

## MEASUREMENT/TECHNICAL REPORT



**Intermec Technologies Corporation**  
**RM915L Legacy Radio**  
**915 MHz Spread Spectrum Transmitter**

**REPORT NO: 040525-1**

**DATE: May 25, 2004**

### Appendix D

#### TRANSMITTER CONDUCTED PLOTS

Page 2 Band edge emissions Mode 1, 65 MHz Span

Page 3 Band edge emissions Mode 1, 260 MHz Span

Page 4 Band edge emissions Mode 2, 65 MHz Span

Page 5 Band edge emissions Mode 2, 260 MHz Span

Page 6 Band edge emissions Mode 3, 65 MHz Span

Page 7 Band edge emissions Mode 3, 260 MHz Span

Page 8 Emissions Mode 3, 1-2.5 GHz

Page 9 Emissions Mode 3, 2.5-5 GHz

Page 10 Emissions Mode 3, 5-10 GHz



Delta 1 [T1]

RBW 100 kHz

RF Att 20 dB

20 dB

Ref Lvl

-21.26 dB

VBW 100 kHz

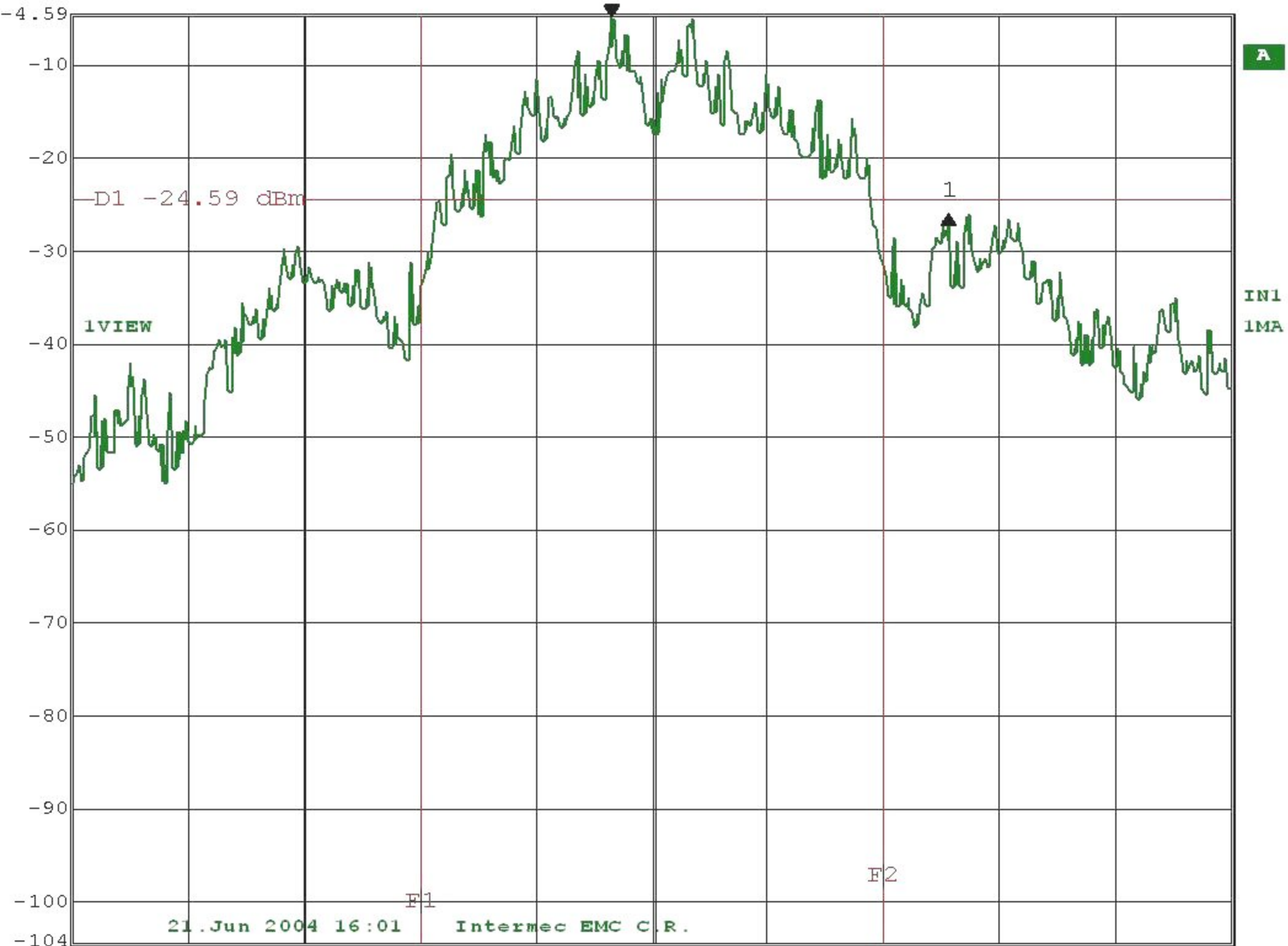
-4.6 dBm

18.82264529 MHz

SWT 16.5 ms

Unit

dBm



Center 915 MHz

6.5 MHz/

Span 65 MHz

Title: Falcon U84 Chg

Comment A: Mode 1

Date: 21.JUN.2004 16:01:08



Delta 1 [T1]

