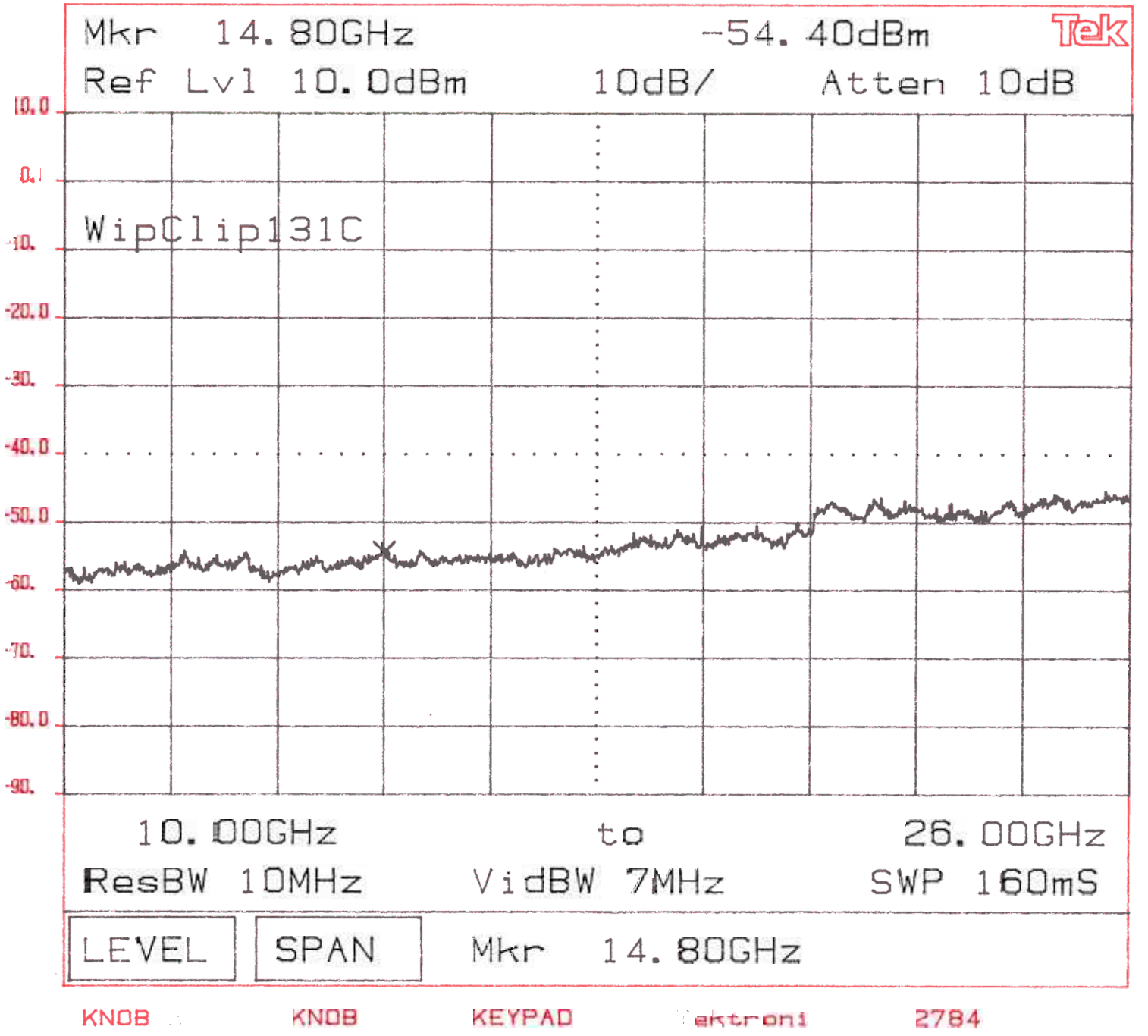
