

RETLIF TESTING LABORATORIES

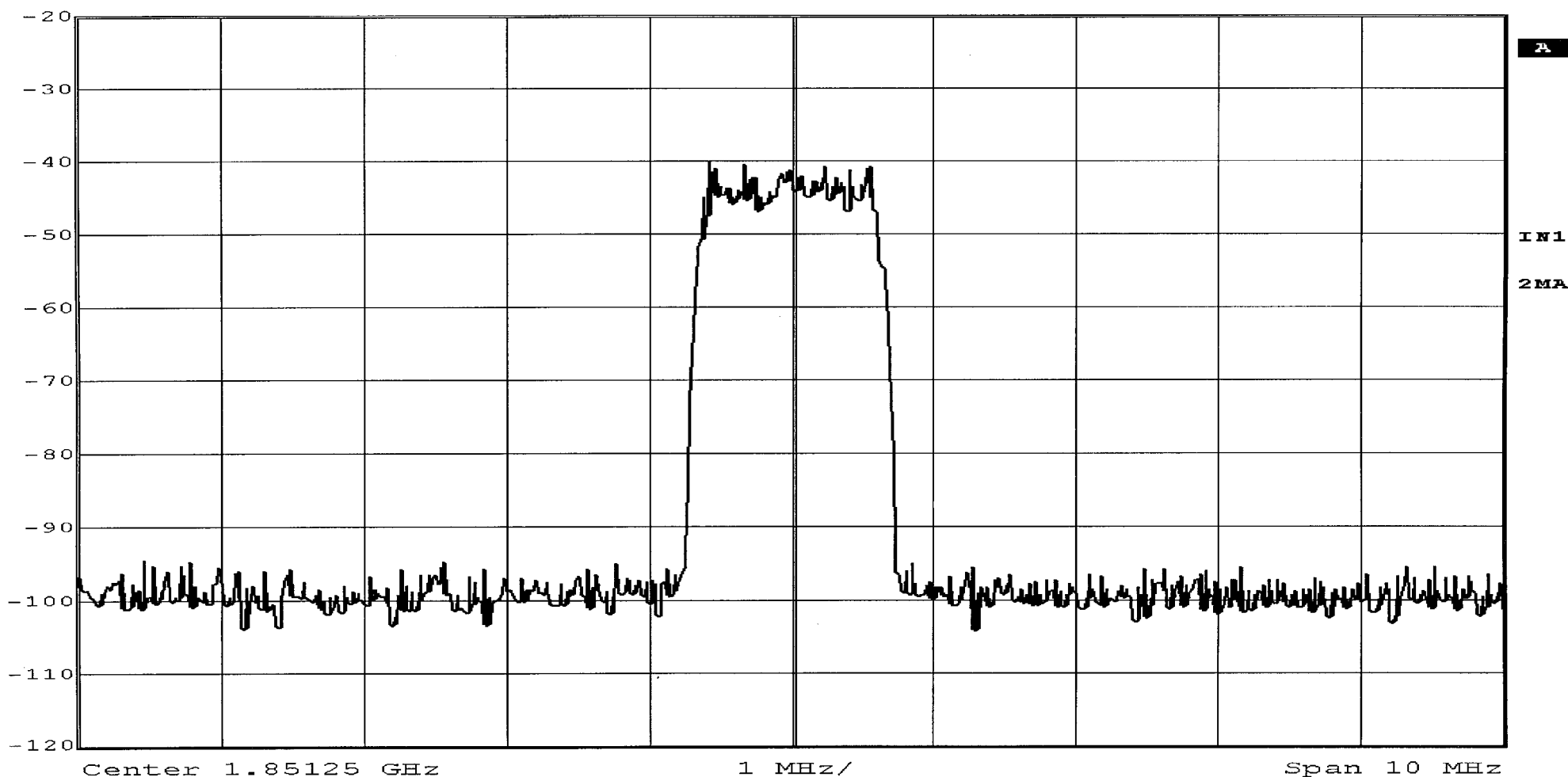
EMISSIONS DATA SHEET

Test Method:	Occupied Bandwidth		
Customer:	Cellular Specialties	Test Sample:	Bidirectional Amplifier
Model No:	150PCS	Serial No:	n/a
Test Specification:	FCC Part 2 & 24	Paragraph:	2.1049 & 24.229
Operating Mode:	Amplifying uplink input signal		
Notes:	PCS Band: Block A 1850-1865 MHz Frequency: 1851.25 MHz Modulation: CDMA Input Signal		



Ref Lvl
-20 dBm

RBW 10 kHz RF Att 10 dB
VBW 10 kHz
SWT 250 ms Unit dBm

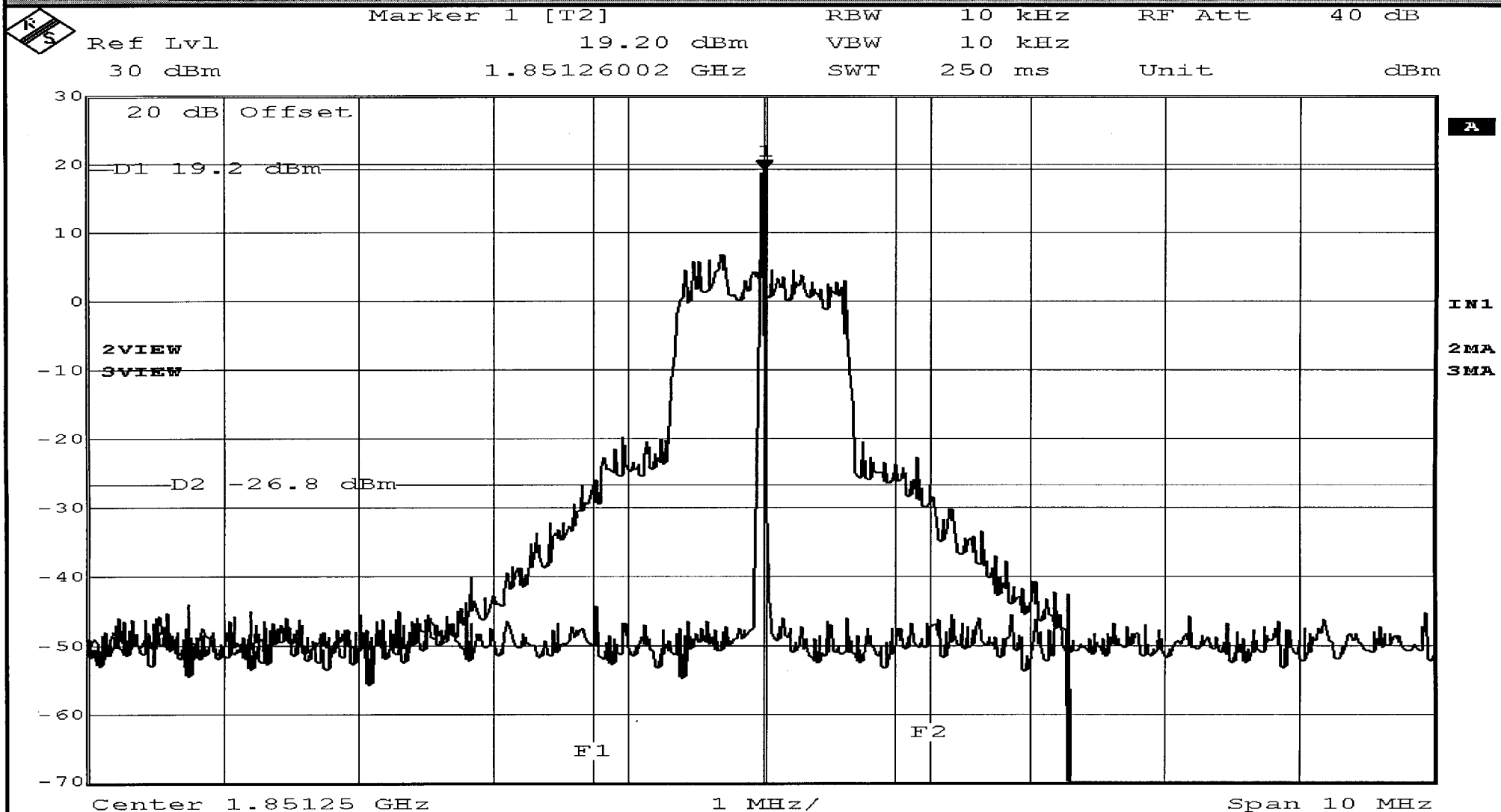


Date: 23.JUN.2003 15:59:10

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:	Occupied Bandwidth		
Customer:	Cellular Specialties	Test Sample:	Bidirectional Amplifier
Model No:	150PCS	Serial No:	n/a
Test Specification:	FCC Part 2 & 24	Paragraph:	2.1049 & 24.229
Operating Mode:	Amplifying uplink input signal		
Notes:	PCS Band: Block A 1850-1865 MHz Frequency: 1851.25 MHz Modulation: CDMA Output Signal		
Job No:	R-4132N		Technician:
		T. Firkowski	
Date:	6/24/03		

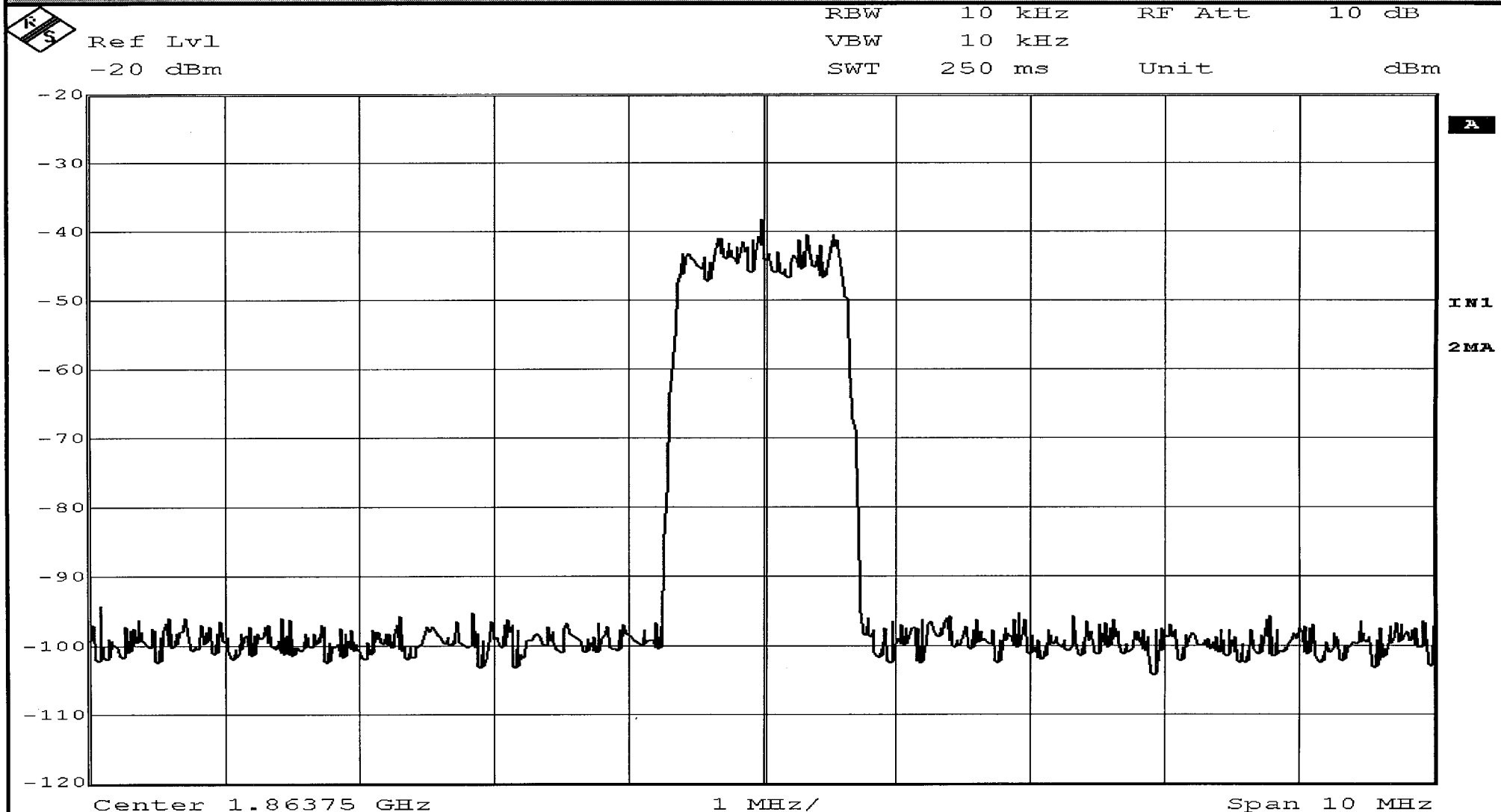


Date: 23.JUN.2003 15:58:04

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:	Occupied Bandwidth		
Customer:	Cellular Specialties	Test Sample:	Bidirectional Amplifier
Model No:	150PCS	Serial No:	n/a
Test Specification:	FCC Part 2 & 24	Paragraph:	2.1049 & 24.229
Operating Mode:	Amplifying uplink input signal		
Notes:	PCS Band: Block A 1850-1865 MHz Frequency: 1863.75 MHz Modulation: CDMA Input Signal		
		RBW	10 kHz
		VBW	10 kHz
		SWT	250 ms
		RF Att	10 dB
		Unit	dBm

