

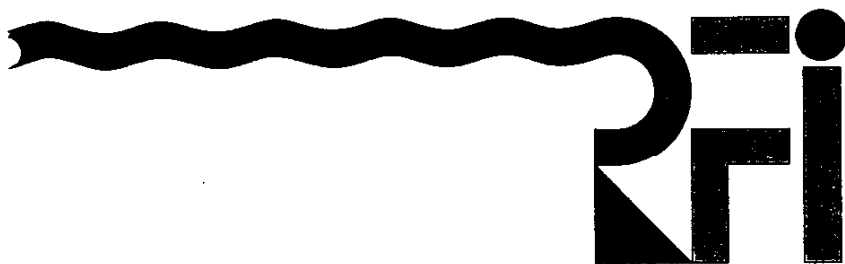
**TEST REPORT
FROM
RADIO FREQUENCY
INVESTIGATION LTD.**

Test Of: Ericsson Microwave Systems AB
RBS 2000, RBS 2302 GSM 1900 Duplex
Configuration

To: FCC Part 24:1997
(Clause: 24.236 and 24.238)

Test Report Serial No:
RFI/EMCB1/RP37902A





RADIO FREQUENCY INVESTIGATION LTD

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Basingstoke
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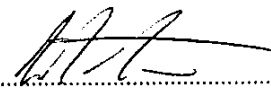

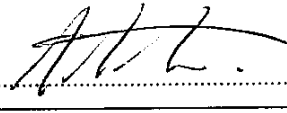
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This Test Report is issued Under The Authority Of Brian Watson, Technical Director:		
Tested By: 	Checked By: 	
Report Copy No: 01		
Issue Date: 10 October 1998	Test Dates: 10 September 1997 to 11 September 1997	

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

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RADIO FREQUENCY INVESTIGATION LTD.

EMC Department

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S.No: RFI/EMCB1/RP37902A

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Test Of: Ericsson Microwave Systems AB
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2. Equipment Under Test (EUT)

The following information (with the exception of the Date of Receipt) has been supplied by the client:

2.1. Identification Of Equipment Under Test (EUT)

Brand Name:	Ericsson
Model Name or Number:	RBS 2302 GSM 1900
Unique Type Identification:	KRC 161 31/090
Serial Number:	A530590203
Country of Manufacture:	Sweden
FCC ID Number:	B5KKRC16131
Date of Receipt:	19 October 1998

2.2. Description Of EUT

The equipment under test is a Micro GSM base station configured with 2 transceiver units.

The micro shall provide mobile telephone users with a connection to a mobile network or PSTN.

2.3. Hardware Revision List

Description	Product Number	Serial No.	Revision	Notes
Mounting Base	SEB 112 1017/2	S773005007	R2B	-
AC Filter	ROA 219 3046/1	S951030658	R2A	1
Transmission Filter	ROA 219 3047/1	S951031638	R3A	1
Connection Board	ROA 219 3045/1	S951034817	R3A	1
Cabinet	KRC 161 31/090	A530590203	R3A	
Heater	BPC 111 13/1	N/A	R2A	2
TCB 6TRX A5/1-2	ROA 117 3677/1	A5304BZLF7	R4C	2
DXB-TX	ROA 117 3678/3	A530561320	R3A	2

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2.5. Additional Information Related To Testing

Power Supply Requirement: DC Supply (volts/Amps):	+ 24 V, 4 Amps (max) (only battery backup)
Power Supply Requirement: Internal Backup Battery:	+21.6 VDC 11.1 A (Max) only applicable if not the external backup battery is connected.
Power Supply Requirement: AC Supply (Volts/Amps):	230 V, 50 Hz AC Mains Supply 16 Amp (Max) and 115 V, 60 Hz
Intended Operating Environment:	Commercial, Light industrial and Heavy industrial
Equipment Category:	Mobile Telephony
Type of Unit:	Based Station (fixed Use)
Weight:	28 Kg
Dimensions:	535mm x 408mm x 160mm
Interface Ports:	AC mains port – Multi Pin Connector G 703 PCM Interface Port - Multi Pin Connector 2 RF Connectors – TNC-Type Coax 4 External Alarms - Multi Pin Connector Operational Maintenance Interface Port - Multi Pin Connector External Battery Backup Port - Multi Pin Connector
Transmit Frequency	B, M and T (1930.2, 1960.0 and 1989.8 MHz)
Receive Frequency	B, M and T (1850.2, 1880.0 and 1909.8 MHz)
Maximum power output	4 Watts Max

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3. Test Specification, Methods And Procedures

3.1. Test Specification

Reference:	FCC Part 15: 1997 Class A
Title:	Code of Federal Regulations, Part 15 (47CFR) Radio Frequency Devices: Digital Devices.
Comments:	A description of the test facility used for this test is on file with, and has been accepted by, the Federal Communications Commission as required by Section 2.948 of Federal Rules.
Purpose of Test:	To determine whether the equipment complied with the requirements of the specification for the purposes of certification.

Reference:	FCC Part 24:1997. Clause 24.236 and 24.238
Title:	Code of Federal Regulations, Part 24 (47CFR) Personal Communication Services.
Comments:	A description of the test facility used for this test is on file with, and has been accepted by, the Federal Communications Commission as required by Section 2.948 of Federal Rules.
Purpose of Test:	To determine whether the equipment complied with the requirements of the specification for the purposes of certification.

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4. Deviations From The Test Specification

None.

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6. Summary Of Test Results

6.1. Radiated Emissions

Range Of Measurements	Specification Reference	Mode of Operation	Port Type	Compliance Status
Conducted Spurious Emissions 450 kHz to 30 MHz	Section 15 of C.F.R. 47: 1997, Clause 15.107	Receive Mode	AC Mains Input	Complied
Conducted Spurious Emissions 450 kHz to 30 MHz	Section 15 of C.F.R. 47: 1997, Clause 15.107	Transmit Mode	AC Mains Input	Complied
Electric Field Strength, Spurious Emissions 30 MHz to 10000 MHz	Section 15 of C.F.R. 47: 1997, Clause 15.109	Receive Mode	Enclosure	Complied
Electric Field Strength, Spurious Emissions 30 MHz to 20000 MHz	Section 24 Clause 24.236 of C.F.R 47: 1997	Transmit Mode	Enclosure	Complied
Antenna Port, Spurious Emissions 30 MHz to 20000 MHz	Section 24 Clause 24.238 of C.F.R 47: 1997	Transmit Mode	Antenna Port	Complied

6.2. Location Of Tests

All the measurements described in this report were performed at the premises of Radio Frequency Investigation Ltd, Ewhurst Park, Ramsdell, Basingstoke, Hampshire, RG26 5RQ, England.

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7.2. Test Results For AC Mains Conducted Emissions

7.2.1. Quasi-Peak Detector Measurements: Live and Neutral Lines: Receive Mode.

7.2.1.1. Plots of the initial scans can be found in Appendix 4.

7.2.1.2. The following table lists frequencies at which emissions were measured using a Quasi-Peak detector:

Frequency (MHz)	Line	Q-P Level (dB μ V)	Q-P Limit (dB μ V)	Margin (dB)	Result
0.460	Live	27.2	60.0	32.8	Complied
0.461	Neutral	27.1	60.0	32.9	Complied
1.311	Live	32.0	60.0	28.0	Complied
1.313	Neutral	31.7	60.0	28.3	Complied
1.376	Neutral	34.8	60.0	25.2	Complied
1.376	Live	35.1	60.0	24.9	Complied
5.851	Neutral	38.7	69.5	30.8	Complied
5.956	Neutral	33.9	69.5	35.6	Complied
5.956	Live	34.2	69.5	35.3	Complied
7.168	Neutral	28.3	69.5	41.2	Complied
7.168	Live	28.3	69.5	41.2	Complied
9.410	Live	29.6	69.5	39.9	Complied

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7.3. Test Results For Radiated Emissions. Part 15 Subpart B. Clause 15.109

7.3.1. Electric Field Strength Measurements – Receive Mode – 30 MHz to 10000 MHz.

7.3.1.1. The client has stated that the highest clock frequency for the EUT was 1989.8 MHz. Therefore tests were performed up to 10000.0 MHz.

7.3.1.2. Plots of the initial scans can be found in Appendix 4 of this test report.

7.3.1.3. The following table lists frequencies at which emissions were measured using a Quasi-Peak detector at a test distance of 10m (results incorporate antenna factors and cable losses):

Frequency (MHz)	Ant. Pol.	Q-P Level (dB μ V/m)	Q-P Limit (dB μ V/m)	Margin (dB)	Result
45.048	Vert.	23.5	39.0	15.5	Complied
71.857	Vert.	18.6	39.0	20.4	Complied
90.996	Vert.	35.4	43.5	8.1	Complied
105.338	Vert.	41.1	54.0	12.9	Complied (Note 1)
286.001	Vert.	23.8	46.4	22.6	Complied
494.002	Vert.	30.8	46.4	15.6	Complied

Note 1: Due to the presence of close, high ambient signals, this emission was measured at a test distance of 3 metres. The specification limit line was extrapolated accordingly.

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7.3.3. Test Results For Radiated Emissions: Transmit Mode: Part 24.236.

7.3.4. Effective Radiated Power (ERP) Measurements: 30MHz to 1000MHz.

7.3.4.1. The client has stated that the highest transmit frequency for the EUT was 1989.8 MHz. Therefore tests were performed up to 20000 MHz.

7.3.4.2. Preliminary scans and final measurements were performed with the EUT transmitting on bottom (1930.2 MHz) and top (1989.8 MHz) channels at full power.

7.3.4.3. The following table lists frequencies at which emissions were measured using a Peak detector at a test distance of 10m.

Frequency (MHz)	Pol (H/V)	Bandwidth (kHz)	Level (dBuV)	Site Factor (dB)	Level (dBm)	Limit (dBm)	Margin (dB)	Result
50.984	Vert.	120	7.0	26.0	-74.0	-33.0	41.0	Complied
73.739	Vert.	120	9.3	28.9	-68.8	-33.0	35.8	Complied
113.753	Vert.	120	3.0	27.1	-76.9	-33.0	43.9	Complied
160.0536	Vert.	120	-2.8	30.5	-79.3	-33.0	46.3	Complied
274.997	Vert.	120	-5.4	35.9	-76.5	-33.0	43.5	Complied
286.000	Vert.	120	-5.6	35.7	-76.9	-33.0	43.9	Complied
313.100	Vert.	120	-5.3	37.5	-74.8	-33.0	41.8	Complied
338.000	Vert.	120	-2.4	37.4	-72.0	-33.0	39.0	Complied
494.000	Horiz.	120	-3.6	41.7	-68.9	-33.0	35.9	Complied

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7.4. Test Results For Conducted Antenna Port: Transmit Mode: Part 24.238(a).

7.4.1. The client has stated that the highest transmit frequency for the EUT was 1989.8 MHz. Therefore tests were performed up to 20000 MHz.

7.4.2. Preliminary scans for frequencies outside the specified frequency blocks were performed with the EUT transmitting on bottom (1930.2 MHz) and top (1989.8 MHz) channels at full power.

7.4.3. The emission limits specified in section 24.238 (a) of C.F.R 47 stated that all emission shall be attenuated below the transmitter power (P) by at least $43 + 10 \log (P)$ dB. The maximum transmit level measured was 32.0dBm (1.585 Watts). This equates to the limit being attenuated 45dB below the carrier level.

7.4.4. All preliminary scans were performed with the test receiver configured with a 1MHz resolution bandwidth.

7.4.5. The conducted antenna port emissions preliminary scans within the frequency range of 30 MHz to 20000 MHz were found to be greater than 20dB below the reference limit line. Therefore no measurements were taken within this frequency range. Plots of the initial scans can be found in Appendix 4 of this test report.

7.5. Test Results For Conducted Antenna Port: Transmit Mode: Part 24.238(b).

7.5.1. Measurements were performed on the EUT on each allocated frequency block specified in section 24.229 of C.F.R. 47. Each frequency block was investigated in turn with the top and bottom transmitter channel activated in the relevant frequency block.

7.5.2. The emission limits specified in section 24.238 (b) of C.F.R 47 stated that all emission shall be attenuated below the transmitter power (P) by at least 26dB.

7.5.3. Preliminary scans were produced to demonstrate that the transmitter carrier was attenuated by greater than 26dB below the maximum transmitter level at the adjacent frequency block. Preliminary scans showing all the relevant channels in blocks A to F can be seen in Appendix 4 of this test report.

7.5.4. During the test, it was demonstrated that all transmitter channels complied with the specification in section 24.238.

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8. Measurement Uncertainty

8.1. Company Policy, as based on the NAMAS Accreditation Standard, M10, paragraph 12.11 (o), states that Test Reports shall include estimated uncertainty of the calibration or test result (this information need only appear in test reports and test certificates where it is relevant to the validity or application of the test result, where a client's instructions so require or where uncertainty affects compliance to a specification or limit).

8.2. The global uncertainties have been calculated in accordance with NAMAS NIS 81 (Edition 1, May 1994) as follows:

Measurement Type	Range	Confidence Level	Calculated Uncertainty
Conducted Antenna Port	30 MHz to 20000 MHz	95%	+/- 2.9 dB
Conducted Emissions	0.45 MHz to 30 MHz	95%	+/- 2.2 dB
Radiated Emissions (Fieldstrength)	30 MHz to 1.0 GHz	95%	+/- 4.9 dB
Radiated Emissions (Fieldstrength)	1.0 GHz to 10.0 GHz	95%	+/- 4.3 dB
Radiated Emissions (Effective Radiated Power)	1 GHz to 20 GHz	95%	+/- 4.2 dB

8.3. Measurement uncertainties have been applied in accordance with NAMAS document NIS 81 (edition 1, May 1994), and in the absence of any specification criteria, guidance, or code of practice, compliance has been judged on the basis of shared risk.

8.4. In the case of emissions tests, the measured value of the disturbance from the product sample shall be compared directly with the limits. If the measured value is equal to or less than the limit the product is deemed to pass the test.

8.5. In the case of immunity tests, the equipment is deemed to pass the test if it fulfils the stated performance criteria at the required or a higher severity level. The measurement uncertainty has been taken into account in the calibration procedures stated in the relevant basic standard.

8.6. The methods used to calculate the above uncertainties are in line with those used for calibration laboratories contained in NAMAS document NIS 3003 Edition 8 "The Expression of Uncertainty and Confidence in Measurement" May 1995, which align with international recommendations "Guide to the Expression of Uncertainty in Measurement" ISO/IEC/OIML/BIPM (Prepared by ISO/TAG 4: January 1993).

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Test Equipment Used (continued)

Instrument	Manufacturer	Model	RFI No.
Open Area Test Site			
OATS Turntable	British Turntable Ltd	S36069	M174
OATS Antenna Mast	R & S	HCM	A277
Temperature/Humidity Meter	RS Comp	212-214	M117
Attenuator 3 dB	Narda	370 BNM	A262
Conducted Antenna Port			
Receiver / Spectrum Analyser System	R & S	ESBI	M090
769-20 High Power Attenuator 20dB 150W	Narda	769-20	A075
10 dB Attenuator	Narda	765-10	A235

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

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A2.2. Radiated Emissions: FCC Part 15

A2.2.1. Radiated emissions measurements were performed in accordance with the standard, against appropriate limits for each detector function.

A2.2.2. Initial measurements covering the entire measurement band in the form of swept scans in a shielded enclosure were performed in order to identify frequencies on which the EUT was generating interference. This determined the frequencies on which the EUT should be re-measured in full on the open area test site. In order to minimise the time taken for the swept measurements, a Peak detector was used in conjunction with the appropriate detector IF measuring bandwidth (see table below). Repetitive scans were performed to allow for emissions with low repetition rates, and for the duty cycle of the EUT. The test configuration was the same for the initial scans as for the final measurements.

A2.2.3. The initial scans were performed using an antenna height of 1.5 m and a measurement distance of 3 m. Following the initial scans, graphs were produced giving an overview of the emissions from the EUT plotted against the appropriate specification limit. A tolerance line was set 6 dB below the specification limit and levels above the tolerance line were re-tested on the open area test site, at the appropriate distance, using a measuring receivers with a Quasi-Peak detector (below 1000 MHz), where applicable, for measurements above 1000 MHz average and peak detectors were used.

A2.2.4. For the main (final) measurements the EUT was arranged on a non-conducting table on an open area test site, as detailed in the specification.

A2.2.5. All measurements on the open area test site were performed using broadband antennas.

A2.2.6. On the open area test site, at each frequency where a signal was found, the levels were maximised by initially rotating the turntable through 360° and then varying the antenna height between 1 m and 4 m. At this point, any signals found to be between the limit and a level 6 dB below it were further maximised by changing the configuration of the EUT, e.g. re-routing cables to peripherals and moving peripherals with respect to the EUT.

A2.2.7. The test equipment settings for radiated emissions measurements were as follows:

Receiver Function	Initial Scan	Final Measurements Below 1GHz	Final Measurements Above 1 GHz
Detector Type:	Peak	Quasi-Peak (CISPR)	Peak/Average
Mode:	Max Hold	Not applicable	Not applicable
Bandwidth:	(120 kHz < 1GHz) (1MHz > 1GHz)	120 kHz	1 MHz (If Applicable)
Amplitude Range:	60 dB	20 dB	20 dB (typical)
Measurement Time:	Not applicable	> 1 s	> 1 s
Observation Time:	Not applicable	> 15 s	> 15 s
Step Size:	Continuous sweep	Not applicable	Not applicable
Sweep Time:	Coupled	Not applicable	Not applicable

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A2.4. Conducted Antenna Port: FCC Part 24: Spurious Emissions

A2.4.1. Spurious measurements at the antenna port were performed as specified in C.F.R. 47 Part 2.991.

A2.4.2. A measuring receiver was connected to the antenna port of the EUT via a suitable cable and RF Attenuator. The total loss of both the cable and the attenuator were measured prior to testing to allow for their connection.

A2.4.3. Initial measurements covering the entire measurement band in the form of swept scans were performed in order to identify frequencies on which the EUT was generating interference. This determined the frequencies on which the EUT should be investigated further. In order to minimise the time taken for the swept measurements, a Peak detector was used in conjunction with the appropriate detector IF measuring bandwidth (see table below). Repetitive scans were performed to allow for emissions with low repetition rates, and for the duty cycle of the EUT. The test configuration was the same for the initial scans as for the final measurements.

A2.4.4. Following the initial scans, graphs were produced giving an overview of the emissions from the EUT plotted against the appropriate specification limit. Any emissions that were within 20dB of the specified limit were measured with an Average and Peak detectors. Emissions found to be greater than 20dB from the specified limit were not investigated any further.

Receiver Function	Initial Scan	Final Measurements Below 1GHz	Final Measurements Above 1 GHz
Detector Type:	Peak	Quasi-Peak (CISPR)	Peak/Average
Mode:	Max Hold	Not applicable	Not applicable
Bandwidth:	100 kHz	120 kHz	1 MHz
Amplitude Range:	60 dB	20 dB	20 dB (typical)
Measurement Time:	Not applicable	> 1 s	> 1 s
Observation Time:	Not applicable	> 15 s	> 15 s
Step Size:	Continuous sweep	Not applicable	Not applicable
Sweep Time:	Coupled	Not applicable	Not applicable

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A2.6. Test Methods and Procedures for Radiation Hazard Survey. **(Not UKAS Accredited)**

A2.6.1. A Narda 8616 meter with 8621 probe was used to make the measurements. The measurement equipment was placed at the point to be measured and the field strength present was displayed in milliWatts per squared centimetre, mW/cm².

A2.6.2. The standard referenced for the testing was an NRPB guidance document, NRPB GS-11. The IEEE standard ANSI C95.2 is very similar to this document and therefore comparisons may easily be made.

A2.6.3. NRPB GS-11 and therefore the measurement equipment deals with the thermal effects of the radiation only. Thermal effects are not considered.

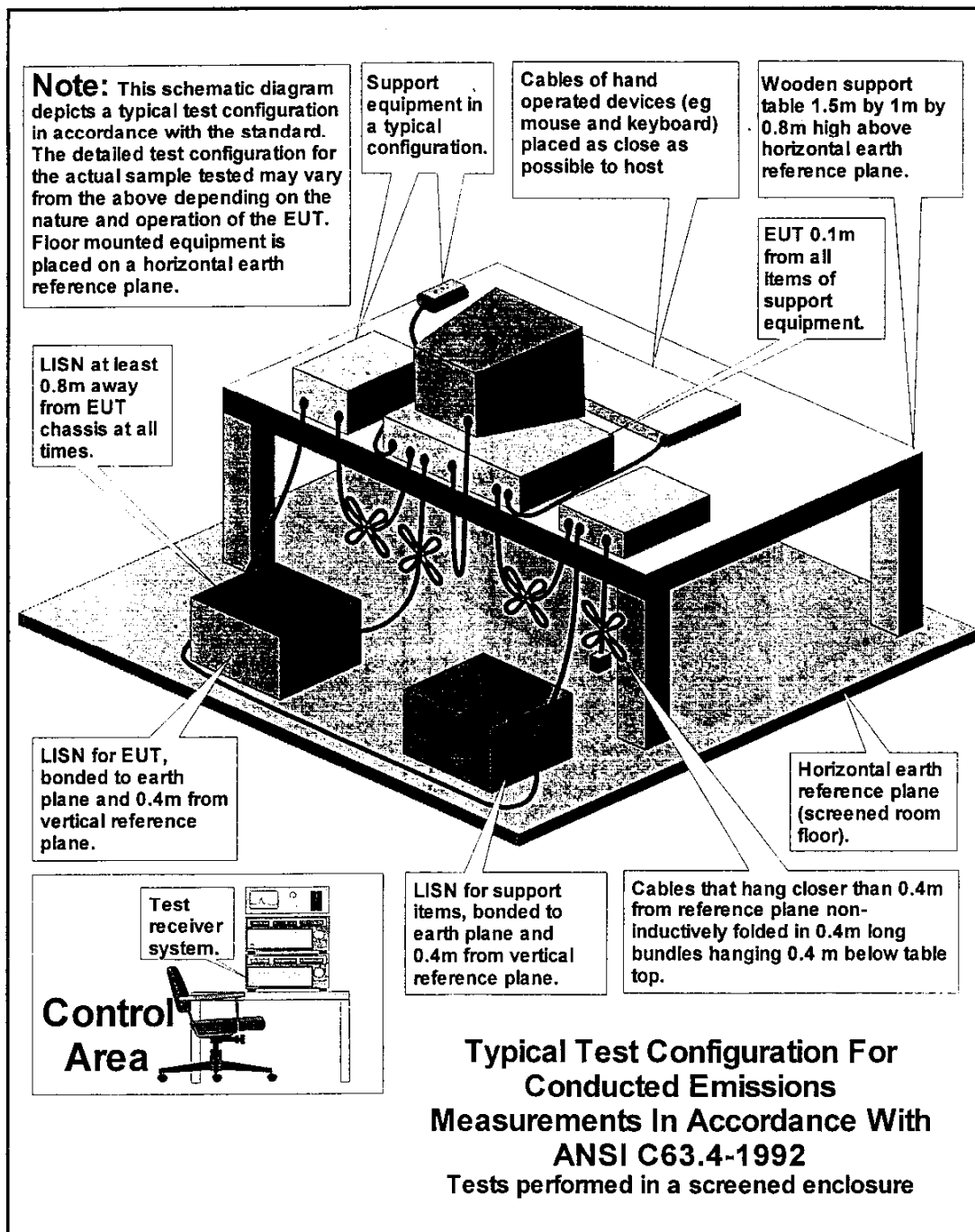
A2.6.4. A summary of the recommended power density levels given in NRPB GS-11 is as follows:

Frequency Range	Power Density recommended Limit
300 MHz to 400 MHz	1 mW/cm ²
400 MHz to 2 GHz	0.0025 F(MHz) mW/cm ²
2 GHz to 40 GHz	5 mW/cm ²

These limits are for full body exposure. The equipment used is calibrated for a test distance of >25cm to assure a far field measurement. Clearly, full body exposure would be virtually impossible at less than 25cm from the source.

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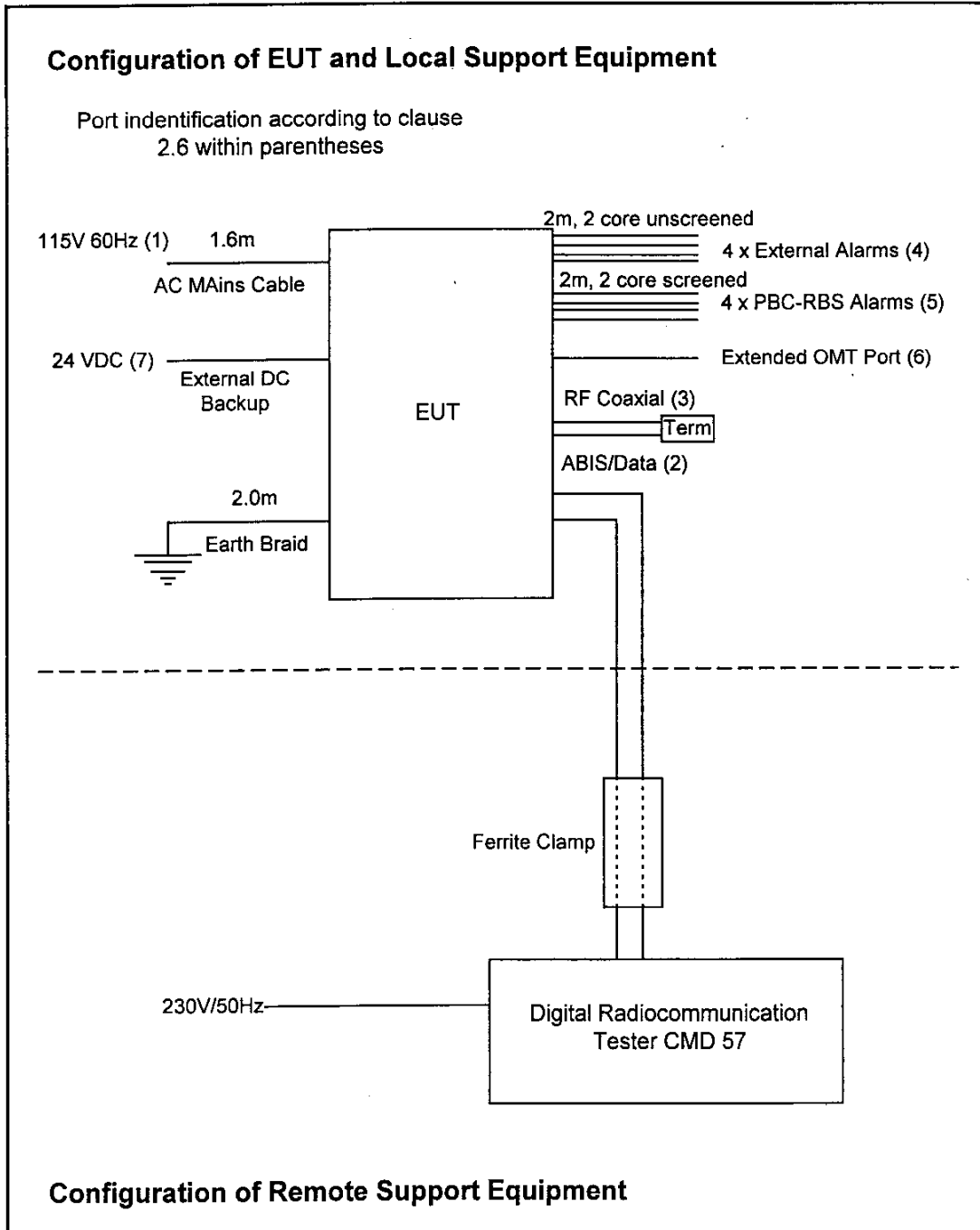


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Graphical Test Results (continued)

GPH\37902JD01ETF01\021	Scan of Conducted Antenna Port. 1000 to 1928 MHz. Bottom Channel (1930.1 MHz). Transmitter Operational. Full Power.
GPH\37902JD01ETF01\022	Scan of Conducted Antenna Port. 1989 to 4000 MHz. Bottom Channel (1930.1 MHz). Transmitter Operational. Full Power.
GPH\37902JD01ETF01\023	Scan of Conducted Antenna Port. 4000 to 6000 MHz. Bottom Channel (1930.1 MHz). Transmitter Operational. Full Power.
GPH\37902JD01ETF01\024	Scan of Conducted Antenna Port. 6000 to 10000 MHz. Bottom Channel (1930.1 MHz). Transmitter Operational. Full Power.
GPH\37902JD01ETF01\025	Scan of Conducted Antenna Port. 10000 to 15000 MHz. Bottom Channel (1930.1 MHz). Transmitter Operational. Full Power.
GPH\37902JD01ETF01\026	Scan of Conducted Antenna Port. 15000 to 20000 MHz. Bottom Channel (1930.1 MHz). Transmitter Operational. Full Power.
GPH\37902JD01ETF01\027	Scan of Conducted Antenna Port. 30 to 1000 MHz. Top Channel (1989.7 MHz). Transmitter Operational. Full Power.
GPH\37902JD01ETF01\028	Scan of Conducted Antenna Port. 1000 to 1928 MHz. Top Channel (1989.7 MHz). Transmitter Operational. Full Power.
GPH\37902JD01ETF01\029	Scan of Conducted Antenna Port. 2050 to 4000 MHz. Top Channel (1989.7 MHz). Transmitter Operational. Full Power.
GPH\37902JD01ETF01\030	Scan of Conducted Antenna Port. 4000 to 6000 MHz. Top Channel (1989.7 MHz). Transmitter Operational. Full Power.
GPH\37902JD01ETF01\031	Scan of Conducted Antenna Port. 6000 to 10000 MHz. Top Channel (1989.7 MHz). Transmitter Operational. Full Power.
GPH\37902JD01ETF01\032	Scan of Conducted Antenna Port. 10000 to 15000 MHz. Top Channel (1989.7 MHz). Transmitter Operational. Full Power.
GPH\37902JD01ETF01\033	Scan of Conducted Antenna Port. 15000 to 20000 MHz. Top Channel (1989.7 MHz). Transmitter Operational. Full Power.
GPH\37902JD01ETF01\034	Scan of Conducted Antenna Port. Frequency Block A. Transmitter Bandwidth Measurement.
GPH\37902JD01ETF01\035	Scan of Conducted Antenna Port. Frequency Block A. Lower Band Edge.
GPH\37902JD01ETF01\036	Scan of Conducted Antenna Port. Frequency Block A. 1MHz Below Lower Band Edge.
GPH\37902JD01ETF01\037	Scan of Conducted Antenna Port. Frequency Block A. Upper Band Edge.
GPH\37902JD01ETF01\038	Scan of Conducted Antenna Port. Frequency Block A. 1MHz Above Upper Band Edge.
GPH\37902JD01ETF01\039	Scan of Conducted Antenna Port. Frequency Block D. Transmitter Bandwidth Measurement.