RBW 100 kHz

RF Att 20 dB

20 dB

Ref Lvl

-21.51 dB

VBW 100 kHz

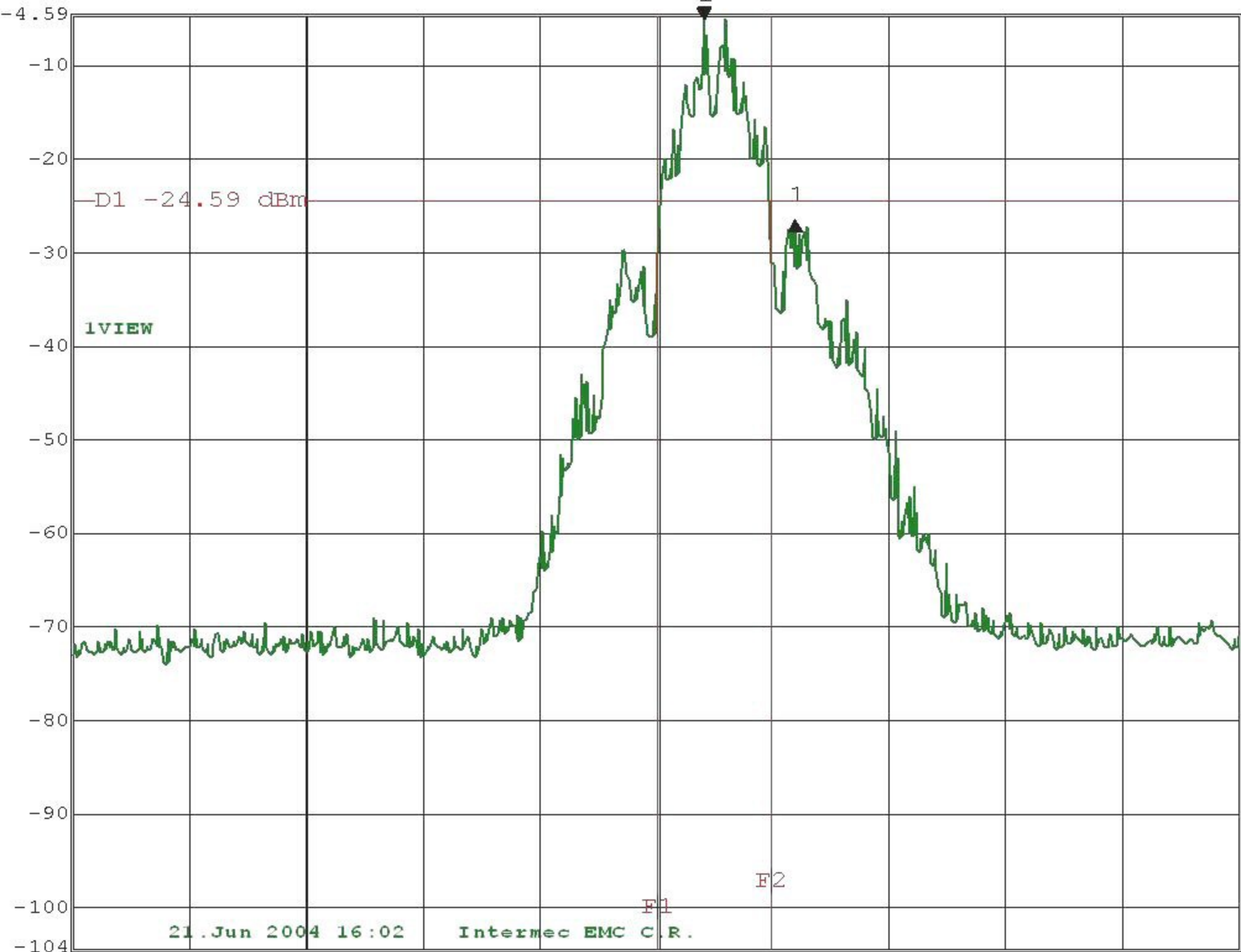
-4.6 dBm

20.21643287 MHz

SWT 66 ms

Unit

dBm



A

IN1  
IMA

Center 902 MHz

26 MHz/

Span 260 MHz

Title: Falcon U84 Chg

Comment A: Mode 1

Date: 21.JUN.2004 16:02:40



Delta 1 [T2]

