

SUPPLEMENTARY TEST REPORT FROM RADIO FREQUENCY INVESTIGATION LTD.

Test Of: Ericsson AB.
KRC 131 1005/2 dTRU-8 Edge Transceiver Unit

To: FCC Part 22: 2001

Supplementary Test Report Serial No:
RFI/MPTB1/SUP44045JD01A

This Test Report Is Issued Under The Authority Of Richard Jacklin, Operations Director: 	Checked By: 
Tested By:  pp	Release Version No: PDF01
Issue Date: 14 January 2003	

This supplementary report is issued as an addendum to RFI Test Report Serial No: RFI/MPTB1/RP44045JD01A. It has been issued to include additional information requested by the FCC.

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

RADIO FREQUENCY INVESTIGATION LTD.

TEST REPORT

Conformance Testing Department

S.No: RFI/MPTB1/SUP44045JD01A

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Test Of: Ericsson AB.**KRC 131 1005/2 dTRU-8 Edge Transceiver Unit****To: FCC Part 22: 2001**

1. Client Information

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

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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
dTRU-8 Edge	KRC 131 1005/2	AE5000KFDQ	R2A

***Note** The above unit was tested for all conducted measurements installed within the RBS 2206 (24 VDC) Cabinet.

Unit	Model Number	Serial Number	Revision Number
dTRU-8 Edge	KRC 131 1005/2	AE5000K5YF	R2A
dTRU-8 Edge	KRC 131 1005/2	AE5000K5Y9	R2A
dTRU-8 Edge	KRC 131 1005/2	AE5000K5YQ	R2A
dTRU-8 Edge	KRC 131 1005/2	AE5000KLCG	R2A
dTRU-8 Edge	KRC 131 1005/2	AE5000KLQG	R2A
dTRU-8 Edge	KRC 131 1005/2	AE5000KLCV	R2A

***Note** The above units were tested for radiated spurious emissions within the RBS 2206 (24 VDC) Cabinet.

Unit	Model Number	Serial Number	Revision Number
dTRU-8 Edge	KRC 131 1005/2	AE5000KFDW	R2A
dTRU-8 Edge	KRC 131 1005/2	AE5000KFEB	R2A
dTRU-8 Edge	KRC 131 1005/2	AE5000K5YJ	R2A
dTRU-8 Edge	KRC 131 1005/2	AE5000K5YN	R2A
dTRU-8 Edge	KRC 131 1005/2	AE5000K5YC	R2A
dTRU-8 Edge	KRC 131 1005/2	AE5000K5YP	R2A

***Note** The above units were tested for radiated spurious emissions within the RBS 2106 (208 VAC) Cabinet.

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2.2. Description Of EUT

The EUT is a GMSK/8PSK transceiver unit dTRU-8 Edge 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 Name/Number and Unique Type Identification stated above.

2.4. Additional Information Related To Testing

Type of Unit:	GSM 850 Transceiver Unit dTRU-8 Edge
Interface Ports:	Telecommunication line – E1 or T1 PCM Alarm input – closing/opening inputs for alarms TG Sync – synchronisation interface between base stations DC output – DC supply for optional equipment DC input/output – for battery back-up GPS
Transmit Frequency	869 MHz to 894 MHz
Receive Frequency	824 MHz to 849 MHz
Maximum Power Output	49dBm in TCC mode

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2.5. Support Equipment

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

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:	5 m, 9 pin D type
Connected to Port:	TG Sync
Cable Length And Type:	3.5 m, 9 pin, D type
Connected to Port:	G.703 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

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Support Equipment (continued)

Description:	Computer
Brand Name:	Propac
Model Name or Number:	19-003
Serial Number:	620
FCC ID Number:	Not applicable
Cable Length And Type:	1.5 m, 9 pin, D type
Connected to Port:	PC out
Cable Length And Type:	2 m, 9 pin, D type
Connected to Port:	PC Ctrl

Description:	PSU
Brand Name:	Xantrex
Model Name or Number:	Powerbox PBXKW 55-55
Serial Number:	None stated by client
FCC ID Number:	Not applicable
Cable Length And Type:	1 m, Mains cable
Connected to Port:	Not applicable

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RBS 2206 (24 VDC) Hardware list (Conducted Measurements)

Unit	Model Number	Serial Number	Revision Number
Cabinet	SEB 112 1095/1	S763367550	R2A
CDU Shelf	BFL 119 406/1	S76	R2A
CDU_G8	BFL 119 155/1	A40003WQNB	R2F
CDU_G8	BFL 119 155/1	A40003WQNC	R2F
CDU_G8	BFL 119 155/1	A40003WQND	R2F
Dummy	SXK 107 5031/2	S76	R1B
Dummy	SXK 107 5031/2	S76	R1B
CXU-10	KRY 101 1856/1	A40003FQGF	R3B
TRU Shelf	BFL 119 407/1	S76	R2A
IDM 01	BMG 980 06/1	T671028233	R2A
PSU_Shelf	BFL 119 408/1	S76	R2A
PSU_AC	BML 231 202/1	A083322111	R2G
PSU_AC	BML 231 202/1	A083516276	R2G
PSU_AC	BML 231 202/1	A083535748	R2G
PSU_AC	BML 231 202/1	A083516236	R2G
DXU_21	BOE 602 14/1	A101688457	R4G
Dummy	SXK 107 5029/1	S76	R1C
Dummy	SXK 107 5030/1	S76	R1B
FCU_01	BGM 1361001/2	A082763346	R2D
DC Filter	KFE 101 1145/1	TR2100915	R1A/A
ACCU_01	BMG 980 07/1	S792034233	R1A

Test Of: Ericsson AB.**KRC 131 1005/2 dTRU-8 Edge Transceiver Unit****To: FCC Part 22: 2001**

RBS 2206 (24 VDC) Hardware list (Radiated Measurements)

Unit	Model Number	Serial Number	Revision Number
Cabinet	SEB 112 1095/1	S763429263	-
CDU_G8	BFL 119 155/1	A40003WNBZ	-
CDU_G8	BFL 119 155/1	A40003WNBW	-
CDU_G8	BFL 119 155/1	A40003WNBX	-
PSU-AC	BML 231 202/1	A083512425	-
PSU-AC	BML 231 202/1	A083376369	-
PSU-AC	BML 231 202/1	A083508576	-
PSU-AC	BML 231 202/1	A083543464	-
CXU	KRY 101 1856/1	S6900131KA	-
FCU	BGM 136 1001/2	A083080495	-
DXU 21	BOE 602 14/1	X510043459	-

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RBS 2106 (208 VAC) Hardware list (Radiated Measurements)

Unit	Model Number	Serial Number	Revision Number
Cabinet	SEB 112 1135/04	S77TOR6559	-
CDU_G8	BFL 119 155/1	A40003WNC1	-
CDU_G8	BFL 119 155/1	A40003WTGD	-
CDU_G8	BFL 119 155/1	A40003WNBT	-
PSU-AC	BML 231 202/1	A083512361	-
PSU-AC	BML 231 202/1	A083535632	-
PSU-AC	BML 231 202/1	A08353617	-
PSU-AC	BML 231 202/1	A083331319	-
CXU	KRY 101 1856/1	A40003F40M	-
FCU	BGM 136 1001/2	A08350845	-
BFU-21	BMG 980 13/1	A082997612	-
CCU	BPD10436/1	S781129819	-
ACCU	BMG98011/1	A441354629	-
DXU-21	BOE60214/1	X510059039	-
ABM-01	BMG98012/1	T671042251	-

Test Of: Ericsson AB.

