



TEST REPORT FROM RADIO FREQUENCY INVESTIGATION LTD.

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)

To: FCC Part 24: 2003

Test Report Serial No:
RFI/MPTB2/RP46053JD01B

Supersedes Test Report Serial No:
RFI/MPTB1/RP46053JD01B

This Test Report Is Issued Under The Authority Of Richard Jacklin, Operations Director: 	Checked By: 
Tested By: 	Release Version No: PDF01
Issue Date: 13 May 2004	Test Dates: 24 March 2004 to 13 April 2004

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.

TEST REPORT

S.No. RFI/MPTB2/RP46053JD01B

Page 2 of 156

Issue Date: 13 May 2004

**Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)**
To: FCC Part 24: 2003

This page has been left intentionally blank.

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Table of Contents

1. Client Information.....	4
2. Equipment Under Test (EUT)	5
3. Test Specification, Methods And Procedures	13
4. Deviations From The Test Specification	15
5. Operation Of The EUT During Testing	16
6. Summary Of Test Results.....	17
7. Measurements, Examinations And Derived Results.....	18
8. Measurement Uncertainty	139
9. Measurement Methods	140
Appendix 1. Test Equipment Used	148
Appendix 2. Test Configuration Drawings	152

Test Report Serial No: RFI/MPTB2/RP46053JD01B

Supersedes Test Report Serial No: RFI/MPTB1/RP46053JD01B

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

1. Client Information

Company Name:	Ericsson AB.
Address:	Lindholmspiren 11 417 56 Göteborg Sweden
Contact Name:	Mr Pelle Hellberg Mr Jan-Olof Johansson

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

2. Equipment Under Test (EUT)

The following information has been supplied by the client:

2.1. Identification Of Equipment Under Test (EUT)

FCC ID: B5KCKRC1311004-2

No.	Unit	Model Number	Serial Number	Revision Number
1	RBS 2206 1900 MHz	SEB 112 1095/1	S763376978	R2B

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

No.	Unit	Model Number	Serial Number	Revision Number
1	RBS 2206 1900 MHz	SEB 112 1095/1	S76	PA6

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

Hardware List - Conducted Measurements at Mölndal

Unit	Model Number	Serial Number	Revision Number
Cabinet	SEB 112 1095/1	S763376978	R2B
IDM-01	BMG 980 06/1	T671029073	R2A
dTRU-19 EDGE	KRC 131 1004/2	AE50714984	R2C
dTRU-19 EDGE	KRC 131 1004/2	AE50714980	R2C
dTRU-19 EDGE	KRC 131 1004/2	AE50714986	R2C
dTRU-19 EDGE	KRC 131 1004/2	AE50760968	R2C
dTRU-19	KRC 131 1004/1	AE50726780	R6A
dTRU-19	KRC 131 1004/1	AE50774134	R6A
CXU-10	KRY 101 1856/1	A40003DB4G	R3A
CDU-G 19	BFL 119 153/1	TR40264547	R5F
CDU-G 19	BFL 119 153/1	TR40218896	R5F
CDU-G 19	BFL 119 153/1	TR40220006	R5F
PSU-AC	BML 231 202/1	A083060082	R2F
PSU-AC	BML 231 202/1	A082261664	R2F
PSU-AC	BML 231 202/1	A082261653	R2F
PSU-AC	BML 231 202/1	A082261630	R2F
DXU-21A	BOE 602 14/1	TU82833957	R13B

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Hardware List - Conducted Measurements at Mölndal (Continued)

Unit	Model Number	Serial Number	Revision Number
ACCU-01	BMG 980 07/1	S792086247	R1A
FCU-01	BGM 136 1001/2	A082763315	R2D
DC-FILTER-01	KFE 101 1145/1	TR20000189	R1A/A
Dummy	SXK 107 5031/2	S76	R1B
Dummy	SXK 107 5031/1	S76	R1B
Dummy	SXK 107 5029/1	S76	R1B
Dummy	SXK 107 5029/1	S76	R1B
Dummy	SXK 107 5029/1	S76	R1B
Dummy	SXK 107 5029/1	S76	R1B

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Hardware List - Radiated Measurements at Basingstoke

Unit	Model Number	Serial Number	Revision Number
CDU-G 1900	BFL 119153/1	TR40264563	R5F
CDU-G 1900	BFL 119 153/1	TR40263388	R5F
CDU-G 1900	BFL 119153/1	TR40263520	R5F
FCU-01	BGM 1361001/2	B991266272	R3A
dTRU-19 EDGE	KRC 131 1004/2	AE50751393	R2C
dTRU-19 EDGE	KRC 131 1004/2	AE5075 1341	R2C
dTRU-19 EDGE	KRC 131 1004/2	AE5076 0970	R2C
dTRU-19 EDGE	KRC 131 1004/2	AE5076 0971	R2C
dTRU-19	KRC 131 1004/1	AE5077 4135	R6A
dTRU-19	KRC 131 1004/1	AE5077 4136	R6A
PSU AC	BML 231 202/1	TL9263 9858	R3C
PSU AC	BML 231 202/1	TL9256 0848	R3C
PSU AC	BML 231 202/1	TL9256 4610	R3C
PSU AC	BML 231 202/1	TL9256 0828	R3C
DXU-21	BOE 60214/1	TU 8264 8269	R13B
ACU-01	BNG 98007/1	S7920 82061	R1A
DC-Filter-01	KFE 1011145/1	TR2100913	R1A/A

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

2.2. Description Of EUT

The equipment under test is a dTRU-19 EDGE transceiver unit configured in un-combined, combined and combined with TCC modes, operating in the GSM 1900 MHz band.

2.3. Modifications Incorporated In EUT

During the course of testing the EUT was not modified.

2.4. Additional Information Related To Testing

Power Supply Requirement:	24V DC		
Intended Operating Environment:	Within GSM Network Coverage		
Equipment Category:	Fixed (Base Station)		
Type of Unit:	GSM 1900 MHz Base Transceiver Station		
Interface Ports:	Telecommunication Line –T1 PCM x 4 (G703) TG SYNC – Synchronisation Interface 24 V DC Input DVT – RBS Master Control RF x 12		
Transmit Frequency Range	1930 MHz to 1990 MHz		
Transmit Channels Tested	Channel ID	Channel Number	Channel Frequency (MHz)
	8PSK	512	1930.2
	8PSK	513	1930.4
	8PSK	661	1960.0
	8PSK	809	1989.6
	8PSK	810	1989.8
Receive Frequency Range	1850 MHz to 1910 MHz		
Maximum Power Output	Without hybrid: + 45.1dBm With hybrid: + 41.4dBm With TCC: + 47.5dBm		

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

2.5. Support Equipment – Mölndal

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 R1G/A
Serial Number:	0000000222
FCC ID Number:	Not applicable
Cable Length And Type:	3 m, 9 pin, D Type, Shielded
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:	1.5 m, 9 Way, D Type
Connected to Port:	PC DVT
Cable Length And Type:	1.5 m, 9 Way, D Type
Connected to Port:	PC Ctrl
Cable Length And Type:	2 m, Mains Cable
Connected to Port:	AC Mains In

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Support Equipment – Mölndal (Continued)

Description:	Computer
Brand Name:	Compaq
Model Name or Number:	Evo
Serial Number:	CZC3230BNX
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:	5 m, 7 Way
Connected to Port:	Mouse
Cable Length And Type:	5 m, 7 Way
Connected to Port:	Keyboard

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

2.6.Support Equipment - Basingstoke

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

Description	Laptop
Brand Name	Compaq
Model Name or Number	EVO N 400 C
Serial Number	IJ23JTQT07N
Cable Length And Type	Standard Moulded RS232 2m
Connected to Port	PC Control on RBS Master

Description	3 Phase Generator / Controller
Brand Name	Monobloc
Model Name or Number	208 Volt 60Hz Controller
Serial Number	MONO//1
Cable Length And Type	2 x three core mains, 20m
Connected to Port	AC Power In on EUT

Description	Power Supply
Brand Name	Delta Elektronika
Model Name or Number	SM 3540-D
Serial Number	LABSUP//2
Cable Length And Type	2 Core 5m
Connected to Port	DC In on EUT

Description	Power Supply
Brand Name	Delta Elektronika
Model Name or Number	SM 3540-D
Serial Number	LABSUP//3
Cable Length And Type	2 Core 5m
Connected to Port	DC In on EUT

**Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)**
To: FCC Part 24: 2003

Support Equipment (Continued)

Description	RBS Master
Brand Name	Ericsson
Model Name or Number	RBS Master 2
Serial Number	0000000088
Cable Length And Type	4 x G703, 20m
Connected to Port	G703 ports on EUT

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

3. Test Specification, Methods And Procedures

3.1. Test Specification

Reference:	FCC Part 24: 2003 Subpart E (Broadband PCS)
Title:	Code of Federal Regulations, Part 24 (47CFR) Personal Communication Services.
Comments:	None.
Purpose of Test:	To determine whether the equipment complied with the requirements of the specification for the purposes of certification.

Reference:	FCC Part 2: 2003
Title:	Code of Federal Regulations, Part 2 (47CFR) Frequency allocations and radio treaty matters; General Rules and Regulations
Comments:	None.
Purpose of Test:	To determine whether the equipment complied with the requirements of the specification for the purposes of certification.

**Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)**
To: FCC Part 24: 2003

3.2. Methods And Procedures

The methods and procedures used were as detailed in:

47CFR: Part 24 (2003)

Title: Federal Communications Commission: Code of Federal Regulations 47:
Public Mobile Services.

47CFR: Part 2 (2003)

Title: Federal Communications Commission: Code of Federal Regulations 47:
Telecommunication

ANSI/TIA-603-B-2002

Land Mobile Communications Equipment, Measurements and performance Standards.

ANSI C63.2 (1996)

Title: American National Standard for Instrumentation - Electromagnetic noise and field strength.

ANSI C63.4 (2001)

Title: American National Standard Methods of Measurement of Electromagnetic
Emissions from Low Voltage Electrical and Electronic Equipment in the Range of 9 kHz to
40 GHz.

ANSI C63.5 (1998)

Title: American National Standard for the Calibration of antennas used for Radiated
Emission measurements in Electromagnetic Interference (EMI) control.

ANSI C63.7 (1988)

Title: American National Standard Guide for Construction of Open Area Test Sites for
performing Radiated Emission Measurements.

CISPR 16-1 (1999)

Title: Specification for radio disturbance and immunity measuring apparatus and
methods. Part 1. Radio disturbance and immunity measuring apparatus.

3.3. Definition Of Measurement Equipment

The measurement equipment used complied with the requirements of the standards
referenced in the Methods and Procedures section above. Appendix 1 contains a list of
the test equipment used.

RADIO FREQUENCY INVESTIGATION LTD.

TEST REPORT

S.No: RFI/MPTB2/RP46053JD01B

Page 15 of 156

Issue Date: 13 May 2004

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

4. Deviations From The Test Specification

None

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

5. Operation Of The EUT During Testing

5.1. Operating Conditions

During testing, the EUT was powered by three parallel-connected DC power supplies in order to generate 24V at the RBS 2206. The EUT was tested in a normal laboratory environment.

5.2. Operating Modes

The EUT was tested in the following operating modes, unless otherwise stated.

The EUT was operated in 8PSK modulation mode.

The cabinet is populated with six dTru's (double transceiver unit), 4 that support 8PSK and GMSK modulation, (EUT) and 2 only supporting GMSK modulations, which are used as interferers. Each dTru has 2 transmitter outputs and TX0 and TX1 were tested. All transmitters are identical with regards to operating modes. The cabinet is configured so that two dTRU's are routed through one CDU-G 19.

Frequency Stability was performed without hybrid and with TX0 and TX1 chosen to represent the potential path differences between transceivers routed through the CDU-G 19 unit.

Occupied Bandwidth and Band Edge testing were performed without hybrid and in TCC mode and with TX0 and TX1 chosen to represent the potential path differences between transceivers routed through the CDU-G 19 unit.

Modulation Characteristics were only performed without hybrid on TX0 and TX1.

Carrier Output Power, Spurious Emissions and Intermodulation Characteristics were performed without hybrid, with hybrid and in TCC mode on 2 transceivers, TX0 and TX1.

Transmitters TX0 and TX1 are identical in all respects. Testing was performed on these specified TXs to show that they were indeed identical.

Tests were performed on bottom (512), middle (661) and top (810) channels unless stated otherwise for each measurement.

The ARFCNs tested at Band Edges needed to have their power levels reduced in order to fulfil the requirements. The ARFCNs adjacent to these channels were also tested to show that the requirements were met for these ARFCNs at full output power.

5.3. Configuration And Peripherals

The EUT was tested in the following configuration:

As a standalone 12 TRX un-combined, combined and combined in TCC mode RBS 2206 base transceiver station.

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

6. Summary Of Test Results

Range Of Measurements	Specification Reference	Port Type	Compliance Status
Transmitter Carrier Output Power	Part 2 of CFR 47: 2003, Section 2.1046(a)	Antenna Terminals	Complied
Transmitter Modulation Characteristics	Part 2 of CFR 47: 2003, Section 2.1047	Antenna Terminals	Complied
Transmitter Frequency Stability (Temperature Variation)	Part 2 & 24 of CFR 47: 2003, Section 2.1055/24.235	Antenna Terminals	Complied
Transmitter Frequency Stability (Voltage Variation)	Part 2 & 24 of CFR 47: 2003, Section 2.1055/24.235	Antenna Terminals	Complied
Transmitter Occupied Bandwidth	Part 2 & 24 of CFR 47: 2003 Sections 2.1049/24.238	Antenna Terminals	Complied
Transmitter Conducted Out of Band Emissions	Part 2 & 24 of CFR 47: 2003 Sections 2.1051/24.238	Antenna Terminals	Complied
Transmitter Conducted Inband Intermodulation	Part 2 & 24 of CFR 47: 2003 Sections 2.1051/24.238	Antenna Terminals	Complied
Transmitter Conducted Emissions at Band Edges	Part 2 & 24 of CFR 47: 2003 Section 2.1051/24.238	Antenna Terminals	Complied
Electric Field Strength, Spurious Emissions (30 MHz to 20.0 GHz)	Part 2 & 24 of CFR 47: 2003 Section 2.1053/24.238	Enclosure	Complied

6.1. Location Of Tests

All the measurements described in this report were performed at the premises of Ericsson AB, Flöjelbergsgatan 2A, Mölndal, SE-431 84, Sweden and Radio Frequency Investigation Ltd, Ewhurst Park, Ramsdell, Basingstoke, Hampshire, RG26 5RQ, England.

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

7. Measurements, Examinations And Derived Results

7.1. General Comments

7.1.1. This section contains test results only. Details of the test methods and procedures can be found in section 9 of this report.

7.1.2. Measurement uncertainties are evaluated in accordance with current best practice. Our reported expanded uncertainties are based on standard uncertainties, which are multiplied by an appropriate coverage factor to provide a statistical confidence level of approximately 95%. Please refer to Section 8 for details of measurement uncertainties.

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

7.2. Transmitter Carrier Output Power: Section 2.1046 (a)

7.2.1. The EUT was configured as for Conducted Carrier Output Power Measurements testing as described in Section 9 of this report.

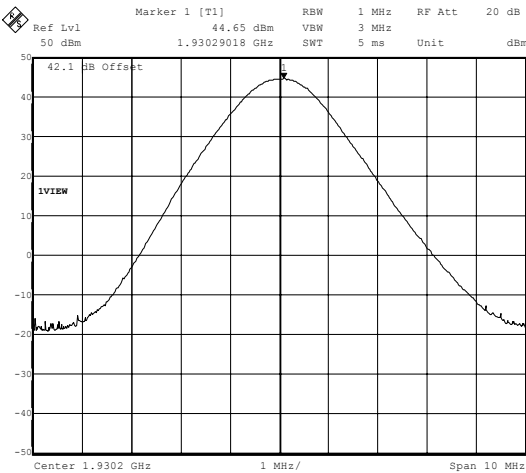
7.2.2. Tests were performed to identify the maximum transmit power in accordance with FCC Part 2.1046(a) for conducted power, with reference to TIA_EIA_603B.

Without hybrid:**8PSK – TX0:****Results:**

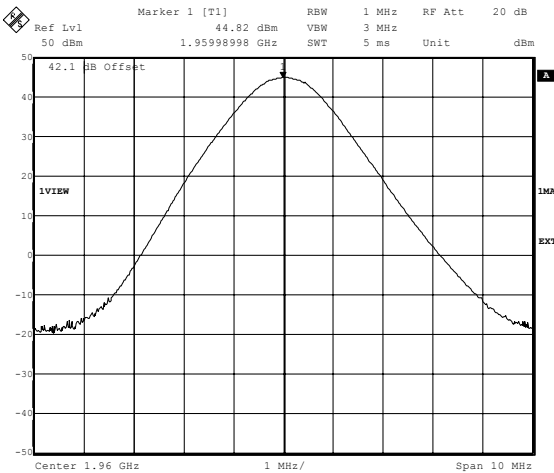
Channel	Frequency (MHz)	Level (dBm)
Bottom	1930.29018	44.7
Middle	1959.98998	44.8
Top	1989.76994	44.7

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

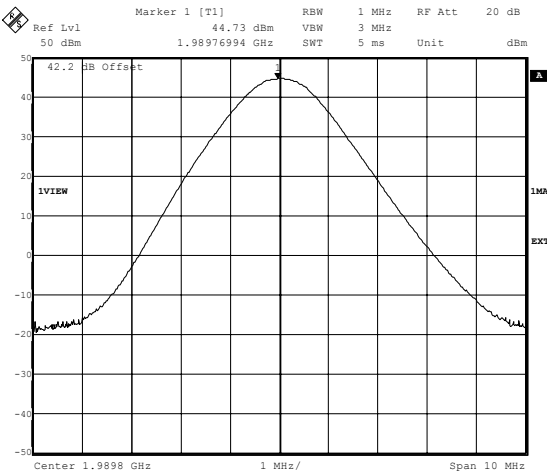
Transmitter Carrier Output Power: Section 2.1046 (a) (Continued)



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch512. Output Power. Without hybrid. 8PSK TX0. +41.5dBm
FCC Part 2.1046(a)
Date: 30.MAR.2004 09:11:52



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch661. Output Power. Without hybrid. 8PSK TX0. +41.5dBm
FCC Part 2.1046(a)
Date: 30.MAR.2004 09:13:55



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch810. Output Power. Without hybrid. 8PSK TX0. +41.5dBm
FCC Part 2.1046(a)
Date: 30.MAR.2004 09:15:20

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Carrier Output Power: Section 2.1046 (a) (Continued)

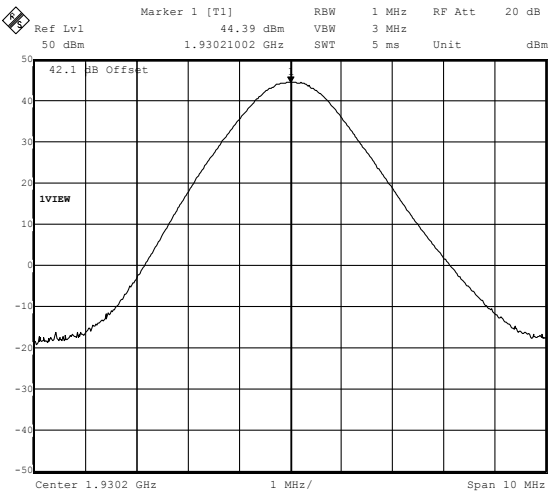
8PSK – TX1:

Results:

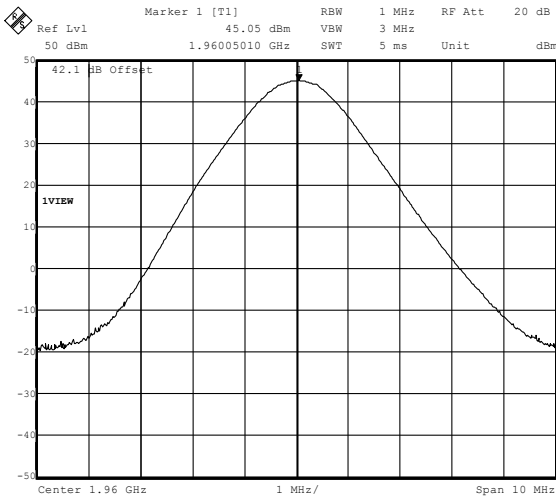
Channel	Frequency (MHz)	Level (dBm)
Bottom	1930.21002	44.4
Middle	1960.05010	45.1
Top	1989.81002	44.6

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

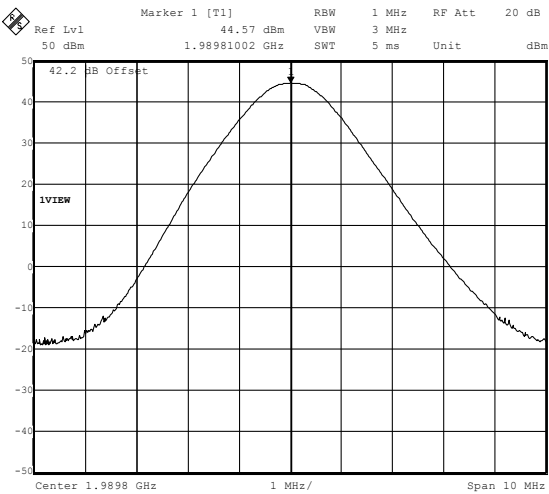
Transmitter Carrier Output Power: Section 2.1046 (a) (Continued)



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch512. Output Power. Without hybrid. 8PSK TX1. +41.5dBm
FCC Part 2.1046(a)
Date: 30.MAR.2004 09:19:35



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch661. Output Power. Without hybrid. 8PSK TX1. +41.5dBm
FCC Part 2.1046(a)
Date: 30.MAR.2004 09:25:22



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch810. Output Power. Without hybrid. 8PSK TX1. +41.5dBm
FCC Part 2.1046(a)
Date: 30.MAR.2004 09:26:47

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Carrier Output Power: Section 2.1046 (a) (Continued)

With hybrid:

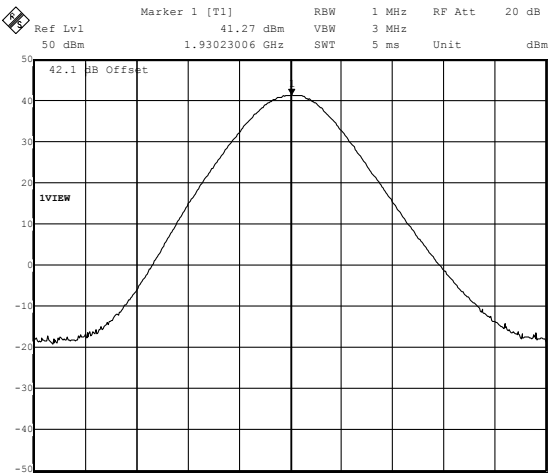
8PSK – TX0:

Results:

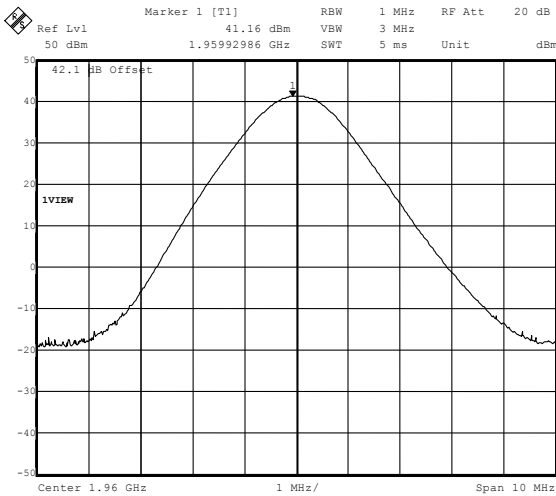
Channel	Frequency (MHz)	Level (dBm)
Bottom	1930.23006	41.3
Middle	1959.92986	41.2
Top	1989.83006	41.2

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

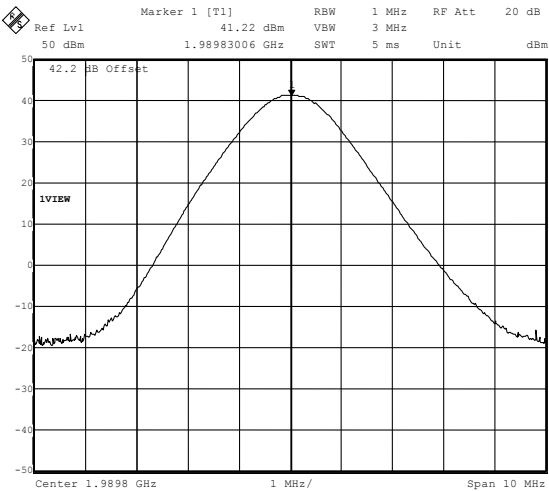
Transmitter Carrier Output Power: Section 2.1046 (a) (Continued)



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch512. Output Power. With hybrid. 8PSK TX0. +38.2dBm
FCC Part 2.1046(a)
Date: 30.MAR.2004 10:24:29



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch661. Output Power. With hybrid. 8PSK TX0. +38.2dBm
FCC Part 2.1046(a)
Date: 30.MAR.2004 10:32:19



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch810. Output Power. With hybrid. 8PSK TX0. +38.2dBm
FCC Part 2.1046(a)
Date: 30.MAR.2004 10:39:00

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Carrier Output Power: Section 2.1046 (a) (Continued)

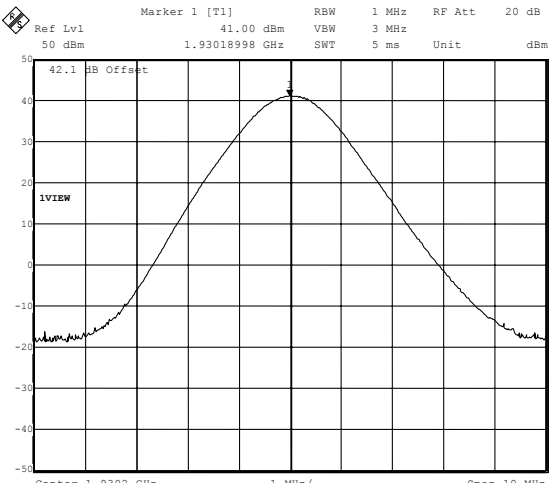
8PSK – TX1:

Results:

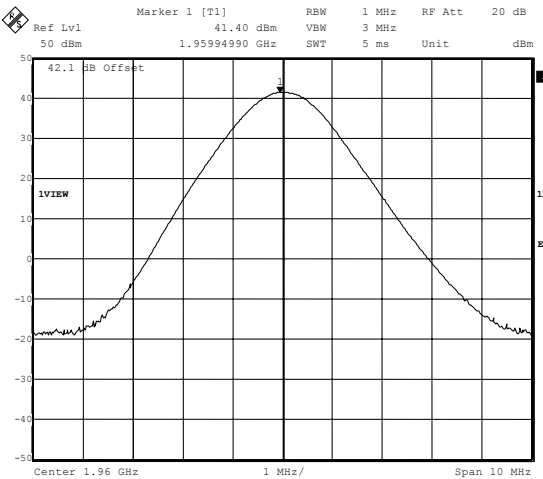
Channel	Frequency (MHz)	Level (dBm)
Bottom	1930.18998	41.0
Middle	1959.94990	41.4
Top	1989.81002	41.0

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

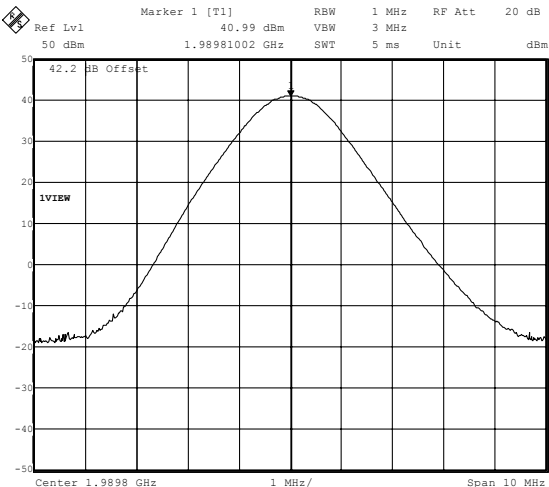
Transmitter Carrier Output Power: Section 2.1046 (a) (Continued)



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch512. Output Power. With hybrid. 8PSK TX1. +38.2dBm
FCC Part 2.1046(a)
Date: 30.MAR.2004 11:24:18



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch661. Output Power. With hybrid. 8PSK TX1. +38.2dBm
FCC Part 2.1046(a)
Date: 30.MAR.2004 12:24:27



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch810. Output Power. With hybrid. 8PSK TX1. +38.2dBm
FCC Part 2.1046(a)
Date: 30.MAR.2004 12:27:37

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Carrier Output Power: Section 2.1046 (a) (Continued)

With TCC:

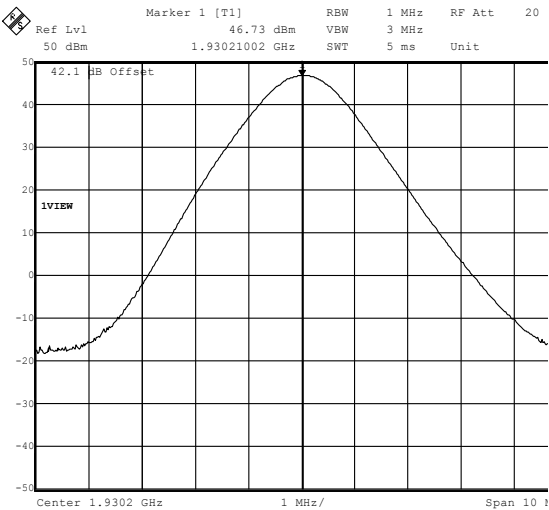
8PSK – TX0&TX1:

Results:

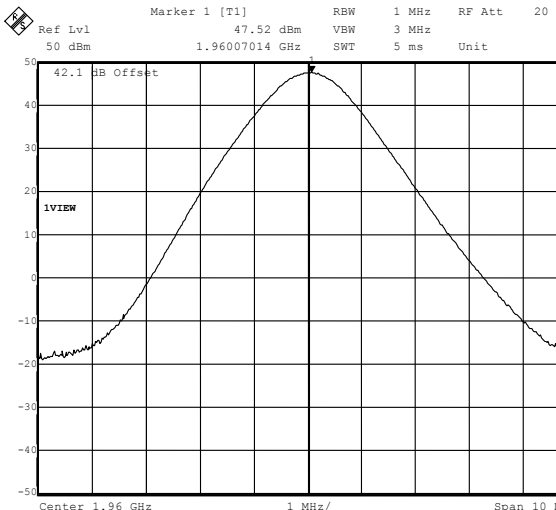
Channel	Frequency (MHz)	Level (dBm)
Bottom	1930.21002	46.7
Middle	1960.07014	47.5
Top	1989.83006	47.1

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

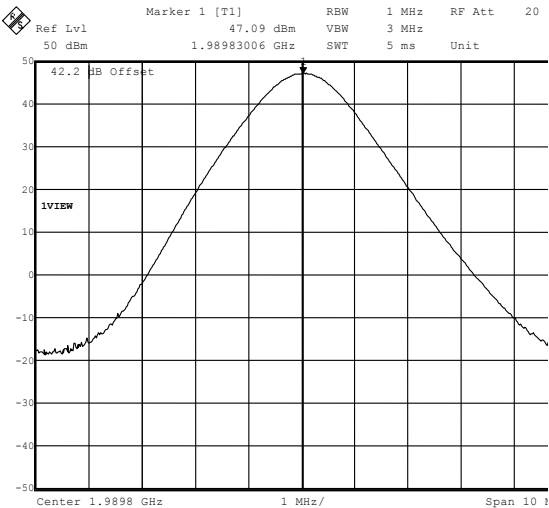
Transmitter Carrier Output Power: Section 2.1046 (a) (Continued)



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch512. Output Power. With TCC. 8PSK TX0+TX1. +44.2dBm
FCC Part 2.1046(a)
Date: 30.MAR.2004 14:17:34



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch661. Output Power. With TCC. 8PSK TX0+TX1. +44.2dBm
FCC Part 2.1046(a)
Date: 30.MAR.2004 14:19:12



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch810. Output Power. With TCC. 8PSK TX0+TX1. +44.2dBm
FCC Part 2.1046(a)
Date: 30.MAR.2004 14:20:59

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

7.3. Transmitter Modulation Characteristics: Section 2.1047

7.3.1. The EUT was configured as for Modulation Characteristics testing as described in Section 9 of this report.

7.3.2. Tests were performed to identify the modulation characteristics in accordance with FCC Part 2.1047, with reference to TIA_EIA_603B.

