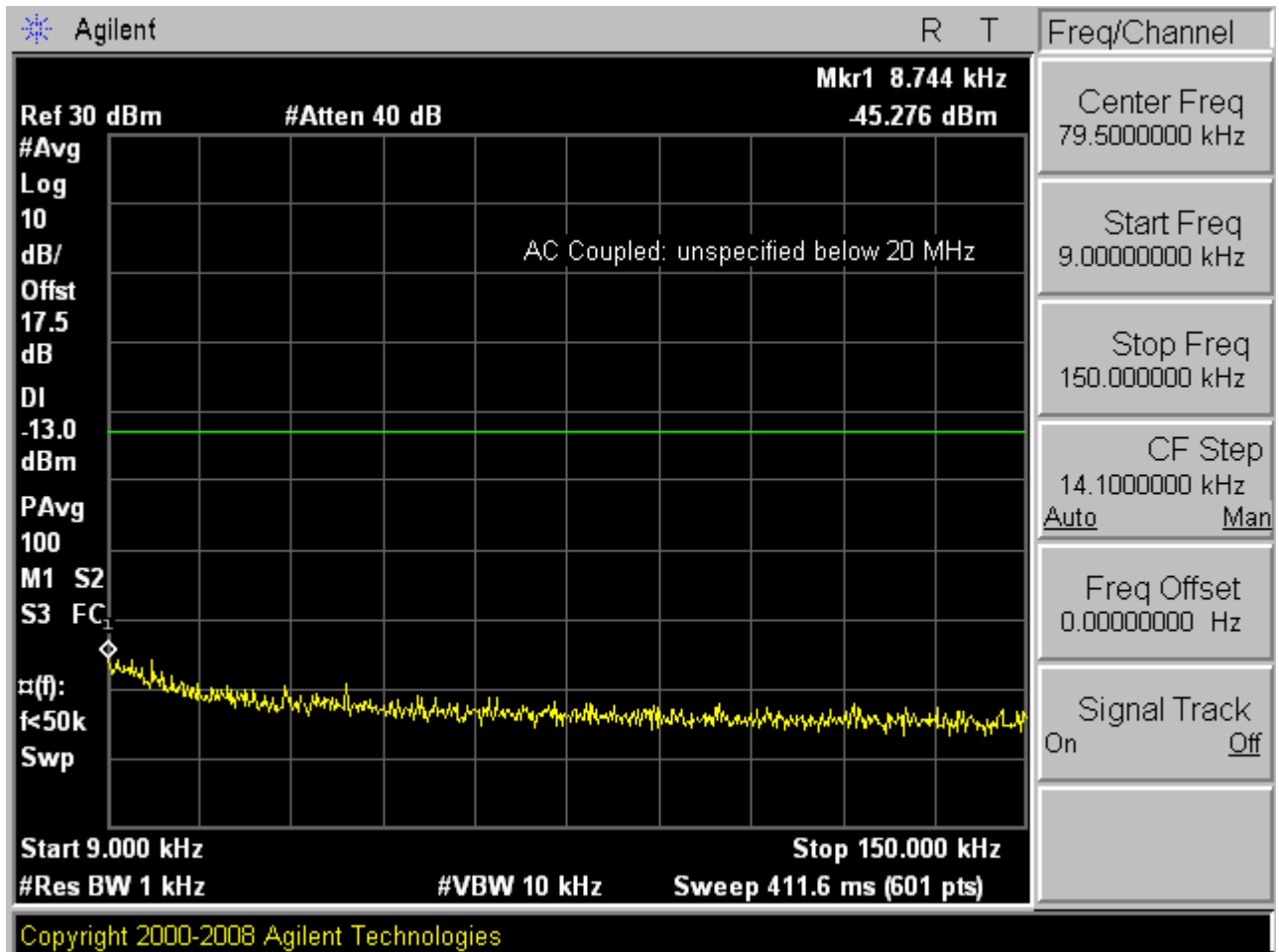