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Appendix 1. Graphical Test Results

This appendix contains the following graphs:

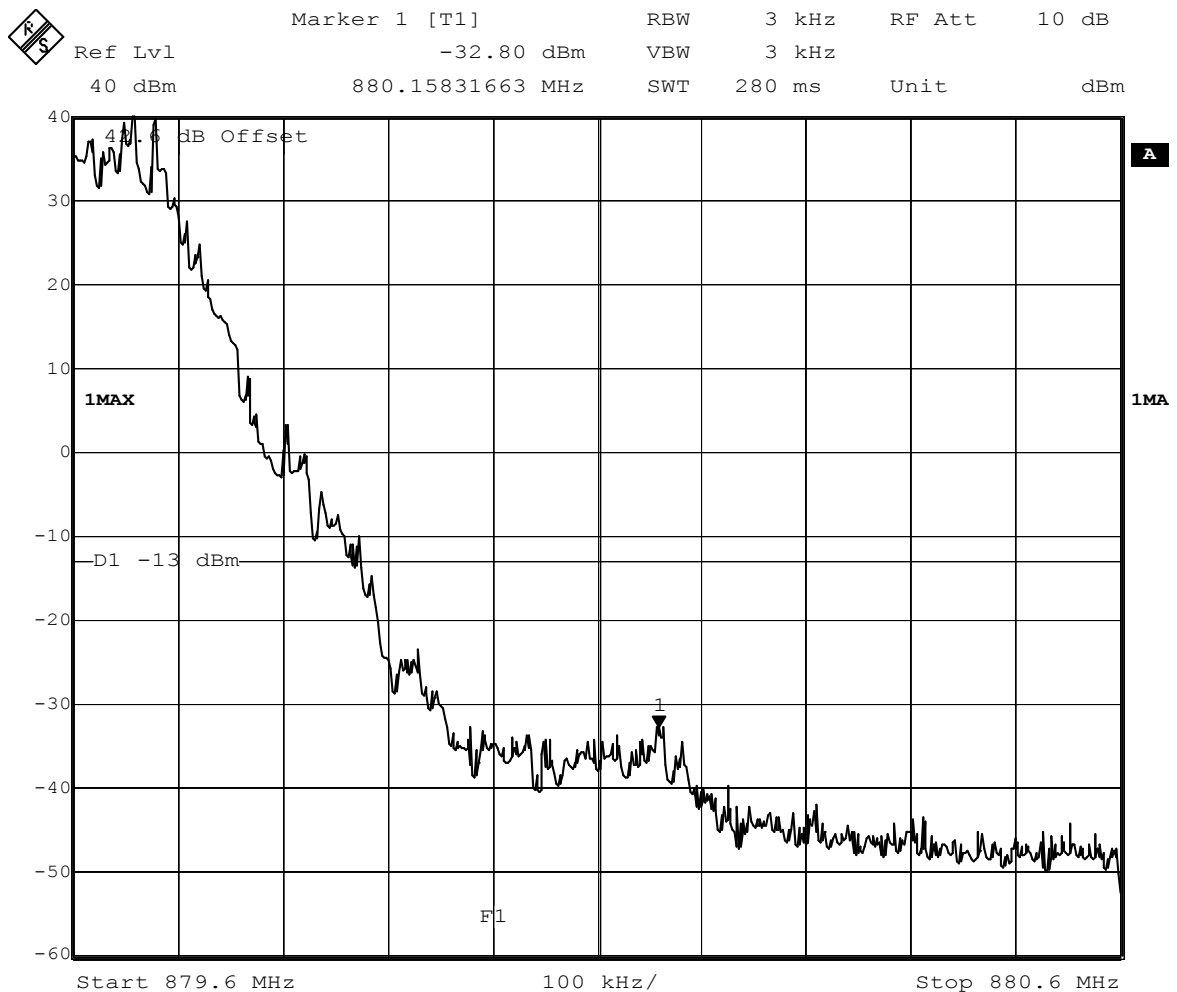
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GPH\44045JD01\003a	TCC_dtru0_1_CH184_OBW_BlockEdge49dBm_8PSK
GPH\44045JD01\004a	TCC_dtru0_1_CH184_OBW_BlockEdge49dBm_GMSK
GPH\44045JD01\005a	TCC_dtru0_1_CH230_OBW_BlockEdge49dBm_8PSK
GPH\44045JD01\006a	TCC_dtru0_1_CH230_OBW_BlockEdge49dBm_GMSK
GPH\44045JD01\007a	TCC_dtru0_1_CH234_OBW_BlockEdge49dBm_8PSK
GPH\44045JD01\008a	TCC_dtru0_1_CH234_OBW_BlockEdge49dBm_GMSK
GPH\44045JD01\009a	TCC_dtru0_1_CH238_OBW_BlockEdge49dBm_8PSK
GPH\44045JD01\010a	TCC_dtru0_1_CH238_OBW_BlockEdge49dBm_GMSK
GPH\44045JD01\011a	TCC_dtru0_1_CH241_OBW_BlockEdge49dBm_8PSK
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Test Of: Ericsson AB.

KRC 131 1005/2 dTRU-8 Edge Transceiver Unit

To: FCC Part 22: 2001

GPH\44045JD01\001a
TCC dtru0 1 CH180 OBW BlockEdge49dBm 8PSK



Title: Testing for Ericsson AB. RBS 2206. FCC Part 22.917

Comment A: Ch180 OBW Block Edge. TCC Mode 49dBm Output Power. 8PSK Mode
. TX0+TX1

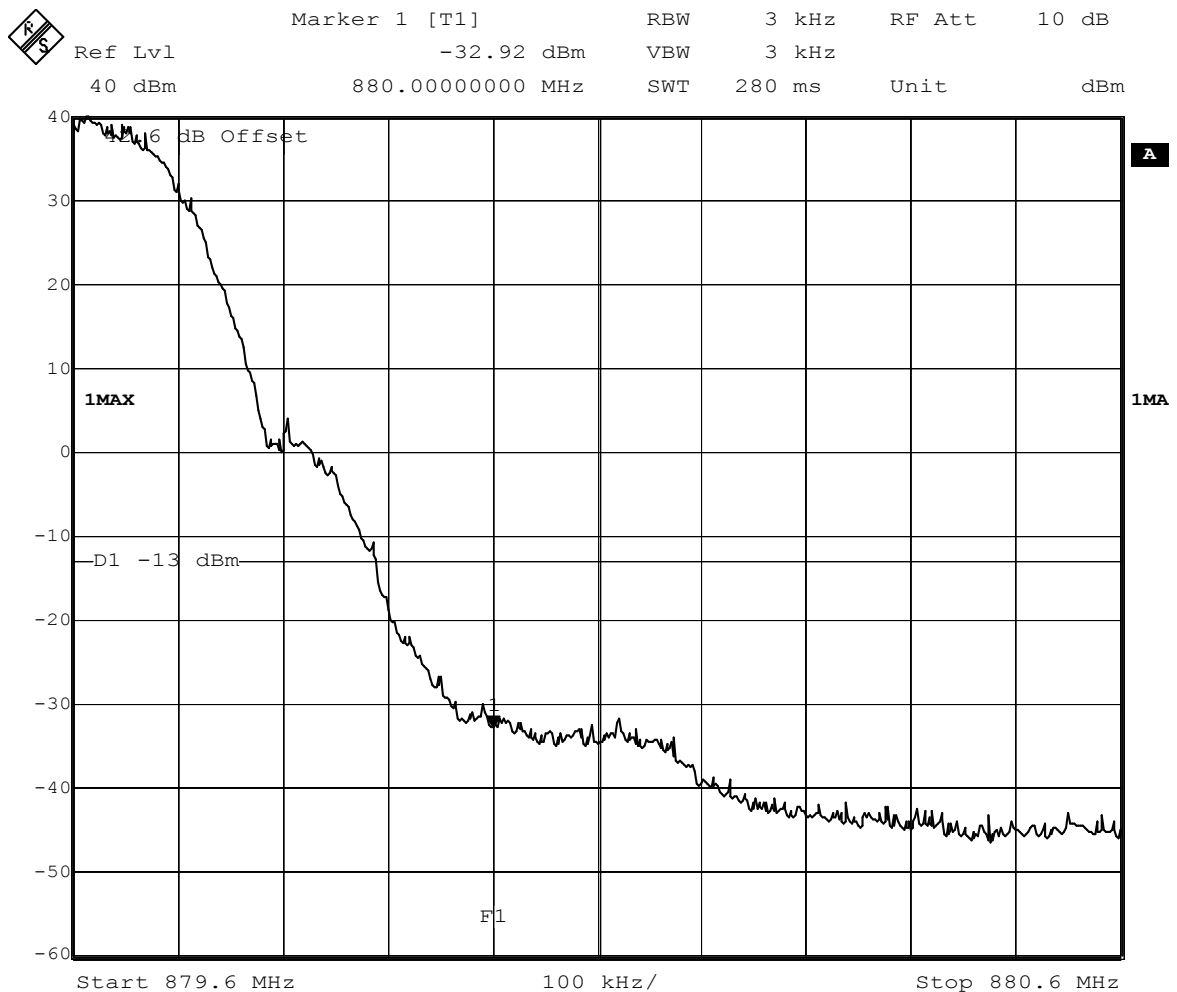
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Test Of: Ericsson AB.