Without hybrid:

Results: 8PSK – TX0&TX1: Middle Channel

8PSK	EVM (% RMS)	
	TX0	TX1
EVM	3.49	3.52
Max EVM	3.52	

8PSK	Origin Offset (dBc)	
	TX0	TX1
Origin Offset	-40.03	-39.48
Max OO	-39.48	

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

7.4. Transmitter Frequency Stability (Temperature Variation): Section 24.235

7.4.1. The EUT was configured as for frequency stability measurements as described in Section 9 of this report.

7.4.2. Tests were performed to identify the maximum frequency error of the EUT with variations in ambient temperature.

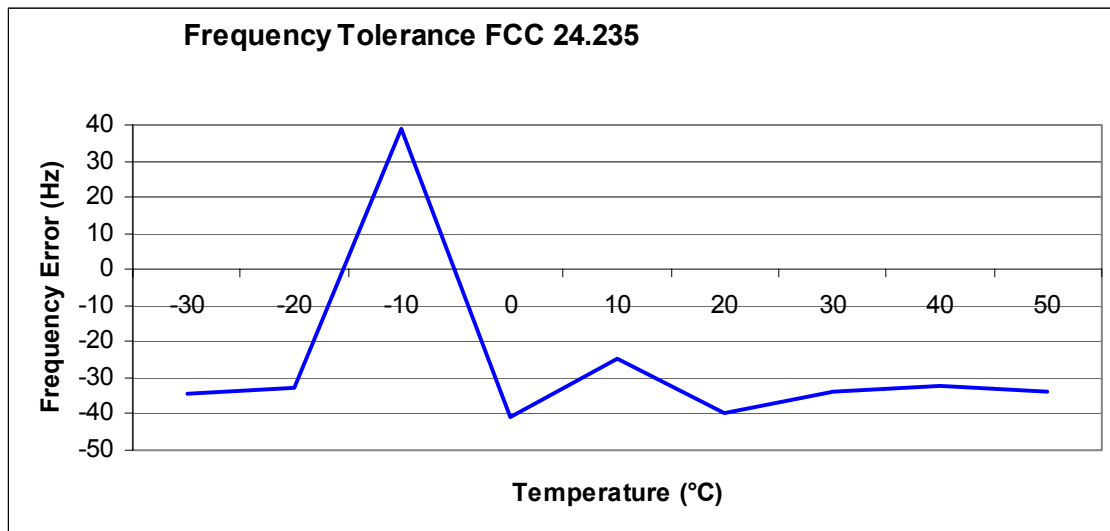
Without hybrid:

Results: 8PSK – TX0

Channel: 512 (1930.2 MHz)

Temperature (°C)	Measured Frequency (MHz)	Lower Band Edge Limit (MHz)	Frequency Error (Hz)	Margin (MHz)	Result
-30	1930.19996558	1930.0	-34.42	0.19996558	Complied
-20	1930.19996739	1930.0	-32.61	0.19996739	Complied
-10	1930.20003907	1930.0	39.07	0.20003907	Complied
0	1930.19995913	1930.0	-40.87	0.19995913	Complied
10	1930.19997533	1930.0	-24.67	0.19997533	Complied
20	1930.19996035	1930.0	-39.65	0.19996035	Complied
30	1930.19996616	1930.0	-33.84	0.19996616	Complied
40	1930.19996778	1930.0	-32.22	0.19996778	Complied
50	1930.19996598	1930.0	-34.02	0.19996598	Complied

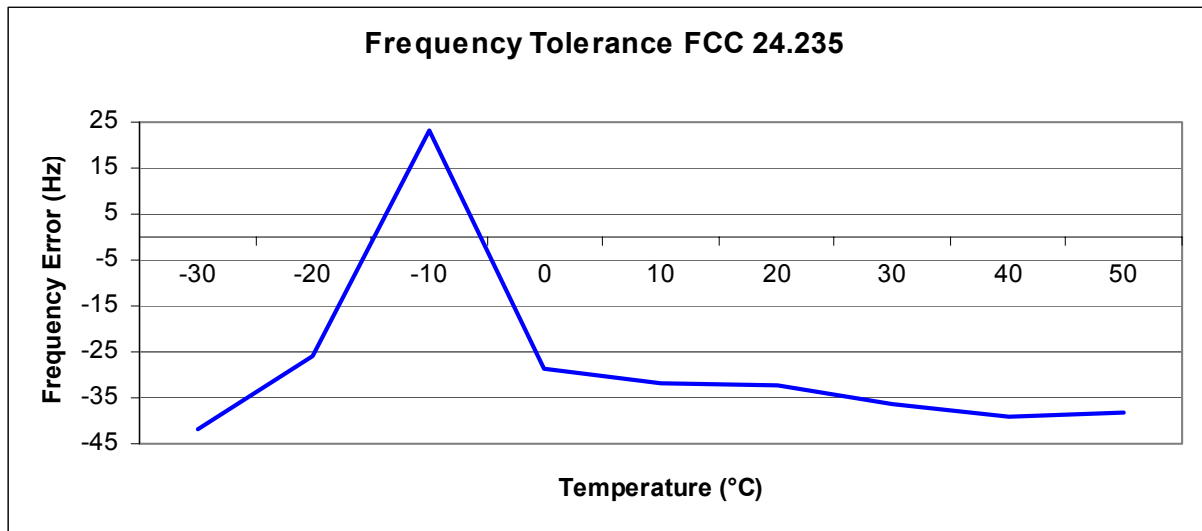
Frequency Variation From 1930.2 MHz



Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Frequency Stability (Temperature Variation): Section 24.235 (Continued)**Results: 8PSK-TX0****Channel: 810 (1989.8 MHz)**

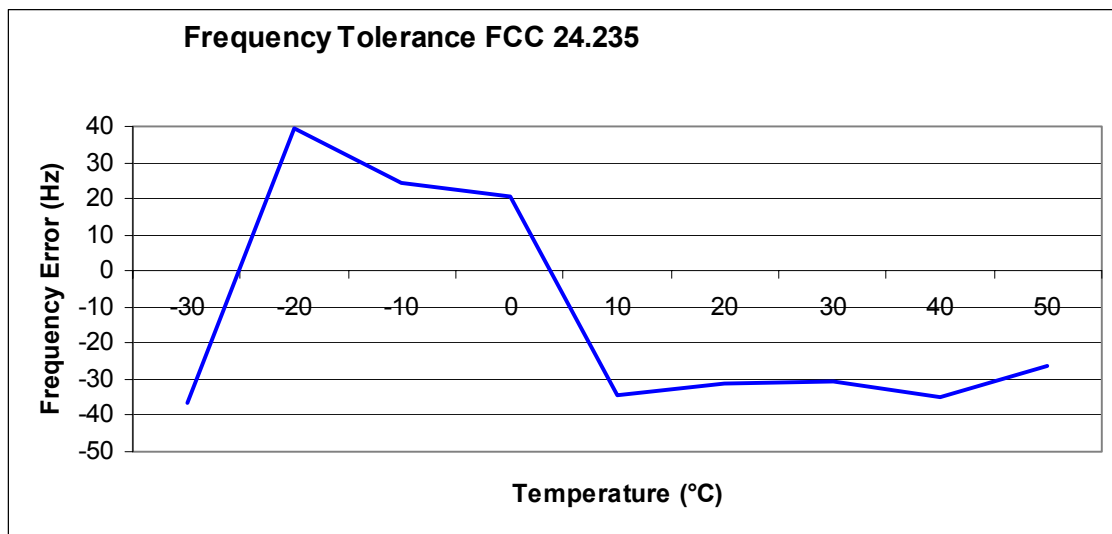
Temperature (°C)	Measured Frequency (MHz)	Upper Band Edge Limit (MHz)	Frequency Error (Hz)	Margin (MHz)	Result
-30	1989.79995816	1990.0	-41.84	0.20004184	Complied
-20	1989.79997411	1990.0	-25.89	0.20002589	Complied
-10	1989.80002325	1990.0	23.25	0.19997675	Complied
0	1989.79997114	1990.0	-28.86	0.20002886	Complied
10	1989.79996830	1990.0	-31.70	0.20003170	Complied
20	1989.79996752	1990.0	-32.48	0.20003248	Complied
30	1989.79996352	1990.0	-36.48	0.20003648	Complied
40	1989.79996080	1990.0	-39.20	0.20003920	Complied
50	1989.79996190	1990.0	-38.10	0.20003810	Complied

Frequency Variation From 1989.8 MHz

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Frequency Stability (Temperature Variation): Section 24.235 (Continued)**Results: 8PSK-TX1****Channel: 512 (1930.2 MHz)**

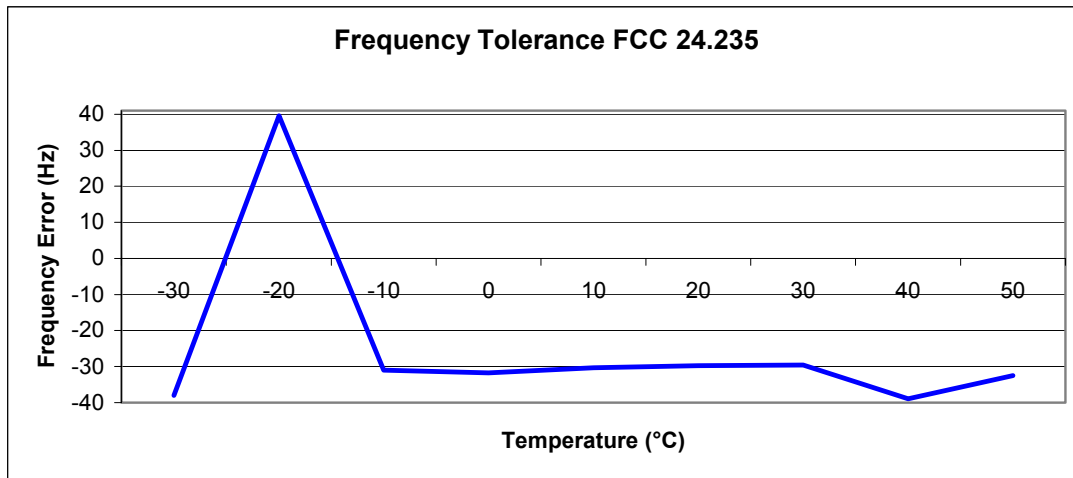
Temperature (°C)	Measured Frequency (MHz)	Lower Band Edge Limit (MHz)	Frequency Error (Hz)	Margin (MHz)	Result
-30	1930.19996372	1930.0	-36.28	0.19996372	Complied
-20	1930.20003925	1930.0	39.25	0.20003925	Complied
-10	1930.20002460	1930.0	24.60	0.20002460	Complied
0	1930.20002060	1930.0	20.60	0.20002060	Complied
10	1930.19996578	1930.0	-34.22	0.19996578	Complied
20	1930.19996868	1930.0	-31.32	0.19996868	Complied
30	1930.19996946	1930.0	-30.54	0.19996946	Complied
40	1930.19996507	1930.0	-34.93	0.19996507	Complied
50	1930.19997346	1930.0	-26.54	0.19997346	Complied

Frequency Variation From 1930.2 MHz

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Frequency Stability (Temperature Variation): Section 24.235 (Continued)**Results: 8PSK-TX1****Channel: 810 (1989.8 MHz)**

Temperature (°C)	Measured Frequency (MHz)	Upper Band Edge Limit (MHz)	Frequency Error (Hz)	Margin (MHz)	Result
-30	1989.79996203	1990.0	-37.97	0.20003797	Complied
-20	1989.80003958	1990.0	39.58	0.19996042	Complied
-10	1989.79996901	1990.0	-30.99	0.20003099	Complied
0	1989.79996823	1990.0	-31.77	0.20003177	Complied
10	1989.79996972	1990.0	-30.28	0.20003028	Complied
20	1989.79997023	1990.0	-29.77	0.20002977	Complied
30	1989.79997043	1990.0	-29.57	0.20002957	Complied
40	1989.79996106	1990.0	-38.94	0.20003894	Complied
50	1989.79996752	1990.0	-32.48	0.20003248	Complied

Frequency Variation From 1989.8 MHz

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

7.5. Transmitter Frequency Stability (Voltage Variation): Section 24.235

7.5.1. The EUT was configured as for frequency stability measurements as described in section 9 of this report.

7.5.2. Tests were performed to identify the maximum frequency error of the EUT with variations in nominal operating voltage.

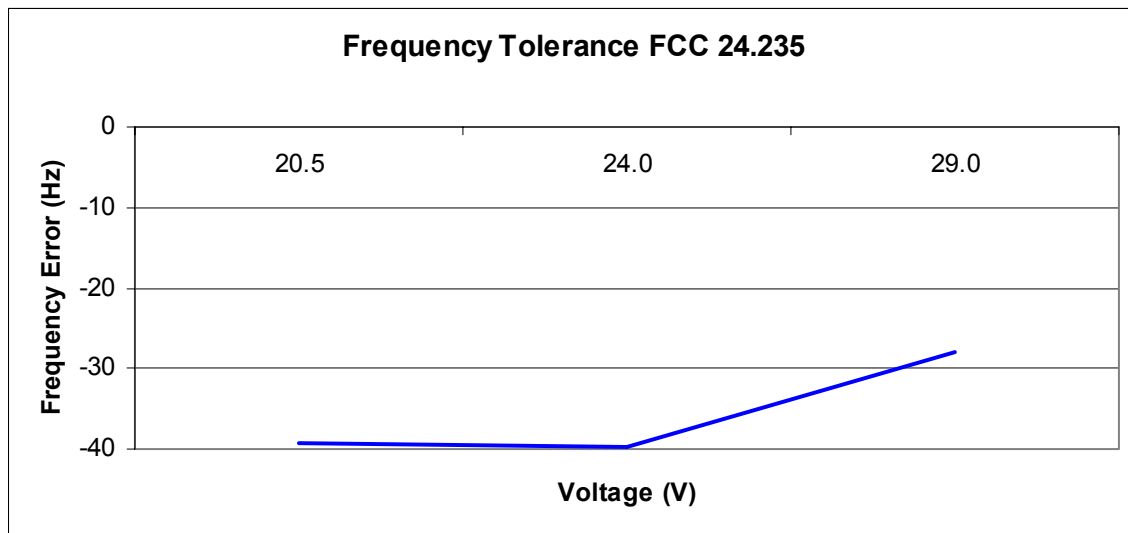
Without hybrid:

Results: 8PSK – TX0

Channel: 512 (1930.2 MHz)

Supply Voltage (Vdc)	Measured Frequency (MHz)	Lower Band Edge Limit (MHz)	Frequency Error (Hz)	Margin from Band Edge (MHz)	Result
20.5	1930.19996068	1930.0	-39.32	0.19996068	Complied
24.0	1930.19996035	1930.0	-39.65	0.19996035	Complied
29.0	1930.19997198	1930.0	-28.02	0.19997198	Complied

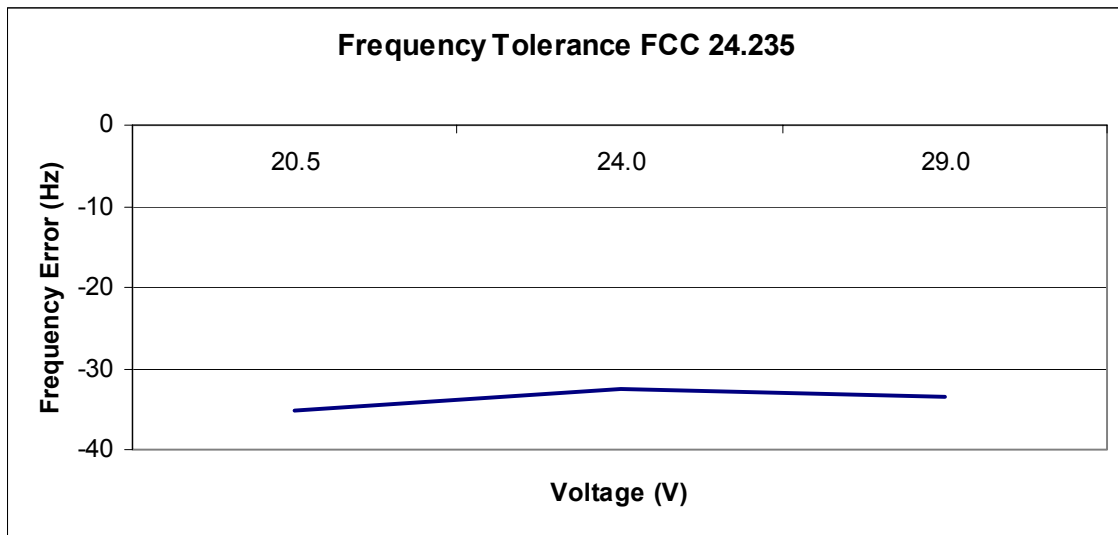
Frequency Variation From 1930.2 MHz



Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Frequency Stability (Voltage Variation): Section 24.235 (Continued)**Results: 8PSK – TX0****Channel: 810 (1989.8 MHz)**

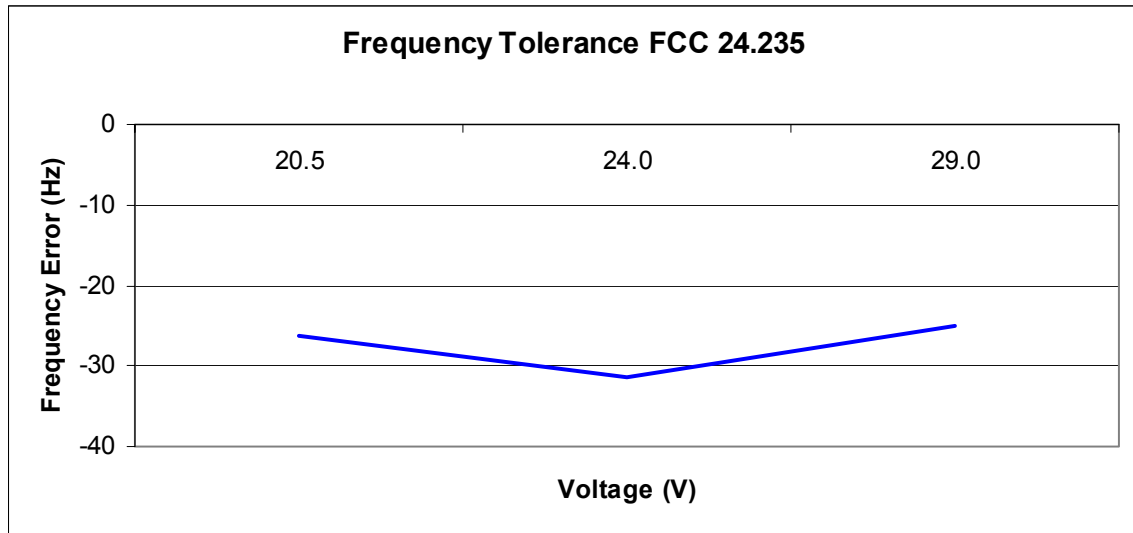
Supply Voltage (Vdc)	Measured Frequency (MHz)	Upper Band Edge Limit (MHz)	Frequency Error (Hz)	Margin from Band Edge (MHz)	Result
20.5	1989.79996474	1990.0	-35.26	0.20003526	Complied
24.0	1989.79996752	1990.0	-32.48	0.20003248	Complied
29.0	1989.79996642	1990.0	-33.58	0.20003358	Complied

Frequency Variation From 1989.8 MHz

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Frequency Stability (Voltage Variation): Section 24.235 (Continued)**Results: 8PSK – TX1****Channel: 512 (1930.2 MHz)**

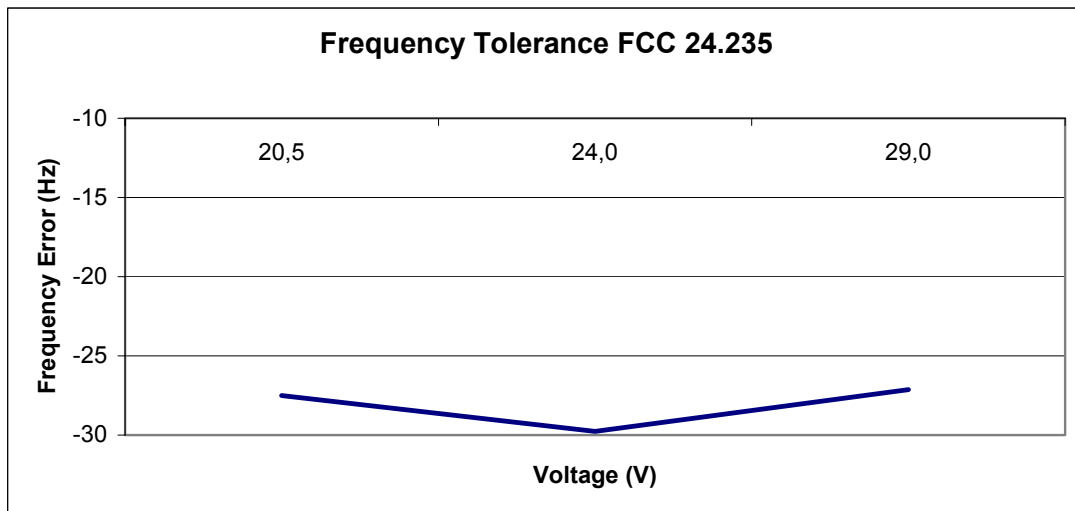
Supply Voltage (Vdc)	Measured Frequency (MHz)	Lower Band Edge Limit (MHz)	Frequency Error (Hz)	Margin from Band Edge (MHz)	Result
20.5	1930.19997365	1930.0	-26.35	0.19997365	Complied
24.0	1930.19996868	1930.0	-31.32	0.19996868	Complied
29.0	1930.19997488	1930.0	-25.12	0.19997488	Complied

Frequency Variation From 1930.2 MHz

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Frequency Stability (Voltage Variation): Section 24.235 (Continued)**Results: 8PSK – TX1****Channel: 810 (1989.8 MHz)**

Supply Voltage (Vdc)	Measured Frequency (MHz)	Upper Band Edge Limit (MHz)	Frequency Error (Hz)	Margin from Band Edge (MHz)	Result
20.5	1989.79997249	1990.0	-27.51	0.20002751	Complied
24.0	1989.79997023	1990.0	-29.77	0.20002977	Complied
29.0	1989.79997288	1990.0	-27.12	0.20002712	Complied

Frequency Variation From 1989.8 MHz

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

7.6. Transmitter Occupied Bandwidth: Section 2.1049(i)

7.6.1. The EUT was configured as for Occupied Bandwidth measurements as described in Section 9 of this report.

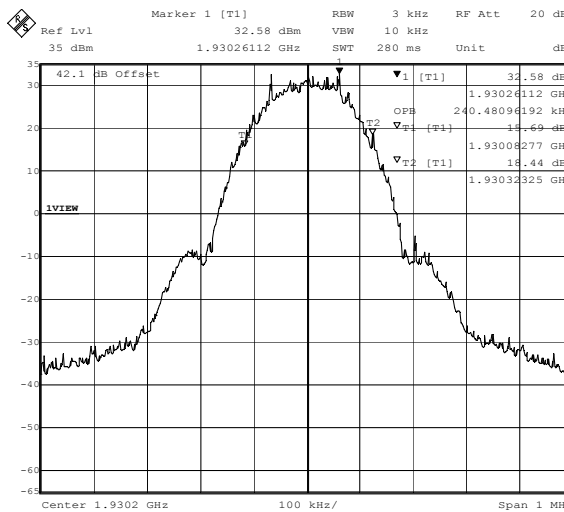
7.6.2. Tests were performed to identify the maximum bandwidth occupied by the fundamental frequency of the EUT

Without hybrid:

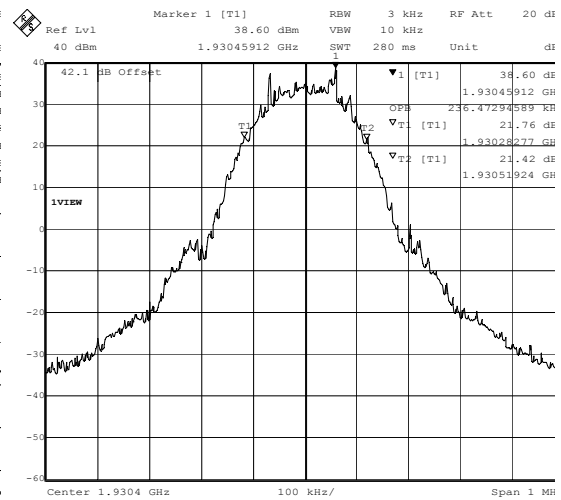
Results: 8PSK – TX0 and TX1

TX	Channel	Frequency (MHz)	Resolution Bandwidth (kHz)	Video Bandwidth (kHz)	Occupied Bandwidth (kHz)
TX0	512	1930.26112	3	10	240.481
TX0	513	1930.45912	3	10	236.473
TX0	809	1989.53287	3	10	236.473
TX0	810	1989.80902	3	10	238.477
TX1	512	1930.20301	3	10	240.481
TX1	513	1930.33287	3	10	234.469
TX1	809	1989.65912	3	10	238.477
TX1	810	1989.81303	3	10	242.485

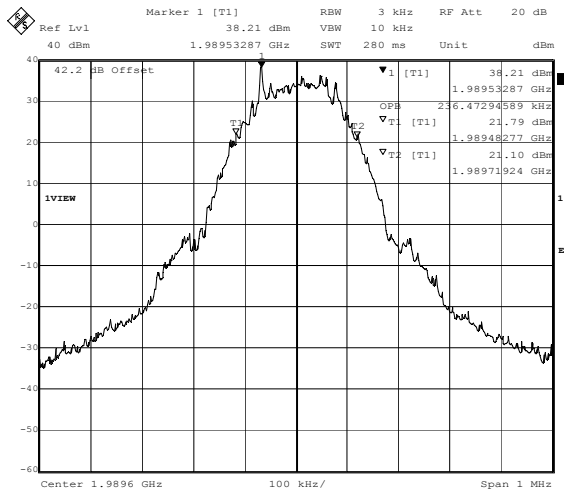
Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Occupied Bandwidth: Section 2.1049(i) (Continued)

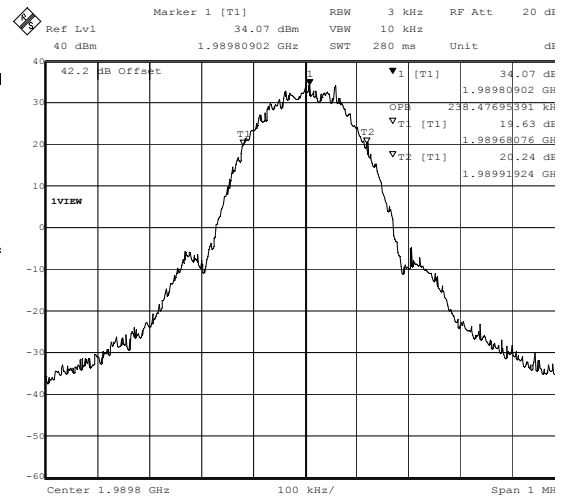
Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch512. +35.5dBm. OBW 99% Occupied Bandwidth. Without hybrid.
8PSK TX0. FCC Part 2.1049.
Date: 2.APR.2004 10:21:53



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch513. +41.5dBm. OBW 99% Occupied Bandwidth. Without hybrid.
8PSK TX0. FCC Part 2.1049.
Date: 31.MAR.2004 16:56:22



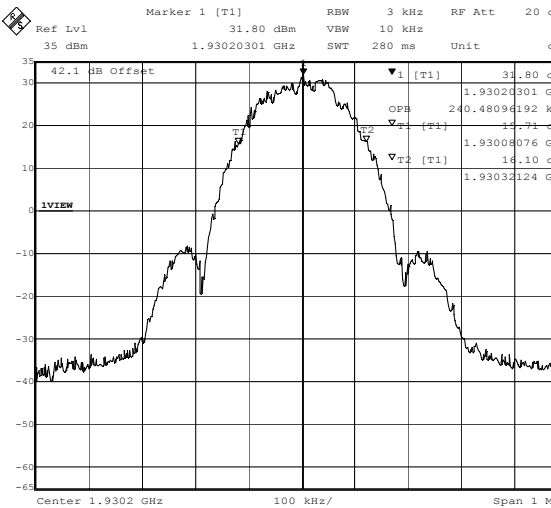
Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch809. +41.5dBm. OBW 99% Occupied Bandwidth. Without hybrid.
8PSK TX0. FCC Part 2.1049.
Date: 31.MAR.2004 16:59:10



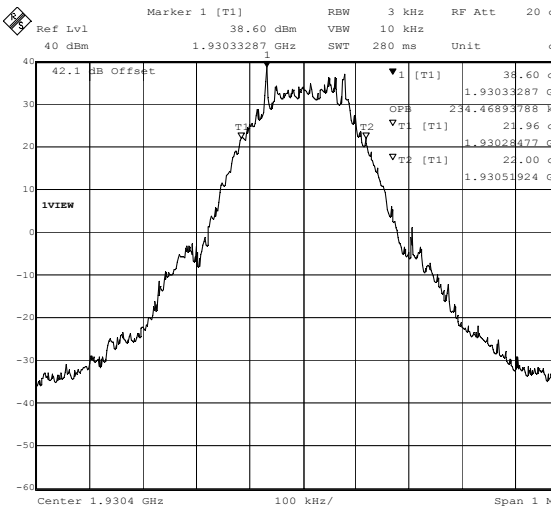
Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch810. +37.5dBm. OBW 99% Occupied Bandwidth. Without hybrid.
8PSK TX0. FCC Part 2.1049.
Date: 2.APR.2004 10:42:52