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 To: FCC Part 24:1997 (Clause: 24.236 and 24.238)

Graphical Test Results (continued)

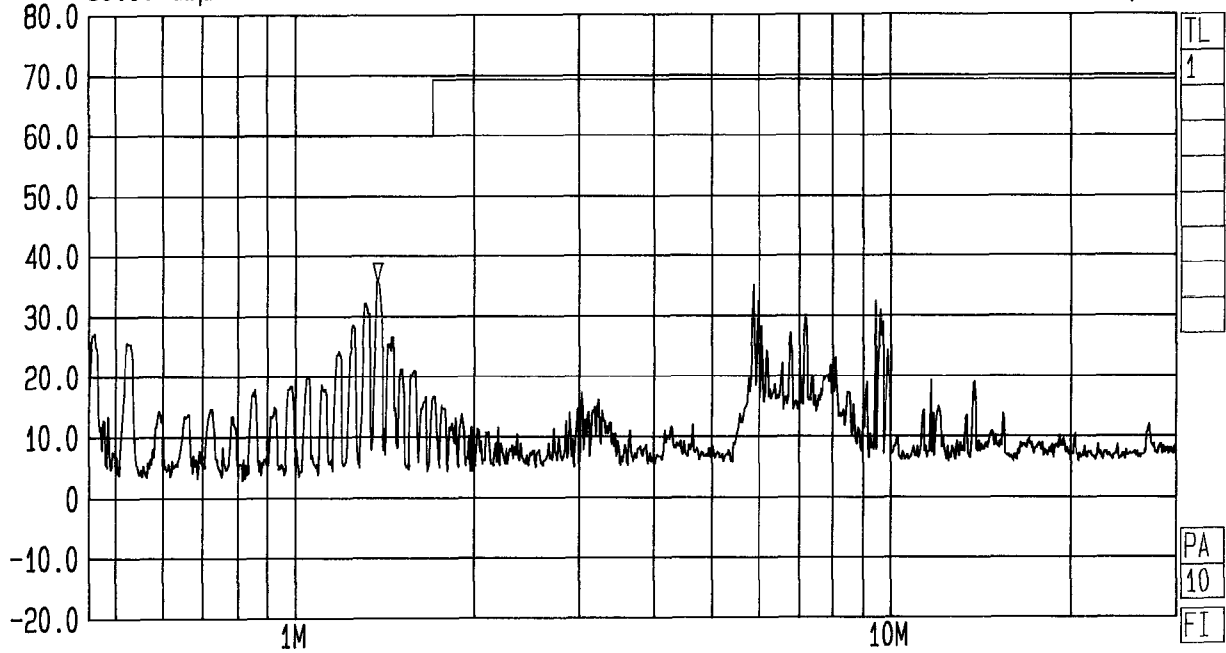
GPH\37902JD01ETF01\058	Scan of Conducted Antenna Port. Frequency Block F. 1MHz Above Upper Band Edge.
GPH\37902JD01ETF01\059	Scan of Conducted Antenna Port. Frequency Block C. Transmitter Bandwidth Measurement.
GPH\37902JD01ETF01\060	Scan of Conducted Antenna Port. Frequency Block C. Lower Band Edge.
GPH\37902JD01ETF01\061	Scan of Conducted Antenna Port. Frequency Block C. 1MHz Below Lower Band Edge.
GPH\37902JD01ETF01\062	Scan of Conducted Antenna Port. Frequency Block C. Upper Band Edge.
GPH\37902JD01ETF01\063	Scan of Conducted Antenna Port. Frequency Block C. 1MHz Above Upper Band Edge.
GPH\37902JD01ETF01\064	Scan of Conducted Antenna Port. 1870 to 2004 MHz. Top and Bottom Channels Activated in Each Block..
GPH\37902JD01ETF01\065	Scan of Radiated Electric Field. 1000 to 2000 MHz. Both Polarisations. Transmit Mode.
GPH\37902JD01ETF01\066	Scan of Radiated Electric Field. 2000 to 4000 MHz. Both Polarisations. Transmit Mode.
GPH\37902JD01ETF01\067	Scan of Radiated Electric Field. 4000 to 5000 MHz. Both Polarisations. Transmit Mode.
GPH\37902JD01ETF01\068	Scan of Radiated Electric Field. 5000 to 6000 MHz. Both Polarisations. Transmit Mode.
GPH\37902JD01ETF01\069	Scan of Radiated Electric Field. 6000 to 8200 MHz. Both Polarisations. Transmit Mode.
GPH\37902JD01ETF01\070	Scan of Radiated Electric Field. 8200 to 12500 MHz. Both Polarisations. Transmit Mode.
GPH\37902JD01ETF01\071	Scan of Radiated Electric Field. 8200 to 12500 MHz. Both Polarisations. Transmit Mode. 120kHz Resolution Bandwidth.
GPH\37902JD01ETF01\072	Scan of Radiated Electric Field. 12500 to 18000 MHz. Both Polarisations. Transmit Mode.
GPH\37902JD01ETF01\073	Scan of Radiated Electric Field. 12500 to 18000 MHz. Both Polarisations. Transmit Mode. 120kHz Resolution Bandwidth.
GPH\37902JD01ETF01\074	Scan of Radiated Electric Field. 18000 to 20000 MHz. Both Polarisations. Transmit Mode.
GPH\37902JD01ETF01\075	Scan of Radiated Electric Field. 18000 to 20000 MHz. Both Polarisations. Transmit Mode. 120kHz Resolution Bandwidth.
GPH\37902JD01ETF01\076	Scan of Radiated Electric Field. 30 to 1000 MHz. Both Polarisations. Transmit Mode.

These pages are not included in the total number of pages for this report.



Date 07.Oct.'98 Time 13:01:52
 Ref.Lvl 80.00 dB μ V
 Marker 35.82 dB μ V
 1.379 MHz

Res.Bw 9 kHz [imp] Vid.Bw 10 kHz
 TG.Lvl off
 CF.Stp 2.955 MHz RF.Att 0 dB
 Unit [dB μ V]



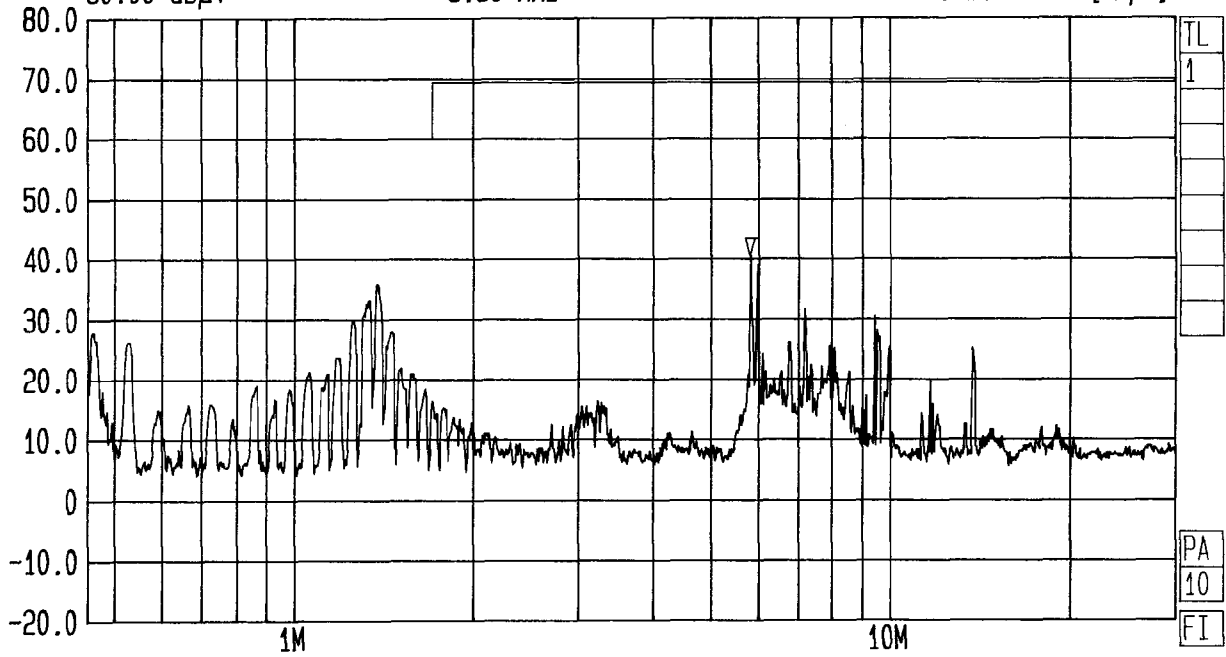
Start 450 kHz Span 29.55 MHz Center 3.67423 MHz Sweep 2.2 s Stop 30 MHz

CONDUCTED EMISSIONS TESTED BY RFI LTD FOR ERICSSON MICROWAVE SYSTEMS LTD ENG: SJA
 SPEC: 47CFR15.107 EUT: RBS2302 GSM 1900 MODE: Rx LINE: LIVE 37902/01/01/004



Date 07.Oct.'98 Time 13:29:25
 Ref.Lvl 80.00 dB μ V
 Marker 40.42 dB μ V
 5.80 MHz

Res.Bw 9 kHz [imp] Vid.Bw 10 kHz
 TG.Lvl off
 CF.Stp 2.955 MHz RF.Att Unit 0 dB [dB μ V]



Start 450 kHz Span 29.55 MHz Center 3.67423 MHz Sweep 260 ms Stop 30 MHz

CONDUCTED EMISSIONS TESTED BY RFI LTD FOR ERICSSON MICROWAVE SYSTEMS LTD ENG: SJA
 SPEC: 47CFR15.107 EUT: ABS2302 GSM 1900 MODE: Rx LINE: NEUTRAL 37902/01/01/005



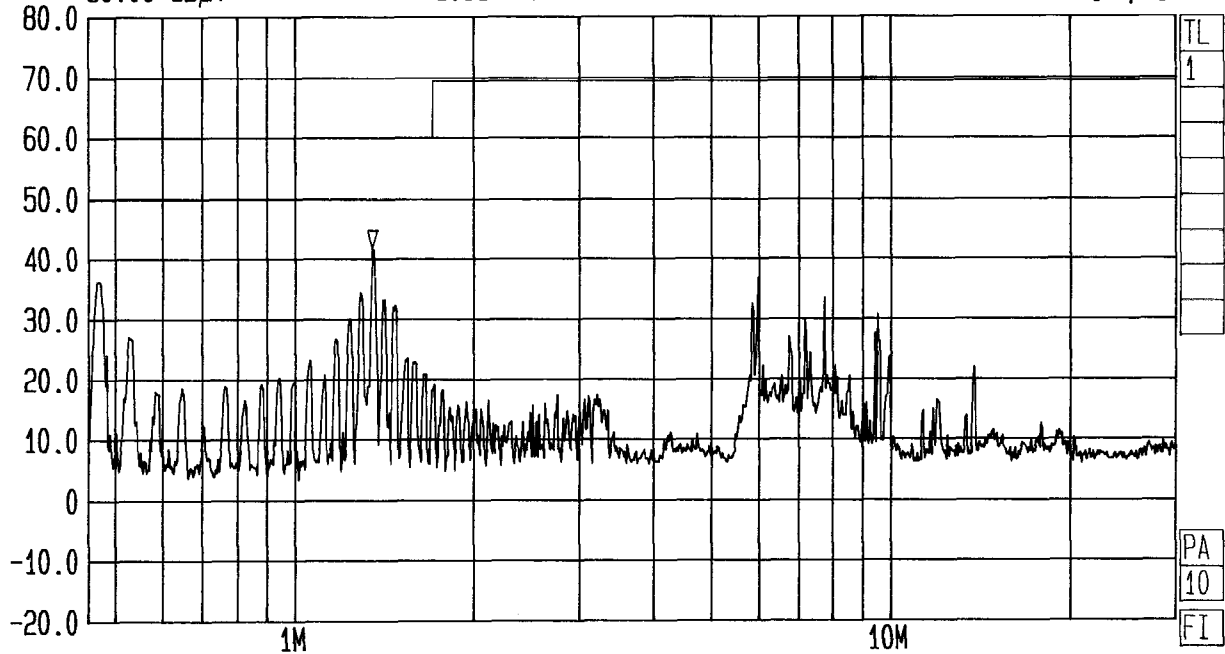
Date 07.Oct.'98 Time 13:47:03
Ref.Lvl 80.00 dB μ V
Marker 41.74 dB μ V
1.353 MHz

Res.Bw 9 kHz [imp]
TG.Lvl off
CF.Stp 2.955 MHz

Vid.Bw 10 kHz

RF.Att Unit

0 dB [dB μ V]



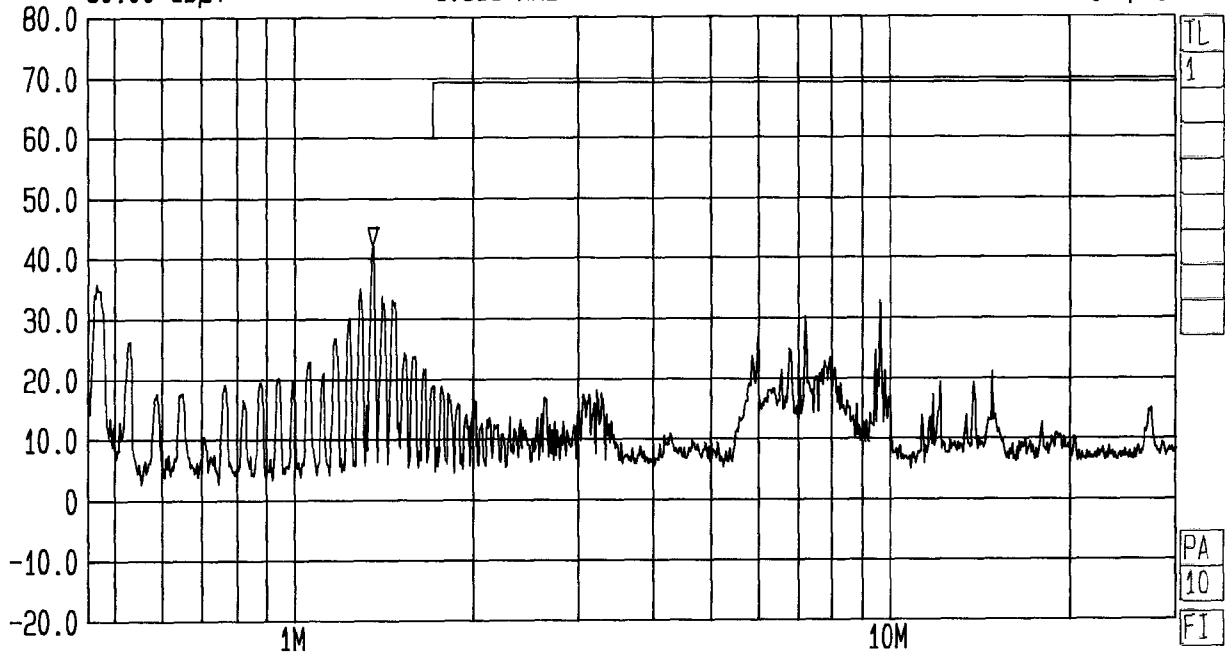
Start 450 kHz Span 29.55 MHz Center 3.67423 MHz Sweep 260 ms Stop 30 MHz

CONDUCTED EMISSIONS TESTED BY RFI LTD FOR ERICSSON MICROWAVE SYSTEMS LTD ENG: SJA
SPEC: 47CFR15.107 EUT: ABS2302 GSM 1900 MODE: Tx LINE: NEUTRAL 37902/01/01/006



Date 07.Oct.'98 Time 14:02:27
 Ref.Lvl 80.00 dB μ V
 Marker 42.12 dB μ V
 1.353 MHz

Res.Bw 9 kHz [imp] Vid.Bw 10 kHz
 TG.Lvl off
 CF.Stp 2.955 MHz RF.Att Unit 0 dB [dB μ V]



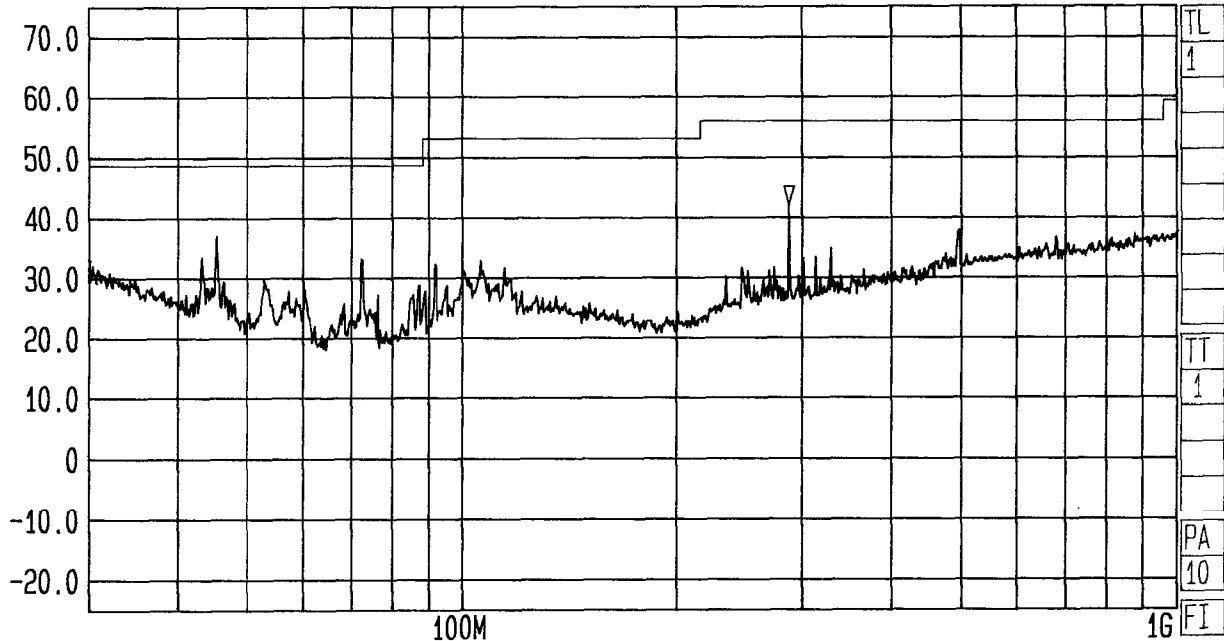
Start 450 kHz Span 29.55 MHz Center 3.67423 MHz Sweep 260 ms Stop 30 MHz

CONDUCTED EMISSIONS TESTED BY RFI LTD FOR ERICSSON MICROWAVE SYSTEMS LTD ENG: SJA
 SPEC: 47CFR15.107 EUT: ABS2302 GSM 1900 MODE: Tx LINE: LIVE 37902/01/01/007



Date 07.Oct.'98 Time 15:01:47
 Ref.Lvl 75.00 dB*
 Marker 42.12 dB*
 286.3 MHz

Res.Bw 120 kHz [imp] Vid.Bw 100 kHz
 TG.Lvl off
 CF.Stp 97.000 MHz RF.Att 0 dB
 Unit [dBμV/m]



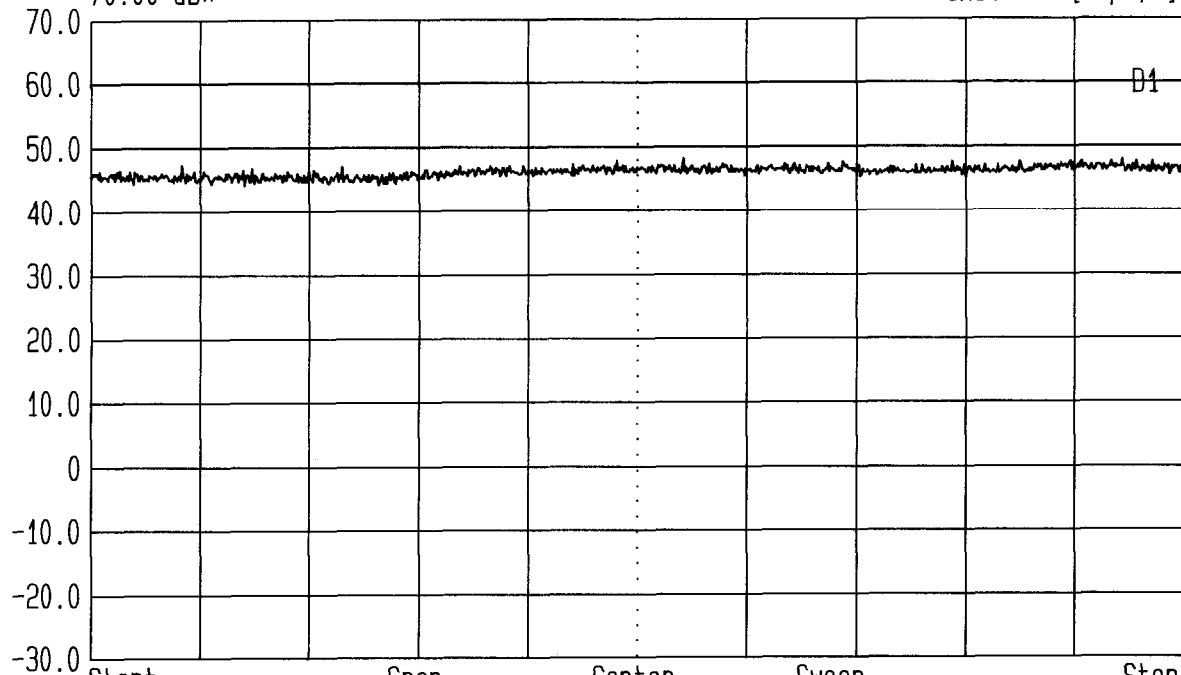
Start 30 MHz Span 970 MHz Center 173.2 MHz Sweep 80 ms Stop 1 GHz

RADIATED EMISSIONS TESTED BY RFI LTD FOR ERICSSON MICROWAVE SYSTEMS LTD ENG: SJA
 SPEC: FCC 47CFR 15 CLASS A EUT: RBS2302 GSM 1900 MODE: Rx 37902/01/01/008



Date 07.Oct.'98 Time 15:40:02
 Ref.Lvl
 70.00 dBx

Res.Bw 1.0 MHz [3dB] Vid.Bw 1 MHz
 CF.Stp 100.000 MHz RF.Att 0 dB
 Unit [dBμV/m]



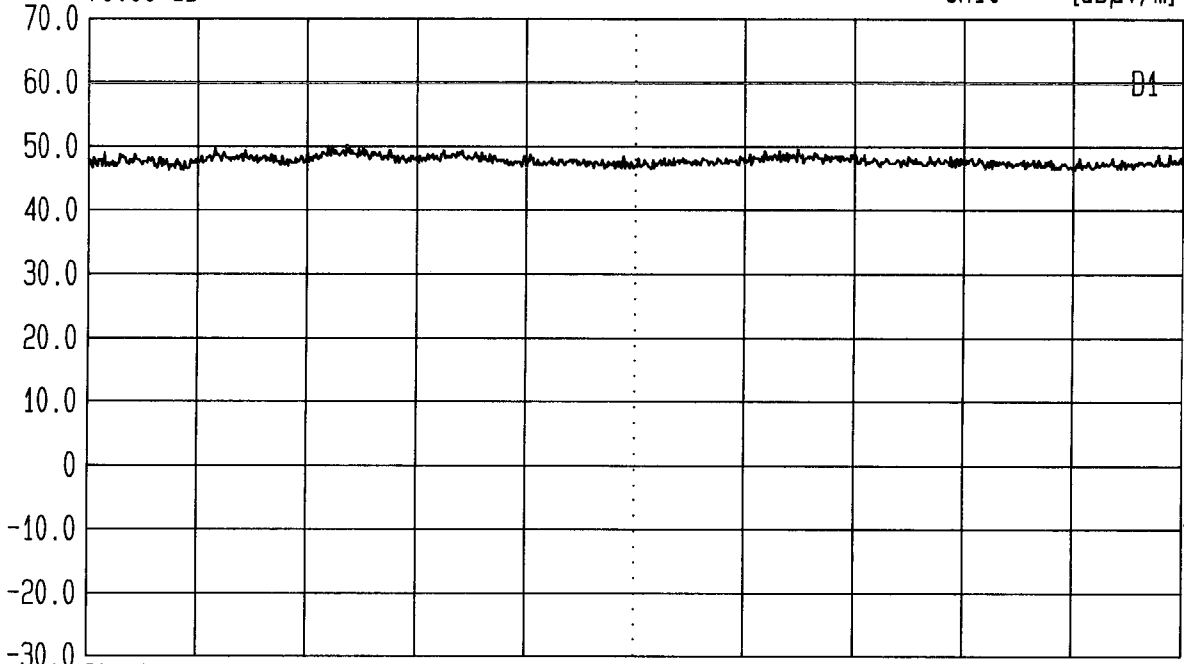
Start 1 GHz Span 1 GHz Center 1.5 GHz Sweep 20 ms Stop 2 GHz

RADIATED EMISSIONS TESTED BY RFI LTD FOR ERICSSON MICROWAVE SYSTEMS LTD ENG: SJA
 SPEC: 47CFR 15.109 D1=AVG LIMIT EUT: RBS 2302 GSM 1900 MODE: Rx 37902/01/01/009



Date 07.Oct.'98 Time 15:55:31
 Ref.Lvl
 70.00 dBx

Res.Bw 1.0 MHz [3dB] Vid.Bw 1 MHz
 CF.Stp 200.000 MHz RF.Att 0 dB
 Unit [dBμV/m]



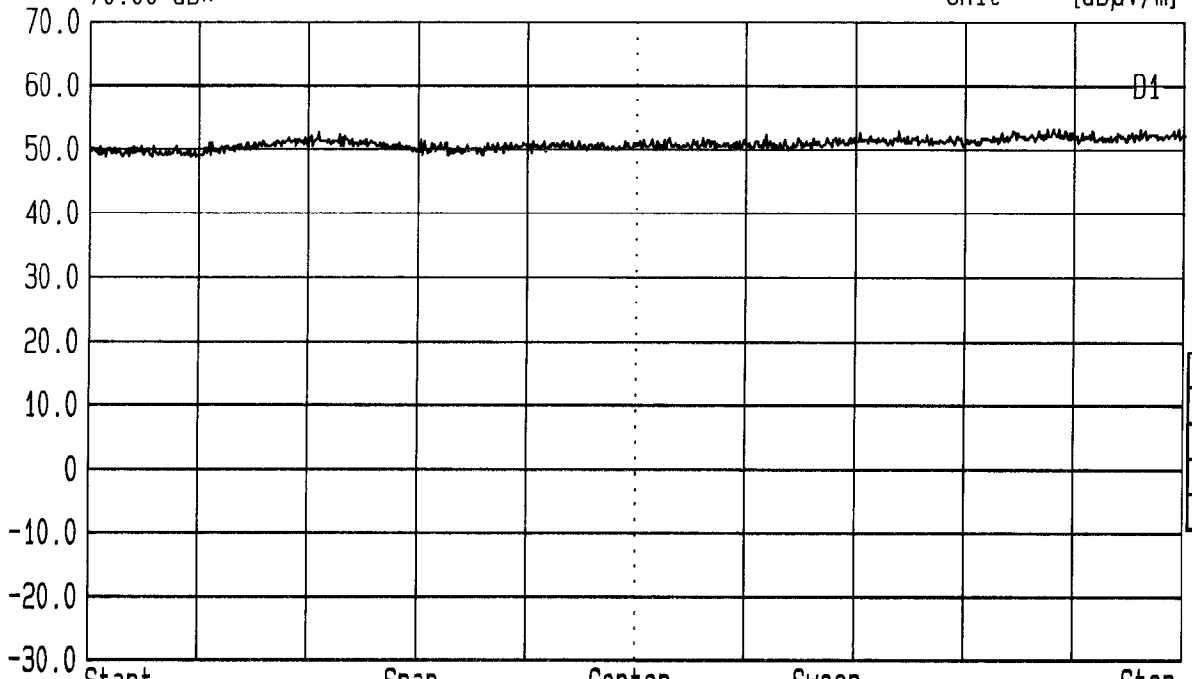
Start 2 GHz Span 2 GHz Center 3 GHz Sweep 20 ms Stop 4 GHz

RADIATED EMISSIONS TESTED BY RFI LTD FOR ERICSSON MICROWAVE SYSTEMS LTD ENG: SJA
 SPEC: 47CFR 15.109 D1=AVG LIMIT EUT: RBS 2302 GSM 1900 MODE: Rx 37902/01/01/010



Date 07.Oct.'98 Time 16:12:07
 Ref.Lvl
 70.00 dB*

Res.Bw 1.0 MHz [3dB] Vid.Bw 1 MHz
 CF.Stp 100.000 MHz RF.Att 0 dB
 Unit [dBμV/m]



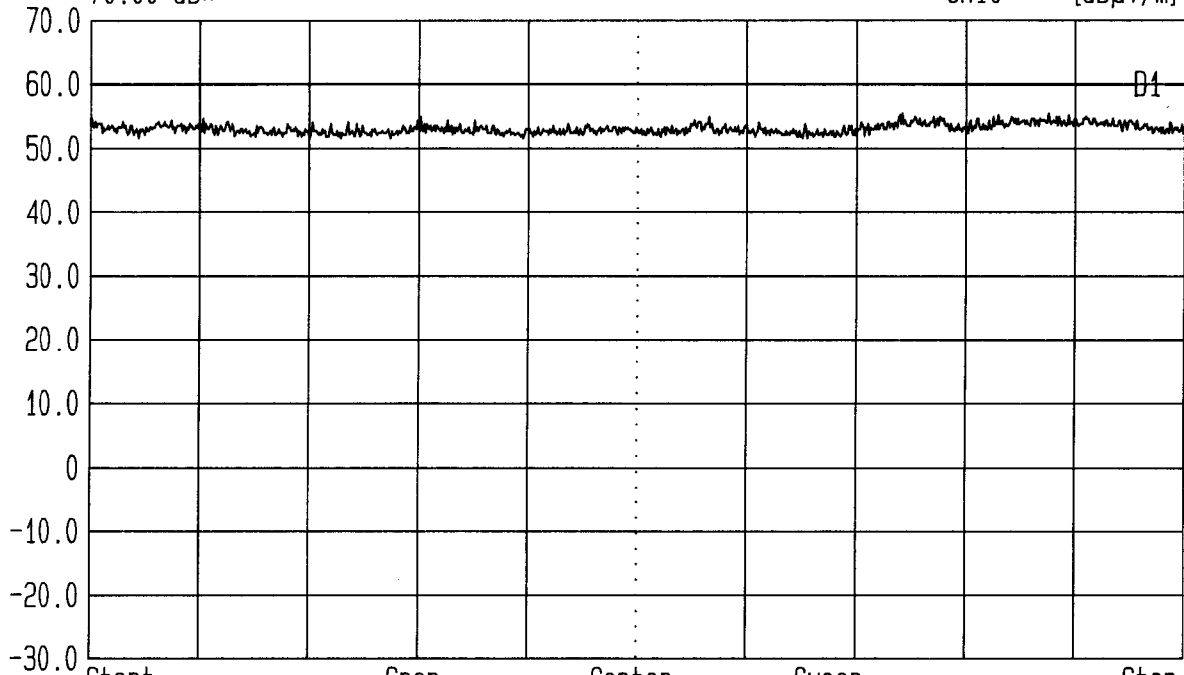
Start 4 GHz Span 1 GHz Center 4.5 GHz Sweep 20 ms Stop 5 GHz