RBW 100 kHz

RF Att 20 dB

20 dB

Ref Lvl

22.78 dB

VBW 100 kHz

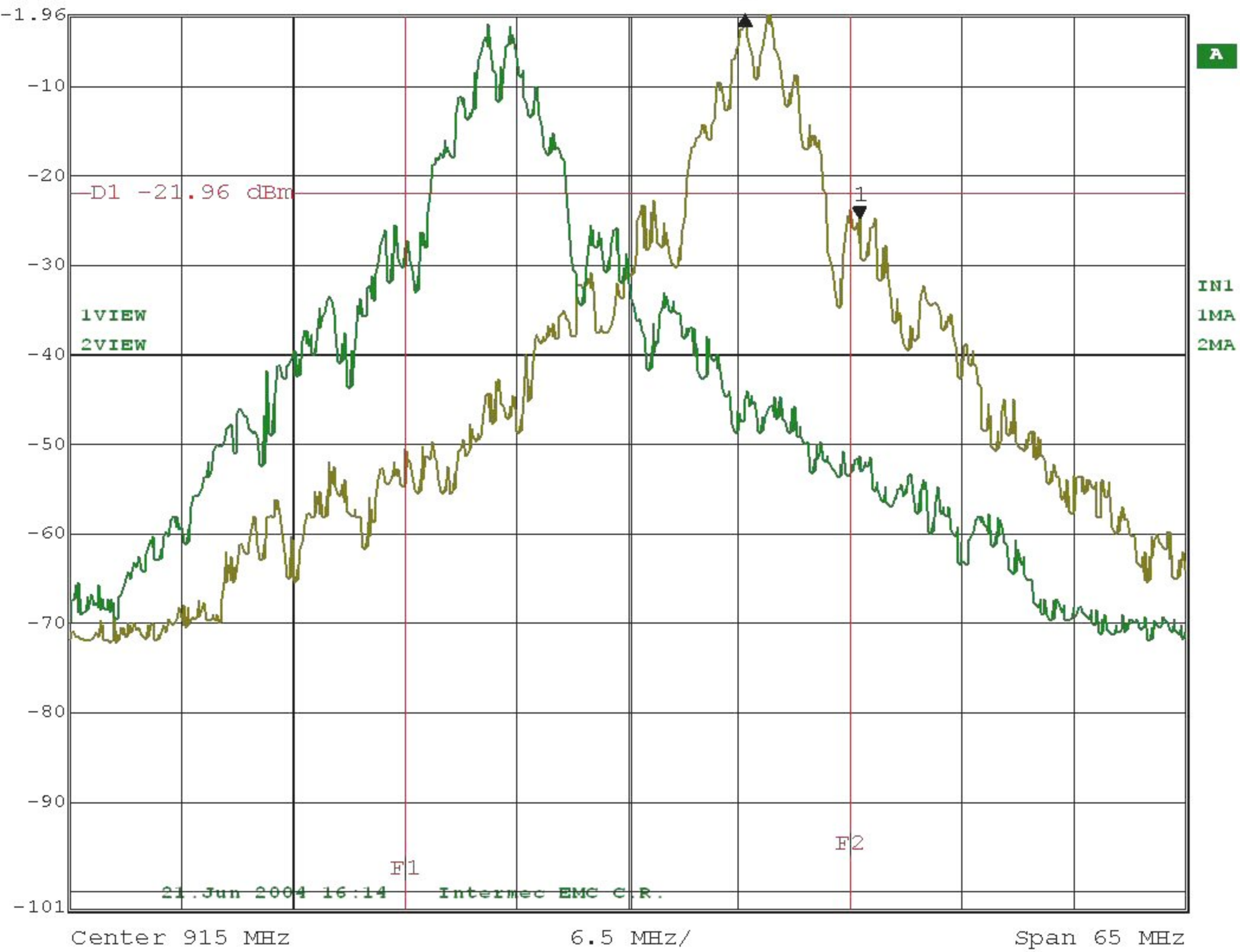
-2 dBm

-6.64328657 MHz

SWT 1 16.5 ms

Unit

dBm



Title: Falcon U84 Chg  
 Comment A: Mode 2 Ch 0A and 28  
 Date: 21.JUN.2004 16:14:20



Delta 1 [T2]