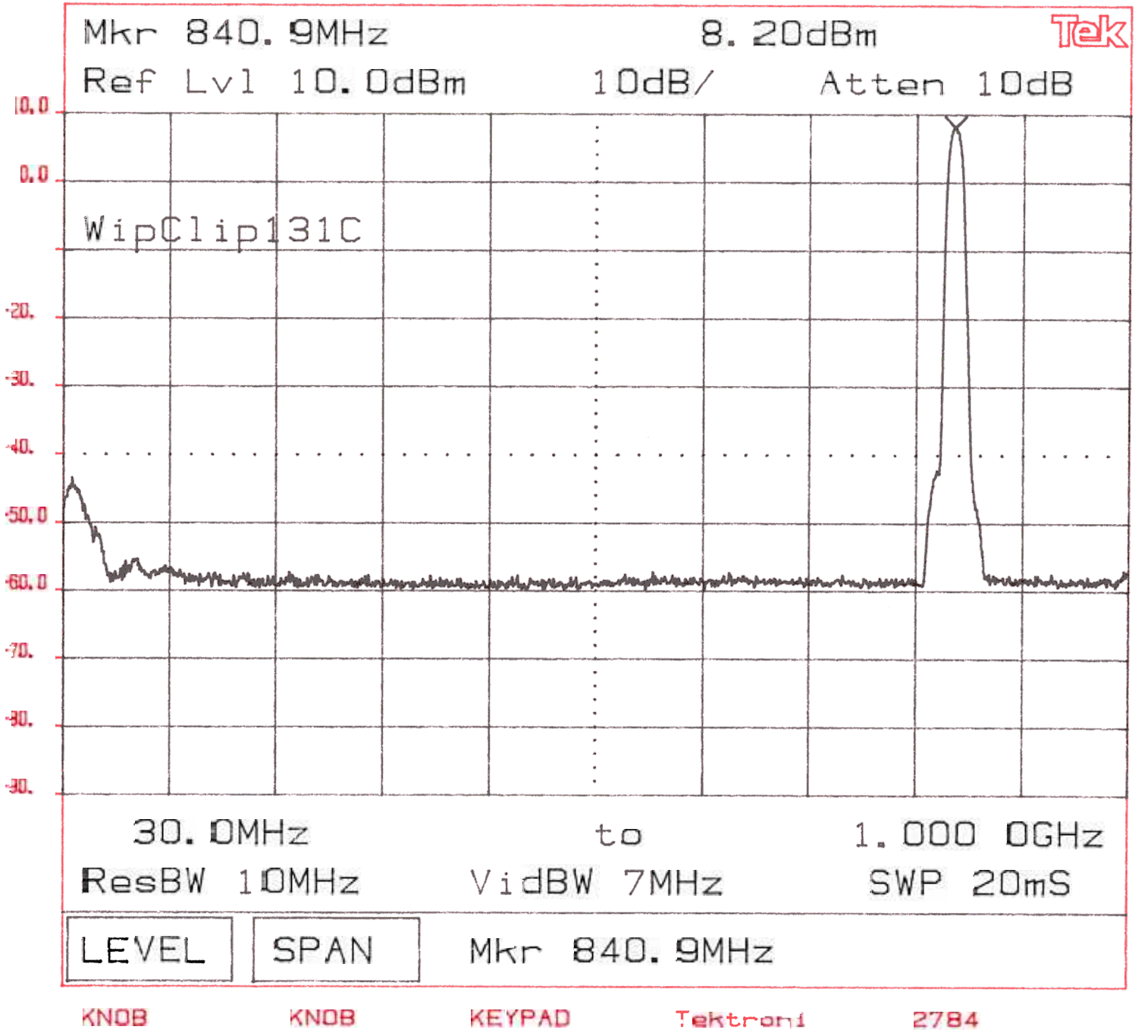
