

SUPPLEMENTARY TEST REPORT FROM RADIO FREQUENCY INVESTIGATION LTD.

Test Of: Ericsson AB.
RBS 2308

To: FCC Part 22: 2001

Supplementary Test Report Serial No
RFI/MPTB1/SUP44227JD01A

This Test Report Is Issued Under The Authority Of Richard Jacklin, Operations Director: 	Checked By: 
Tested By:  pp	Release Version No: PDF01
Issue Date: 15 January 2002	

This supplementary report is issued as an addendum to RFI Test Report Serial No: RFI/MPTB1/RP44227JD01A. It has been issued to include additional information requested by the FCC.

This report is issued in Adobe Acrobat portable document format (PDF). It is only a valid copy of the report if it is being viewed in PDF format with the following security options not allowed: Changing the document, Selecting text and graphics, Adding or changing notes and form fields. Furthermore, the date of creation must match the issue date stated above.

This report may be copied in full.

The results in this report apply only to the sample(s) tested.

RADIO FREQUENCY INVESTIGATION LTD.

Conformance Testing Department

Test Of: Ericsson AB.

RBS 2308

To: FCC Part 22: 2001

TEST REPORT

S.No: RFI/MPTB1/SUP44227JD01A

Page 2 of 22

Issue Date: 15 January 2002

This page has been left intentionally blank.

Test Of: Ericsson AB.

RBS 2308

To: FCC Part 22: 2001

Table of Contents

1. Client Information.....	4
2. Equipment Under Test (EUT)	5
Appendix 1. Graphical Test Results	10

1. Client Information

Company Name:	Ericsson AB
Address:	Torshamnsgatan 21-23 S-164 80 Kista Sweden
Contact Name:	Mr Larry Lindstrom

Test Of: Ericsson AB.

RBS 2308

To: FCC Part 22: 2001

2. Equipment Under Test (EUT)

The following information has been supplied by the client:

2.1. Identification Of Equipment Under Test (EUT)

Unit	Model Number	Serial Number	Revision Number
RBS 2308 Cabinet	KRC 161 84/7	AE5000PZT6	R2B

Note The above unit was tested for all conducted measurements at Mölndal.

Unit	Model Number	Serial Number	Revision Number
RBS 2308 Cabinet	KRC 161 84/7	AE5000PT4P	R2B

Note The above unit was tested for radiated spurious emissions at Basingstoke.

Test Of: Ericsson AB.**RBS 2308****To: FCC Part 22: 2001**

2.2. Description Of EUT

The EUT is an RBS 2308 GMSK/8PSK base transceiver station operating in the GSM 850 MHz Band.

2.3. Modifications Incorporated In EUT

The EUT has not been modified from what is described by the Model Number stated above.

2.4. Additional Information Related To Testing

Type of Unit:	GSM 850 Base Transceiver Station
Interface Ports:	Telecommunication line – E1 or T1 PCM x2 (G703) TIB – synchronisation interface Mains 115 V AC Input DVT – RBS Master Control RF x2 RXBP x2
Transmit Frequency	869 MHz to 894 MHz
Receive Frequency	824 MHz to 849 MHz
Maximum Power Output	34 dBm

Test Of: Ericsson AB.

RBS 2308

To: FCC Part 22: 2001

2.5. Support Equipment

The following support equipment was used to exercise the EUT during testing at Mölndal:

Description:	BSC Simulator
Brand Name:	RBS Master 2
Model Name or Number:	LPY 107 1007/1 R1F
Serial Number:	00163
FCC ID Number:	Not applicable
Cable Length And Type:	3 m, 9 pin, D Type
Connected to Port:	G703-1 ABIS
Cable Length And Type:	3 m, 9 pin, D Type, Shielded
Connected to Port:	G.703-2 ABIS
Cable Length And Type:	3 m, 9 pin, D type
Connected to Port:	RBS DVT
Cable Length And Type:	2 m, BNC
Connected to Port:	Ext Ref In
Cable Length And Type:	2 m, BNC
Connected to Port:	TRIG Out
Cable Length And Type:	2 m, BNC
Connected to Port:	10 MHz Out
Cable Length And Type:	1.5m, 9 Way, D Type
Connected to Port:	PC DVT
Cable Length And Type:	1.5m, 9 Way, D Type
Connected to Port:	PC Ctrl
Cable Length And Type:	2m, Mains Cable
Connected to Port:	AC Mains In
Cable Length And Type:	3 m, 34 Way Ribbon Cable
Connected to Port:	TIB In/Out

Test Of: Ericsson AB.

RBS 2308

To: FCC Part 22: 2001

Support Equipment (Continued)

Description:	Computer
Brand Name:	Propac
Model Name or Number:	18-0100 Type 18
Serial Number:	38
FCC ID Number:	Not applicable
Cable Length And Type:	1.5 m, 9 Pin D Type
Connected to Port:	PC DVT
Cable Length And Type:	1.5 m, 9 Pin D Type
Connected to Port:	PC Ctrl
Cable Length And Type:	2 m, Mains Cable
Connected to Port:	AC Input
Cable Length And Type:	0.3 m, GPIB
Connected to Port:	IEEE Bus
Cable Length And Type:	4 m, 8 Core
Connected to Port:	Network
Cable Length And Type:	10 m, 7 Way
Connected to Port:	Mouse
Cable Length And Type:	10 m, 7 Way
Connected to Port:	Keyboard

Test Of: Ericsson AB.**RBS 2308****To: FCC Part 22: 2001**

RBS 2308 (115 V, 60 Hz AC) Hardware List

Unit	Model Number	Serial Number	Revision Number
Filter Unit RRU MBU-01	ROA 117 4776/1	S951926013	R2A
IXU21	BOE 602 15/2	AE5000PKGE	R1A
Mounting Base	None stated	None stated	None stated
Heater	BPC 111 25/1	X031000222	R3A
PSU	BML 151 23/1	X701000096	R2A
Digital Radio Board DRB1 PCB	ROA 117 4767/2	AE5000PBVP	R1B/C
Radio Access Board 1 PCB	ROA 117 4853/1	AE5000P2V9	R1B/B
Digital Radio Board DRB2 PCB	ROA 117 4767/2	AE5000PBVR	R1B/C
Radio Access Board 2 PCB	ROA 117 4853/1	AE5000P2VJ	R1B/B
Y Interface Board	ROA 117 4799/3	S951971924	R1B/B
Radio Interface Board	ROA 117 4831/1	S951952684	R1B
Duplex Filter Unit 1	KRF 102 249/1	TF30000076	R1A
Duplex Filter Unit 2	KRF 102 249/1	TF30000037	R1A
Power Interface Board	ROA 117 4775/1	S951951659	R1B

Test Of: Ericsson AB.