RBW 100 kHz

RF Att 20 dB

20 dB

Ref Lvl

23.11 dB

VBW 100 kHz

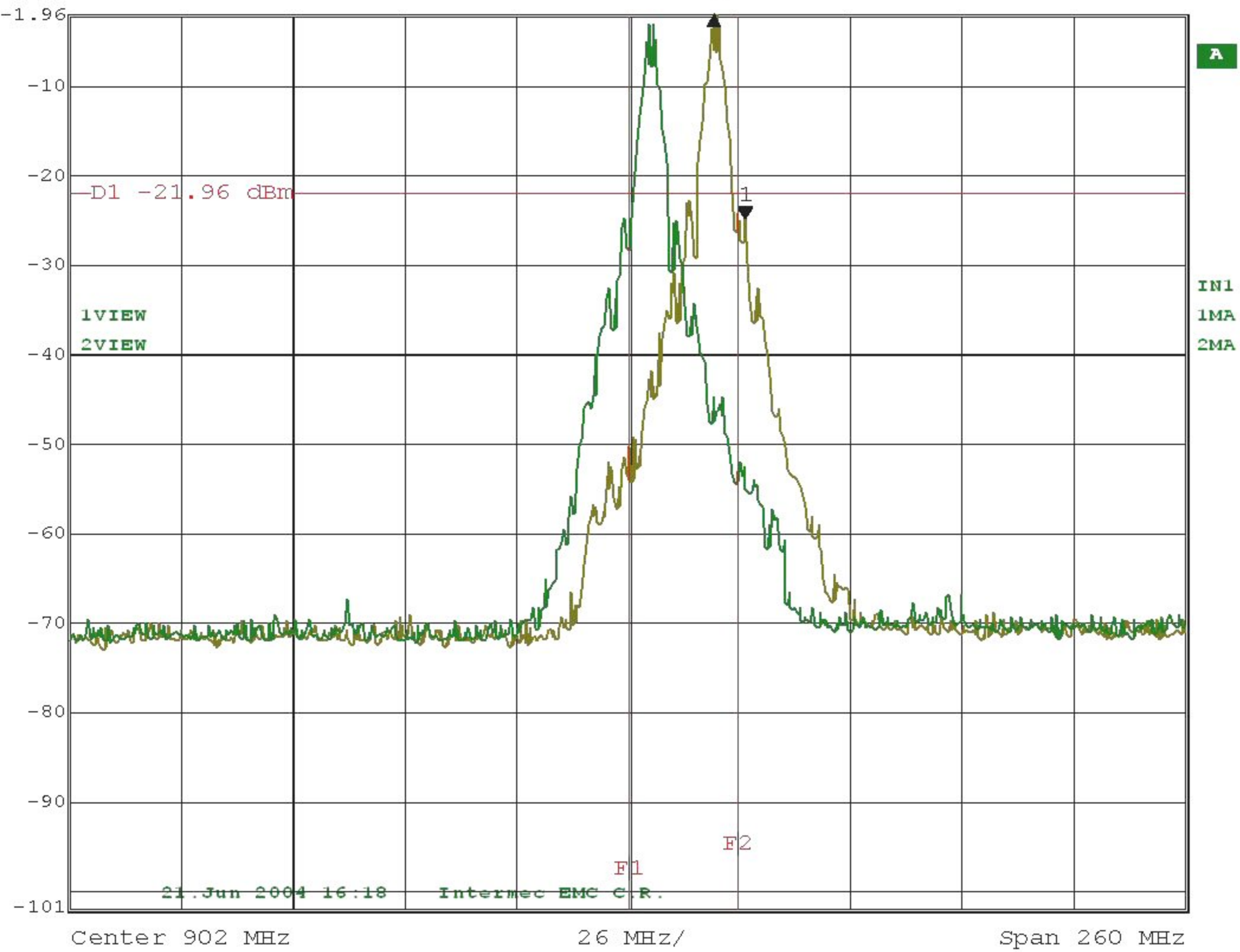
-2 dBm

-7.29458918 MHz


SWT 66 ms

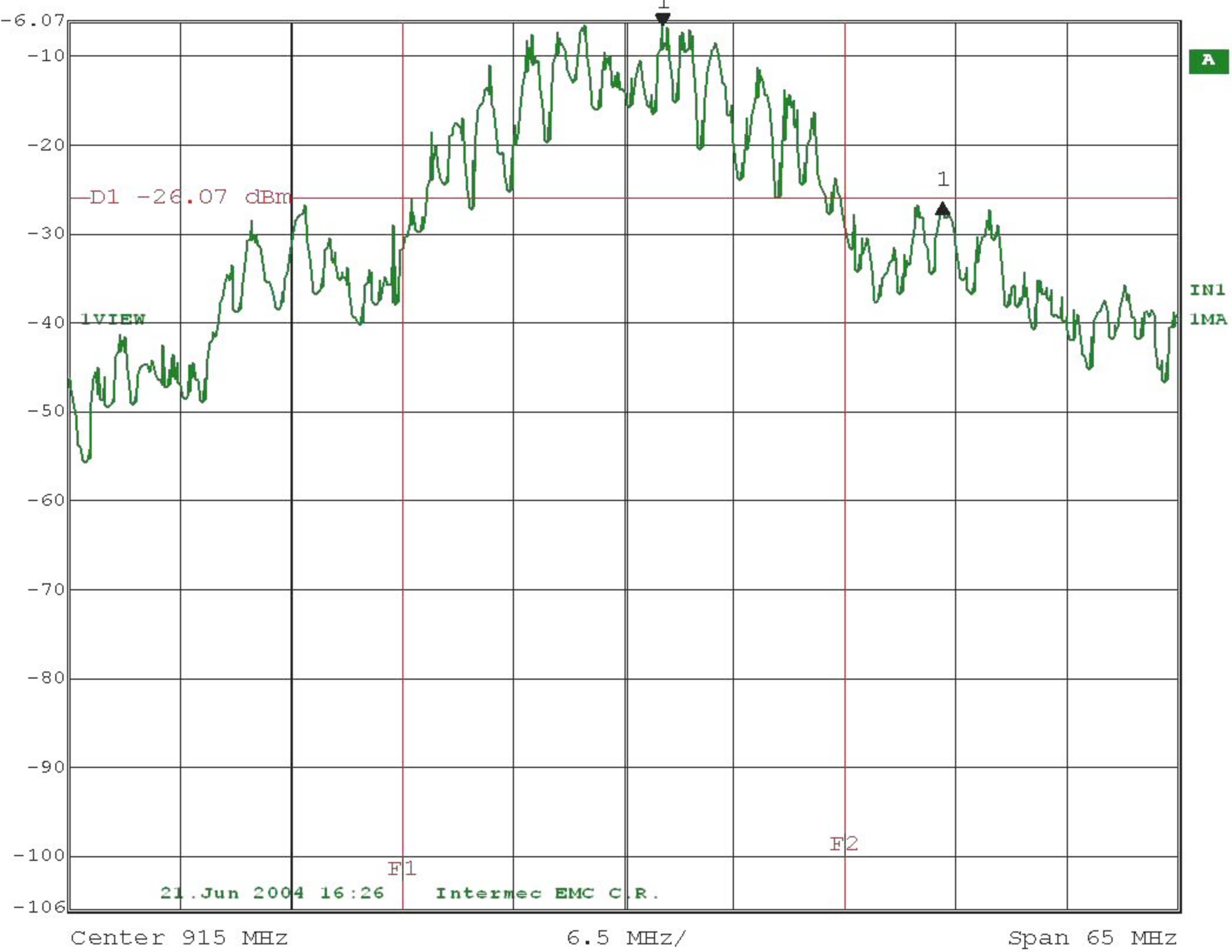
Unit

dBm



Title: Falcon U84 Chg  
 Comment A: Mode 2 Ch 0A and 28  
 Date: 21.JUN.2004 16:18:55

 Delta 1 [T1] RBW 100 kHz RF Att 20 dB  
Ref Lvl -20.21 dB VBW 100 kHz  
-6.1 dBm 16.41282565 MHz SWT 16.5 ms Unit dBm



Title: Falcon U84 Chg  
Comment A: Mode 3  
Date: 21.JUN.2004 16:26:47





Delta 1 [T1]