KRC 131 1005/2 dTRU-8 Edge Transceiver Unit

To: FCC Part 22: 2001

GPH\44045JD01\002a
TCC dtru0 1 CH180 OBW BlockEdge49dBm GMSK



Title: Testing for Ericsson AB. RBS 2206. FCC Part 22.917

Comment A: Ch180 OBW Block Edge. TCC Mode 49dBm Output Power. GMSK Mode
. TX0+TX1

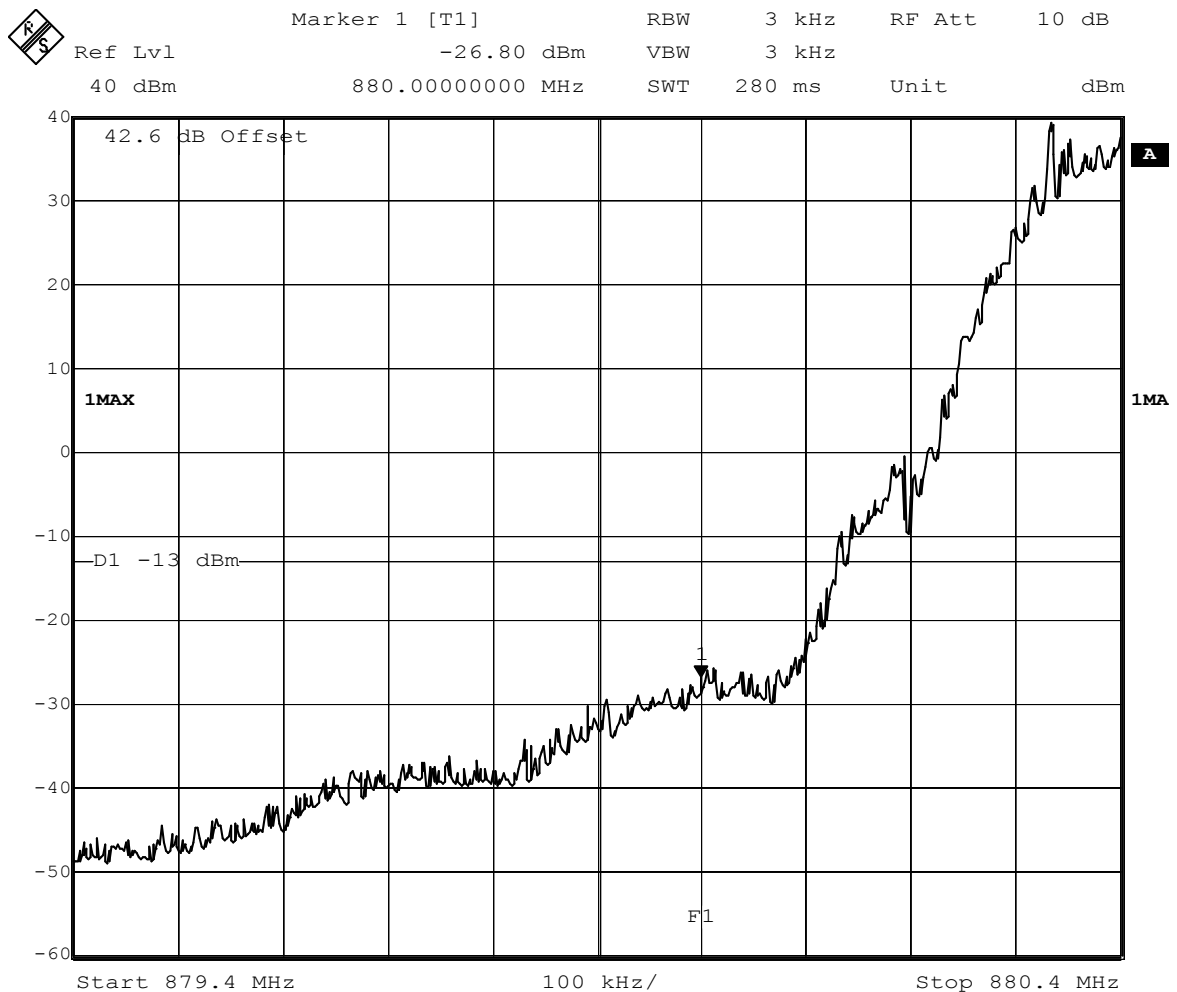
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Test Of: Ericsson AB.

KRC 131 1005/2 dTRU-8 Edge Transceiver Unit

To: FCC Part 22: 2001

GPH\44045JD01\003a
TCC dtru0 1 CH184 OBW BlockEdge49dBm 8PSK



Title: Testing for Ericsson AB. RBS 2206. FCC Part 22.917

Comment A: Ch184 OBW Block Edge. TCC Mode 49dBm Output Power. 8PSK Mode
. TX0+TX1