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

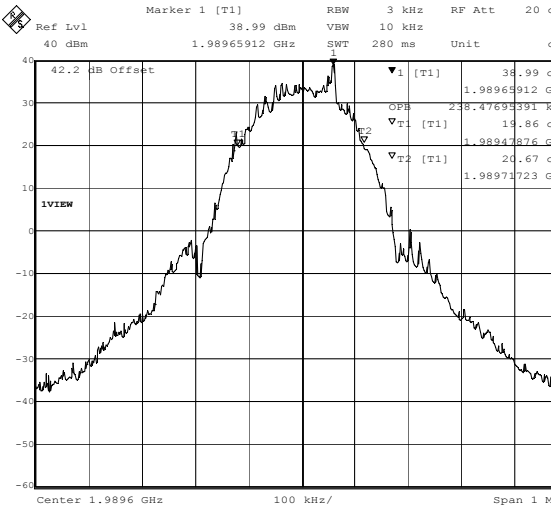
Transmitter Occupied Bandwidth: Section 2.1049(i) (Continued)



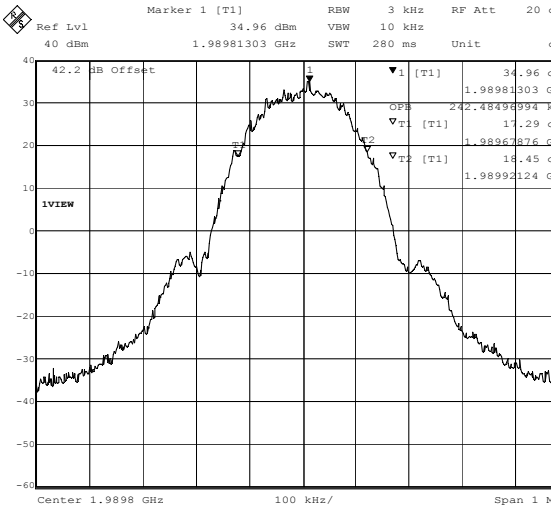
Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch512. +35.5dBm. OBW 99% Occupied Bandwidth. Without hybrid.
8PSK TX1. FCC Part 2.1049.
Date: 2.APR.2004 11:21:56



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch513. +41.5dBm. OBW 99% Occupied Bandwidth. Without hybrid.
8PSK TX1. FCC Part 2.1049.
Date: 31.MAR.2004 17:04:58



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch809. +41.5dBm. OBW 99% Occupied Bandwidth. Without hybrid.
8PSK TX1. FCC Part 2.1049.
Date: 31.MAR.2004 17:03:17



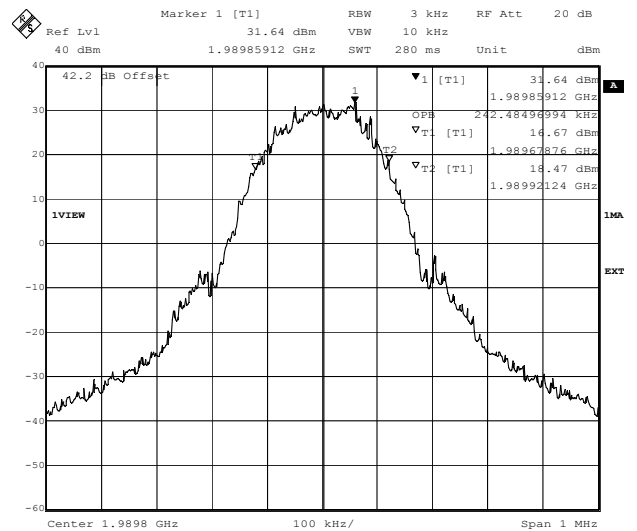
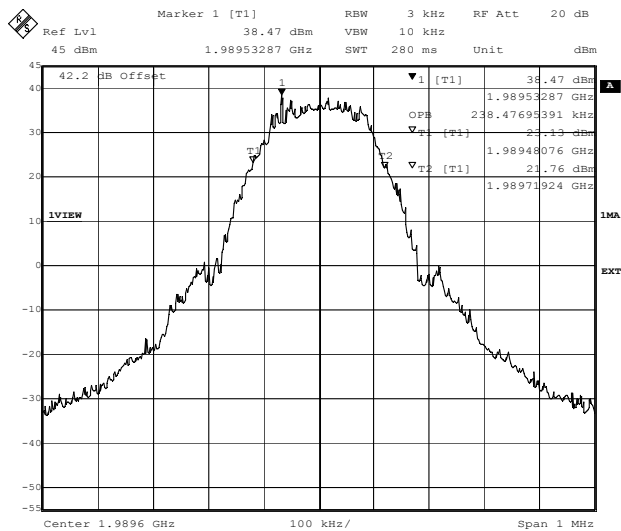
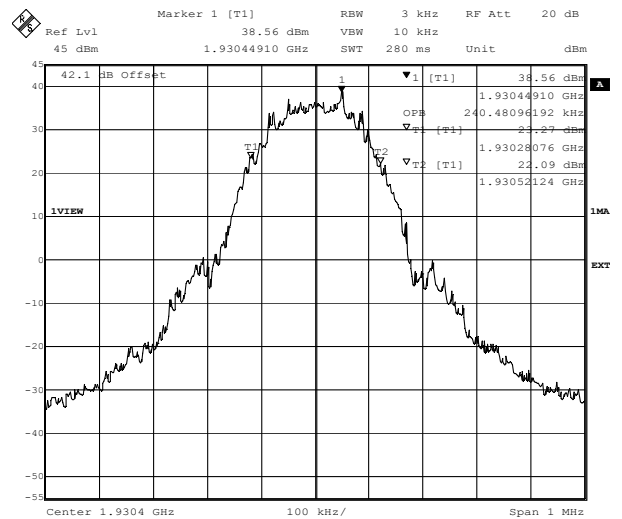
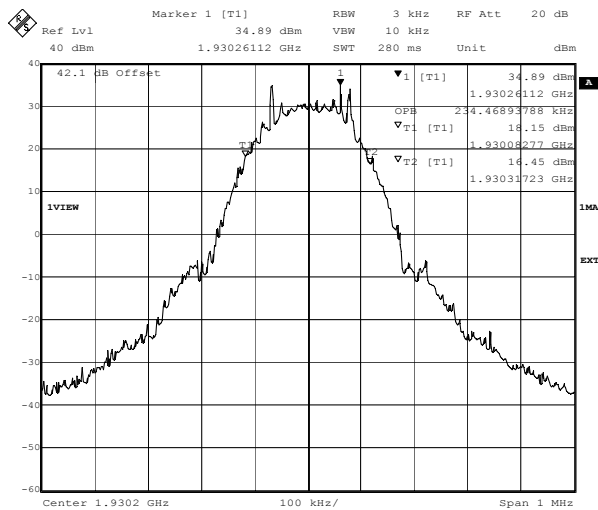
Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch810. +37.5dBm. OBW 99% Occupied Bandwidth. Without hybrid.
8PSK TX1. FCC Part 2.1049.
Date: 2.APR.2004 13:26:40

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Occupied Bandwidth: Section 2.1049(i) (Continued)**With TCC:****Results: 8PSK – TX0 and TX1**

TX	Channel	Frequency (MHz)	Resolution Bandwidth (kHz)	Video Bandwidth (kHz)	Occupied Bandwidth (kHz)
TX0/TX1	512	1930.26112	3	10	234.469
TX0/TX1	513	1930.44910	3	10	240.481
TX0/TX1	809	1989.53287	3	10	238.477
TX0/TX1	810	1989.85912	3	10	242.485

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Occupied Bandwidth: Section 2.1049(i) (Continued)

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

7.7. Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a)

7.7.1. The EUT was configured as for conducted emissions testing as described in Section 9 of this report.

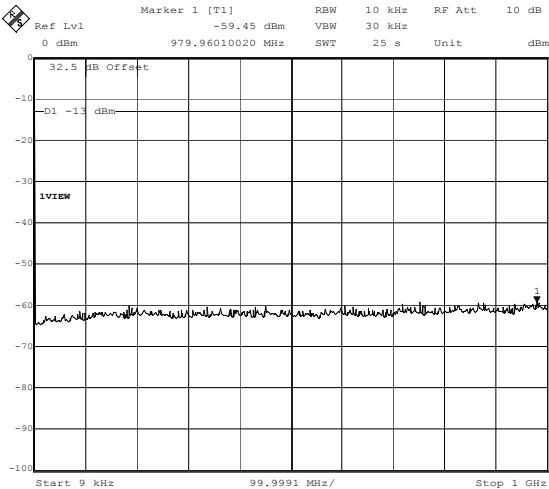
7.7.2. Tests were performed to identify the maximum transmitter conducted emission levels.

Without hybrid:**Result: 8PSK, TX0=513 and TX1=538**

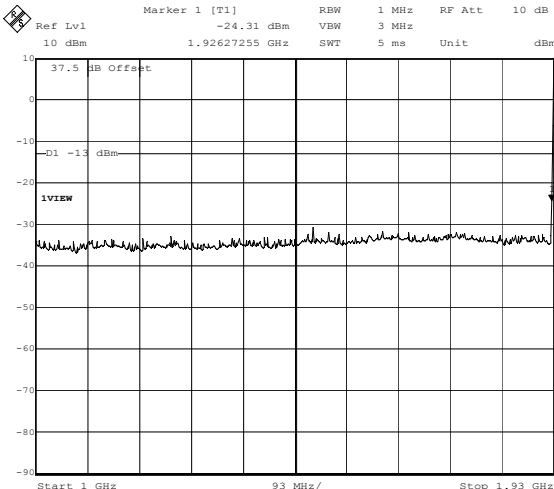
Band	Peak Power (dBm)	Limit (dBm)	Margin (dB)	Results
0.09 MHz to 1.0 GHz	-59.4	-13.0	46.4	Complied
1.0 GHz to 1.92627GHz	-24.3	-13.0	11.3	Complied
1.99 GHz to 2.5 GHz	-23.4	-13.0	10.4	Complied
2.5 GHz to 10.0 GHz	-31.8	-13.0	18.8	Complied
10.0 GHz to 20.0 GHz	-33.7	-13.0	20.7	Complied

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

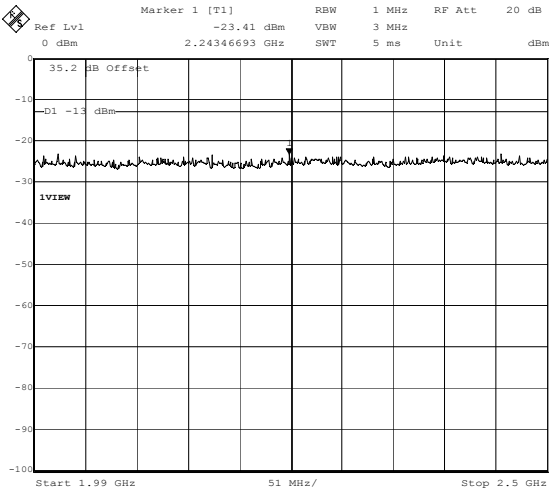
Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)



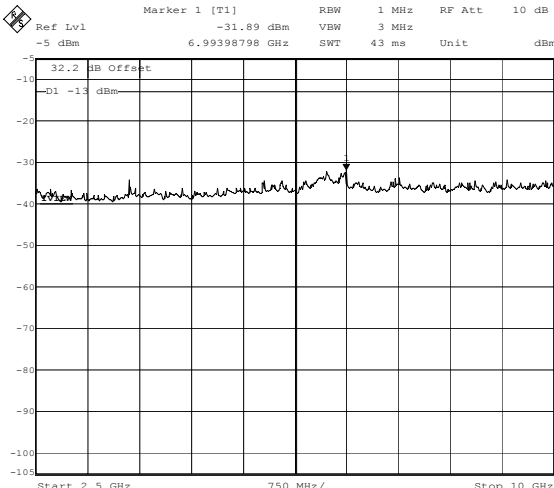
Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch513&538. +41.5dBm. Conducted Spurious Emissions.
Without hybrid. 8PSK TX0&TX1. FCC Part 24.238
Date: 8.APR.2004 08:40:33



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch513&538. +41.5dBm. Conducted Spurious Emissions.
Without hybrid. 8PSK TX0&TX1. FCC Part 24.238
Date: 8.APR.2004 08:14:03



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch513&538. +41.5dBm. Conducted Spurious Emissions.
Without hybrid. 8PSK TX0&TX1. FCC Part 24.238
Date: 8.APR.2004 08:09:09



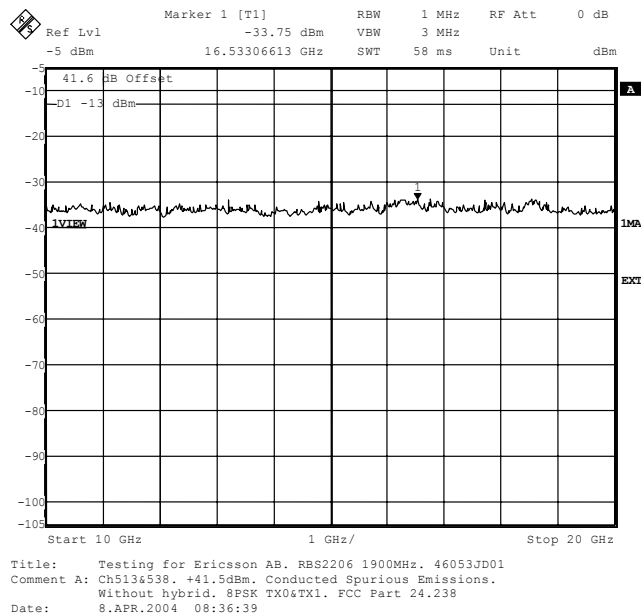
Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch513&538. +41.5dBm. Conducted Spurious Emissions.
Without hybrid. 8PSK TX0&TX1. FCC Part 24.238
Date: 8.APR.2004 08:06:52

RADIO FREQUENCY INVESTIGATION LTD.

TEST REPORT
S.No: RFI/MPTB2/RP46053JD01B
Page 45 of 156
Issue Date: 13 May 2004

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)



Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)**Result: 8PSK, TX0=513 and TX1=538 (Continued)**

1st 1 MHz block immediately outside adjacent frequency block.

First Band: 1925.4 to 1926.4 MHz

100 kHz Strip Number	Peak Power (nW/100kHz)	100 kHz Strip Number	Peak Power (nW/100kHz)
1	883.353	6	606.491
2	1059.000	7	709.505
3	634.378	8	709.172
4	385.260	9	675.461
5	505.963	10	819.202
Total Peak Power:		6987.785 nW/MHz	

Band (MHz)	Peak Power (dBm/MHz)	Limit (dBm/MHz)	Margin (dB)	Status
1925.4 to 1926.4	-21.6	-13.0	8.6	Complied

RADIO FREQUENCY INVESTIGATION LTD.

TEST REPORT

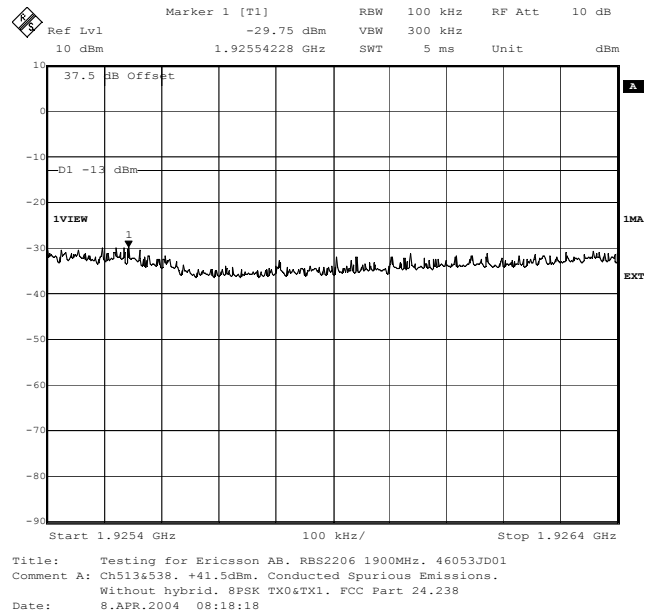
S.No: RFI/MPTB2/RP46053JD01B

Page 47 of 156

Issue Date: 13 May 2004

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)



Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)**Result: 8PSK, TX0=513 and TX1=538 (Continued)**

2nd 1 MHz block immediately outside adjacent frequency block.

Second Band: 1926.4 to 1927.4 MHz

100 kHz Strip Number	Peak Power (nW/100kHz)	100 kHz Strip Number	Peak Power (nW/100kHz)
1	1154.000	6	1377.000
2	875.119	7	1418.000
3	1091.000	8	1463.000
4	965.099	9	1341.000
5	1019.000	10	1534.000
Total Peak Power:		12237.218 nW/MHz	

Band (MHz)	Peak Power (dBm/MHz)	Limit (dBm/MHz)	Margin (dB)	Status
1926.4 to 1927.4	-19.1	-13.0	6.1	Complied

RADIO FREQUENCY INVESTIGATION LTD.

TEST REPORT

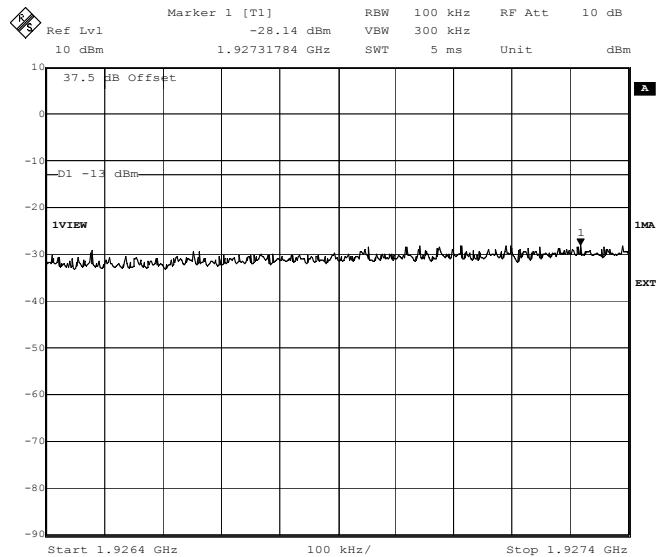
S.No: RFI/MPTB2/RP46053JD01B

Page 49 of 156

Issue Date: 13 May 2004

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch513&538. +41.5dBm. Conducted Spurious Emissions.
Without hybrid. 8PSK TX0&TX1. FCC Part 24.238
Date: 8.APR.2004 08:21:27

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)**Result: 8PSK, TX0=513 and TX1=538 (Continued)**

3rd 1 MHz block immediately outside adjacent frequency block.

Third Band: 1927.4 to 1928.4 MHz

100 kHz Strip Number	Peak Power (nW/100kHz)	100 kHz Strip Number	Peak Power (nW/100kHz)
1	1563.000	6	2750.000
2	1941.000	7	2672.000
3	2123.000	8	3601.000
4	1920.000	9	3556.000
5	2679.000	10	4331.000
Total Peak Power:		27136.000 nW/MHz	

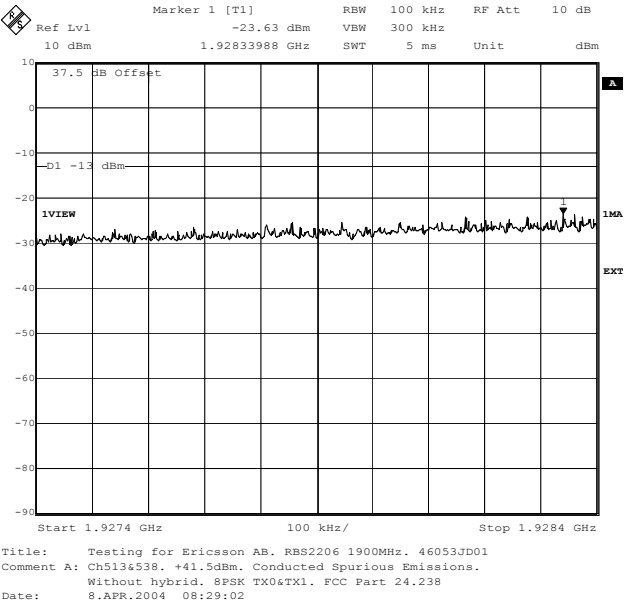
Band (MHz)	Peak Power (dBm/MHz)	Limit (dBm/MHz)	Margin (dB)	Status
1927.4 to 1928.4	-15.7	-13.0	2.7	Complied

RADIO FREQUENCY INVESTIGATION LTD.

TEST REPORT
S.No: RFI/MPTB2/RP46053JD01B
Page 51 of 156
Issue Date: 13 May 2004

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)



Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)**Result: 8PSK, TX0=513 and TX1=538 (Continued)**

4th 1 MHz block immediately outside adjacent frequency block.

Fourth Band: 1928.4 to 1929.4 MHz

100 kHz Strip Number	Peak Power (nW/100kHz)	100 kHz Strip Number	Peak Power (nW/100kHz)
1	4123.000	6	5332.000
2	4073.000	7	4539.000
3	3992.000	8	4635.000
4	5825.000	9	3398.000
5	4710.000	10	3262.000
Total Peak Power:		43889.000 nW/MHz	

Band (MHz)	Peak Power (dBm/MHz)	Limit (dBm/MHz)	Margin (dB)	Status
1928.4 to 1929.4	-13.6	-13.0	0.6	Complied

RADIO FREQUENCY INVESTIGATION LTD.

TEST REPORT

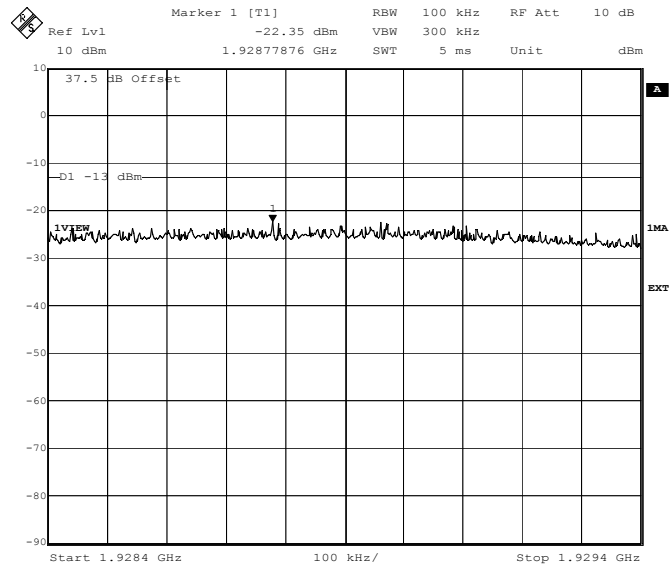
S.No: RFI/MPTB2/RP46053JD01B

Page 53 of 156

Issue Date: 13 May 2004

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch513&538. +41.5dBm. Conducted Spurious Emissions.
Without hybrid. 8PSK TX0&TX1. FCC Part 24.238
Date: 8.APR.2004 08:24:47

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)**Result: 8PSK, TX0=809 and TX1=784**

Band	Peak Power (dBm)	Limit (dBm)	Margin (dB)	Results
0.09 MHz to 1.0 GHz	-56.5	-13.0	43.5	Complied
1.0 GHz to 1.93 GHz	-21.3	-13.0	8.3	Complied
1.99306 GHz to 2.5 GHz	-15.2	-13.0	2.2	Complied
2.5 GHz to 10.0 GHz	-32.1	-13.0	19.1	Complied
10.0 GHz to 20.0 GHz	-33.2	-13.0	20.2	Complied

RADIO FREQUENCY INVESTIGATION LTD.

TEST REPORT

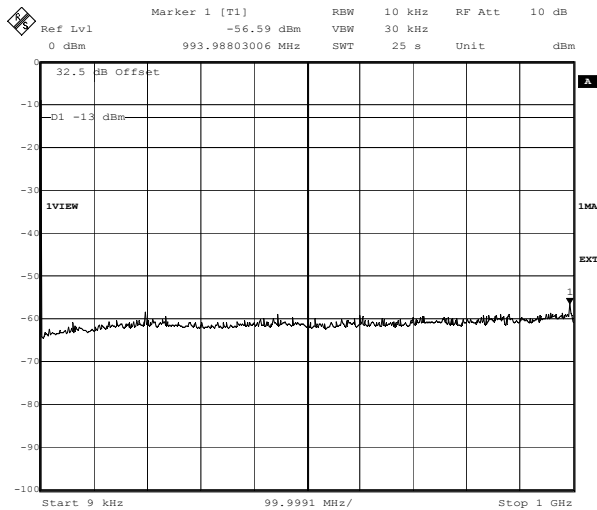
S.No: RFI/MPTB2/RP46053JD01B

Page 55 of 156

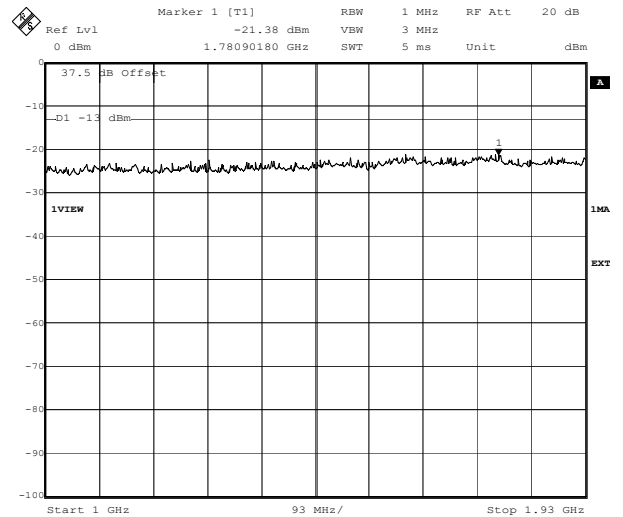
Issue Date: 13 May 2004

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

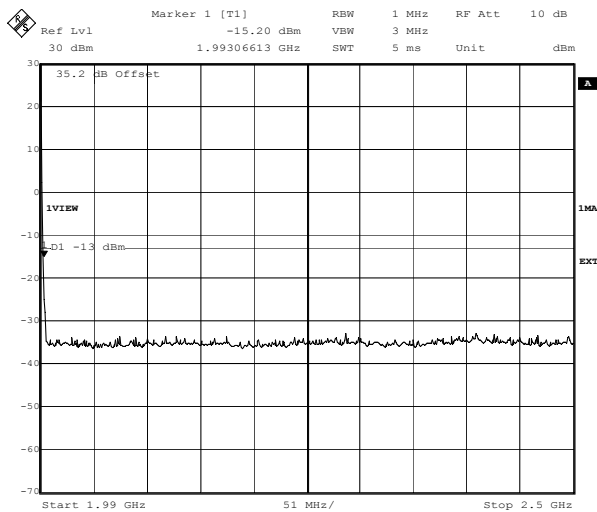
Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)



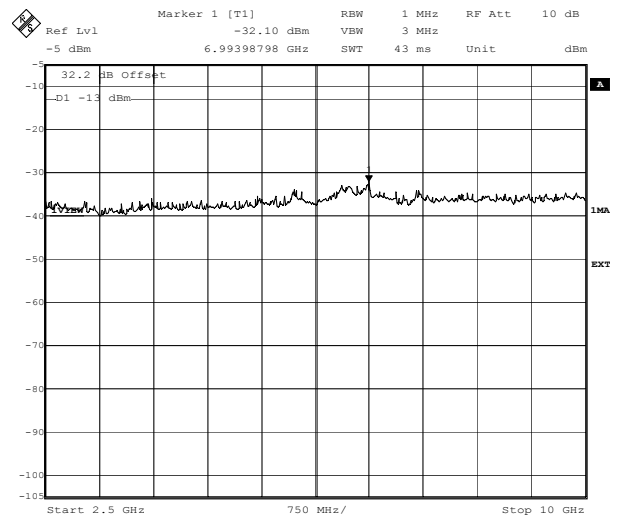
Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch809&784. +41.5dBm. Conducted Spurious Emissions.
Without hybrid. 8PSK TX0&TX1. FCC Part 24.238
Date: 8.APR.2004 09:02:52



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch809&784. +41.5dBm. Conducted Spurious Emissions.
Without hybrid. 8PSK TX0&TX1. FCC Part 24.238
Date: 8.APR.2004 09:15:11



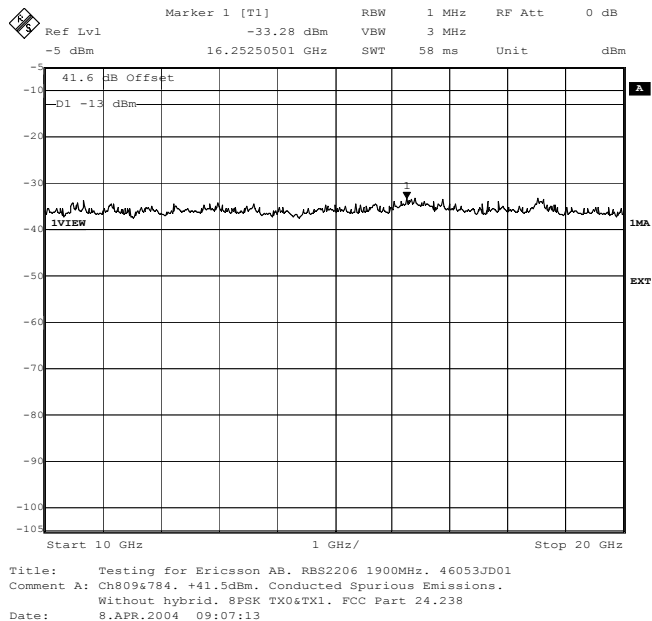
Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch809&784. +41.5dBm. Conducted Spurious Emissions.
Without hybrid. 8PSK TX0&TX1. FCC Part 24.238
Date: 8.APR.2004 09:17:49



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch809&784. +41.5dBm. Conducted Spurious Emissions.
Without hybrid. 8PSK TX0&TX1. FCC Part 24.238
Date: 8.APR.2004 09:13:06

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)



Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)**Results: 8PSK, TX0=809 and TX1=784 (Continued)**

1st 1 MHz block immediately outside adjacent frequency block.