RBS 2308

To: FCC Part 22: 2001

Appendix 1. Graphical Test Results

This appendix contains the following graphs:

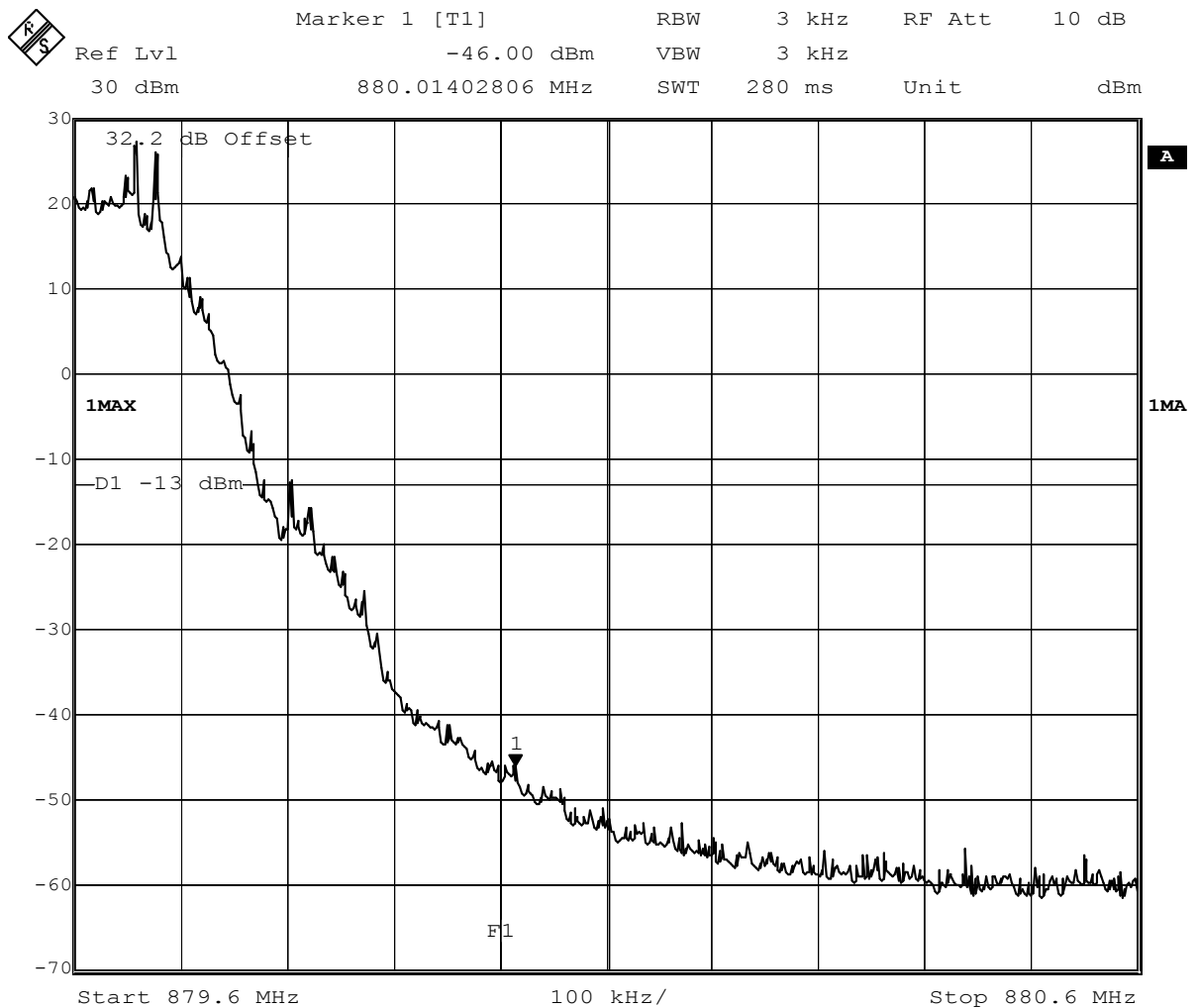
Graph Reference Number	Title
GPH\44227JD01\001a	TX0_CH180_OBW_BlockEdge34dBm_8PSK
GPH\44227JD01\002a	TX0_CH180_OBW_BlockEdge34dBm_GMSK
GPH\44227JD01\003a	TX0_CH184_OBW_BlockEdge34dBm_8PSK
GPH\44227JD01\004a	TX0_CH184_OBW_BlockEdge34dBm_GMSK
GPH\44227JD01\005a	TX0_CH230_OBW_BlockEdge34dBm_8PSK
GPH\44227JD01\006a	TX0_CH230_OBW_BlockEdge34dBm_GMSK
GPH\44227JD01\007a	TX0_CH234_OBW_BlockEdge34dBm_8PSK
GPH\44227JD01\008a	TX0_CH234_OBW_BlockEdge34dBm_GMSK
GPH\44227JD01\009a	TX0_CH238_OBW_BlockEdge34dBm_8PSK
GPH\44227JD01\010a	TX0_CH238_OBW_BlockEdge34dBm_GMSK
GPH\44227JD01\011a	TX0_CH241_OBW_BlockEdge34dBm_8PSK
GPH\44227JD01\012a	TX0_CH241_OBW_BlockEdge34dBm_GMSK

Test Of: Ericsson AB.