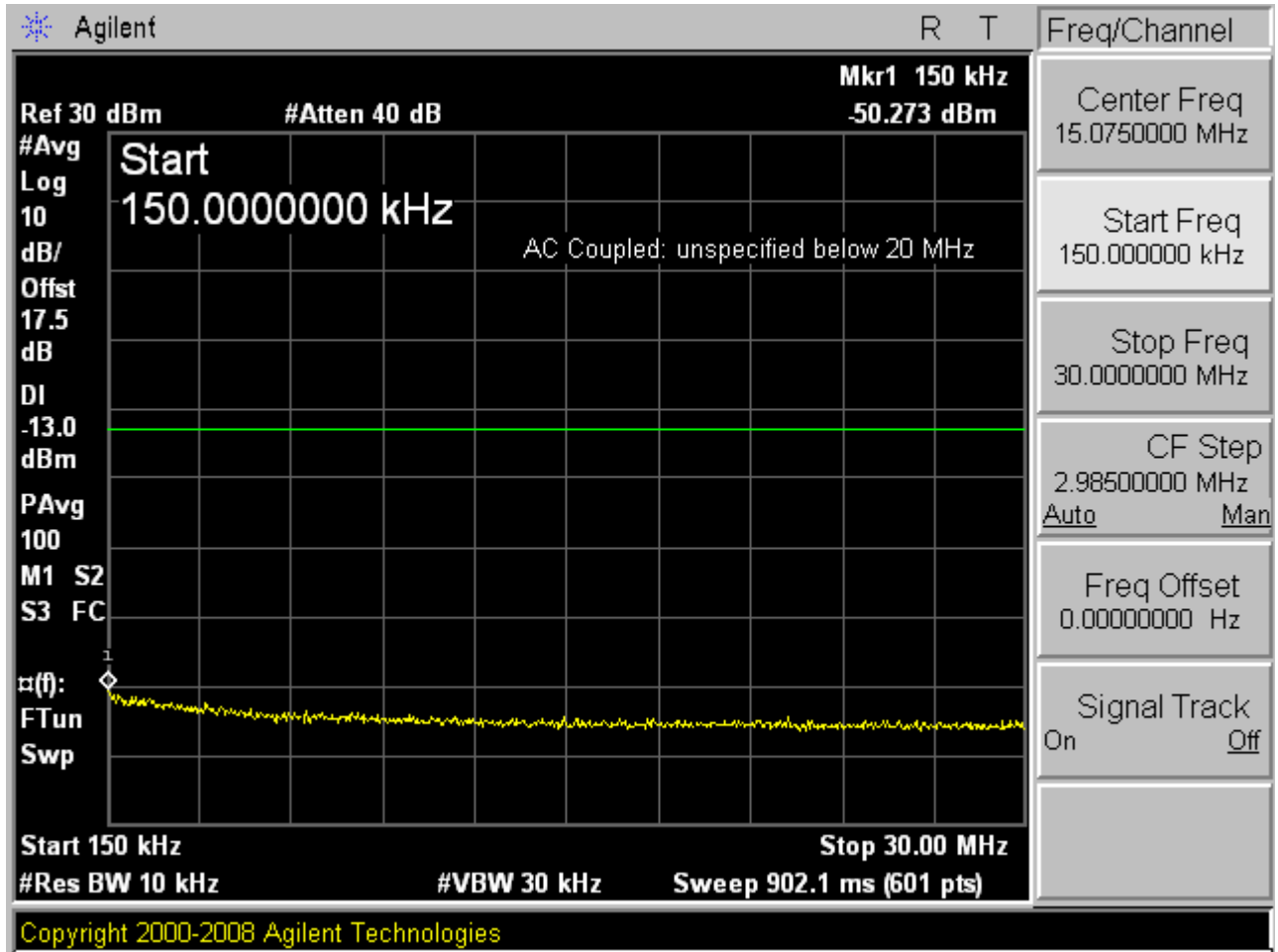