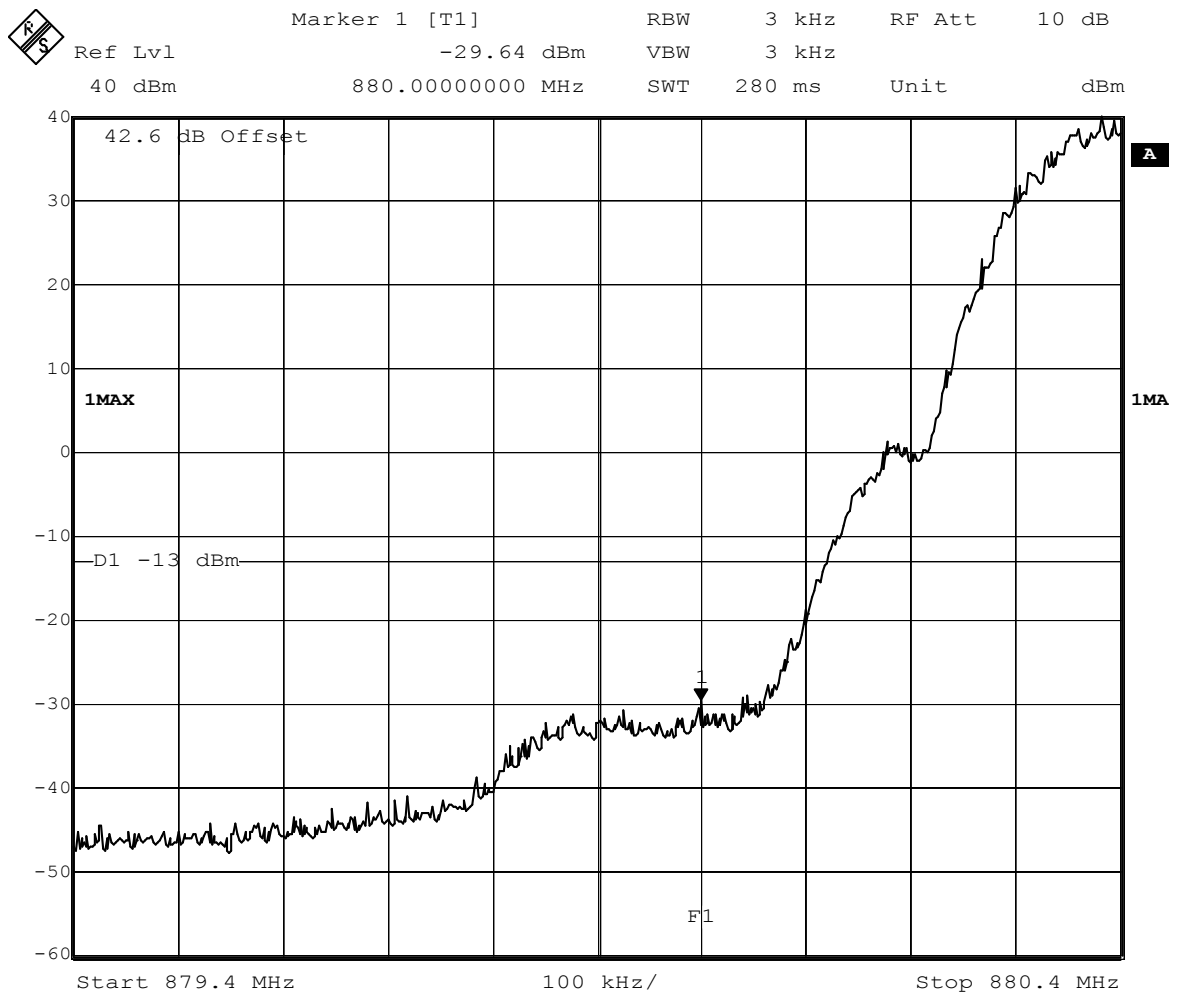
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Test Of: Ericsson AB.

KRC 131 1005/2 dTRU-8 Edge Transceiver Unit

To: FCC Part 22: 2001

GPH\44045JD01\004a
TCC dtru0 1 CH184 OBW BlockEdge49dBm GMSK



Title: Testing for Ericsson AB. RBS 2206. FCC Part 22.917

Comment A: Ch184 OBW Block Edge. TCC Mode 49dBm Output Power. GMSK Mode
. TX0+TX1

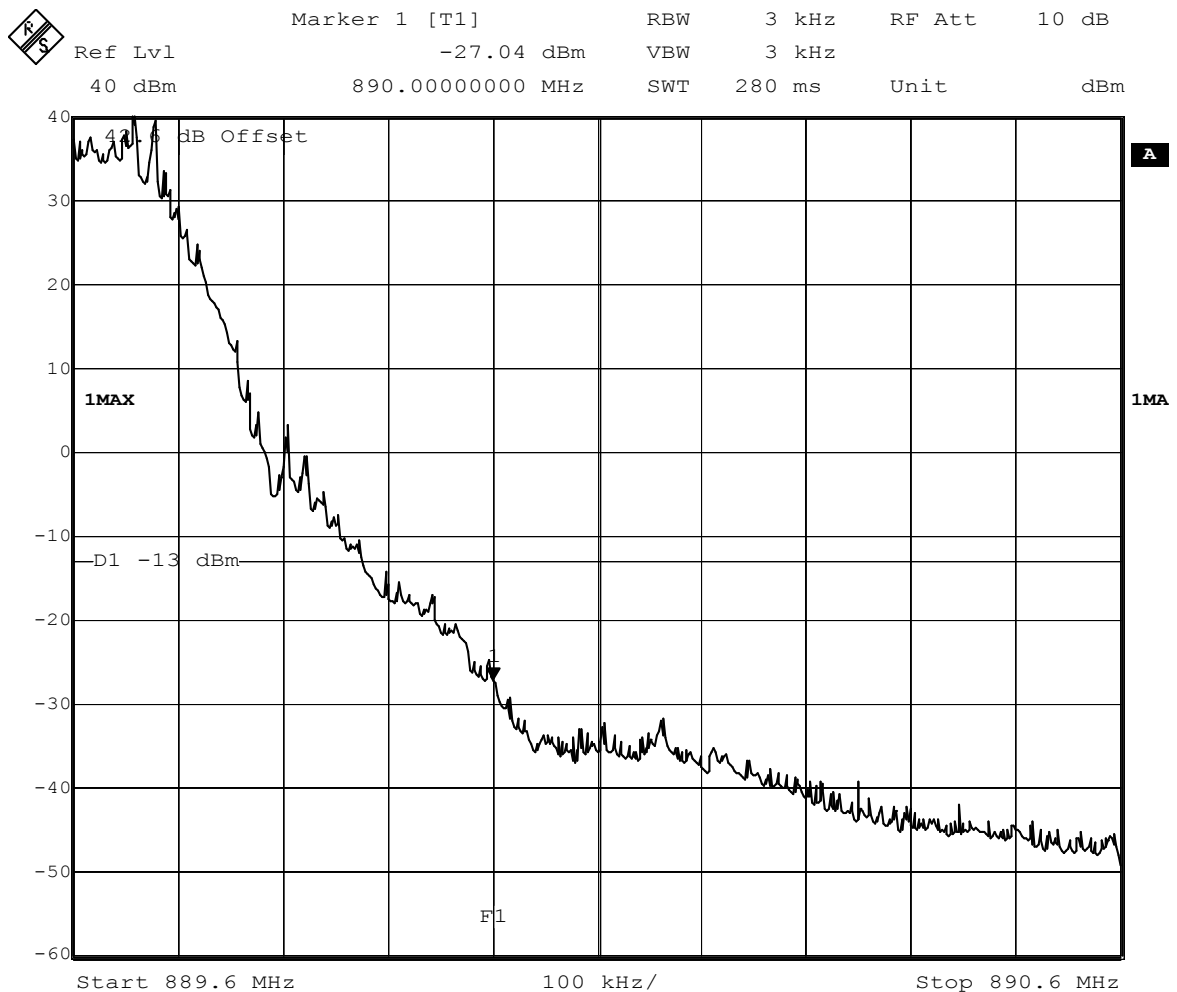
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Test Of: Ericsson AB.