RBW 100 kHz

RF Att 20 dB

20 dB

Ref Lvl

20.92 dB

VBW 100 kHz

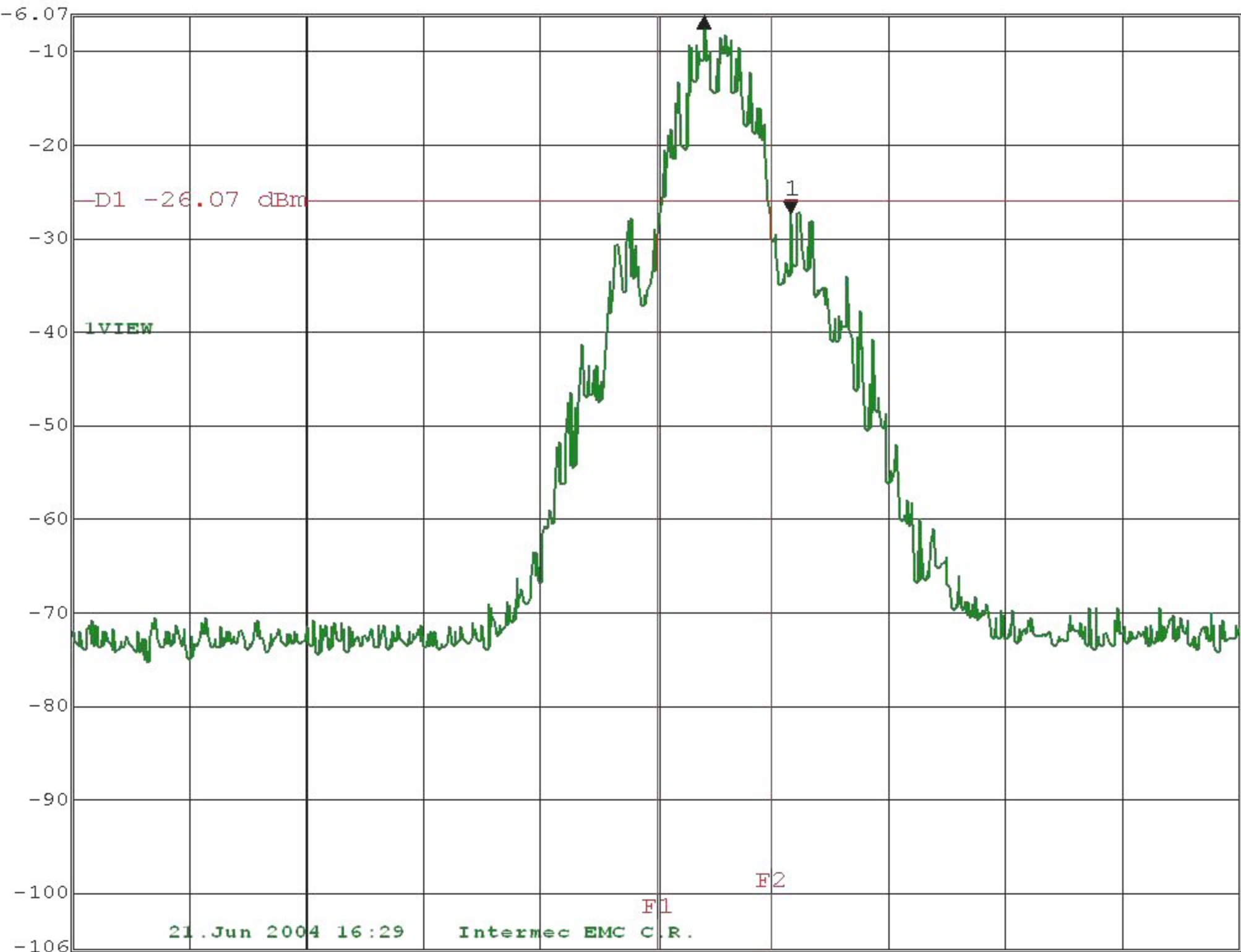
-6.1 dBm

-19.27855711 MHz

SWT 66 ms

Unit

dBm



Center 902 MHz

26 MHz/

Span 260 MHz

Title: Falcon U84 Chg

Comment A: Mode 3

Date: 21.JUN.2004 16:29:48



Marker 1 [T1]