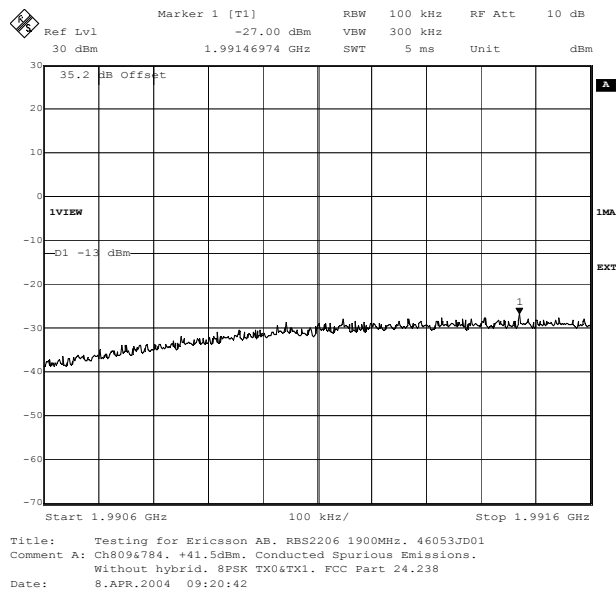
First Band: 1990.6 to 1991.6 MHz

100 kHz Strip Number	Peak Power (nW/100kHz)	100 kHz Strip Number	Peak Power (nW/100kHz)
1	235.407	6	1503.000
2	406.590	7	1547.000
3	604.526	8	1613.000
4	875.558	9	1995.000
5	1280.000	10	1659.000
Total Peak Power:		11719.081 nW/MHz	

Band (MHz)	Peak Power (dBm/MHz)	Limit (dBm/MHz)	Margin (dB)	Status
1990.6 to 1991.6	-19.3	-13.0	6.3	Complied

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)



Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)**Results: 8PSK, TX0=809 and TX1=784 (Continued)**

2nd 1 MHz block immediately outside adjacent frequency block.

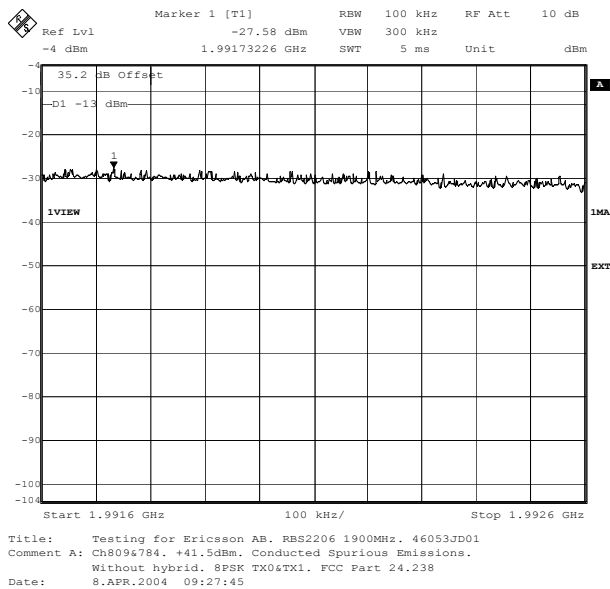
Second Band: 1991.6 to 1992.6 MHz

100 kHz Strip Number	Peak Power (nW/100kHz)	100 kHz Strip Number	Peak Power (nW/100kHz)
1	1581.000	6	1196.000
2	1747.000	7	1408.000
3	1470.000	8	1219.000
4	1346.000	9	1094.000
5	1362.000	10	1064.000
Total Peak Power:		13487.000 nW/MHz	

Band (MHz)	Peak Power (dBm/MHz)	Limit (dBm/MHz)	Margin (dB)	Status
1991.6 to 1992.6	-18.7	-13.0	5.7	Complied

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)



Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)**Results: Results: 8PSK, TX0=809 and TX1=784 (Continued)**

3rd 1 MHz block immediately outside adjacent frequency block.

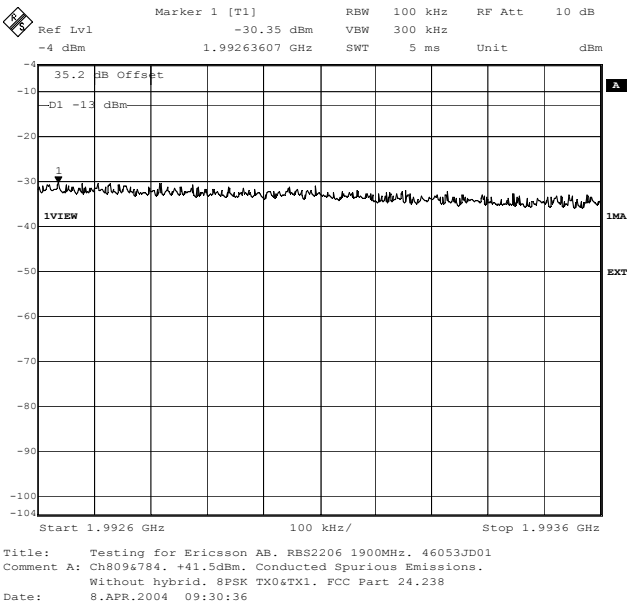
Third Band: 1992.6 to 1993.6 MHz

100 kHz Strip Number	Peak Power (nW/100kHz)	100 kHz Strip Number	Peak Power (nW/100kHz)
1	922.739	6	606.251
2	846.561	7	600.318
3	867.428	8	573.123
4	712.886	9	509.566
5	793.212	10	496.213
Total Peak Power:		6928.297 nW/MHz	

Band (MHz)	Peak Power (dBm/MHz)	Limit (dBm/MHz)	Margin (dB)	Status
1992.6 to 1993.6	-21.6	-13.0	8.6	Complied

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)



Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

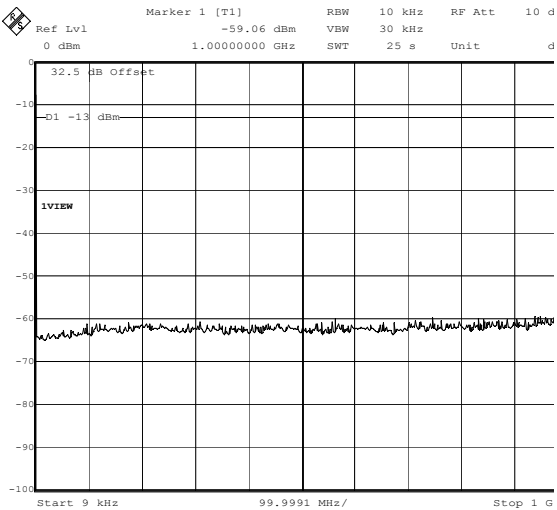
Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)

Result: 8PSK, TX0=538 and TX1=513

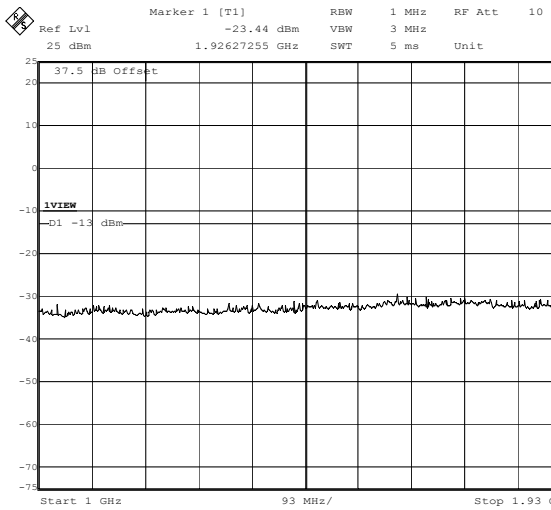
Band	Peak Power (dBm)	Limit (dBm)	Margin (dB)	Results
0.09 MHz to 1.0 GHz	-59.0	-13.0	46.0	Complied
1.0 GHz to 1.92627 GHz	-23.4	-13.0	10.4	Complied
1.99 GHz to 2.5 GHz	-22.9	-13.0	9.9	Complied
2.5 GHz to 10.0 GHz	-32.3	-13.0	19.3	Complied
10.0 GHz to 20.0 GHz	-32.6	-13.0	19.6	Complied

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

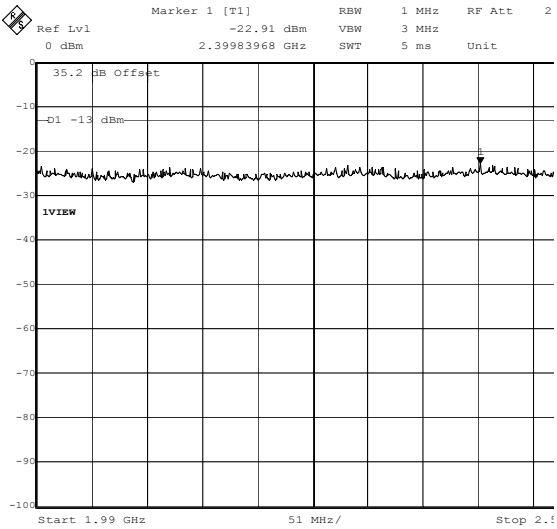
Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)



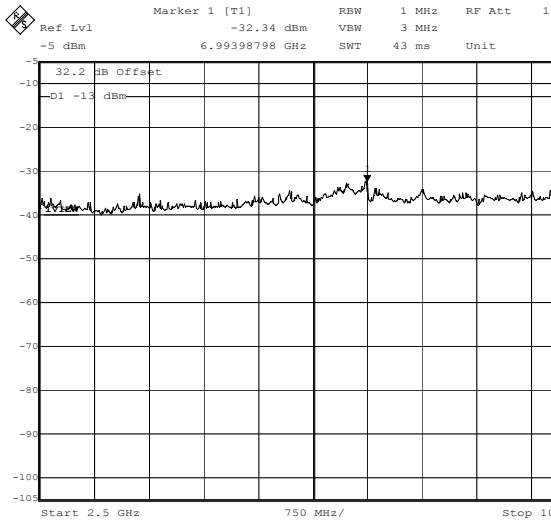
Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch513&538. +41.5dBm. Conducted Spurious Emissions.
Without hybrid. 8PSK TX1&TX0. FCC Part 24.238
Date: 8.APR.2004 10:28:43



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch513&538. +41.5dBm. Conducted Spurious Emissions.
Without hybrid. 8PSK TX1&TX0. FCC Part 24.238
Date: 8.APR.2004 11:57:53



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch513&538. +41.5dBm. Conducted Spurious Emissions.
Without hybrid. 8PSK TX1&TX0. FCC Part 24.238
Date: 8.APR.2004 10:21:35



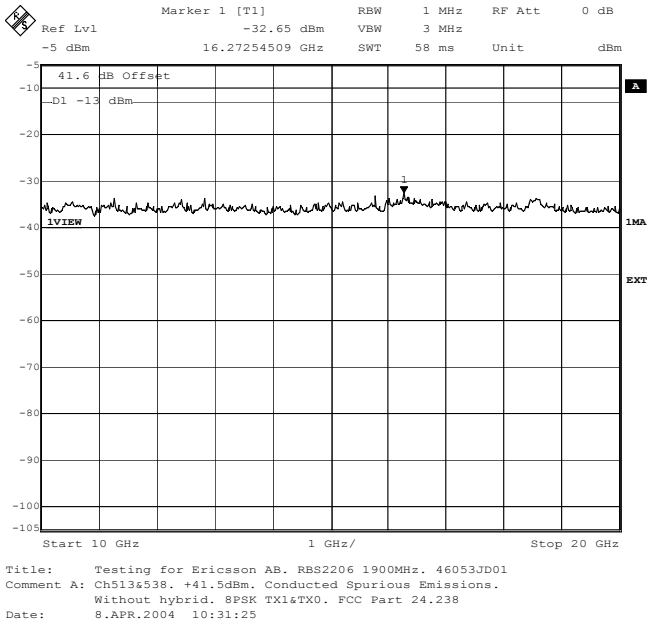
Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch513&538. +41.5dBm. Conducted Spurious Emissions.
Without hybrid. 8PSK TX1&TX0. FCC Part 24.238
Date: 8.APR.2004 10:19:32

RADIO FREQUENCY INVESTIGATION LTD.

TEST REPORT
S.No: RFI/MPTB2/RP46053JD01B
Page 65 of 156
Issue Date: 13 May 2004

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)



Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)**Result: 8PSK, TX0=538 and TX1=513 (Continued)**

1st 1 MHz block immediately outside adjacent frequency block.

First Band: 1925.4 to 1926.4 MHz

100 kHz Strip Number	Peak Power (nW/100kHz)	100 kHz Strip Number	Peak Power (nW/100kHz)
1	1439.000	6	624.782
2	1235.000	7	603.785
3	818.607	8	698.116
4	572.933	9	745.070
5	604.067	10	1278.000
Total Peak Power:		8619.360 nW/MHz	

Band (MHz)	Peak Power (dBm/MHz)	Limit (dBm/MHz)	Margin (dB)	Status
1925.4 to 1926.4	-20.6	-13.0	7.6	Complied

RADIO FREQUENCY INVESTIGATION LTD.

TEST REPORT

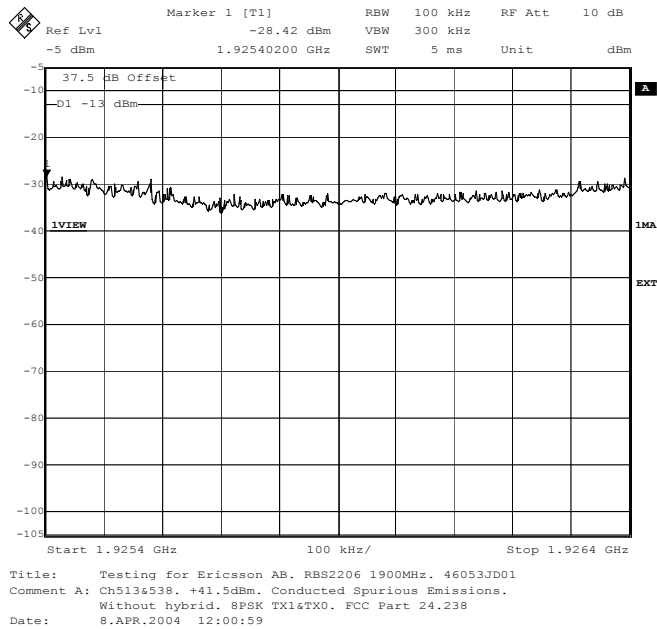
S.No: RFI/MPTB2/RP46053JD01B

Page 67 of 156

Issue Date: 13 May 2004

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)



Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)**Result: 8PSK, TX0=538 and TX1=513 (Continued)**

2nd 1 MHz block immediately outside adjacent frequency block.

Second Band: 1926.4 to 1927.4 MHz

100 kHz Strip Number	Peak Power (nW/100kHz)	100 kHz Strip Number	Peak Power (nW/100kHz)
1	1010.000	6	1020.000
2	857.451	7	1301.000
3	857.451	8	1347.000
4	1131.000	9	1348.000
5	892.271	10	1434.000
Total Peak Power:		11198.173 nW/MHz	

Band (MHz)	Peak Power (dBm/MHz)	Limit (dBm/MHz)	Margin (dB)	Status
1926.4 to 1927.4	-19.5	-13.0	6.5	Complied

RADIO FREQUENCY INVESTIGATION LTD.

TEST REPORT

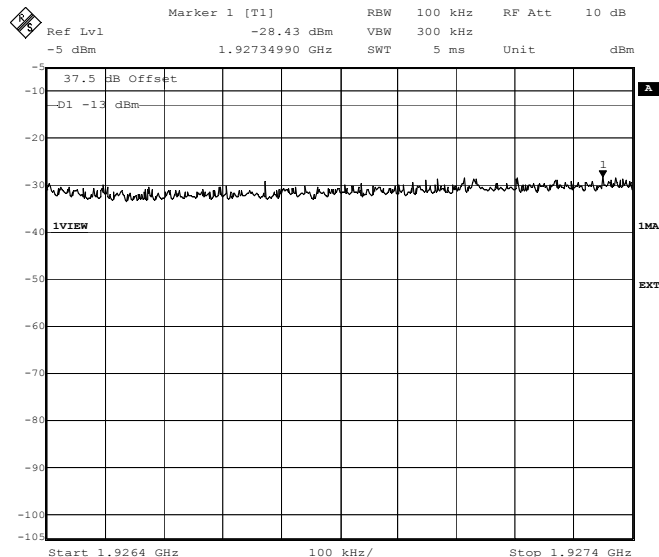
S.No: RFI/MPTB2/RP46053JD01B

Page 69 of 156

Issue Date: 13 May 2004

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch5136538. +41.5dBm. Conducted Spurious Emissions.
Without hybrid. 8PSK TX1&TX0. FCC Part 24.238
Date: 8.APR.2004 12:16:17

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)**Result: 8PSK, TX0=538 and TX1=513 (Continued)**

3rd 1 MHz block immediately outside adjacent frequency block.

Third Band: 1927.4 to 1928.4 MHz

100 kHz Strip Number	Peak Power (nW/100kHz)	100 kHz Strip Number	Peak Power (nW/100kHz)
1	2010.000	6	2816.000
2	2051.000	7	2946.000
3	1902.000	8	2953.000
4	2300.000	9	3399.000
5	2343.000	10	3410.000
Total Peak Power:		26130.000 nW/MHz	

Band (MHz)	Peak Power (dBm/MHz)	Limit (dBm/MHz)	Margin (dB)	Status
1927.4 to 1928.4	-15.8	-13.0	2.8	Complied

RADIO FREQUENCY INVESTIGATION LTD.

TEST REPORT

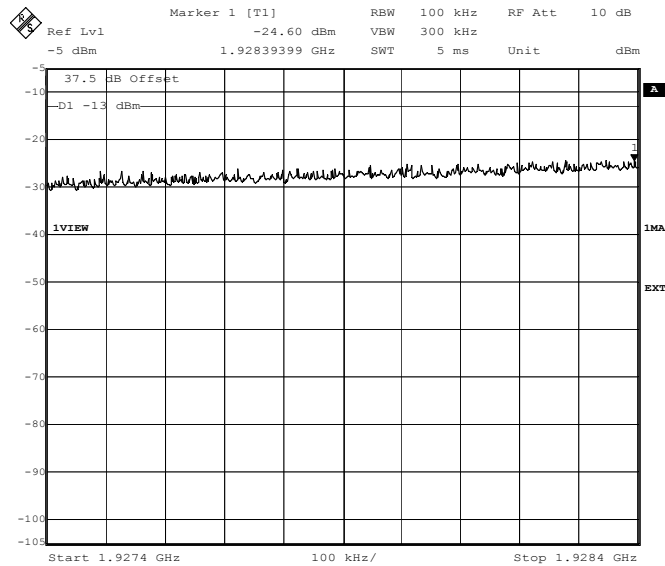
S.No: RFI/MPTB2/RP46053JD01B

Page 71 of 156

Issue Date: 13 May 2004

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch513&538. +41.5dBm. Conducted Spurious Emissions.
Without hybrid. 8PSK TX1&TX0. FCC Part 24.238
Date: 8.APR.2004 12:19:07

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)**Result: 8PSK, TX0=538 and TX1=513 (Continued)**

4th 1 MHz block immediately outside adjacent frequency block.

Fourth Band: 1928.4 to 1929.4 MHz

100 kHz Strip Number	Peak Power (nW/100kHz)	100 kHz Strip Number	Peak Power (nW/100kHz)
1	4902.000	6	5101.000
2	4751.000	7	4489.000
3	5215.000	8	4084.000
4	4766.000	9	3300.000
5	4224.000	10	3209.000
Total Peak Power:		44041.000 nW/MHz	

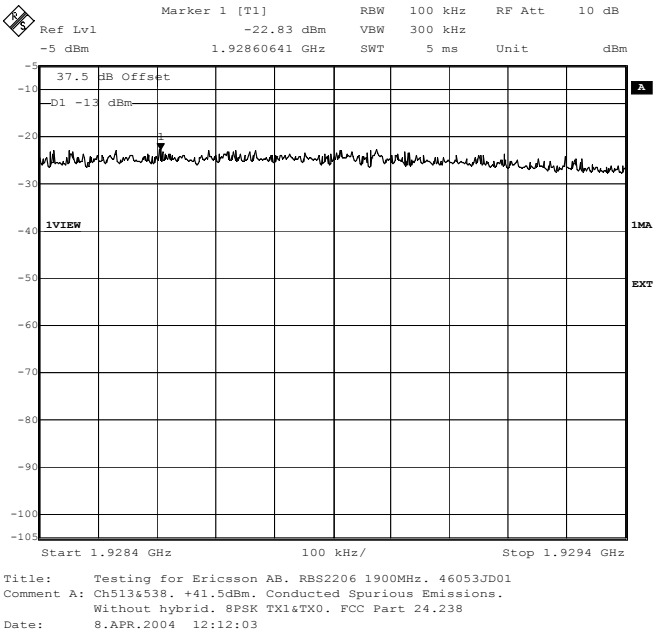
Band (MHz)	Peak Power (dBm/MHz)	Limit (dBm/MHz)	Margin (dB)	Status
1928.4 to 1929.4	-13.6	-13.0	0.6	Complied

RADIO FREQUENCY INVESTIGATION LTD.

TEST REPORT
S.No: RFI/MPTB2/RP46053JD01B
Page 73 of 156
Issue Date: 13 May 2004

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)



Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)**Result: 8PSK, TX0=784 and TX1=809**

Band	Peak Power (dBm)	Limit (dBm)	Margin (dB)	Results
0.09 MHz to 1.0 GHz	-58.8	-13.0	45.8	Complied
1.0 GHz to 1.93 GHz	-25.1	-13.0	12.1	Complied
1.99306 GHz to 2.5 GHz	-16.9	-13.0	3.9	Complied
2.5 GHz to 10.0 GHz	-32.0	-13.0	19.0	Complied
10.0 GHz to 20.0 GHz	-33.5	-13.0	20.5	Complied

RADIO FREQUENCY INVESTIGATION LTD.

TEST REPORT

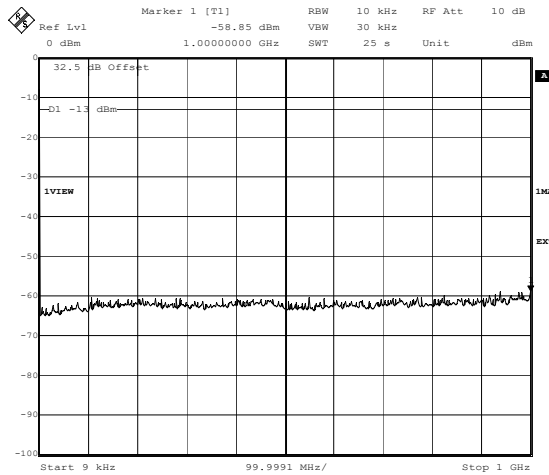
S.No: RFI/MPTB2/RP46053JD01B

Page 75 of 156

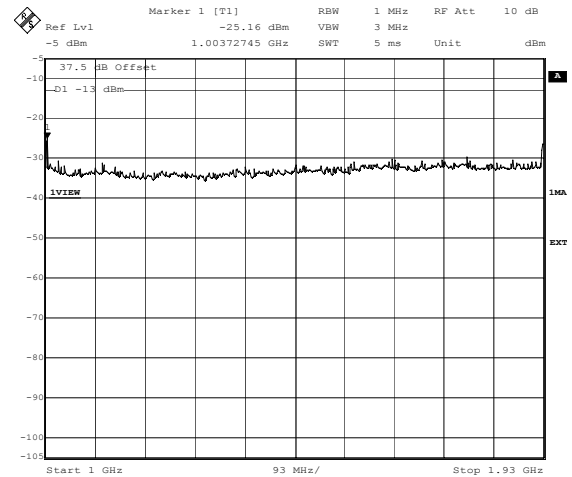
Issue Date: 13 May 2004

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

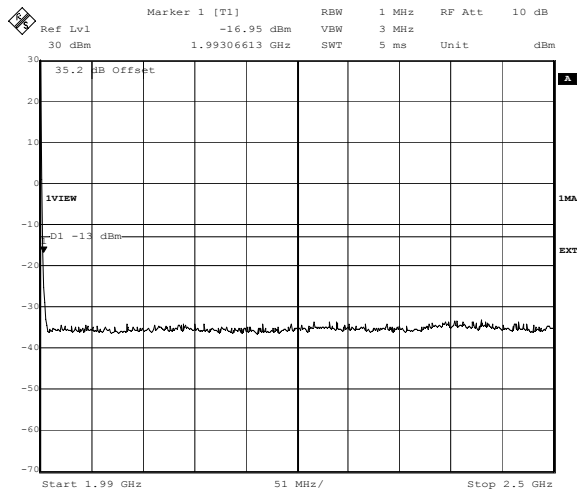
Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)



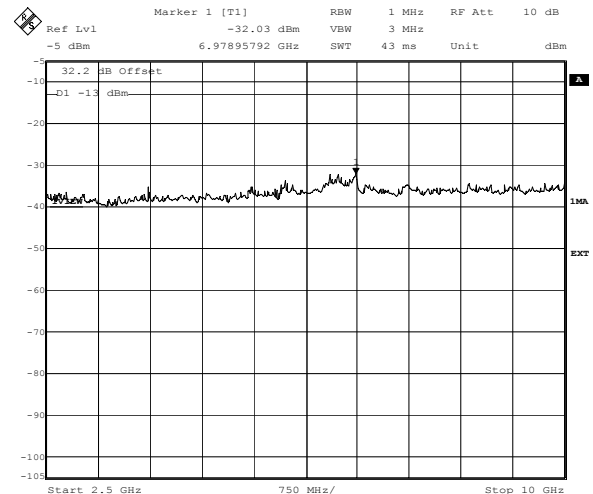
Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch809&784. +41.5dBm. Conducted Spurious Emissions.
Without hybrid. 8PSK TX1&TX0. FCC Part 24.238
Date: 8.APR.2004 13:21:30



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch809&784. +41.5dBm. Conducted Spurious Emissions.
Without hybrid. 8PSK TX1&TX0. FCC Part 24.238
Date: 8.APR.2004 12:55:26



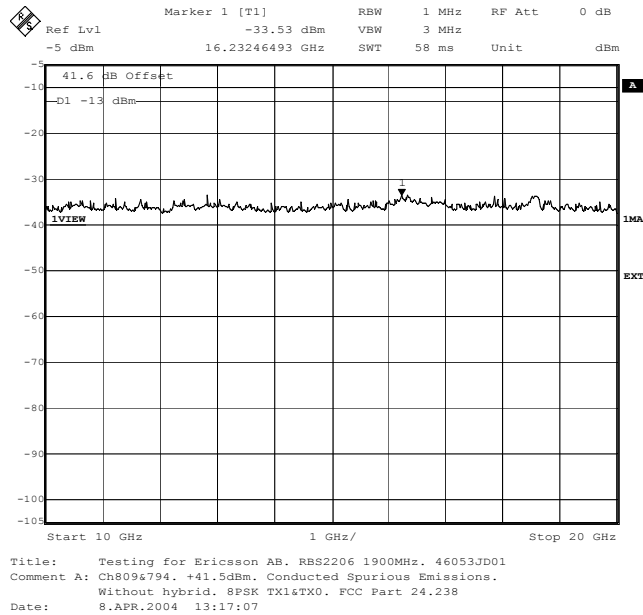
Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch809&784. +41.5dBm. Conducted Spurious Emissions.
Without hybrid. 8PSK TX1&TX0. FCC Part 24.238
Date: 8.APR.2004 12:57:24



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch809&784. +41.5dBm. Conducted Spurious Emissions.
Without hybrid. 8PSK TX1&TX0. FCC Part 24.238
Date: 8.APR.2004 12:53:06

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)



Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)**Results: 8PSK, TX0=784 and TX1=809 (Continued)**

1st 1 MHz block immediately outside adjacent frequency block.

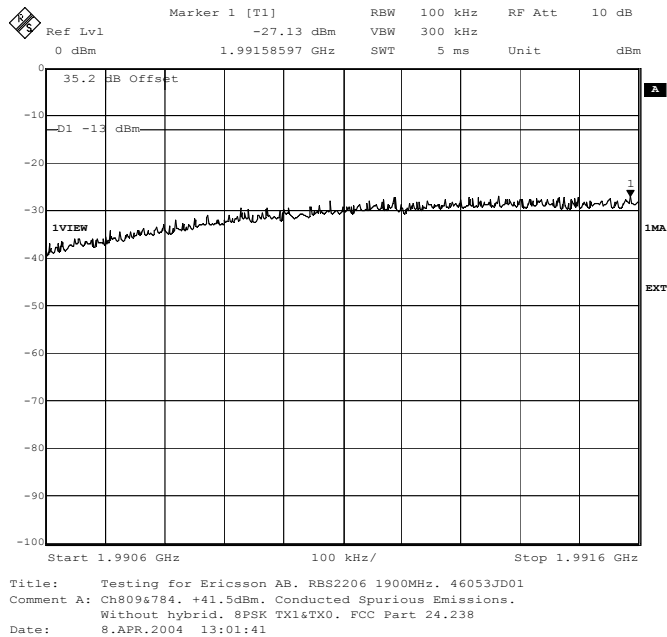
First Band: 1990.6 to 1991.6 MHz

100 kHz Strip Number	Peak Power (nW/100kHz)	100 kHz Strip Number	Peak Power (nW/100kHz)
1	245.643	6	1875.000
2	482.356	7	1597.000
3	764.337	8	1891.000
4	1082.000	9	1868.000
5	1528.000	10	1935.000
Total Peak Power:		13268.336 nW/MHz	

Band (MHz)	Peak Power (dBm/MHz)	Limit (dBm/MHz)	Margin (dB)	Status
1990.6 to 1991.6	-18.8	-13.0	5.8	Complied

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)



Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)**Results: 8PSK, TX0=784 and TX1=809 (Continued)**

2nd 1 MHz block immediately outside adjacent frequency block.

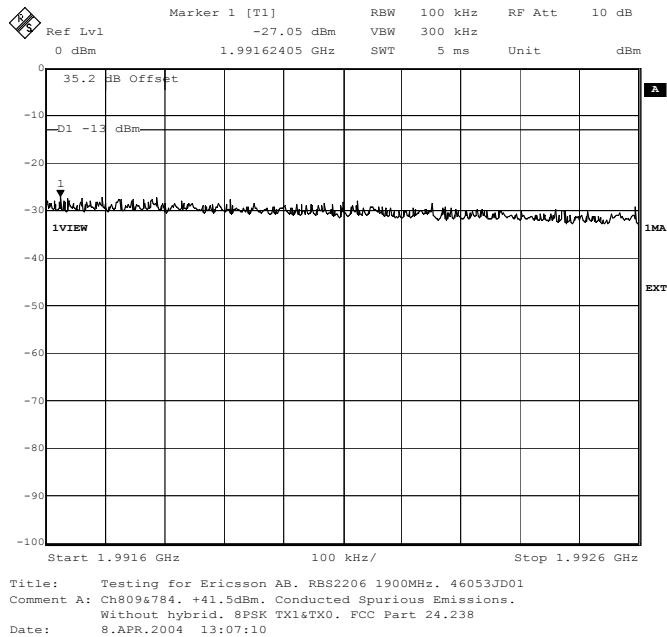
Second Band: 1991.6 to 1992.6 MHz

100 kHz Strip Number	Peak Power (nW/100kHz)	100 kHz Strip Number	Peak Power (nW/100kHz)
1	1973.000	6	1540.000
2	1794.000	7	1350.000
3	1507.000	8	1023.000
4	1654.000	9	1054.000
5	1384.000	10	1122.000
Total Peak Power:		14401.000 nW/MHz	

Band (MHz)	Peak Power (dBm/MHz)	Limit (dBm/MHz)	Margin (dB)	Status
1991.6 to 1992.6	-18.4	-13.0	5.4	Complied

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)



Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)**Results: 8PSK, TX0=784 and TX1=809 (Continued)**

3rd 1 MHz block immediately outside adjacent frequency block.