RBS 2308

To: FCC Part 22: 2001

GPH\44227JD01\001a
TX0 CH180 OBW BlockEdge34dBm 8PSK



Title: Testing for Ericsson AB. RBS 2308. FCC Part 22.917

Comment A: Ch180 OBW Block Edge. 34dBm Output Power. 8PSK Mode. TX0

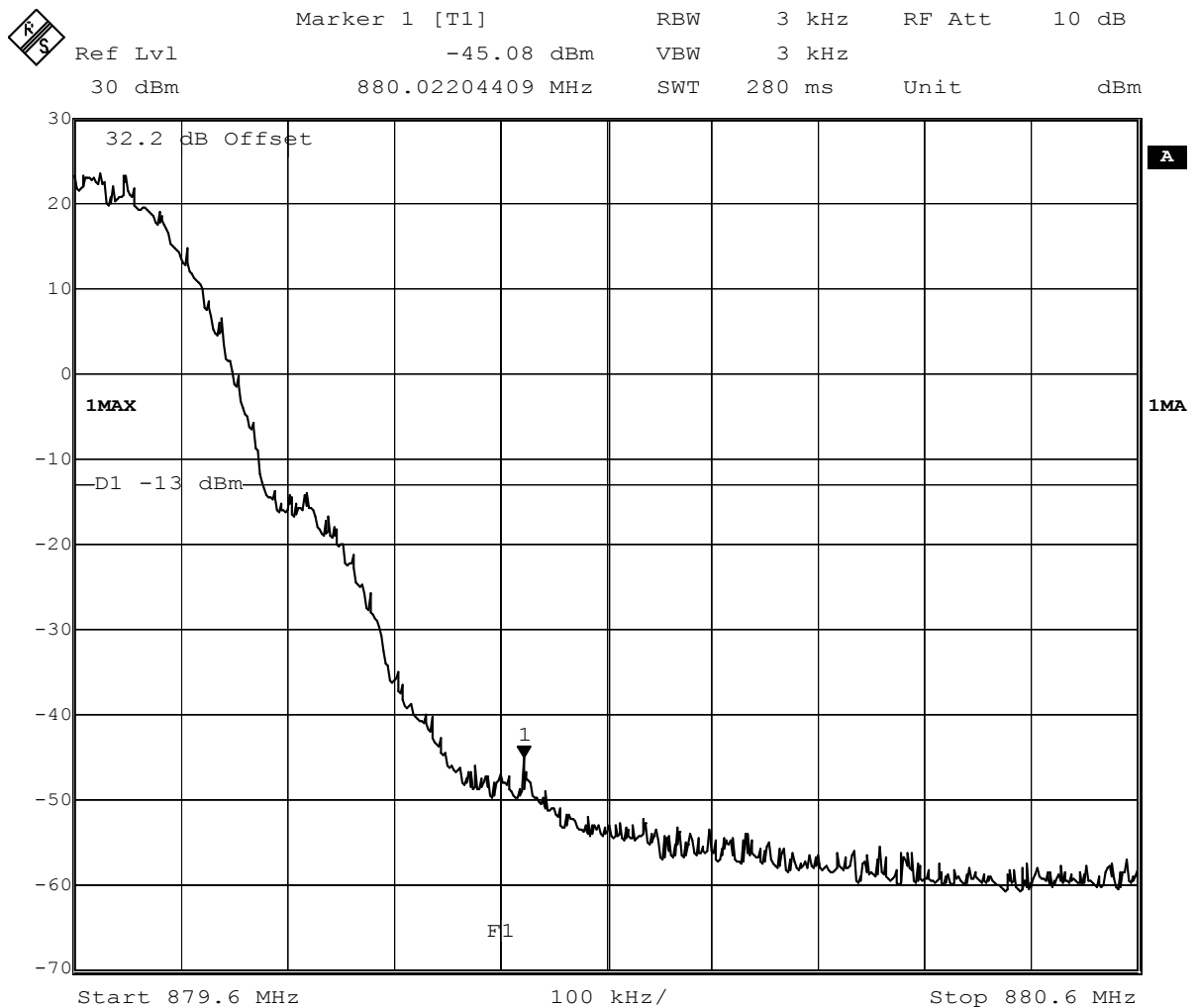
Date: 13.JAN.2003 17:32:07

Test Of: Ericsson AB.

RBS 2308

To: FCC Part 22: 2001

GPH\44227JD01\002a
TX0 CH180 OBW BlockEdge34dBm GMSK



Title: Testing for Ericsson AB. RBS 2308. FCC Part 22.917

Comment A: Ch180 OBW Block Edge. 34dBm Output Power. GMSK Mode. TX0

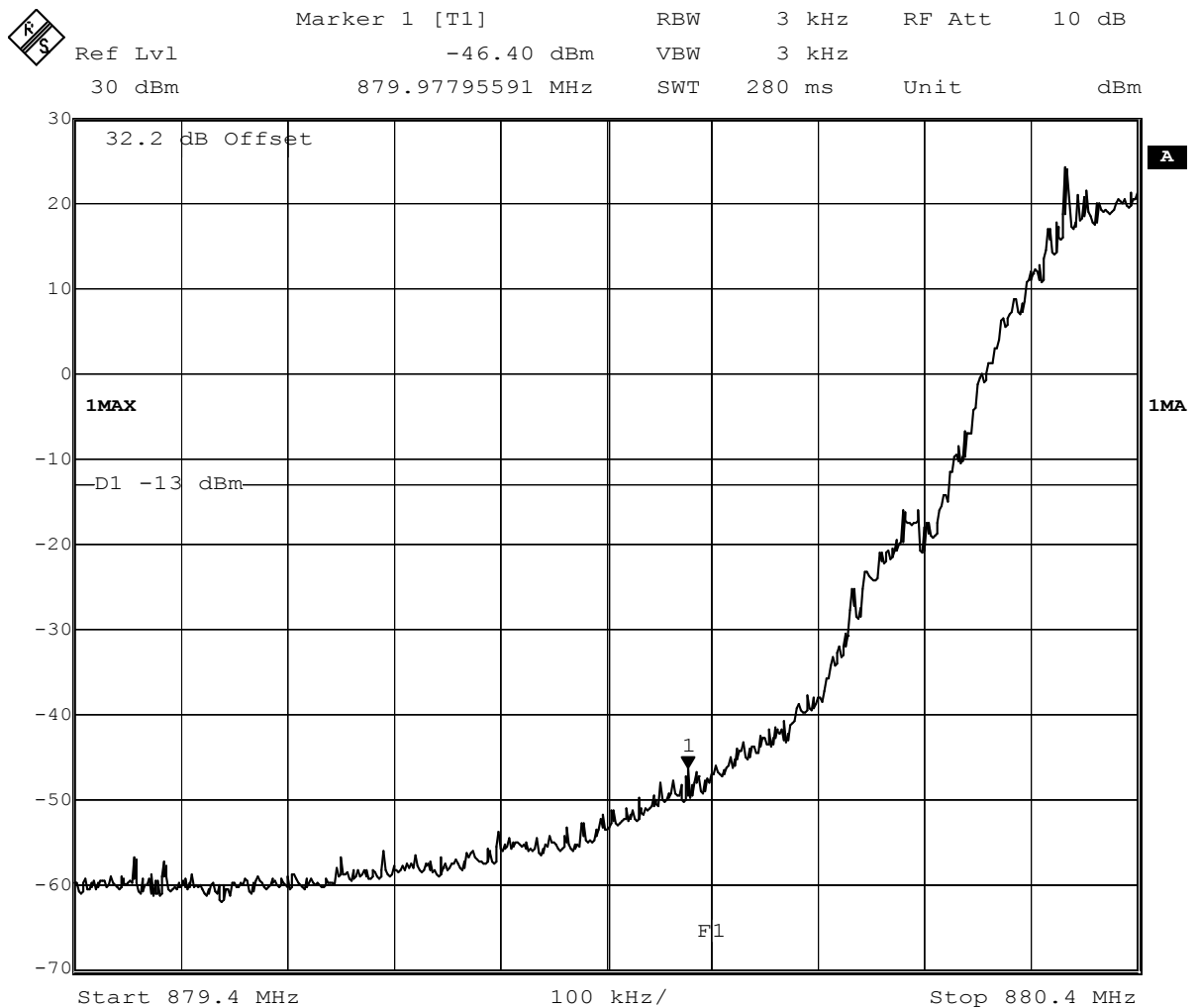
Date: 13.JAN.2003 18:15:02

Test Of: Ericsson AB.