KRC 131 1005/2 dTRU-8 Edge Transceiver Unit

To: FCC Part 22: 2001

GPH\44045JD01\005a
TCC dtru0 1 CH230 OBW BlockEdge49dBm 8PSK



Title: Testing for Ericsson AB. RBS 2206. FCC Part 22.917

Comment A: Ch230 OBW Block Edge. TCC Mode 49dBm Output Power. 8PSK Mode
. TX0+TX1

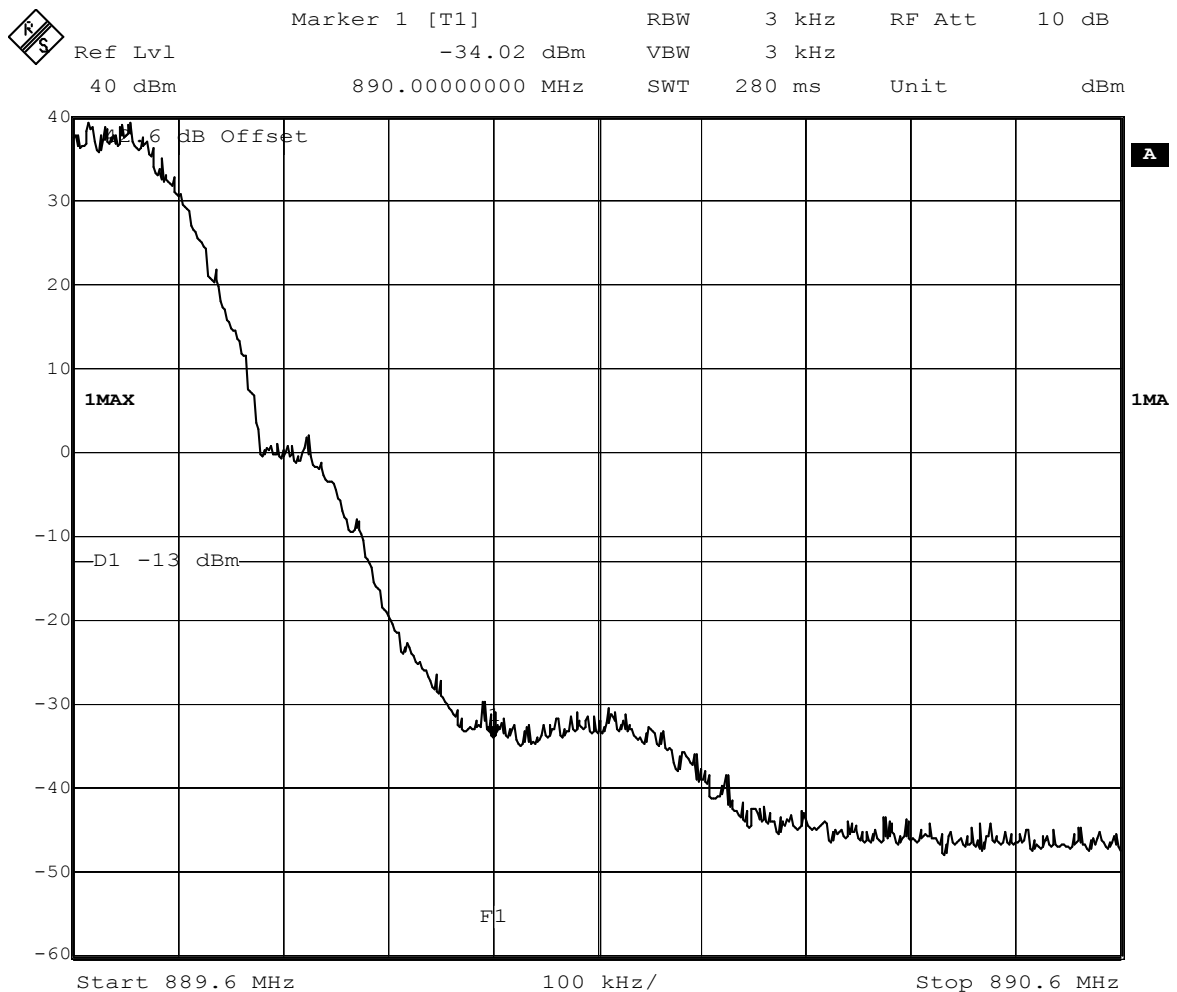
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Test Of: Ericsson AB.

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To: FCC Part 22: 2001

GPH\44045JD01\006a
TCC dtru0 1 CH230 OBW BlockEdge49dBm GMSK



Title: Testing for Ericsson AB. RBS 2206. FCC Part 22.917

Comment A: Ch230 OBW Block Edge. TCC Mode 49dBm Output Power. GMSK Mode
. TX0+TX1

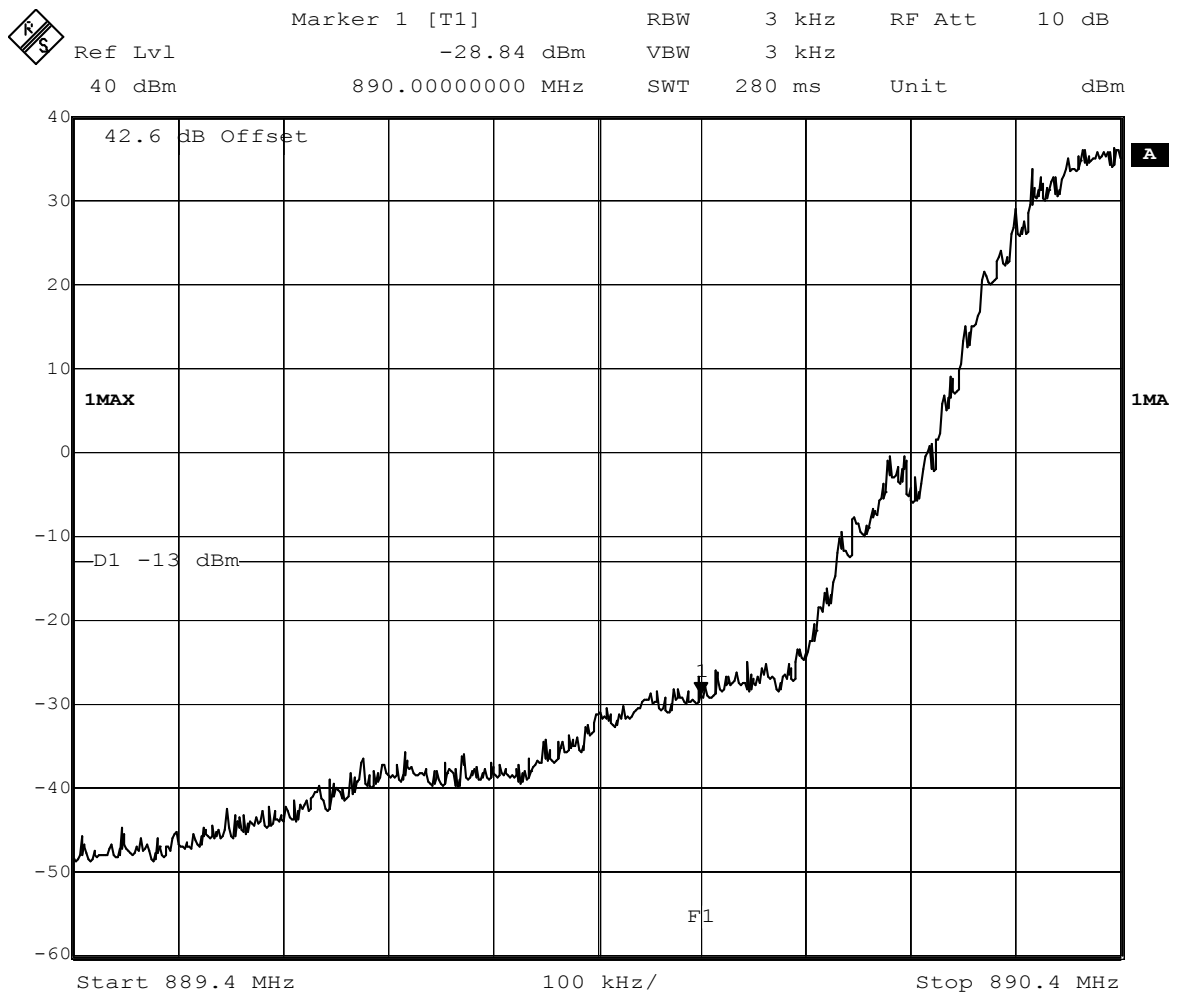
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Test Of: Ericsson AB.

