

RETLIF TESTING LABORATORIES

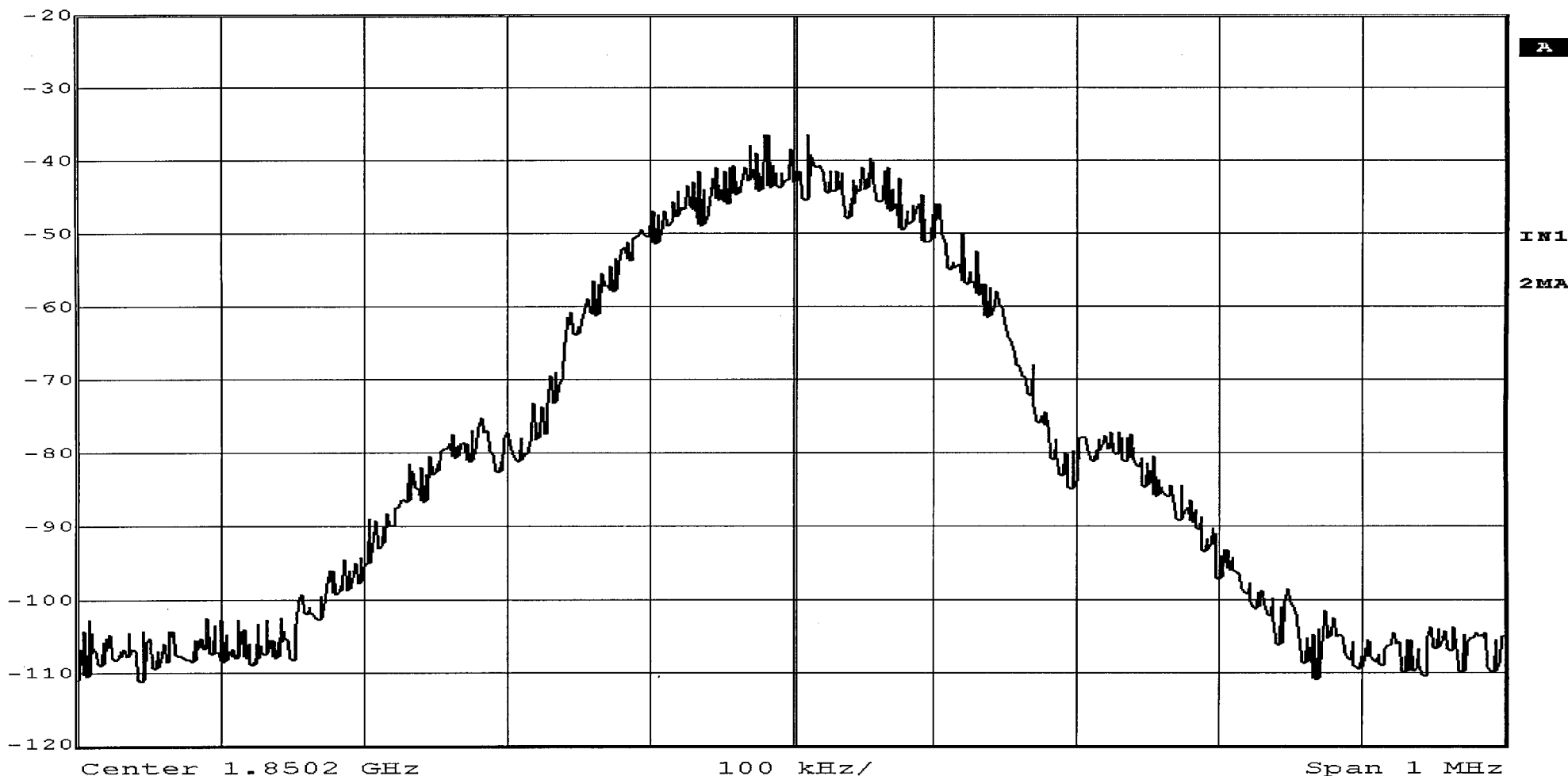
EMISSIONS DATA SHEET

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: 1850.2 MHz Modulation: GSM Input Signal		
			Job No: R-4132N
			Technician: T. Firkowski
			Date: 6/24/03



Ref Lvl
-20 dBm

RBW 2 kHz RF Att 10 dB
VBW 2 kHz
SWT 640 ms Unit dBm

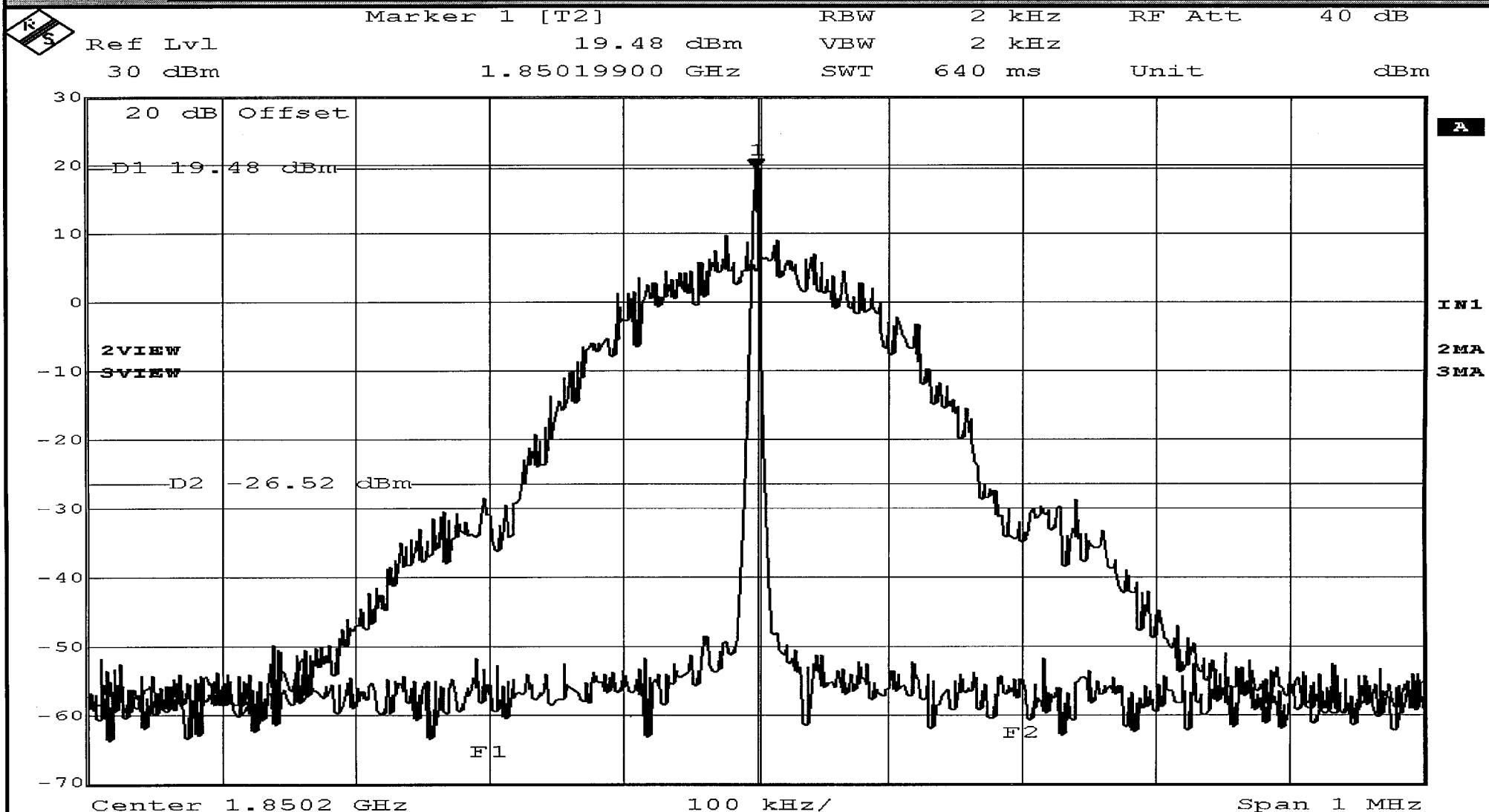


Date: 23.JUN.2003 14:24:13

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: 1850.2 MHz	Modulation: GSM
			Output Signal

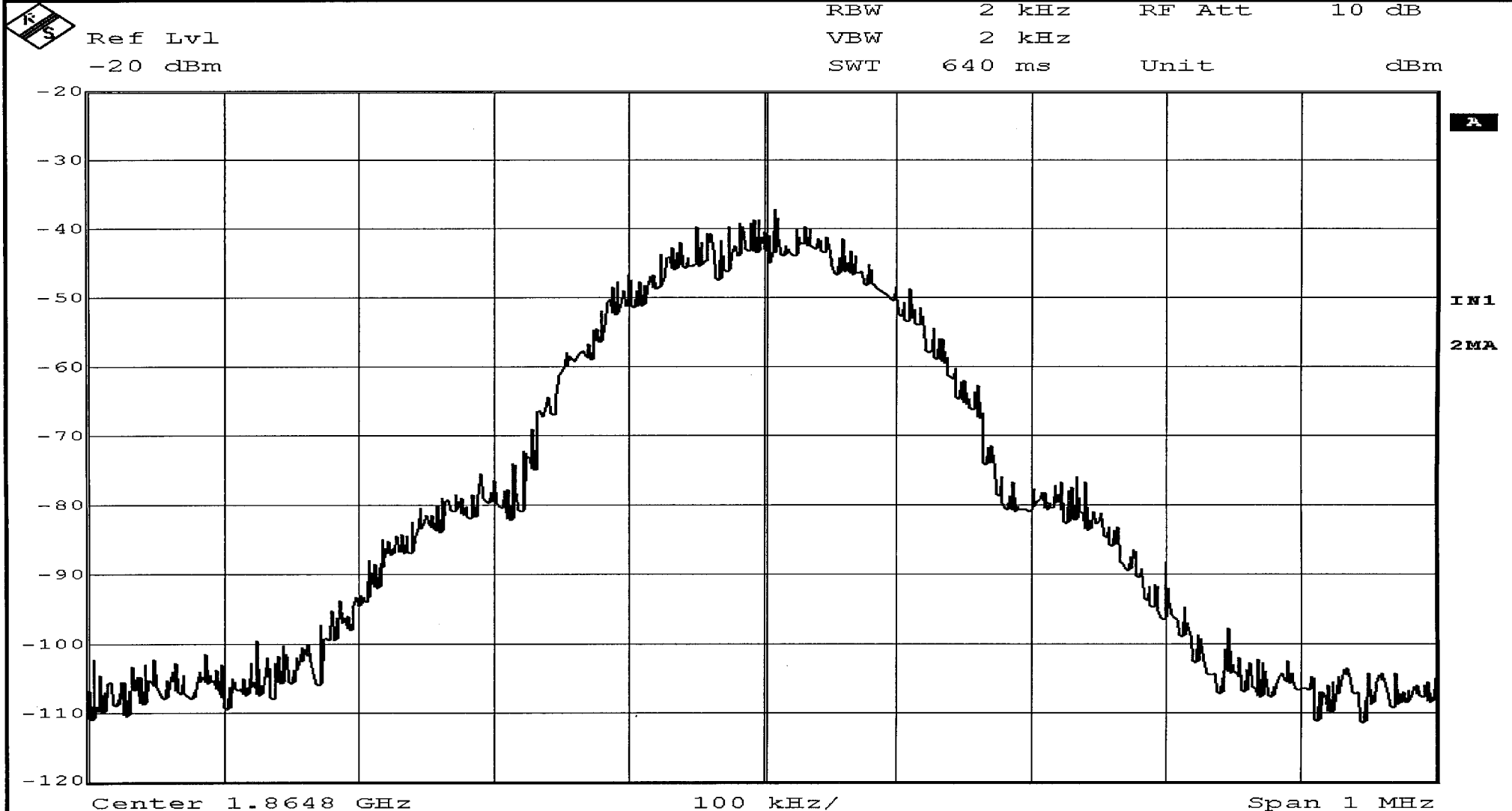


Date: 23.JUN.2003 14:23:06

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: 1864.8 MHz Modulation: GSM Input Signal		
			Job No: R-4132N
			Technician: T. Firkowski
			Date: 6/24/03