RBS 2308

To: FCC Part 22: 2001

GPH\44227JD01\003a
TX0 CH184 OBW BlockEdge34dBm 8PSK



Title: Testing for Ericsson AB. RBS 2308. FCC Part 22.917

Comment A: Ch184 OBW Block Edge. 34dBm Output Power. 8PSK Mode. TX0

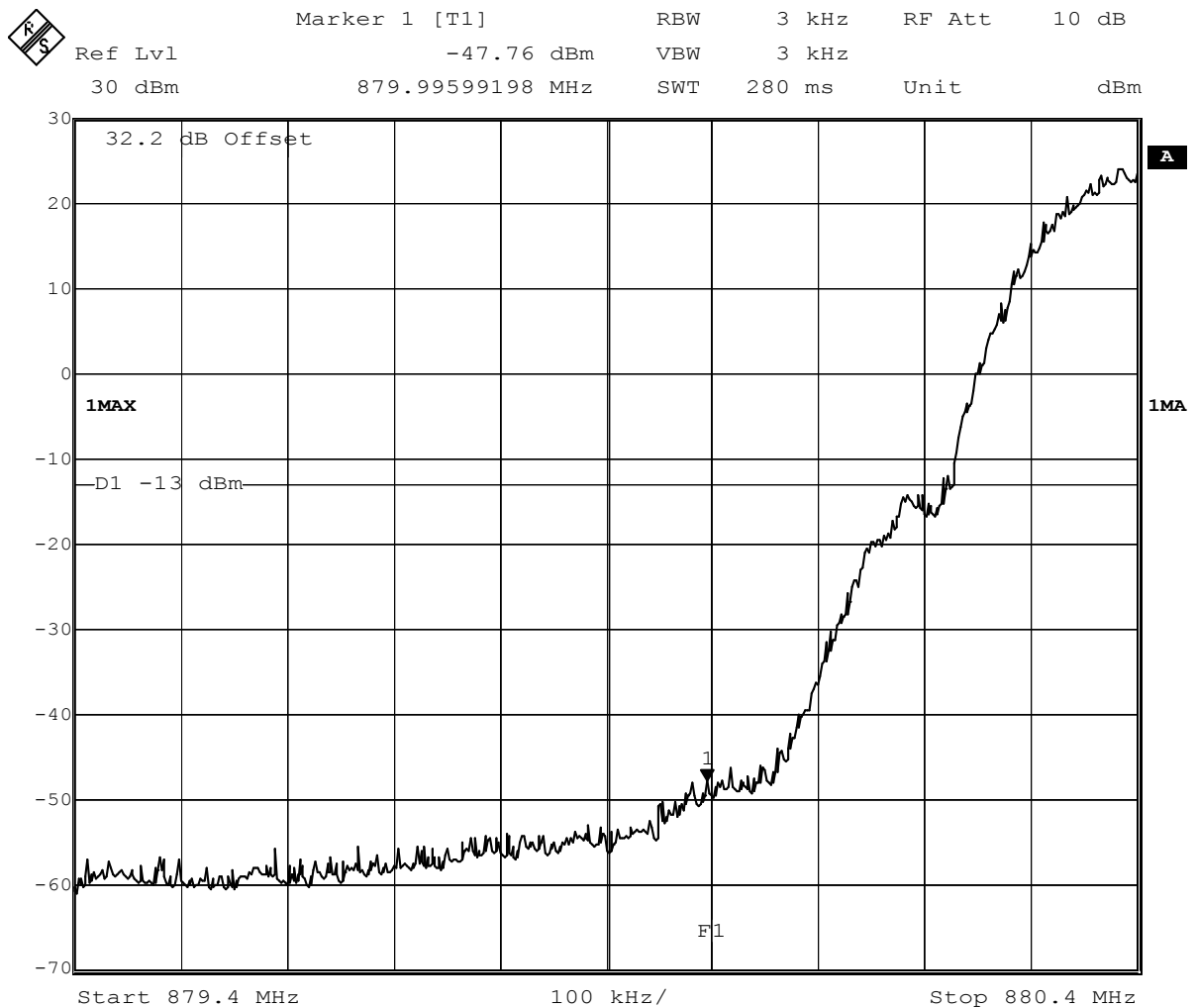
Date: 13.JAN.2003 17:36:34

Test Of: Ericsson AB.

RBS 2308

To: FCC Part 22: 2001

GPH\44227JD01\004a
TX0 CH184 OBW BlockEdge34dBm GMSK



Title: Testing for Ericsson AB. RBS 2308. FCC Part 22.917

Comment A: Ch184 OBW Block Edge. 34dBm Output Power. GMSK Mode. TX0

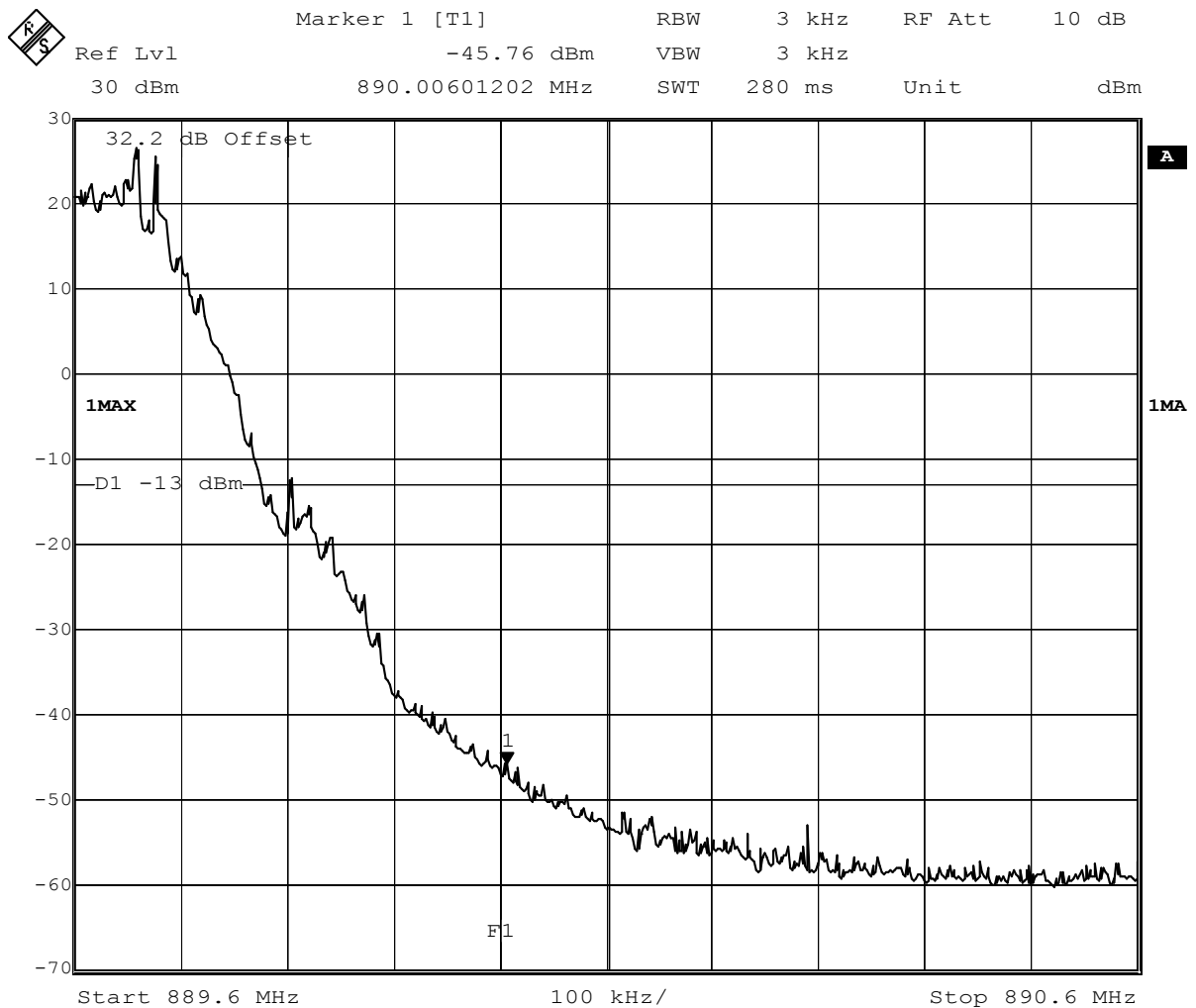
Date: 13.JAN.2003 18:17:37

Test Of: Ericsson AB.

RBS 2308

To: FCC Part 22: 2001

GPH\44227JD01\005a
TX0 CH230 OBW BlockEdge34dBm 8PSK



Title: Testing for Ericsson AB. RBS 2308. FCC Part 22.917

Comment A: Ch230 OBW Block Edge. 34dBm Output Power. 8PSK Mode. TX0

Date: 13.JAN.2003 16:57:16

Test Of: Ericsson AB.