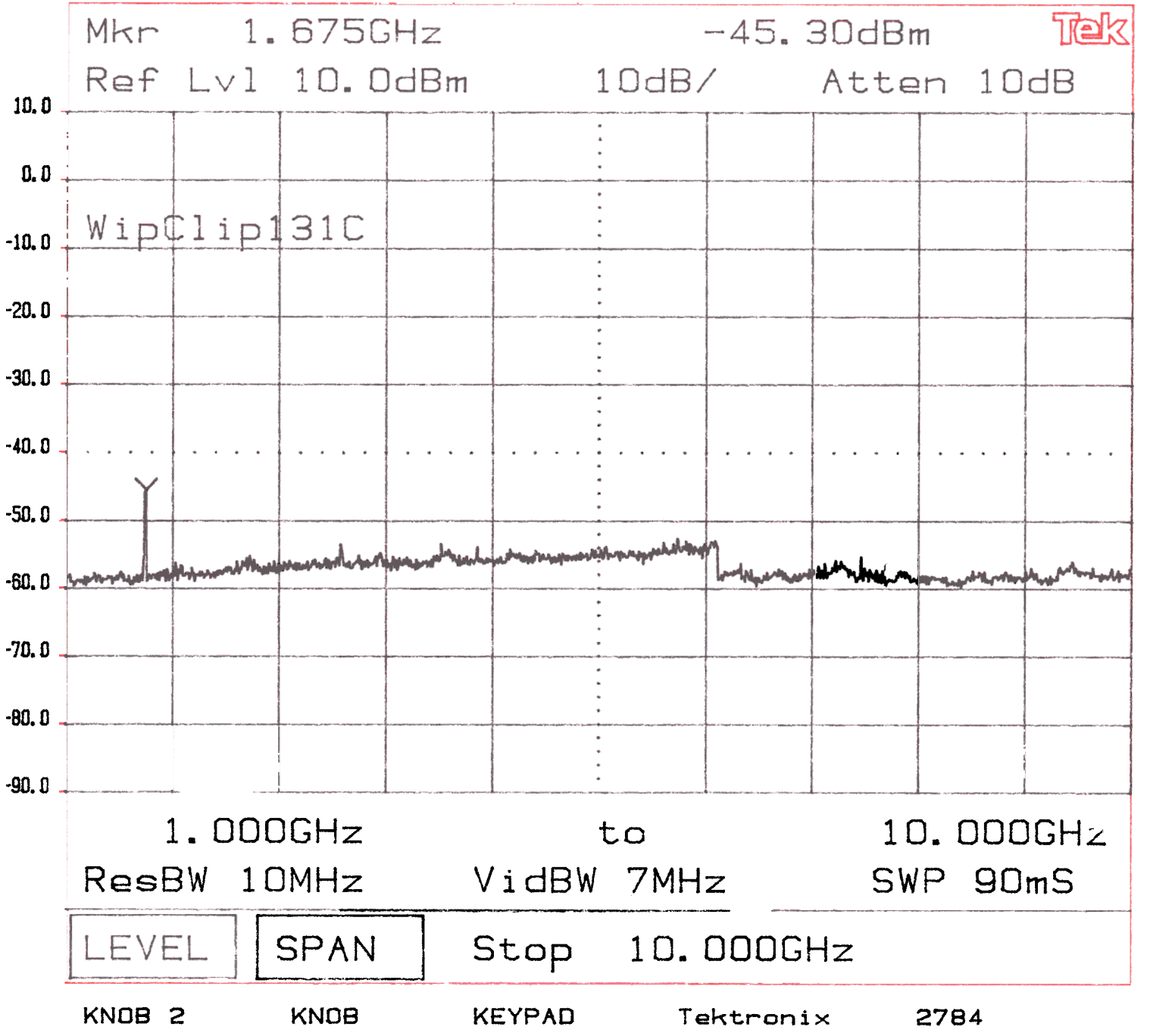
plot n 7.3 IF