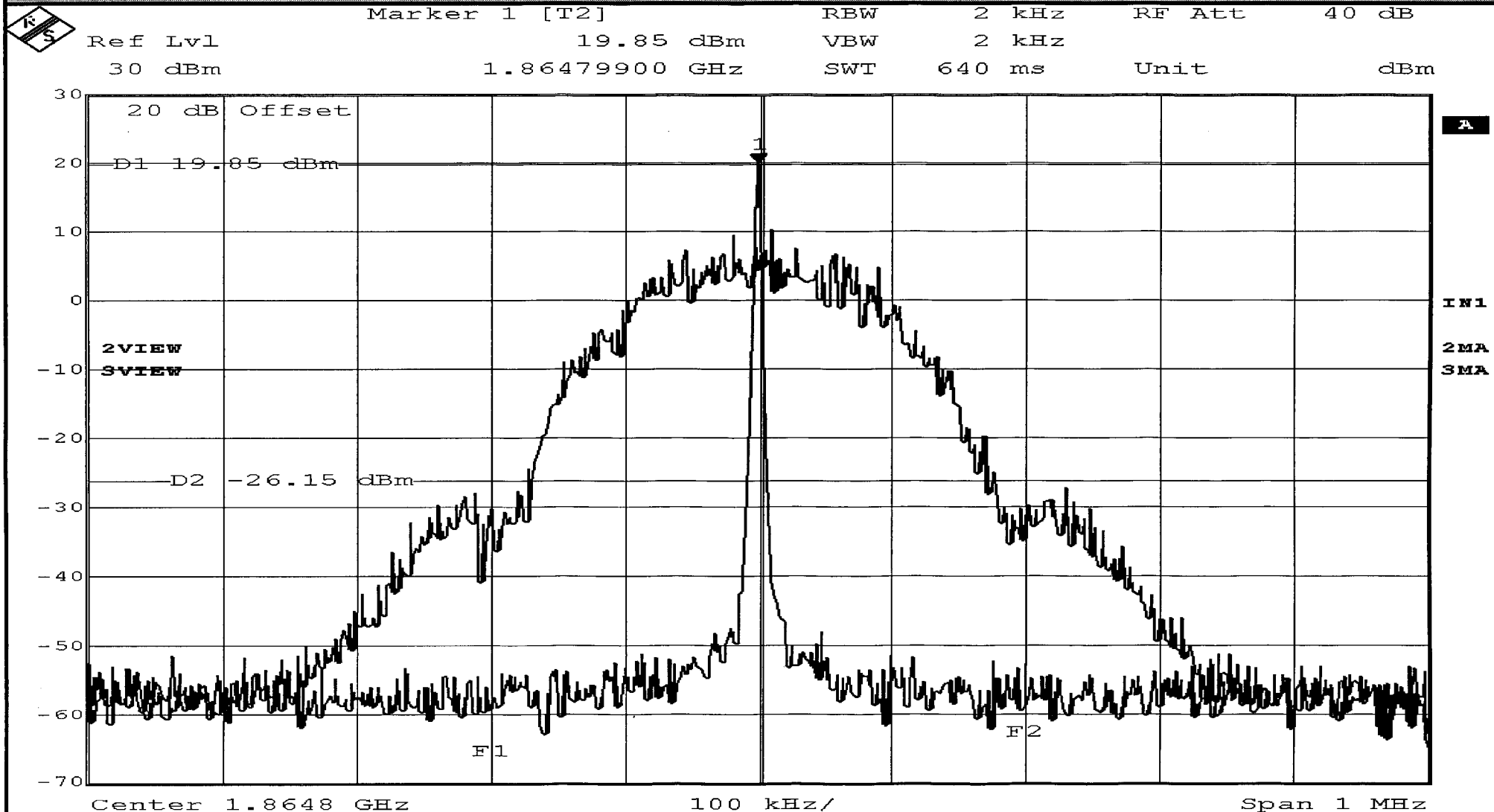


Date: 23.JUN.2003 14:24:55

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 A, 1850-1865 MHz Frequency: 1864.8 MHz Modulation: GSM Output Signal		
Job No:	R-4132N		Technician:
		T. Firkowski	
Date:	6/24/03		



Date: 23.JUN.2003 14:27:06

RETLIF TESTING LABORATORIES

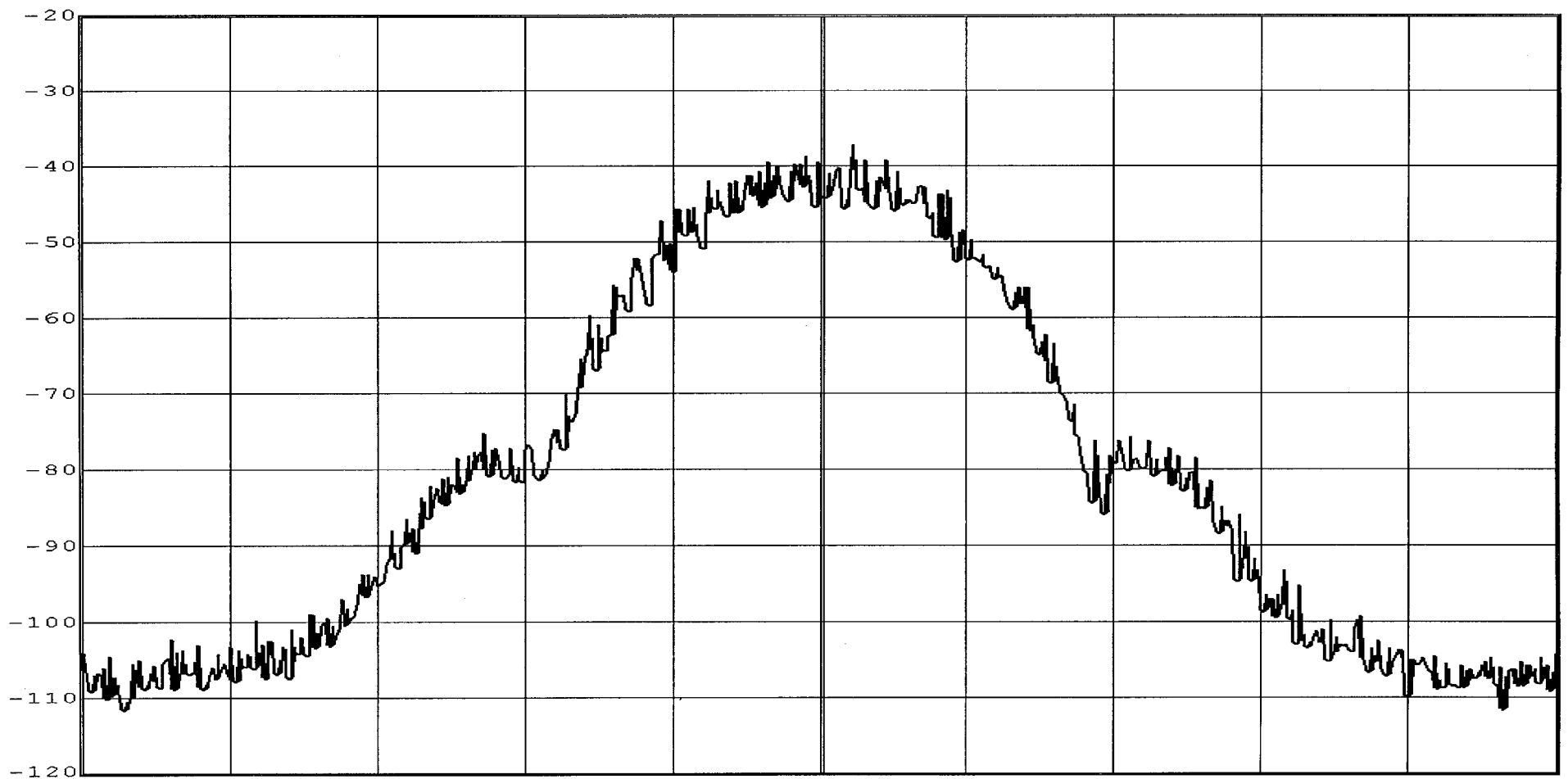
EMISSIONS DATA SHEET

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: 1870.2 MHz	Modulation: GSM
		Input Signal	



Ref Lvl
-20 dBm

RBW 2 kHz RF Att 10 dB
VBW 2 kHz
SWT 640 ms Unit dBm



A

IN1

2MA

Center 1.8702 GHz

100 kHz/

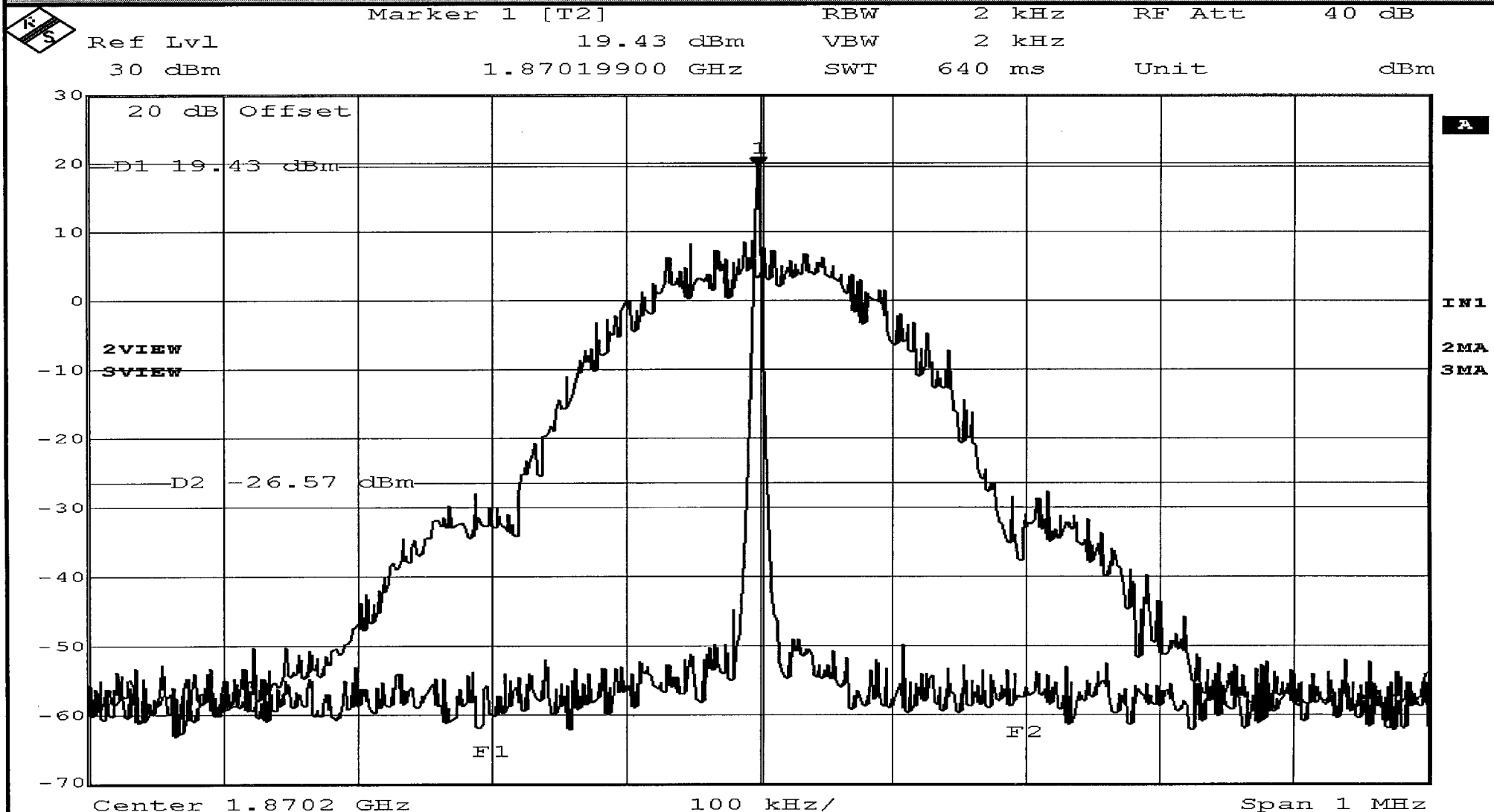
Span 1 MHz

Date: 23.JUN.2003 14:37:50

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: 1870.2 MHz Modulation: GSM Output Signal		
Job No:	R-4132N		Technician:
		T. Firkowski	
Date:	6/24/03		