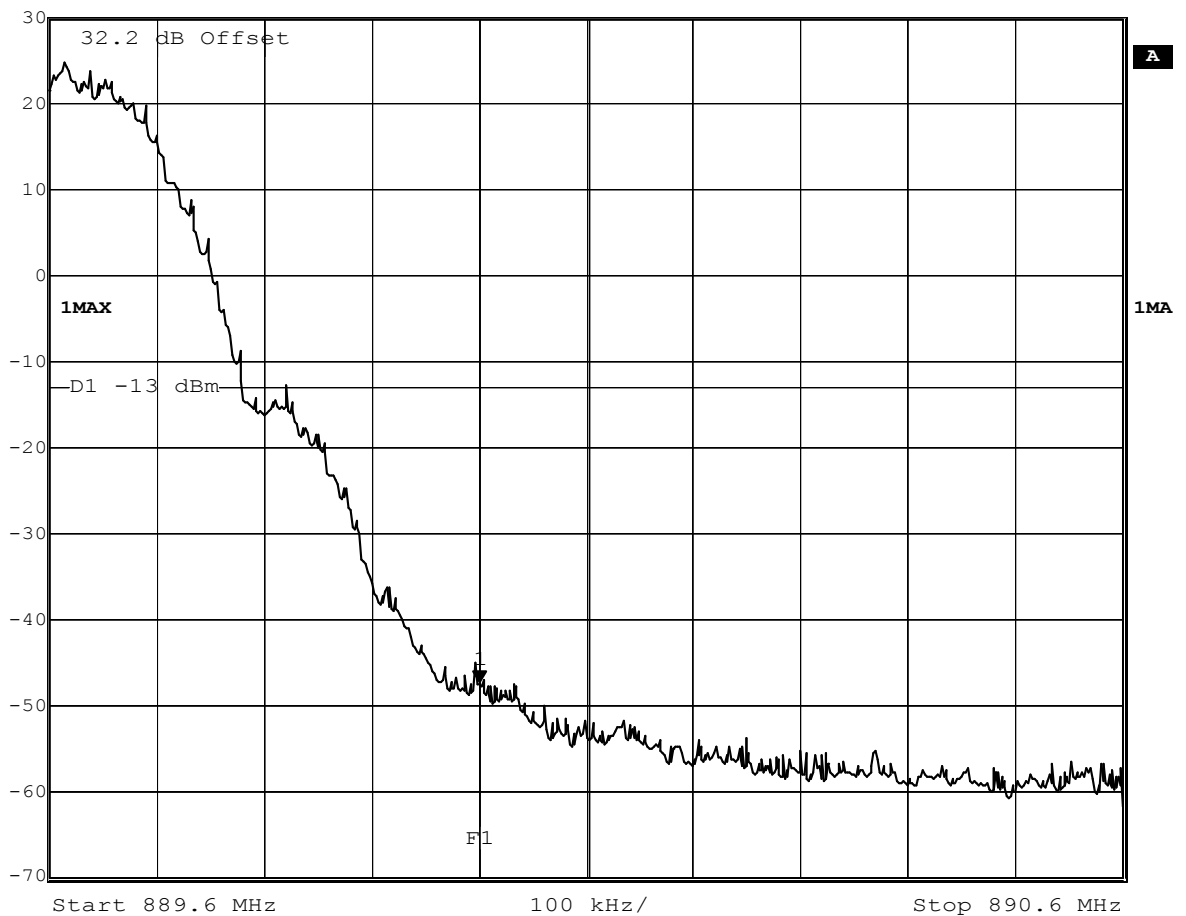
RBS 2308

To: FCC Part 22: 2001

GPH\44227JD01\006a
TX0 CH230 OBW BlockEdge34dBm GMSK



Marker 1 [T1]	RBW	3 kHz	RF Att	10 dB
Ref Lvl	-47.43 dBm	VBW	3 kHz	
30 dBm	890.00000000 MHz	SWT	280 ms	Unit dBm



Title: Testing for Ericsson AB. RBS 2308. FCC Part 22.917

Comment A: Ch230 OBW Block Edge. 34dBm Output Power. GMSK Mode. TX0

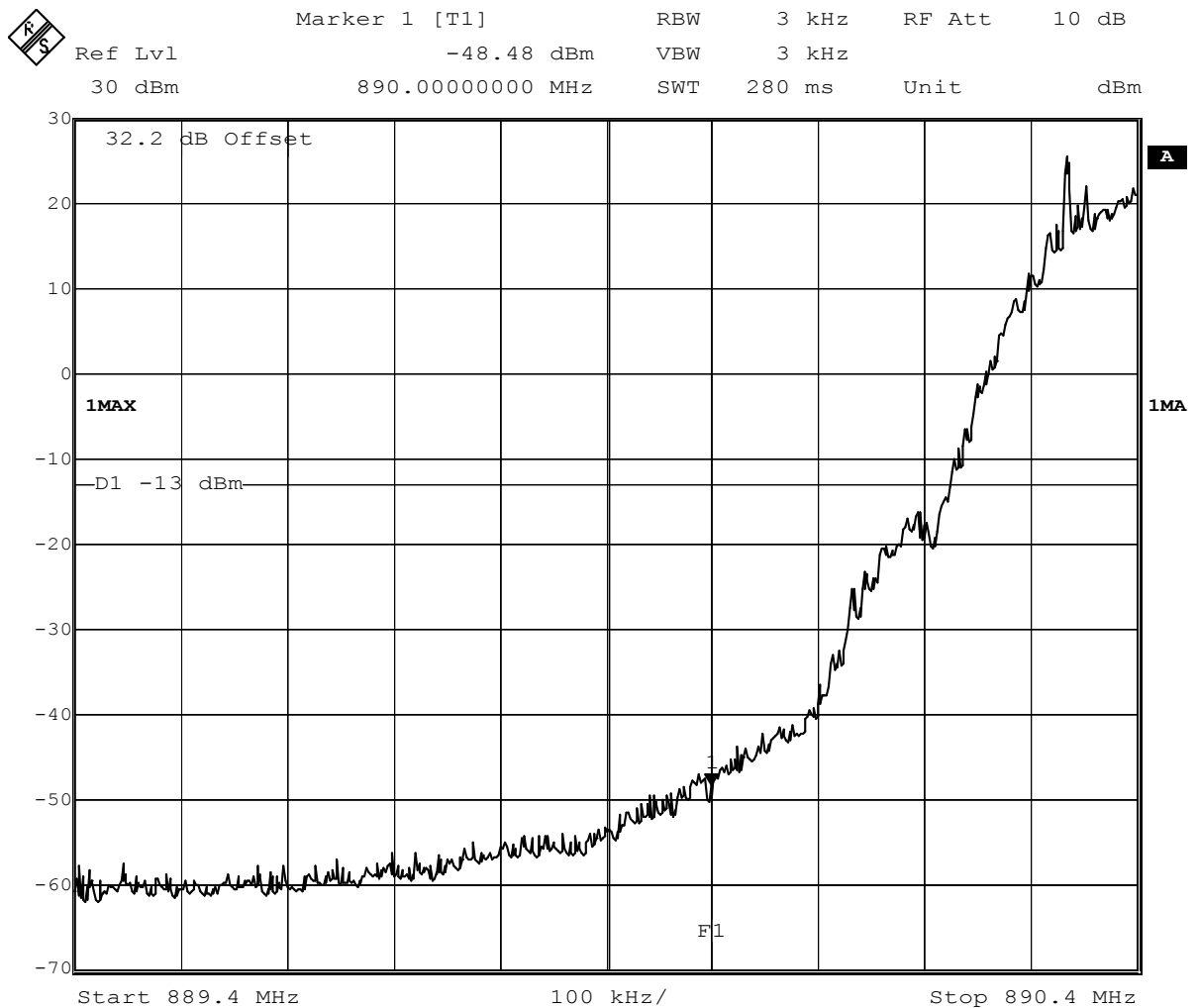
Date: 13.JAN.2003 16:48:51

Test Of: Ericsson AB.