RADIATED EMISSIONS TESTED BY RFI LTD FOR ERICSSON MICROWAVE SYSTEMS LTD ENG: SJA
 SPEC: 47CFR 15.109 D1=AVG LIMIT EUT: RBS 2302 GSM 1900 MODE: Rx 37902/01/01/011



Date 07.Oct.'98 Time 16:20:42
 Ref.Lvl
 70.00 dBx

Res.Bw 1.0 MHz [3dB] Vid.Bw 1 MHz
 CF.Stp 100.000 MHz RF.Att 0 dB
 Unit [dBμV/m]



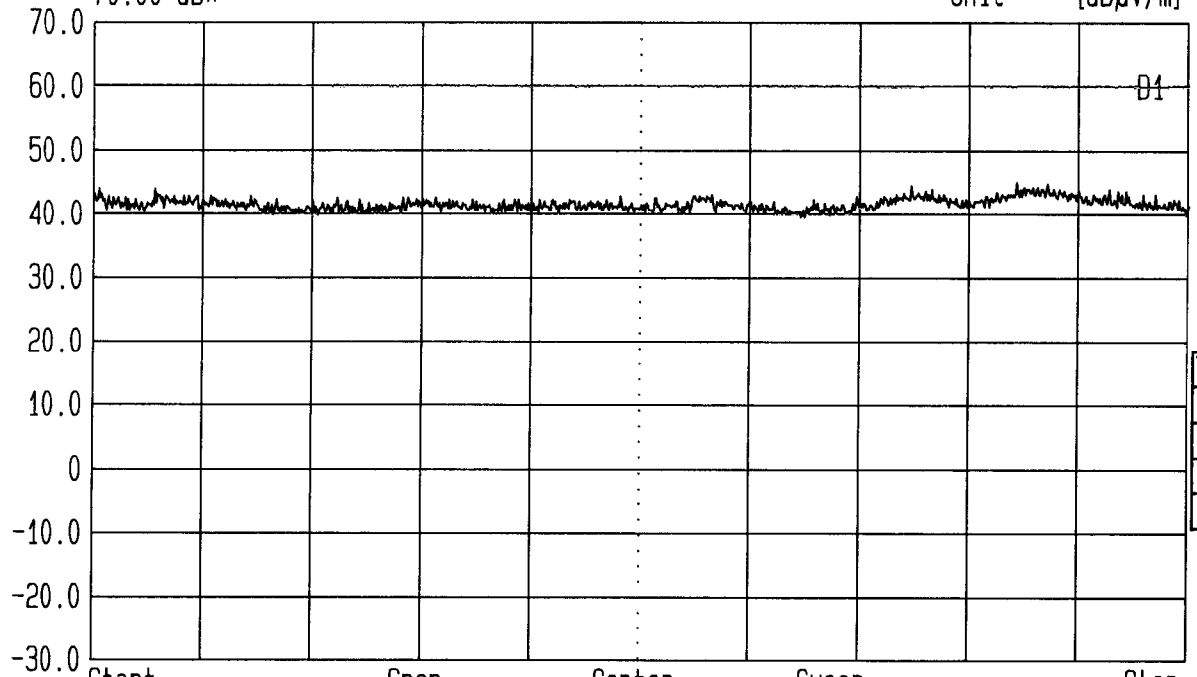
Start 5 GHz Span 1 GHz Center 5.5 GHz Sweep 20 ms Stop 6 GHz

RADIATED EMISSIONS TESTED BY RFI LTD FOR ERICSSON MICROWAVE SYSTEMS LTD ENG: SJA
 SPEC: 47CFR 15.109 D1=AVG LIMIT EUT: RBS 2302 GSM 1900 MODE: Rx 37902/01/01/012



Date 07.Oct.'98 Time 16:23:44
 Ref.Lvl
 70.00 dBx

Res.Bw 100.0 kHz [3dB] Vid.Bw 1 MHz
 CF.Stp 100.000 MHz RF.Att 0 dB
 Unit [dBμV/m]



TT
1

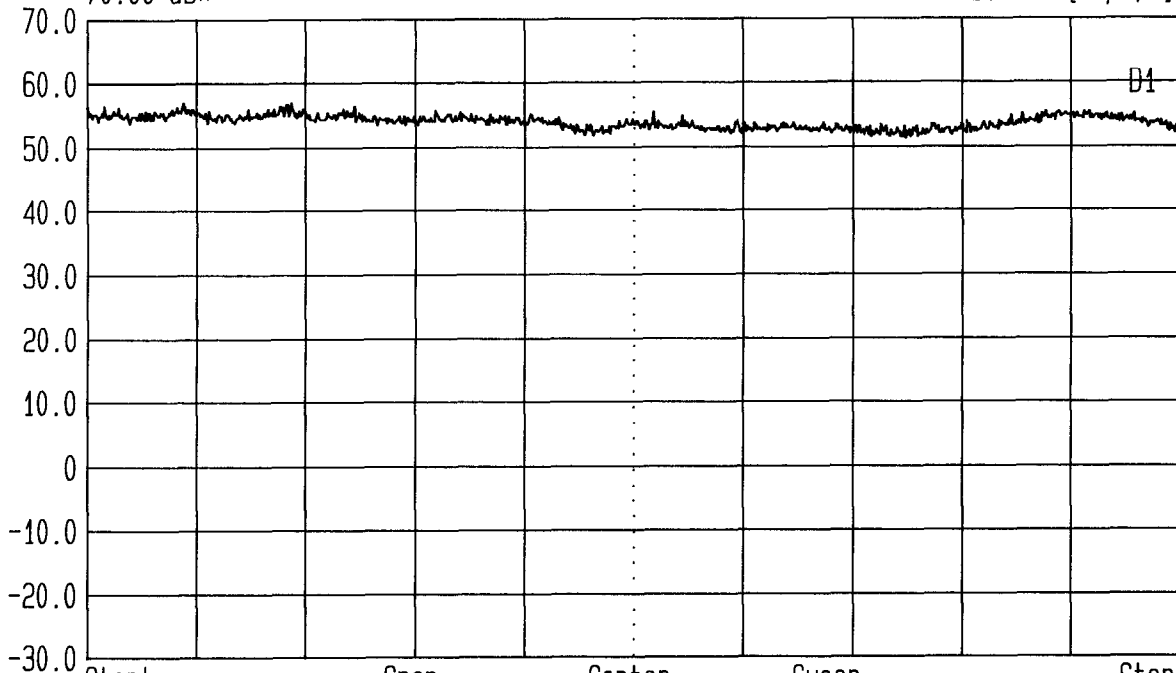
Start 5 GHz Span 1 GHz Center 5.5 GHz Sweep 300 ms Stop 6 GHz

RADIATED EMISSIONS TESTED BY RFI LTD FOR ERICSSON MICROWAVE SYSTEMS LTD ENG: SJA
 SPEC: 47CFR 15.109 D1=AVG LIMIT EUT: RBS 2302 GSM 1900 MODE: Rx 37902/01/01/013



Date 07.Oct.'98 Time 16:37:59
 Ref.Lvl
 70.00 dBx

Res.Bw 1.0 MHz [3dB] Vid.Bw 1 MHz
 CF.Stp 220.000 MHz RF.Att 0 dB
 Unit [dBμV/m]



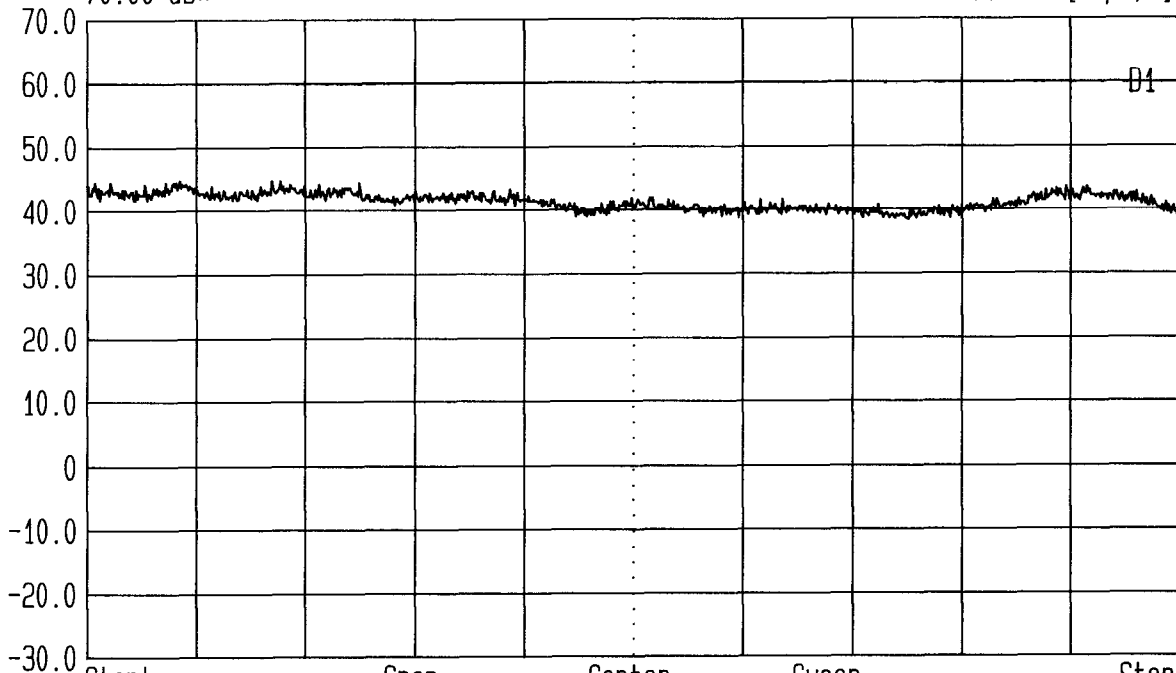
Start 6 GHz Span 2.2 GHz Center 7.1 GHz Sweep 20 ms Stop 8.2 GHz

RADIATED EMISSIONS TESTED BY RFI LTD FOR ERICSSON MICROWAVE SYSTEMS LTD ENG: SJA
 SPEC: 47CFR 15.109 D1=AVG LIMIT EUT: RBS 2302 GSM 1900 MODE: Rx 37902/01/01/014



Date 07.Oct.'98 Time 16:31:18
 Ref.Lvl
 70.00 dBx

Res.Bw 100.0 kHz [3dB] Vid.Bw 1 MHz
 CF.Stp 220.000 MHz RF.Att 0 dB
 Unit [dBμV/m]



TT
1

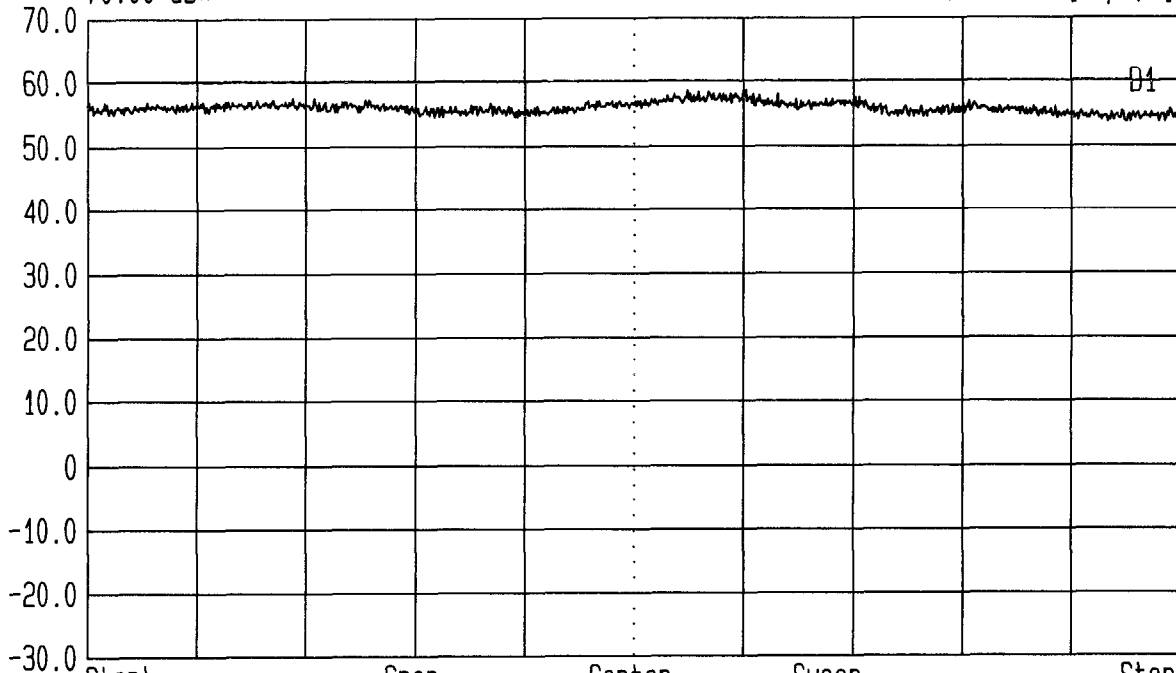
Start 6 GHz Span 2.2 GHz Center 7.1 GHz Sweep 660 ms Stop 8.2 GHz

RADIATED EMISSIONS TESTED BY RFI LTD FOR ERICSSON MICROWAVE SYSTEMS LTD ENG: SJA
 SPEC: 47CFR 15.109 D1=AVG LIMIT EUT: RBS 2302 GSM 1900 MODE: Rx 37902/01/01/015



Date 07.Oct.'98 Time 16:49:33
 Ref.Lvl
 70.00 dBx

Res.Bw 1.0 MHz [3dB] Vid.Bw 1 MHz
 CF.Stp 180.000 MHz RF.Att 0 dB
 Unit [dBμV/m]



TT
1

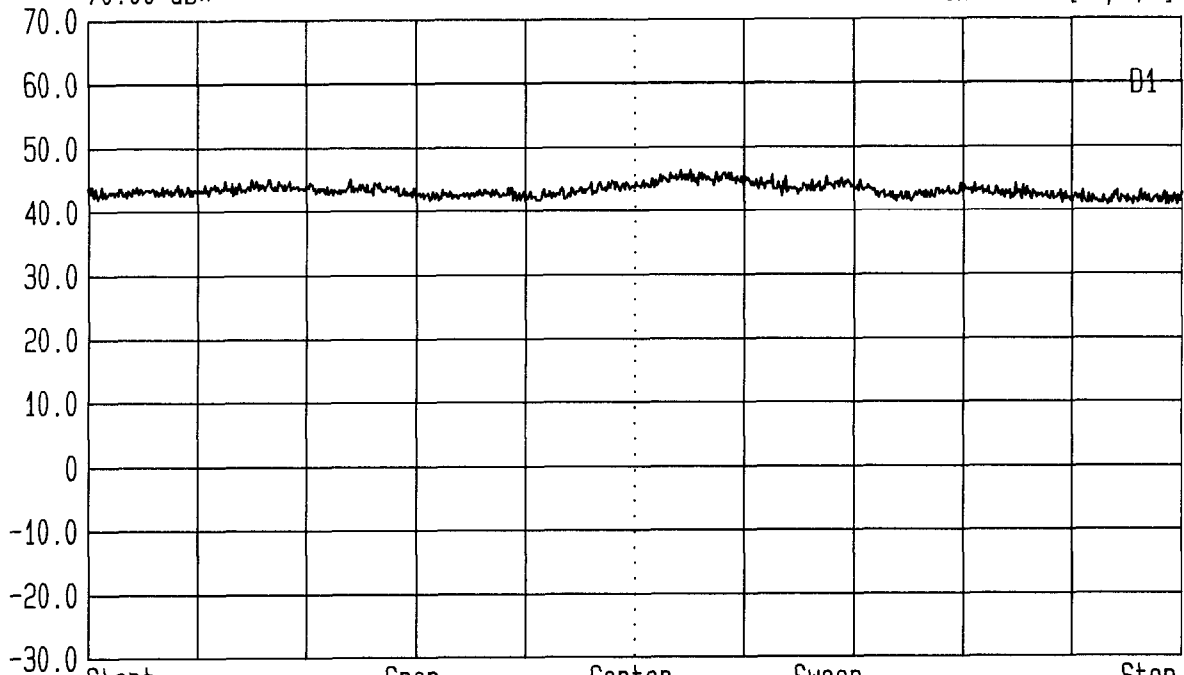
Start 8.2 GHz Span 1.8 GHz Center 9.1 GHz Sweep 20 ms Stop 10 GHz

RADIATED EMISSIONS TESTED BY RFI LTD FOR ERICSSON MICROWAVE SYSTEMS LTD ENG: SJA
 SPEC: 47CFR 15.109 D1=AVG LIMIT EUT: RBS 2302 GSM 1900 MODE: Rx 37902/01/01/016



Date 07.Oct.'98 Time 16:43:17
 Ref.Lvl
 70.00 dBx

Res.Bw 100.0 kHz [3dB] Vid.Bw 1 MHz
 CF.Stp 180.000 MHz RF.Att 0 dB
 Unit [dBμV/m]

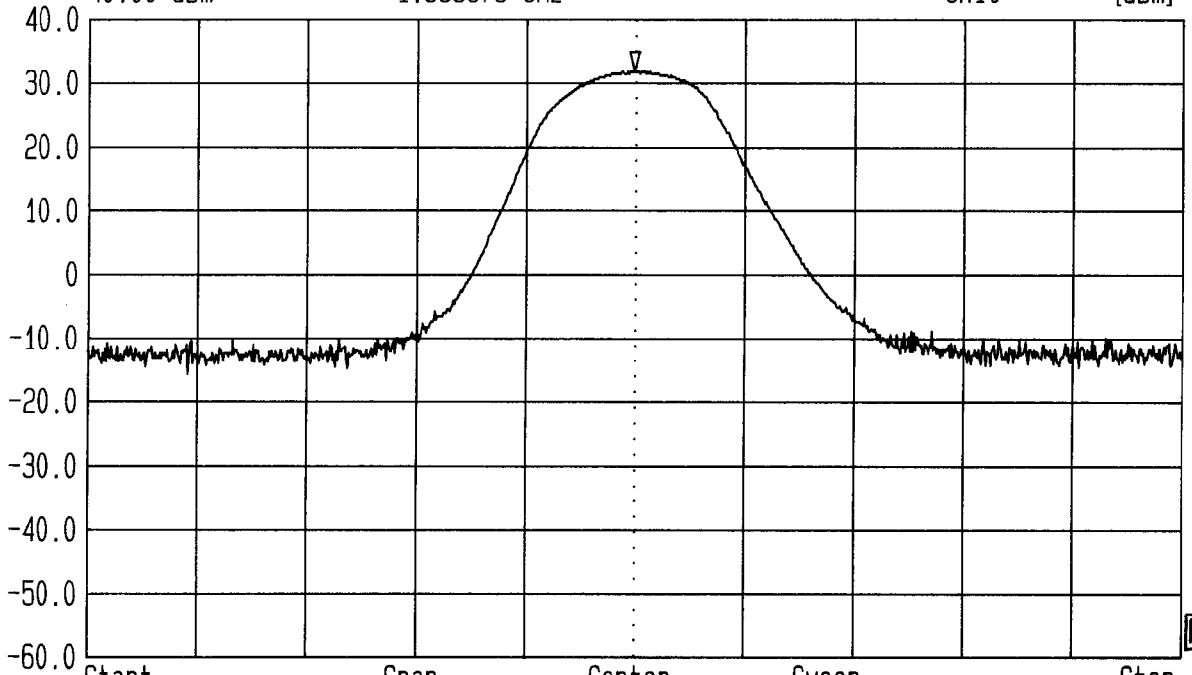


Start 8.2 GHz Span 1.8 GHz Center 9.1 GHz Sweep 540 ms Stop 10 GHz
 RADIATED EMISSIONS TESTED BY RFI LTD FOR ERICSSON MICROWAVE SYSTEMS LTD ENG: SJA
 SPEC: 47CFR 15.109 D1=AVG LIMIT EUT: RBS 2302 GSM 1900 MODE: Rx 37902/01/01/017



LVLOFF
Date 08.Oct.'98 Time 09:42:43
Ref.Lvl 40.00 dBm
Marker 32.03 dBm
1.989679 GHz

Res.Bw 1 MHz [imp]
TG.Lvl -20.00 dBm
CF.Stp 800.000 kHz
Vid.Bw 1 MHz
RF.Att 30 dB
Unit [dBm]



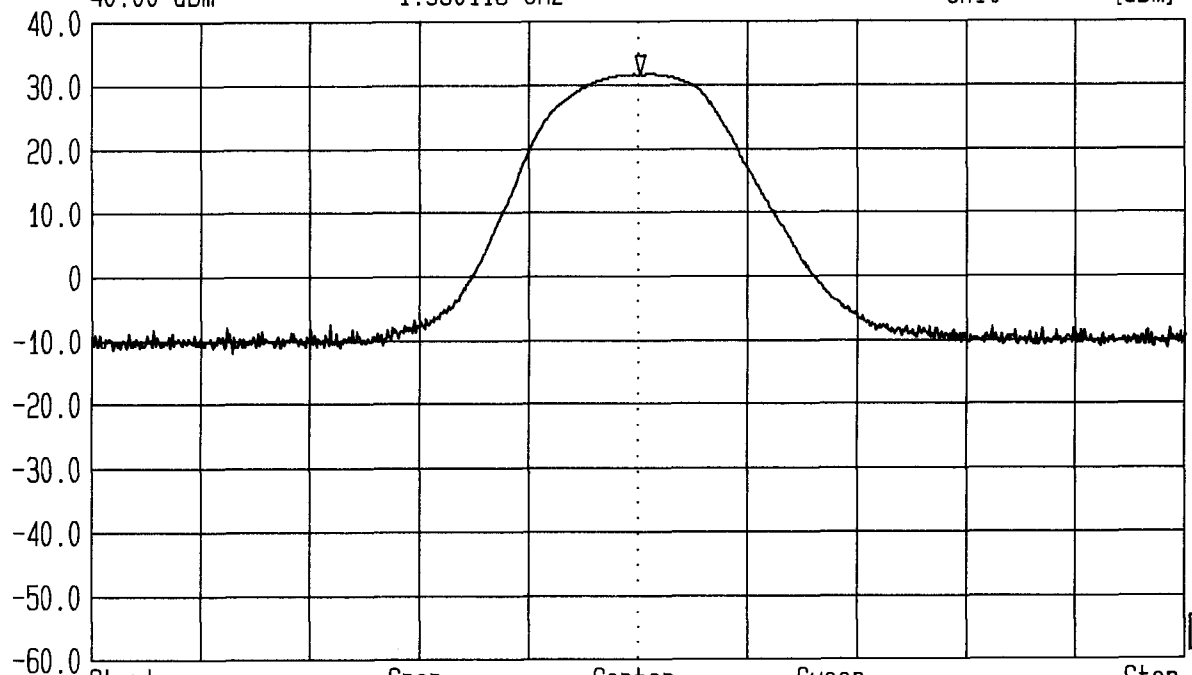
Start 1.985688 GHz Span 8 MHz Center 1.989688 GHz Sweep 20 ms Stop 1.993688 GHz

Antenna Port. Tested by RFI for Ericsson Microwave Systems Ltd.
FCC Part 24.238. Top Channel. Tx Level: 32.0dBm.

ENG: RH
GPH/37902/01/01/018



LVLOFF
 Date 08.Oct.'98 Time 09:46:28 Res.Bw 1 MHz [imp] Vid.Bw 1 MHz
 Ref.Lvl 40.00 dBm Marker 31.93 dBm TG.Lvl -20.00 dBm
 CF.Stp 800.000 kHz RF.Att 30 dB
 Unit [dBm]



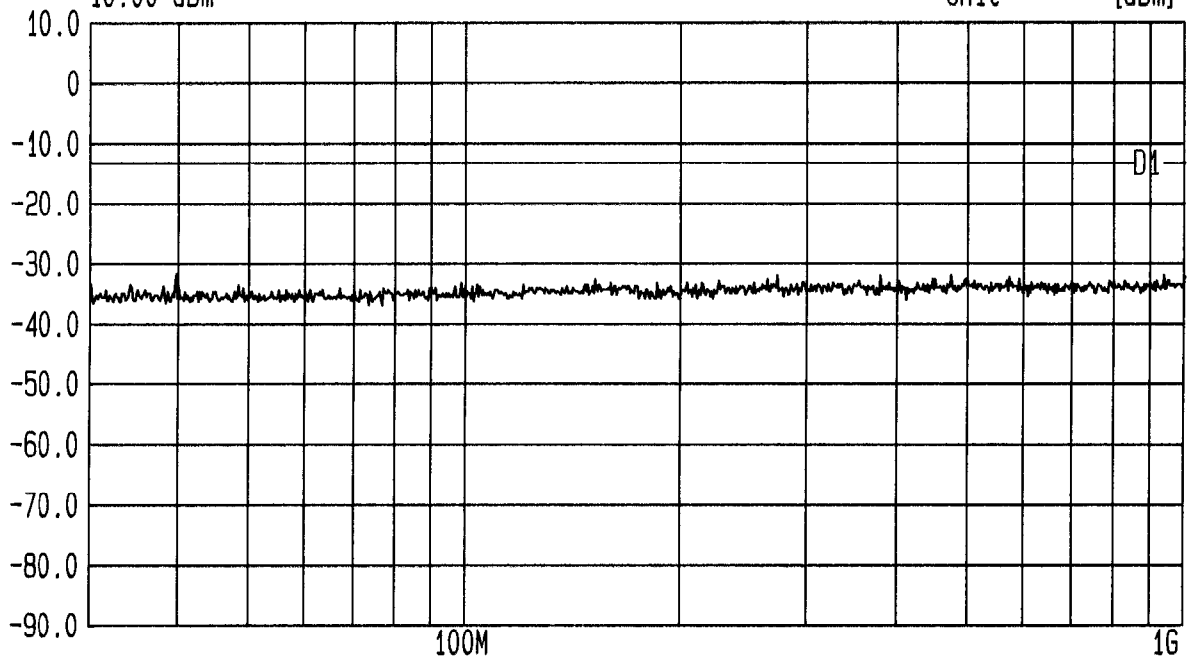
FI

Start 1.926097 GHz Span 8 MHz Center 1.930097 GHz Sweep 20 ms Stop 1.934097 GHz
 Antenna Port. Tested by RFI for Ericsson Microwave Systems Ltd. ENG: RH
 FCC Part 24.238. Bottom Channel. Tx Level: 31.9dBm. GPH/37902/01/01/019



LVLOFF
Date 08.Oct.'98 Time 10:37:22
Ref.Lvl
10.00 dBm

Res.Bw 1.0 MHz [3dB] Vid.Bw 1 MHz
TG.Lvl off
CF.Stp 97.000 MHz RF.Att Unit 10 dB [dBm]



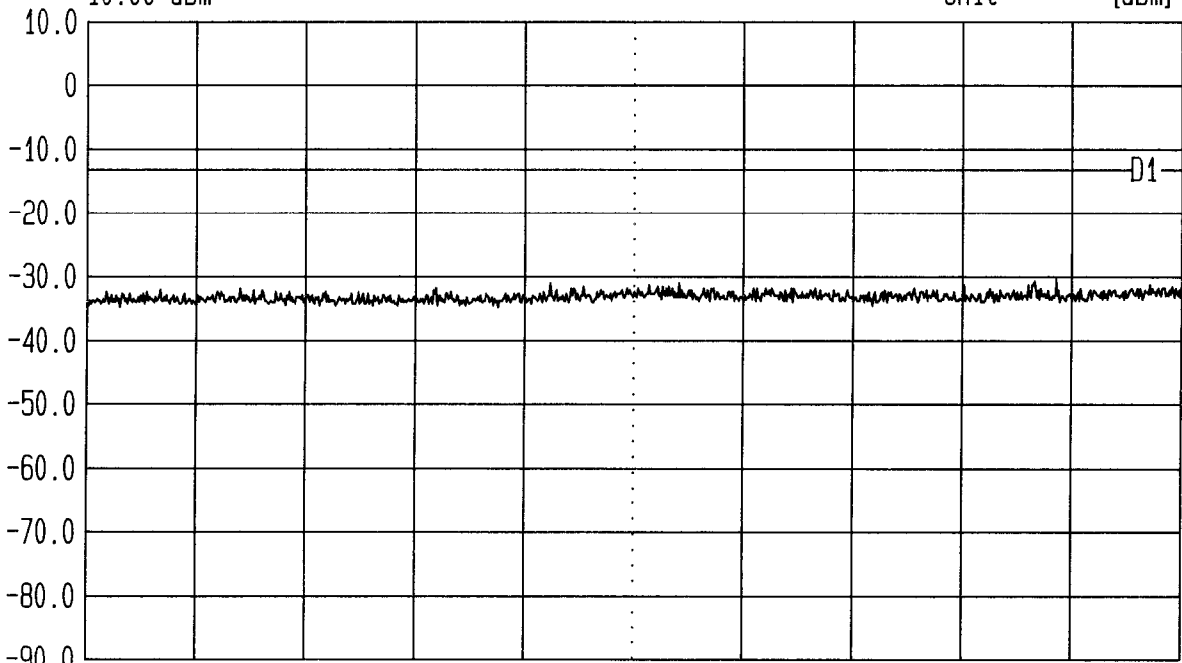
Start 30 MHz Span 970 MHz Center 173.2 MHz Sweep 20 ms Stop 1 GHz

Antenna Port. Tested by RFI for Ericsson Microwave Systems Ltd. ENG: RH
FCC Part 24.238(a).Bottom Channel. Max Tx Level: 32.0dBm. GPH/37902/01/01/020



LVLOFF
Date 08.Oct.'98 Time 10:34:25
Ref.Lvl
10.00 dBm

Res.Bw 1.0 MHz [3dB] Vid.Bw 1 MHz
TG.Lvl off
CF.Stp 92.800 MHz RF.Att 10 dB
Unit [dBm]



Start 1 GHz Span 928 MHz Center 1.464 GHz Sweep 20 ms Stop 1.928 GHz

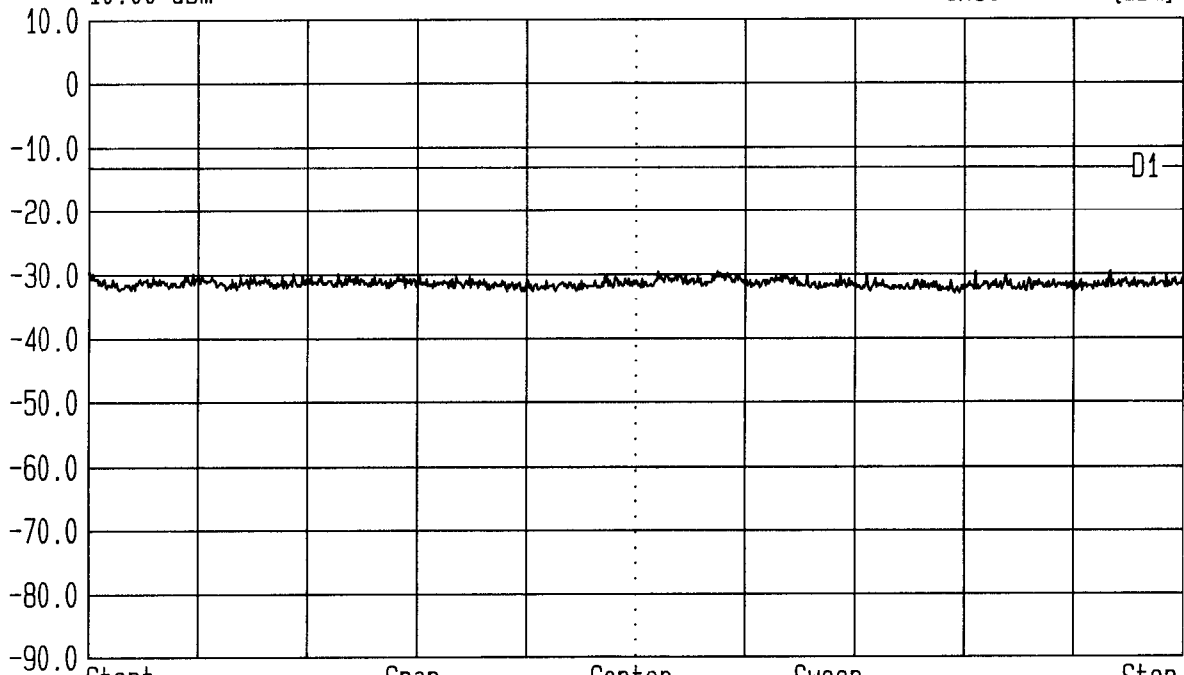
Antenna Port. Tested by RFI for Ericsson Microwave Systems Ltd.
FCC Part 24.238(a).Bottom Channel. Max Tx Level: 32.0dBm.