RBW 100 kHz

RF Att 20 dB

20 dB

Ref Lvl

-5.77 dBm

VBW 100 kHz

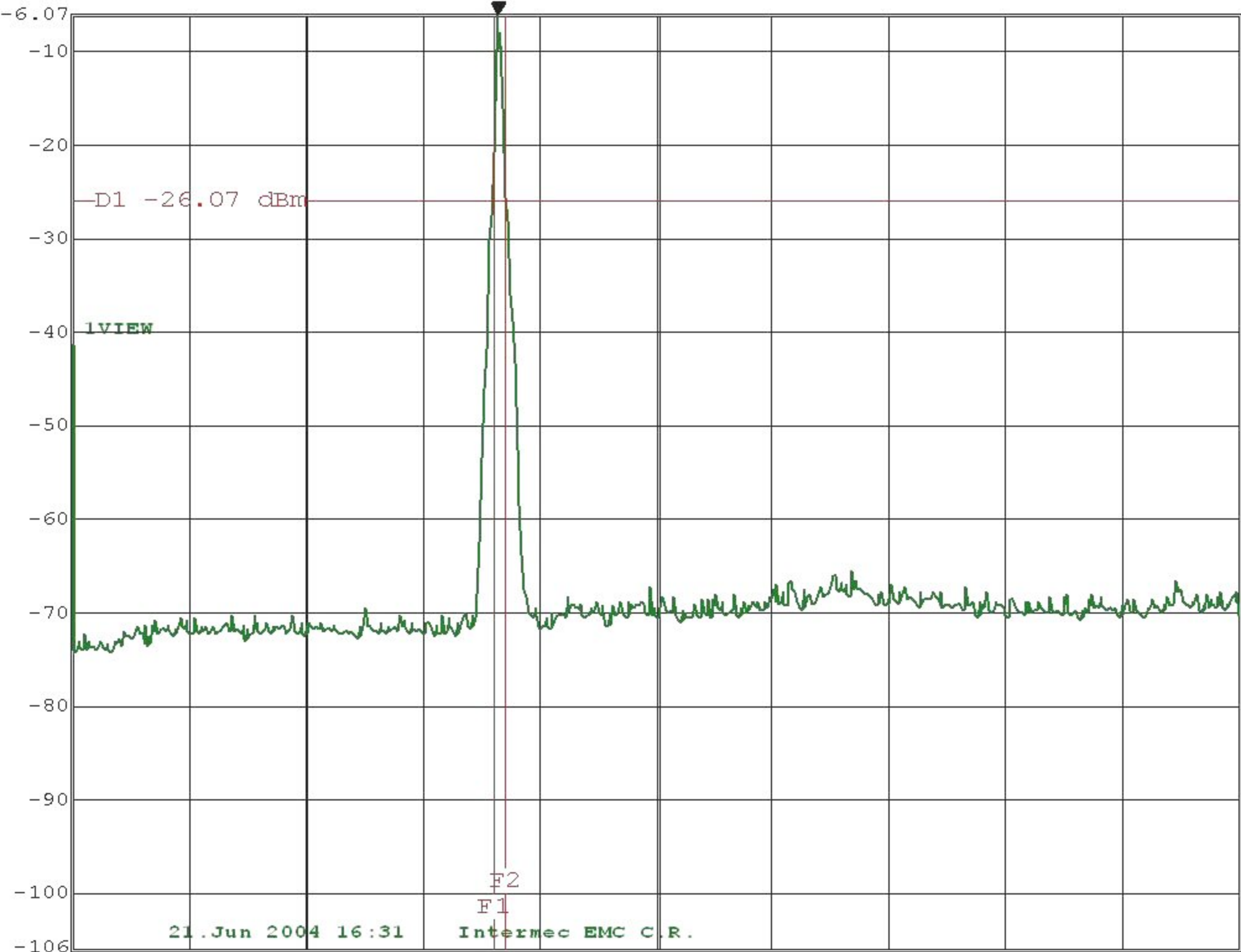
-6.1 dBm

911.82364729 MHz

SWT 640 ms

Unit

dBm



Start 0 Hz

250 MHz/

Stop 2.5 GHz

Title: Falcon U84 Chg

Comment A: Mode 3

Date: 21.JUN.2004 16:31:04