RBS 2308

To: FCC Part 22: 2001

GPH\44227JD01\007a
TX0 CH234 OBW BlockEdge34dBm 8PSK



Title: Testing for Ericsson AB. RBS 2308. FCC Part 22.917

Comment A: Ch234 OBW Block Edge. 34dBm Output Power. 8PSK Mode. TX0

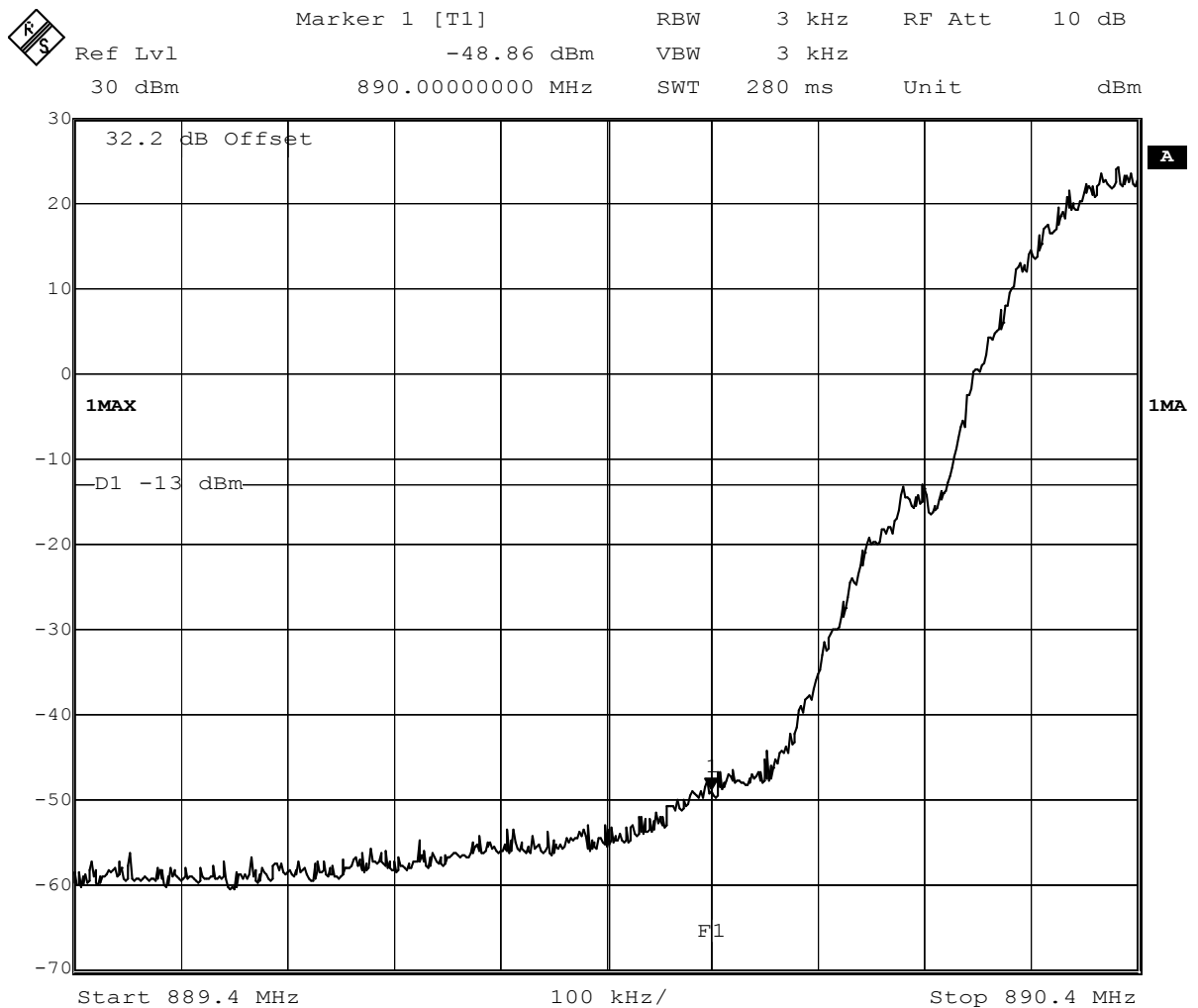
Date: 13.JAN.2003 17:23:00

Test Of: Ericsson AB.