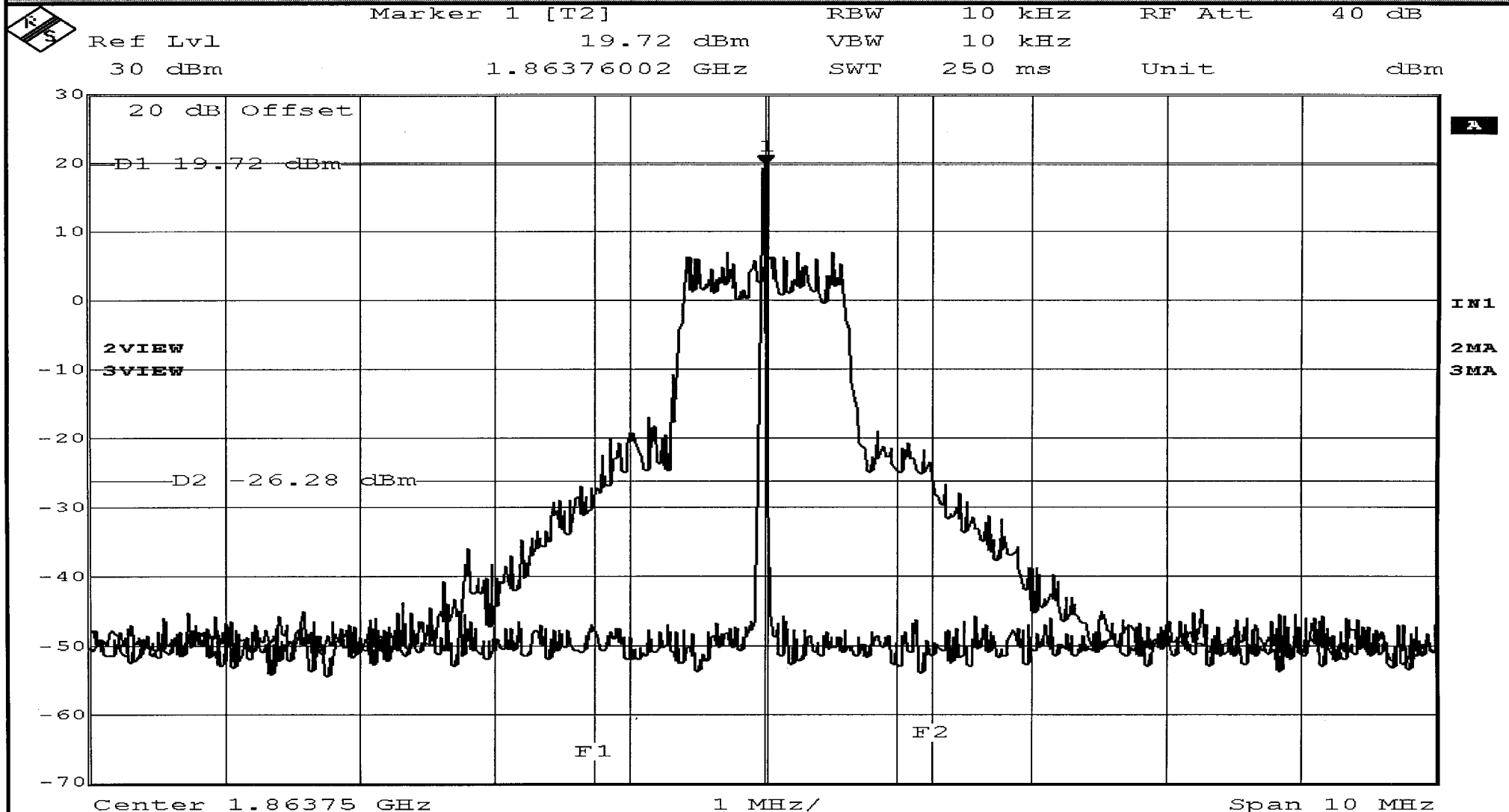


Date: 23.JUN.2003 16:00:01

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:	Occupied Bandwidth		
Customer:	Cellular Specialties	Test Sample:	Bidirectional Amplifier
Model No:	150PCS	Serial No:	n/a
Test Specification:	FCC Part 2 & 24	Paragraph:	2.1049 & 24.229
Operating Mode:	Amplifying uplink input signal		
Notes:	PCS Band: Block A 1850-1865 MHz Frequency: 1863.75 MHz Modulation: CDMA Output Signal		
Job No:	R-4132N		Technician:
		T. Firkowski	
		Date:	6/24/03



Date: 23.JUN.2003 16:02:16

RETLIF TESTING LABORATORIES

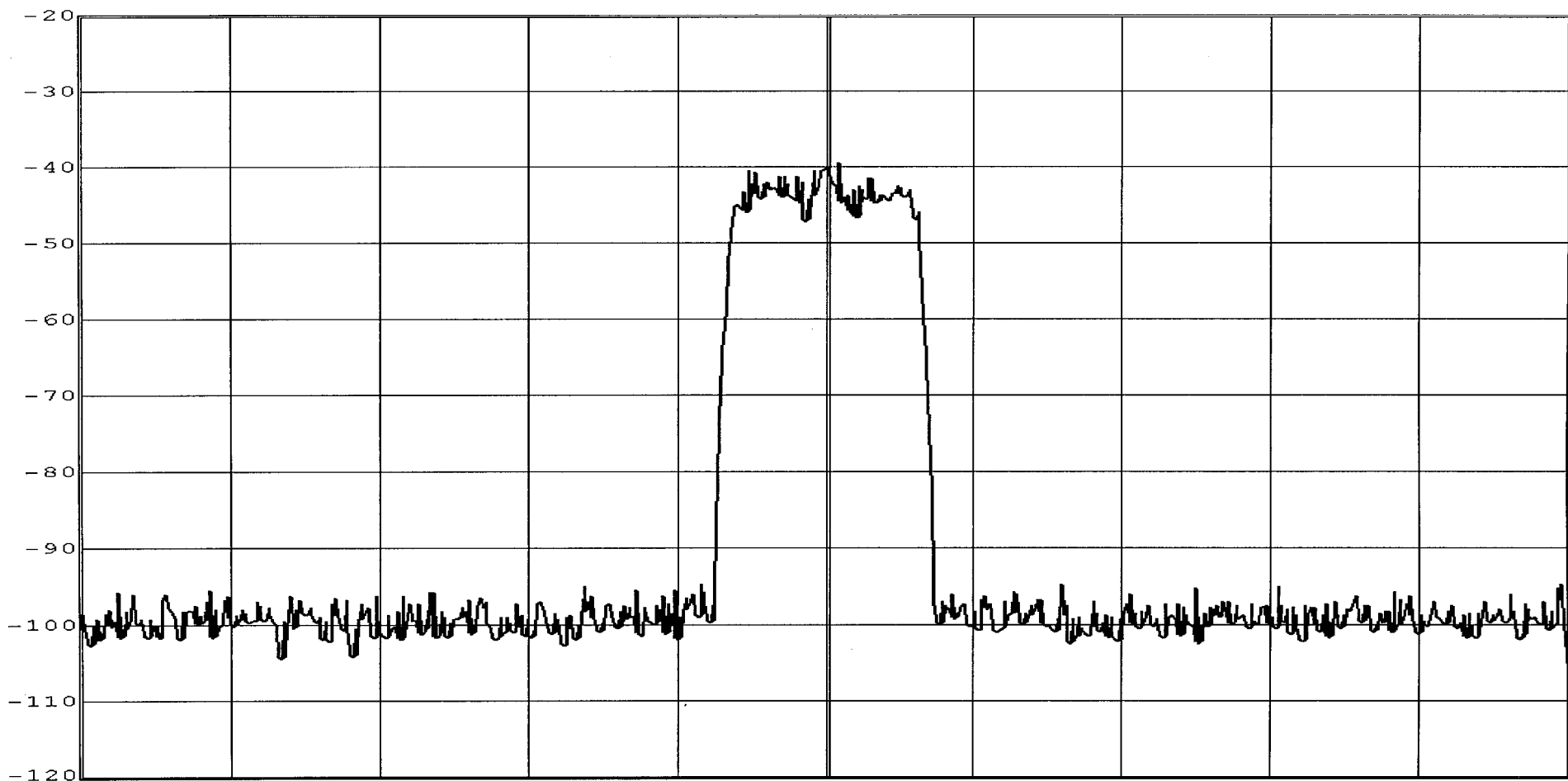
EMISSIONS DATA SHEET

Test Method:	Occupied Bandwidth		
Customer:	Cellular Specialties	Test Sample:	Bidirectional Amplifier
Model No:	150PCS	Serial No:	n/a
Test Specification:	FCC Part 2 & 24	Paragraph:	2.1049 & 24.229
Operating Mode:	Amplifying uplink input signal		
Notes:	PCS Band: Block B 1870-1885 MHz Frequency: 1871.25 MHz Modulation: CDMA Input Signal		
		Job No:	R-4132N
		Technician:	T. Firkowski
		Date:	6/24/03



Ref Lvl
-20 dBm

RBW 10 kHz RF Att 10 dB
VBW 10 kHz
SWT 250 ms Unit dBm



IN1

2MA

Center 1.87125 GHz

1 MHz/

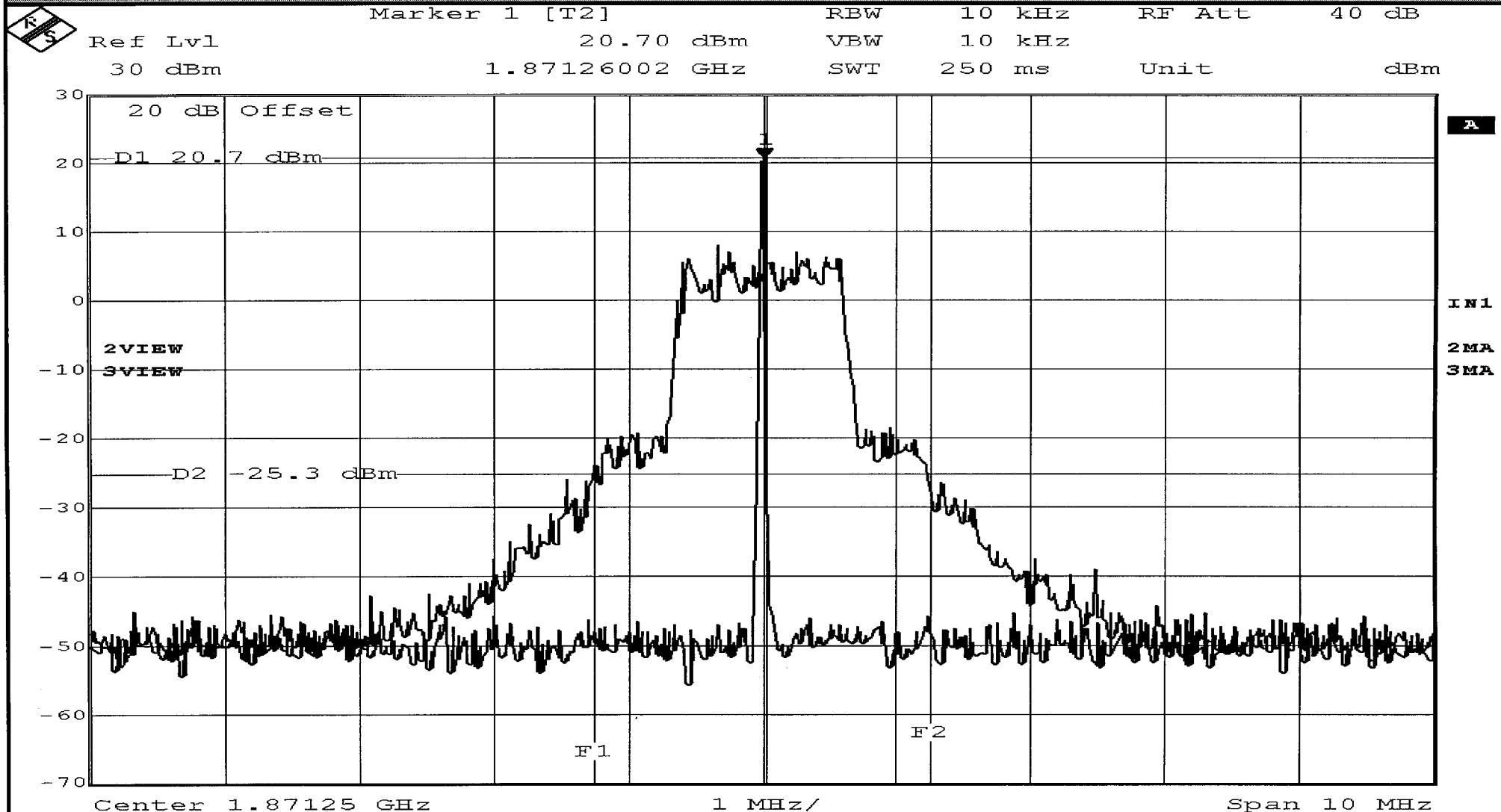
Span 10 MHz

Date: 24.JUN.2003 05:59:15

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:	Occupied Bandwidth		
Customer:	Cellular Specialties	Test Sample:	Bidirectional Amplifier
Model No:	150PCS	Serial No:	n/a
Test Specification:	FCC Part 2 & 24	Paragraph:	2.1049 & 24.229
Operating Mode:	Amplifying uplink input signal		
Notes:	PCS Band: Block B 1870-1885 MHz Frequency: 1871.25 MHz Modulation: CDMA Input Signal		
Job No:	R-4132N		Technician:
		T. Firkowski	
Date:	6/24/03		