ENG: RH
GPH/37902/01/01/021



LVLOFF
Date 08.Oct.'98 Time 10:30:48
Ref.Lvl
10.00 dBm

Res.Bw 1.0 MHz [3dB] Vid.Bw 1 MHz
TG.Lvl off
CF.Stp 201.032 MHz RF.Att 10 dB
Unit [dBm]



Start 1.989 GHz Span 2.010 GHz Center 2.994 GHz Sweep 20 ms Stop 4 GHz

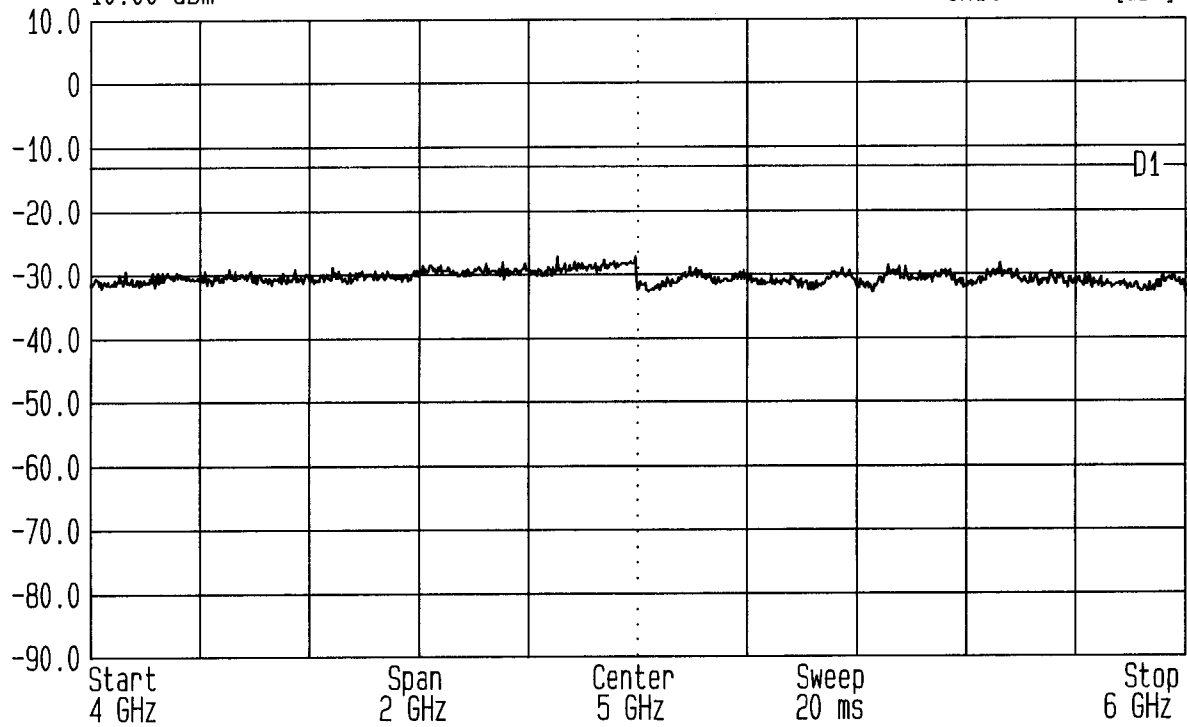
Antenna Port. Tested by RFI for Ericsson Microwave Systems Ltd.
FCC Part 24.238 (a) Bottom Channel. Max Tx Level: 32.0dBm.

ENG: RH
GPH/37902/01/01/022



LVLOFF
Date 08.Oct.'98 Time 10:27:20
Ref.Lvl
10.00 dBm

Res.Bw 1.0 MHz [3dB] Vid.Bw 1 MHz
TG.Lvl off
CF.Stp 200.000 MHz RF.Att 10 dB
Unit [dBm]



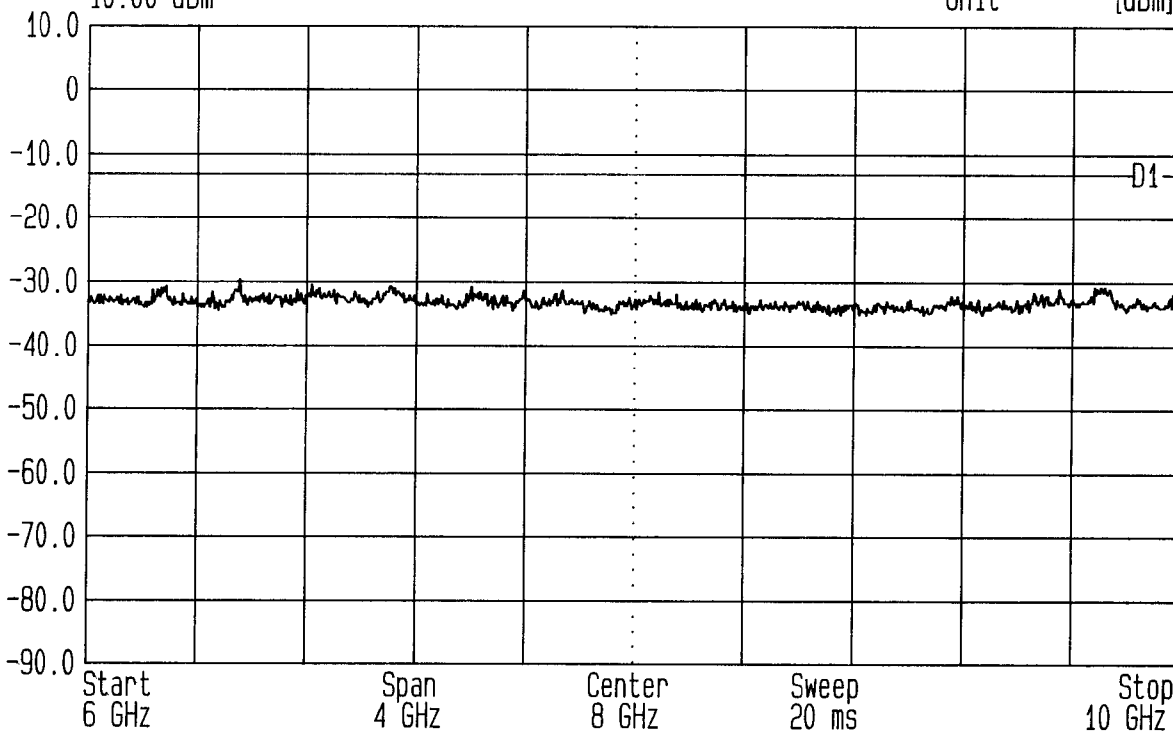
Antenna Port. Tested by RFI for Ericsson Microwave Systems Ltd.
FCC Part 24.238(a).Bottom Channel. Max Tx Level: 32.0dBm.

ENG: RH
GPH/37902/01/01/023



LVLOFF
Date 08.Oct.'98 Time 10:24:13
Ref.Lvl
10.00 dBm

Res.Bw 1.0 MHz [3dB] Vid.Bw 1 MHz
TG.Lvl off
CF.Stp 400.000 MHz RF.Att 10 dB
Unit [dBm]



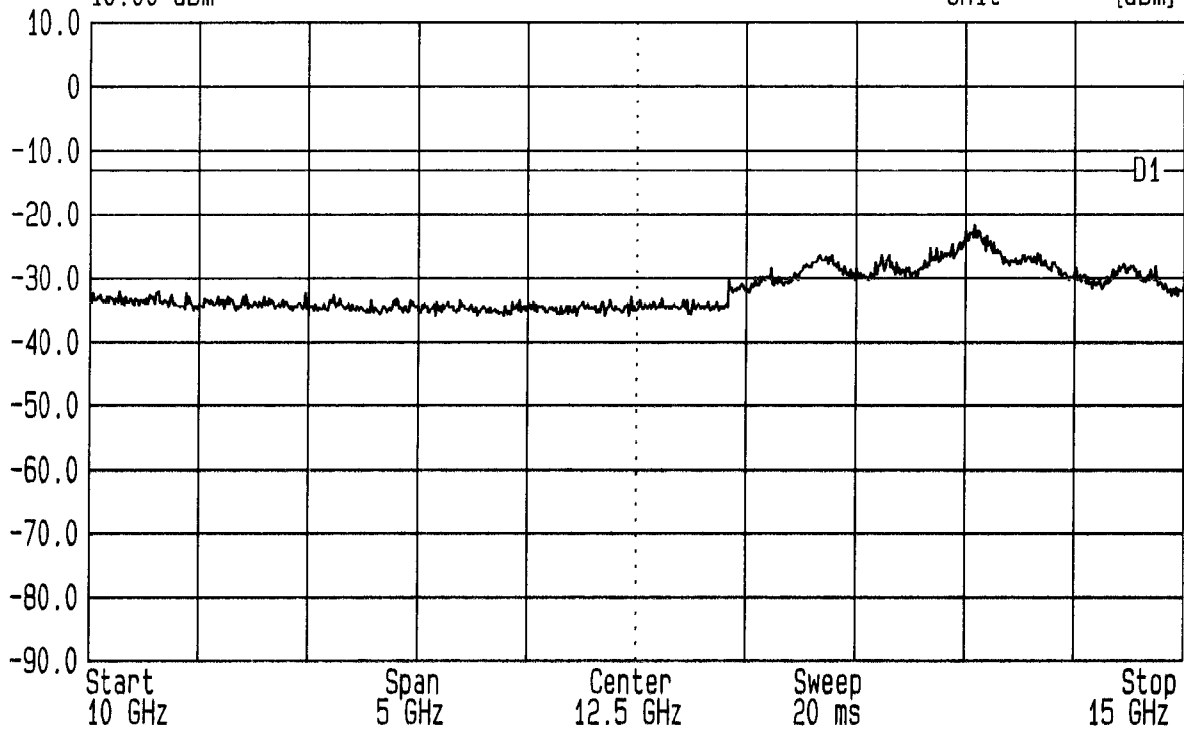
Antenna Port. Tested by RFI for Ericsson Microwave Systems Ltd.
FCC Part 24.238(a).Bottom Channel. Max Tx Level: 32.0dBm.

ENG: RH
GPH/37902/01/01/024



LVLOFF
Date 08.Oct.'98 Time 10:40:39
Ref.Lvl
10.00 dBm

Res.Bw 1.0 MHz [3dB] Vid.Bw 1 MHz
TG.Lvl off
CF.Stp 500.000 MHz RF.Att Unit 10 dB [dBm]



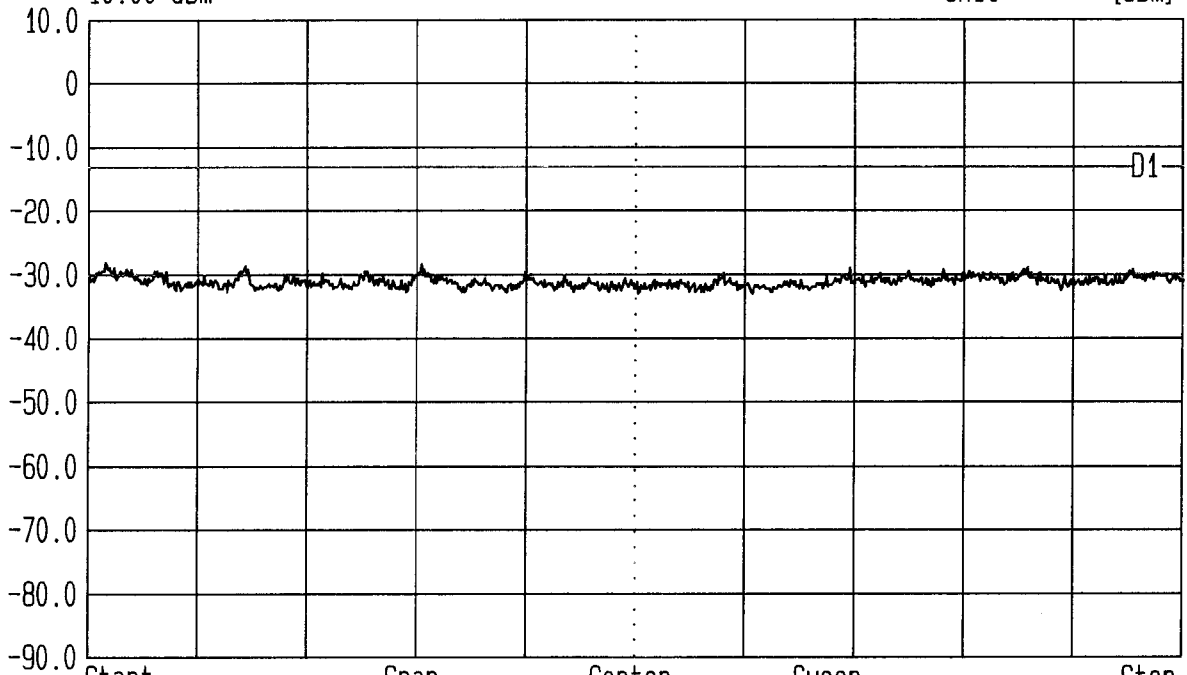
Antenna Port. Tested by RFI for Ericsson Microwave Systems Ltd.
FCC Part 24.238(a). Bottom Channel. Max Tx Level: 32.0dBm.

ENG: RH
GPH/37902/01/01/025



LVLOFF
Date 08.Oct.'98 Time 10:43:42
Ref.Lvl
10.00 dBm

Res.Bw 1.0 MHz [3dB] Vid.Bw 1 MHz
TG.Lvl off
CF.Stp 500.000 MHz RF.Att Unit 10 dB [dBm]

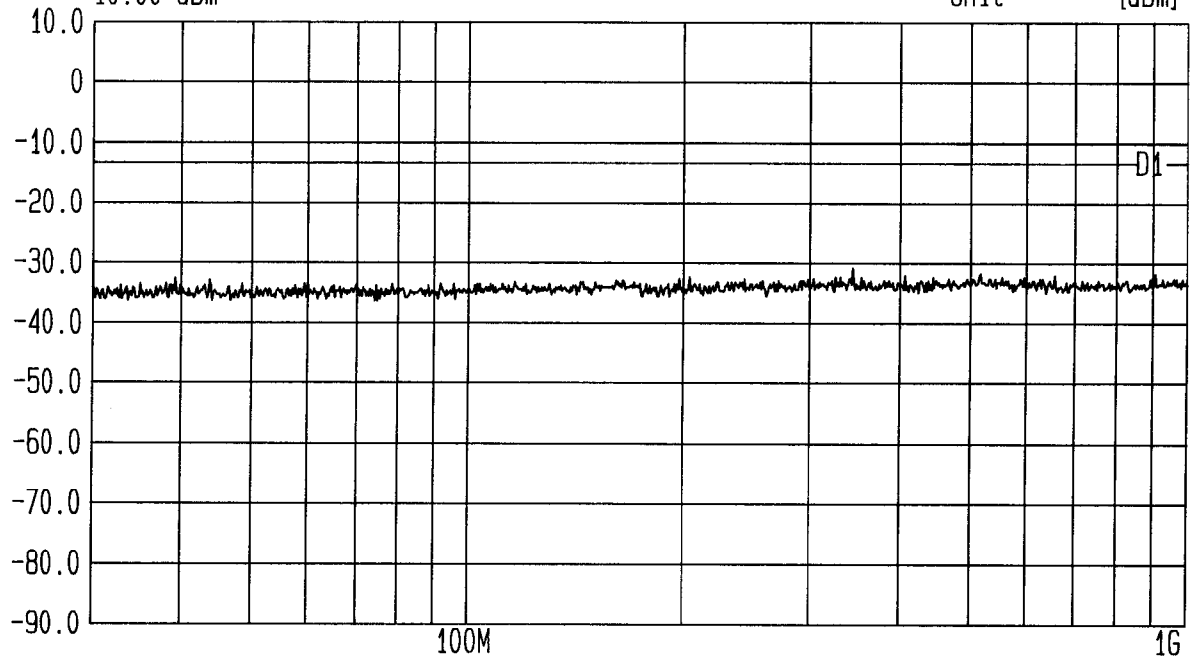


Start 15 GHz Span 5 GHz Center 17.5 GHz Sweep 20 ms Stop 20 GHz
9ntenna Port. Tested by RFI for Ericsson Microwave Systems Ltd. ENG: RH
FCC Part 24.238(a).Bottom Channel. Max Tx Level: 32.0dBm. GPH/37902/01/01/026



LVLOFF
Date 08.Oct.'98 Time 10:46:52
Ref.Lvl
10.00 dBm

Res.Bw 1.0 MHz [3dB] Vid.Bw 1 MHz
TG.Lvl off
CF.Stp 97.000 MHz RF.Att 10 dB
Unit [dBm]

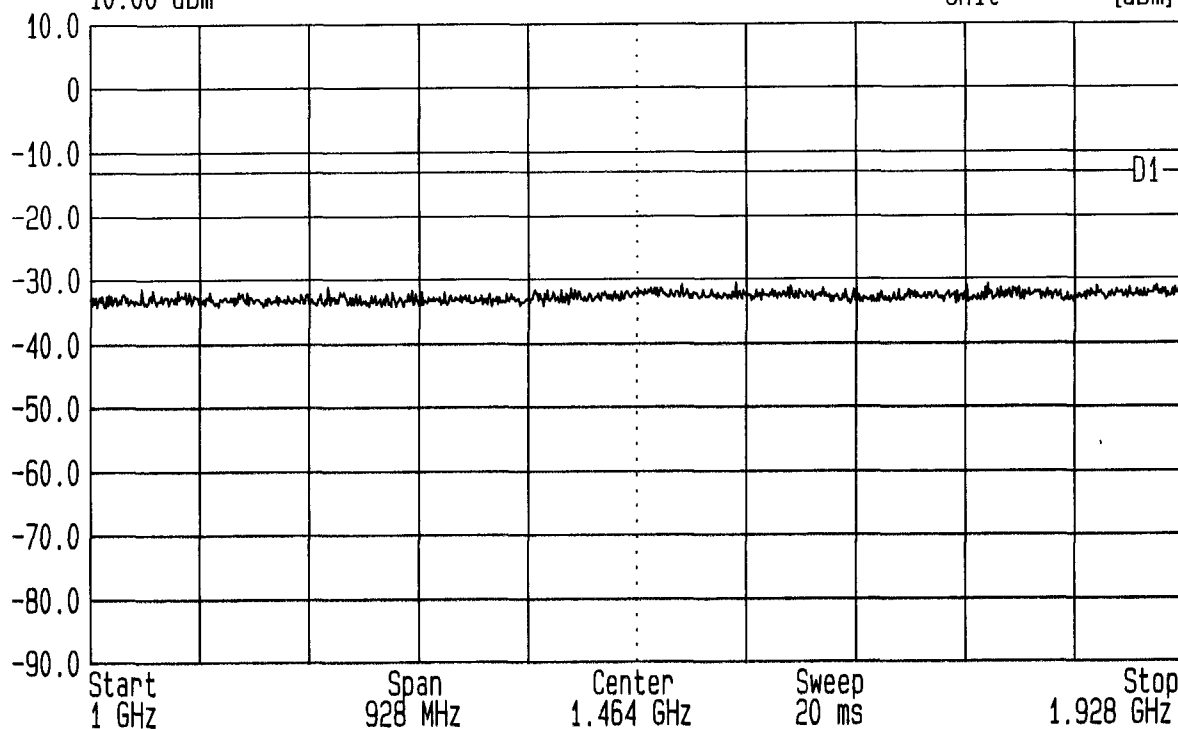


Start 30 MHz Span 970 MHz Center 173.2 MHz Sweep 20 ms Stop 1 GHz
9ntenna Port. Tested by RFI for Ericsson Microwave Systems Ltd. ENG: RH
FCC Part 24.238(a). Top Channel. Max Tx Level: 32.0dBm. GPH/37902/01/01/027



LVLOFF
Date 08.Oct.'98 Time 10:51:47
Ref.Lvl
10.00 dBm

Res.Bw 1.0 MHz [3dB] Vid.Bw 1 MHz
TG.Lvl off
CF.Stp 92.800 MHz RF.Att 10 dB
Unit [dBm]



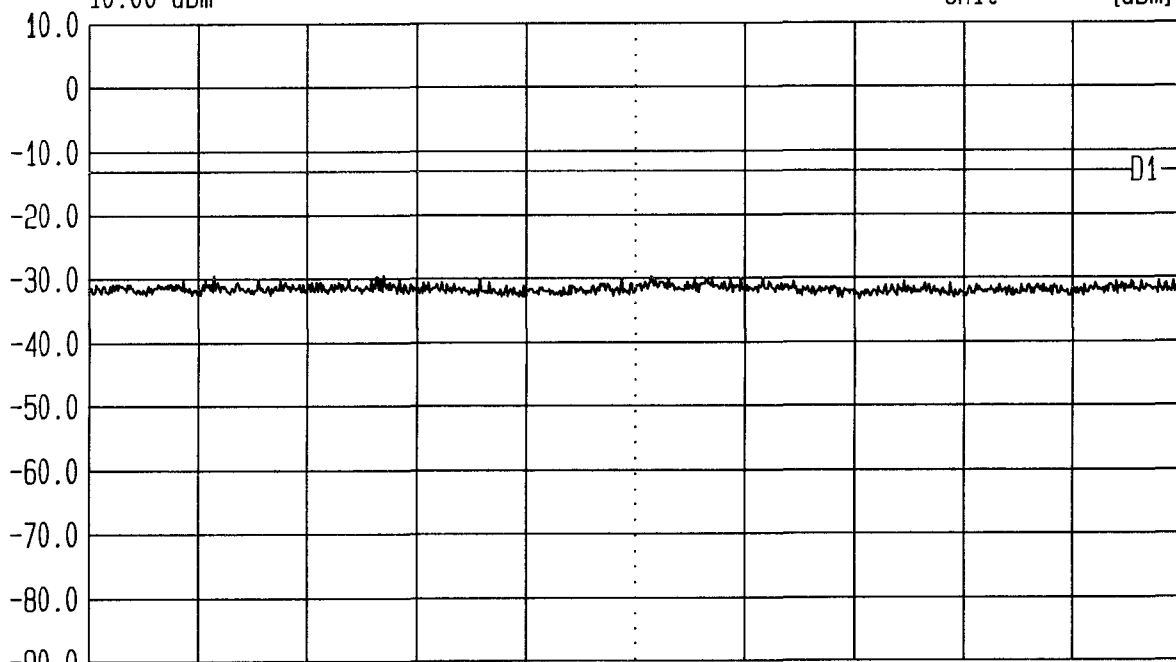
Antenna Port. Tested by RFI for Ericsson Microwave Systems Ltd.
FCC Part 24.238(a). Top Channel. Max Tx Level: 32.0dBm.

ENG: RH
GPH/37902/01/01/028



LVLOFF
 Date 08.Oct.'98 Time 10:55:36
 Ref.Lvl
 10.00 dBm

Res.Bw 1.0 MHz [3dB] Vid.Bw 1 MHz
 TG.Lvl off
 CF.Stp 195.000 MHz RF.Att 10 dB
 Unit [dBm]



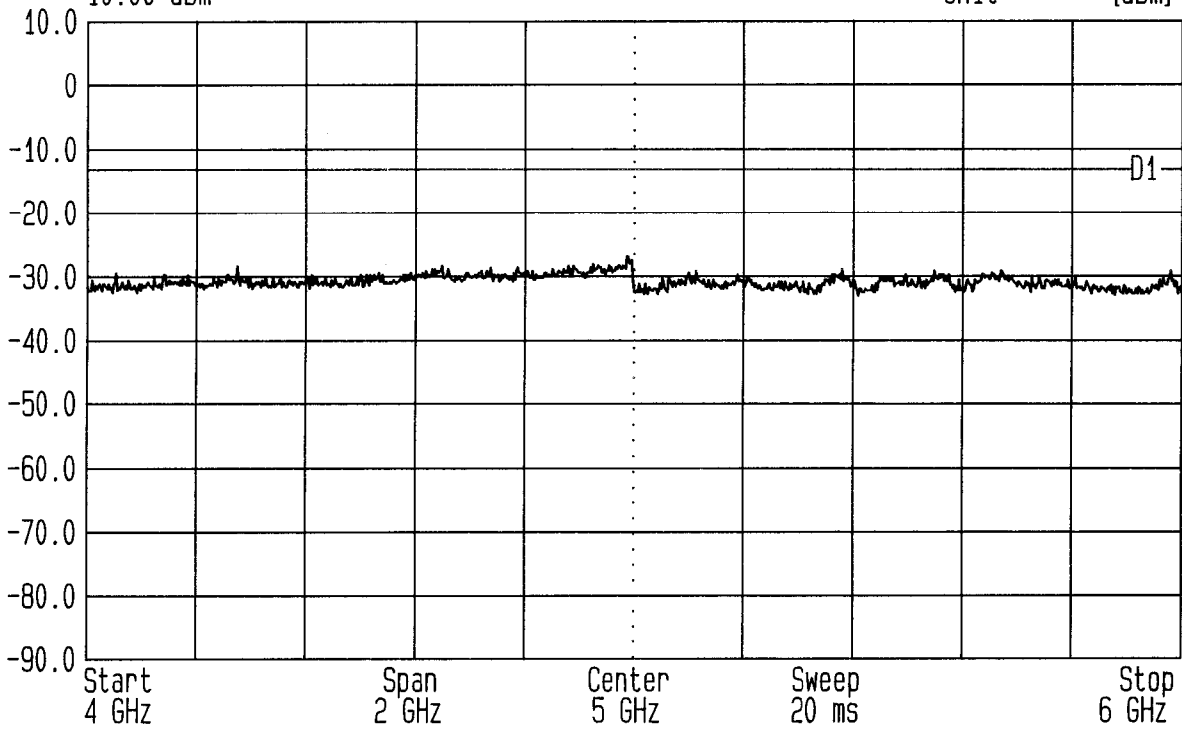
Start 2.05 GHz Span 1.95 GHz Center 3.025 GHz Sweep 20 ms Stop 4 GHz

Antenna Port. Tested by RFI for Ericsson Microwave Systems Ltd. ENG: RH
 FCC Part 24.238(a). Top Channel. Max Tx Level: 32.0dBm. GPH/37902/01/01/029



LVLOFF
Date 08.Oct.'98 Time 10:58:36
Ref.Lvl
10.00 dBm

Res.Bw 1.0 MHz [3dB] Vid.Bw 1 MHz
TG.Lvl off
CF.Stp 200.000 MHz RF.Att 10 dB
Unit [dBm]



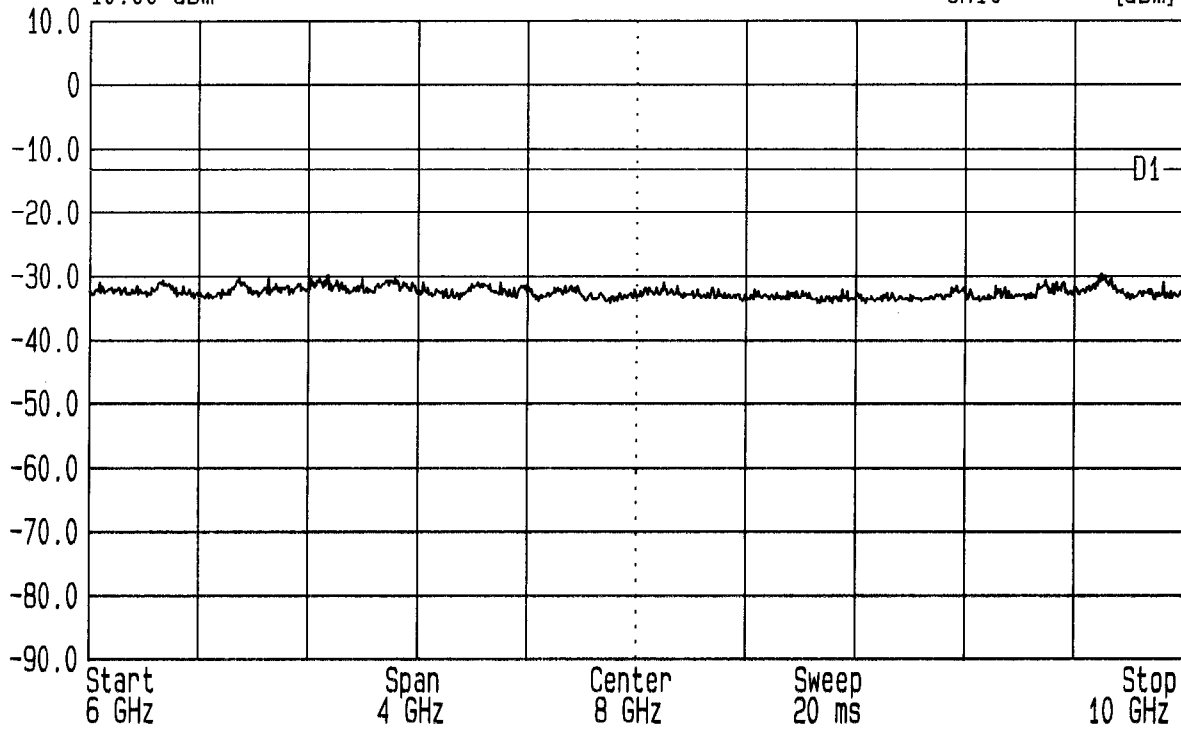
Antenna Port. Tested by RFI for Ericsson Microwave Systems Ltd.
FCC Part 24.238(a). Top Channel. Max Tx Level: 32.0dBm.