Mkr 14.80GHz
-54.40dBm
Tek
Ref Lvl 10.0dBm
10dB/
Atten 10dB
10.0
0.
-10.
-20.0
-30.
-40.0
-50.0
-60.
-70.
-80.0
-90.
WipClip131C
10.00GHz
to
26.00GHz
ResBW 10MHz
VidBW 7MHz
SWP 160mS
LEVEL
SPAN
Mkr 14.80GHz
KNOB
KNOB
KEYPAD
Tektroni
2784

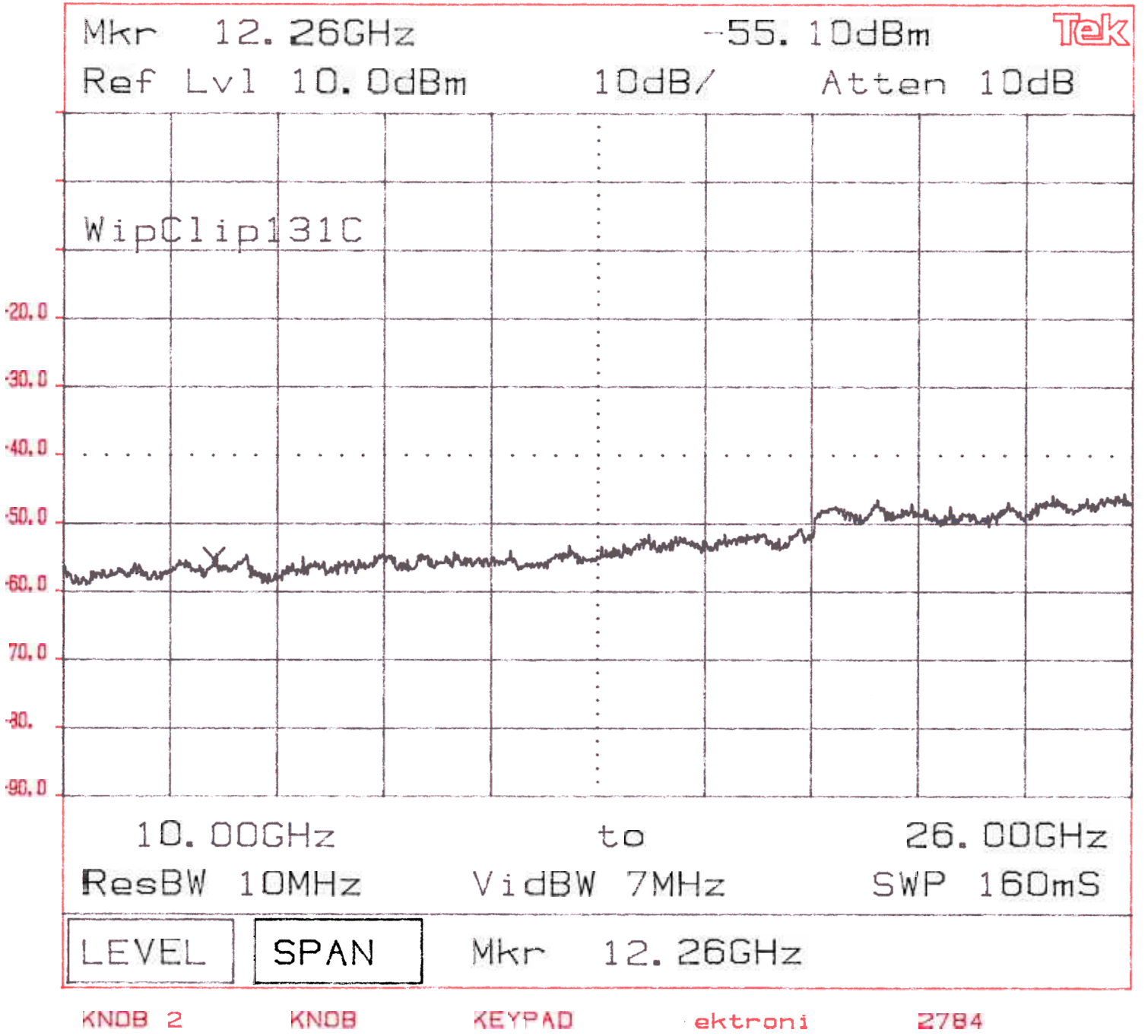
plot 1 / 3


Mkr 840.9MHz
8.20dBm
Tek
Ref Lvl 10.0dBm
10dB/
Atten 10dB
10.0
0.0
WipClip131C
-20.
-30.
-40.
-50.0
-60.0
-70.
-80.
-90.
30.0MHz
to
1.000 0GHz
ResBW 10MHz
VidBW 7MHz
SWP 20mS
LEVEL
SPAN
Mkr 840.9MHz
KNOB
KNOB
KEYPAD
Tektroni
2784