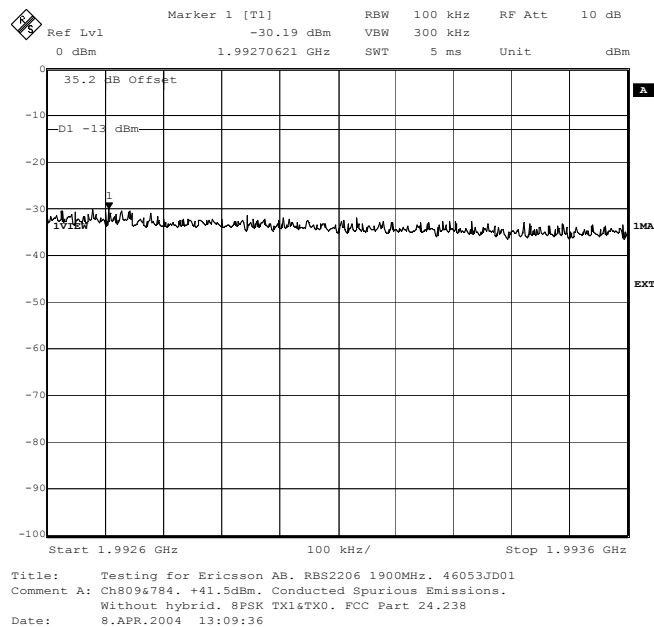
Third Band: 1992.6 to 1993.6 MHz

100 kHz Strip Number	Peak Power (nW/100kHz)	100 kHz Strip Number	Peak Power (nW/100kHz)
1	921.364	6	617.660
2	957.881	7	507.378
3	570.128	8	505.244
4	701.564	9	491.937
5	609.328	10	438.204
Total Peak Power:		6320.688 nW/MHz	

Band (MHz)	Peak Power (dBm/MHz)	Limit (dBm/MHz)	Margin (dB)	Status
1992.6 to 1993.6	-22.0	-13.0	9.0	Complied

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)



Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)

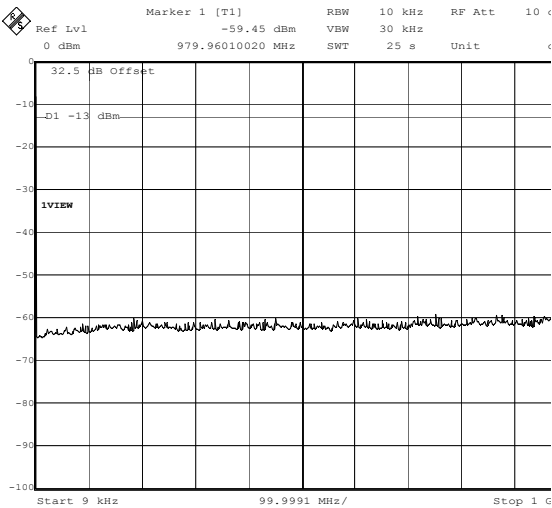
With hybrid:

Result: 8PSK, TX0=513 and TX1=538

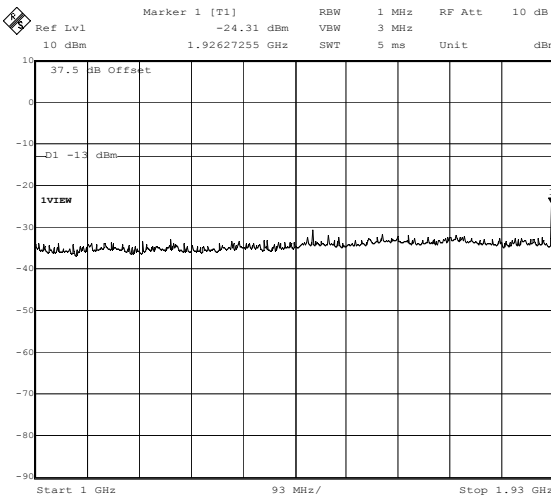
Band	Peak Power (dBm)	Limit (dBm)	Margin (dB)	Results
0.09 MHz to 1.0 GHz	-59.4	-13.0	46.4	Complied
1.0 GHz to 1.92627 GHz	-24.3	-13.0	11.3	Complied
1.99 GHz to 2.5 GHz	-23.4	-13.0	10.4	Complied
2.5 GHz to 10.0 GHz	-31.8	-13.0	18.8	Complied
10.0 GHz to 20.0 GHz	-33.7	-13.0	20.7	Complied

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

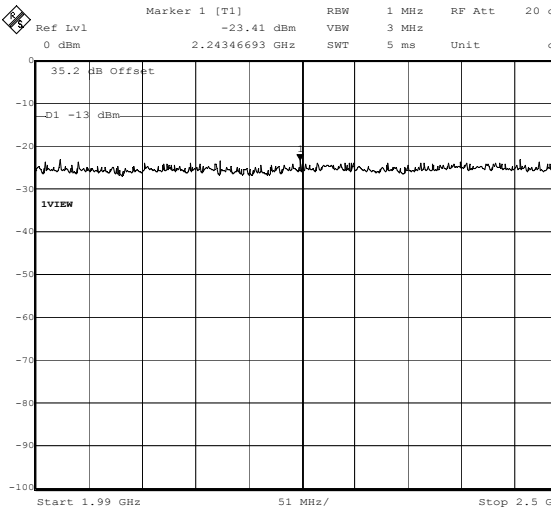
Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)



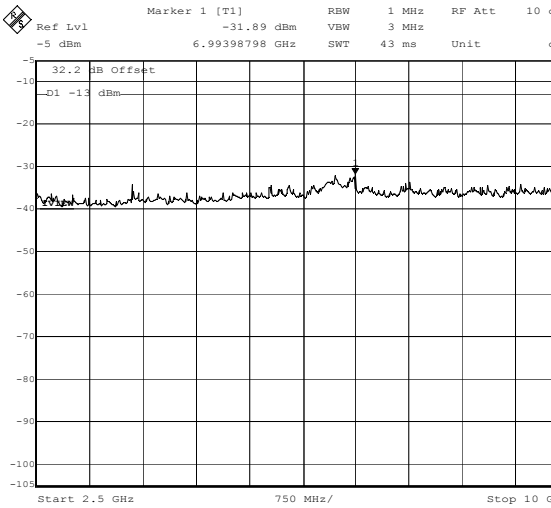
Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch513&538. +41.5dBm. Conducted Spurious Emissions.
Without hybrid. 8PSK TX0&TX1. FCC Part 24.238
Date: 8.APR.2004 08:40:33



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch513&538. +41.5dBm. Conducted Spurious Emissions.
Without hybrid. 8PSK TX0&TX1. FCC Part 24.238
Date: 8.APR.2004 08:14:03



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch513&538. +41.5dBm. Conducted Spurious Emissions.
Without hybrid. 8PSK TX0&TX1. FCC Part 24.238
Date: 8.APR.2004 08:09:09



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch513&538. +41.5dBm. Conducted Spurious Emissions.
Without hybrid. 8PSK TX0&TX1. FCC Part 24.238
Date: 8.APR.2004 08:06:52

RADIO FREQUENCY INVESTIGATION LTD.

TEST REPORT

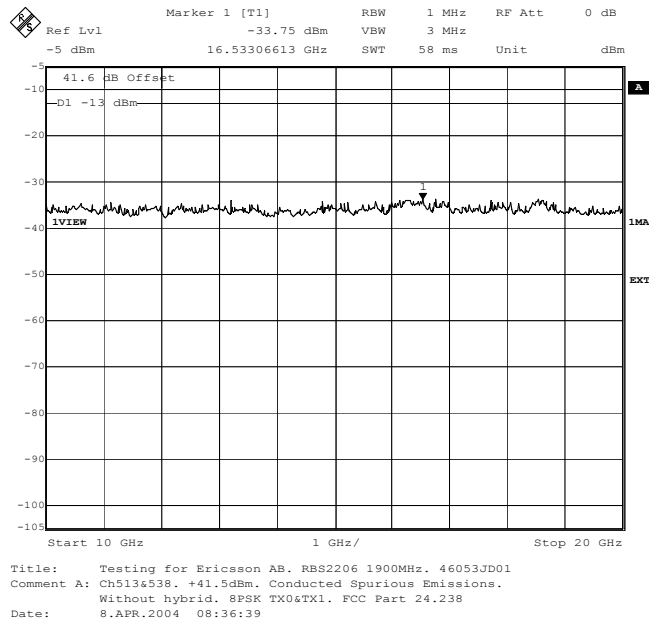
S.No: RFI/MPTB2/RP46053JD01B

Page 85 of 156

Issue Date: 13 May 2004

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)



Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)**Result: 8PSK, TX0=513 and TX1=538 (Continued)**

1st 1 MHz block immediately outside adjacent frequency block.

First Band: 1925.4 to 1926.4 MHz

100 kHz Strip Number	Peak Power (nW/100kHz)	100 kHz Strip Number	Peak Power (nW/100kHz)
1	1815.000	6	523.914
2	1779.000	7	620.990
3	1085.000	8	808.700
4	428.560	9	747.516
5	449.948	10	700.737
Total Peak Power:		8959.365 nW/MHz	

Band (MHz)	Peak Power (dBm/MHz)	Limit (dBm/MHz)	Margin (dB)	Status
1925.4 to 1926.4	-20.5	-13.0	7.5	Complied

RADIO FREQUENCY INVESTIGATION LTD.

TEST REPORT

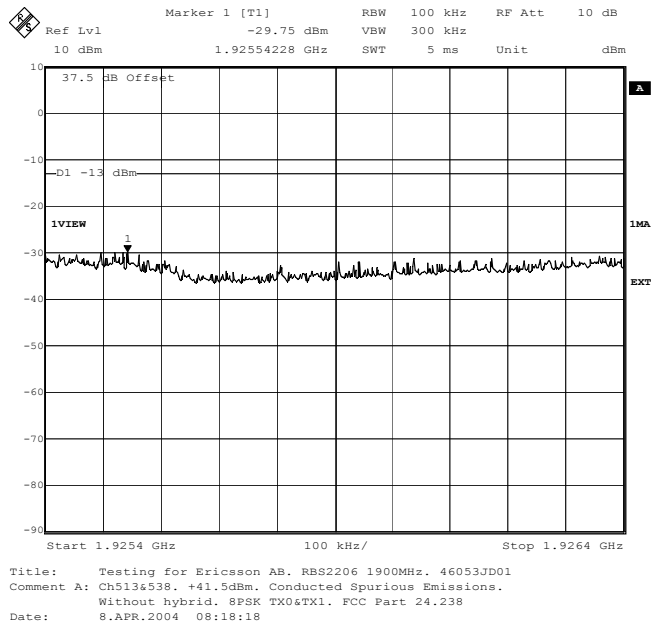
S.No: RFI/MPTB2/RP46053JD01B

Page 87 of 156

Issue Date: 13 May 2004

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)



Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)**Result: 8PSK, TX0=513 and TX1=538 (Continued)**

2nd 1 MHz block immediately outside adjacent frequency block.

Second Band: 1926.4 to 1927.4 MHz

100 kHz Strip Number	Peak Power (nW/100kHz)	100 kHz Strip Number	Peak Power (nW/100kHz)
1	801.537	6	868.768
2	911.272	7	1033.000
3	803.417	8	994.206
4	839.178	9	1018.000
5	932.424	10	1091.000
Total Peak Power:		9292.802 nW/MHz	

Band (MHz)	Peak Power (dBm/MHz)	Limit (dBm/MHz)	Margin (dB)	Status
1926.4 to 1927.4	-20.3	-13.0	7.3	Complied

RADIO FREQUENCY INVESTIGATION LTD.

TEST REPORT

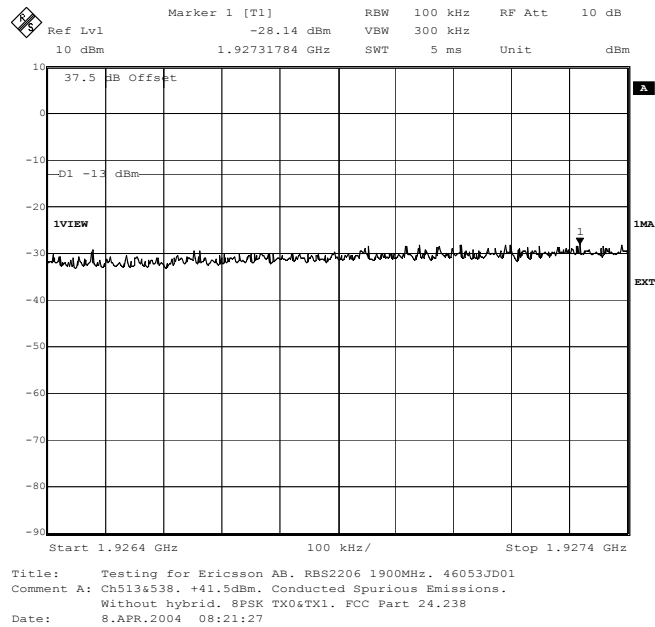
S.No: RFI/MPTB2/RP46053JD01B

Page 89 of 156

Issue Date: 13 May 2004

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)



Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)**Result: 8PSK, TX0=513 and TX1=538 (Continued)**

3rd 1 MHz block immediately outside adjacent frequency block.

Third Band: 1927.4 to 1928.4 MHz

100 kHz Strip Number	Peak Power (nW/100kHz)	100 kHz Strip Number	Peak Power (nW/100kHz)
1	1250.000	6	1624.000
2	1186.000	7	1535.000
3	1093.000	8	1766.000
4	1232.000	9	1949.000
5	1659.000	10	2297.000
Total Peak Power:		15591.000 nW/MHz	

Band (MHz)	Peak Power (dBm/MHz)	Limit (dBm/MHz)	Margin (dB)	Status
1927.4 to 1928.4	-18.1	-13.0	5.1	Complied

RADIO FREQUENCY INVESTIGATION LTD.

TEST REPORT

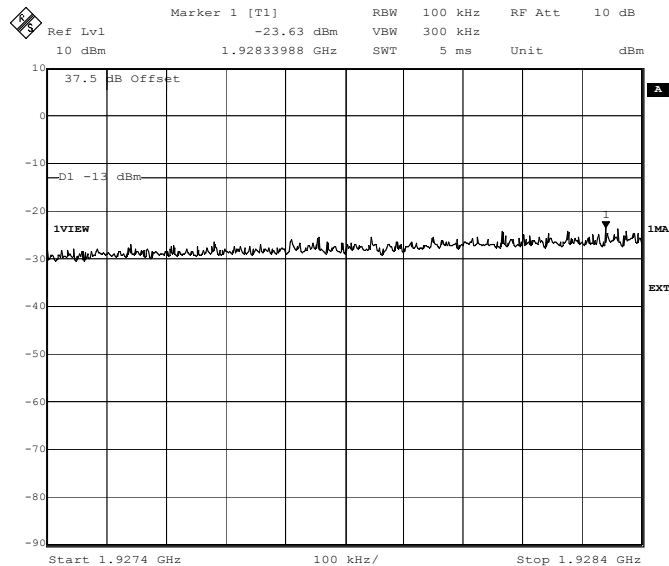
S.No: RFI/MPTB2/RP46053JD01B

Page 91 of 156

Issue Date: 13 May 2004

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch513&538. +41.5dBm. Conducted Spurious Emissions.
Without hybrid. 8PSK TX0&TX1. FCC Part 24.238
Date: 8.APR.2004 08:29:02

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)**Result: 8PSK, TX0=513 and TX1=538 (Continued)**

4th 1 MHz block immediately outside adjacent frequency block.

Fourth Band: 1928.4 to 1929.4 MHz

100 kHz Strip Number	Peak Power (nW/100kHz)	100 kHz Strip Number	Peak Power (nW/100kHz)
1	1887	6	2301
2	2254	7	3012
3	2774	8	1890
4	2150	9	1923
5	2447	10	1762
Total Peak Power:		22400.000 nW/MHz	

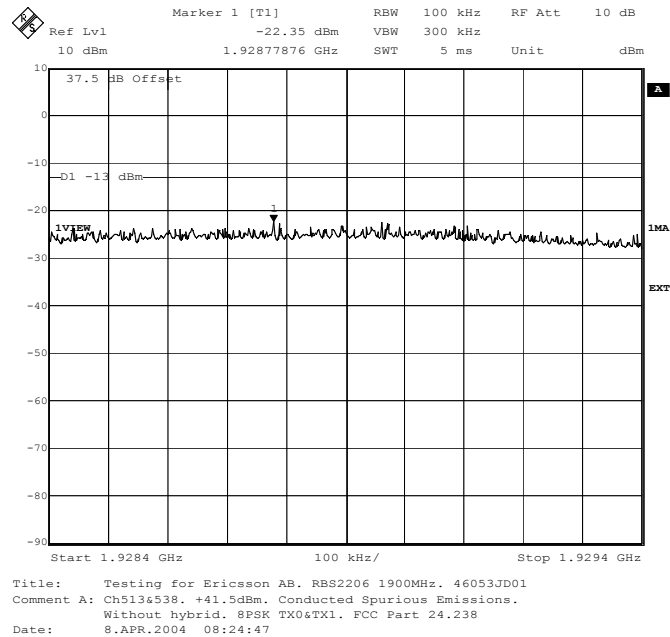
Band (MHz)	Peak Power (dBm/MHz)	Limit (dBm/MHz)	Margin (dB)	Status
1928.4 to 1929.4	-16.5	-13.0	3.5	Complied

RADIO FREQUENCY INVESTIGATION LTD.

TEST REPORT
S.No: RFI/MPTB2/RP46053JD01B
Page 93 of 156
Issue Date: 13 May 2004

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)



Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)

Result: 8PSK, TX0=809 and TX1=784

Band	Peak Power (dBm)	Limit (dBm)	Margin (dB)	Results
0.09 MHz to 1.0 GHz	-56.5	-13.0	43.5	Complied
1.0 GHz to 1.93 GHz	-21.3	-13.0	8.3	Complied
1.99306 GHz to 2.5 GHz	-15.2	-13.0	2.2	Complied
2.5 GHz to 10.0 GHz	-32.1	-13.0	19.1	Complied
10.0 GHz to 20.0 GHz	-33.2	-13.0	20.2	Complied

RADIO FREQUENCY INVESTIGATION LTD.

TEST REPORT

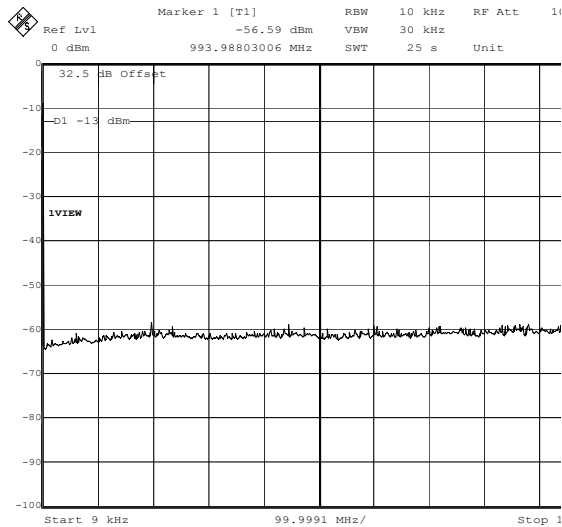
S.No: RFI/MPTB2/RP46053JD01B

Page 95 of 156

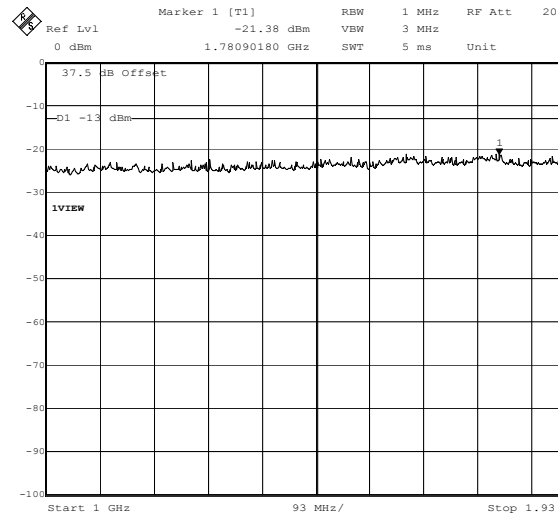
Issue Date: 13 May 2004

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

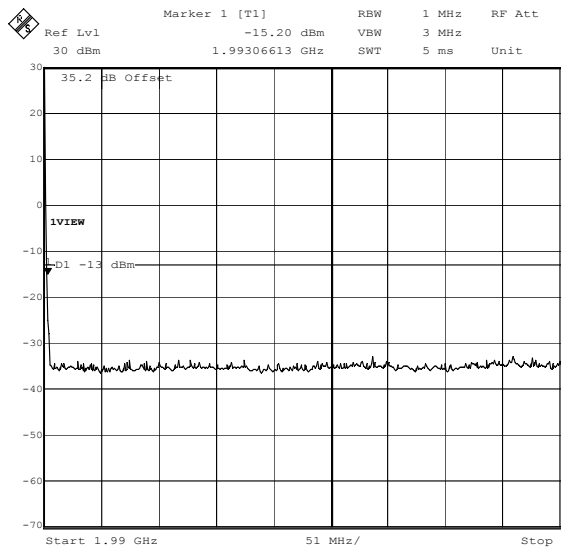
Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)



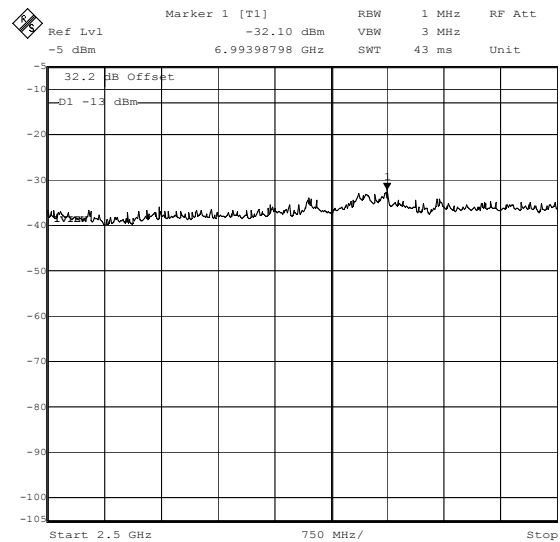
Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch809&784. +41.5dBm. Conducted Spurious Emissions.
Without hybrid. 8PSK TX0&TX1. FCC Part 24.238
Date: 8.APR.2004 09:02:52



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch809&784. +41.5dBm. Conducted Spurious Emissions.
Without hybrid. 8PSK TX0&TX1. FCC Part 24.238
Date: 8.APR.2004 09:15:11



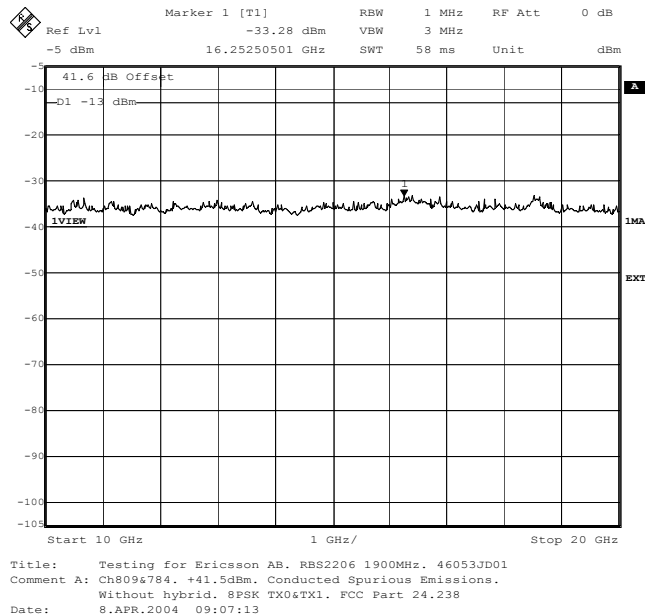
Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch809&784. +41.5dBm. Conducted Spurious Emissions.
Without hybrid. 8PSK TX0&TX1. FCC Part 24.238
Date: 8.APR.2004 09:17:49



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch809&784. +41.5dBm. Conducted Spurious Emissions.
Without hybrid. 8PSK TX0&TX1. FCC Part 24.238
Date: 8.APR.2004 09:13:06

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)



Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)**Results: 8PSK, TX0=809 and TX1=784 (Continued)**

1st 1 MHz block immediately outside adjacent frequency block.

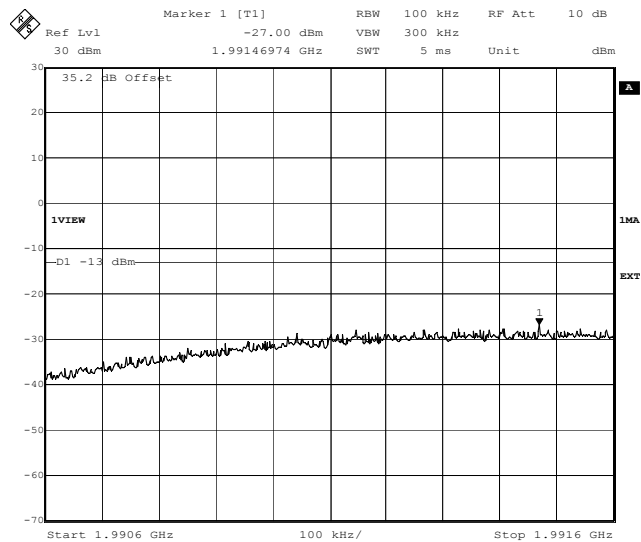
First Band: 1990.6 to 1991.6 MHz

100 kHz Strip Number	Peak Power (nW/100kHz)	100 kHz Strip Number	Peak Power (nW/100kHz)
1	257.719	6	963.497
2	318.622	7	1206.000
3	634.215	8	1133.000
4	660.587	9	1001.000
5	872.847	10	958.545
Total Peak Power:		8006.032 nW/MHz	

Band (MHz)	Peak Power (dBm/MHz)	Limit (dBm/MHz)	Margin (dB)	Status
1990.6 to 1991.6	-21.0	-13.0	8.0	Complied

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch8096784. +41.5dBm. Conducted Spurious Emissions.
Without hybrid. 8PSK TX0&TX1. FCC Part 24.238
Date: 8.APR.2004 09:20:42

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)**Results: 8PSK, TX0=809 and TX1=784 (Continued)**

2nd 1 MHz block immediately outside adjacent frequency block.

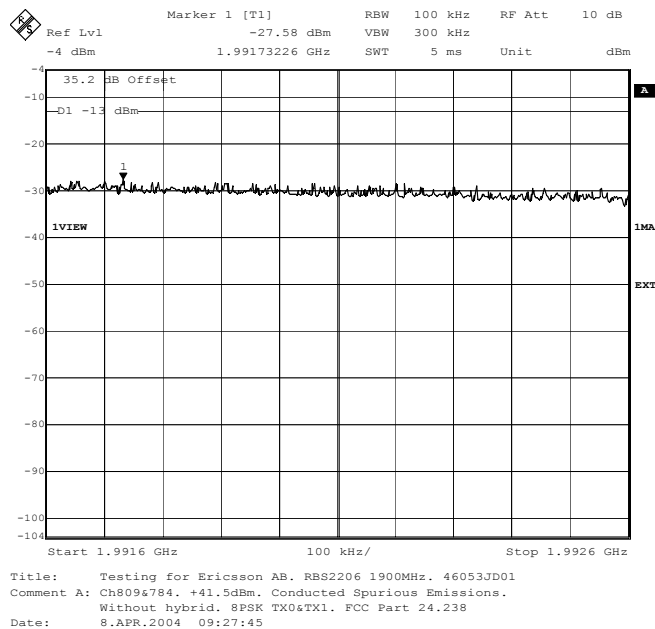
Second Band: 1991.6 to 1992.6 MHz

100 kHz Strip Number	Peak Power (nW/100kHz)	100 kHz Strip Number	Peak Power (nW/100kHz)
1	1118.000	6	762.722
2	1037.000	7	777.508
3	970.288	8	822.450
4	941.640	9	767.019
5	948.722	10	616.643
Total Peak Power:		8761.992 nW/MHz	

Band (MHz)	Peak Power (dBm/MHz)	Limit (dBm/MHz)	Margin (dB)	Status
1991.6 to 1992.6	-21.0	-13.0	8.0	Complied

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)



Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)**Results: 8PSK, TX0=809 and TX1=784 (Continued)**

3rd 1 MHz block immediately outside adjacent frequency block.