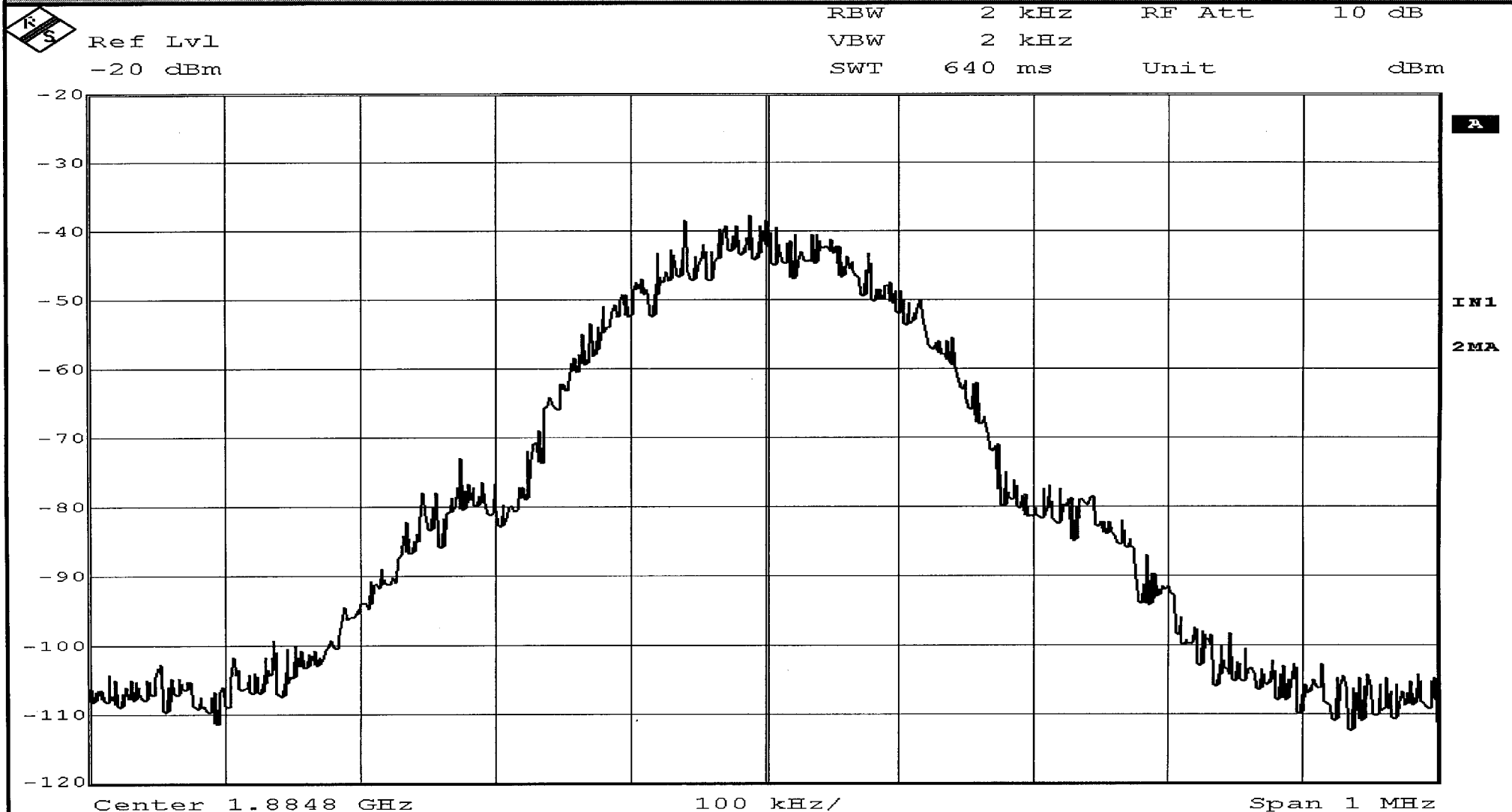


Date: 23.JUN.2003 14:36:16

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: 1884.8 MHz	Modulation: GSM
		Input Signal	

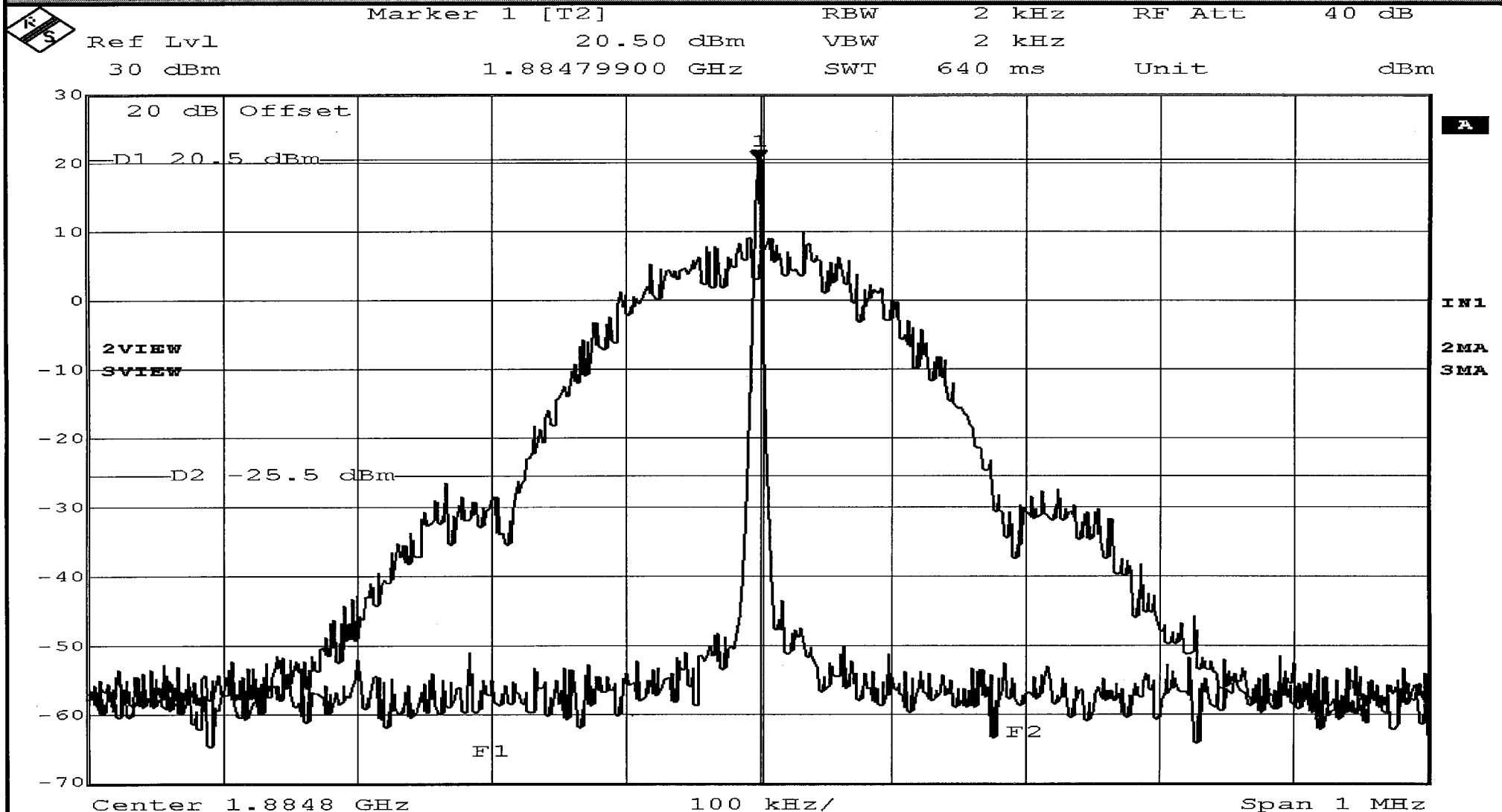


Date: 23.JUN.2003 14:38:43

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: 1884.8 MHz	Modulation: GSM
			Output Signal



Date: 23.JUN.2003 14:40:17

RETLIF TESTING LABORATORIES

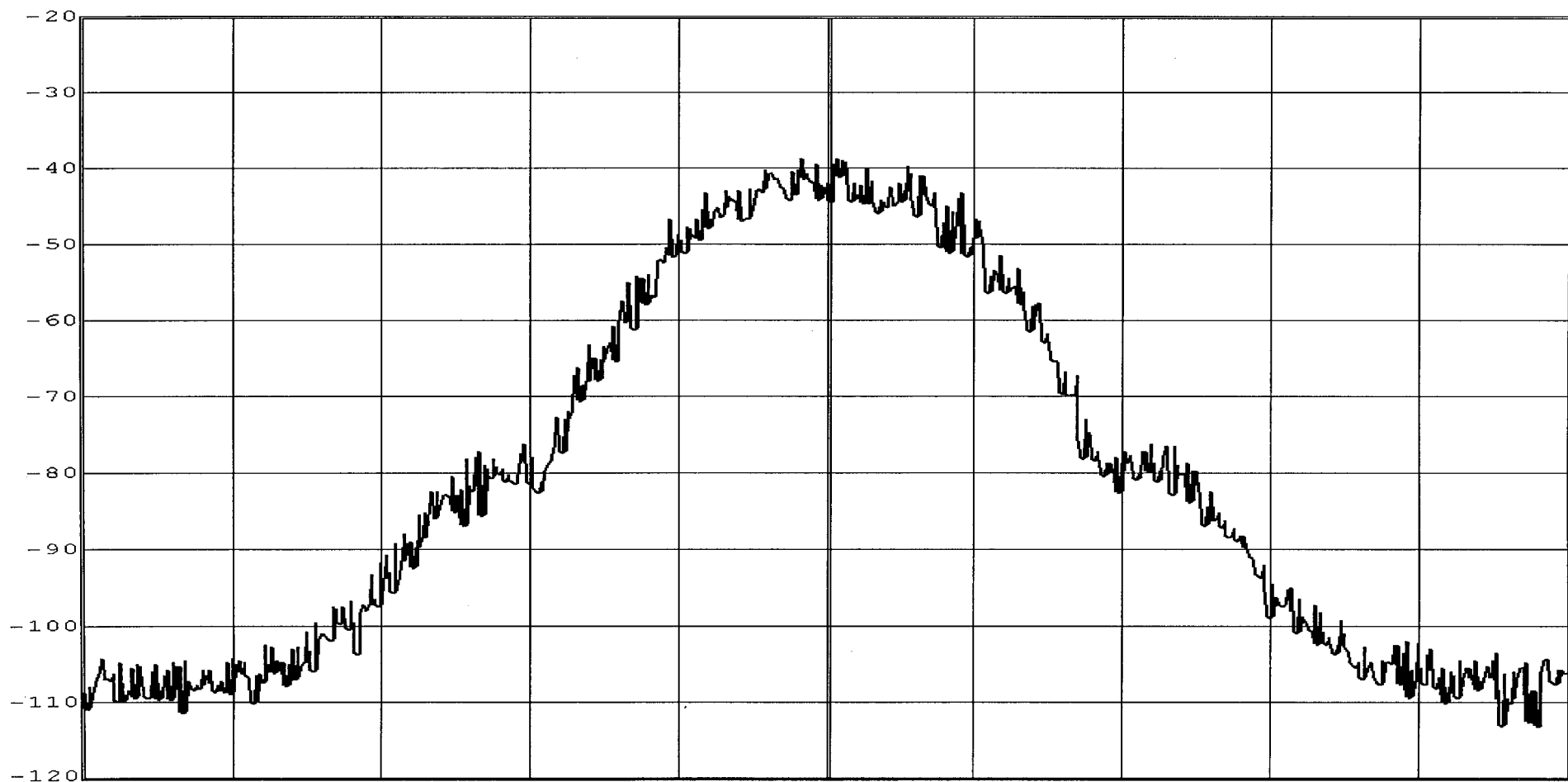
EMISSIONS DATA SHEET

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: 1895.2 MHz	Modulation: GSM
			Input Signal