RBS 2308

To: FCC Part 22: 2001

GPH\44227JD01\008a
TX0 CH234 OBW BlockEdge34dBm GMSK



Title: Testing for Ericsson AB. RBS 2308. FCC Part 22.917

Comment A: Ch234 OBW Block Edge. 34dBm Output Power. GMSK Mode. TX0

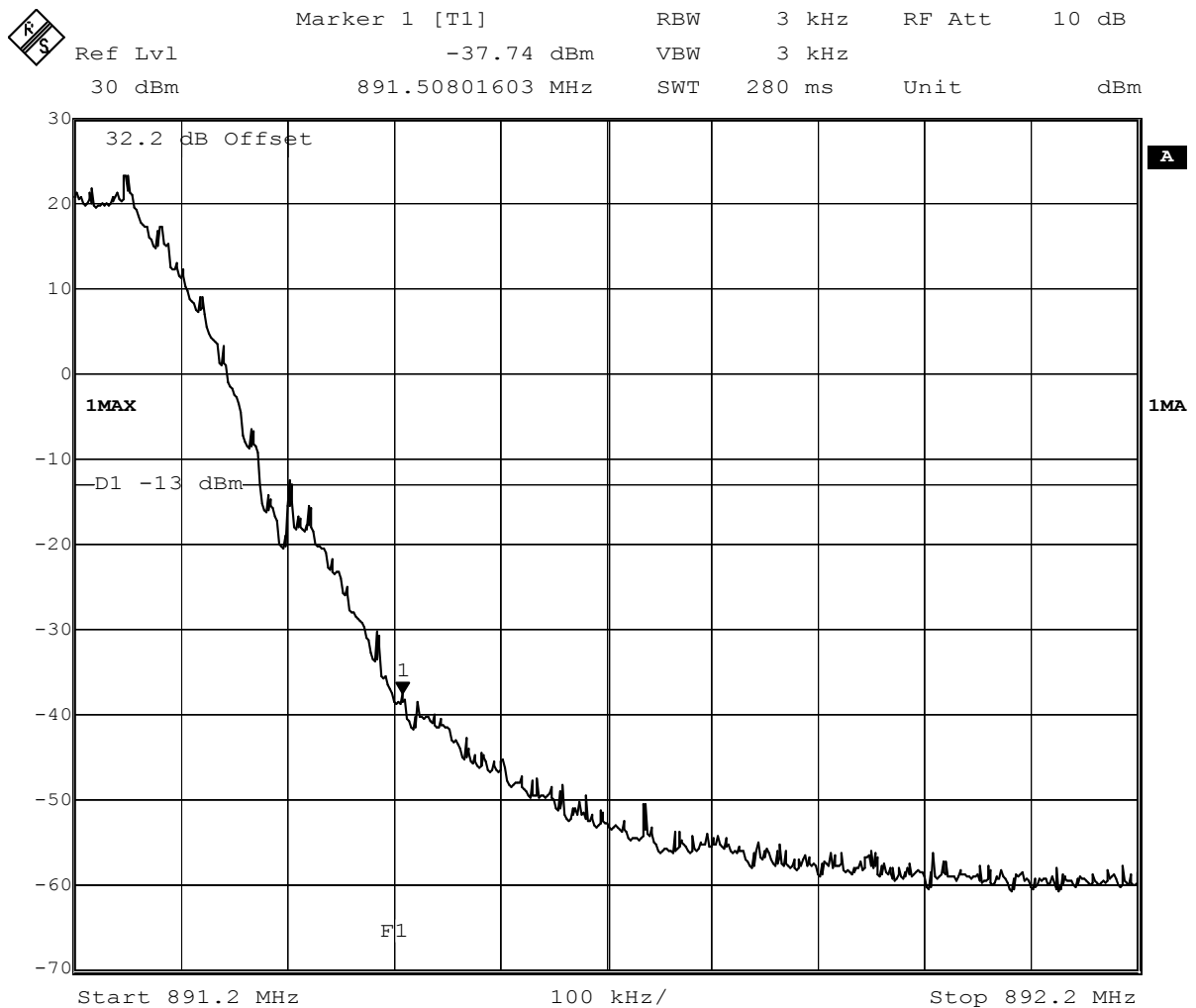
Date: 13.JAN.2003 18:23:24

Test Of: Ericsson AB.

RBS 2308

To: FCC Part 22: 2001

GPH\44227JD01\009a
TX0 CH238 OBW BlockEdge34dBm 8PSK



Title: Testing for Ericsson AB. RBS 2308. FCC Part 22.917

Comment A: Ch238 OBW Block Edge. 34dBm Output Power. 8PSK Mode. TX0

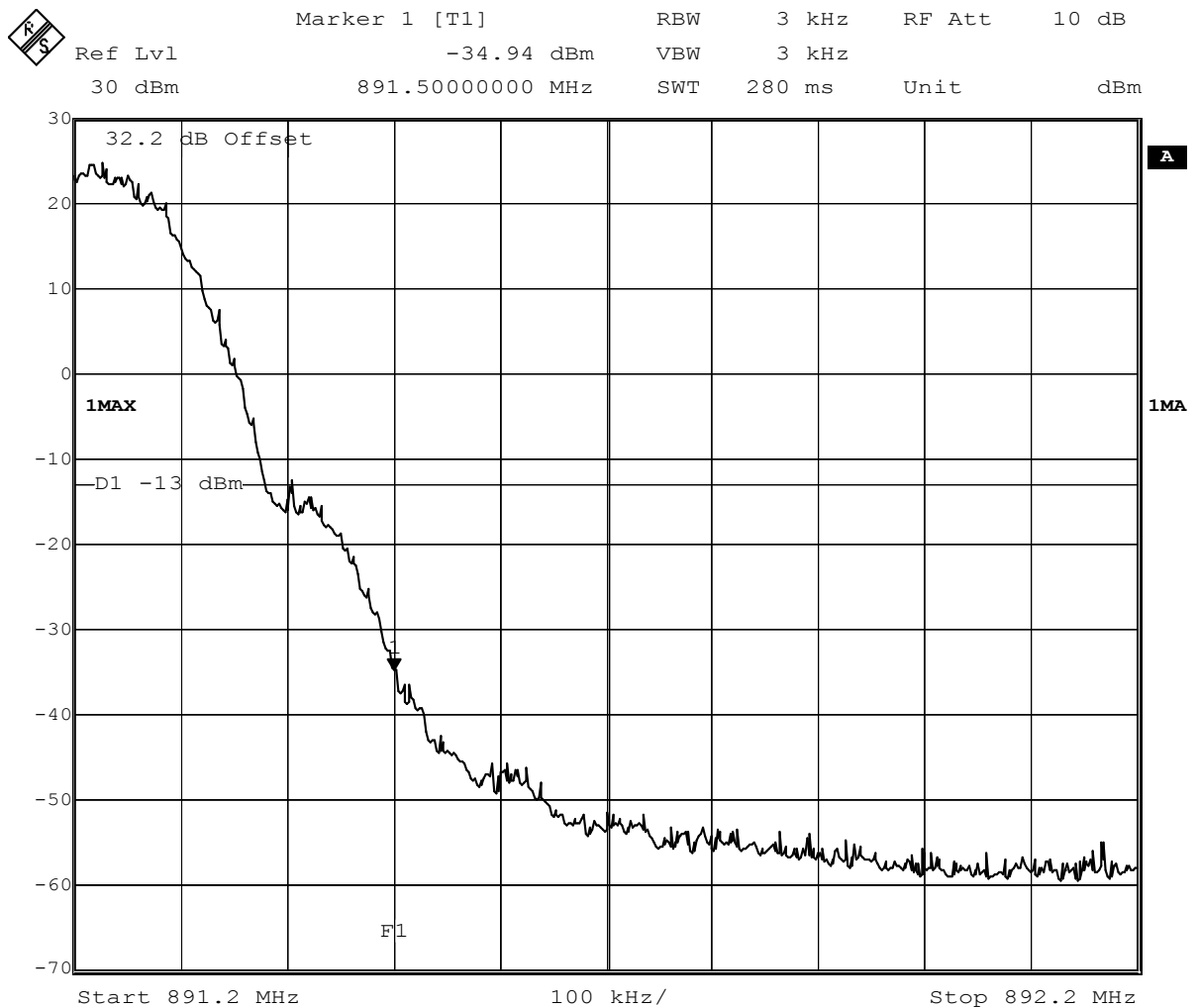
Date: 13.JAN.2003 17:48:56

Test Of: Ericsson AB.