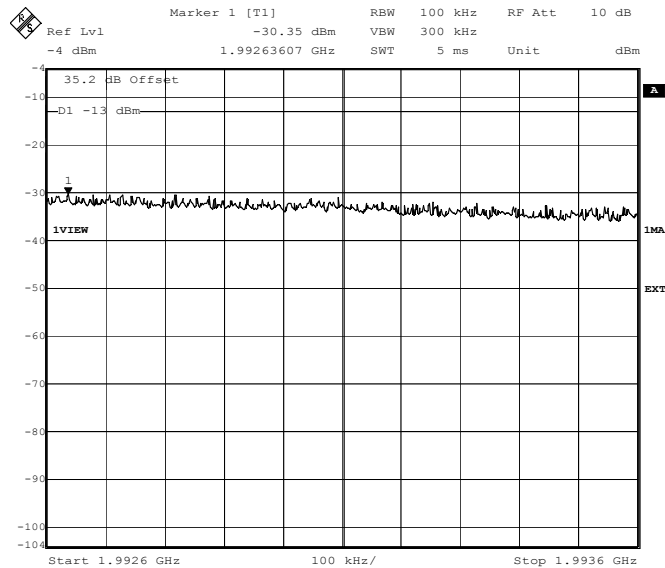
Third Band: 1992.6 to 1993.6 MHz

100 kHz Strip Number	Peak Power (nW/100kHz)	100 kHz Strip Number	Peak Power (nW/100kHz)
1	602.655	6	409.145
2	582.401	7	413.963
3	574.815	8	383.003
4	551.092	9	361.735
5	407.806	10	378.014
Total Peak Power:		4664.629 nW/MHz	

Band (MHz)	Peak Power (dBm/MHz)	Limit (dBm/MHz)	Margin (dB)	Status
1992.6 to 1993.6	23.3	-13.0	10.3	Complied

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch809&784. +41.5dBm. Conducted Spurious Emissions.
Without hybrid. 8PSK TX0&TX1. FCC Part 24.238
Date: 8.APR.2004 09:30:36

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)

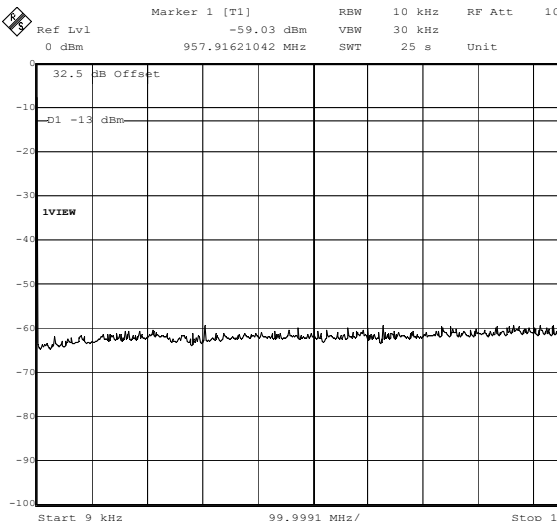
With TCC:

Result: 8PSK, TX0&TX1=513

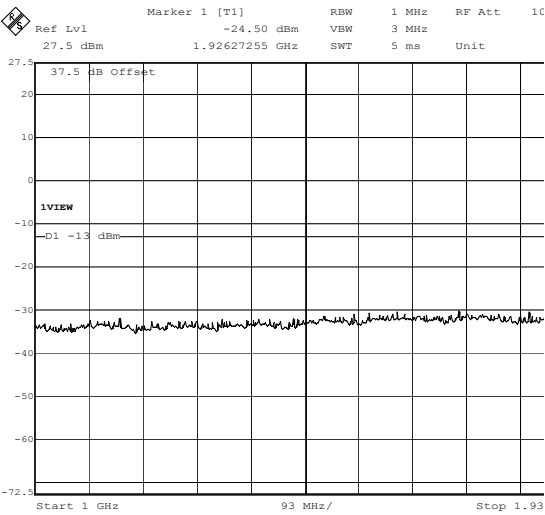
Band	Peak Power (dBm)	Limit (dBm)	Margin (dB)	Results
0.09 MHz to 1.0 GHz	-59.0	-13.0	46.0	Complied
1.0 GHz to 1.92627 GHz	-24.5	-13.0	11.5	Complied
1.99 GHz to 2.5 GHz	-22.9	-13.0	9.9	Complied
2.5 GHz to 10.0 GHz	-30.9	-13.0	17.9	Complied
10.0 GHz to 20.0 GHz	-23.3	-13.0	10.3	Complied

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

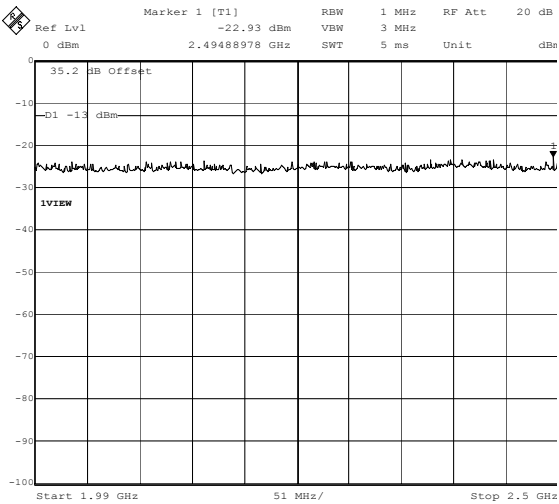
Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)



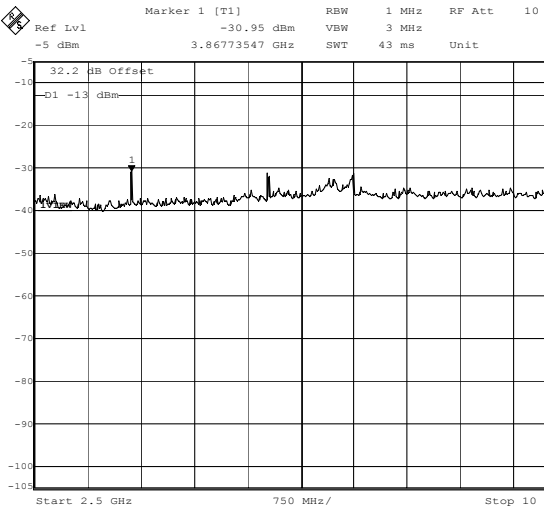
Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch5136538. +44.2dBm. Conducted Spurious Emissions. With TCC.
8PSK TX0/TX1. FCC Part 24.238
Date: 7.APR.2004 08:20:20



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch5136538. +44.2dBm. Conducted Spurious Emissions. With TCC.
8PSK TX0/TX1. FCC Part 24.238
Date: 6.APR.2004 16:06:52



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch5136538. +44.2dBm. Conducted Spurious Emissions. With TCC.
8PSK TX0/TX1. FCC Part 24.238
Date: 7.APR.2004 08:05:00



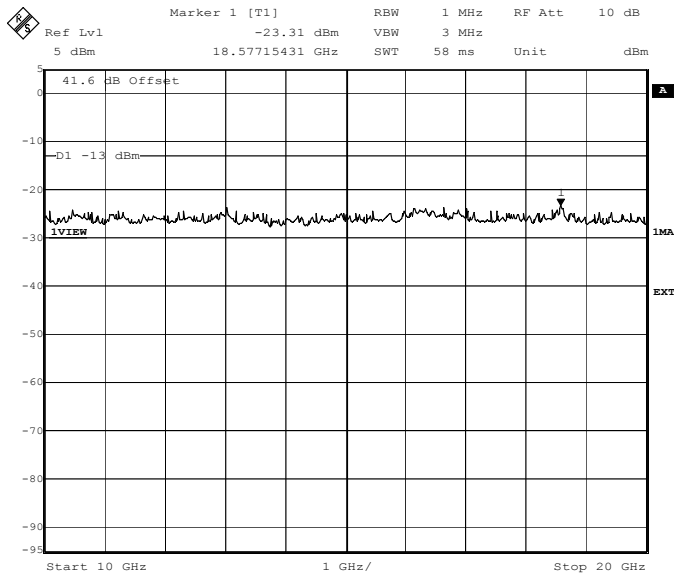
Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch5136538. +44.2dBm. Conducted Spurious Emissions. With TCC.
8PSK TX0/TX1. FCC Part 24.238
Date: 7.APR.2004 08:12:41

RADIO FREQUENCY INVESTIGATION LTD.

TEST REPORT
S.No: RFI/MPTB2/RP46053JD01B
Page 105 of 156
Issue Date: 13 May 2004

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch513&538. +44.2dBm. Conducted Spurious Emissions. With TCC.
8PSK TX0/TX1. FCC Part 24.238
Date: 7.APR.2004 08:24:48

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)**Results: 8PSK, TX0&TX1=513 (Continued)**

1st 1 MHz block immediately outside adjacent frequency block.

First Band: 1925.4 to 1926.4 MHz

100 kHz Strip Number	Peak Power (nW/100kHz)	100 kHz Strip Number	Peak Power (nW/100kHz)
1	288.375	6	602.090
2	336.251	7	569.326
3	461.904	8	1054.000
4	428.962	9	722.056
5	467.781	10	1130.000
Total Peak Power:		6060.745 nW/MHz	

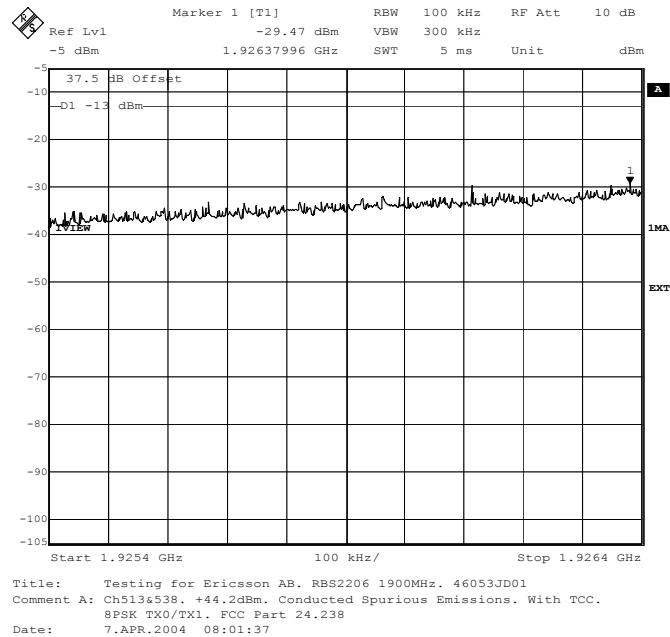
Band (MHz)	Peak Power (dBm/MHz)	Limit (dBm/MHz)	Margin (dB)	Status
1925.4 to 1926.4	-22.2	-13.0	9.2	Complied

RADIO FREQUENCY INVESTIGATION LTD.

TEST REPORT
S.No: RFI/MPTB2/RP46053JD01B
Page 107 of 156
Issue Date: 13 May 2004

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)



Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)**Results: 8PSK, TX0&TX1=513 (Continued)**

2nd 1 MHz block immediately outside adjacent frequency block.

Second Band: 1926.4 to 1927.4 MHz

100 kHz Strip Number	Peak Power (nW/100kHz)	100 kHz Strip Number	Peak Power (nW/100kHz)
1	984.936	6	1466.000
2	1079.000	7	1210.000
3	1043.000	8	1458.000
4	1072.000	9	1632.000
5	1191.000	10	1519.000
Total Peak Power:		12654.936 nW/MHz	

Band (MHz)	Peak Power (dBm/MHz)	Limit (dBm/MHz)	Margin (dB)	Status
1926.4 to 1927.4	-19.0	-13.0	6.0	Complied

RADIO FREQUENCY INVESTIGATION LTD.

TEST REPORT

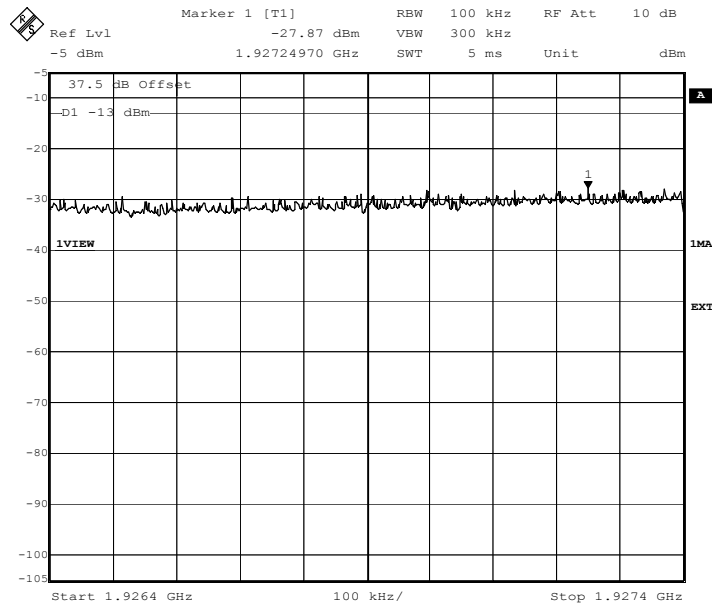
S.No: RFI/MPTB2/RP46053JD01B

Page 109 of 156

Issue Date: 13 May 2004

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch513&538. +44.2dBm. Conducted Spurious Emissions. With TCC.
8PSK TX0/TX1. FCC Part 24.238
Date: 7.APR.2004 07:59:04

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)**Results: 8PSK, TX0&TX1=513 (Continued)**

3rd 1 MHz block immediately outside adjacent frequency block.

Third Band: 1927.4 to 1928.4 MHz

100 kHz Strip Number	Peak Power (nW/100kHz)	100 kHz Strip Number	Peak Power (nW/100kHz)
1	1802.000	6	3045.000
2	2134.000	7	3404.000
3	2095.000	8	2934.000
4	2029.000	9	3110.000
5	2369.000	10	4038.000
Total Peak Power:		26960.000 nW/MHz	

Band (MHz)	Peak Power (dBm/MHz)	Limit (dBm/MHz)	Margin (dB)	Status
1927.4 to 1928.4	-15.7	-13.0	2.7	Complied

RADIO FREQUENCY INVESTIGATION LTD.

TEST REPORT

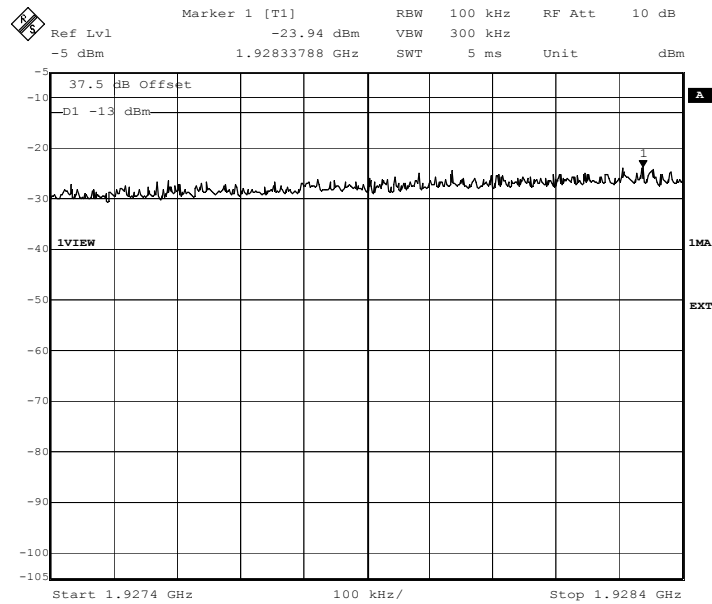
S.No: RFI/MPTB2/RP46053JD01B

Page 111 of 156

Issue Date: 13 May 2004

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: CH513&538. +44.2dBm. Conducted Spurious Emissions. With TCC.
8PSK TX0/TX1. FCC Part 24.238
Date: 7.APR.2004 07:55:42

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)**Results: 8PSK, TX0&TX1=513 (Continued)**

4th 1 MHz block immediately outside adjacent frequency block.

Fourth Band: 1928.4 to 1929.4 MHz

100 kHz Strip Number	Peak Power (nW/100kHz)	100 kHz Strip Number	Peak Power (nW/100kHz)
1	3915.000	6	5006.000
2	4159.000	7	3792.000
3	4923.000	8	3904.000
4	4408.000	9	3348.000
5	4533.000	10	4619.000
Total Peak Power:		42607.000 nW/MHz	

Band (MHz)	Peak Power (dBm/MHz)	Limit (dBm/MHz)	Margin (dB)	Status
1928.4 to 1929.4	-13.7	-13.0	0.7	Complied

RADIO FREQUENCY INVESTIGATION LTD.

TEST REPORT

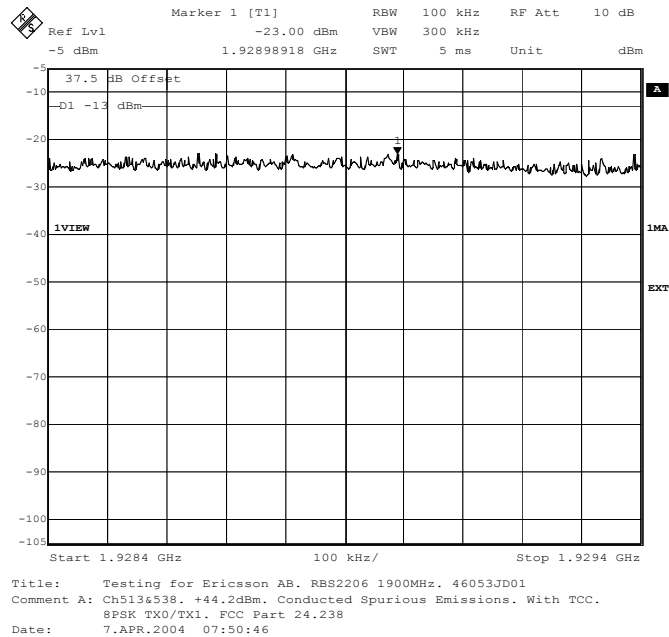
S.No: RFI/MPTB2/RP46053JD01B

Page 113 of 156

Issue Date: 13 May 2004

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)



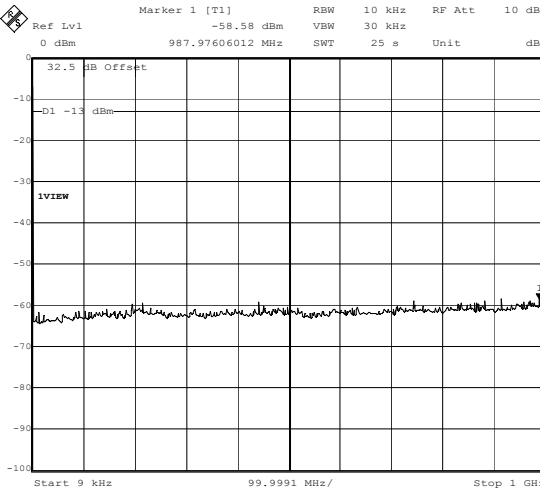
Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)**Result: 8PSK, TX0&TX1=809 (Continued)**

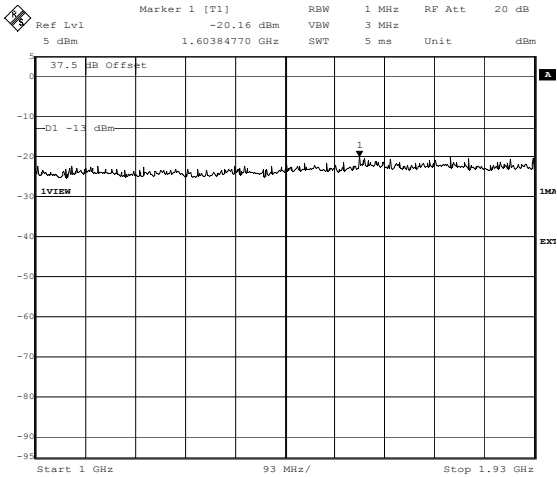
Band	Peak Power (dBm)	Limit (dBm)	Margin (dB)	Results
0.09 MHz to 1.0 GHz	-58.5	-13.0	45.5	Complied
1.0 GHz to 1.93 GHz	-20.1	-13.0	7.1	Complied
1.99306 GHz to 2.5 GHz	-14.5	-13.0	1.5	Complied
2.5 GHz to 10.0 GHz	-30.3	-13.0	17.3	Complied
10.0 GHz to 20.0 GHz	-22.6	-13.0	9.6	Complied

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

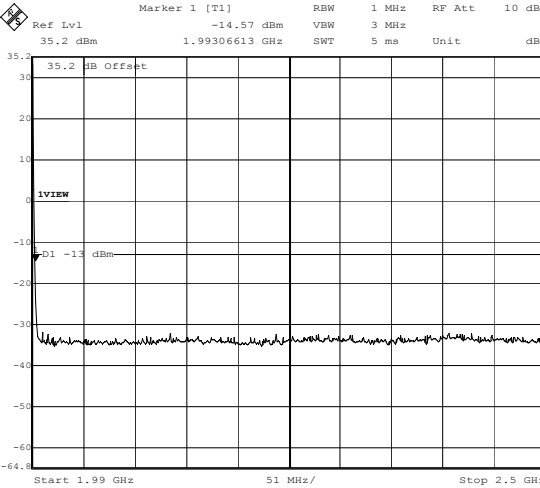
Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)



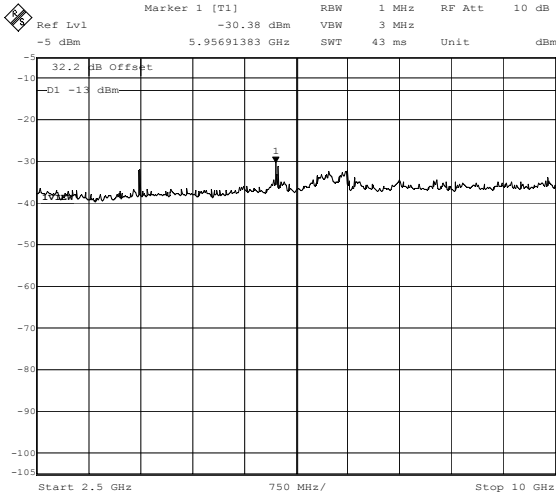
Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch784&809. +44.2dBm. Conducted Spurious Emissions. With TCC.
8PSK TX0/TX1. FCC Part 24.238
Date: 7.APR.2004 09:37:17



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch784&809. +44.2dBm. Conducted Spurious Emissions. With TCC.
8PSK TX0/TX1. FCC Part 24.238
Date: 7.APR.2004 09:43:25



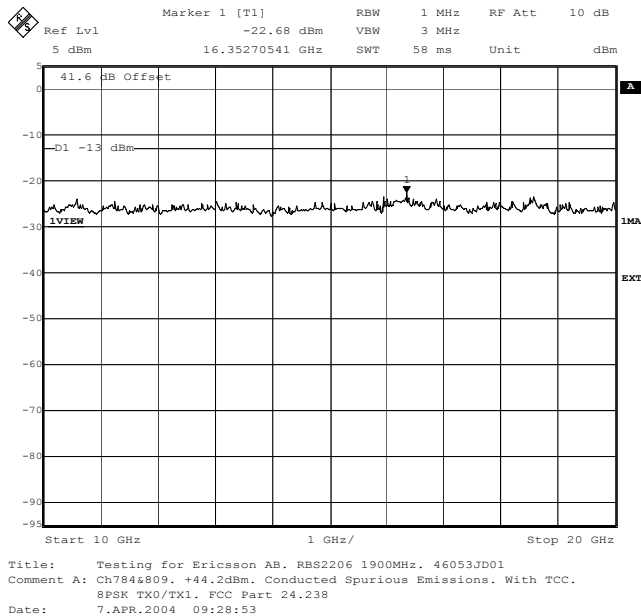
Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch784&809. +44.2dBm. Conducted Spurious Emissions. With TCC.
8PSK TX0/TX1. FCC Part 24.238
Date: 7.APR.2004 09:48:27



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch784&809. +44.2dBm. Conducted Spurious Emissions. With TCC.
8PSK TX0/TX1. FCC Part 24.238
Date: 7.APR.2004 10:01:19

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)



Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)**Results: 8PSK, TX0&TX1=809 (Continued)**

1st 1 MHz block immediately outside adjacent frequency block.

First Band: 1990.6 to 1991.6 MHz

100 kHz Strip Number	Peak Power (nW/100kHz)	100 kHz Strip Number	Peak Power (nW/100kHz)
1	269.570	6	1314.000
2	452.908	7	1423.000
3	859.865	8	1733.000
4	866.737	9	1452.000
5	925.031	10	1578.000
Total Peak Power:		10874.111 nW/MHz	

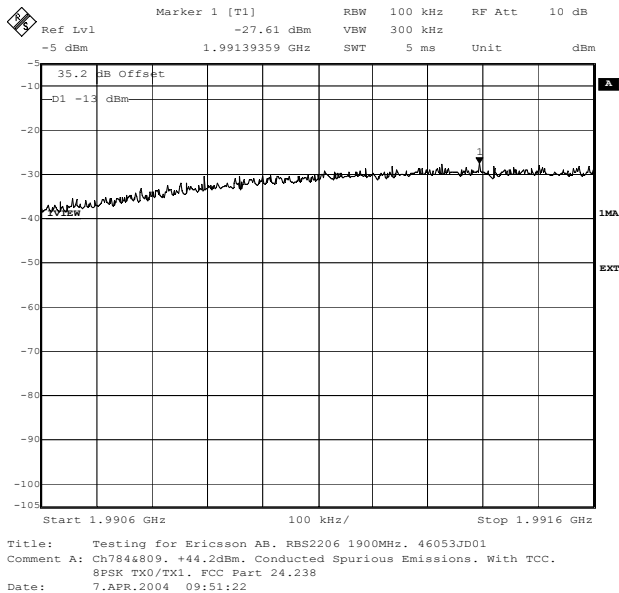
Band (MHz)	Peak Power (dBm/MHz)	Limit (dBm/MHz)	Margin (dB)	Status
1990.6 to 1991.6	-19.6	-13.0	6.6	Complied

RADIO FREQUENCY INVESTIGATION LTD.

TEST REPORT
S.No. RFI/MPTB2/RP46053JD01B
Page 118 of 156
Issue Date: 13 May 2004

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)



Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)**Results: 8PSK, TX0&TX1=809 (Continued)**

2nd 1 MHz block immediately outside adjacent frequency block.

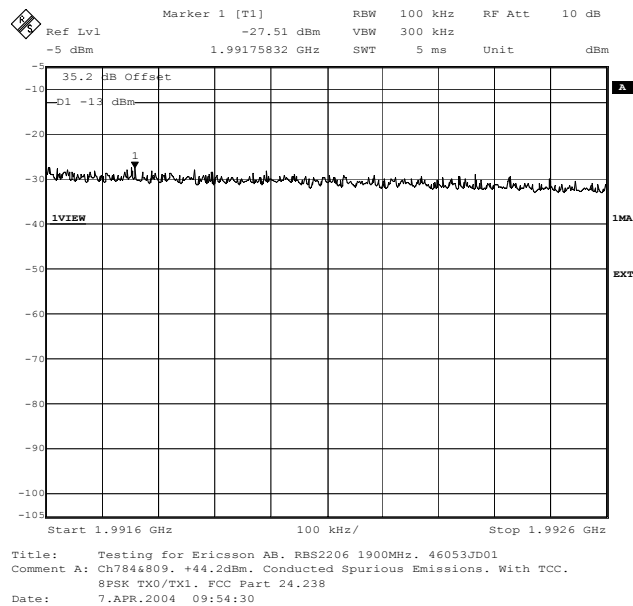
Second Band: 1991.6 to 1992.6 MHz

100 kHz Strip Number	Peak Power (nW/100kHz)	100 kHz Strip Number	Peak Power (nW/100kHz)
1	1733	6	1183
2	1774	7	1096
3	1524	8	1195
4	1413	9	1068
5	1226	10	879
Total Peak Power:		13090.999 nW/MHz	

Band (MHz)	Peak Power (dBm/MHz)	Limit (dBm/MHz)	Margin (dB)	Status
1991.6 to 1992.6	-18.8	-13.0	5.8	Complied

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)



Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)**Results: 8PSK, TX0&TX1=809 (Continued)**

3rd 1 MHz block immediately outside adjacent frequency block.

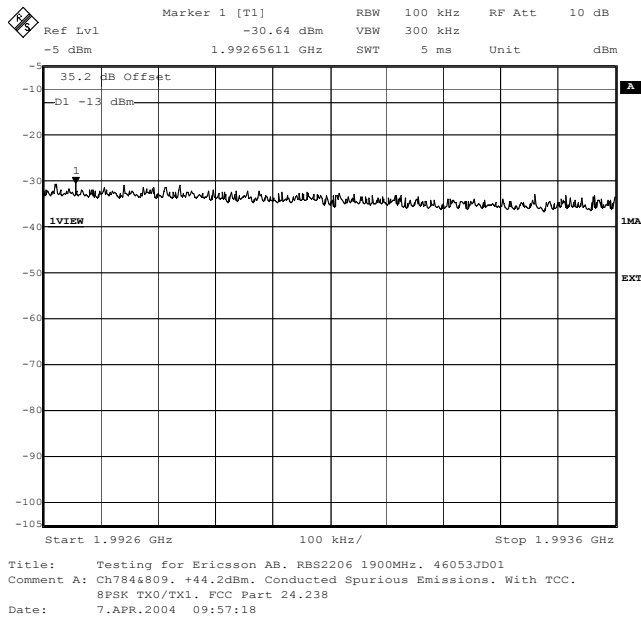
Third Band: 1992.6 to 1993.6 MHz

100 kHz Strip Number	Peak Power (nW/100kHz)	100 kHz Strip Number	Peak Power (nW/100kHz)
1	862.284	6	521.711
2	774.600	7	461.688
3	757.028	8	392.260
4	587.057	9	475.735
5	554.867	10	458.027
Total Peak Power:		5845.257 nW/MHz	

Band (MHz)	Peak Power (dBm/MHz)	Limit (dBm/MHz)	Margin (dB)	Status
1992.6 to 1993.6	-22.3	-13.0	9.3	Complied

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Out of Band Emissions: Section 2.1051/24.238(a) (Continued)



Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

7.8. Transmitter Conducted Intermodulation Responses: Section 2.1051/24.238 (a)

7.8.1. The EUT was configured as for conducted emissions testing as described in Section 9 of this report.

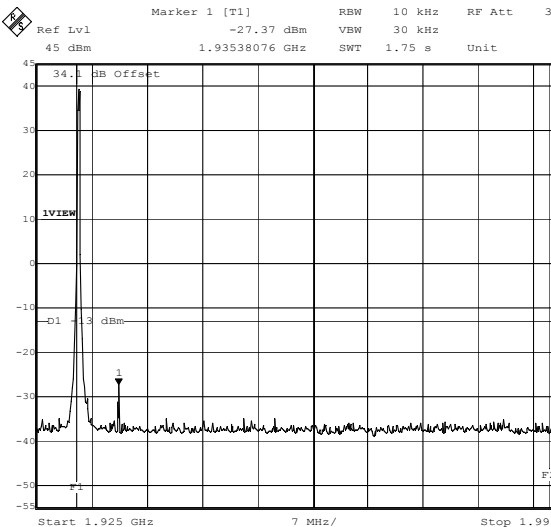
7.8.2. Tests were performed to identify the level of any Intermodulation responses present.