Ref Lvl
-20 dBm

RBW 2 kHz RF Att 10 dB
VBW 2 kHz
SWT 640 ms Unit dBm



A

IN1

2MA

Center 1.8952 GHz

100 kHz/

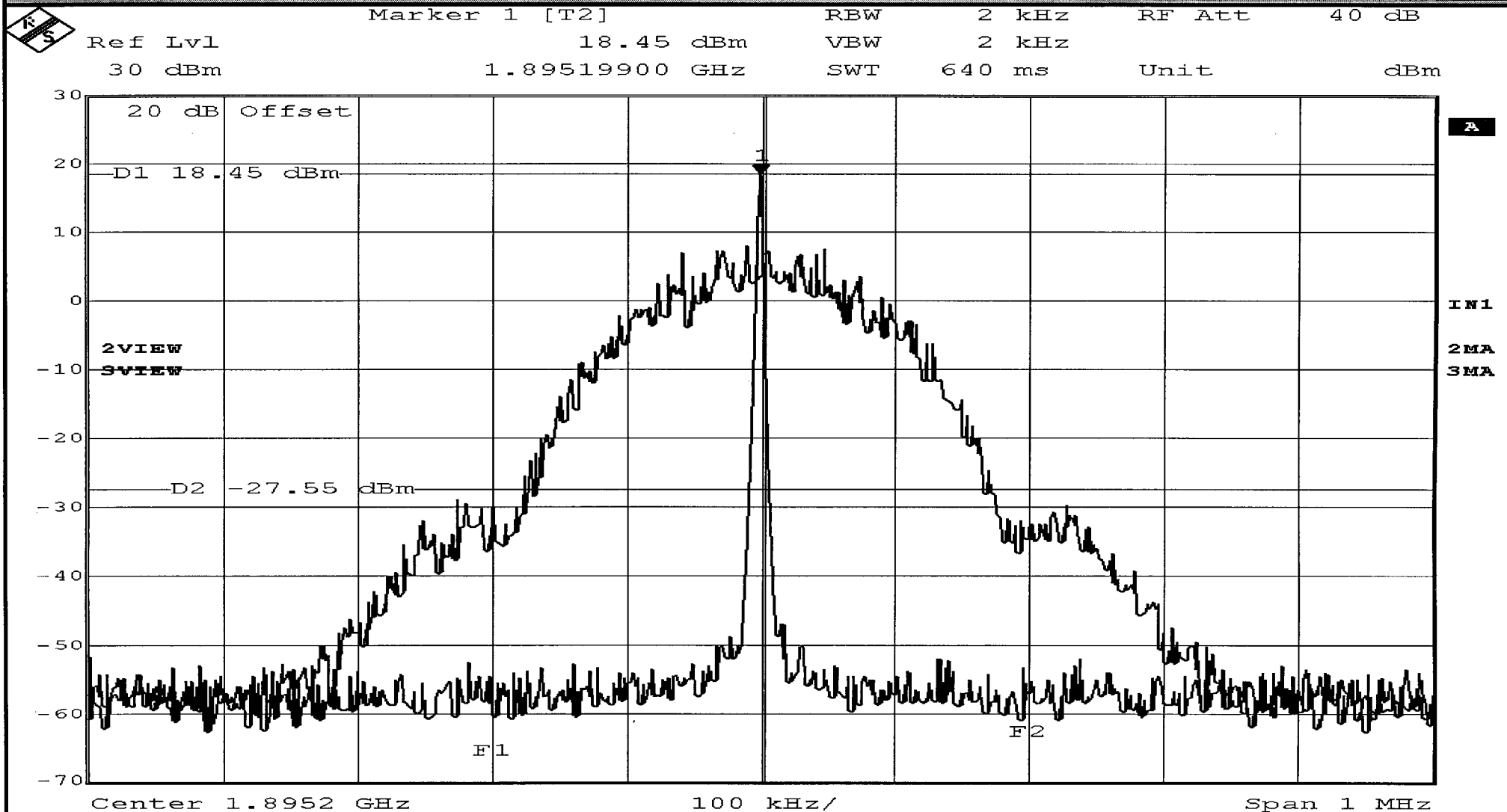
Span 1 MHz

Date: 23.JUN.2003 15:29:36

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 C, 1895-1910 MHz	Frequency: 1895.2 MHz	Modulation: GSM
			Output Signal

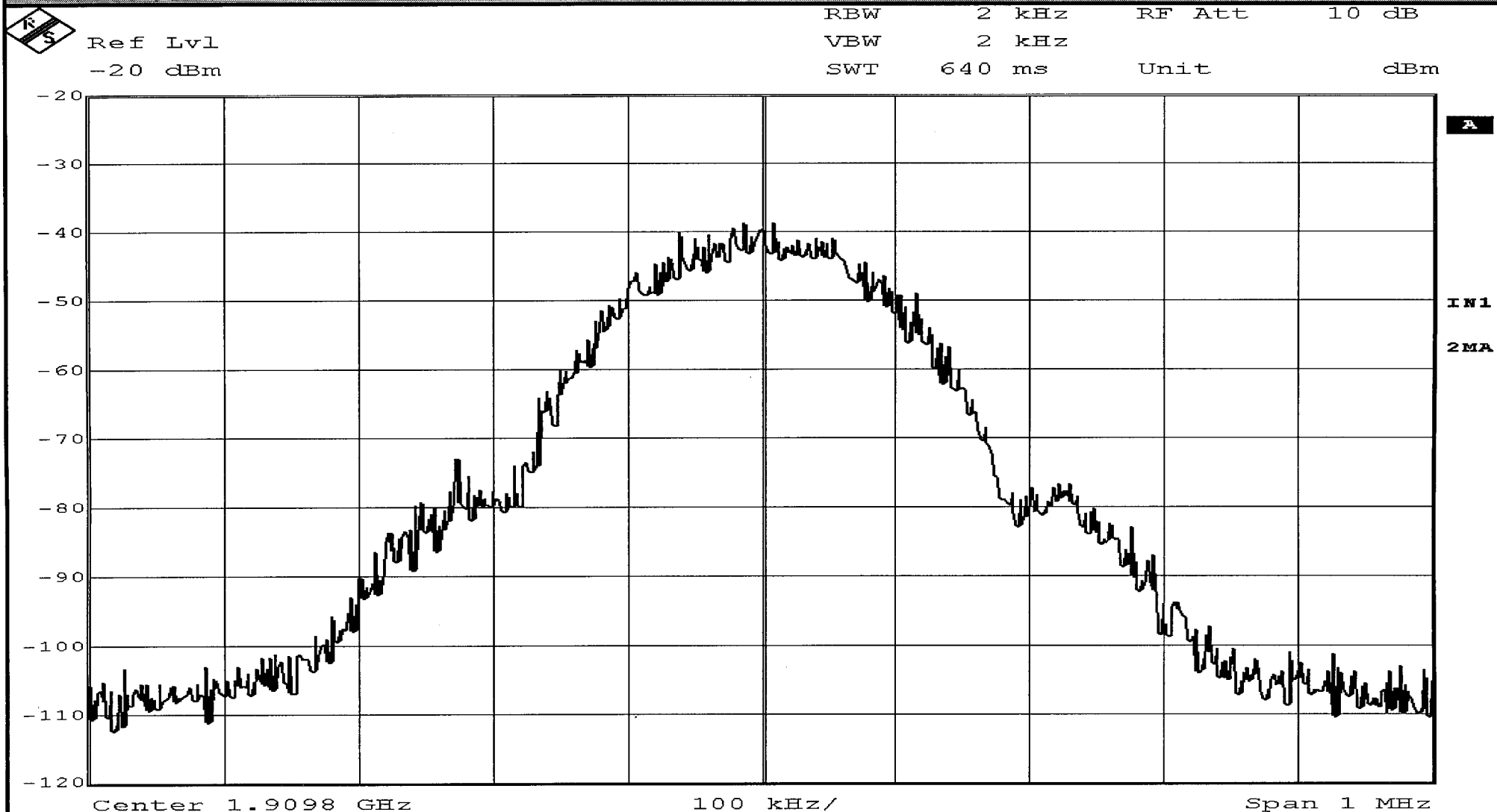


Date: 23.JUN.2003 15:21:39

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: 1909.8 MHz	Modulation: GSM
		Input Signal	

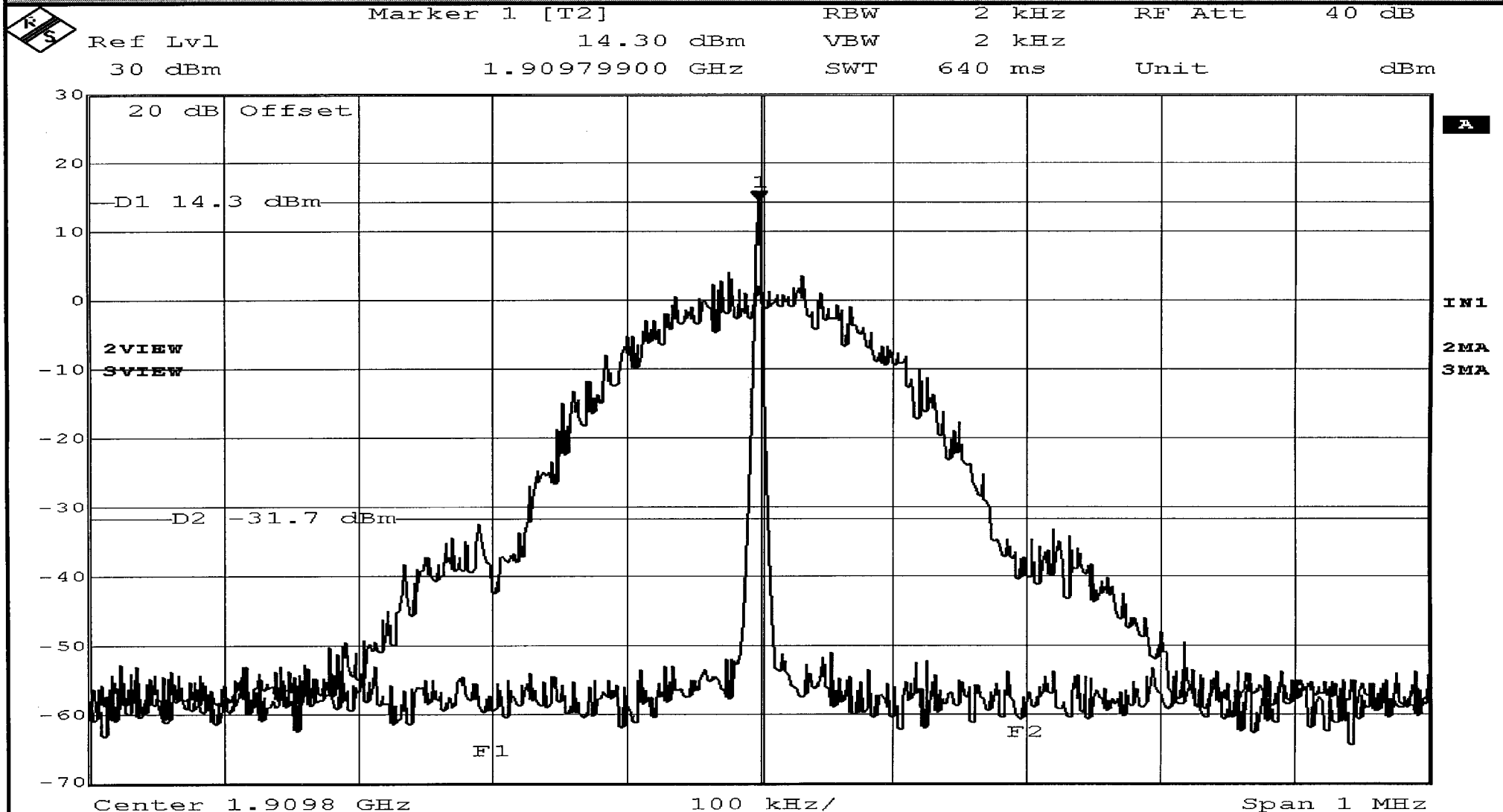


Date: 23.JUN.2003 15:29:11

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: 1909.8 MHz	Modulation: GSM
		Output Signal	
Job No:	R-4132N		
Technician:	T. Firkowski		
Date:	6/24/03		