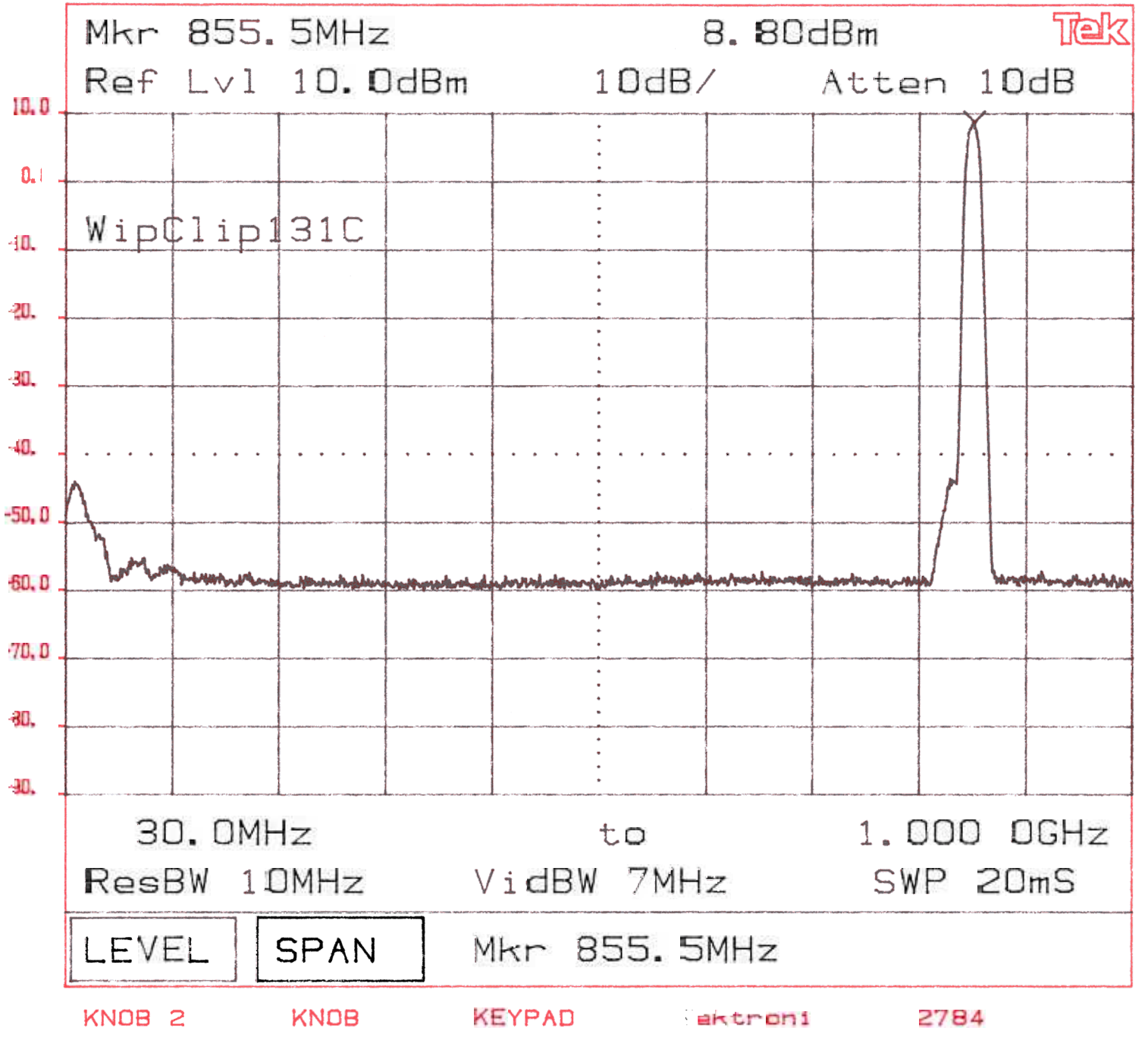
plot #7·3·2·b


Mkr 1.675GHz
-45.30dBm
Tek
Ref Lvl 10.0dBm
10dB/
Atten 10dB
10.0
0.0
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
WipClip131C
1.000GHz
to
10.000GHz
ResBW 10MHz
VidBW 7MHz
SWP 90mS
LEVEL
SPAN
Stop 10.000GHz
KNOB 2
KNOB
KEYPAD
Tektronix
2784