Without hybrid:**Results: 8PSK, TX0 and TX1**

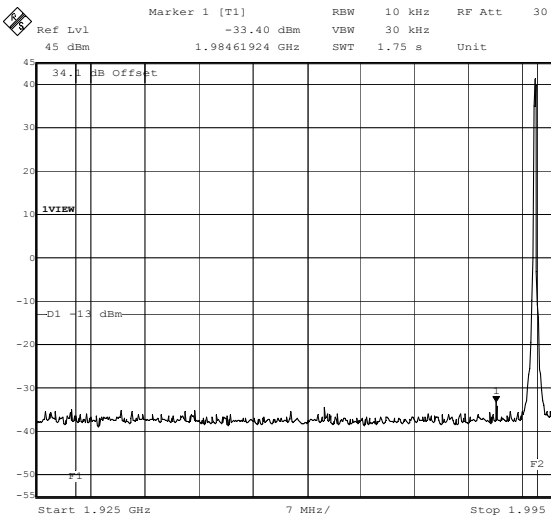
TX	Channel pair	Peak Power Emission (dBm)	Frequency (MHz)	Limit (dBm)	Margin (dB)	Result
TX0/TX1	513&538	-23.4	1935.38076	-13.0	10.4	Complied
TX0/TX1	809&784	-33.4	1984.61924	-13.0	20.4	Complied
TX1/TX0	513&538	-32.5	1935.38076	-13.0	19.5	Complied
TX1/TX0	809&784	-34.1	1984.61924	-13.0	21.1	Complied

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

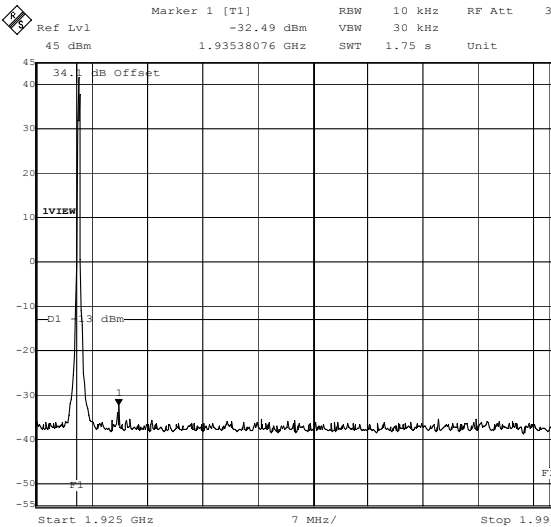
Transmitter Conducted Intermodulation Responses: Section 2.1051/24.238 (a) (Continued)



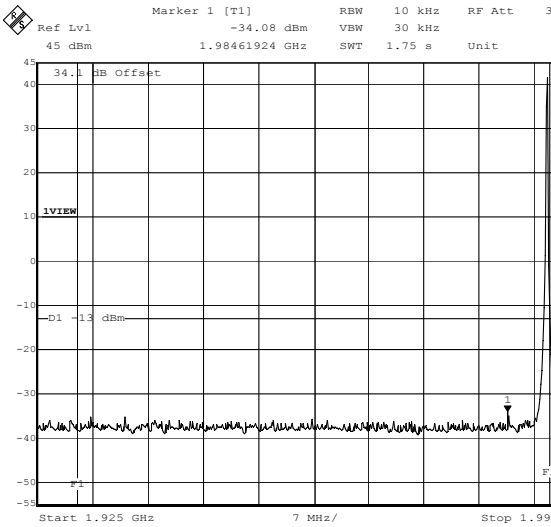
Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch5136538. +41.5dBm. TX Inband Intermodulation.
Without hybrid. 8PSK TX0&TX1. FCC Part 24.238
Date: 8.APR.2004 08:04:08



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch8096784. +41.5dBm. TX Inband Intermodulation.
Without hybrid. 8PSK TX0&TX1. FCC Part 24.238
Date: 8.APR.2004 09:11:43



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch5136538. +41.5dBm. TX Inband Intermodulation.
Without hybrid. 8PSK TX1&TX0. FCC Part 24.238
Date: 8.APR.2004 10:18:17



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch8096784. +41.5dBm. TX Inband Intermodulation.
Without hybrid. 8PSK TX1&TX0. FCC Part 24.238
Date: 8.APR.2004 12:51:24

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Intermodulation Responses: Section 2.1051/24.238 (a) (Continued)

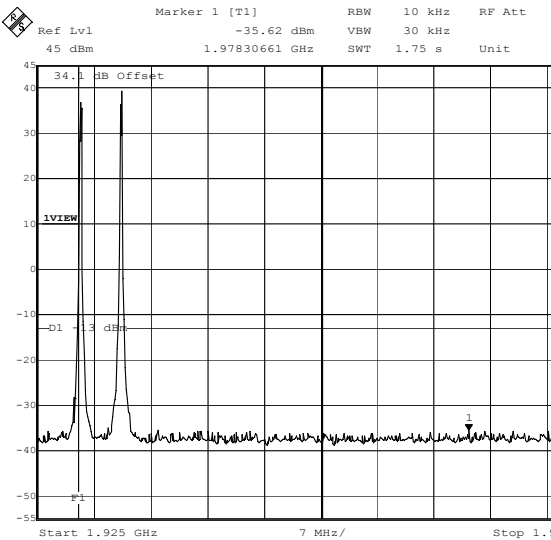
With hybrid:

Results: 8PSK, TX0 and TX1

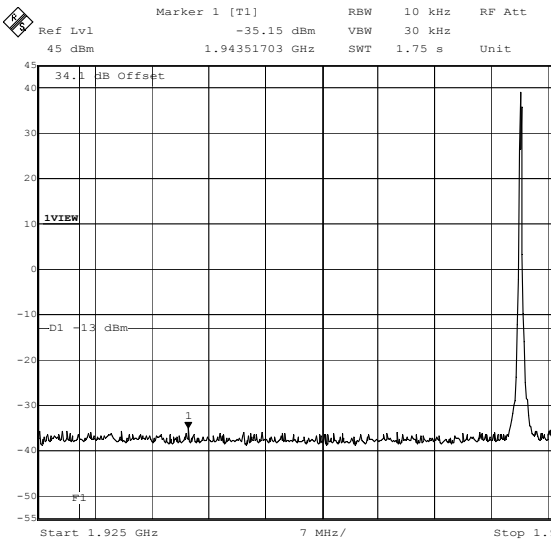
TX	Channel pair	Peak Power Emission (dBm)	Frequency (MHz)	Limit (dBm)	Margin (dB)	Result
TX0/TX1	513&538	-35.6	1978.30661	-13.0	22.6	Complied
TX0/TX1	809&784	-35.2	1943.51703	-13.0	22.2	Complied

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Intermodulation Responses: Section 2.1051/24.238 (a) (Continued)



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch5136538. +38.2dBm. TX Inband Intermodulation. With hybri
8PSK TX0/TX1. FCC Part 24.238
Date: 7.APR.2004 12:55:18



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch7846809. +38.2dBm. TX Inband Intermodulation. With hybri
8PSK TX0/TX1. FCC Part 24.238
Date: 7.APR.2004 14:42:11

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

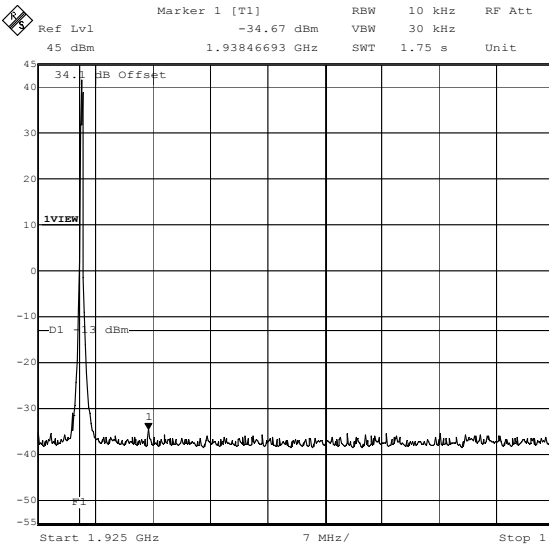
Transmitter Conducted Intermodulation Responses: Section 2.1051/24.238 (a) (Continued)
With TCC:

Results: GMSK, TX4 and TX5

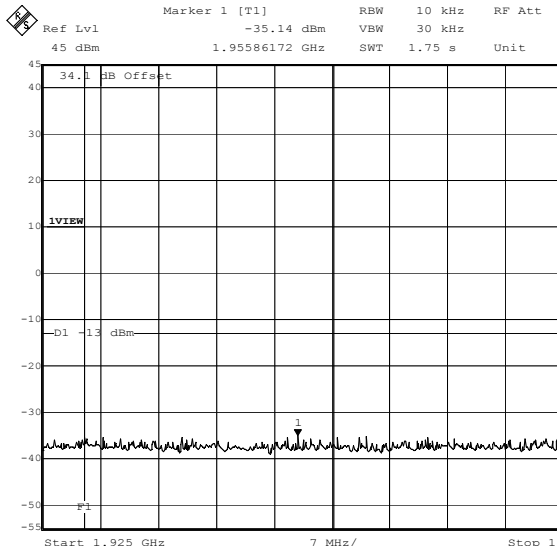
TX	Channel pair	Peak Power Emission (dBm)	Frequency (MHz)	Limit (dBm)	Margin (dB)	Result
TX0/TX1	513&538	-34.7	1938.46693	-13.0	21.7	Complied
TX0/TX1	809&784	-35.1	1955.86172	-13.0	22.1	Complied

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Intermodulation Responses: Section 2.1051/24.238 (a) (Continued)



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch5136538. +44.2dBm. TX Inband Intermodulation. With TCC.
8PSK TX0/TX1. FCC Part 24.238
Date: 6.APR.2004 09:48:19



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch7846809. +44.2dBm. TX Inband Intermodulation. With TCC.
8PSK TX0/TX1. FCC Part 24.238
Date: 6.APR.2004 10:39:56

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

7.9.Transmitter Conducted Emissions at Band Edges: Section 2.1051/24.238

7.9.1. The EUT was configured as for conducted emissions at band edges testing as described in Section 9 of this report.

7.9.2. Tests were performed to identify the maximum conducted band edge emissions.

Without hybrid:

Results: 8PSK – TX0

Lower Band Edge

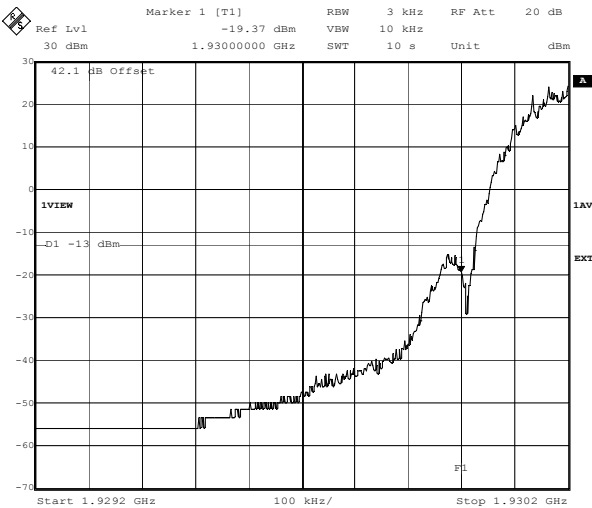
Frequency (MHz)	Output Power (dBm)	ARFCN	Peak Emission Level (dBm)	Limit (dBm)	Margin (dB)	Result
1930.0	35.5	512	-19.3	-13.0	6.3	Complied
1930.0	41.5	513	-37.6	-13.0	24.6	Complied

Upper Band Edge

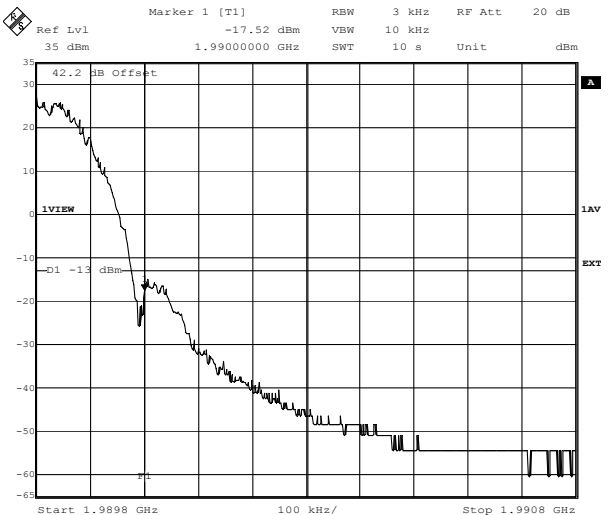
Frequency (MHz)	Output Power (dBm)	ARFCN	Peak Emission Level (dBm)	Limit (dBm)	Margin (dB)	Result
1990.0	37.5	810	-17.5	-13.0	4.5	Complied
1990.0	41.5	809	-38.2	-13.0	25.2	Complied

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

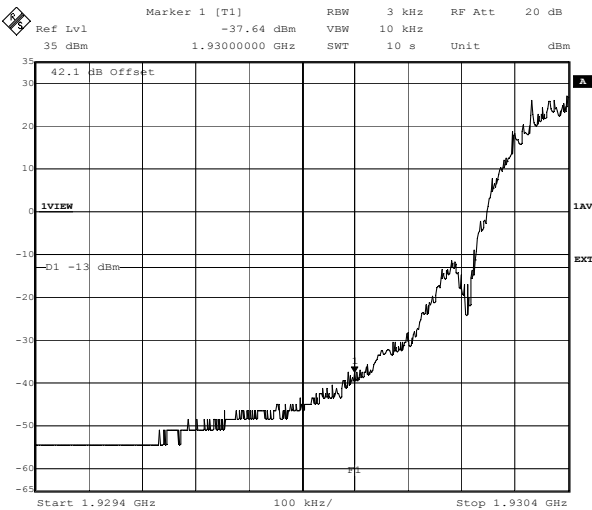
Transmitter Conducted Emissions at Band Edges: Section 2.1051/24.238 (Continued)



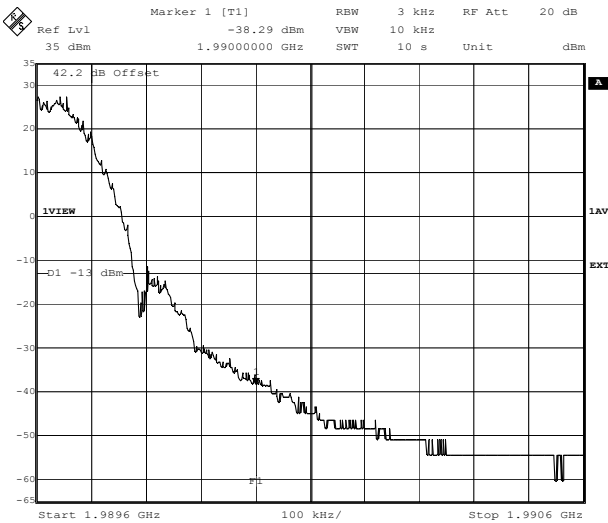
Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch512. +35.5dBm. Band Edges. Without hybrid. 8PSK TX0.
FCC Part 24.238
Date: 2.APR.2004 10:19:17



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch810. +37.5dBm. Band Edges. Without hybrid. 8PSK TX0.
FCC Part 24.238
Date: 2.APR.2004 10:40:55



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch513. +41.5dBm. Band Edges. Without hybrid. 8PSK TX0.
FCC Part 24.238
Date: 2.APR.2004 10:24:17



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch809. +41.5dBm. Band Edges. Without hybrid. 8PSK TX0.
FCC Part 24.238
Date: 2.APR.2004 10:30:59

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Emissions at Band Edges: Section 2.1051/24.238 (Continued)**Results: 8PSK – TX1****Lower Band Edge**

Frequency (MHz)	Output Power (dBm)	ARFCN	Peak Emission Level (dBm)	Limit (dBm)	Margin (dB)	Result
1930.0	35.5	512	-18.9	-13.0	5.9	Complied
1930.0	41.5	513	-42.5	-13.0	29.5	Complied

Upper Band Edge

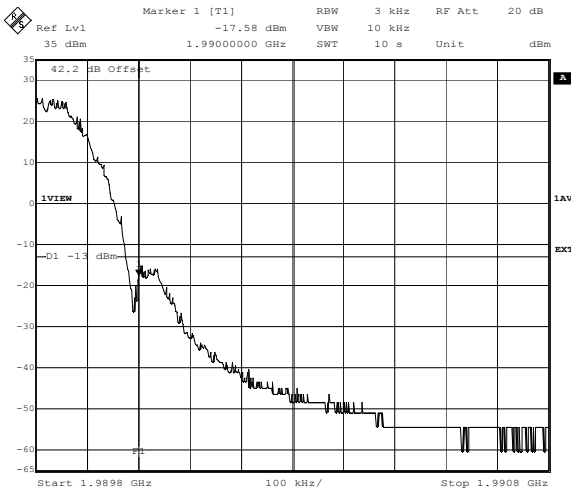
Frequency (MHz)	Output Power (dBm)	ARFCN	Peak Emission Level (dBm)	Limit (dBm)	Margin (dB)	Result
1990.0	37.5	810	-17.5	-13.0	4.5	Complied
1990.0	41.5	809	-38.9	-13.0	25.9	Complied

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

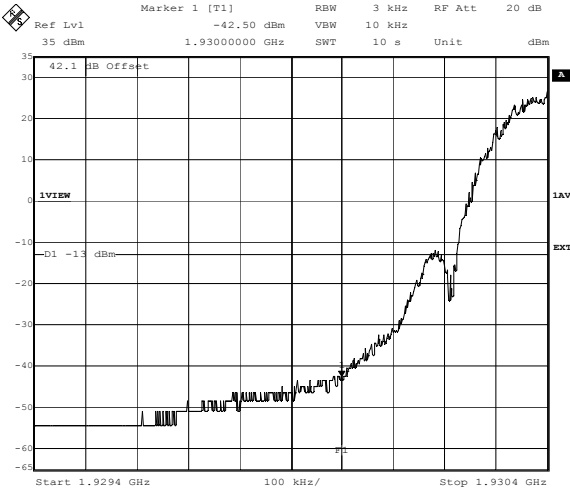
Transmitter Conducted Emissions at Band Edges: Section 2.1051/24.238 (Continued)



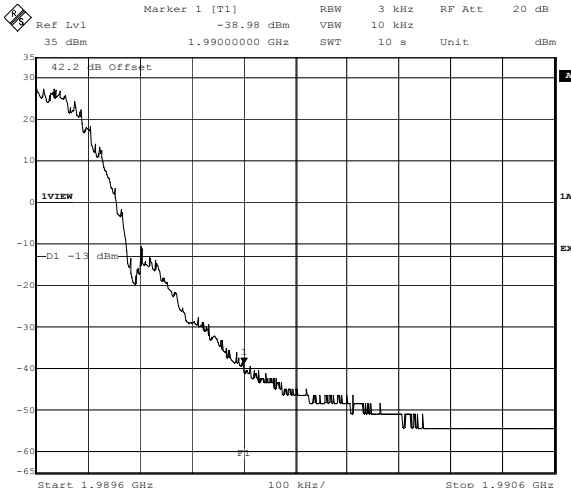
Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch512. +35.5dBm. Band Edges. Without hybrid. 8PSK TX1.
FCC Part 24.238
Date: 2.APR.2004 11:20:14



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch810. +37.5dBm. Band Edges. Without hybrid. 8PSK TX1.
FCC Part 24.238
Date: 2.APR.2004 13:24:39



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch513. +41.5dBm. Band Edges. Without hybrid. 8PSK TX1.
FCC Part 24.238
Date: 2.APR.2004 11:23:59



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch809. +41.5dBm. Band Edges. Without hybrid. 8PSK TX1.
FCC Part 24.238
Date: 2.APR.2004 13:18:47

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Conducted Emissions at Band Edges: Section 2.1051/24.238 (Continued)**With TCC:****Results: 8PSK – TX0+TX1****Lower Band Edge**

Frequency (MHz)	Output Power (dBm)	ARFCN	Peak Emission Level (dBm)	Limit (dBm)	Margin (dB)	Result
1930.0	40.2	512	-18.3	-13.0	5.3	Complied
1930.0	44.2	513	-38.9	-13.0	25.9	Complied

Upper Band Edge

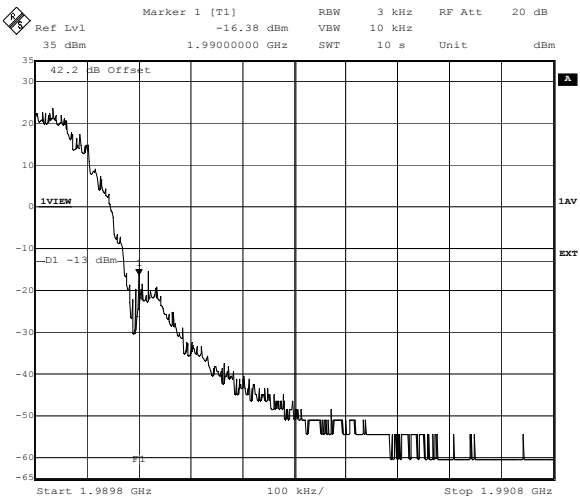
Frequency (MHz)	Output Power (dBm)	ARFCN	Peak Emission Level (dBm)	Limit (dBm)	Margin (dB)	Result
1990.0	40.2	810	-16.3	-13.0	3.3	Complied
1990.0	44.2	809	-37.0	-13.0	24.0	Complied

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

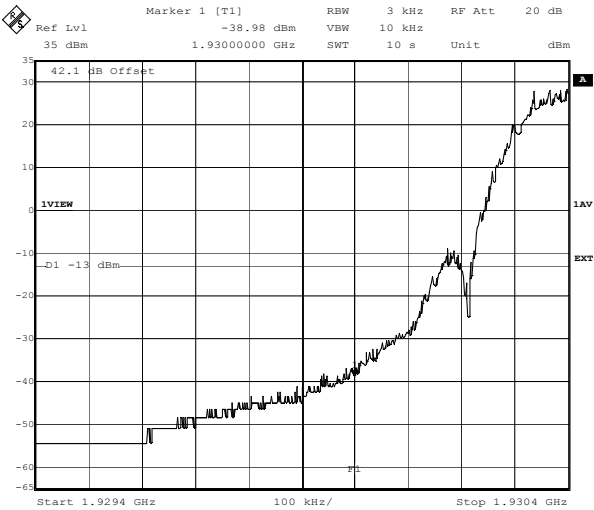
Transmitter Conducted Emissions at Band Edges: Section 2.1051/24.238 (Continued)



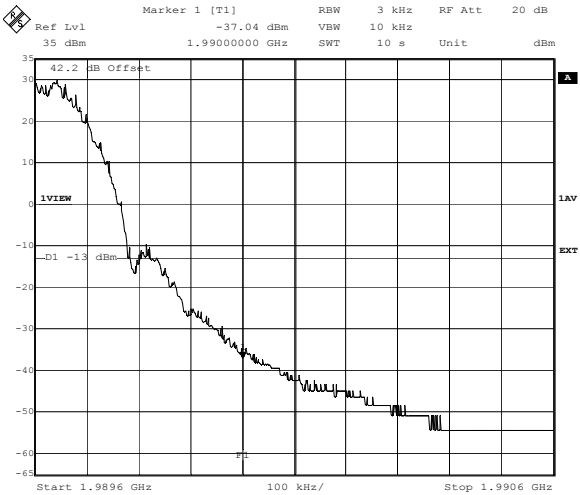
Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch512. +40.2dBm. Band Edges. With TCC. 8PSK TX0+TX1.
FCC Part 24.238
Date: 1.APR.2004 11:40:25



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch810. +40.2dBm. Band Edges. With TCC. 8PSK TX0+TX1.
FCC Part 24.238
Date: 2.APR.2004 14:38:05



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch513. +44.2dBm. Band Edges. With TCC. 8PSK TX0+TX1.
FCC Part 24.238
Date: 1.APR.2004 13:39:17



Title: Testing for Ericsson AB. RBS2206 1900MHz. 46053JD01
Comment A: Ch809. +44.2dBm. Band Edges. With TCC. 8PSK TX0+TX1.
FCC Part 24.238
Date: 1.APR.2004 13:36:12

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

7.10. Transmitter Radiated Emissions: Section 2.1053/24.238 (a)

Electric Field Strength Measurements of Spurious Emissions and Intermodulation Products: 30 MHz to 20 GHz

7.10.1. The EUT was configured as for radiated emissions testing as described in Section 9 of this report.

7.10.2. Tests were performed to identify the field strength of spurious emissions.

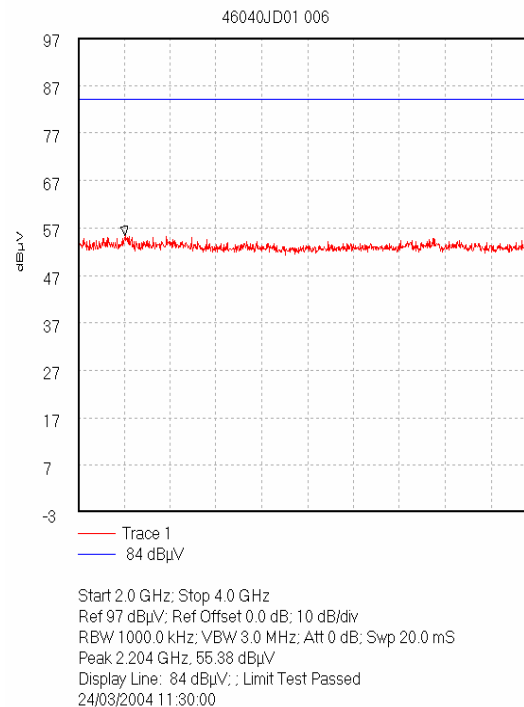
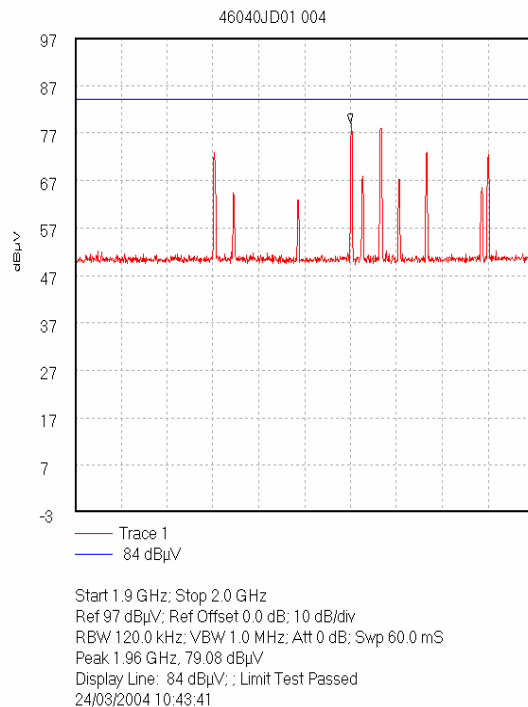
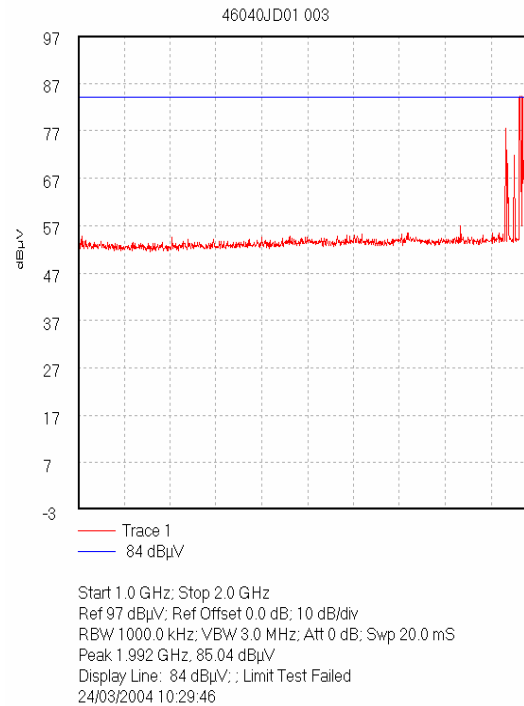
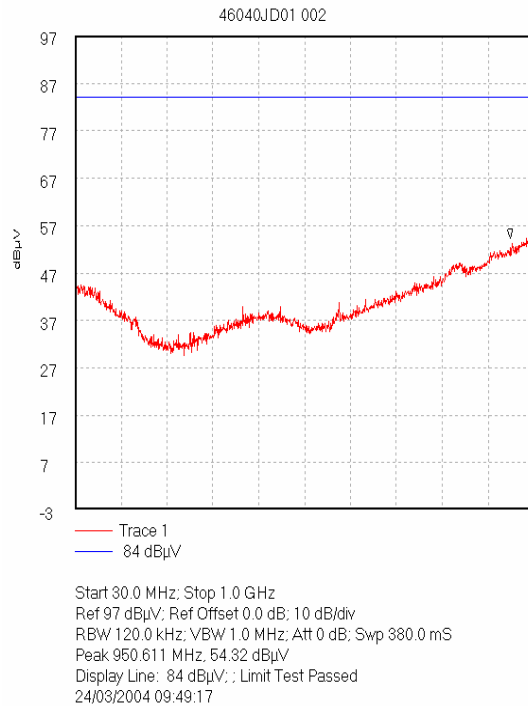
7.10.3. Tests were also performed to identify the field strength of any Intermodulation responses present.