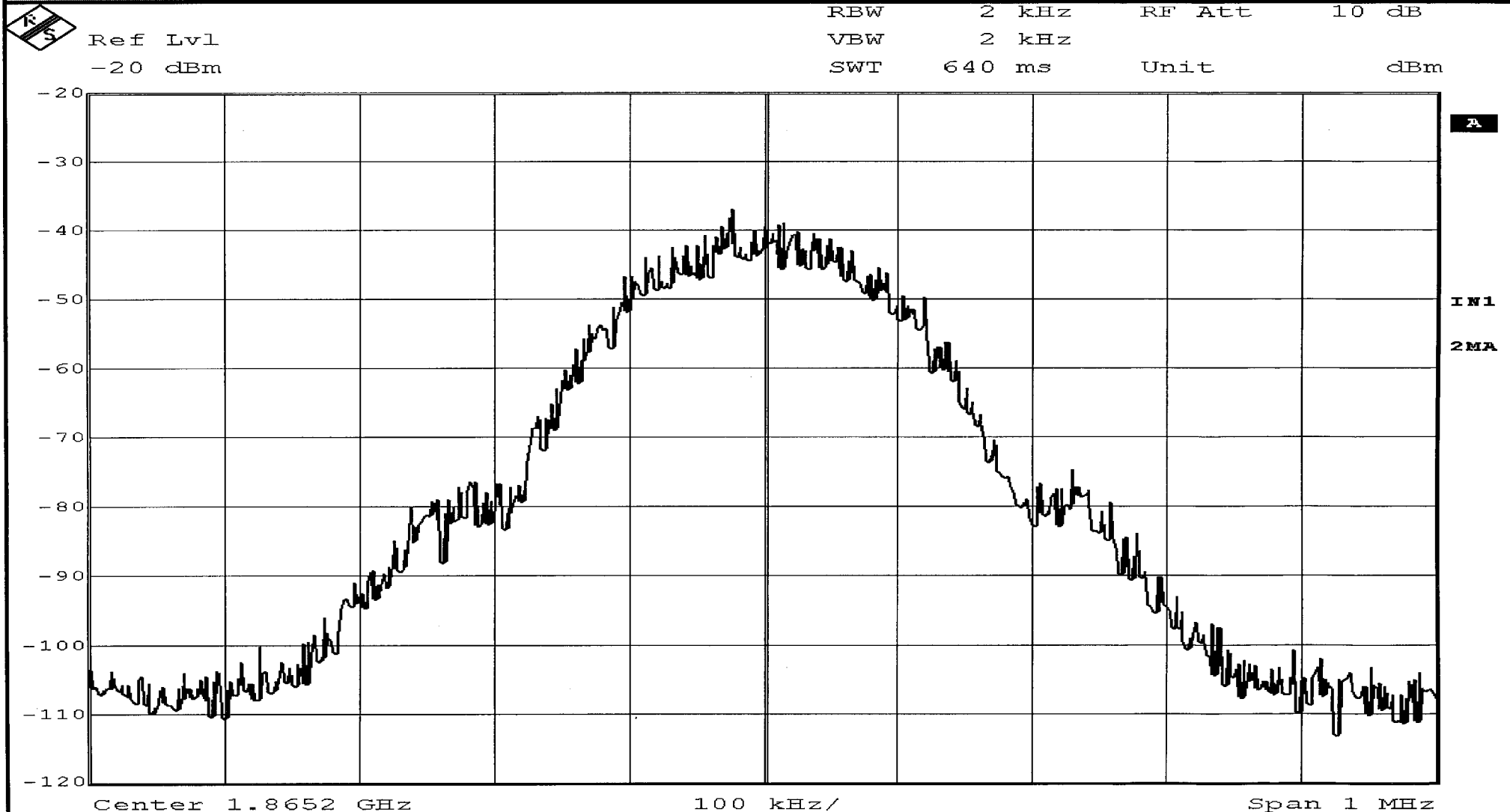


Date: 23.JUN.2003 15:27:05

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: 1865.2 MHz	Modulation: GSM
			Input Signal
		RBW	2 kHz
		VBW	2 kHz
		SWT	640 ms
		RF Att	10 dB
		Unit	dBm

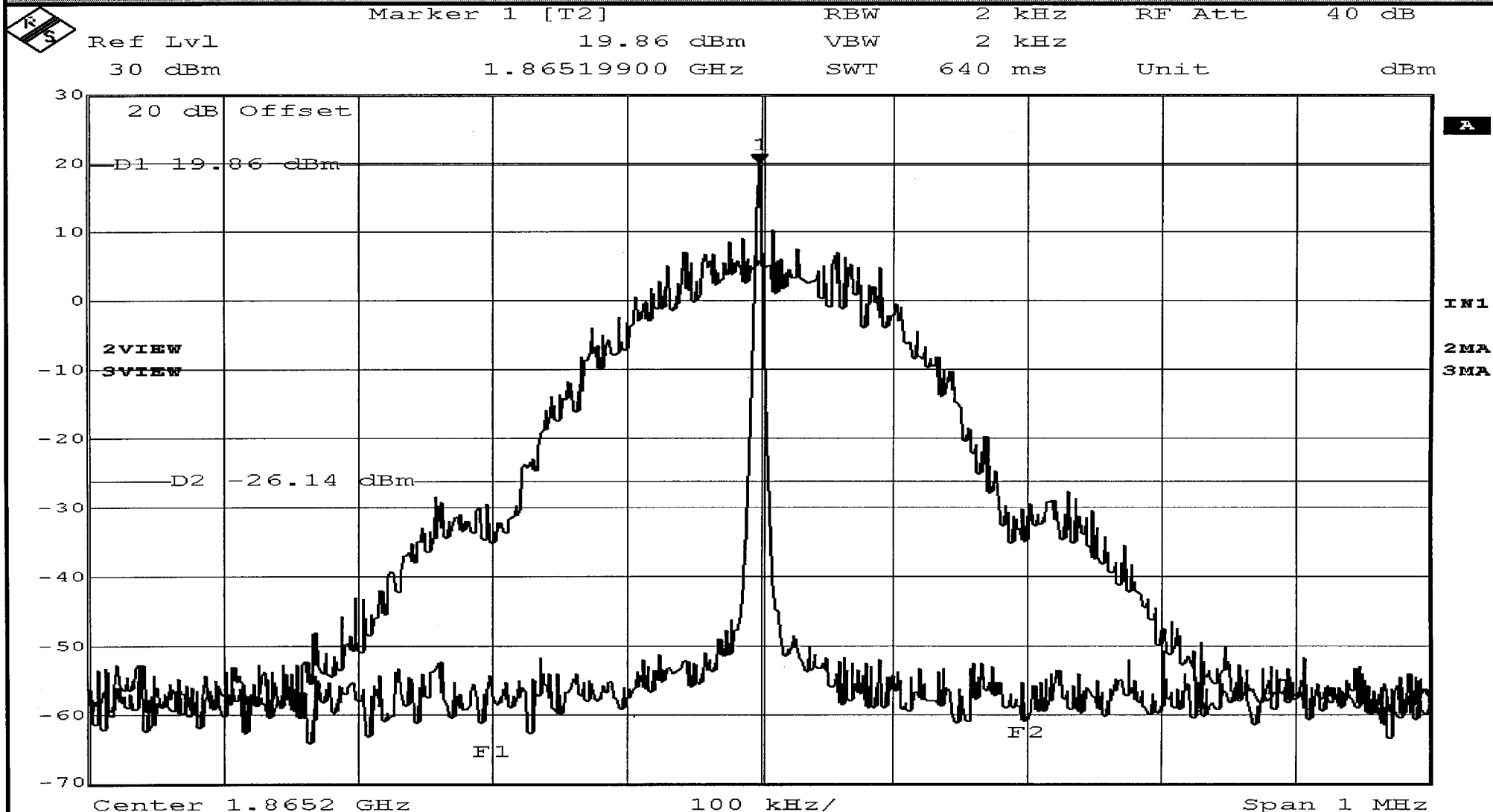


Date: 23.JUN.2003 14:30:02

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 D, 1865-1870 MHz Frequency: 1865.2 MHz Modulation: GSM Output Signal		
Job No:	R-4132N		Technician:
		T. Firkowski	
Date:	6/24/03		



Date: 23.JUN.2003 14:29:03

RETLIF TESTING LABORATORIES

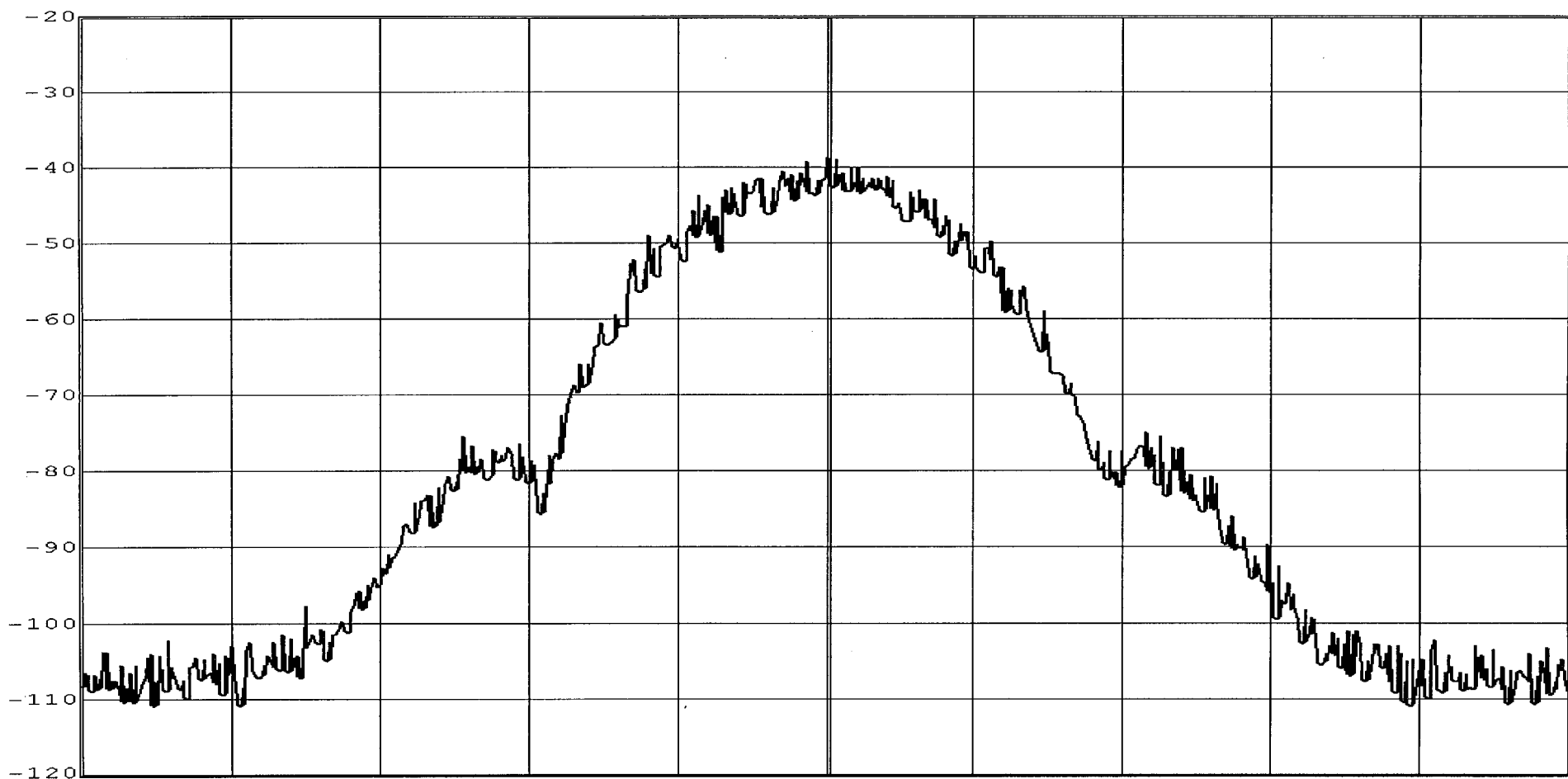
EMISSIONS DATA SHEET

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: 1869.8 MHz	Modulation: GSM
		Input Signal	