Date: 24.JUN.2003 05:58:24

RETLIF TESTING LABORATORIES

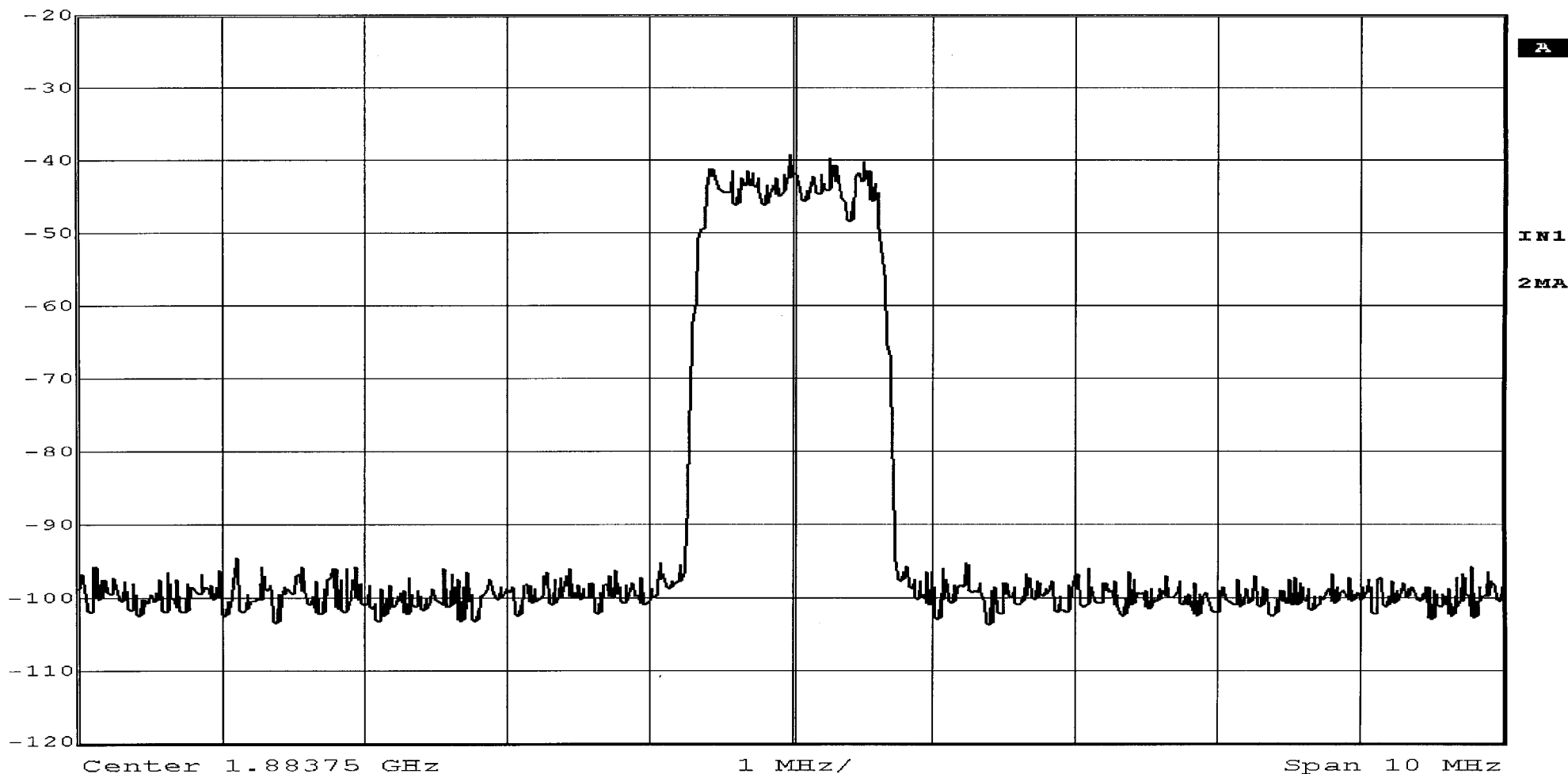
EMISSIONS DATA SHEET

Test Method:	Occupied Bandwidth		
Customer:	Cellular Specialties	Test Sample:	Bidirectional Amplifier
Model No:	150PCS	Serial No:	n/a
Test Specification:	FCC Part 2 & 24	Paragraph:	2.1049 & 24.229
Operating Mode:	Amplifying uplink input signal		
Notes:	PCS Band: Block B 1870-1885 MHz Frequency: 1883.75 MHz Modulation: CDMA Input Signal		



Ref Lvl
-20 dBm

RBW 10 kHz RF Att 10 dB
VBW 10 kHz
SWT 250 ms Unit dBm

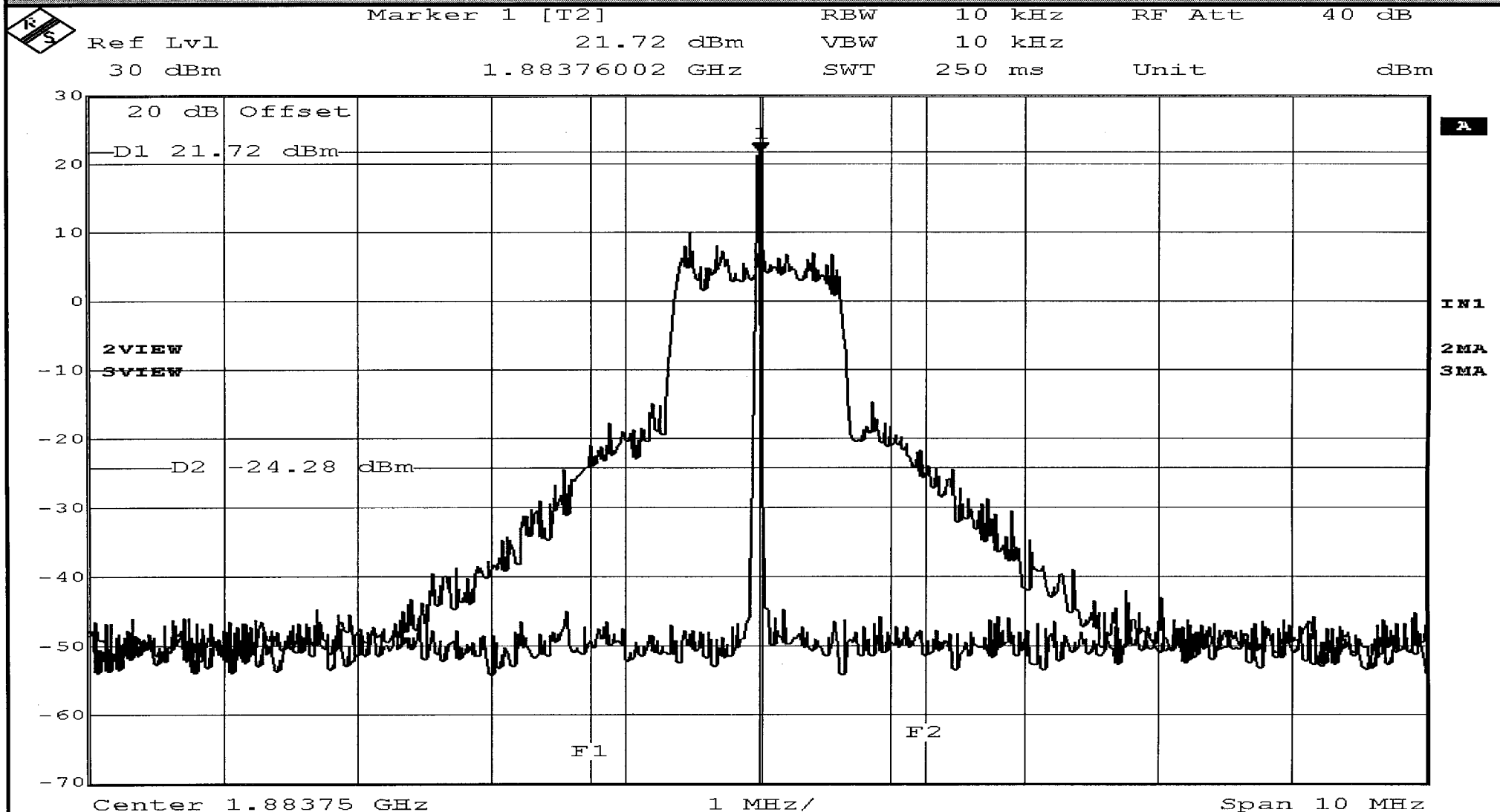


Date: 24.JUN.2003 06:00:15

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:	Occupied Bandwidth		
Customer:	Cellular Specialties	Test Sample:	Bidirectional Amplifier
Model No:	150PCS	Serial No:	n/a
Test Specification:	FCC Part 2 & 24	Paragraph:	2.1049 & 24.229
Operating Mode:	Amplifying uplink input signal		
Notes:	PCS Band: Block B 1870-1885 MHz	Frequency: 1883.75 MHz	Modulation: CDMA
			Output Signal

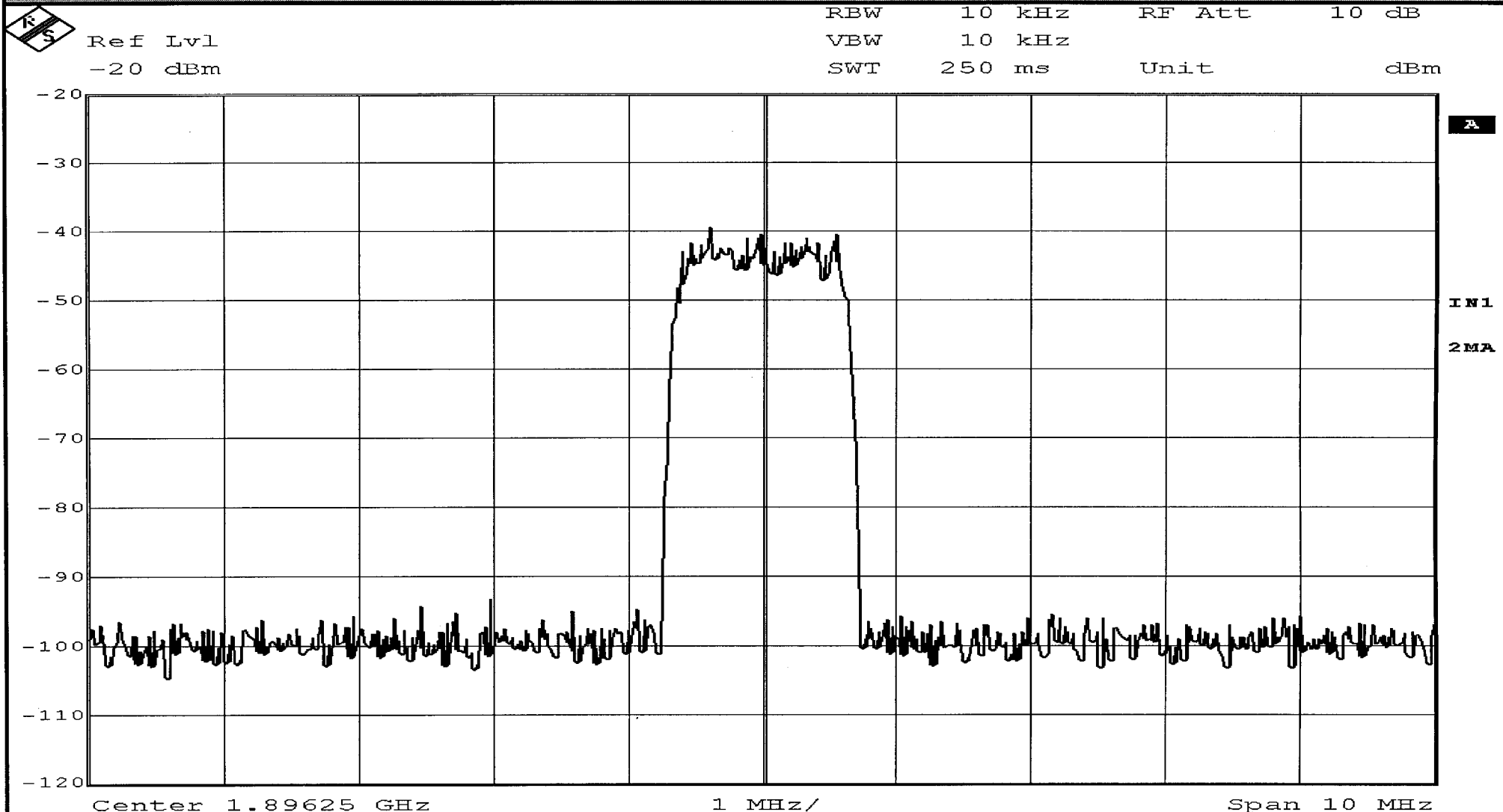


Date: 24.JUN.2003 06:05:02

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:	Occupied Bandwidth		
Customer:	Cellular Specialties	Test Sample:	Bidirectional Amplifier
Model No:	150PCS	Serial No:	n/a
Test Specification:	FCC Part 2 & 24	Paragraph:	2.1049 & 24.229
Operating Mode:	Amplifying uplink input signal		
Notes:	PCS Band: Block C 1895-1910 MHz Frequency: 1896.25 MHz Modulation: CDMA Input Signal		
		Job No:	R-4132N
		Technician:	T. Firkowski
		Date:	6/24/03