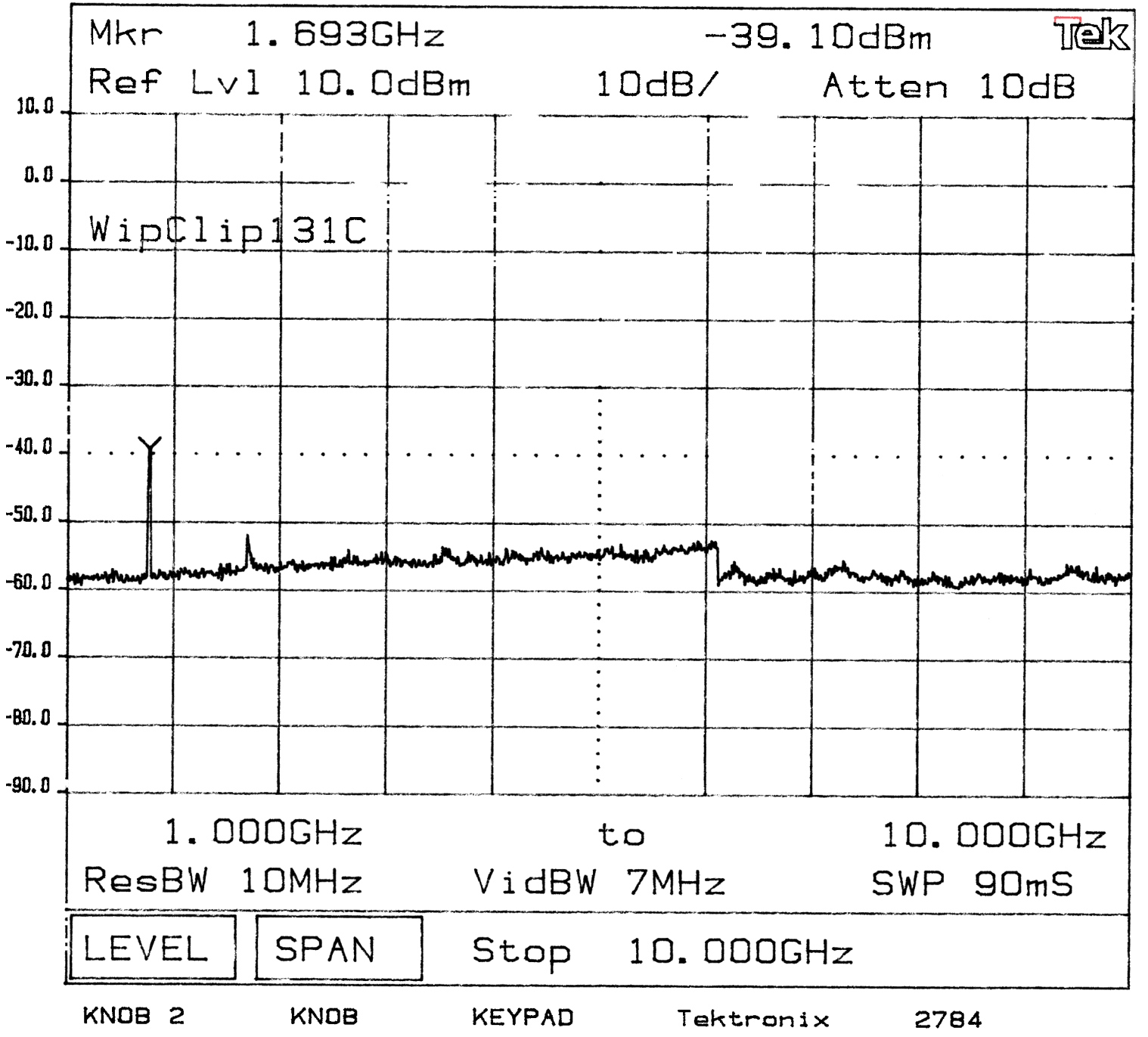
plot #

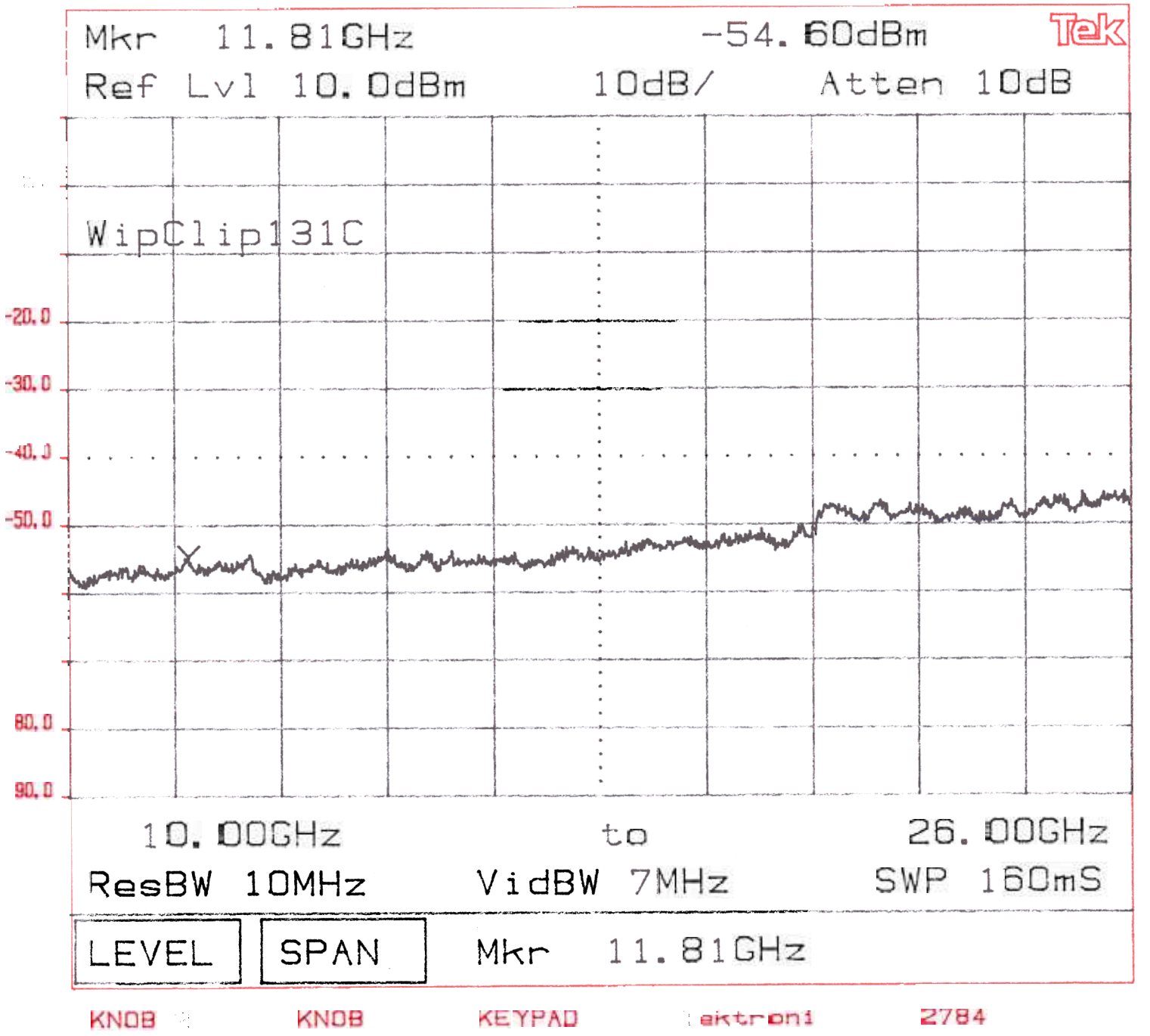

Mkr 12.26GHz
-55.10dBm
Tek
Ref Lvl 10.0dBm
10dB/
Atten 10dB
WipClip131C
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.
-90.0
10.00GHz
to
26.00GHz
ResBW 10MHz
VidBW 7MHz
SWP 160mS
LEVEL
SPAN
Mkr 12.26GHz
KNOB 2
KNOB
KEYPAD
ektroni
2784

plot # 7-3-3


Mkr 855.5MHz
8.80dBm
Tek
Ref Lvl 10.0dBm
10dB/
Atten 10dB
10.0
0.1
-10.
-20.
-30.
-40.
-50.0
-60.0
-70.0
-80.
-90.
WipClip131C
30.0MHz
to
1.000 0GHz
ResBW 10MHz
VidBW 7MHz
SWP 20mS
LEVEL
SPAN
Mkr 855.5MHz
KNOB 2
KNOB
KEYPAD
2784

plot # 7.3.3.b


Mkr 1.693GHz
-39.10dBm
Tek
Ref Lvl 10.0dBm
10dB/
Atten 10dB
10.0
0.0
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
-90.0
WipClip131C
1.000GHz
to
10.000GHz
ResBW 10MHz
VidBW 7MHz
SWP 90mS
LEVEL
SPAN
Stop 10.000GHz
KNOB 2
KNOB