Ref Lvl
-20 dBm

RBW 2 kHz RF Att 10 dB
VBW 2 kHz
SWT 640 ms Unit dBm



A

IN1
2MA

Center 1.8698 GHz

100 kHz/

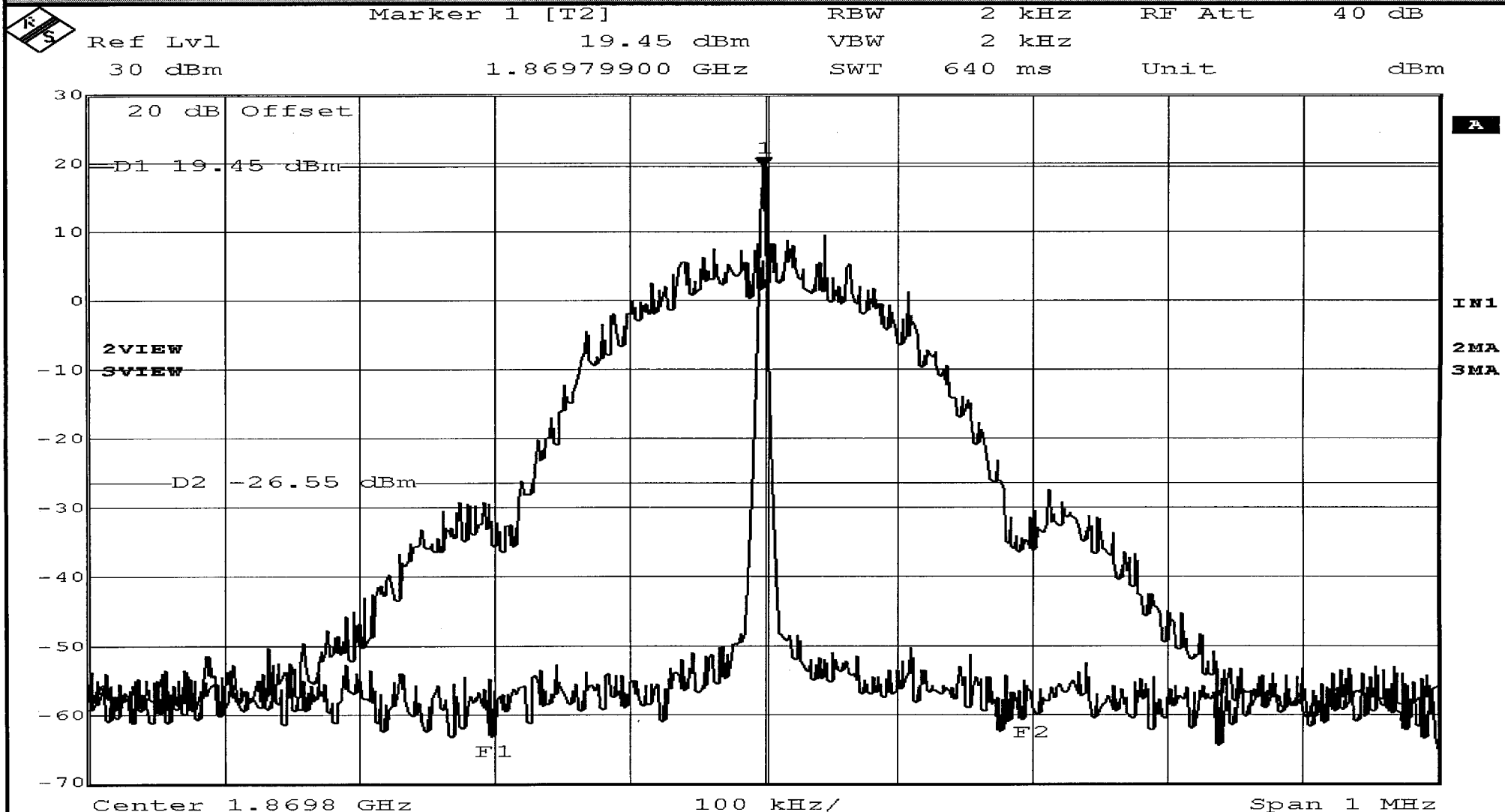
Span 1 MHz

Date: 23.JUN.2003 14:31:24

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 D, 1865-1870 MHz Frequency: 1865.2 MHz Modulation: GSM Output Signal		
Job No:	R-4132N		Technician:
		T. Firkowski	
Date:	6/24/03		

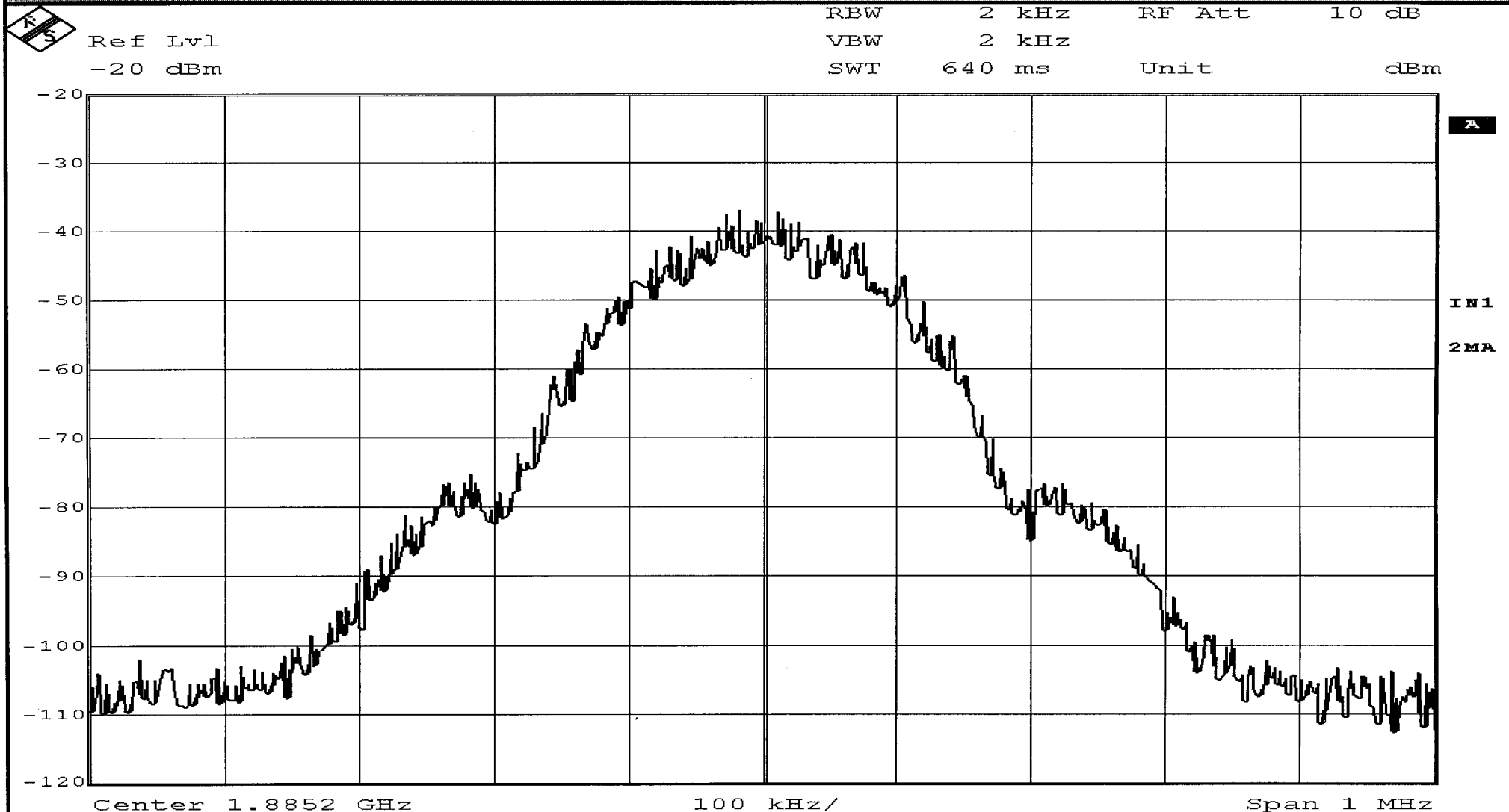


Date: 23.JUN.2003 14:33:57

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: 1885.2 MHz	Modulation: GSM
			Input Signal

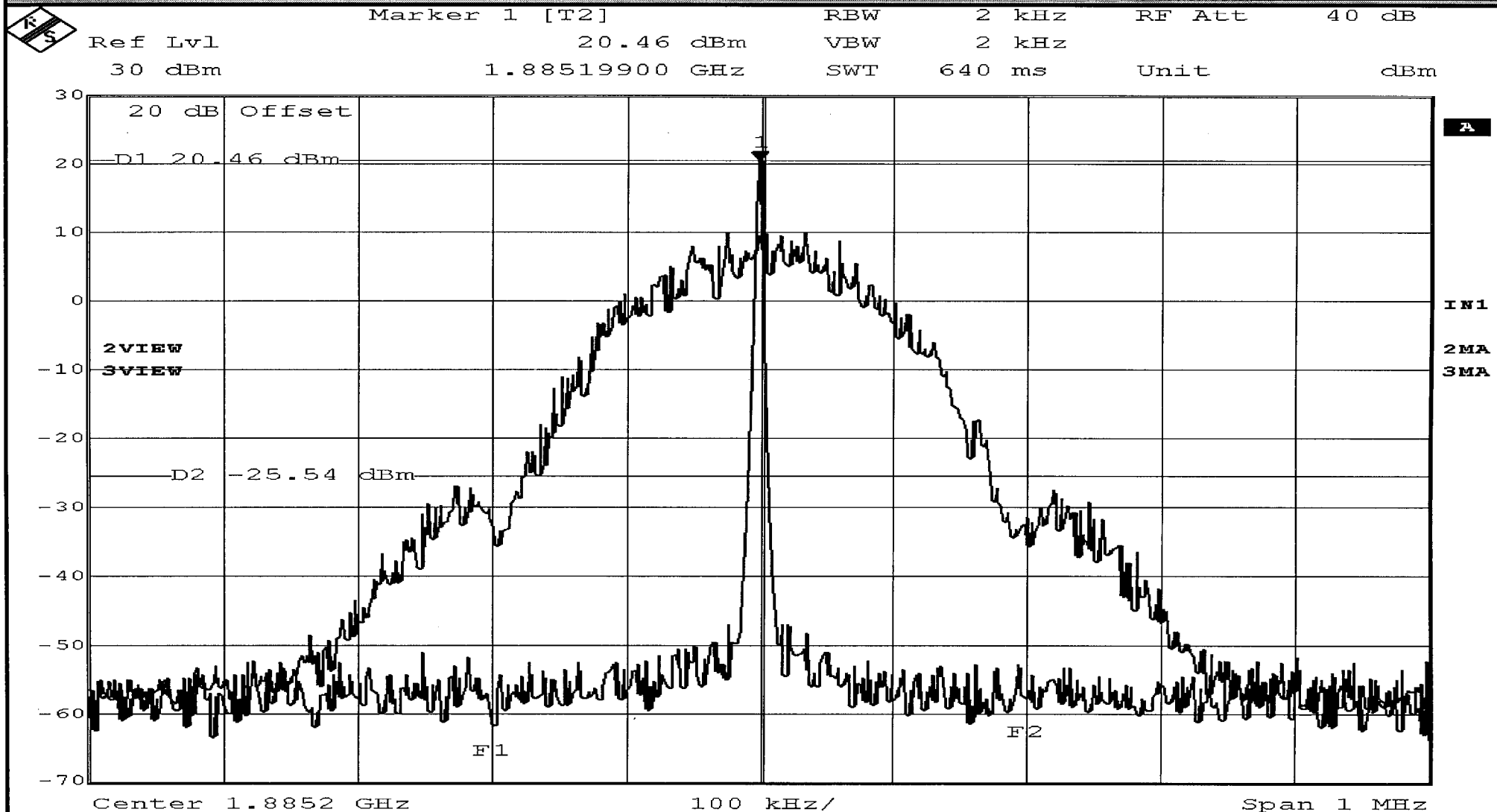


Date: 23.JUN.2003 15:10:32

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: 1885.2 MHz	Modulation: GSM
			Output Signal
			Date: 6/24/03
			Technician: T. Firkowski
			Job No: R-4132N