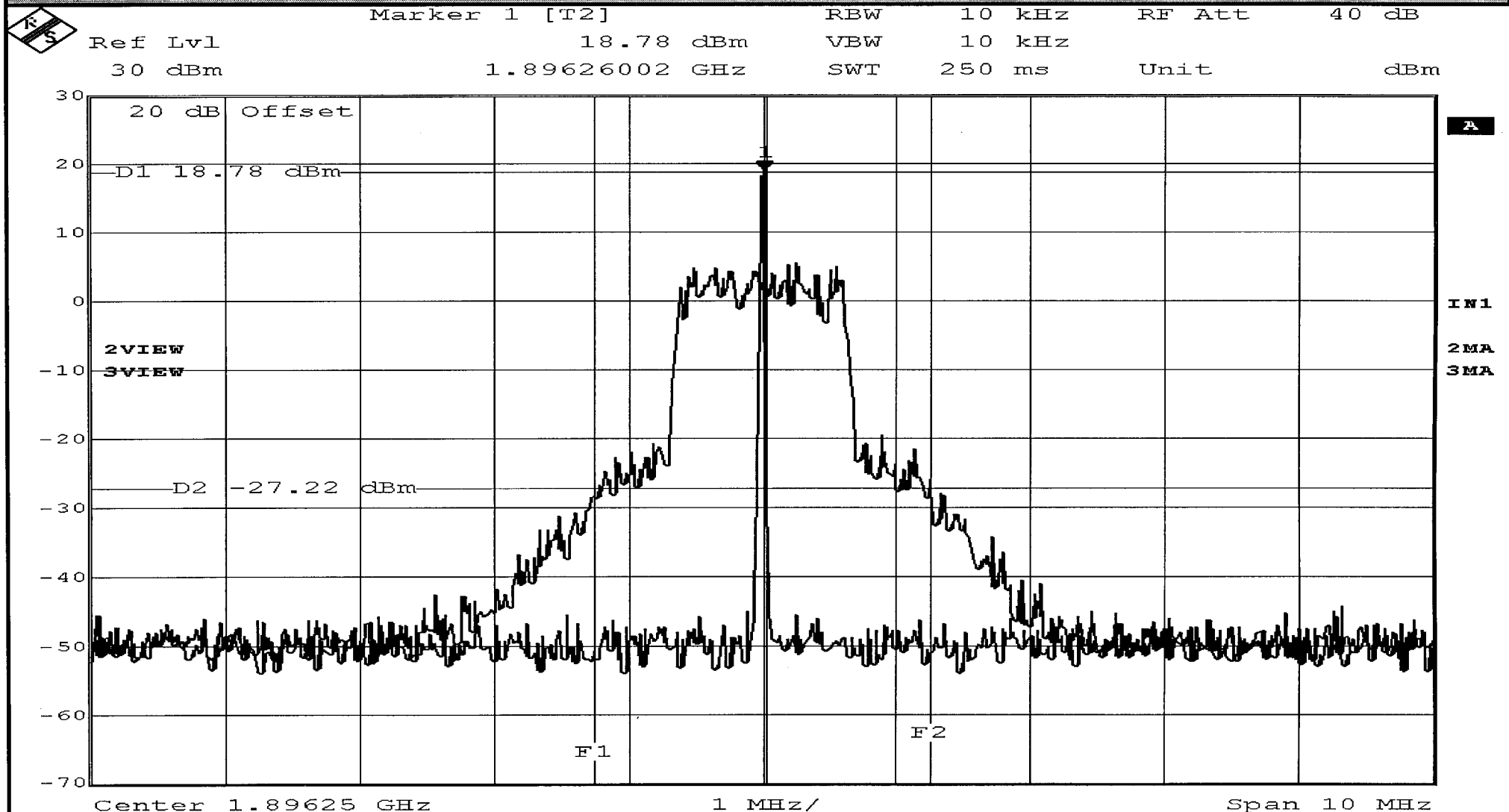


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RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:	Occupied Bandwidth		
Customer:	Cellular Specialties	Test Sample:	Bidirectional Amplifier
Model No:	150PCS	Serial No:	n/a
Test Specification:	FCC Part 2 & 24	Paragraph:	2.1049 & 24.229
Operating Mode:	Amplifying uplink input signal		
Notes:	PCS Band: Block C 1895-1910 MHz	Frequency: 1896.25 MHz	Modulation: CDMA
			Output Signal



Date: 24.JUN.2003 06:29:48

RETLIF TESTING LABORATORIES

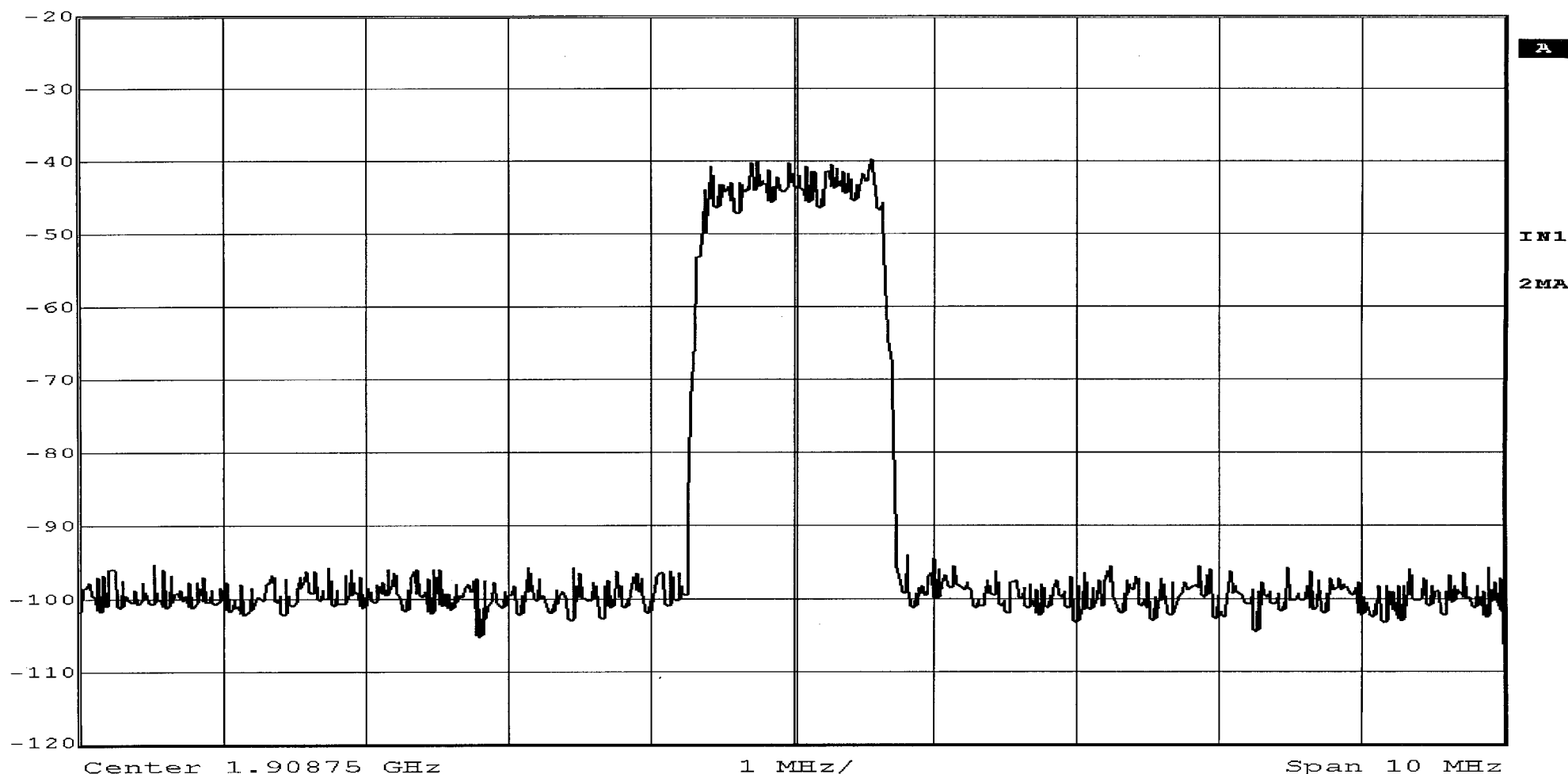
EMISSIONS DATA SHEET

Test Method:	Occupied Bandwidth		
Customer:	Cellular Specialties	Test Sample:	Bidirectional Amplifier
Model No:	150PCS	Serial No:	n/a
Test Specification:	FCC Part 2 & 24	Paragraph:	2.1049 & 24.229
Operating Mode:	Amplifying uplink input signal		
Notes:	PCS Band: Block C 1895-1910 MHz Frequency: 1908.75 MHz Modulation: CDMA Input Signal		
		Job No:	R-4132N
		Technician:	T. Firkowski
		Date:	6/24/03



Ref Lvl
-20 dBm

RBW 10 kHz RF Att 10 dB
VBW 10 kHz
SWT 250 ms Unit dBm

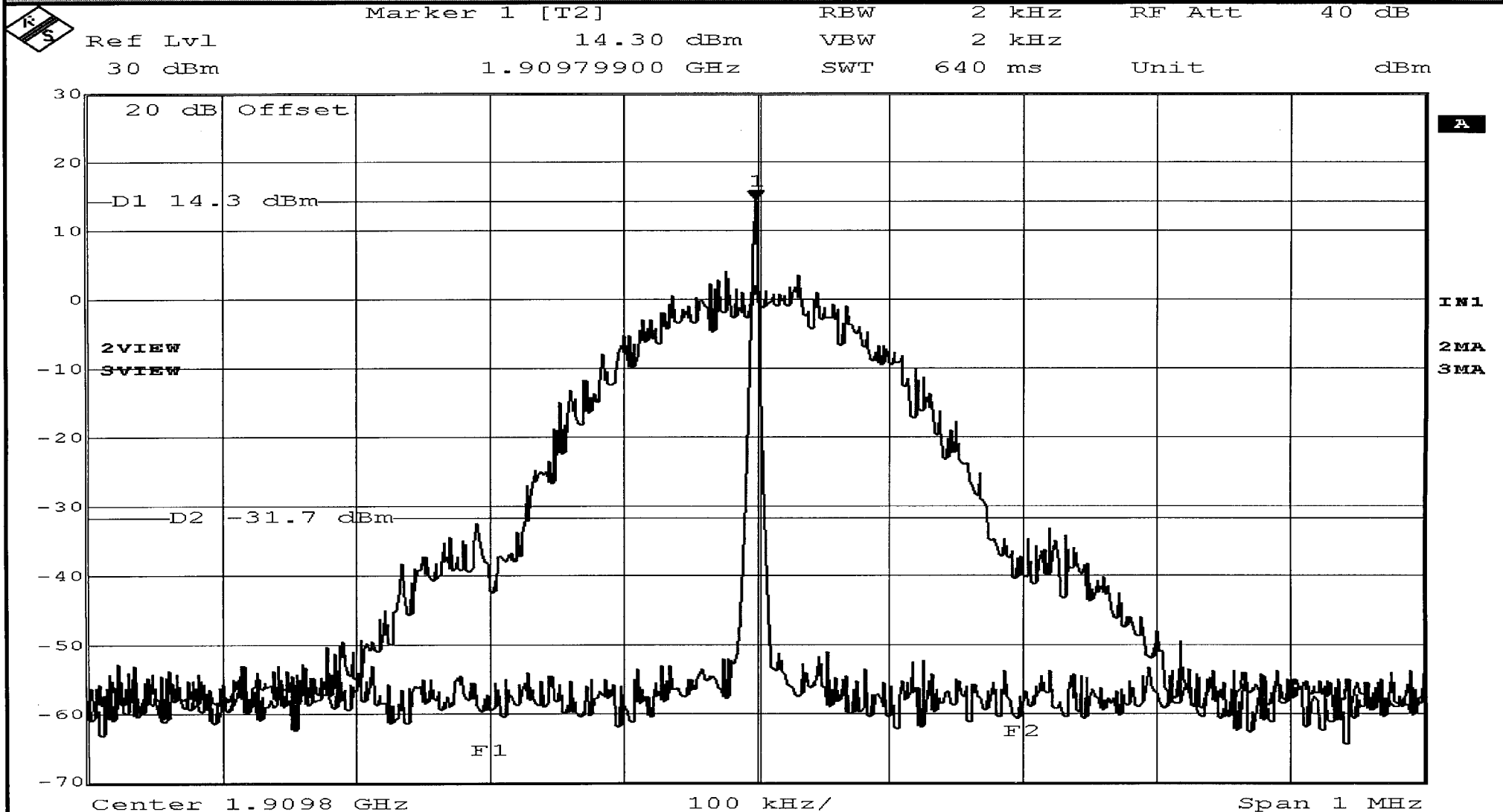


Date: 24.JUN.2003 06:31:22

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:	Occupied Bandwidth		
Customer:	Cellular Specialties	Test Sample:	Bidirectional Amplifier
Model No:	150PCS	Serial No:	n/a
Test Specification:	FCC Part 2 & 24	Paragraph:	2.1049 & 24.229
Operating Mode:	Amplifying uplink input signal		
Notes:	PCS Band: Block C 1895-1910 MHz Frequency: 1908.75 MHz Modulation: CDMA Output Signal		
Job No:	R-4132N		Technician:
		T. Firkowski	
		Date:	6/24/03