KRC 131 1005/2 dTRU-8 Edge Transceiver Unit

To: FCC Part 22: 2001

GPH\44045JD01\007a
TCC dtru0 1 CH234 OBW BlockEdge49dBm 8PSK



Title: Testing for Ericsson AB. RBS 2206. FCC Part 22.917

Comment A: Ch234 OBW Block Edge. TCC Mode 49dBm Output Power. 8PSK Mode
. TX0+TX1

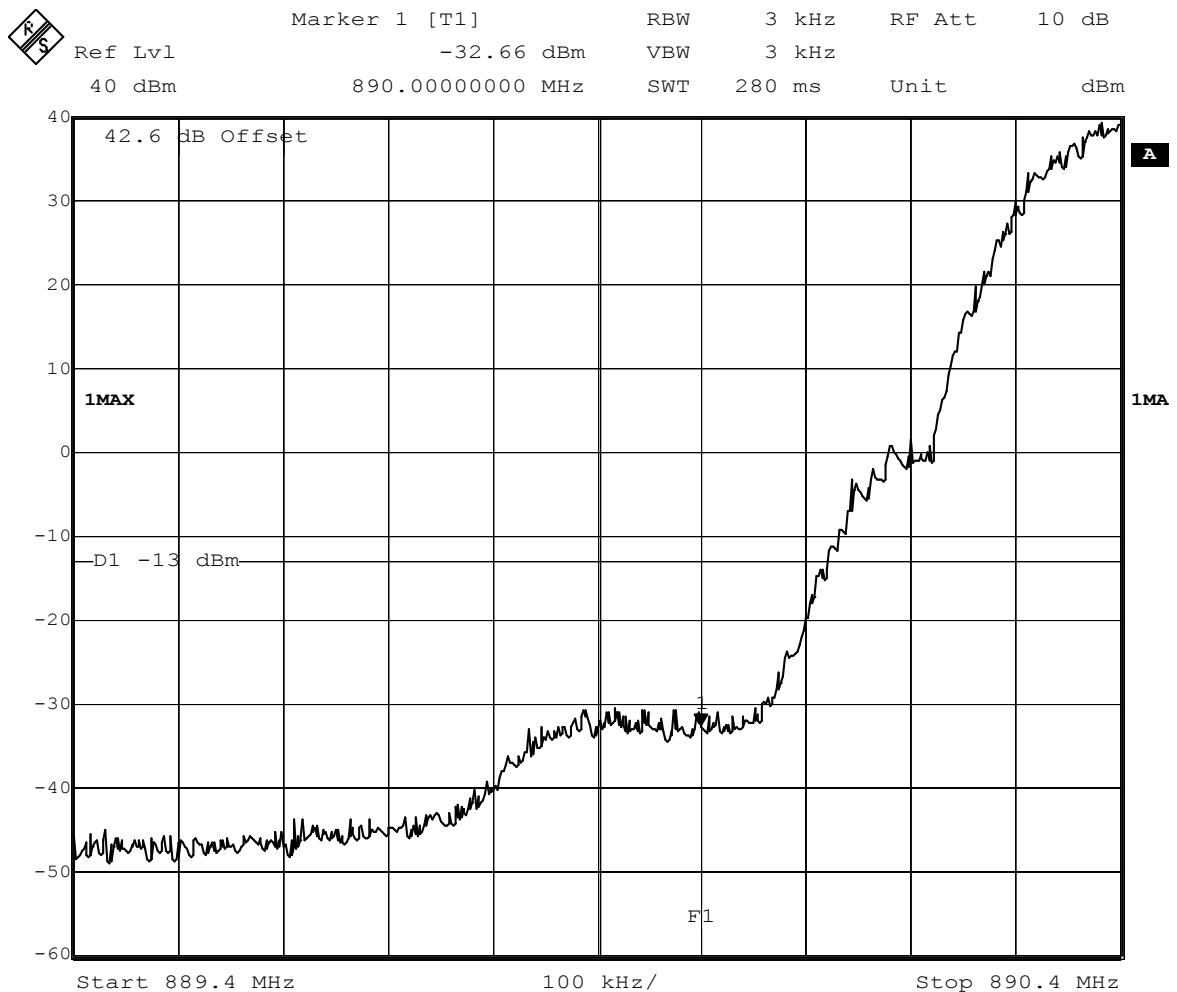
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Test Of: Ericsson AB.

KRC 131 1005/2 dTRU-8 Edge Transceiver Unit

To: FCC Part 22: 2001

GPH\44045JD01\008a
TCC dtru0 1 CH234 OBW BlockEdge49dBm GMSK



Title: Testing for Ericsson AB. RBS 2206. FCC Part 22.917

Comment A: Ch234 OBW Block Edge. TCC Mode 49dBm Output Power. GMSK Mode
. TX0+TX1

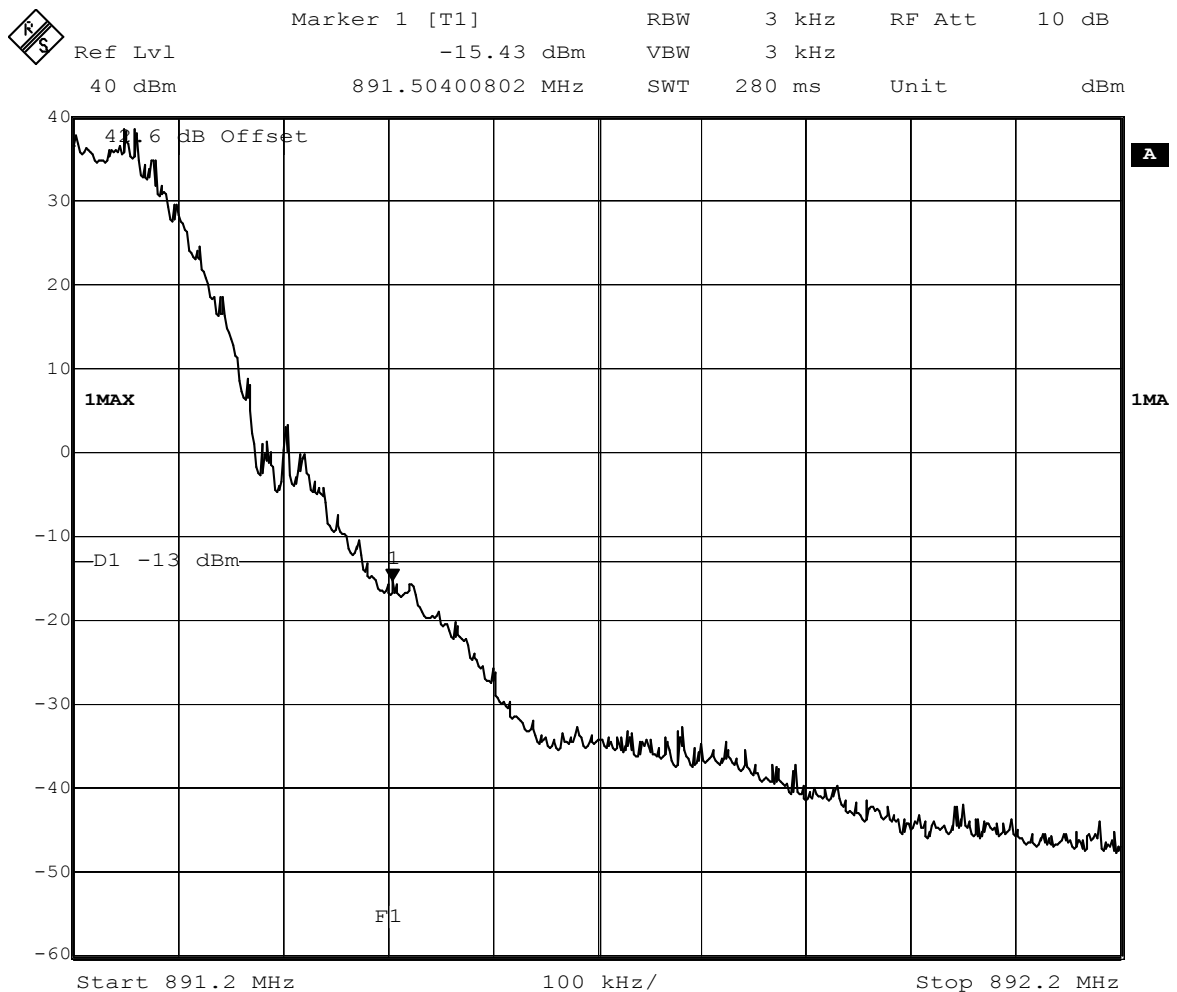
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Test Of: Ericsson AB.