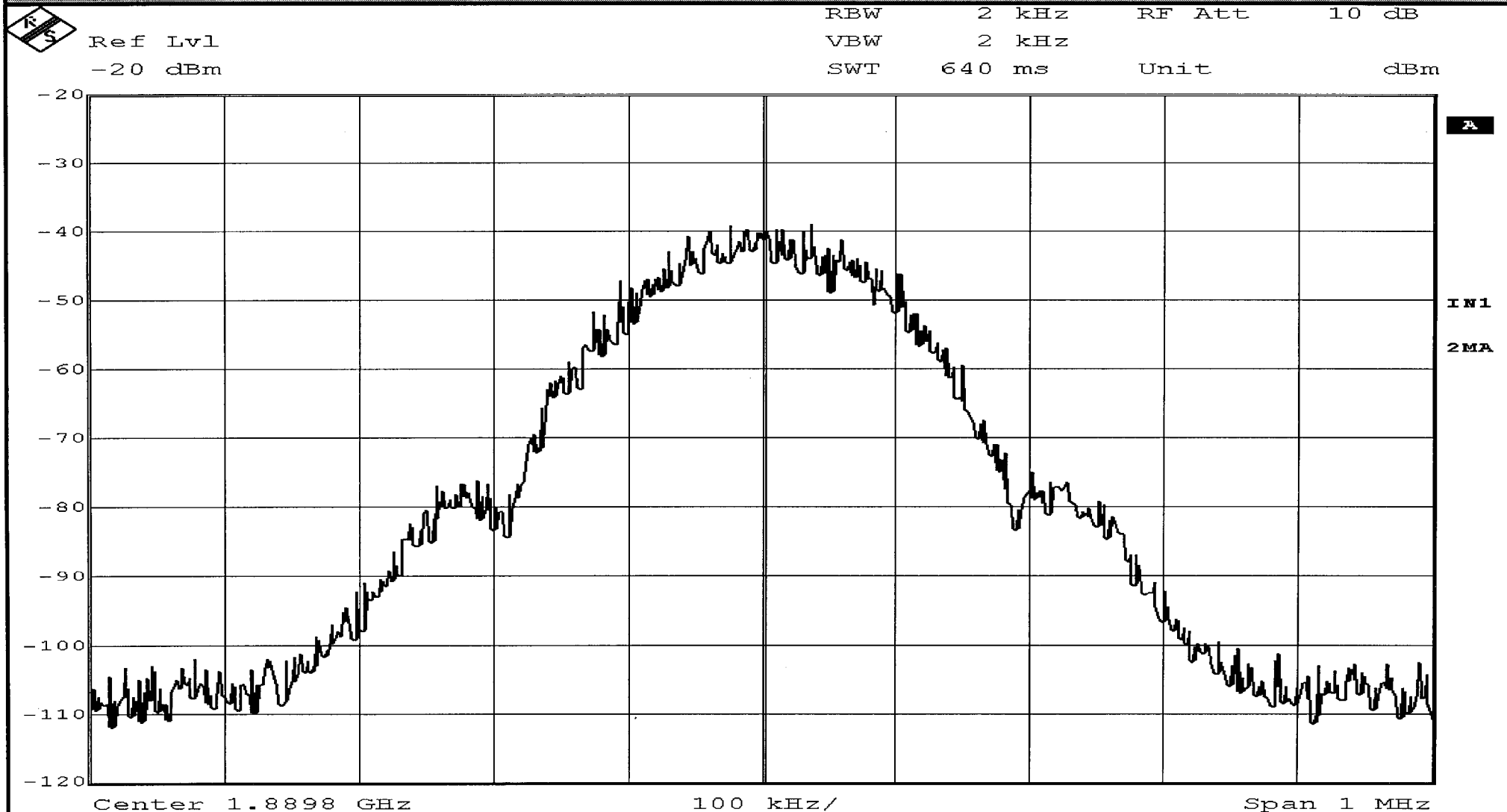


Date: 23.JUN.2003 15:09:33

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: 1889.8 MHz	Modulation: GSM
		Input Signal	

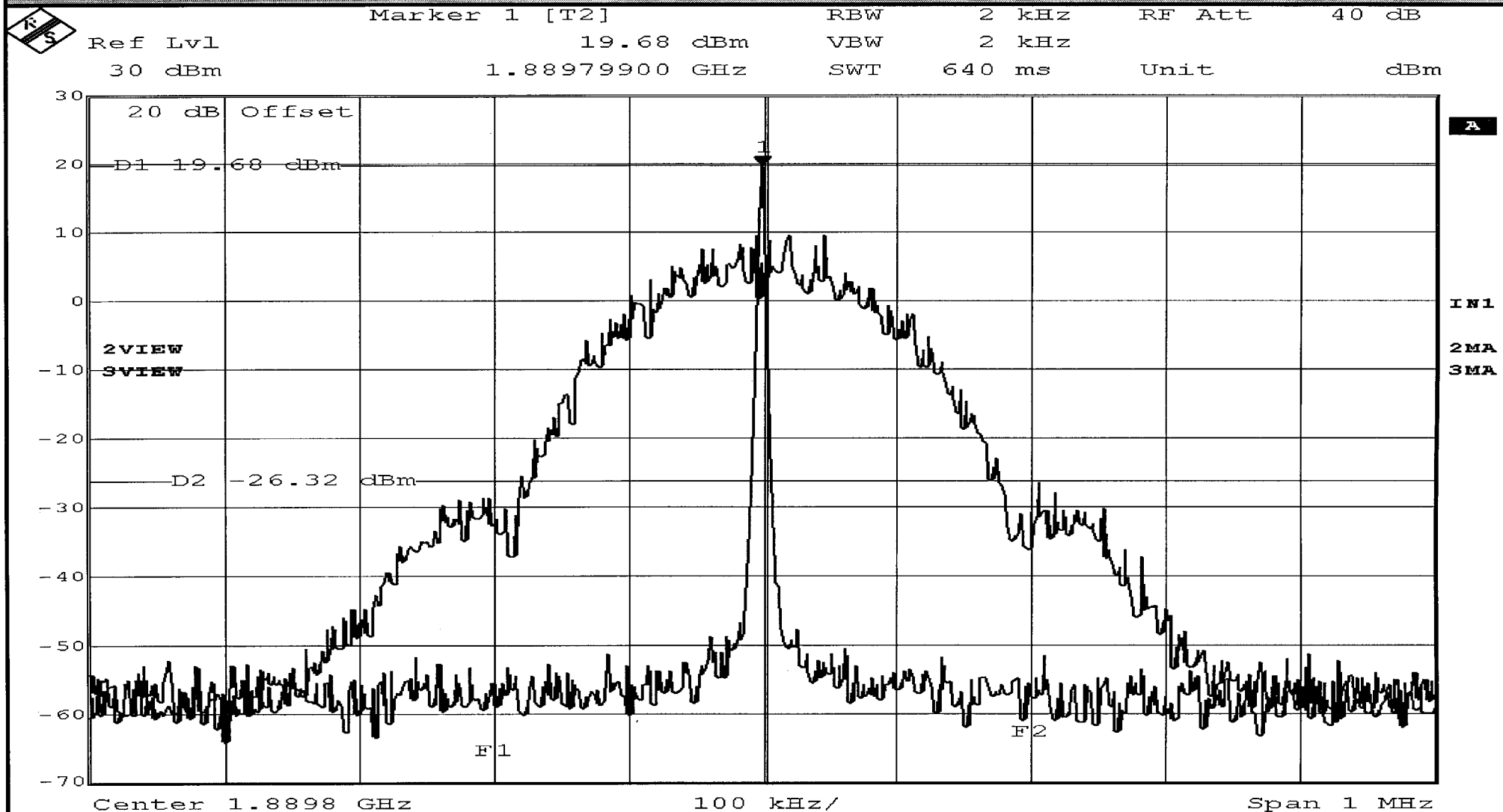


Date: 23.JUN.2003 15:11:14

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: 1889.8 MHz	Modulation: GSM
			Output Signal
			Date: 6/24/03
			Technician: T. Firkowski
			Job No: R-4132N



Date: 23.JUN.2003 15:12:48

RETLIF TESTING LABORATORIES

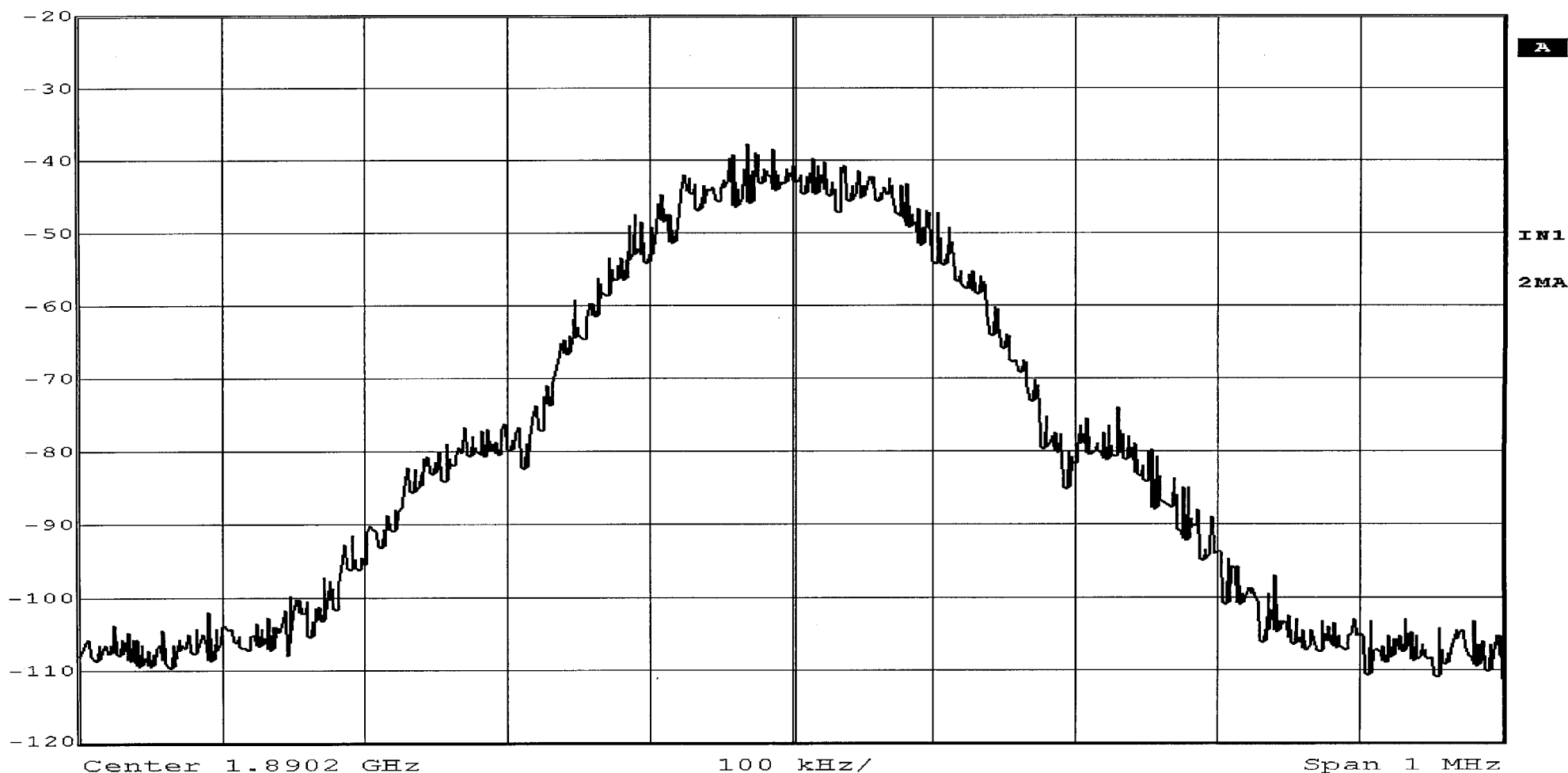
EMISSIONS DATA SHEET

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 F, 1890-1895 MHz Frequency: 1890.2 MHz Modulation: GSM Input Signal		
		Job No:	R-4132N
		Technician:	T. Firkowski
		Date:	6/24/03