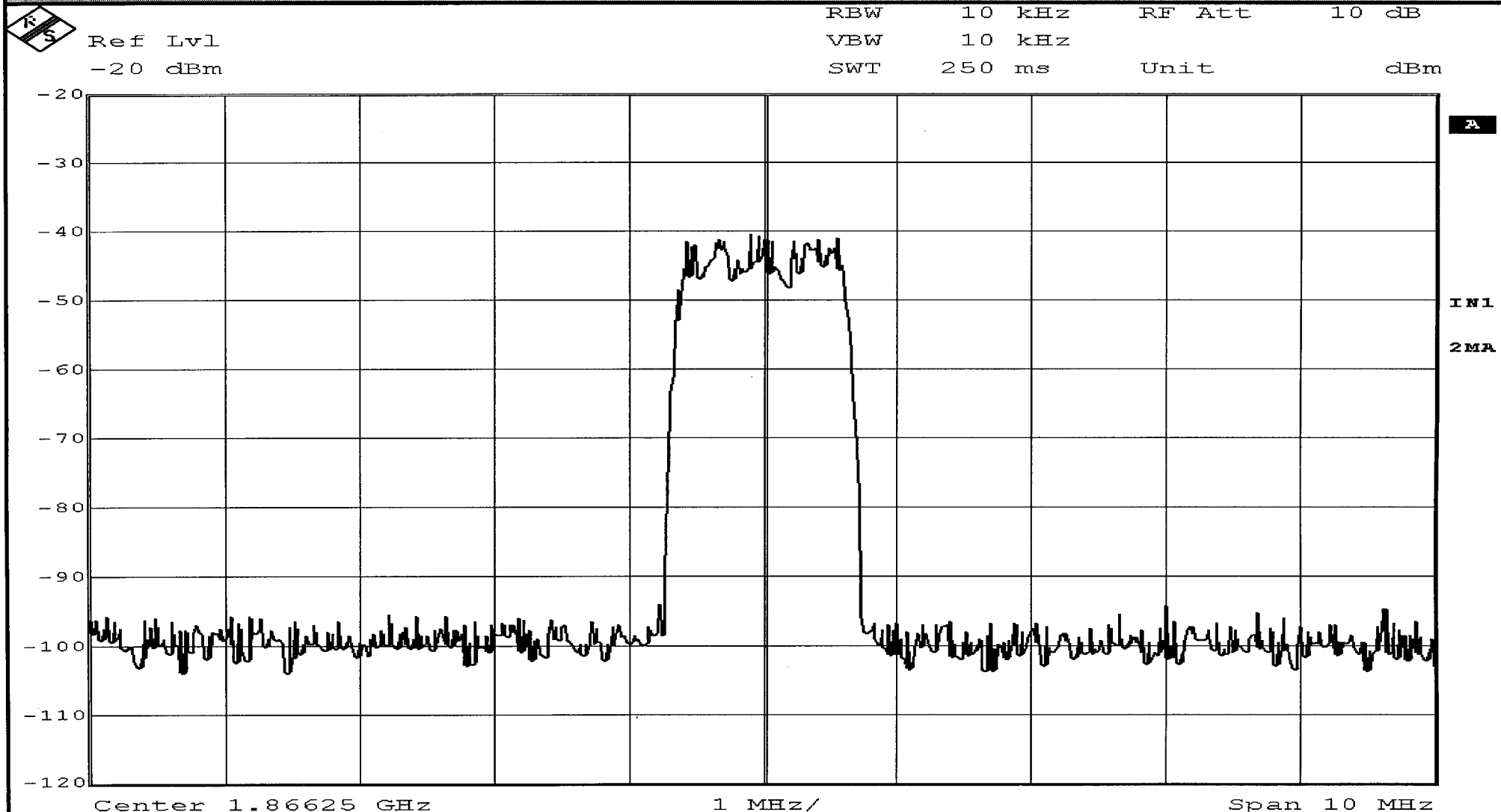


Date: 23.JUN.2003 15:27:05

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:	Occupied Bandwidth		
Customer:	Cellular Specialties	Test Sample:	Bidirectional Amplifier
Model No:	150PCS	Serial No:	n/a
Test Specification:	FCC Part 2 & 24	Paragraph:	2.1049 & 24.229
Operating Mode:	Amplifying uplink input signal		
Notes:	PCS Band: Block D 1865-1870 MHz Frequency: 1866.25 MHz Modulation: CDMA Input Signal		
		Job No:	R-4132N
		Technician:	T. Firkowski
		Date:	6/24/03

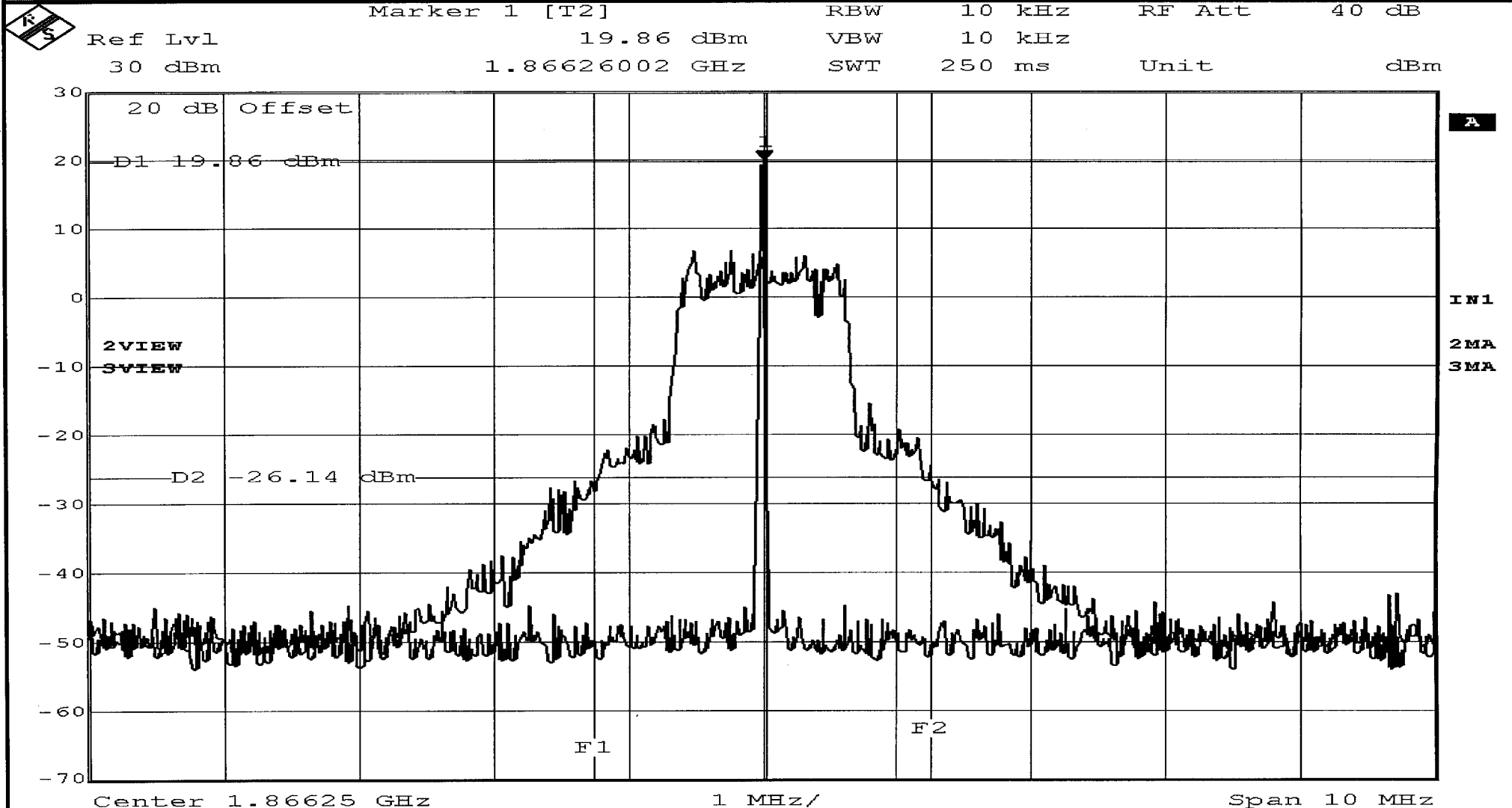


Date: 23.JUN.2003 16:08:16

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:	Occupied Bandwidth		
Customer:	Cellular Specialties	Test Sample:	Bidirectional Amplifier
Model No:	150PCS	Serial No:	n/a
Test Specification:	FCC Part 2 & 24	Paragraph:	2.1049 & 24.229
Operating Mode:	Amplifying uplink input signal		
Notes:	PCS Band: Block D 1865-1870 MHz	Frequency: 1866.25 MHz	Modulation: CDMA
			Output Signal

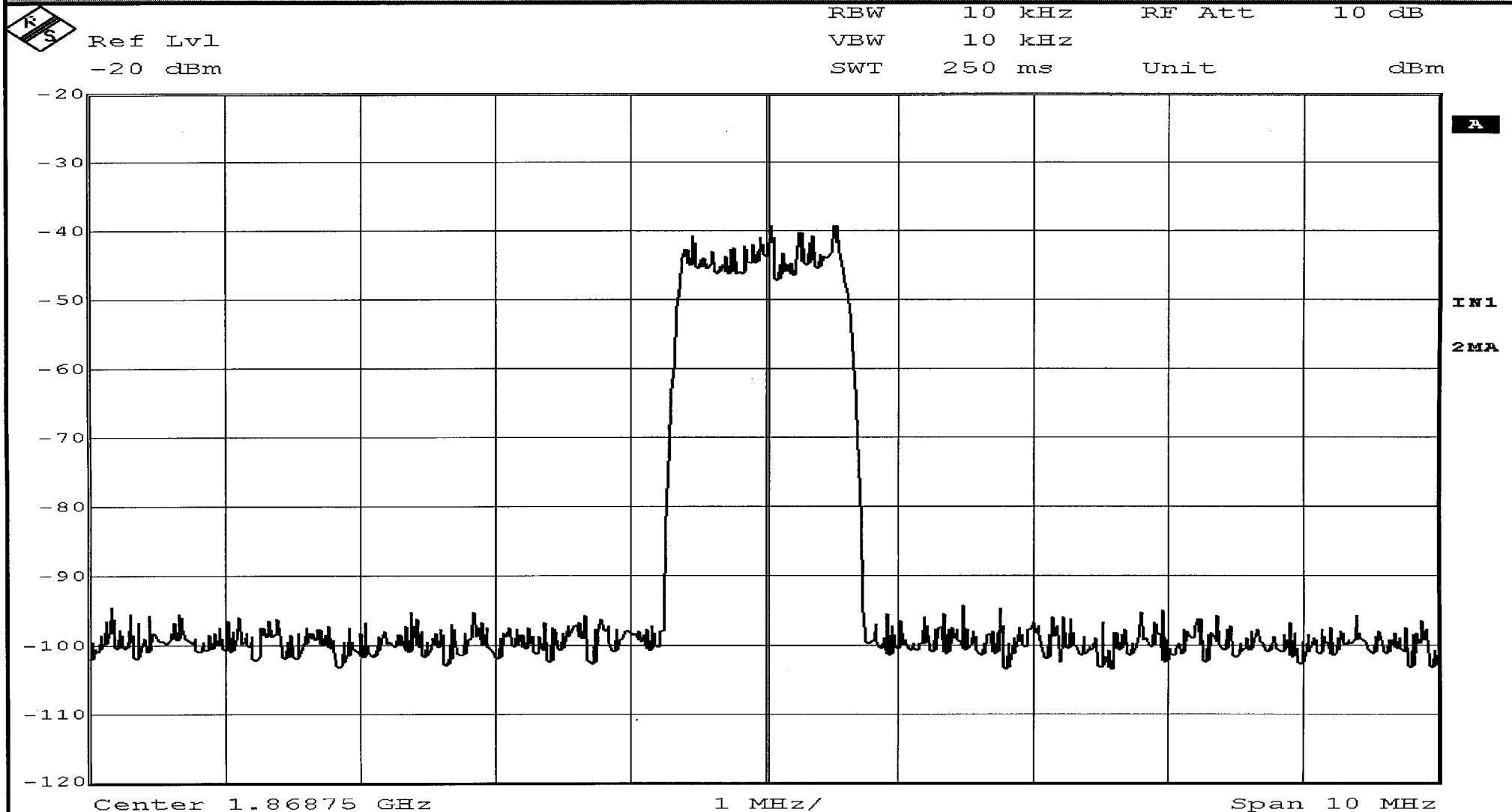


Date: 23.JUN.2003 16:04:36

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:	Occupied Bandwidth		
Customer:	Cellular Specialties	Test Sample:	Bidirectional Amplifier
Model No:	150PCS	Serial No:	n/a
Test Specification:	FCC Part 2 & 24	Paragraph:	2.1049 & 24.229
Operating Mode:	Amplifying uplink input signal		
Notes:	PCS Band: Block D 1865-1870 MHz Frequency: 1868.75 MHz Modulation: CDMA Input Signal		
		Job No:	R-4132N
		Technician:	T. Firkowski
		Date:	6/24/03