Marker 1 [T1]

RBW 100 kHz

RF Att 20 dB

Ref Lvl

-64.77 dBm

VBW 100 kHz

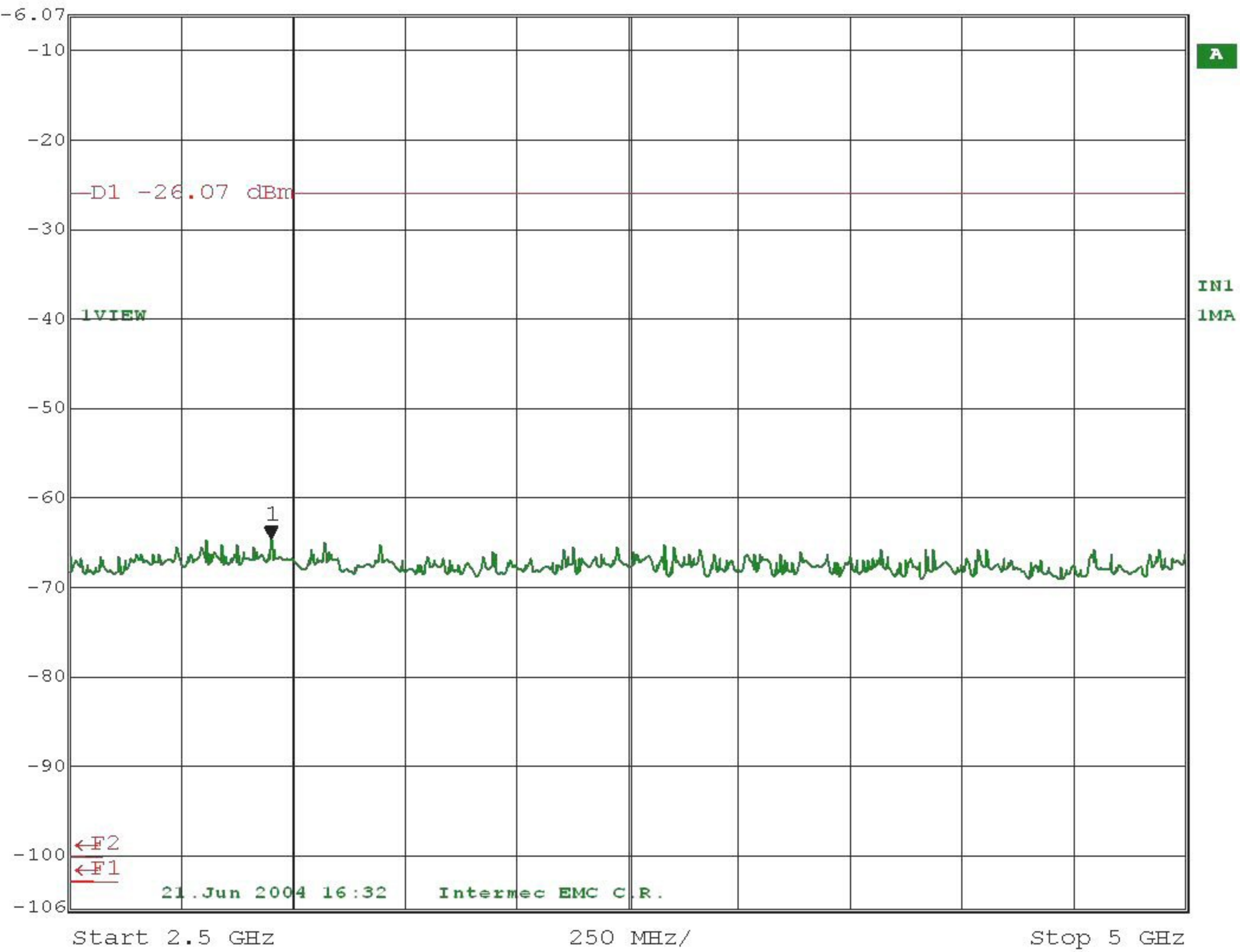
-6.1 dBm

2.95090180 GHz

SWT 640 ms

Unit

dBm



Title: Falcon U84 Chg

Comment A: Mode 3

Date: 21.JUN.2004 16:32:07



Marker 1 [T1]