Results:

Excluding the fundamental emissions, all other indicated spurious and Intermodulation responses were at least 20 dB below the relevant limit; therefore no final measurements were performed

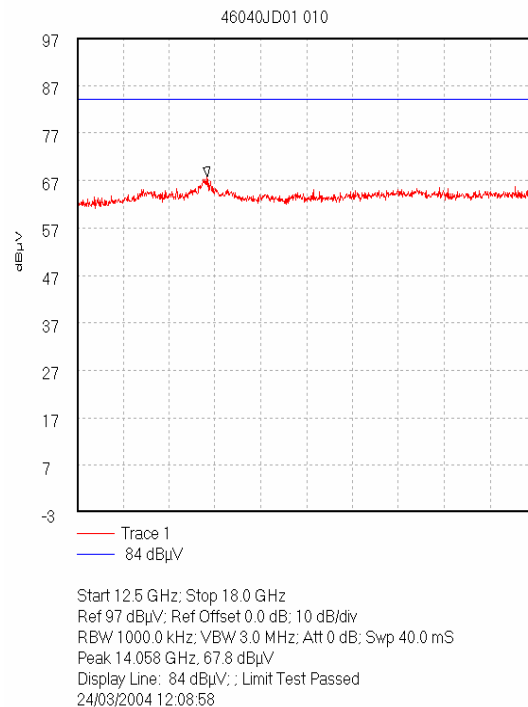
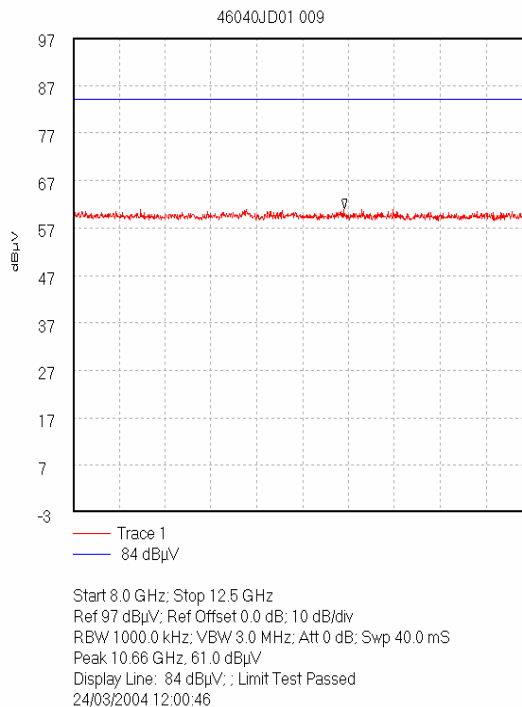
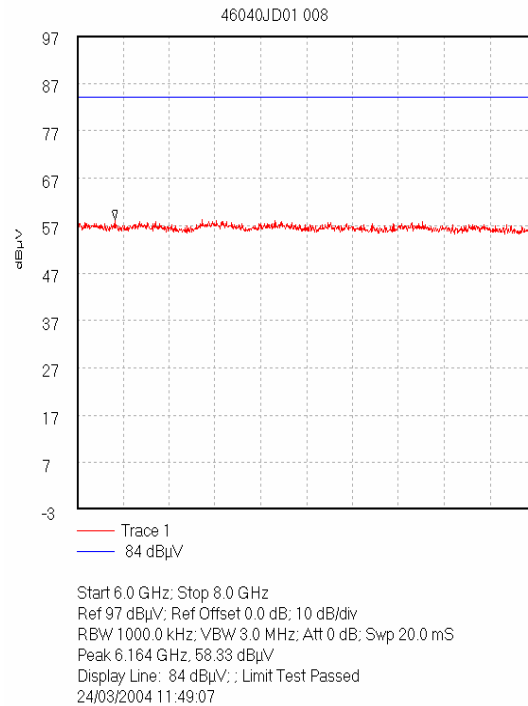
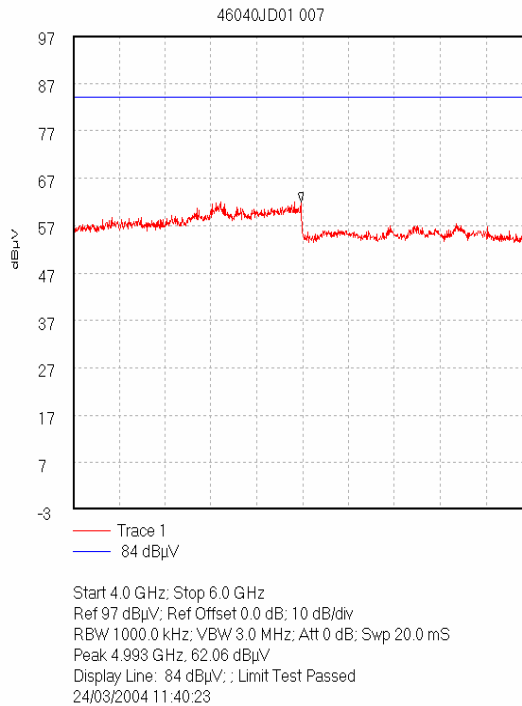
Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Radiated Emissions: Section 2.1053/24.238 (a) (Continued)



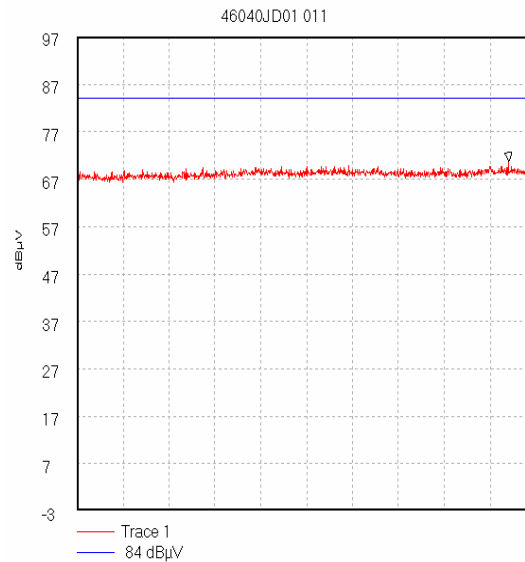
Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Radiated Emissions: Section 2.1053/24.238 (a) (Continued)



Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Transmitter Radiated Emissions: Section 2.1053/24.238 (a) (Continued)



Start 18.0 GHz; Stop 20.0 GHz
Ref 97 dBμV; Ref Offset 0.0 dB; 10 dB/div
RBW 1000.0 kHz; VBW 3.0 MHz; Att 0 dB; Swp 20.0 mS
Peak 19.882 GHz, 70.77 dBμV
Display Line: 84 dBμV; Limit Test Passed
24/03/2004 12:19:07

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

8. Measurement Uncertainty

8.1. No measurement or test can ever be perfect and the imperfections give rise to error of measurement in the results. Consequently, the result of a measurement is only an approximation to the value of the measurand (the specific quantity subject to measurement) and is only complete when accompanied by a statement of the uncertainty of the approximation.

8.2. The expression of uncertainty of a measurement result allows realistic comparison of results with reference values and limits given in specifications and standards.

8.3. The uncertainty of the result may need to be taken into account when interpreting the measurement results.

8.4. The reported expanded uncertainties below are based on a standard uncertainty multiplied by an appropriate coverage factor, such that a confidence level of approximately 95% is maintained. For the purposes of this document “approximately” is interpreted as meaning “effectively” or “for most practical purposes”.

Measurement Type	Range	Confidence Level	Calculated Uncertainty
Carrier Output Power	1930 to 1990 MHz	95%	+/- 0.6 dB
Frequency Stability	1930 to 1990 MHz	95%	+/- 5.0 Hz
Occupied Bandwidth	1930 to 1990 MHz	95%	+/- 5.0 Hz
Modulation Characteristics	1930 to 1990 MHz	95%	Phase error +/- 2.1° EVM (rms) <0.5% Origin Offset +/- 0.54 dB
Conducted Out of Band Emissions	9 kHz to 20 GHz	95%	+/- 4.4 dB
Conducted Emissions Inband Intermodulation	1930 to 1990 MHz	95%	+/- 0.7 dB
Radiated Spurious Emissions	30 MHz to 1000 MHz	95%	+/- 5.26 dB
Radiated Spurious Emissions	1 GHz to 26 GHz	95%	+/- 4.18 dB
Emissions at Band Edges	1930 to 1990 MHz	95%	+/- 0.7 dB

8.5. The methods used to calculate the above uncertainties are in line with those recommended within the various measurement specifications. Where measurement specifications do not include guidelines for the evaluation of measurement uncertainty, the published guidance of the appropriate accreditation body is followed.

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

9. Measurement Methods

9.1. Conducted Carrier Output Power

Tests were performed to identify the maximum transmit power in accordance with FCC Part 2.1046 (a) for conducted power, with reference to TIA_EIA_603B.

Measurements were made at the ARP output connectors and testing was performed on bottom, middle and top channels for 8PSK modulation on TX0 and TX1.

The BTS output was connected to a spectrum analyser, via cables, a 50 Ohm attenuator and two 20dB, 100W attenuators. The path loss was entered into the spectrum analyser as a reference level offset.

The test equipment settings for conducted carrier output power measurements were as follows:

Receiver Function	Setting
Detector Type:	Peak
Mode:	Max Hold
Bandwidth:	1 MHz
Step Size:	Continuous sweep
Sweep Time:	Coupled

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

9.2. Modulation Characteristics

Tests were performed to identify the modulation characteristics in accordance with FCC Part 2.1047, with reference to TIA_EIA_603B.

Measurements were made at the ARP output connectors and testing was performed on middle channel only.

The output was connected to a spectrum analyser, which was used in GSM BTS analyser mode, via cables and with 40 dB of attenuation in the path.

The EVM and Origin Offset were measured for 8PSK.

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

9.3. Frequency Stability

The EUT was situated within an environmental test chamber and connected to test equipment via an air link radiated from the antenna.

Measurements were performed with the EUT operating under extremes of temperature in 10 degree increments within the range -30 to 50 Deg C.

Measurements were also performed at voltage extremes between the declared nominal supply voltage and at the declared endpoint voltage.

The requirement was to determine the frequency stability of the device under specified environmental operating conditions.

Measurements were made on the bottom and top channels.

The EUT was switched off for a minimum of 30 minutes between each stage of testing while the environmental chamber stabilised at the next temperature within the stated temperature range.

The measured frequency (MHz) was compared to upper/lower band edge to provide a margin.

Margin (MHz) = $UBEF_{MHz} - MCF_{MHz}$ (for top channel),

Margin (MHz) = $MCF_{MHz} - LBEF_{MHz}$ (for bottom channel),

where,

MCF_{MHz} is the measured carrier frequency in MHz

$LBEF_{MHz}$ is the lower band edge carrier frequency in MHz

$UBEF_{MHz}$ is the upper band edge carrier frequency in MHz.

The client has stated that the authorised frequency band is:-

Lower Band Edge	1930 MHz
Upper Band Edge	1990 MHz

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

9.4. Occupied Bandwidth

The EUT was connected to a spectrum analyser enabled with an occupied bandwidth function.

Measurements were performed to determine the Occupied Bandwidth in accordance with FCC Part 2.1049. The Occupied Bandwidth was measured on the bottom middle and top channels.

The Occupied Bandwidth was measured using the built in occupied bandwidth function of the Rohde and Schwarz FSIQ spectrum analyser. It was set to measure the bandwidth where 99% of the signal power was contained. The analyser settings were set as per those outlined in the FSIQ user manual for this measurement, i.e., RBW $\leq$ 1/20 of occupied bandwidth. A value of 3 kHz was used.

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

9.5. Transmitter Conducted Emissions

Spurious emission measurements at the Antenna port were performed from 9 kHz to 10 times the highest EUT fundamental frequency as used in Section 7.7 of this report.

A spectrum analyser was connected to the antenna port of the EUT via cables, attenuators and filters. The total loss of the path was measured and entered as a reference level offset into the spectrum analyser to correct for the losses.

The limit in the standard states that emissions shall be attenuated by at least $43+10 \log(P)$ dB below the transmitter power (P), where (P) is the maximum measured fundamental power for the channel under test. This limit always reduces to -13 dBm as such, the limit line presented on the accompanying plots is set to -13 dBm.

The frequency band described above was investigated with the transmitter operating at full power on B+1 and T-1 channels. Any spurious emissions observed were recorded and compared to the -13 dBm limit. The requirement for the emission is to be less than -13 dBm.

It should be noted that FCC Part 24.238 states that the 1st MHz band immediately adjacent to the applicants declared frequency block may be measured using a resolution bandwidth of at least 1% of the emission bandwidth. This bandwidth was found to be 3 kHz.

The test equipment settings for conducted antenna port measurements were as follows:

Receiver Function	Settings
Detector Type:	Peak
Mode:	Max Hold
Bandwidth:	1 MHz >1GHz
Bandwidth:	10 kHz <1GHz
Step Size:	Continuous sweep
Sweep Time:	Coupled

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

9.6. Conducted Emissions Inband Intermodulation

Conducted Emissions Inband Intermodulation measurements were performed at the Antenna port.

A spectrum analyser was connected to the antenna port of the EUT via cables and attenuators. The total loss of the path was measured and entered as a reference level offset into the spectrum analyser to correct for the losses.

The base station was set up to transmit on two transmitters. First at bottom ARFCN and bottom ARFCN +25 and then on top ARFCN and top ARFCN -25, 5 MHz apart as this was stated by the client as being worst case for intermodulation purposes. However, as the band edge ARFCNs need to be reduced by 4dB, the adjacent channels were measured at full output power instead. Bottom ARFCN +1 and bottom ARFCN +26, top ARFCN -1 and top ARFCN -26.

The limit in the standard states that emissions shall be attenuated by at least $43+10 \log(P)$ dB below the transmitter power (P), where (P) is the maximum measured fundamental power for the channel under test. This limit always reduces to -13 dBm as such, the limit line presented on the accompanying plots is set to -13 dBm.

Any spurious emissions observed were recorded and compared to the -13 dBm limit. The requirement for the emission is to be less than -13 dBm.

The test equipment settings for conducted antenna port measurements were as follows:

Receiver Function:	Settings
Detector Type:	Peak
Mode:	Max Hold
Bandwidth:	10 kHz
Step Size:	Continuous sweep
Sweep Time:	Coupled

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

9.7. Transmitter Conducted Emissions at Band Edges

Testing was performed as per transmitter, conducted emissions.

The limit in the standard states that emissions shall be attenuated by at least $43+10 \log(P)$ dB below the transmitter power (P), where (P) is the maximum measured fundamental power for the channel under test. This limit always reduces to -13 dBm as such, the limit line presented on the accompanying plots is set to -13 dBm.

The transmitter power (P) measured at the antenna terminals and used to calculate the out of band emission limit as stated above was measured as 41.2 dBm without combiner, 38.5 dBm with combiner and 41.7 dBm with combiner in TCC using an average detector.

In without hybrid mode this unit must use a reduced transmit power by 6 dB to 35.5 dBm for the channels adjacent to each frequency band edge in order to show compliance.

In TCC mode this unit must use a reduced transmit power by 4 dB to 40.2 dBm for the channels adjacent to each frequency band edge in order to show compliance.

Receiver Function:	Settings
Detector Type:	Average
Mode:	Max Hold
Resolution Bandwidth:	3kHz
Sweep Time:	10 s

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

9.8. Transmitter Radiated Emissions

Radiated emissions measurements were performed in accordance with the standard, against appropriate limits for each detector function.

Initial pre-scans covering the entire measurement band from the lowest generated frequency declared up to 10 times the highest fundamental frequency were performed within a screened chamber in order to identify frequencies on which the EUT was generating interference. This determined the frequencies from the EUT, which required further examination.

The radiated scans were performed at 3 m test distance with 1.5 m antenna height in a anechoic lined screened room in the frequency range of 30.0 MHz to 1.0 GHz. Between 1.0 GHz and 20.0 GHz a 1 m test distance was used. A limit line was set to the specifications limit. Levels within 20 dB of this limit were measured where possible, on occasion; the receiver noise floor came within the 20 dB boundary.

The limit stated in the standard states that emissions shall be attenuated by at least $43+10 \log(P)$ dB below the transmitter power (P), where (P) is the maximum measured fundamental power for the channel under test. The limit line was determined by radiating -13 dBm from a dipole located in place of the EUT and measuring the equivalent field strength at the 3 meters.

At the shorter test distance of 1 meter all results or limits were corrected using $20\log(D1/D2)$ where D1 and D2 are the respective test distances.

Measurements were performed at 3 m test distance with 1.5 m antenna height in a screened room in the frequency range of 30 MHz to 20 GHz.

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Appendix 1. Test Equipment Used

Test Equipment Used for Testing at Ericsson AB

Description	Manufacturer	Model Number	Serial Number
1.5m N-type N-type cable	Suhner	Sucoflex 104E	12375/4E
2.0m N-type N-type cable	Suhner	Sucoflex 104E	7505/4E
Network Analyser	Hewlett Packard	8720D	US34440122
Calibration CTRL Unit	Hewlett Packard	85060C	US34440122
Calibration Module	Hewlett Packard	85062-60001	00135
Calibration Module	Hewlett Packard	85062-60002	00121
Measuring Receiver	Hewlett Packard	8902A	3538A04057
Sensor Module	Hewlett Packard	HP11792A	3528A01881
DC Power Supply	PowerBox	PBX4355-55	N/A
DC Power Supply	PowerBox	PBX4355-55	N/A
DC Power Supply	Xantrex	XKW55-55	N/A
Temperature & Humidity Indicator	Rotronic	Hygroclip D	18471013
RBS Master 2	Ericsson	LPY 107 1007/1	0000000222
PC	Compaq	Evo	CZC3230BNX
Spectrum Analyser	Rhode&Schwarz	FSIQ 26	838600/010
Temperature Chamber	Vötsch	VCS 7250/S	585660319
20dB, 100 W Attenuator	Weinschel Corp.	48-20-34	BC2571
20dB, 100 W Attenuator	Weinschel Corp.	48-20-43	BF9234
RBS Master 2	Ericsson	LPY 107 1007/1	0000000044
Spectrum Analyser	Rhode&Schwarz	FSIQ 26	836131/013
Notch Filter	Ericsson	LPY 108 16/2	3
RF Box 1900MHz	Ericsson	LPY 107 616	4
4.0m N-type N-type cable	Suhner	Sucoflex 104PE	30637/4PE
1.5m SMA-type N-type cable	Suhner	Sucoflex 104E	1978/4E
PC	Compaq	Evo	CZC3230BP2
1.5m N-type N-type cable	Suhner	Sucoflex 104E	2648/4E
10dB, 100 W Attenuator	Weinschel Corp.	48-10-33	BG0329

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Test Equipment Used for Testing at Ericsson AB (Continued)

Description	Manufacturer	Model Number	Serial Number
50 W Terminator	Weinschel Corp.	M1426	BL3563
10dB, 100 W Attenuator	Weinschel Corp.	48-10-43	BL6942
10dB, 100 W Attenuator	Weinschel Corp.	48-10-43	BL6953
10dB, 100 W Attenuator	Weinschel Corp.	48-10-43	BL6969
10dB, 100 W Attenuator	Weinschel Corp.	48-10-43	BL6943
10dB, 100 W Attenuator	Weinschel Corp.	48-10-43	BL6954
0.25m SMA-type SMA-type cable	Suhner	Sucoflex 104E	1895/4E
0.25m SMA-type N-type cable	Suhner	Sucoflex 104E	2695/4E
0.25m SMA-type SMA-type cable	Suhner	Sucoflex 104E	1666/4E
0.25m N-type N-type cable	Suhner	Sucoflex 104E	7744/4E
0.25m SMA-type N-type cable	Suhner	Sucoflex 104E	2689/4E
50 W Terminator	Weinschel Corp.	M1426	BL3590
50 W Terminator	Weinschel Corp.	M1426	BL3593
50 W Terminator	Weinschel Corp.	M1426	BL3577
50 W Terminator	Weinschel Corp.	M1426	BL3575
50 W Terminator	Weinschel Corp.	M1426	BL3580

RFI Test Equipment Used for Testing at Ericsson AB

Description	Manufacturer	Model Number	Serial Number
Multimeter	Fluke	77	63150434

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Test Equipment Used for Testing at Basingstoke

RFI No.	Instrument	Manufacturer	Type No.	Serial No.
A027	Horn Antenna	Eaton	9188-2	301
A031	2 to 4 GHz Eaton Horn Antenna	Eaton	91889-2	557
A051	ESH3-Z6 V-Network	Rohde & Schwarz	ESH3-Z6	892 563/007
A052	ESH3-Z6 V-Network	Rohde & Schwarz	ESH3-Z6	892 563/008
A254	WG 14 Microwave Horn	Flann Microwave	14240-20	139
A428	WG 12 horn	Flann	12240-20	134
A429	WG 16 horn	Flann	16240-20	561
A430	WG 18 horn	Flann	18240-20	425
A436	WG 20 horn	Flann	20240-20	330
A517	50 ohm 5W Load	Narda	370 BNF	N/A
A553	Bi-log Antenna	Chase	CBL6111A	1593
C1059	Cable	Rosenberger	1	1
C1083	Rosenberger	Rosenberger	001	2799
C300	Cable	Rosenberger	UFA 210A-1-0590-50x50	2683
C321	Cable	Rosenberger	UFA 210A-1-0788-50x50	96A0122
G087	PSU	Thurlby Thandar	CPX200	100701
M069	ESMI Spectrum Analyser / Receiver	Rohde & Schwarz	ESMI	829 808/007 (DU) / 827 063/008 (RU)
M1099	Load DC-18GHz	Narda	370 BNF	DC-18GHz
M244	Thermometer/Barometer/Hygrometer	Oregan Scientific	BA 116	None

Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

Test Equipment Used for Testing at Basingstoke (Continued)

RFI No.	Instrument	Manufacturer	Type No.	Serial No.
S011	D.C. PSU	INSTEK	PR-3010H	9401270
S215	Site 15	RFI	15	
S507	PSU	Weir	4000	988670/667
S509	Turntable controller	British Turntables	RH351	3510018

NB In accordance with UKAS requirements, all the measurement equipment is on a calibration schedule.

**Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)**
To: FCC Part 24: 2003

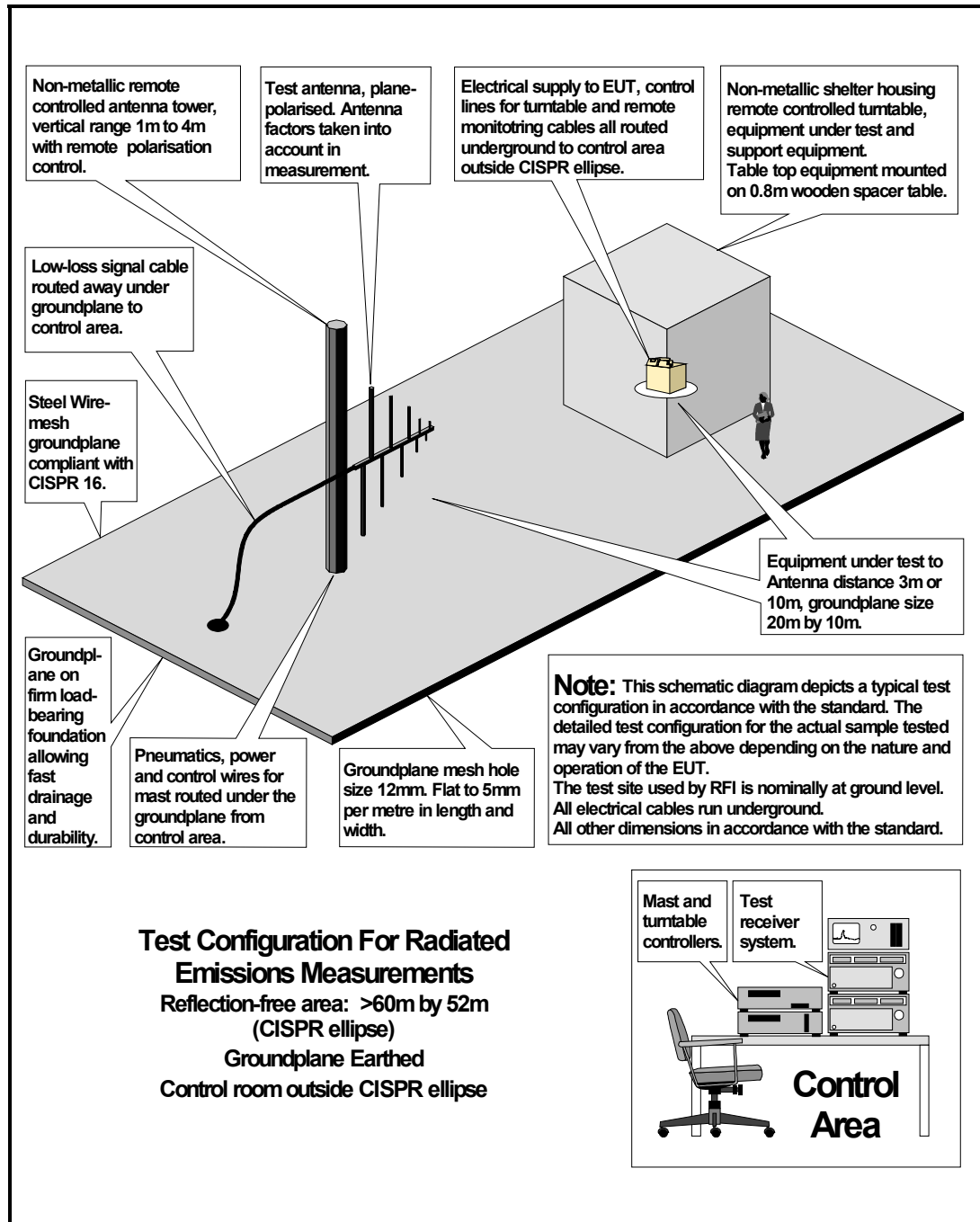
Appendix 2. Test Configuration Drawings

This Appendix contains the following drawings:

Drawing Reference Number	Title
DRG\46053JD01\EMIRAD	Test configuration for measurement of radiated emissions
DRG\46053JD01\001	Schematic diagram of the EUT, support equipment and interconnecting cables used for the conducted measurements in Mölndal.
DRG\46053JD01\002	Schematic diagram of the EUT, support equipment and interconnecting cables for testing in Basingstoke.

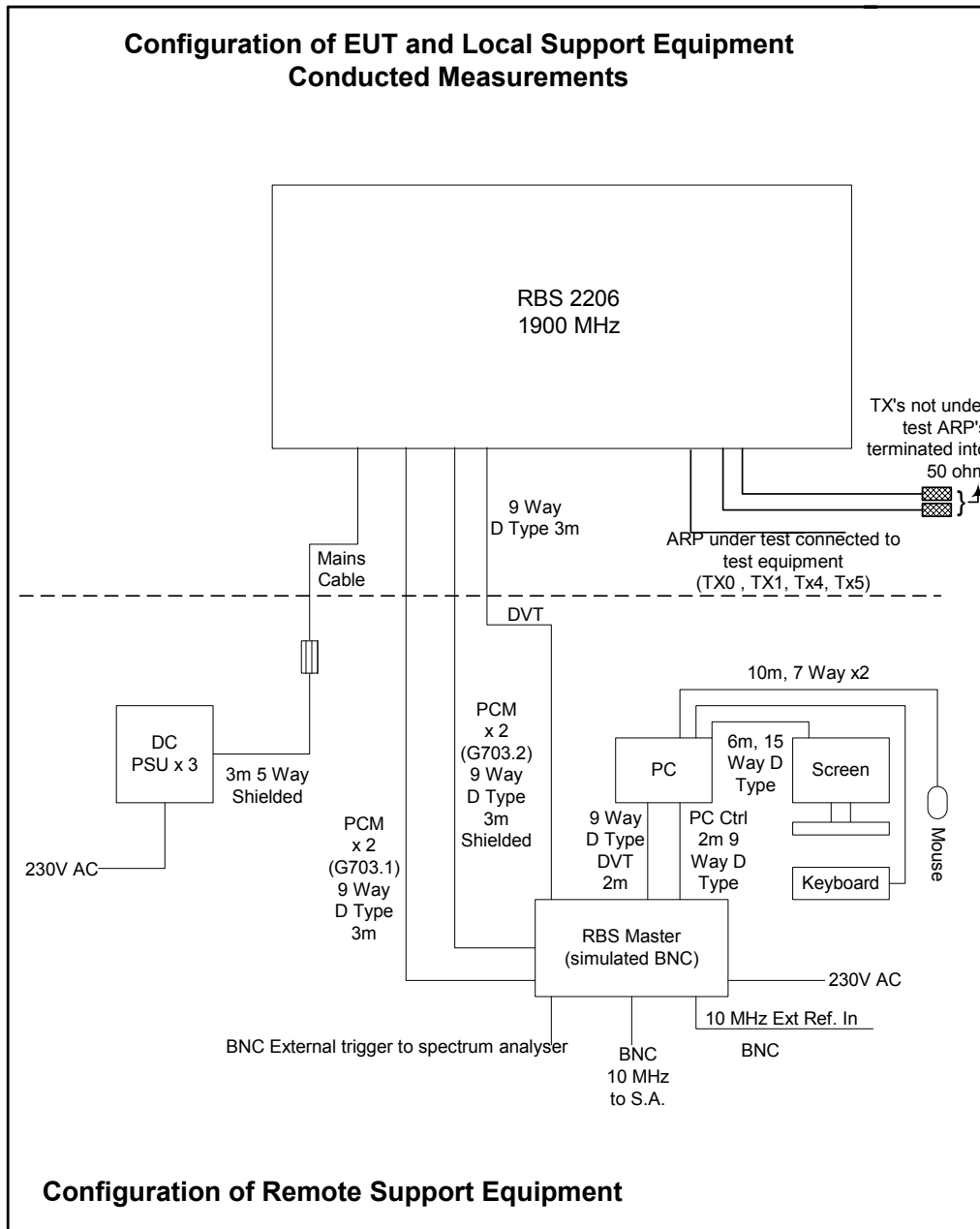
Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

DRG\46053JD01\EMIRAD



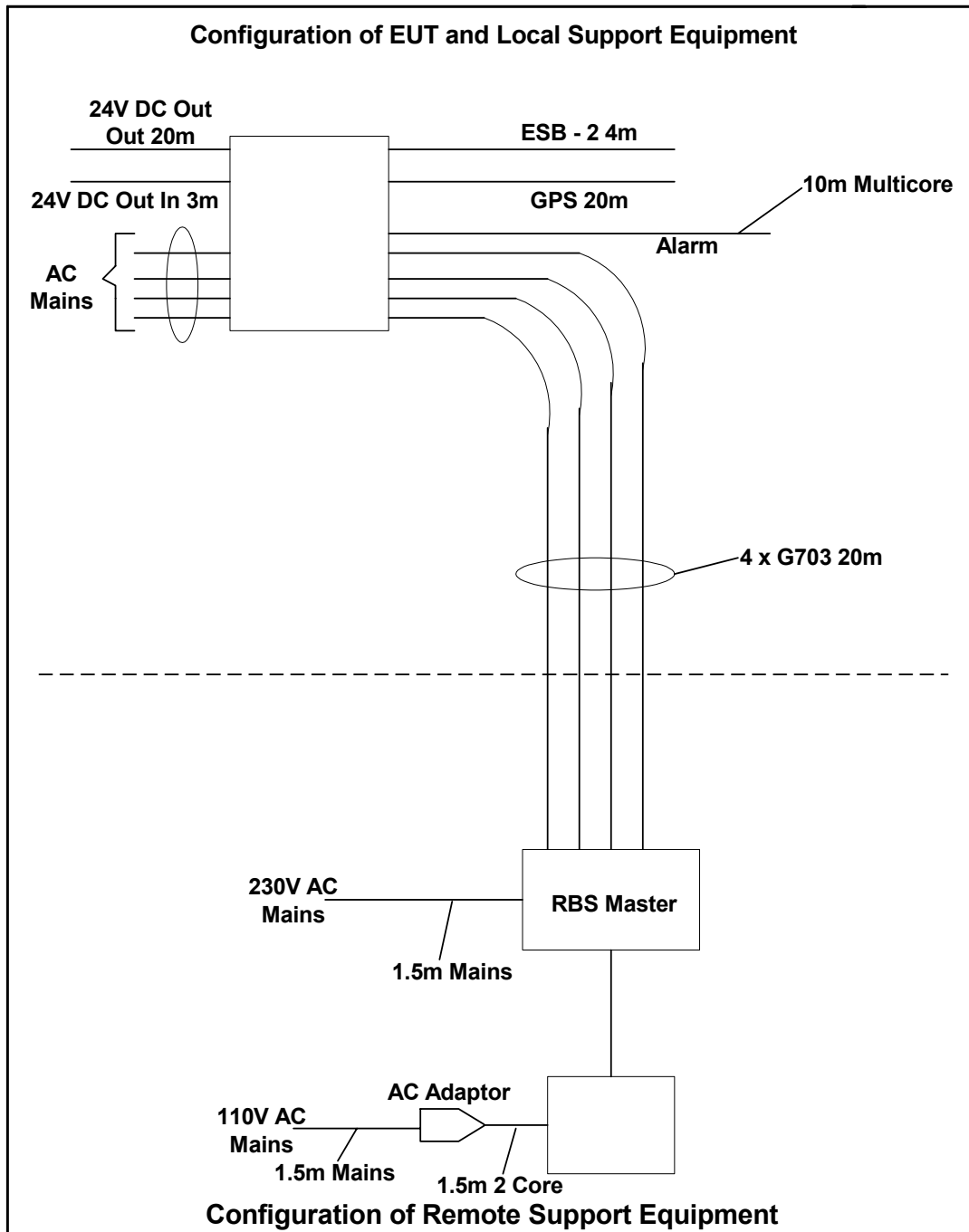
Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

DRG\46053JD01\001



Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)
To: FCC Part 24: 2003

DRG\46053JD01\002



RADIO FREQUENCY INVESTIGATION LTD.

TEST REPORT

S.No. RFI/MPTB2/RP46053JD01B

Page 156 of 156

Issue Date: 13 May 2004

**Test Of: Ericsson AB.
RBS 2206 1900 MHz (8PSK)**
To: FCC Part 24: 2003

This page has been left intentionally blank.