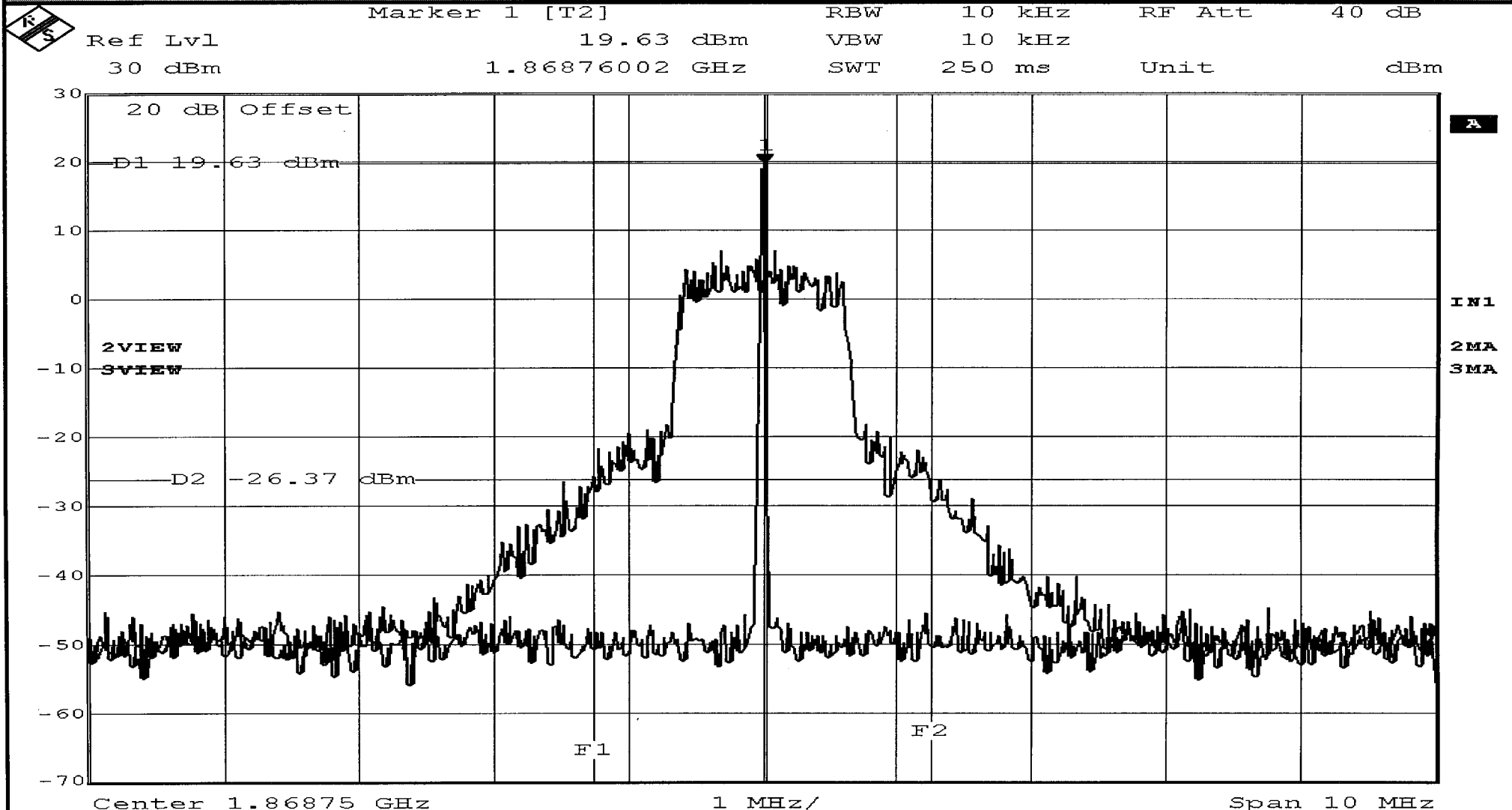


Date: 23.JUN.2003 16:09:04

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:	Occupied Bandwidth		
Customer:	Cellular Specialties	Test Sample:	Bidirectional Amplifier
Model No:	150PCS	Serial No:	n/a
Test Specification:	FCC Part 2 & 24	Paragraph:	2.1049 & 24.229
Operating Mode:	Amplifying uplink input signal		
Notes:	PCS Band: Block D 1865-1870 MHz Frequency: 1868.75 MHz Modulation: CDMA Output Signal		
Job No:	R-4132N		
Technician:	T. Firkowski		
Date:	6/24/03		



Date: 23.JUN.2003 16:11:18

RETLIF TESTING LABORATORIES

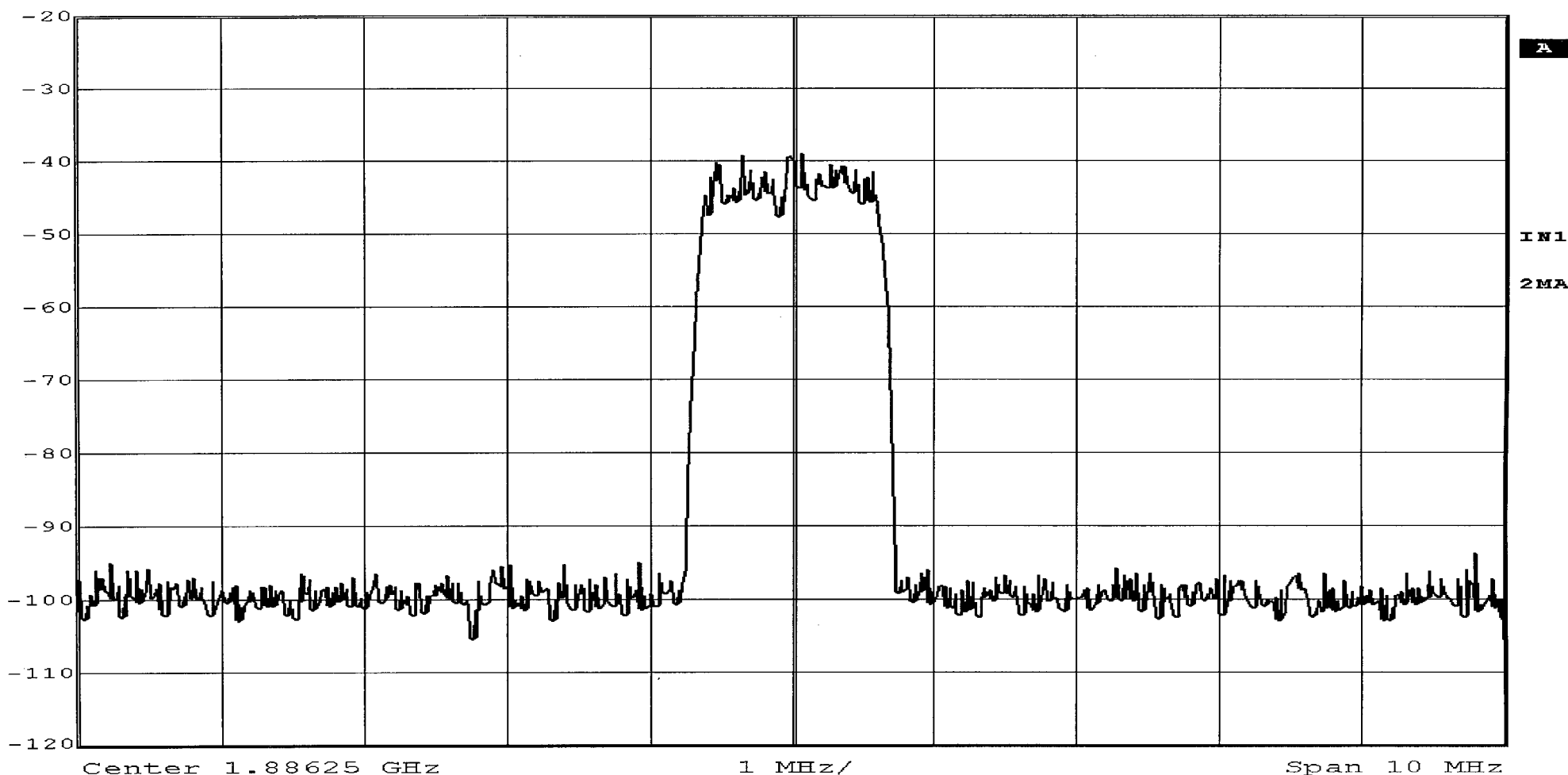
EMISSIONS DATA SHEET

Test Method:	Occupied Bandwidth		
Customer:	Cellular Specialties	Test Sample:	Bidirectional Amplifier
Model No:	150PCS	Serial No:	n/a
Test Specification:	FCC Part 2 & 24	Paragraph:	2.1049 & 24.229
Operating Mode:	Amplifying uplink input signal		
Notes:	PCS Band: Block E, 1885-1890 MHz	Frequency: 1886.25 MHz	Modulation: CDMA
			Input Signal



Ref Lvl
-20 dBm

RBW 10 kHz RF Att 10 dB
VBW 10 kHz
SWT 250 ms Unit dBm

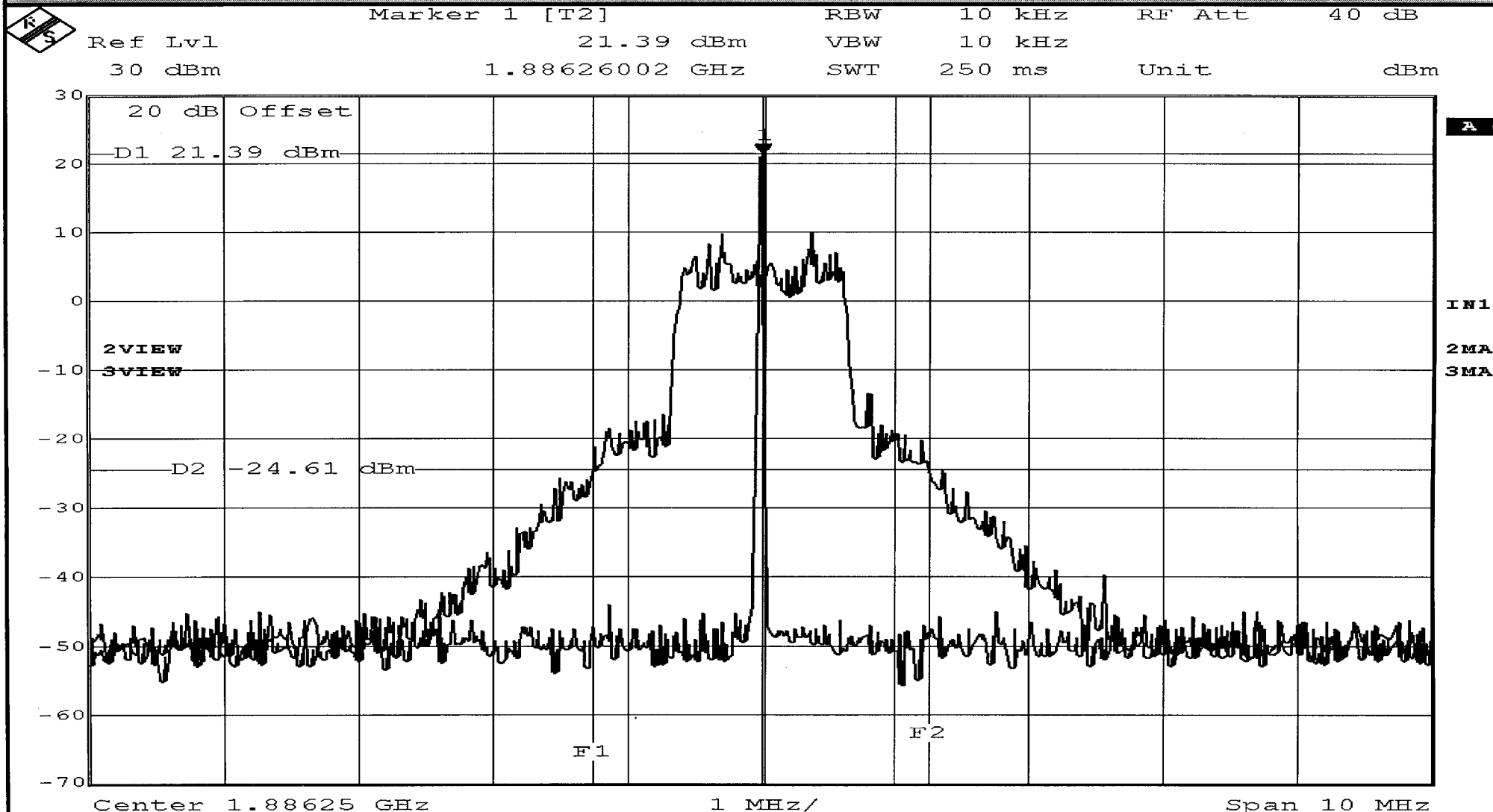


Date: 24.JUN.2003 06:09:36

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:	Occupied Bandwidth		
Customer:	Cellular Specialties	Test Sample:	Bidirectional Amplifier
Model No:	150PCS	Serial No:	n/a
Test Specification:	FCC Part 2 & 24	Paragraph:	2.1049 & 24.229
Operating Mode:	Amplifying uplink input signal		
Notes:	PCS Band: Block E, 1885-1890 MHz	Frequency: 1886.25 MHz	Modulation: CDMA
			Output Signal