ENG: RH
GPH/37902/01/01/030



LVLOFF
Date 08.Oct.'98 Time 11:01:41
Ref.Lvl
10.00 dBm

Res.Bw 1.0 MHz [3dB] Vid.Bw 1 MHz
TG.Lvl off
CF.Stp 400.000 MHz RF.Att 10 dB
Unit [dBm]



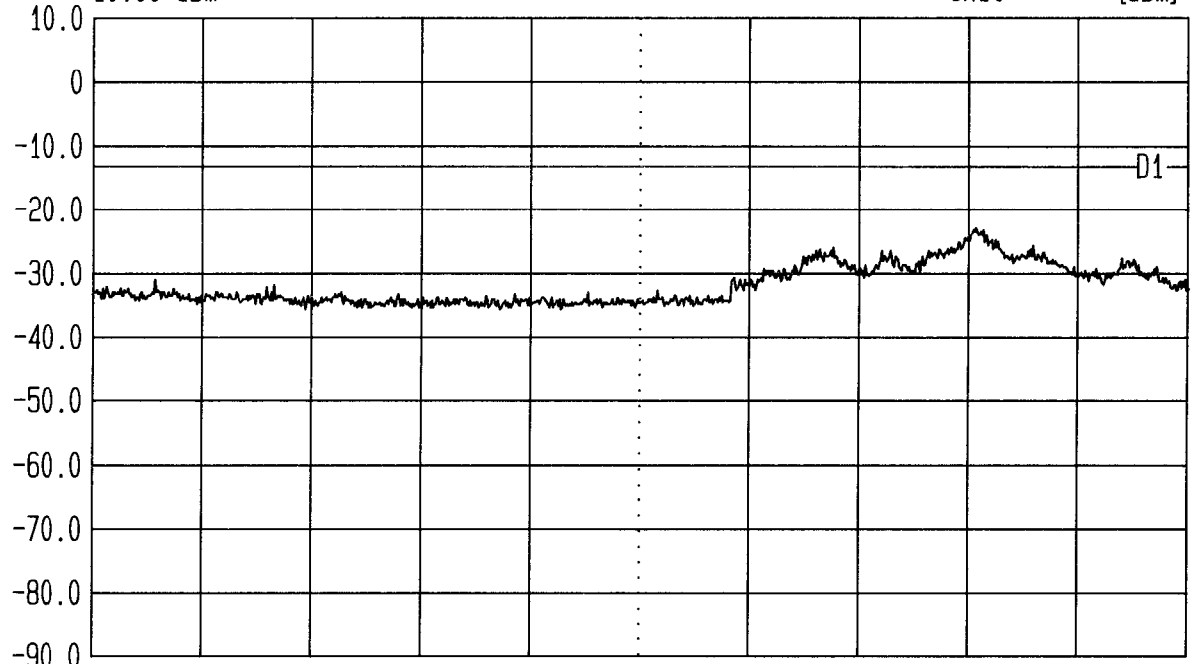
Antenna Port. Tested by RFI for Ericsson Microwave Systems Ltd.
FCC Part 24.238(a). Top Channel. Max Tx Level: 32.0dBm.

ENG: RH
GPH/37902/01/01/031



LVLOFF
Date 08.Oct.'98 Time 11:04:33
Ref.Lvl
10.00 dBm

Res.Bw 1.0 MHz [3dB] Vid.Bw 1 MHz
TG.Lvl off
CF.Stp 500.000 MHz RF.Att 10 dB
Unit [dBm]



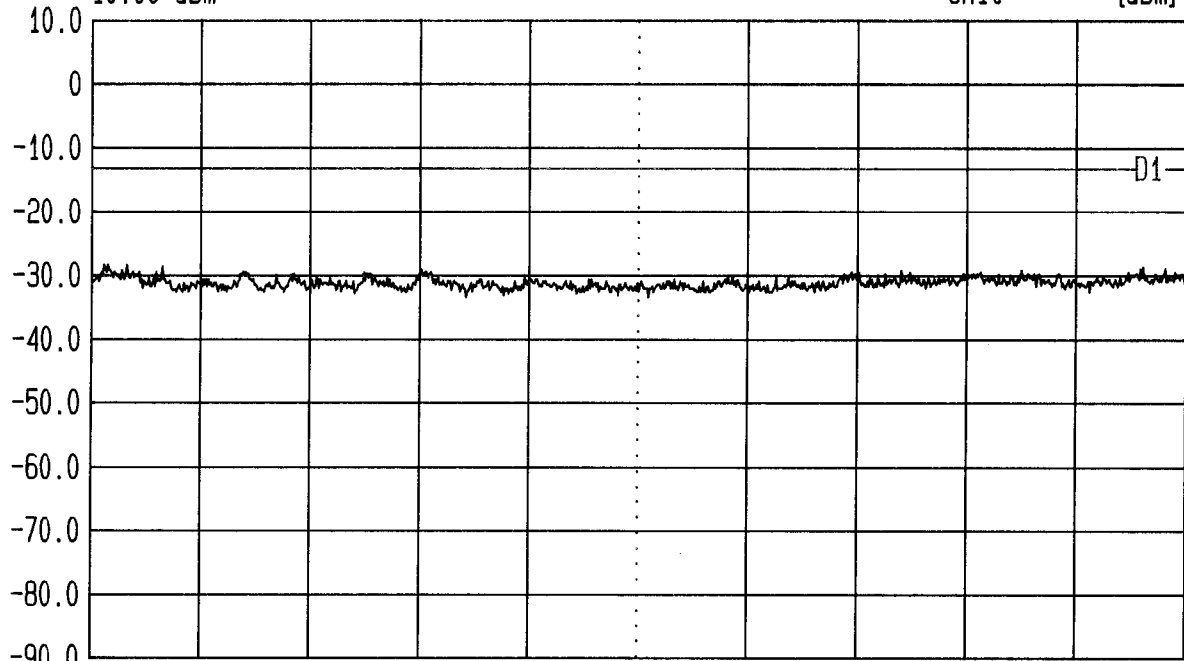
Start 10 GHz Span 5 GHz Center 12.5 GHz Sweep 20 ms Stop 15 GHz

Antenna Port. Tested by RFI for Ericsson Microwave Systems Ltd. ENG: RH
FCC Part 24.238(a). Top Channel. Max Tx Level: 32.0dBm. GPH/37902/01/01/032



LVLOFF
Date 08.Oct.'98 Time 11:07:26
Ref.Lvl
10.00 dBm

Res.Bw 1.0 MHz [3dB] Vid.Bw 1 MHz
TG.Lvl off
CF.Stp 500.000 MHz RF.Att 10 dB
Unit [dBm]



Start 15 GHz Span 5 GHz Center 17.5 GHz Sweep 20 ms Stop 20 GHz

Antenna Port. Tested by RFI for Ericsson Microwave Systems Ltd.
FCC Part 24.238(a). Top Channel. Max Tx Level: 32.0dBm.

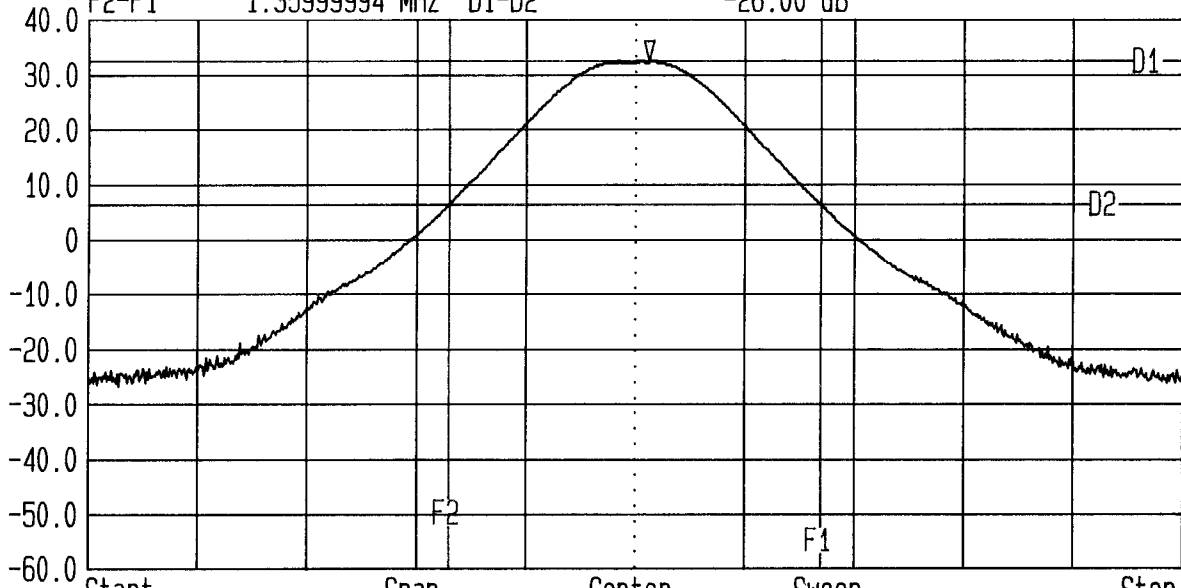
ENG: RH
GPH/37902/01/01/033



LVLOFF
Date 08.Oct.'98 Time 13:13:05
Ref.Lvl 40.00 dBm
Marker 32.69 dBm
1.944858 GHz

Res.Bw 300.0 kHz [3dB]
TG.Lvl off
CF.Stp 400.000 kHz
Vid.Bw 1 MHz
RF.Att 10 dB
Unit [dBm]

F1 1.94548777775 GHz D1 32.69 dBm
F2 1.94412777781 GHz D2 6.69 dBm
F2-F1 1.359999994 MHz D1-D2 -26.00 dB



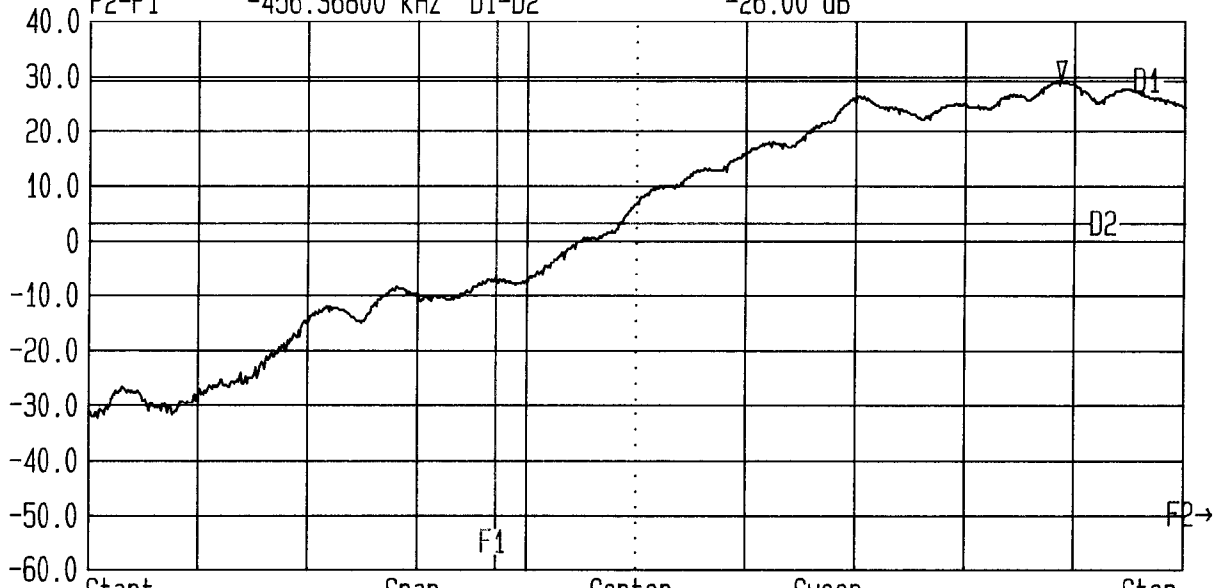
Start 1.94281 GHz Span 4 MHz Center 1.94481 GHz Sweep 20 ms Stop 1.94681 GHz

Antenna Port. Tested by RFI for Ericsson Microwave Systems Ltd.
FCC Part 24.238 (b). Block A. Tx Bandwidth 26dB Down.

ENG: RH
GPH/37902/01/01/034




LVLOFF
Date 08.Oct.'98 Time 13:33:37 Res.Bw 15.2 kHz [3dB] Vid.Bw 10 kHz
Ref.Lvl 40.00 dBm Marker 29.44 dBm TG.Lvl off
CF.Stp 40.436 kHz RF.Att 10 dB [dBm]
F1 1.93000000000 GHz D1 29.44 dBm
F2 1.93045636800 GHz D2 3.44 dBm
F2-F1 -456.36800 kHz D1-D2 -26.00 dB

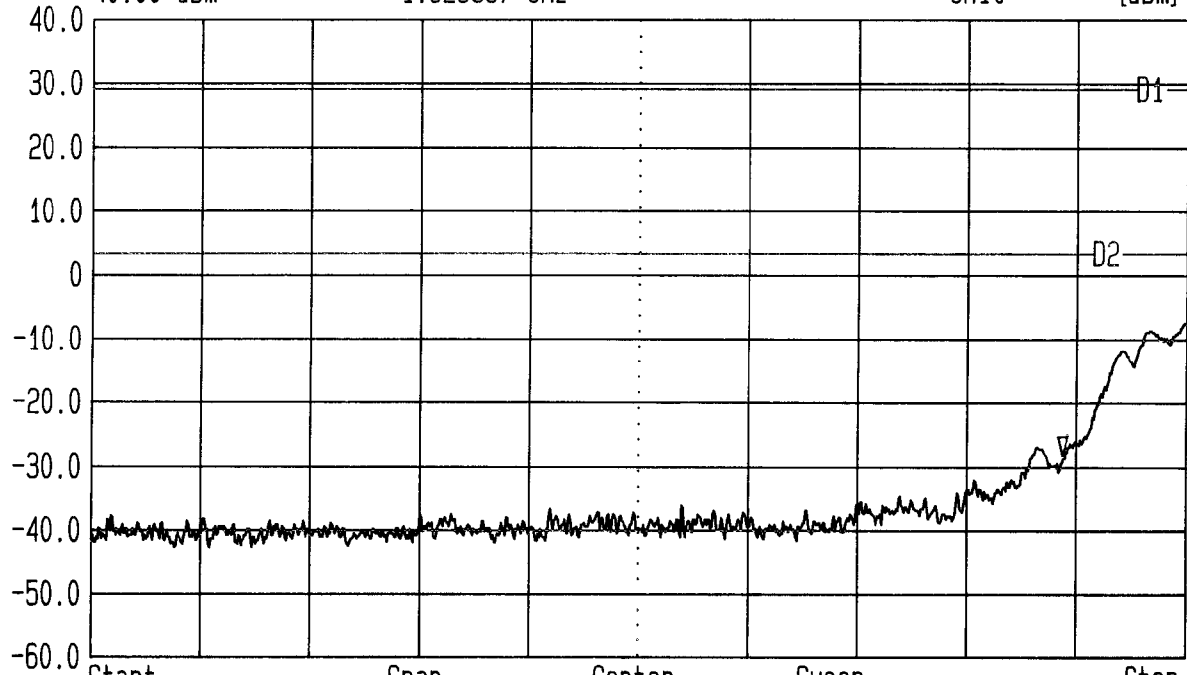


Start 1.929849816 GHz Span 404.368 kHz Center 1.930052 GHz Sweep 20 ms Stop 1.930254184 GHz

Antenna Port. Tested by RFI for Ericsson Microwave Systems Ltd.
FCC Part 24.238 (b). Block A. F1: Band Edge A.

ENG: RH
GPH/37902/01/01/035


 LVLOFF
 Date 08.Oct.'98 Time 13:37:18 Res.Bw 15.2 kHz [3dB] Vid.Bw 10 kHz
 Ref.Lvl 40.00 dBm Marker -28.25 dBm TG.Lvl off CF.Stp 100.000 kHz RF.Att 10 dB
 Unit [dBm]



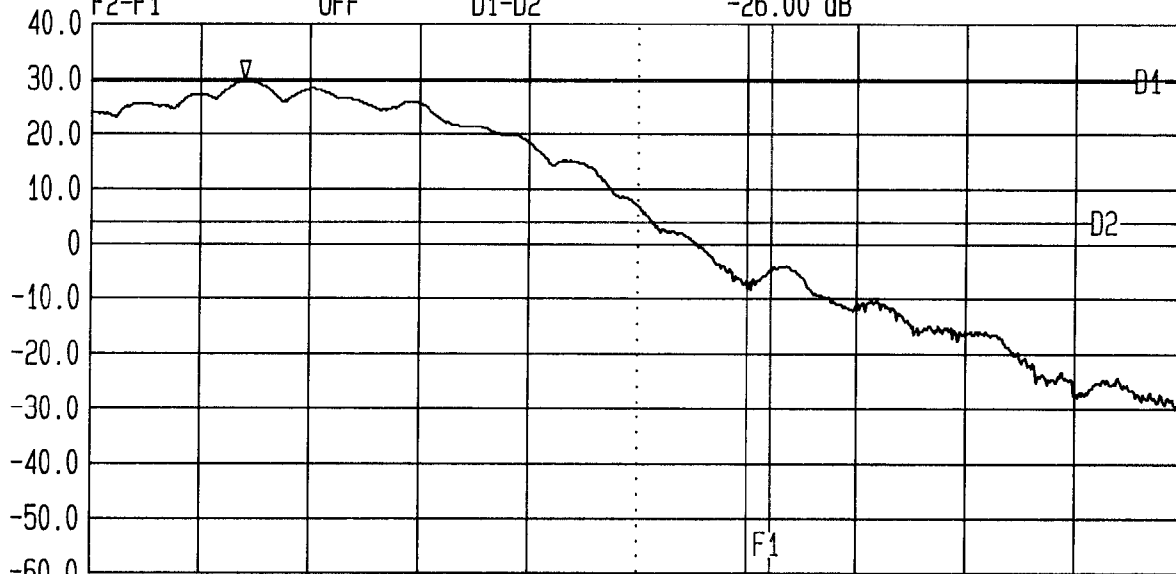
Start 1.929 GHz Span 1 MHz Center 1.9295 GHz Sweep 20 ms Stop 1.93 GHz
 Antenna Port. Tested by RFI for Ericsson Microwave Systems Ltd. ENG: RH
 FCC Part 24.238(b). 1MHz Below Block A. GPH/37902/01/01/036



LVLOFF
 Date 08.Oct.'98 Time 13:40:43
 Ref.Lvl 40.00 dBm
 Marker 29.97 dBm
 1.9448079 GHz

Res.Bw 15.2 kHz [3dB]
 TG.Lvl off
 CF.Stp 40.000 kHz
 Vid.Bw 10 kHz
 RF.Att 10 dB
 Unit [dBm]

F1 1.9450000000 GHz D1 29.97 dBm
 F2 OFF D2 3.97 dBm
 F2-F1 OFF D1-D2 -26.00 dB



Start 1.9447515 GHz Span 400 kHz Center 1.9449515 GHz Sweep 20 ms Stop 1.9451515 GHz

Antenna Port. Tested by RFI for Ericsson Microwave Systems Ltd.
 FCC Part 24.238(b). Block A. F1: Band Edge A.

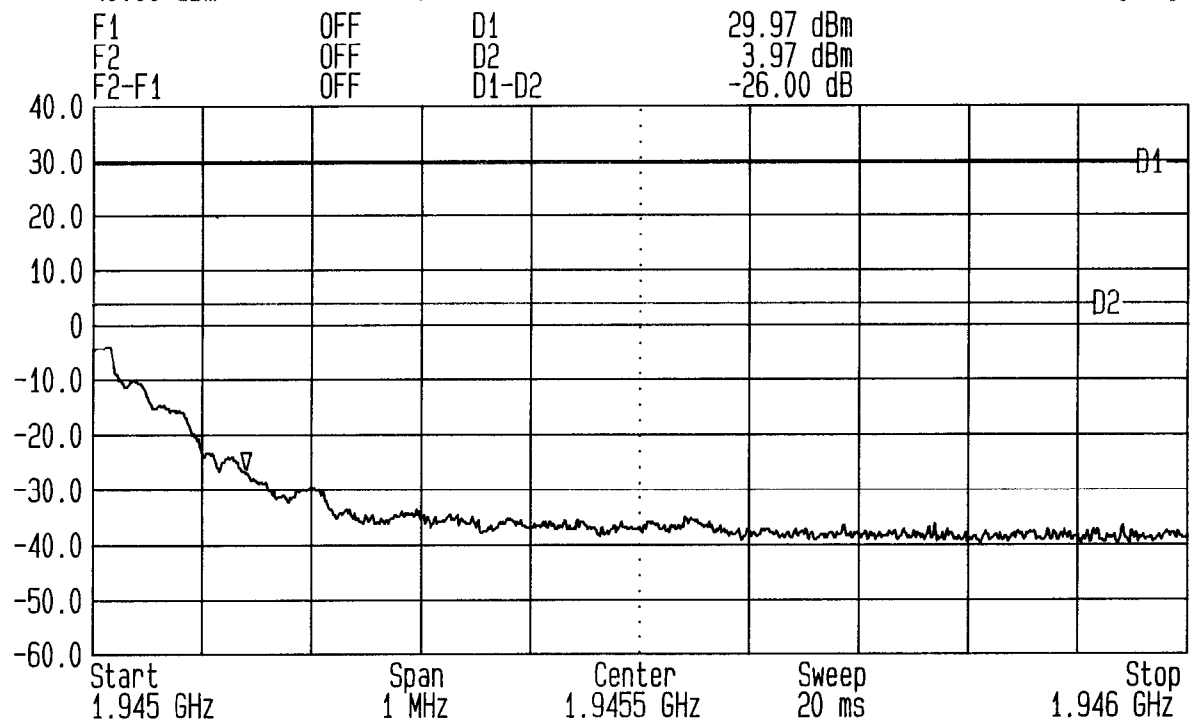
ENG: RH
 GPH/37902/01/01/037



LVLOFF
Date 08.Oct.'98 Time 13:52:11
Ref.Lvl 40.00 dBm
Marker -26.60 dBm
1.945141 GHz

Res.Bw 15.2 kHz [3dB]
TG.Lvl off
CF.Stp 100.000 kHz

Vid.Bw 10 kHz
RF.Att 10 dB
Unit [dBm]



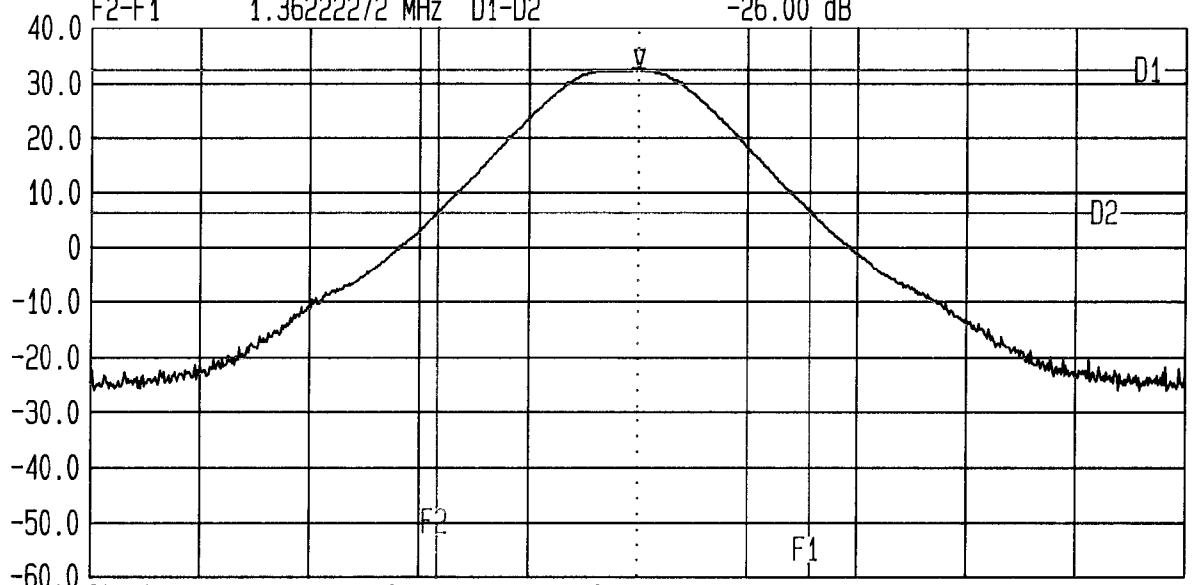
Antenna Port. Tested by RFI for Ericsson Microwave Systems Ltd.
FCC Part 24.238 (b). 1MHz Above Block A.
ENG: RH
GPH/37902/01/01/038



LVLOFF
 Date 08.Oct.'98 Time 13:56:20
 Ref.Lvl 40.00 dBm
 Marker 32.69 dBm
 1.945255 GHz

Res.Bw 300.0 kHz [3dB]
 TG.Lvl off
 CF.Stp 400.000 kHz
 Vid.Bw 1 MHz
 RF.Att 10 dB
 Unit [dBm]

F1 1.94588444442 GHz D1 32.69 dBm
 F2 1.94452222170 GHz D2 6.69 dBm
 F2-F1 1.36222272 MHz D1-D2 -26.00 dB



Start 1.943255555 GHz Span 4 MHz Center 1.945255555 GHz Sweep 20 ms Stop 1.947255555 GHz

Antenna Port. Tested by RFI for Ericsson Microwave Systems Ltd.
 FCC Part 24.238 (b). Block D. Tx Bandwidth 26dB Down.

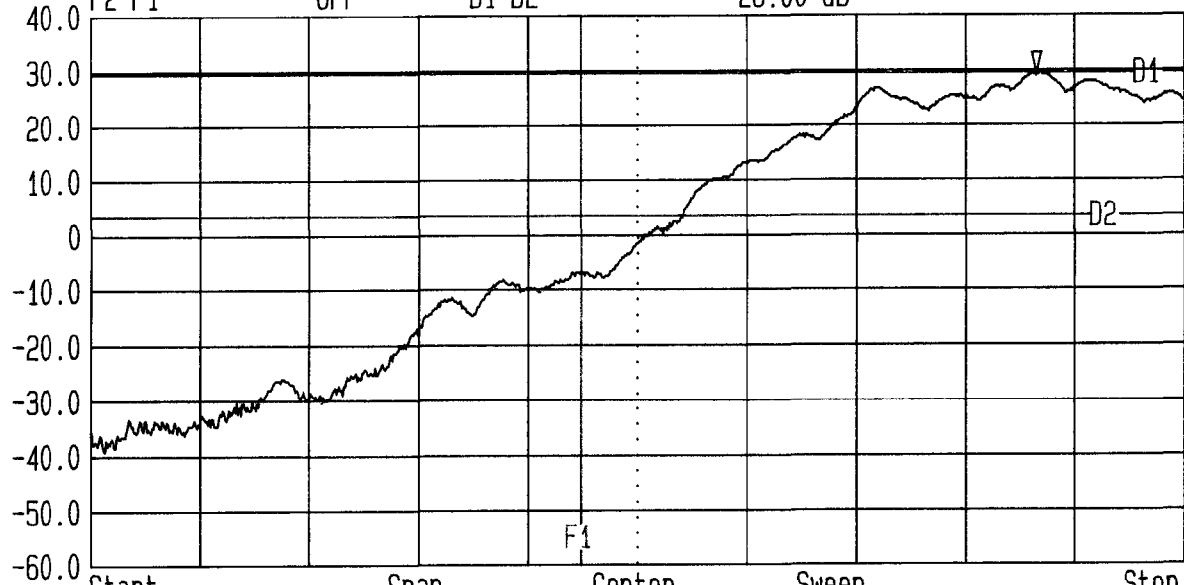
ENG: RH
 GPH/37902/01/01/058
 039



LVLOFF
 Date 08.Oct.'98 Time 14:00:35
 Ref.Lvl 40.00 dBm
 Marker 29.82 dBm
 1.9452085 GHz

Res.Bw 15.2 kHz [3dB]
 TG.Lvl off
 CF.Stp 50.000 kHz
 Vid.Bw 10 kHz
 RF.Att 10 dB
 Unit [dBm]

F1 1.9450000000 GHz D1 29.82 dBm
 F2 OFF D2 3.82 dBm
 F2-F1 OFF D1-D2 -26.00 dB



Start 1.94477578 GHz Span 500 kHz Center 1.94502578 GHz Sweep 20 ms Stop 1.94527578 GHz

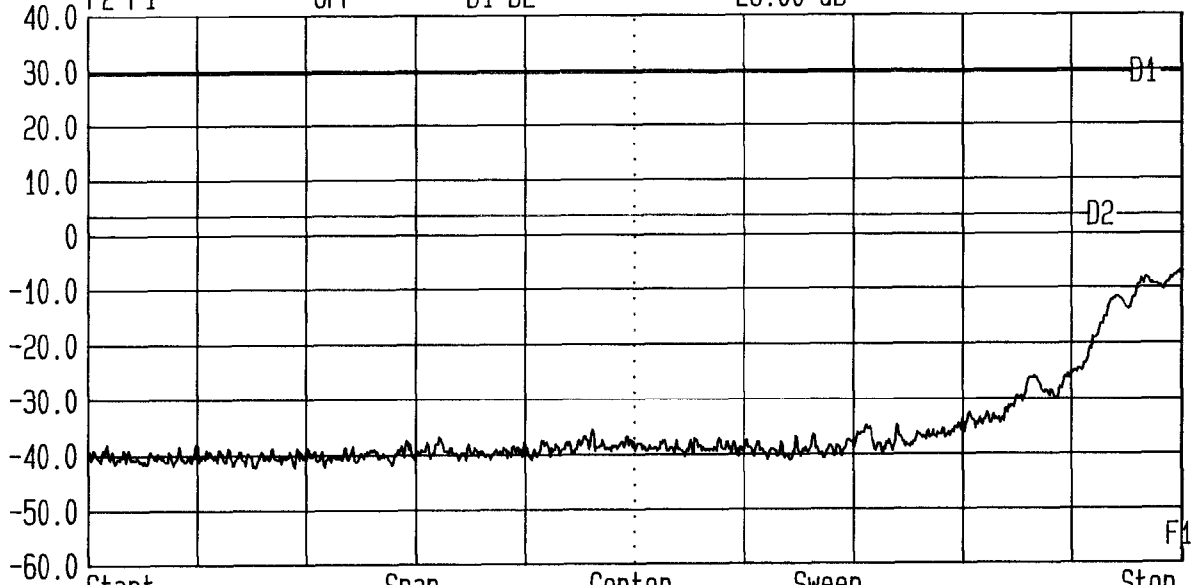
Antenna Port. Tested by RFI for Ericsson Microwave Systems Ltd. ENG: RH
 FCC Part 24.238(b). Block D. F1: Band Edge D. GPH/37902/01/01/040



LVLOFF
 Date 08.Oct.'98 Time 14:05:14
 Ref.Lvl
 40.00 dBm

Res.Bw 15.2 kHz [3dB] Vid.Bw 10 kHz
 TG.Lvl off
 CF.Stp 100.000 kHz RF.Att 10 dB
 Unit [dBm]

F1 1.94500000000 GHz D1 29.82 dBm
 F2 OFF D2 3.82 dBm
 F2-F1 OFF D1-D2 -26.00 dB



Start 1.944 GHz Span 1 MHz Center 1.9445 GHz Sweep 20 ms Stop 1.945 GHz

Antenna Port. Tested by RFI for Ericsson Microwave Systems Ltd.
 FCC Part 24.238(b). 1MHz Below Block D.