Ref Lvl
-20 dBm

RBW 2 kHz RF Att 10 dB
VBW 2 kHz
SWT 640 ms Unit dBm

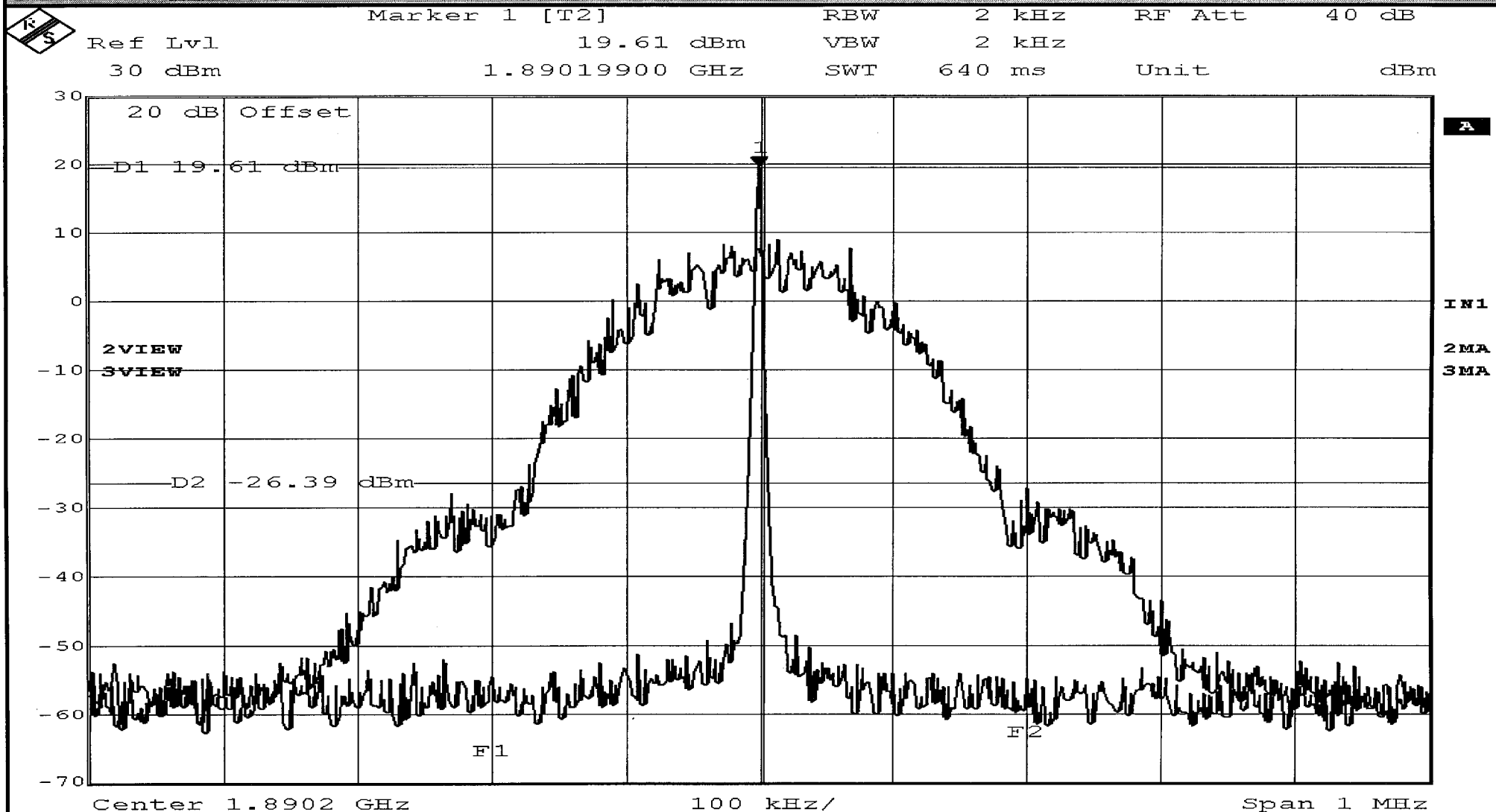


Date: 23.JUN.2003 15:16:12

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: 1890.2 MHz	Modulation: GSM
			Output Signal

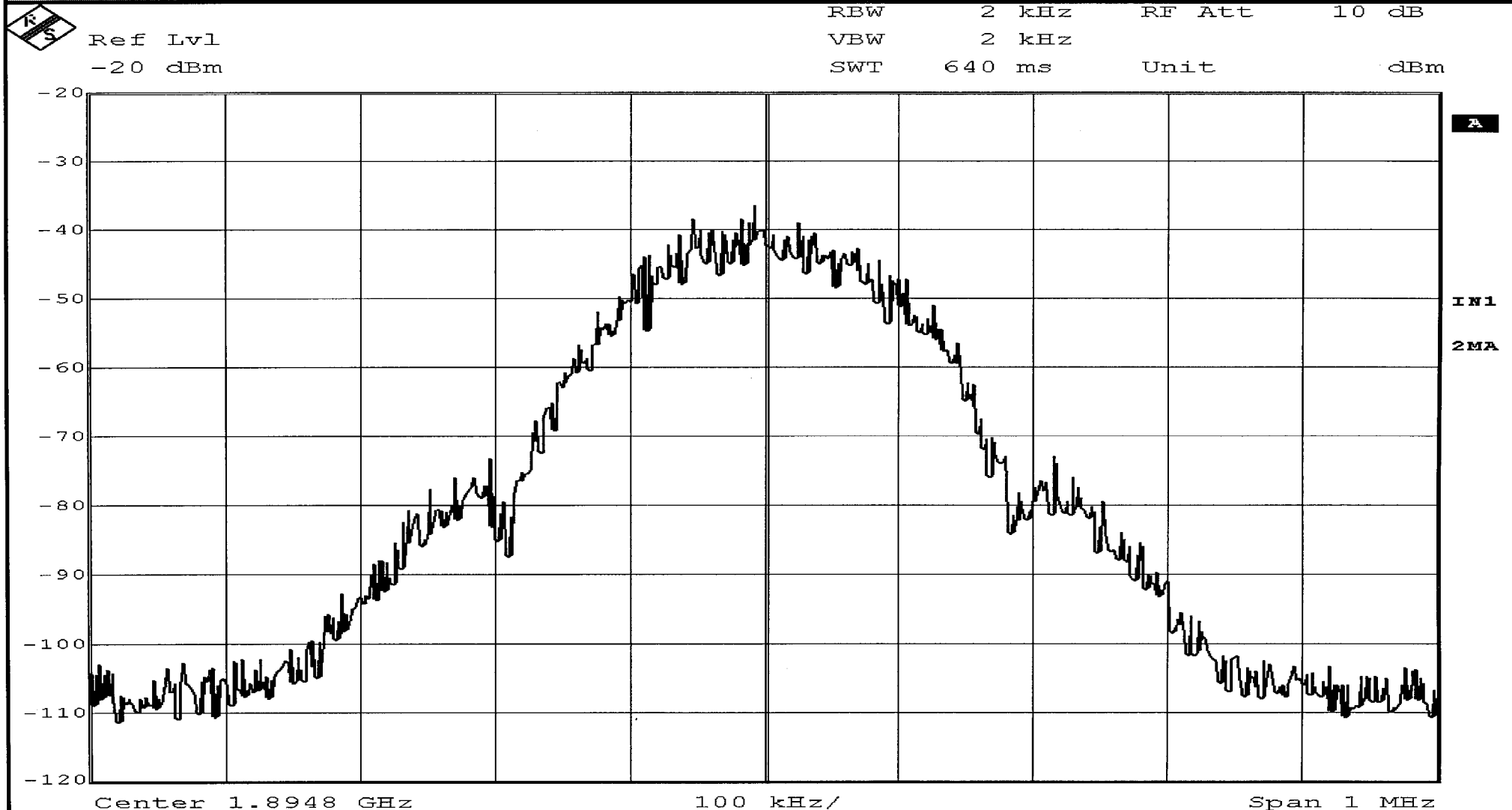


Date: 23.JUN.2003 15:15:13

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: 1894.8 MHz	Modulation: GSM
			Input Signal

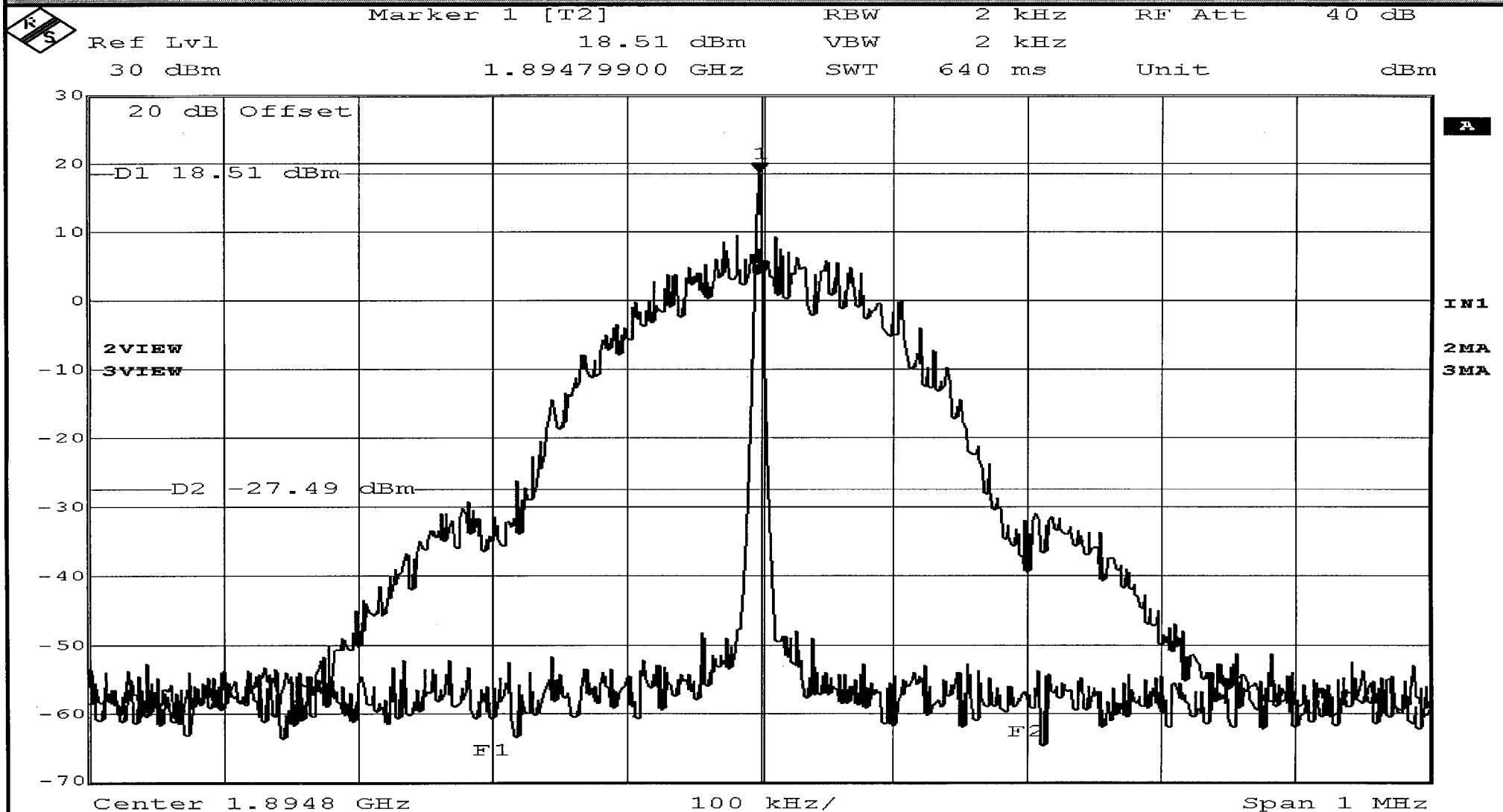


Date: 23.JUN.2003 15:17:34

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: 1890.2 MHz	Modulation: GSM
			Output Signal



Date: 23.JUN.2003 15:19:04