Date: 24.JUN.2003 06:08:05

RETLIF TESTING LABORATORIES

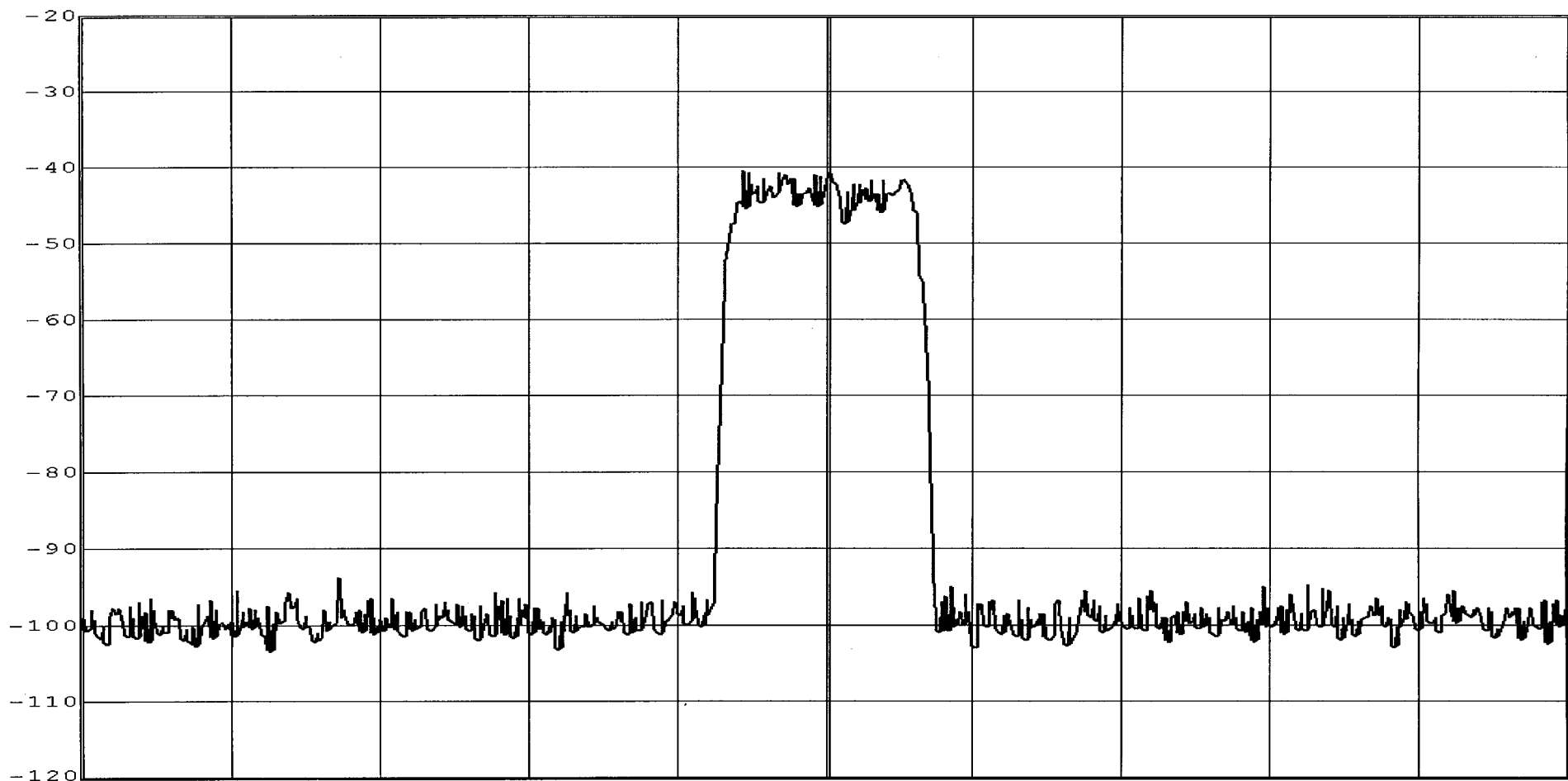
EMISSIONS DATA SHEET

Test Method:	Occupied Bandwidth		
Customer:	Cellular Specialties	Test Sample:	Bidirectional Amplifier
Model No:	150PCS	Serial No:	n/a
Test Specification:	FCC Part 2 & 24	Paragraph:	2.1049 & 24.229
Operating Mode:	Amplifying uplink input signal		
Notes:	PCS Band: Block E, 1885-1890 MHz Frequency: 1888.75 MHz Modulation: CDMA Input Signal		
		Job No:	R-4132N
		Technician:	T. Firkowski
		Date:	6/24/03



Ref Lvl
-20 dBm

RBW 10 kHz RF Att 10 dB
VBW 10 kHz
SWT 250 ms Unit dBm



A

IN1

2MA

Center 1.88875 GHz

1 MHz/

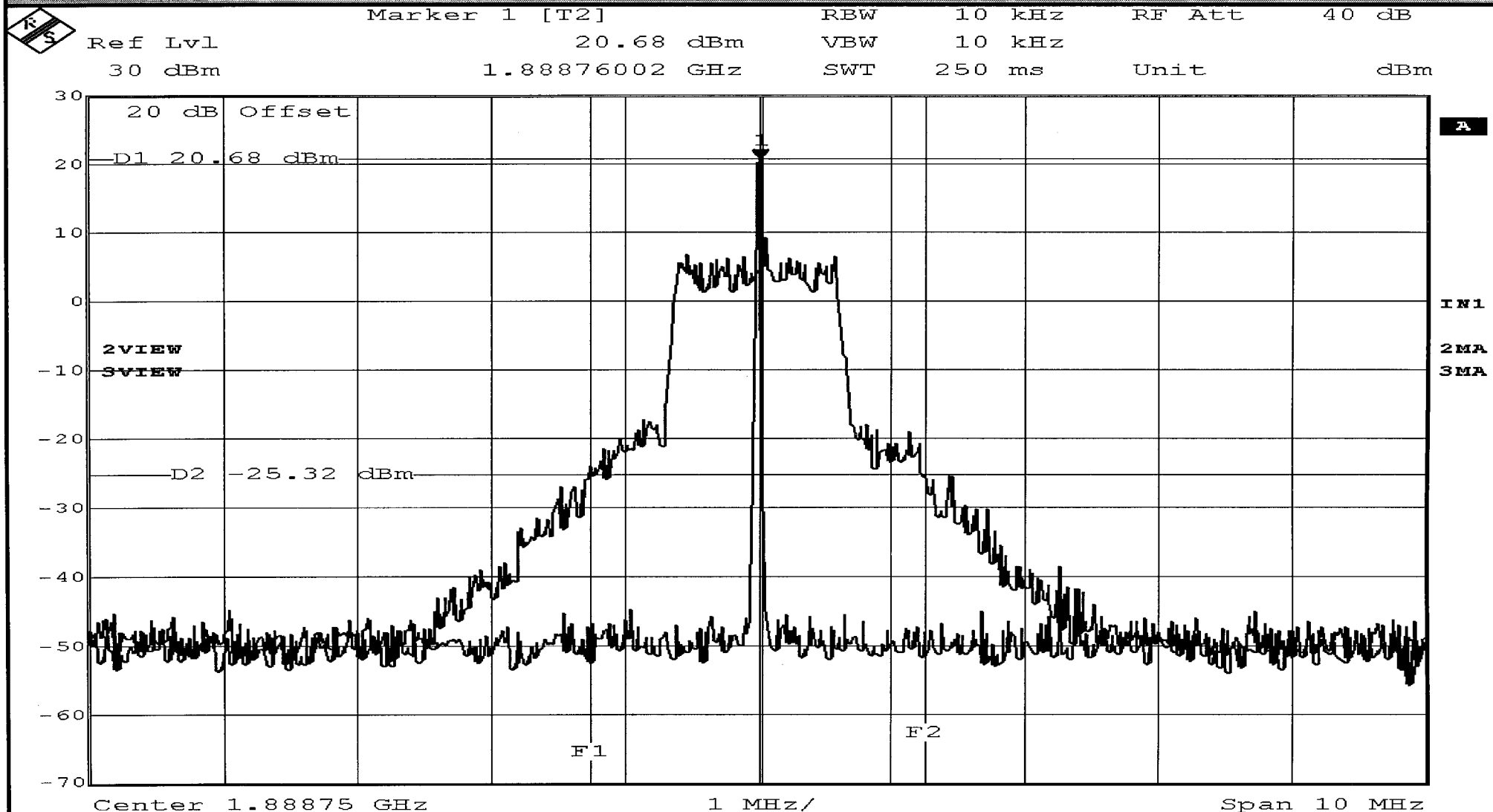
Span 10 MHz

Date: 24.JUN.2003 06:17:10

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:	Occupied Bandwidth		
Customer:	Cellular Specialties	Test Sample:	Bidirectional Amplifier
Model No:	150PCS	Serial No:	n/a
Test Specification:	FCC Part 2 & 24	Paragraph:	2.1049 & 24.229
Operating Mode:	Amplifying uplink input signal		
Notes:	PCS Band: Block E, 1885-1890 MHz	Frequency: 1888.75 MHz	Modulation: CDMA
			Output Signal



Date: 24.JUN.2003 06:15:58

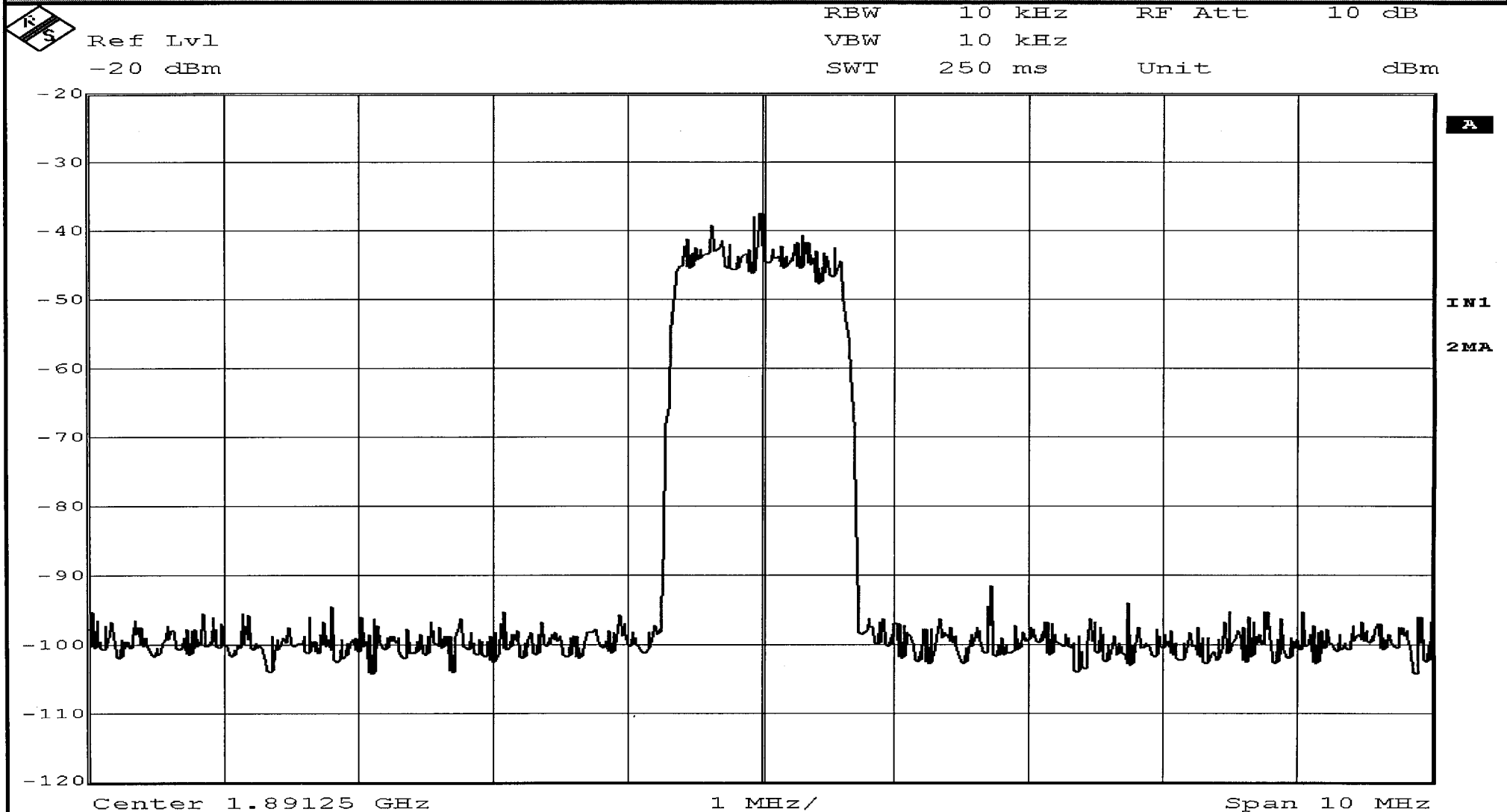
Data Sheet 68 of 144

R-4132N

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:	Occupied Bandwidth		
Customer:	Cellular Specialties	Test Sample:	Bidirectional Amplifier
Model No:	150PCS	Serial No:	n/a
Test Specification:	FCC Part 2 & 24	Paragraph:	2.1049 & 24.229
Operating Mode:	Amplifying uplink input signal		
Notes:	PCS Band: Block F, 1890-1895 MHz	Frequency: 1891.25 MHz	Modulation: CDMA
		Input Signal	