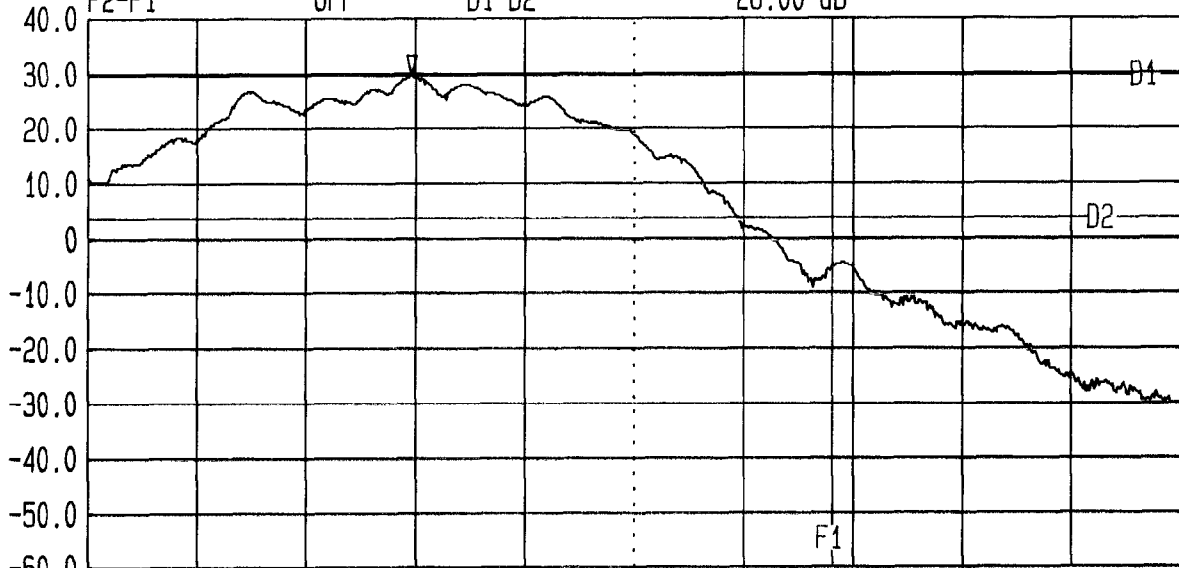
ENG: RH
 GPH/37902/01/01/041



LVLOFF
 Date: 08.Oct.'98 Time 14:08:36
 Ref.Lvl 40.00 dBm
 Marker 29.77 dBm
 1.9498083 GHz

Res.Bw 15.2 kHz [3dB]
 TG.Lvl off
 CF.Stp 50.000 kHz
 Vid.Bw 10 kHz
 AF.Att 10 dB
 Unit [dBm]

F1 1.95000000000 GHz D1 29.77 dBm
 F2 OFF D2 3.77 dBm
 F2-F1 OFF D1-D2 -26.00 dB



Start 1.94966 GHz Span 500 kHz Center 1.94991 GHz Sweep 20 ms Stop 1.95016 GHz

Antenna Port. Tested by RFI for Ericsson Microwave Systems Ltd.
 FCC Part 24.238 (b). Block A. F1: Band Edge D.

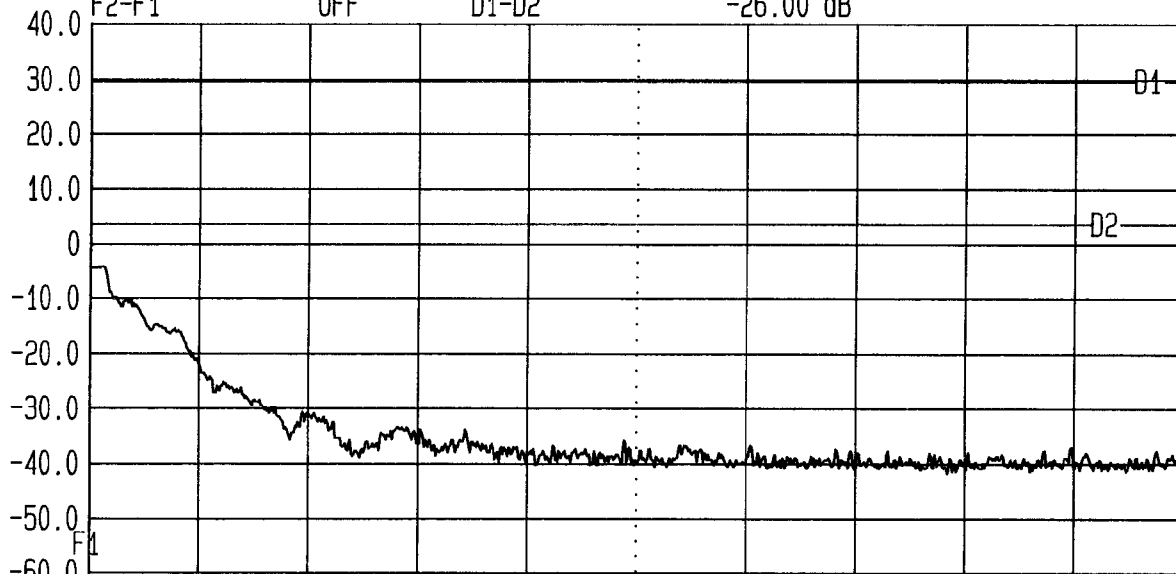
ENG: RH
 GPH/37902/01/01/042



LVLOFF
Date 08.Oct.'98 Time 14:12:06
Ref.Lvl
40.00 dBm

Res.Bw 15.2 kHz [3dB] Vid.Bw 10 kHz
TG.Lvl off
CF.Stp 100.000 kHz RF.Att 10 dB
Unit [dBm]

F1 1.95000000000 GHz D1 29.77 dBm
F2 OFF D2 3.77 dBm
F2-F1 OFF D1-D2 -26.00 dB



Start 1.95 GHz Span 1 MHz Center 1.9505 GHz Sweep 20 ms Stop 1.951 GHz

Antenna Port. Tested by RFI for Ericsson Microwave Systems Ltd.
FCC Part 24.238 (b) . 1MHz Above Block D.

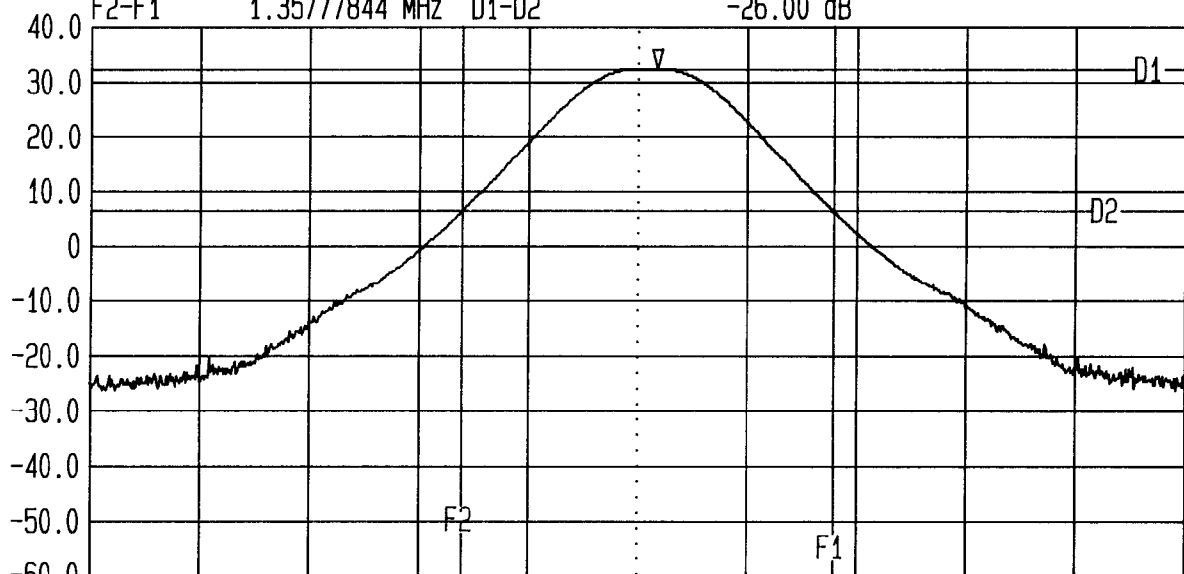
ENG: RH
GPH/37902/01/01/043



LVLOFF
Date 08.Oct.'98 Time 14:15:43
Ref.Lvl 40.00 dBm
Marker 32.54 dBm
1.950237 GHz

Res.Bw 300.0 kHz [3dB]
TG.Lvl off
CF.Stp 400.000 kHz
Vid.Bw 1 MHz
RF.Att 10 dB
Unit [dBm]

F1 1.95088444442 GHz D1 32.54 dBm
F2 1.94952666598 GHz D2 6.54 dBm
F2-F1 1.35777844 MHz D1-D2 -26.00 dB



Start 1.948166666 GHz Span 4 MHz Center 1.950166666 GHz Sweep 20 ms Stop 1.952166666 GHz

Antenna Port. Tested by RFI for Ericsson Microwave Systems Ltd.
FCC Part 24.238 (b). Block B. Tx Bandwidth 26dB Down.

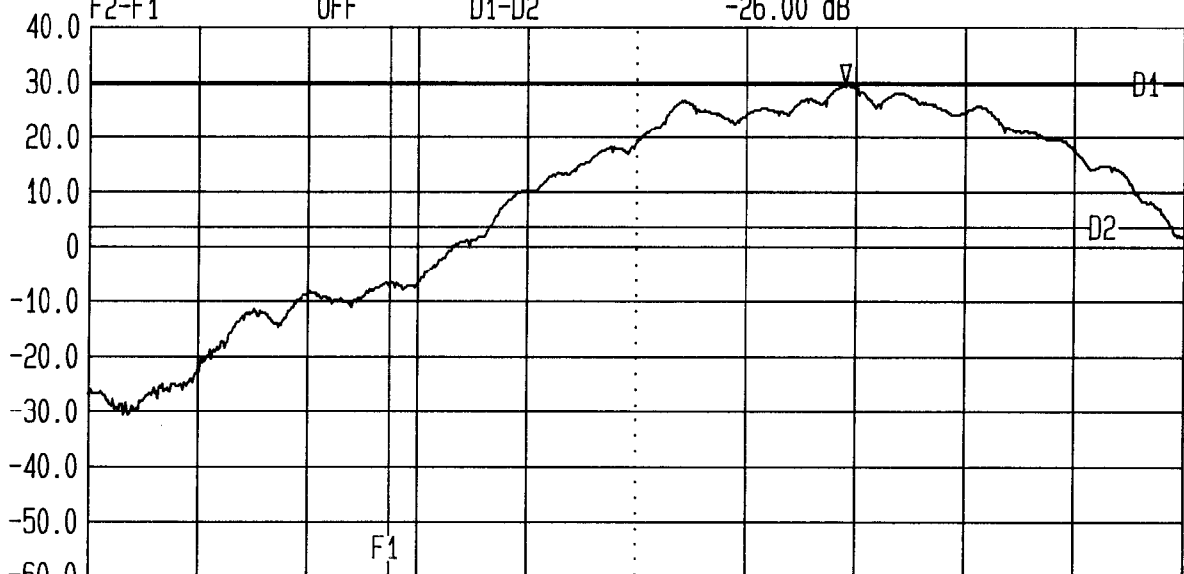
ENG: RH
GPH/37902/01/01/044



LVLOFF
 Date 08.Oct.'98 Time 14:24:12
 Ref.Lvl 40.00 dBm
 Marker 29.82 dBm
 1.9502077 GHz

Res.Bw 15.2 kHz [3dB]
 TG.Lvl off
 CF.Stp 50.000 kHz
 Vid.Bw 10 kHz
 RF.Att 10 dB
 Unit [dBm]

F1 1.95000000000 GHz D1 29.82 dBm
 F2 OFF D2 3.82 dBm
 F2-F1 OFF D1-D2 -26.00 dB



Start 1.949862777 GHz Span 500 kHz Center 1.950112777 GHz Sweep 20 ms Stop 1.950362777 GHz

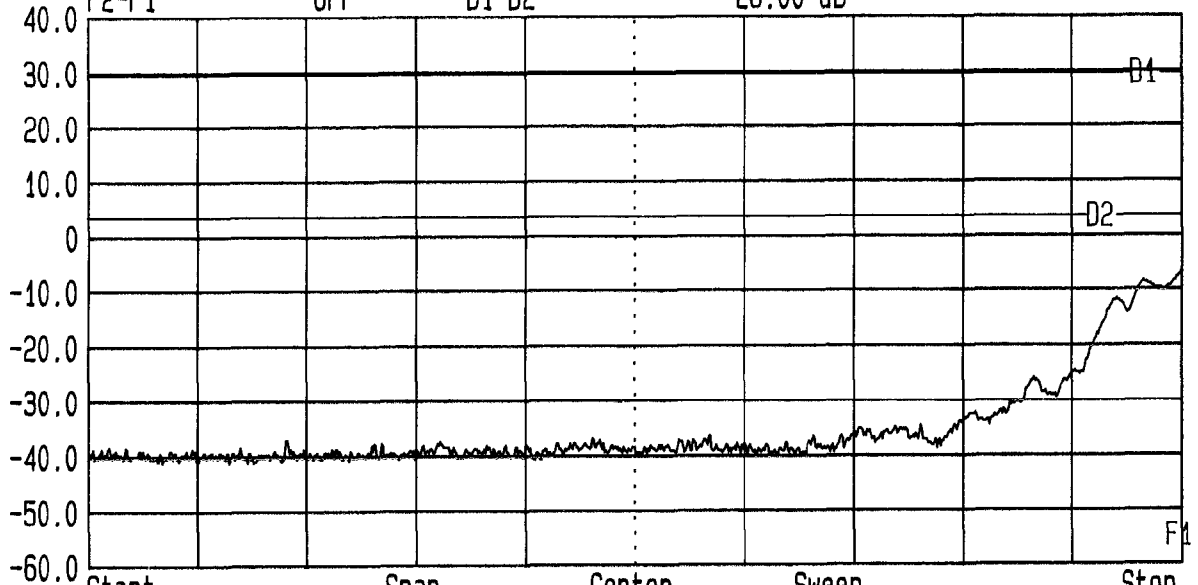
Antenna Port. Tested by RFI for Ericsson Microwave Systems Ltd. ENG: RH
 FCC Part 24.238(b). Block B. F1: Band Edge B. GPH/37902/01/01/045



LVLOFF
 Date 08.Oct.'98 Time 14:27:41
 Ref.Lvl
 40.00 dBm

Res.Bw 15.2 kHz [3dB] Vid.Bw 10 kHz
 TG.Lvl off
 CF.Stp 100.000 kHz RF.Att 10 dB
 Unit [dBm]

F1 1.95000000000 GHz D1 29.82 dBm
 F2 OFF D2 3.82 dBm
 F2-F1 OFF D1-D2 -26.00 dB



Start 1.949 GHz Span 1 MHz Center 1.9495 GHz Sweep 20 ms Stop 1.95 GHz

Antenna Port. Tested by RFI for Ericsson Microwave Systems Ltd.
 FCC Part 24.238 (b) . 1MHz Below Block B.

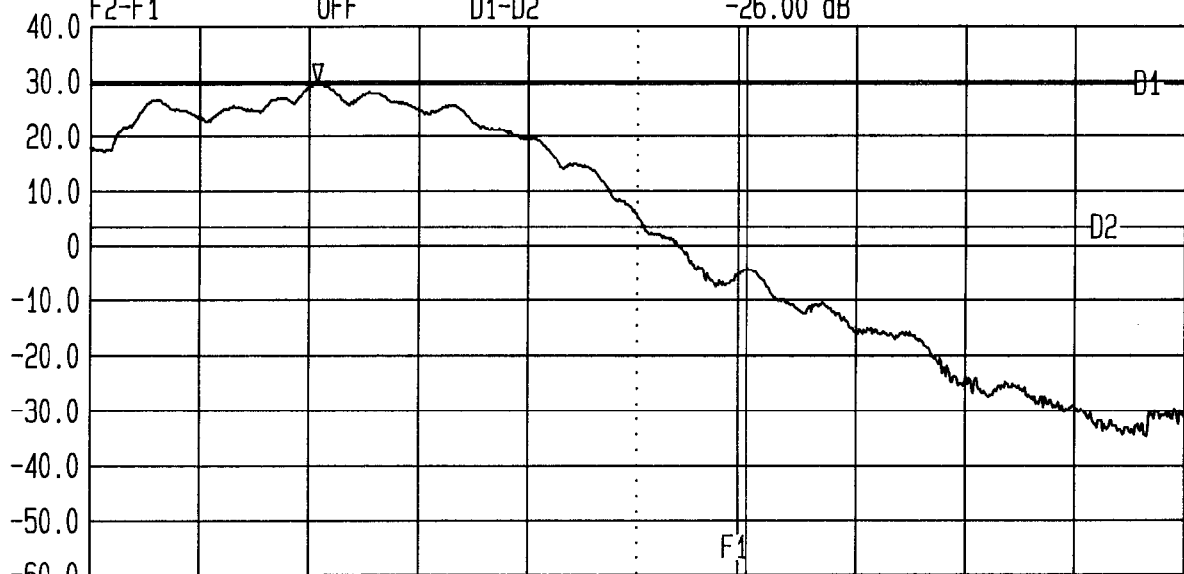
ENG: RH
 GPH/37902/01/01/046



LVLOFF
Date 08.Oct.'98 Time 14:31:02
Ref.Lvl 40.00 dBm
Marker 29.87 dBm
1.9648083 GHz

Res.Bw 15.2 kHz [3dB]
TG.Lvl off
CF.Stp 50.000 kHz
Vid.Bw 10 kHz
RF.Att 10 dB
Unit [dBm]

F1 1.96500000000 GHz D1 29.87 dBm
F2 OFF D2 3.87 dBm
F2-F1 OFF D1-D2 -26.00 dB



Start 1.964704444 GHz Span 500 kHz Center 1.964954444 GHz Sweep 20 ms Stop 1.965204444 GHz

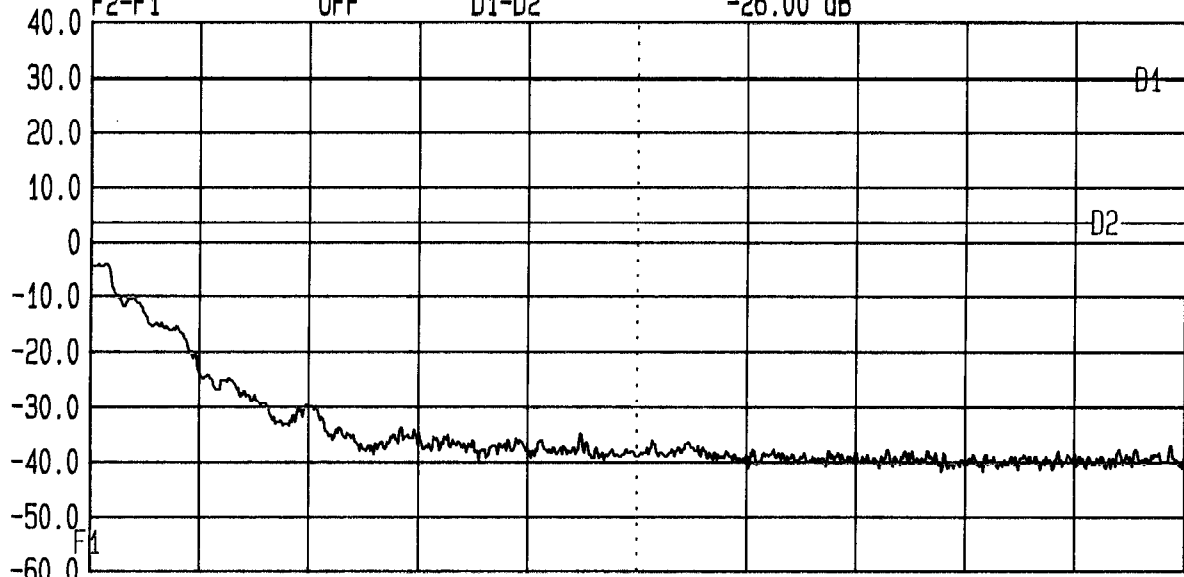
Antenna Port. Tested by RFI for Ericsson Microwave Systems Ltd. ENG: RH
FCC Part 24.238 (b). Block B. F1: Band Edge B. GPH/37902/01/01/047



LVLOFF
 Date 08.Oct.'98 Time 14:34:55
 Ref.Lvl
 40.00 dBm

Res.Bw 15.2 kHz [3dB] Vid.Bw 10 kHz
 TG.Lvl off
 CF.Stp 100.000 kHz RF.Att 10 dB
 Unit [dBm]

F1 1.96500000000 GHz D1 29.87 dBm
 F2 OFF D2 3.87 dBm
 F2-F1 OFF D1-D2 -26.00 dB



Start 1.965 GHz Span 1 MHz Center 1.9655 GHz Sweep 20 ms Stop 1.966 GHz

Antenna Port. Tested by RFI for Ericsson Microwave Systems Ltd.
 FCC Part 24.238(b). Block B. 1MHz Above Block B.

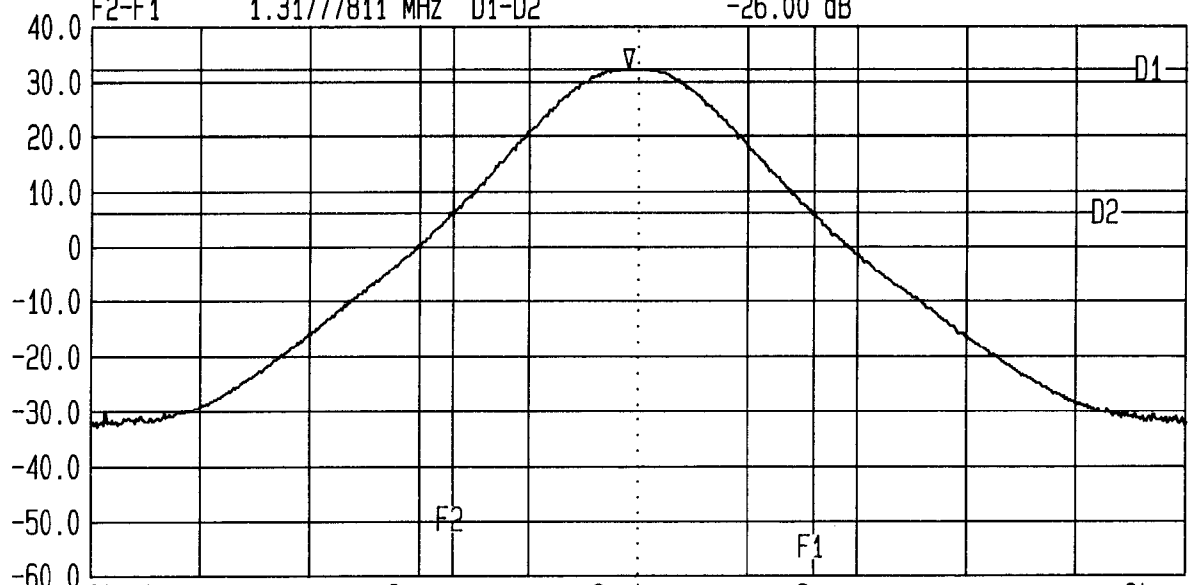
ENG: RH
 GPH/37902/01/01/048



LVLOFF
 Date 08.Oct.'98 Time 14:38:29
 Ref.Lvl 40.00 dBm
 Marker 32.41 dBm
 1.965193 GHz

Res.Bw 300.0 kHz [3dB]
 TG.Lvl off
 CF.Stp 400.000 kHz
 Vid.Bw 10 kHz
 RF.Att 10 dB
 Unit [dBm]

F1 1.96587555554 GHz D1 32.41 dBm
 F2 1.96455777743 GHz D2 6.41 dBm
 F2-F1 1.31777811 MHz D1-D2 -26.00 dB



Start 1.963233333 GHz Span 4 MHz Center 1.965233333 GHz Sweep 20 ms Stop 1.967233333 GHz

Antenna Port. Tested by RFI for Ericsson Microwave Systems Ltd.
 FCC Part 24.238 (b). Block E. Tx Bandwidth 26dB Down.

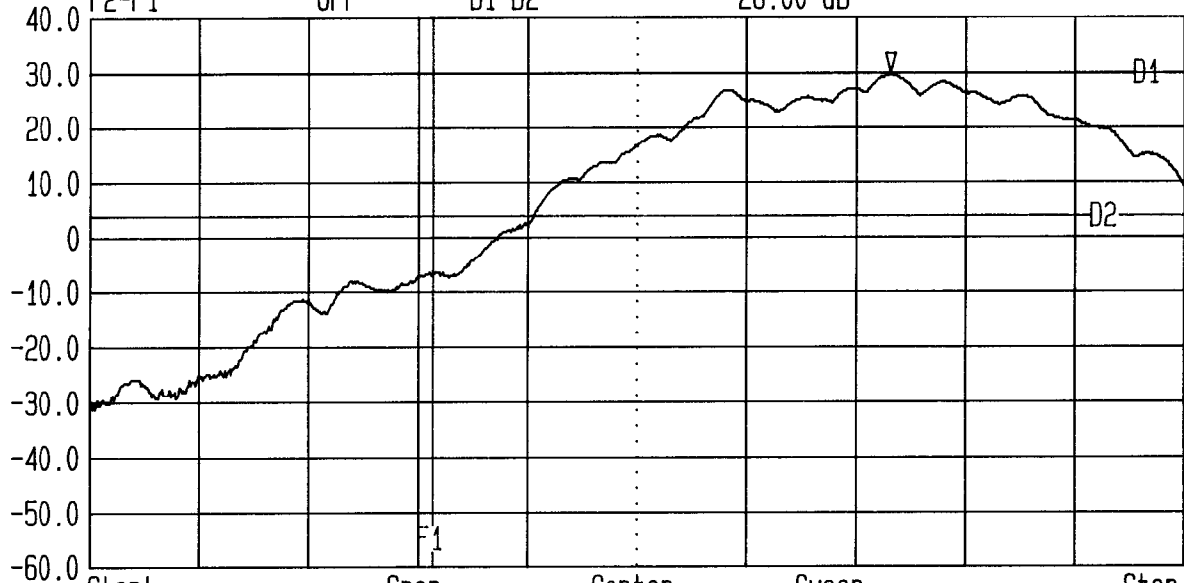
ENG: RH
 GPH/37902/01/01/049



LVLOFF
 Date 08.Oct.'98 Time 14:42:04
 Ref.Lvl 40.00 dBm
 Marker 30.05 dBm
 1.9652094 GHz

Res.Bw 15.2 kHz [3dB]
 TG.Lvl off
 CF.Stp 50.000 kHz
 Vid.Bw 10 kHz
 RF.Att 10 dB
 Unit [dBm]

F1 1.9650000000 GHz D1 30.05 dBm
 F2 OFF D2 4.05 dBm
 F2-F1 OFF D1-D2 -26.00 dB



Start 1.964843332 GHz Span 500 kHz Center 1.965093332 GHz Sweep 20 ms Stop 1.965343332 GHz

9ntenna Port. Tested by RFI for Ericsson Microwave Systems Ltd.
 FCC Part 24.238 (b). Block E. F1: Band Edge E.