KRC 131 1005/2 dTRU-8 Edge Transceiver Unit

To: FCC Part 22: 2001

GPH\44045JD01\009a
TCC dtru0 1 CH238 OBW BlockEdge49dBm 8PSK



Title: Testing for Ericsson AB. RBS 2206. FCC Part 22.917

Comment A: Ch238 OBW Block Edge. TCC Mode 49dBm Output Power. 8PSK Mode
. TX0+TX1

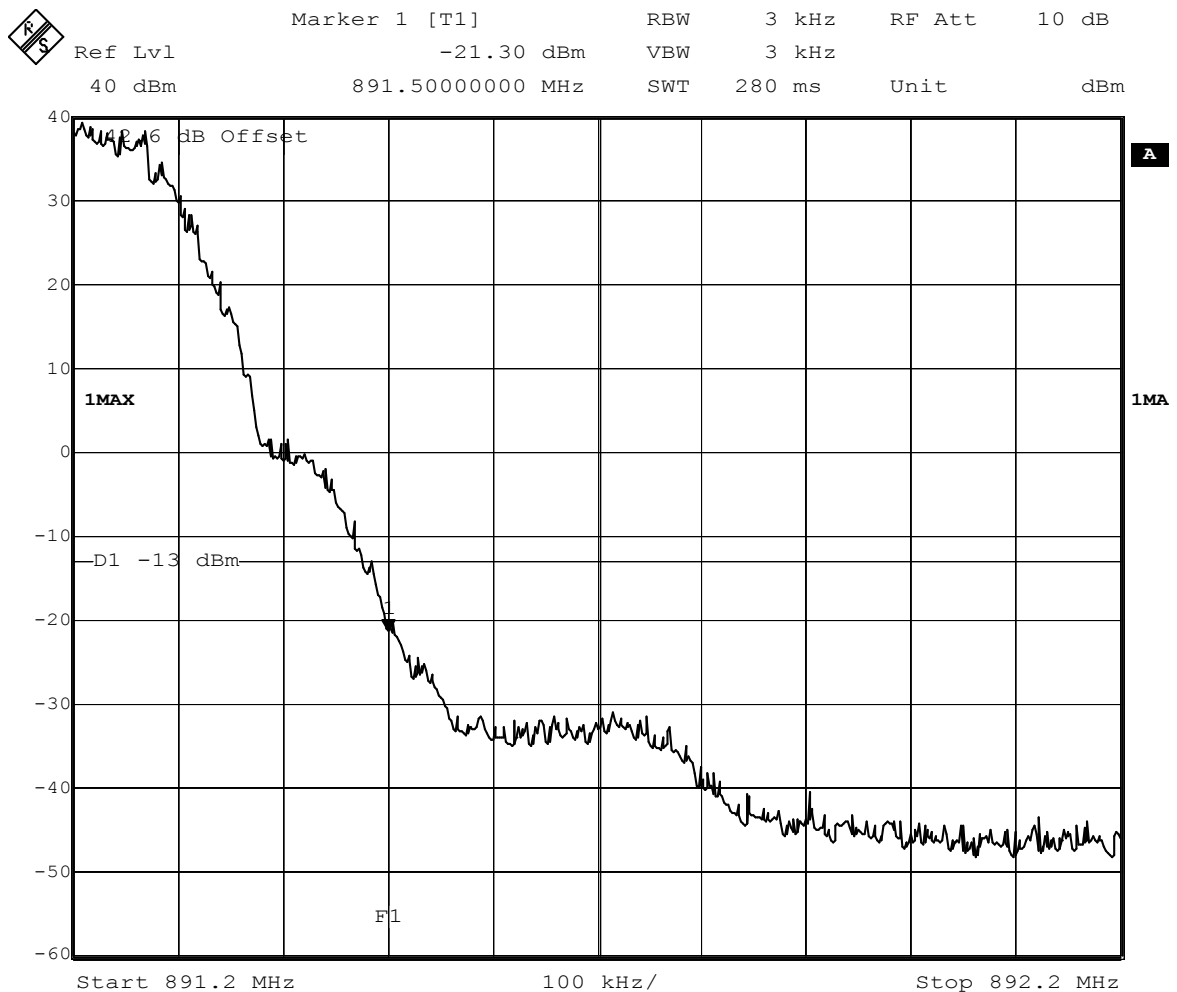
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Test Of: Ericsson AB.

KRC 131 1005/2 dTRU-8 Edge Transceiver Unit

To: FCC Part 22: 2001

GPH\44045JD01\010a
TCC dtru0 1 CH238 OBW BlockEdge49dBm GMSK



Title: Testing for Ericsson AB. RBS 2206. FCC Part 22.917

Comment A: Ch238 OBW Block Edge. TCC Mode 49dBm Output Power. GMSK Mode
. TX0+TX1