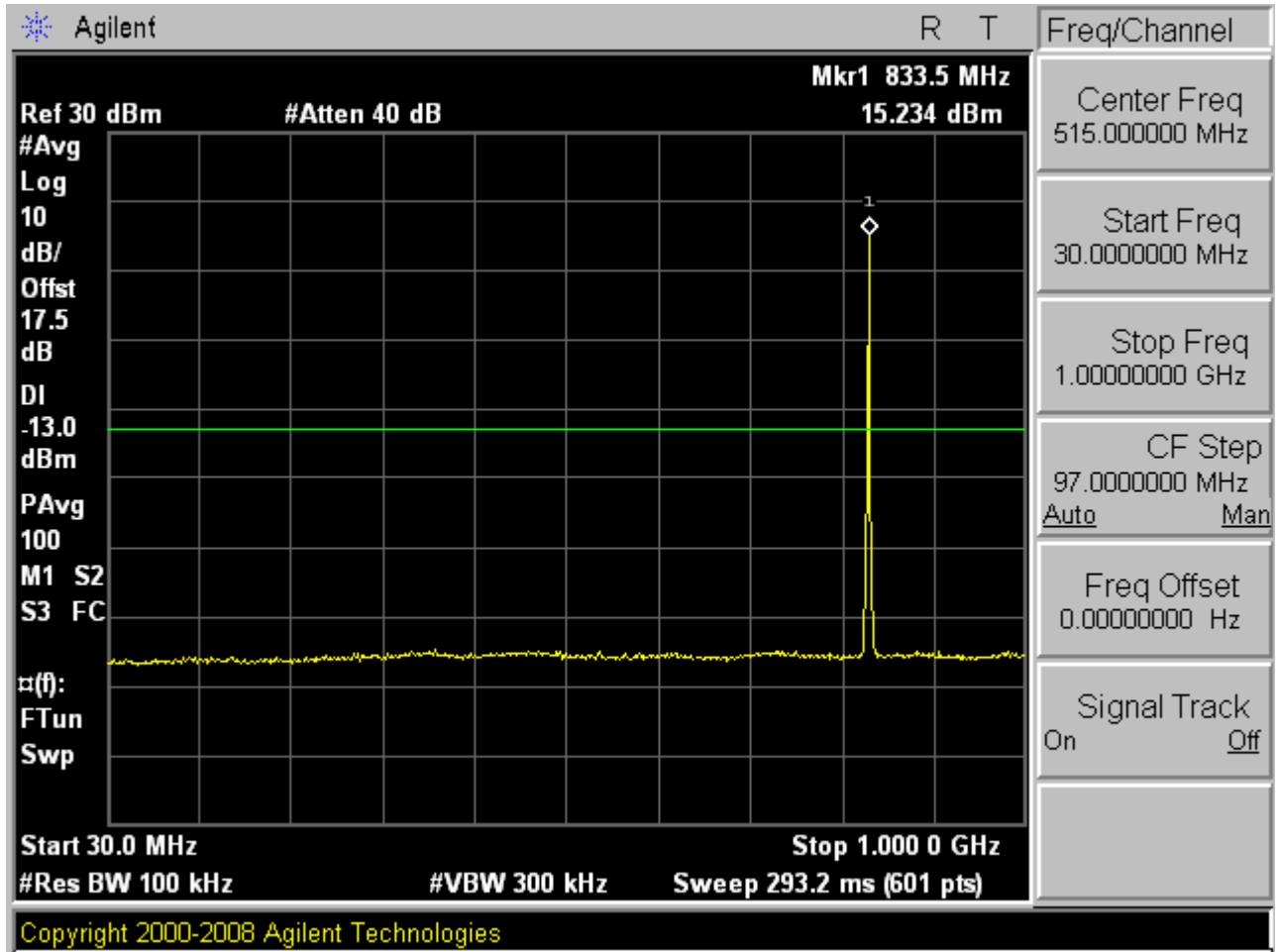


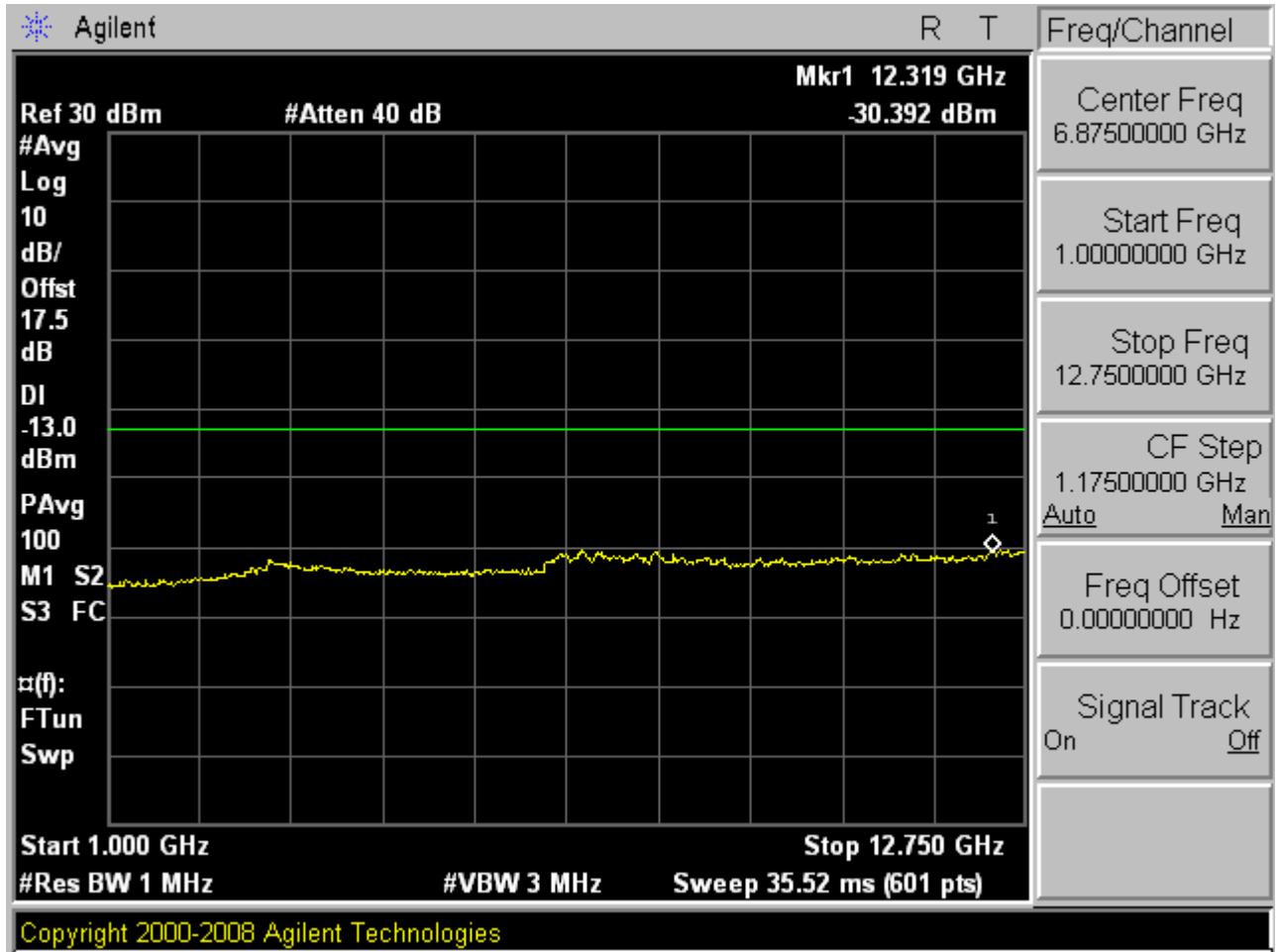


## Channel 283









## Channel 777