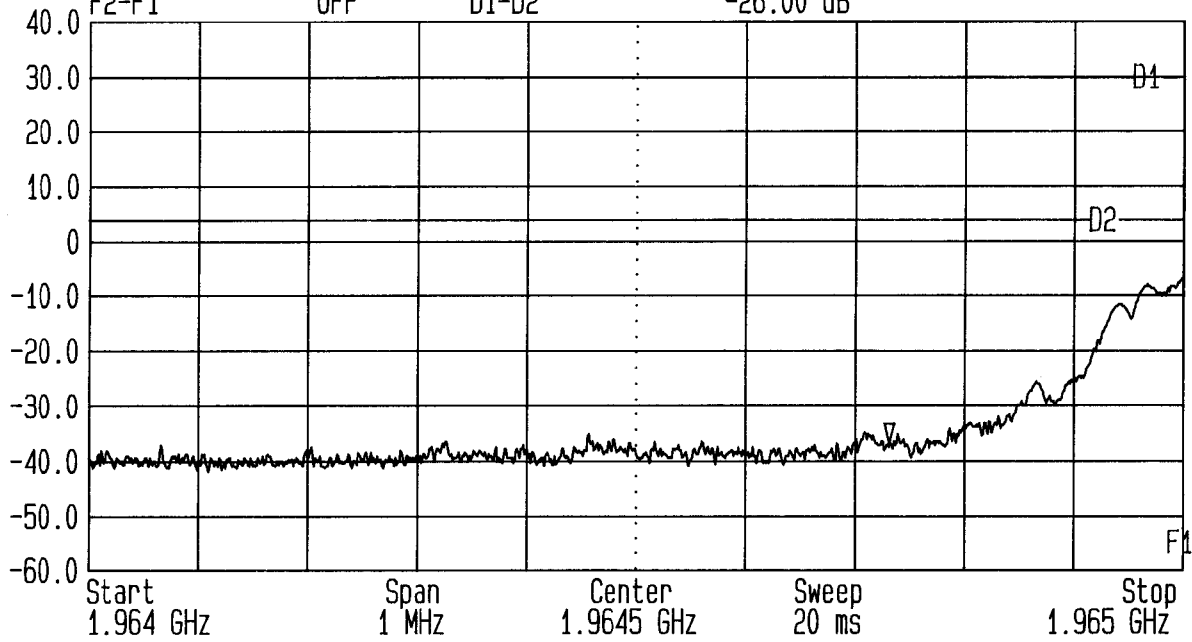
ENG: RH
 GPH/37902/01/01/050



LVLOFF
Date 08.Oct.'98 Time 14:50:02
Ref.Lvl 40.00 dBm
Marker -36.68 dBm
1.964732 GHz

Res.Bw 15.2 kHz [3dB]
TG.Lvl off
CF.Stp 100.000 kHz
Vid.Bw 10 kHz
RF.Att 10 dB
Unit [dBm]

F1 1.96500000000 GHz D1 30.05 dBm
F2 OFF D2 4.05 dBm
F2-F1 OFF D1-D2 -26.00 dB



Antenna Port. Tested by RFI for Ericsson Microwave Systems Ltd.
FCC Part 24.238 (b). 1MHz Below Block E.

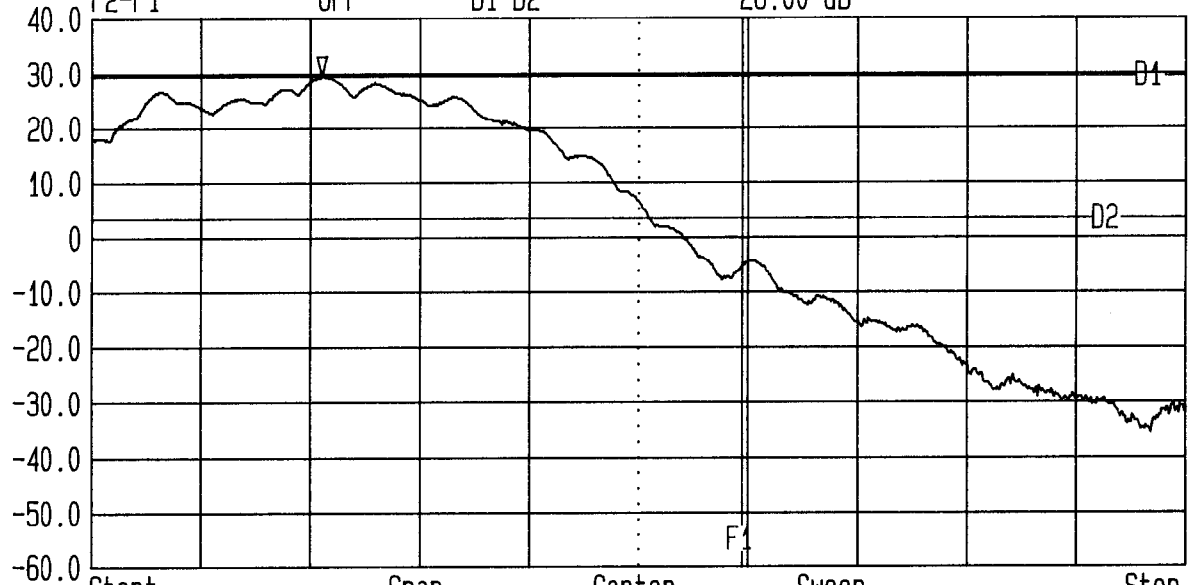
ENG: RH
GPH/37902/01/01/051



LVLOFF
 Date 08.Oct.'98 Time 14:53:29
 Ref.Lvl 40.00 dBm
 Marker 29.77 dBm
 1.9698077 GHz

Res.Bw 15.2 kHz [3dB]
 TG.Lvl off
 CF.Stp 50.000 kHz
 Vid.Bw 10 kHz
 RF.Att 10 dB
 Unit [dBm]

F1 1.97000000000 GHz D1 29.77 dBm
 F2 OFF D2 3.77 dBm
 F2-F1 OFF D1-D2 -26.00 dB



Start 1.969702777 GHz Span 500 kHz Center 1.969952777 GHz Sweep 20 ms Stop 1.970202777 GHz

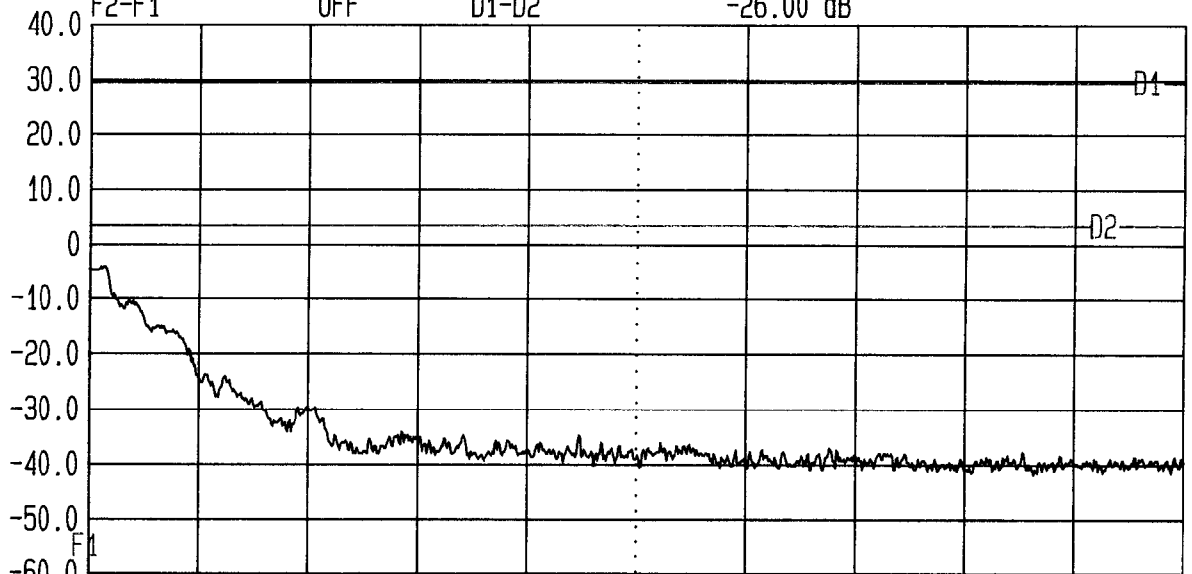
Antenna Port. Tested by RFI for Ericsson Microwave Systems Ltd. ENG: RH
 FCC Part 24.238 (b). Block E. F1: Band Edge E. GPH/37902/01/01/052



LVLOFF
Date 08.Oct.'98 Time 15:20:57
Ref.Lvl
40.00 dBm

Res.Bw 15.2 kHz [3dB] Vid.Bw 10 kHz
TG.Lvl off
CF.Stp 100.000 kHz RF.Att Unit 10 dB [dBm]

F1 1.97000000000 GHz D1 29.77 dBm
F2 OFF D2 3.77 dBm
F2-F1 OFF D1-D2 -26.00 dB

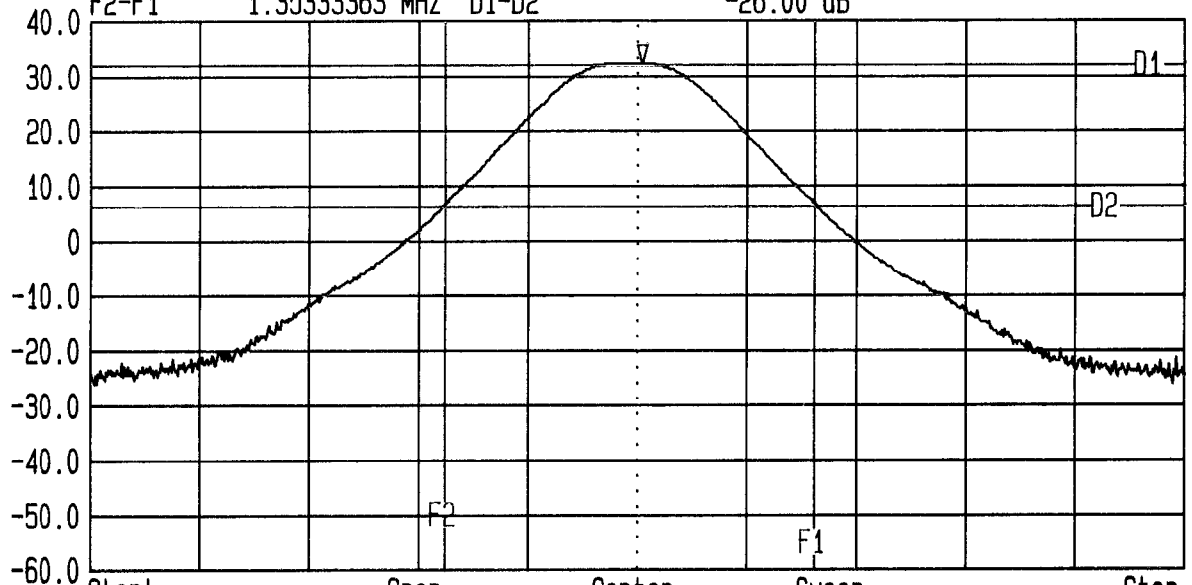


Start 1.97 GHz Span 1 MHz Center 1.9705 GHz Sweep 20 ms Stop 1.971 GHz

Antenna Port. Tested by RFI for Ericsson Microwave Systems Ltd. ENG: RH
FCC Part 24.238 (h). 1MHz Above Block E. GPH/37902/01/01/053



LVLOFF
 Date 08.Oct.'98 Time 15:02:25 Res.Bw 300.0 kHz [3dB] Vid.Bw 1 MHz
 Ref.Lvl 40.00 dBm Marker 32.51 dBm TG.Lvl off
 CF.Stp 400.000 kHz RF.Att 10 dB
 Unit [dBm]
 F1 1.97087999998 GHz D1 32.51 dBm
 F2 1.96952666635 GHz D2 6.51 dBm
 F2-F1 1.35333363 MHz D1-D2 -26.00 dB



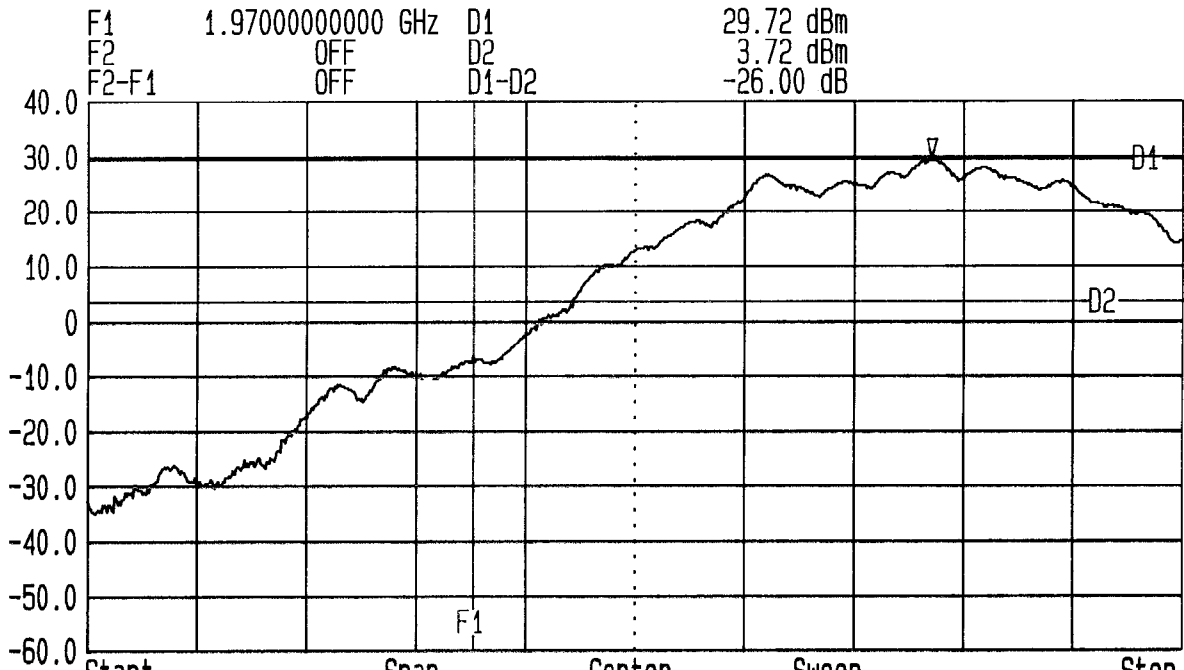
Start 1.968233333 GHz Span 4 MHz Center 1.970233333 GHz Sweep 20 ms Stop 1.972233333 GHz

Antenna Port. Tested by RFI for Ericsson Microwave Systems Ltd. ENG: RH
 FCC Part 24.238 (b). Block F. Tx Bandwidth 26dB Down. GPH/37902/01/01/054



LVLOFF
Date 08.Oct.'98 Time 15:06:08
Ref.Lvl 40.00 dBm
Marker 29.72 dBm
1.9702099 GHz

Res.Bw 15.2 kHz [3dB]
TG.Lvl off
CF.Stp 50.000 kHz
Vid.Bw 10 kHz
RF.Att 10 dB
Unit [dBm]



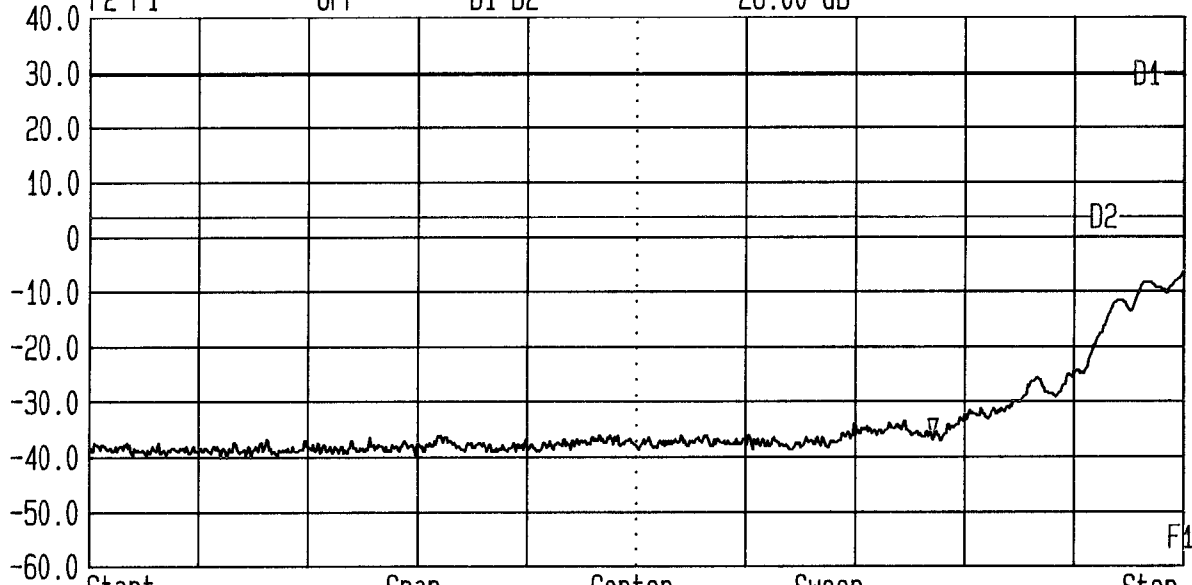
Start	Span	Center	Sweep	Stop
1.969824444 GHz	500 kHz	1.970074444 GHz	20 ms	1.970324444 GHz

Antenna Port. Tested by RFI for Ericsson Microwave Systems Ltd.
FCC Part 24.238 (b). Block F. F1: Band Edge F.

ENG: RH
GPH/37902/01/01/055



LVLOFF
 Date 08.Oct.'98 Time 15:09:52
 Ref.Lvl 40.00 dBm Marker -36.68 dBm
 1.969771 GHz
 Res.Bw 15.2 kHz [3dB]
 TG.Lvl off
 CF.Stp 100.000 kHz
 Vid.Bw 10 kHz
 RF.Att 10 dB
 Unit [dBm]
 F1 1.97000000000 GHz D1 29.72 dBm
 F2 OFF D2 3.72 dBm
 F2-F1 OFF D1-D2 -26.00 dB



Start 1.969 GHz Span 1 MHz Center 1.9695 GHz Sweep 20 ms Stop 1.97 GHz

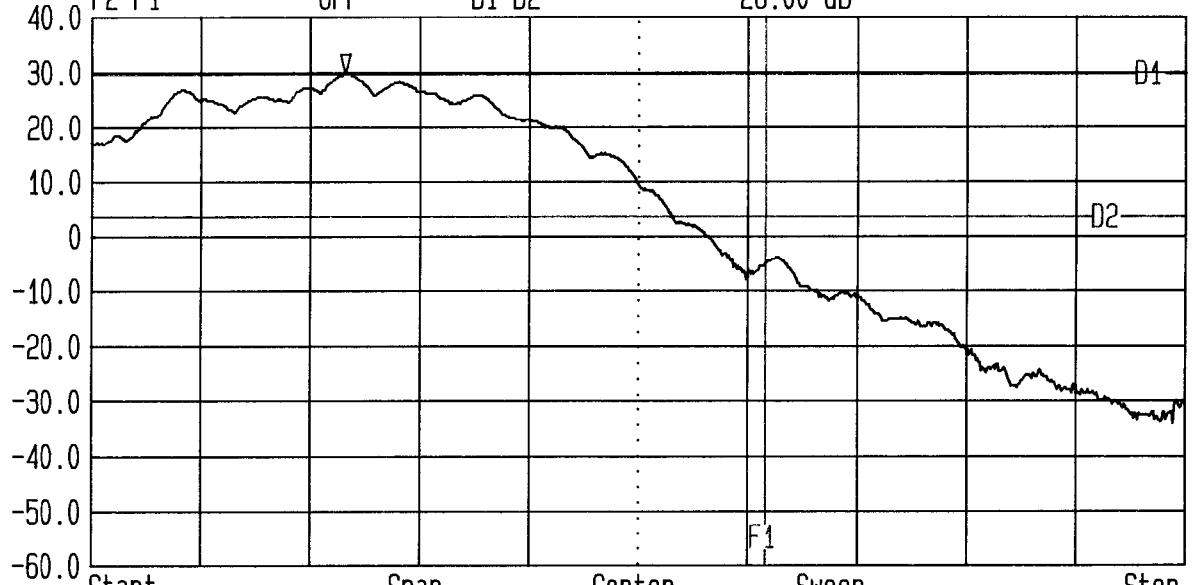
Antenna Port. Tested by RFI for Ericsson Microwave Systems Ltd. ENG: RH
 FCC Part 24.238 (b). 1MHz Below Block F. GPH/37902/01/01/056



LVLOFF
Date 08.Oct.'98 Time 15:14:31
Ref.Lvl 40.00 dBm Marker 29.82 dBm
1.9748083 GHz

Res.Bw 15.2 kHz [3dB] Vid.Bw 10 kHz
TG.Lvl off
CF.Stp 50.000 kHz RF.Att 10 dB
Unit [dBm]

F1 1.9750000000 GHz D1 29.82 dBm
F2 OFF D2 3.82 dBm
F2-F1 OFF D1-D2 -26.00 dB



Start 1.974692222 GHz Span 500 kHz Center 1.974942222 GHz Sweep 20 ms Stop 1.975192222 GHz

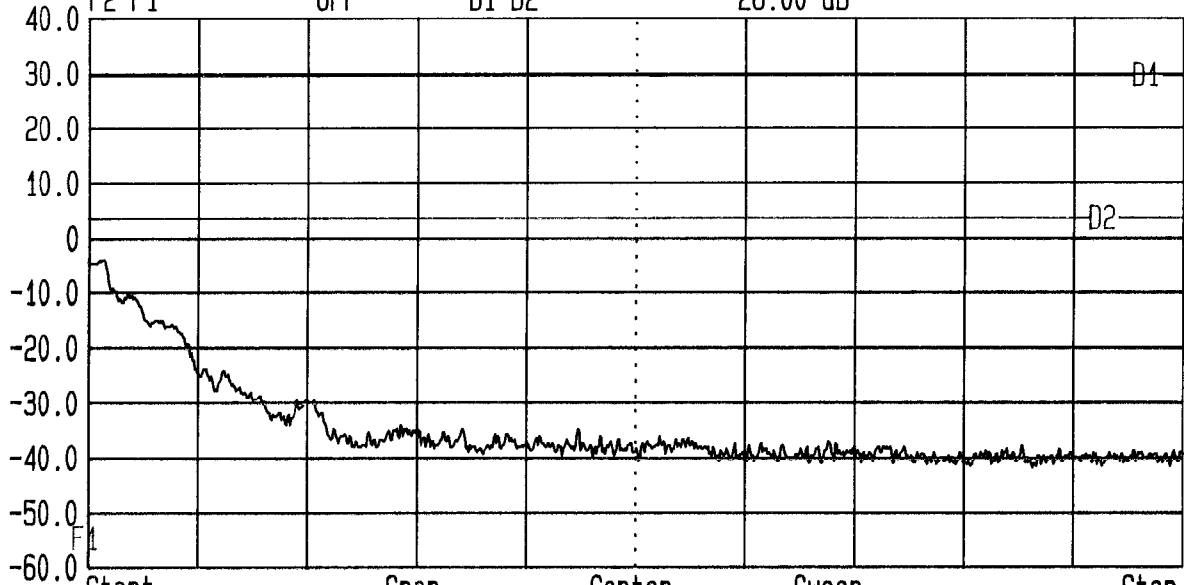
Antenna Port. Tested by RFI for Ericsson Microwave Systems Ltd. ENG: RH
FCC Part 24.238 (b). Block F. F1: Band Edge F. GPH/37902/01/01/057



LVLOFF
Date 08.Oct.'98 Time 15:17:00
Ref.Lvl
40.00 dBm

Res.Bw 15.2 kHz [3dB] Vid.Bw 10 kHz
TG.Lvl off
CF.Stp 100.000 kHz RF.Att 10 dB
Unit [dBm]

F1 1.9750000000 GHz D1 29.82 dBm
F2 OFF D2 3.82 dBm
F2-F1 OFF D1-D2 -26.00 dB



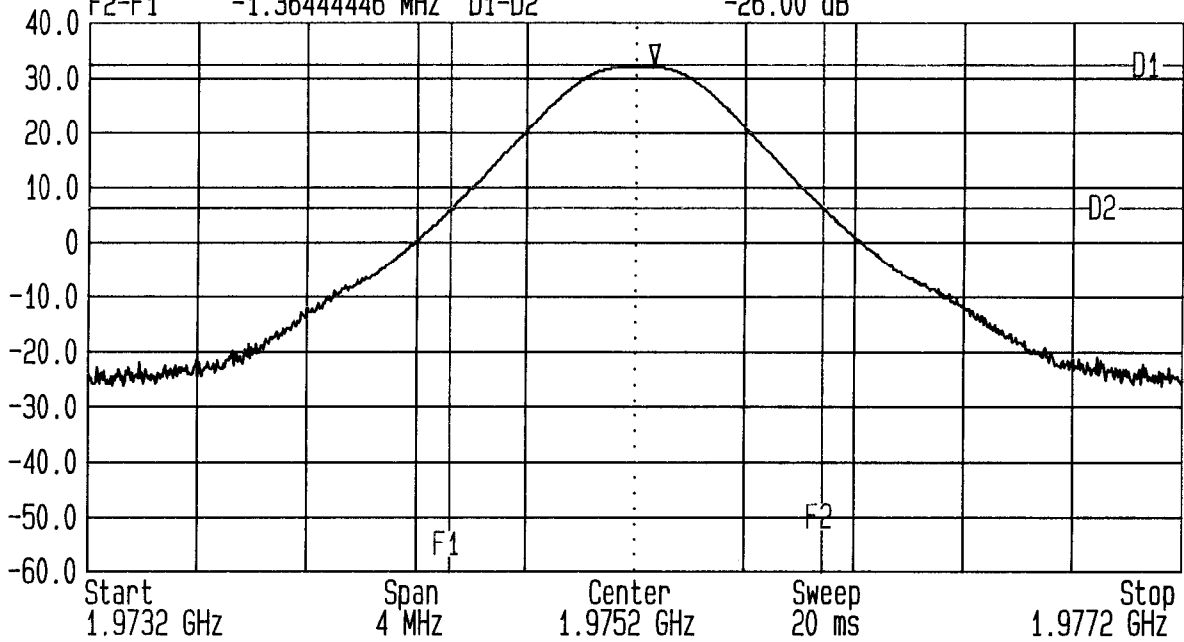
Start 1.975 GHz Span 1 MHz Center 1.9755 GHz Sweep 20 ms Stop 1.976 GHz

Antenna Port. Tested by RFI for Ericsson Microwave Systems Ltd.
FCC Part 24.238 (b). 1MHz Above Block F.

ENG: RH
GPH/37902/01/01/058



LVLOFF
Date 08.Oct.'98 Time 15:24:50
Ref.Lvl 40.00 dBm Marker 32.59 dBm
1.975266 GHz
Res.Bw 300.0 kHz [3dB] Vid.Bw 1 MHz
TG.Lvl off
CF.Stp 400.000 kHz RF.Att 10 dB
Unit [dBm]
F1 1.97452444442 GHz D1 32.59 dBm
F2 1.97588888888 GHz D2 6.59 dBm
F2-F1 -1.36444446 MHz D1-D2 -26.00 dB



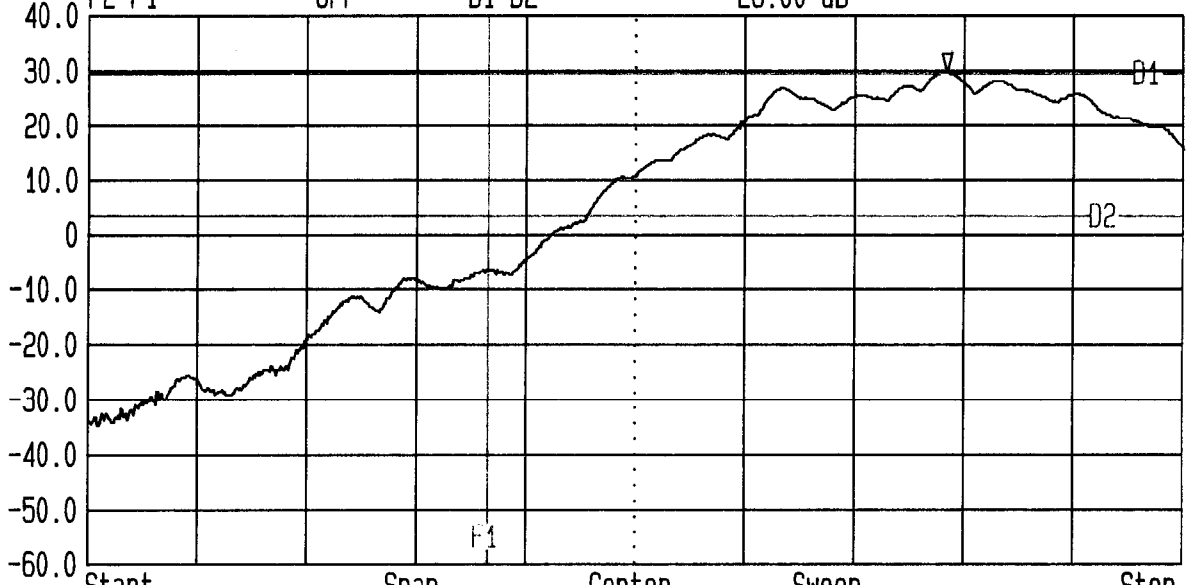
Start 1.9732 GHz Span 4 MHz Center 1.9752 GHz Sweep 20 ms Stop 1.9772 GHz
Antenna Port. Tested by RFI for Ericsson Microwave Systems Ltd. ENG: RH
FCC Part 24.238(b). Block C. Tx Bandwidth 26dB Down. GPH/37902/01/01/059



LVLOFF
 Date 08.Oct.'98 Time 15:28:33
 Ref.Lvl 40.00 dBm Marker 29.82 dBm
 1.9752099 GHz

Res.Bw 15.2 kHz [3dB] Vid.Bw 10 kHz
 TG.Lvl off
 CF.Stp 50.000 kHz RF.Att 10 dB
 Unit [dBm]

F1 1.9750000000 GHz D1 29.82 dBm
 F2 OFF D2 3.82 dBm
 F2-F1 OFF D1-D2 -26.00 dB



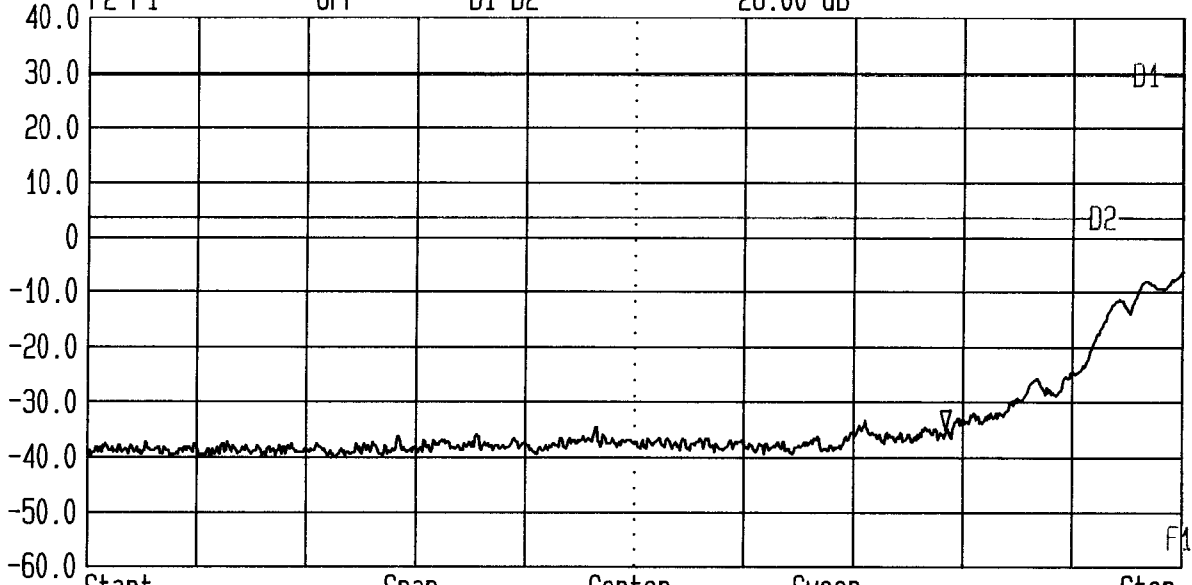
Start 1.974817777 GHz Span 500 kHz Center 1.975067777 GHz Sweep 20 ms Stop 1.975317777 GHz

Antenna Port. Tested by RFI for Ericsson Microwave Systems Ltd.
 FCC Part 24.238(b). Block C. F1: Band Edge C.