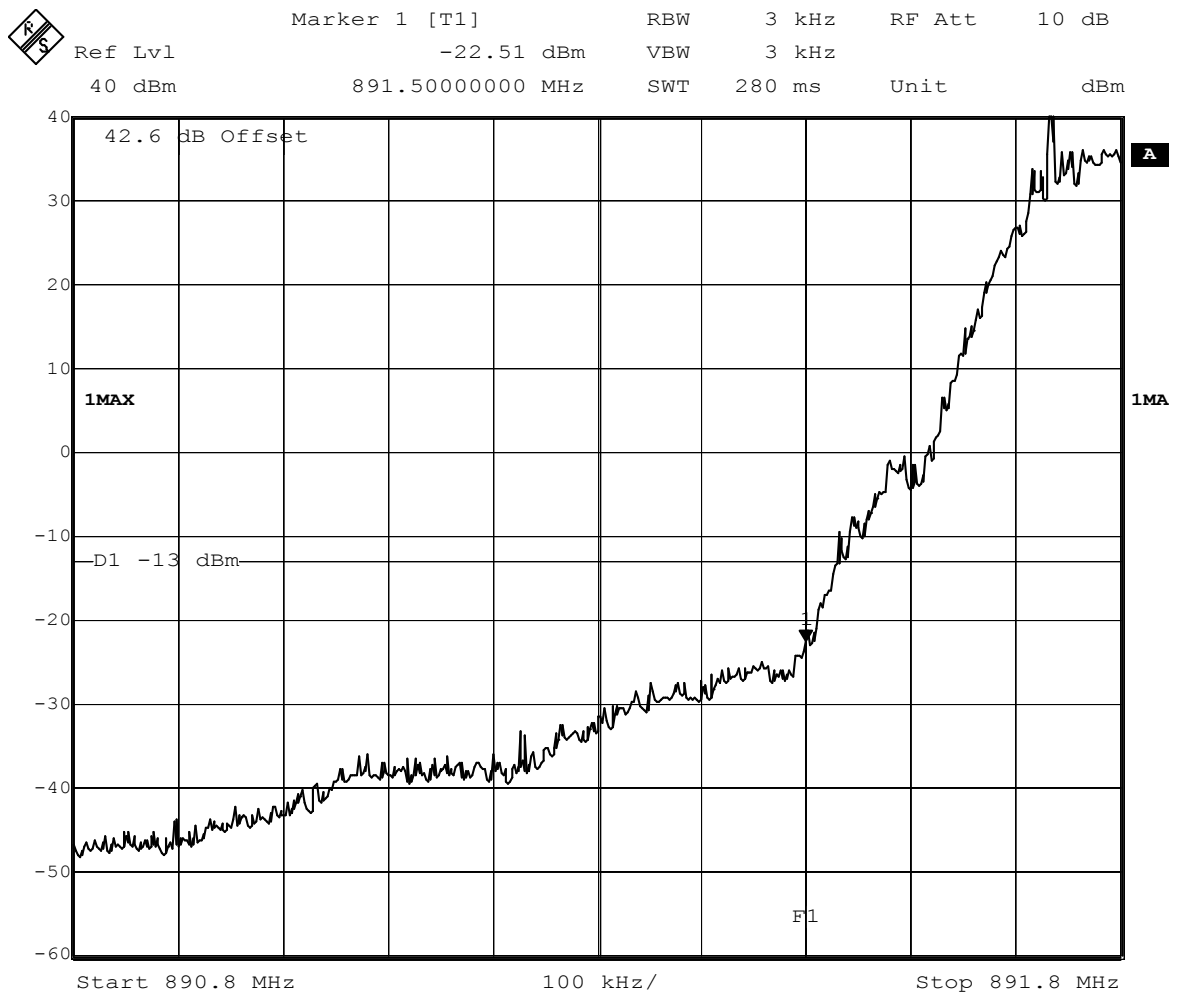
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Test Of: Ericsson AB.

KRC 131 1005/2 dTRU-8 Edge Transceiver Unit

To: FCC Part 22: 2001

GPH\44045JD01\011a
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Title: Testing for Ericsson AB. RBS 2206. FCC Part 22.917

Comment A: Ch241 OBW Block Edge. TCC Mode 49dBm Output Power. 8PSK Mode
. TX0+TX1

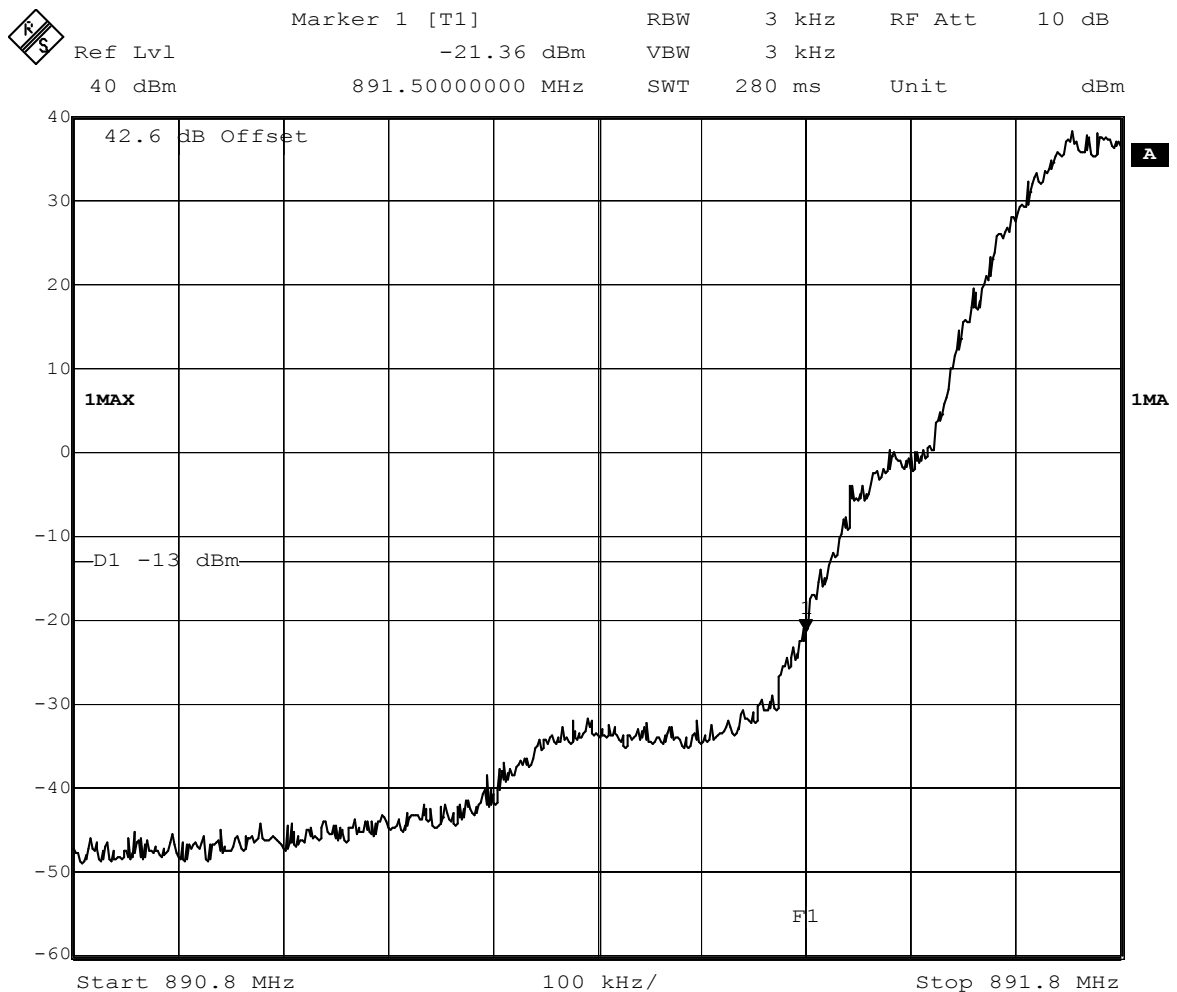
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KRC 131 1005/2 dTRU-8 Edge Transceiver Unit

To: FCC Part 22: 2001

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Title: Testing for Ericsson AB. RBS 2206. FCC Part 22.917

Comment A: Ch241 OBW Block Edge. TCC Mode 49dBm Output Power. GMSK Mode
. TX0+TX1

Date: 13.JAN.2003 13:55:39