RBW 100 kHz

RF Att 20 dB

20 dB

Ref Lvl

-57.78 dBm

VBW 100 kHz

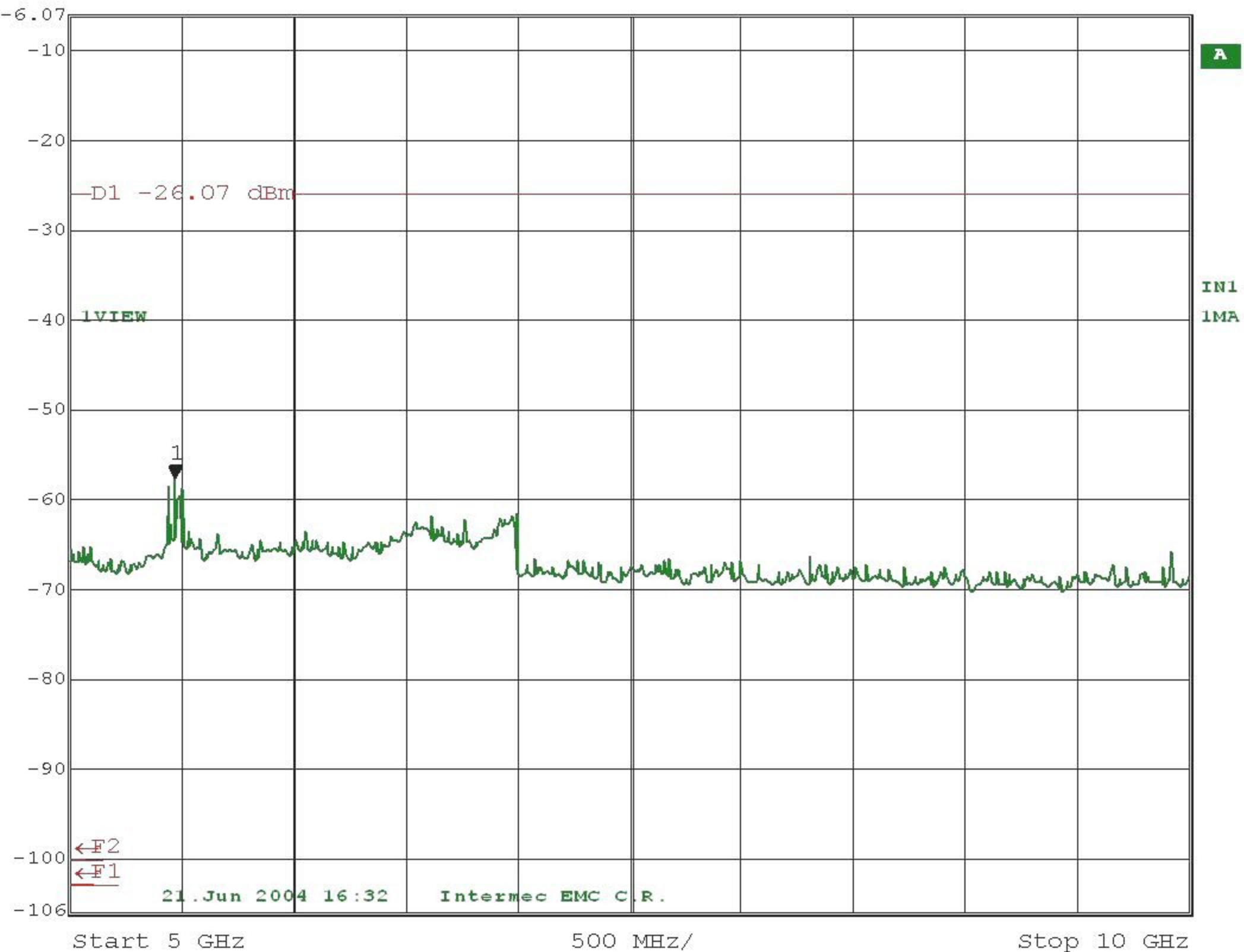
-6.1 dBm

5.47094188 GHz

SWT 1.25 s

Unit

dBm



Title: Falcon U84 Chg

Comment A: Mode 3

Date: 21.JUN.2004 16:32:49