RBS 2308

To: FCC Part 22: 2001

GPH\44227JD01\010a
TX0 CH238 OBW BlockEdge34dBm GMSK



Title: Testing for Ericsson AB. RBS 2308. FCC Part 22.917

Comment A: Ch238 OBW Block Edge. 34dBm Output Power. GMSK Mode. TX0

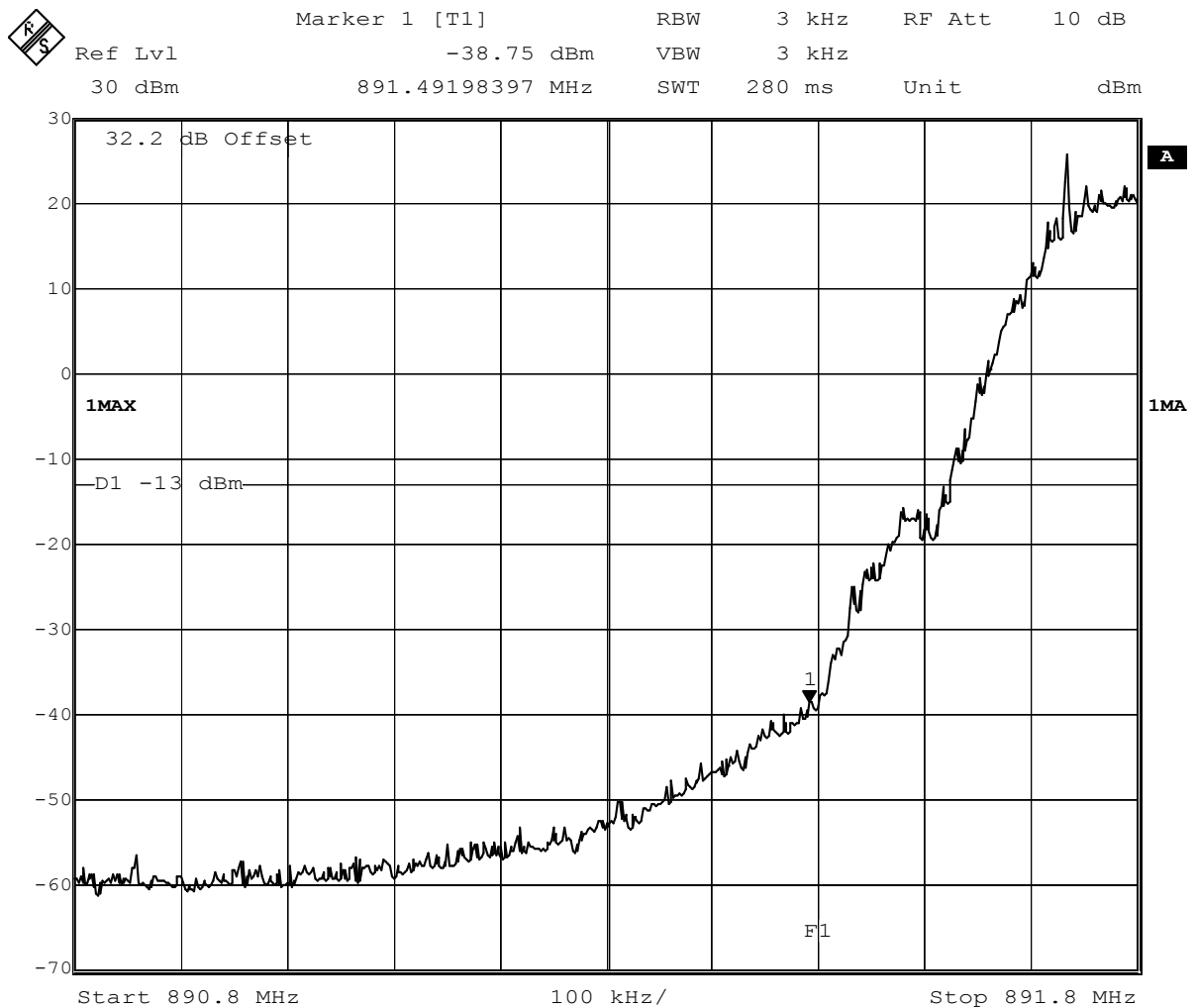
Date: 13.JAN.2003 17:52:30

Test Of: Ericsson AB.

RBS 2308

To: FCC Part 22: 2001

GPH\44227JD01\011a
TX0 CH241 OBW BlockEdge34dBm 8PSK



Title: Testing for Ericsson AB. RBS 2308. FCC Part 22.917

Comment A: Ch241 OBW Block Edge. 34dBm Output Power. 8PSK Mode. TX0

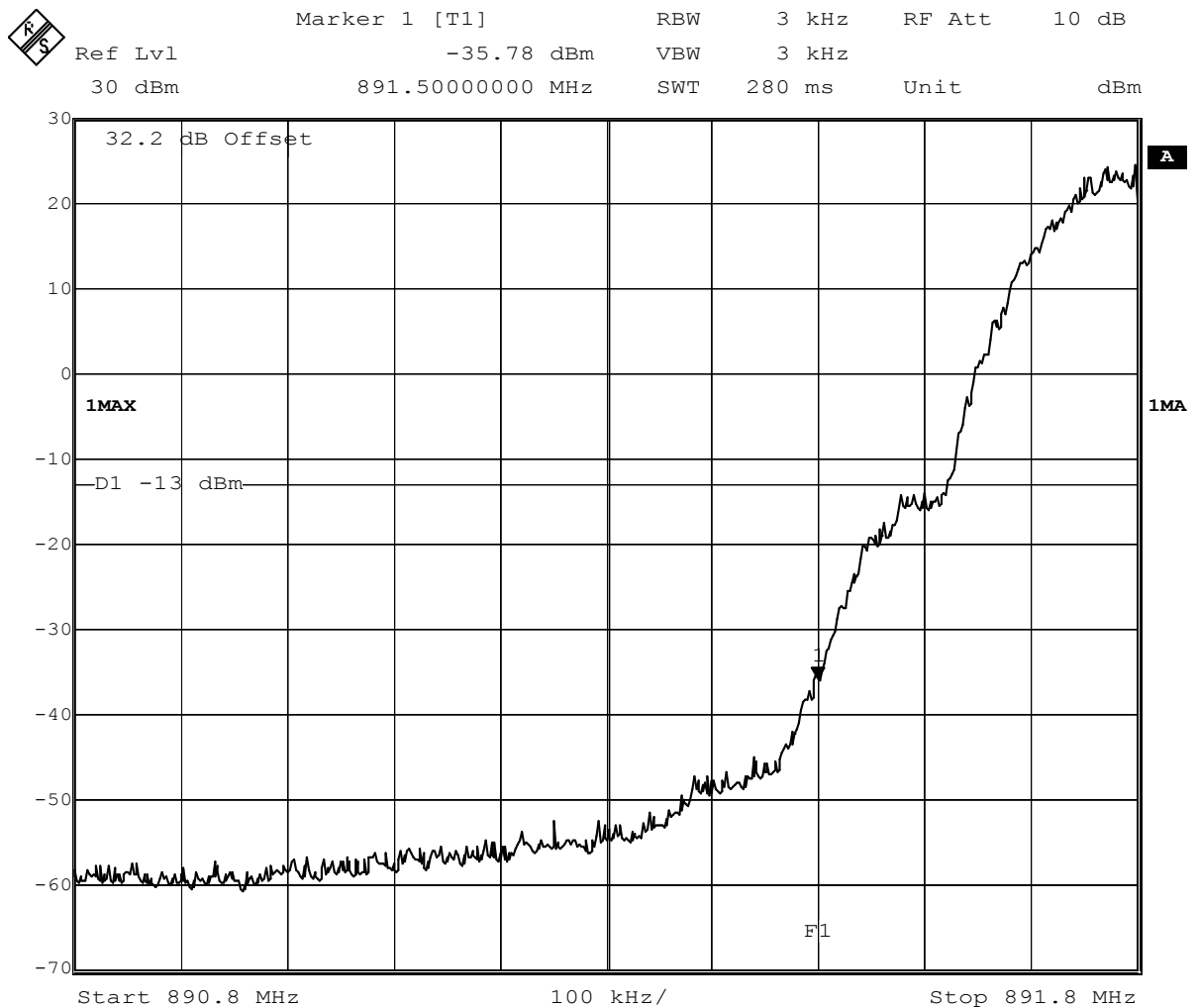
Date: 13.JAN.2003 17:45:46

Test Of: Ericsson AB.

RBS 2308

To: FCC Part 22: 2001

GPH\44227JD01\012a
TX0 CH241 OBW BlockEdge34dBm GMSK



Title: Testing for Ericsson AB. RBS 2308. FCC Part 22.917

Comment A: Ch241 OBW Block Edge. 34dBm Output Power. GMSK Mode. TX0

Date: 13.JAN.2003 18:20:21