KEYPAD
Tektronix
2784


Mkr 11.81GHz
-54.60dBm
Tek
Ref Lvl 10.0dBm
10dB/
Atten 10dB
WipClip131C
-20.0
-30.0
-40.0
-50.0
80.0
90.0
10.00GHz
to
26.00GHz
ResBW 10MHz
VidBW 7MHz
SWP 160mS
LEVEL
SPAN
Mkr 11.81GHz
KNOB
KNOB
KEYPAD
Tektronix
2784

Tellus Technology Inc. Wireless Modem
FCC ID: NZ6V8131C

Date of Test: January15 –18 &30, 2001

8.0 Field Strength of Spurious Radiation
FCC 2.1053

8. Test Procedure

The frequency range up to tenth harmonic of each of the three fundamental frequencies (low, middle, and high channels) was investigated.

The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT.

At each spurious emission frequency the ERP was measured by the substitution method using a generator and horn antenna. The spurious emissions attenuation was calculated as the difference between ERP in dBm at the fundamental frequency (See Section 3) and at the spurious emissions frequency.

The radiated emissions from digital parts and receiver local oscillator were measured as well.

8.2 Test Equipment

EMCO 3143 Bilog Antenna
EMCO 3115 Horn Antenna
HP 8566B Spectrum Analyzer
Tektronix 2782 Spectrum Analyzer
Low Pass Filter
Preamplifier

8.3 Test Results

Test Result:	Passed, refer to the attached

Data Sheet No	Description
8.3.a	Radiated Emissions FCC 15B
8.3.b	Radiated Emissions, Receiver LO & Harmonics
8.3.c	Radiated Emissions Harmonics, Low Channel
8.3.d	Radiated Emissions Harmonics, Mid Channel
8.3.e	Radiated Emissions Harmonics, High Channel
8.3.f	Radiated Emissions by substitution method, Low Channel
8.3.g	Radiated Emissions by substitution method, Mid Channel
8.3.h	Radiated Emissions by substitution method, High Channel