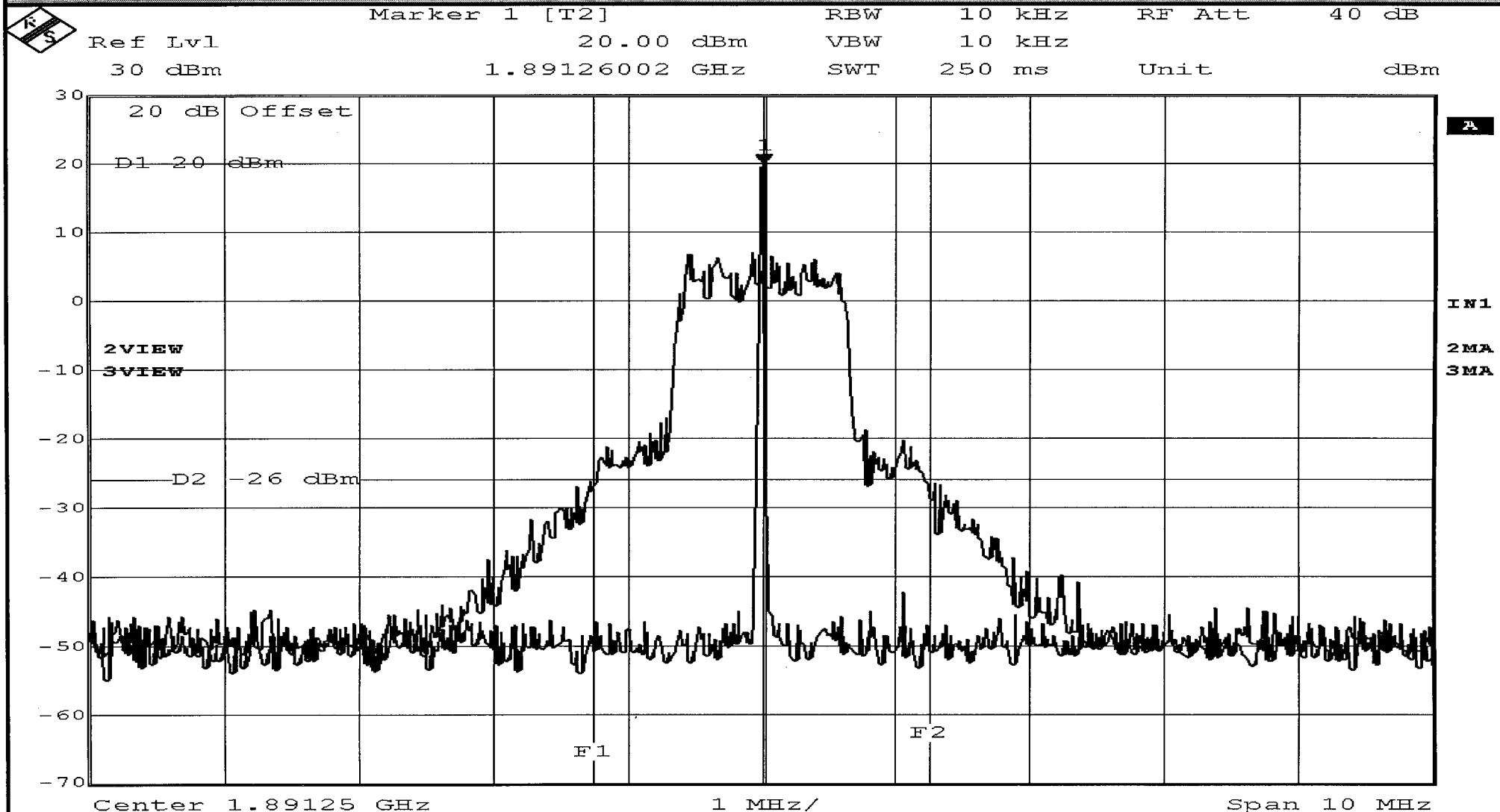


Date: 24.JUN.2003 06:17:55

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:	Occupied Bandwidth		
Customer:	Cellular Specialties	Test Sample:	Bidirectional Amplifier
Model No:	150PCS	Serial No:	n/a
Test Specification:	FCC Part 2 & 24	Paragraph:	2.1049 & 24.229
Operating Mode:	Amplifying uplink input signal		
Notes:	PCS Band: Block F, 1890-1895 MHz Frequency: 1891.25 MHz Modulation: CDMA Output Signal		
Job No:	R-4132N		Technician:
		T. Firkowski	
Date:	6/24/03		

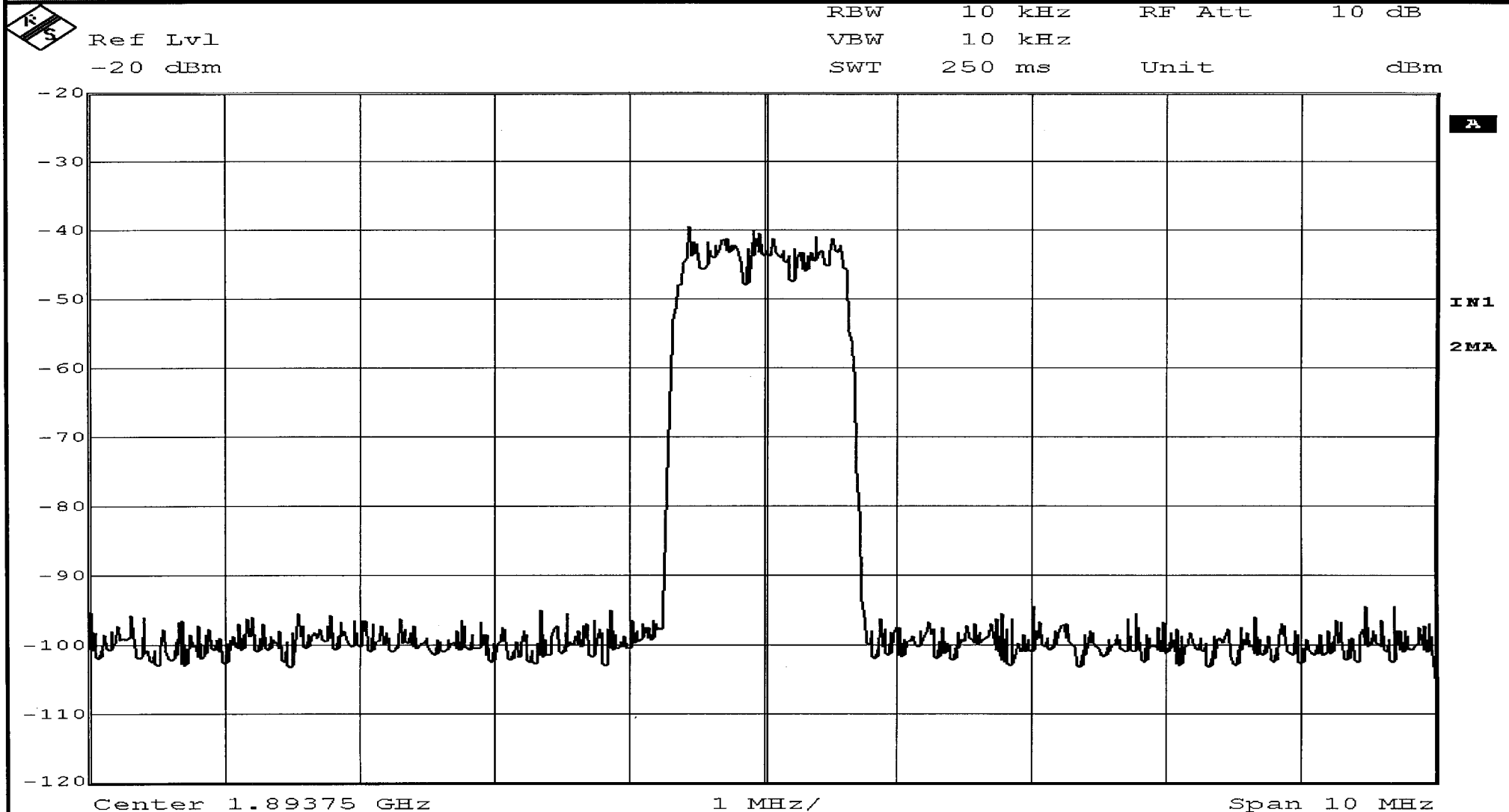


Date: 24.JUN.2003 06:19:30

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:	Occupied Bandwidth		
Customer:	Cellular Specialties	Test Sample:	Bidirectional Amplifier
Model No:	150PCS	Serial No:	n/a
Test Specification:	FCC Part 2 & 24	Paragraph:	2.1049 & 24.229
Operating Mode:	Amplifying uplink input signal		
Notes:	PCS Band: Block F, 1890-1895 MHz	Frequency: 1893.75 MHz	Modulation: CDMA
		Input Signal	

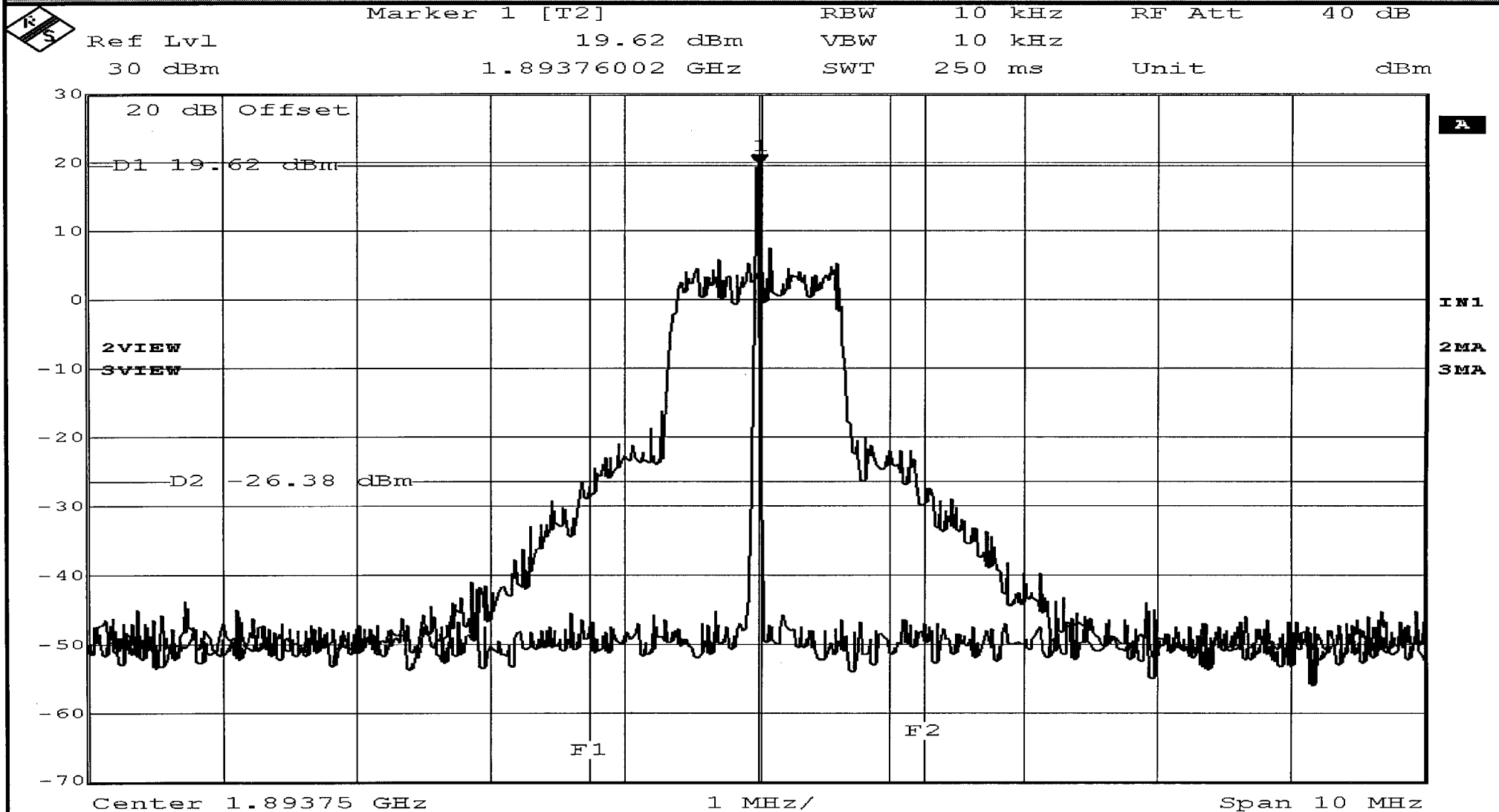


Date: 24 JUN 2003 06:10:25

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:	Occupied Bandwidth		
Customer:	Cellular Specialties	Test Sample:	Bidirectional Amplifier
Model No:	150PCS	Serial No:	n/a
Test Specification:	FCC Part 2 & 24	Paragraph:	2.1049 & 24.229
Operating Mode:	Amplifying uplink input signal		
Notes:	PCS Band: Block F, 1890-1895 MHz	Frequency: 1893.75 MHz	Modulation: CDMA
			Output Signal



Date: 24.JUN.2003 06:12:04