ENG: RH
 GPH/37902/01/01/060



LVLOFF
Date 08.Oct.'98 Time 15:32:09 Res.Bw 15.2 kHz [3dB] Vid.Bw 10 kHz
Ref.Lvl 40.00 dBm Marker -34.86 dBm TG.Lvl off
CF.Stp 1.974784 GHz RF.Att 10 dB [dBm]
F1 1.9750000000 GHz D1 29.82 dBm
F2 OFF D2 3.82 dBm
F2-F1 OFF D1-D2 -26.00 dB

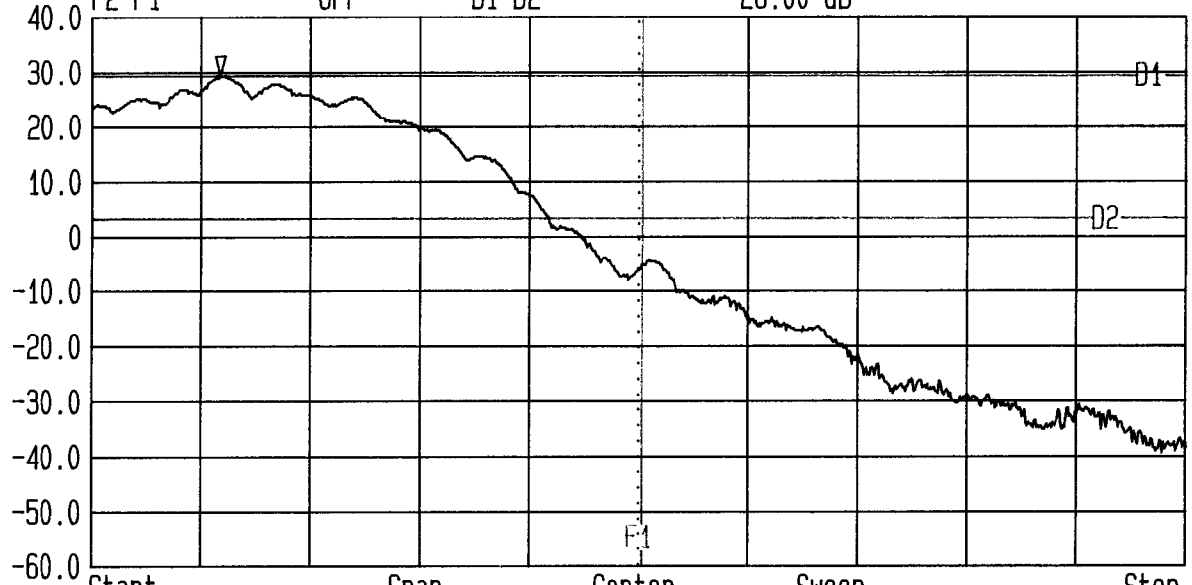


Start 1.974 GHz Span 1 MHz Center 1.9745 GHz Sweep 20 ms Stop 1.975 GHz

Antenna Port. Tested by RFI for Ericsson Microwave Systems Ltd. ENG: RH
FCC Part 24.238 (b). 1MHz Below Block C. GPH/37902/01/01/051



LVLOFF
 Date 08.Oct.'98 Time 15:35:29
 Ref.Lvl 40.00 dBm Marker 29.42 dBm
 1.9898077 GHz
 Res.Bw 15.2 kHz [3dB] Vid.Bw 10 kHz
 TG.Lvl off RF.Att 10 dB
 CF.Stp 50.000 kHz Unit [dBm]
 F1 1.99000000000 GHz D1 29.42 dBm
 F2 OFF D2 3.42 dBm
 F2-F1 OFF D1-D2 -26.00 dB



Start 1.989748888 GHz Span 500 kHz Center 1.989998888 GHz Sweep 20 ms Stop 1.990248888 GHz

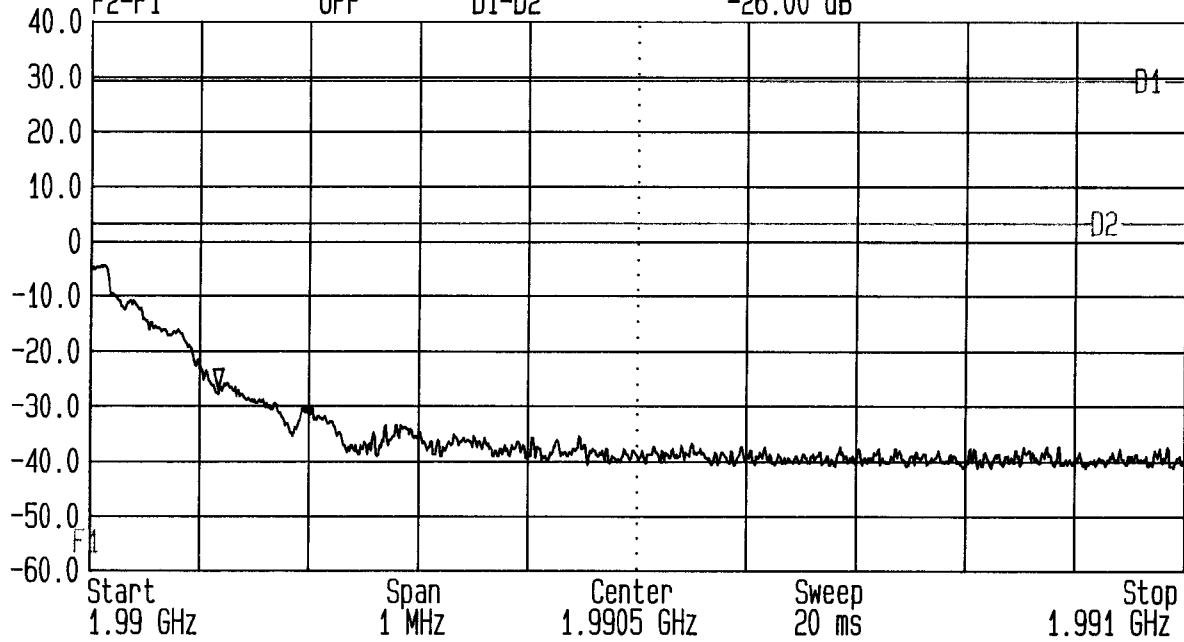
Antenna Port. Tested by RFI for Ericsson Microwave Systems Ltd. ENG: RH
 FCC Part 24.238(b). Block C. F1: band Edge C. GPH/37902/01/01/062



LVLOFF
Date 08.Oct.'98 Time 15:39:40
Ref.Lvl 40.00 dBm
Marker -26.63 dBm
1.990117 GHz

Res.Bw 15.2 kHz [3dB]
TG.Lvl off
CF.Stp 100.000 kHz
Vid.Bw 10 kHz
RF.Att 10 dB
Unit [dBm]

F1 1.99000000000 GHz D1 29.42 dBm
F2 OFF D2 3.42 dBm
F2-F1 OFF D1-D2 -26.00 dB

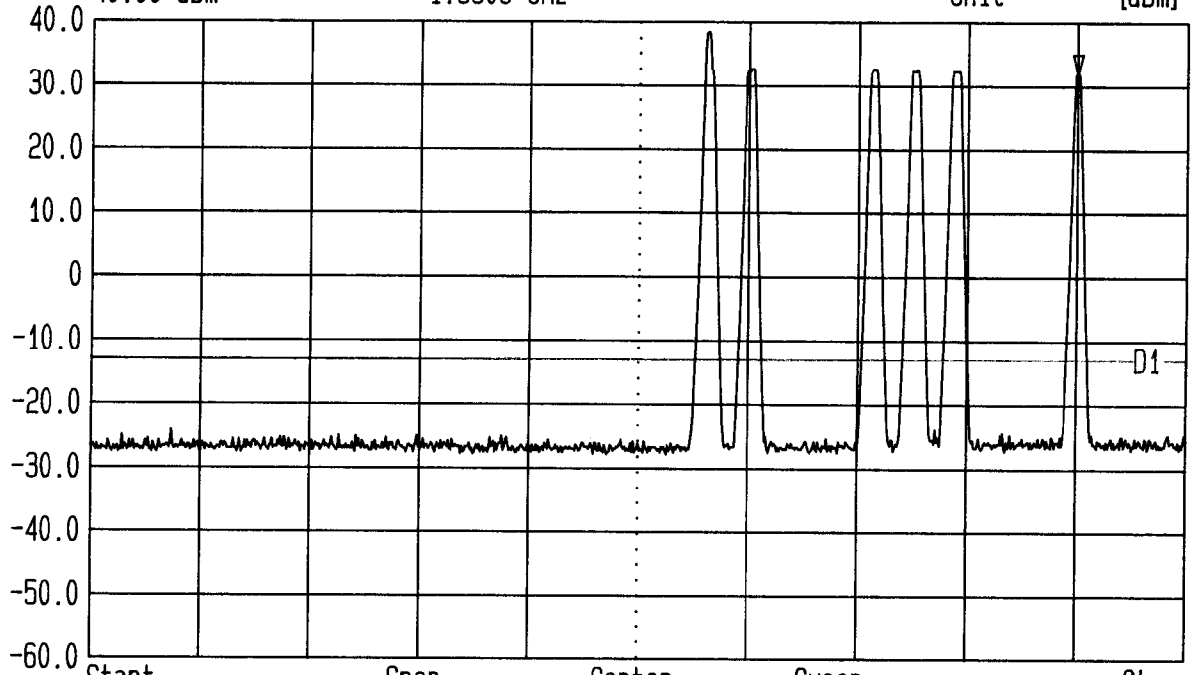


Start 1.99 GHz Span 1 MHz Center 1.9905 GHz Sweep 20 ms Stop 1.991 GHz

Antenna Port. Tested by RFI for Ericsson Microwave Systems Ltd.
FCC Part 24.238 (b) . 1MHz Above Band C.

ENG: RH
GPH/37902/01/01/063

LVLOFF
 Date 08.Oct.'98 Time 15:52:58 Res.Bw 300.0 kHz [3dB] Vid.Bw 100 kHz
 Ref.Lvl 40.00 dBm Marker 31.98 dBm TG.Lvl off CF.Stp 13.400 MHz RF.Att 10 dB [dBm]

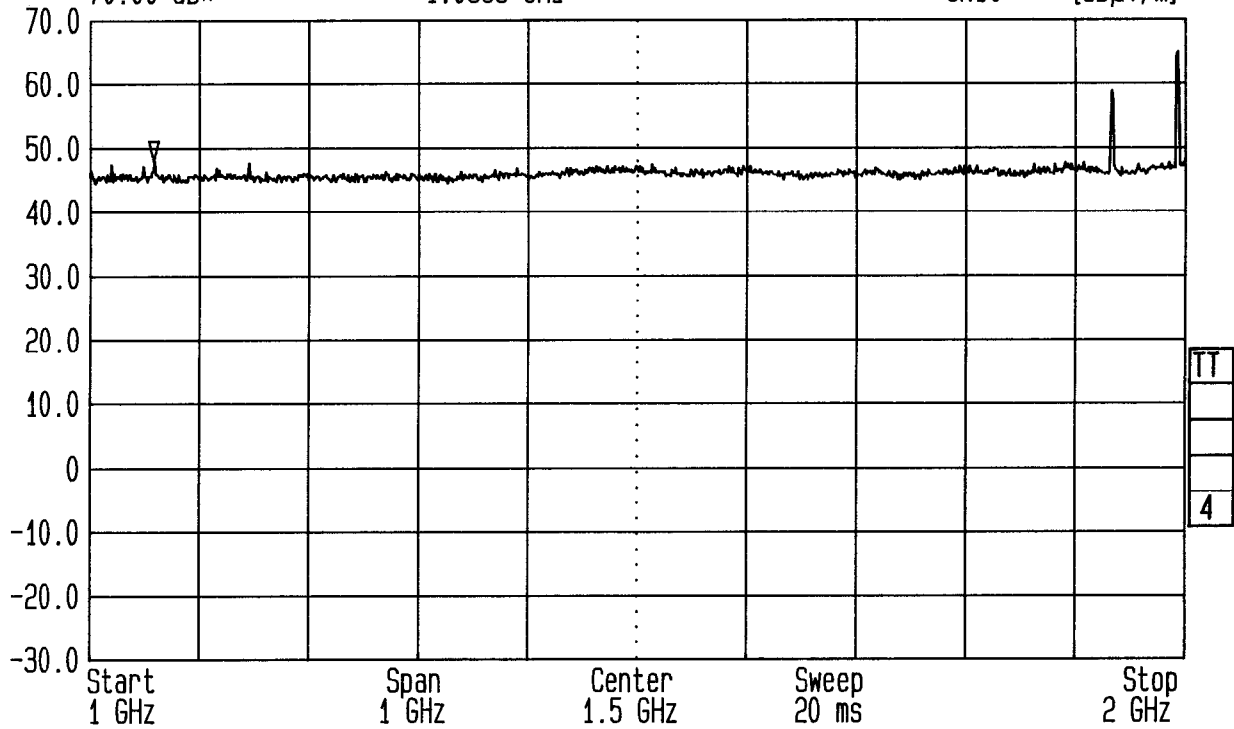


Start 1.87 GHz Span 134 MHz Center 1.937 GHz Sweep 20 ms Stop 2.004 GHz
 Antenna Port. Tested by RFI for Ericsson Microwave Systems Ltd. ENG: RH
 FCC Part 24.238(a). D1: Emission Limit. GPH/37902/01/01/054



Date 08.Oct.'98 Time 10:35:24
 Ref.Lvl 70.00 dB*
 Marker 48.12 dB*
 1.0588 GHz

Res.Bw 1 MHz [imp]
 TG.Lvl off
 CF.Stp 100.000 MHz
 Vid.Bw 1 MHz
 RF.Att 0 dB
 Unit [dBμV/m]



Radiated. Tested by RFI for Ericsson Microwave Systems Ltd.
 Tx Mode with Bottom and Top Channel at Full Power.

FCC Part 24
 GPH/37902/01/01/065



Date 08.Oct.'98 Time 16:43:04

Ref.Lvl 70.00 dB* Marker 47.81 dB*

CF.Stp 2.2911 GHz

Res.Bw 1 MHz [imp]

TG.Lvl off

CF.Stp 200.000 MHz

1 MHz [imp]

off

200.000 MHz

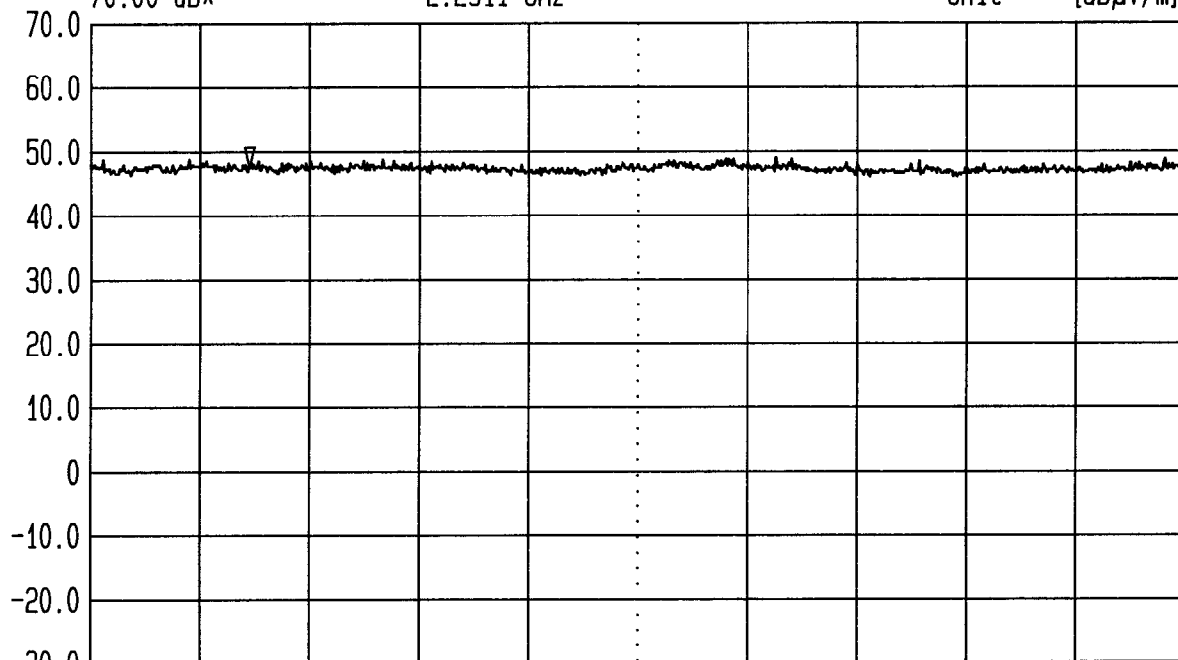
Vid.Bw 1 MHz

1 MHz

RF.Att Unit

0 dB

[dBμV/m]



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Start	Span	Center	Sweep	Stop
2 GHz	2 GHz	3 GHz	20 ms	4 GHz

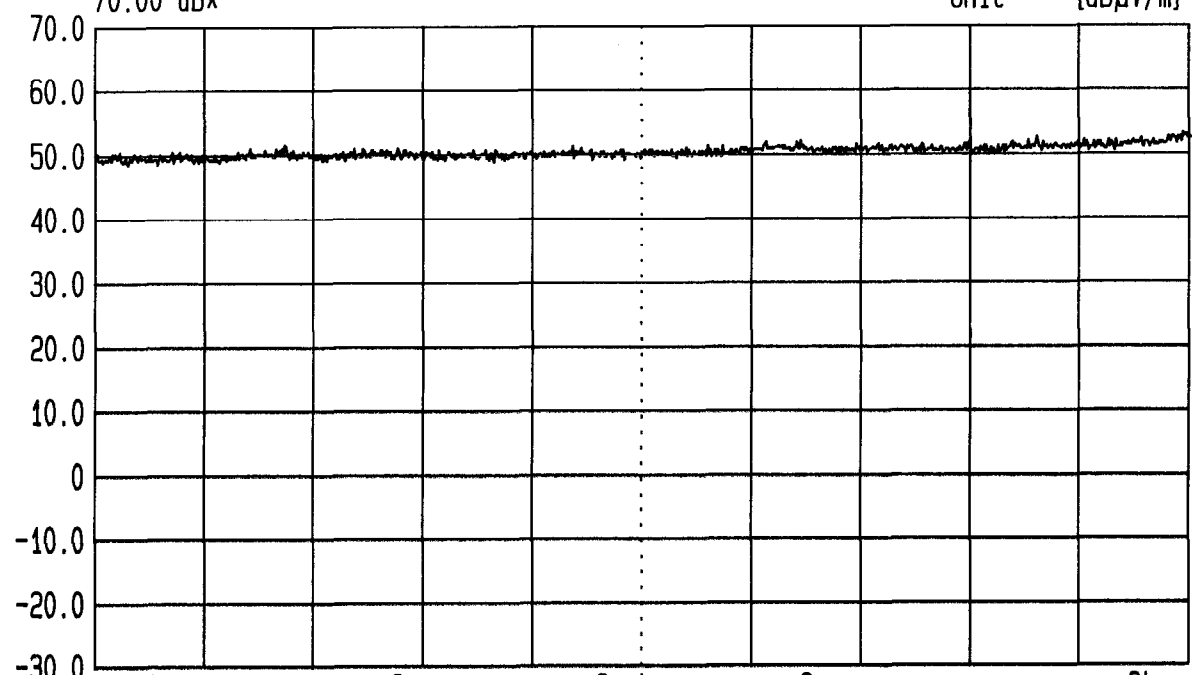
Radiated. Tested by RFI for Ericsson Microwave Systems Ltd.
 Tx Mode with Bottom and Top Channel at Full Power.

FCC Part 24
 GPH/37902/01/01/066



Date 08.Oct.'98 Time 16:49:19
 Ref.Lvl
 70.00 dB*

Res.Bw 1 MHz [imp] Vid.Bw 1 MHz
 TG.Lvl off
 CF.Stp 100.000 MHz RF.Att 0 dB
 Unit [dBμV/m]



Start 4 GHz Span 1 GHz Center 4.5 GHz Sweep 20 ms Stop 5 GHz

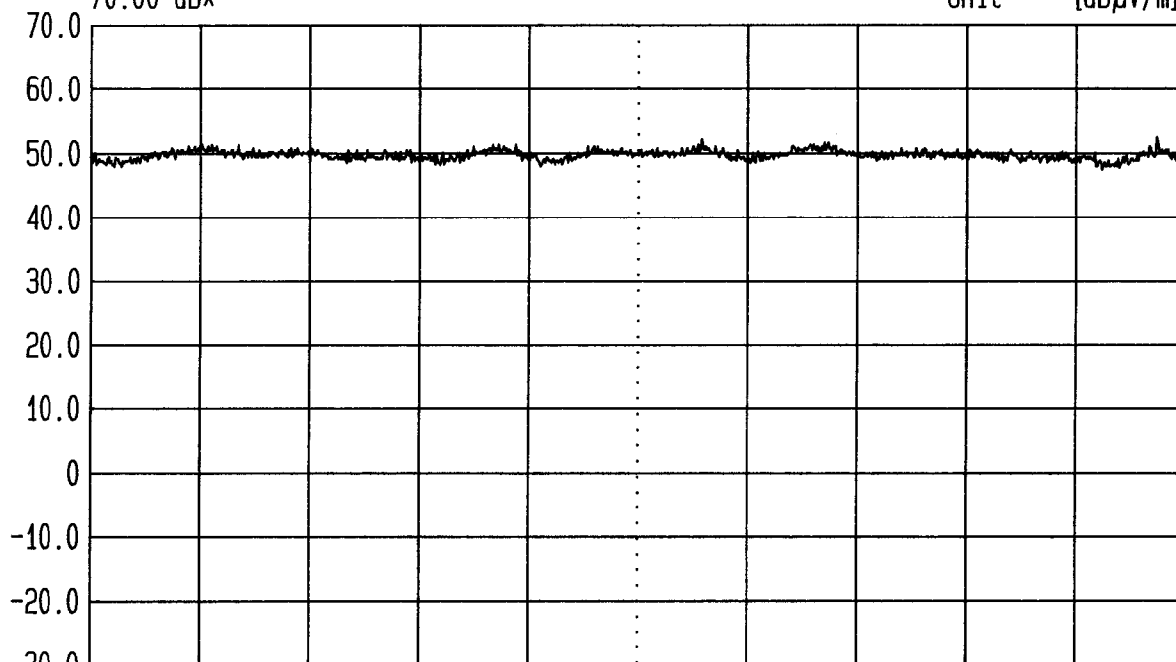
Radiated. Tested by RFI for Ericsson Microwave Systems Ltd.
 Tx Mode with Bottom and Top Channel at Full Power.

FCC Part 24
 GPH/37902/01/01/067



Date 08.Oct.'98 Time 16:54:51
 Ref.Lvl
 70.00 dB*

Res.Bw 1 MHz [imp] Vid.Bw 1 MHz
 TG.Lvl off
 CF.Stp 100.000 MHz RF.Att 0 dB
 Unit [dB μ V/m]



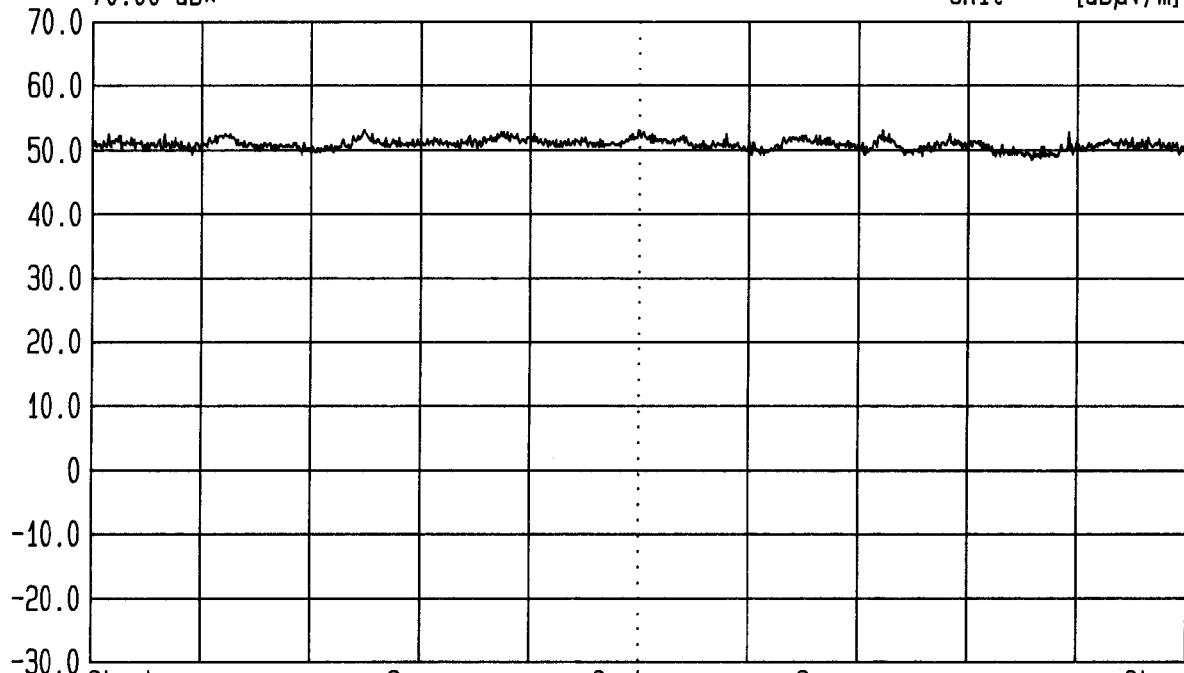
TT
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Start 5 GHz Span 1 GHz Center 5.5 GHz Sweep 20 ms Stop 6 GHz
 Radiated. Tested by RFI for Ericsson Microwave Systems Ltd. FCC Part 24
 Tx Mode with Bottom and Top Channel at Full Power. GPH/37902/01/01/068



Date 08.Oct.'98 Time 17:00:45
 Ref.Lvl
 70.00 dBx

Res.Bw 1 MHz [imp] Vid.Bw 1 MHz
 TG.Lvl off
 CF.Stp 220.000 MHz RF.Att 0 dB
 Unit [dBμV/m]

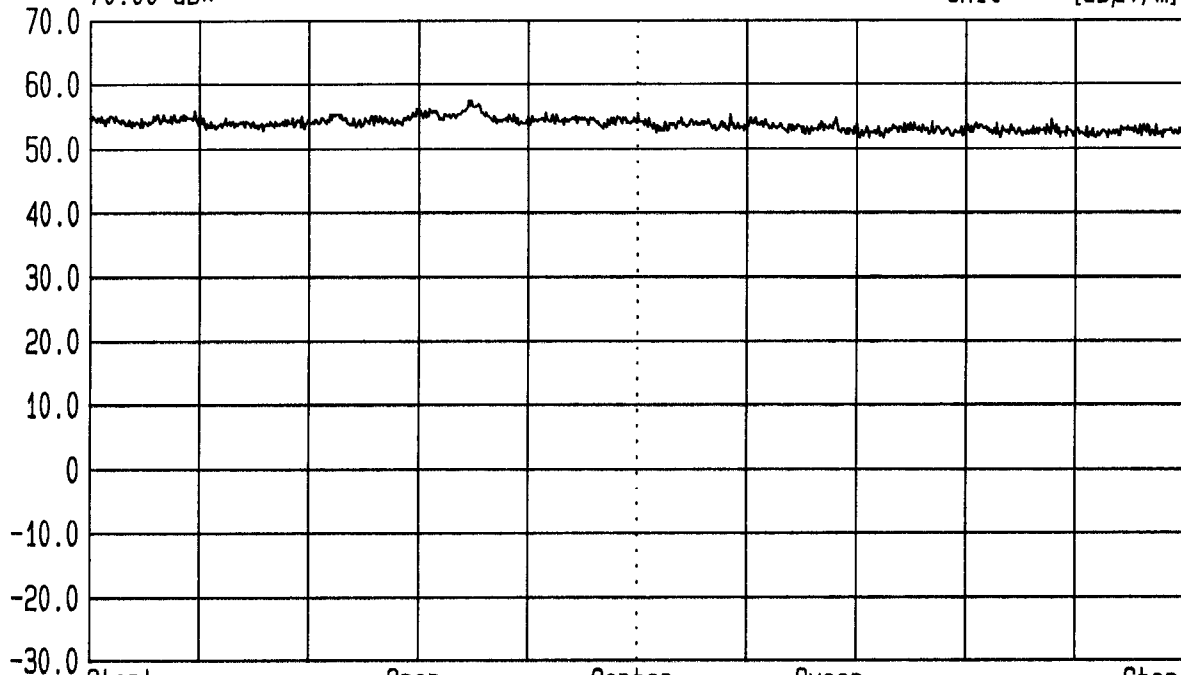


Start 6 GHz Span 2.2 GHz Center 7.1 GHz Sweep 20 ms Stop 8.2 GHz
 Radiated. Tested by RFI for Ericsson Microwave Systems Ltd. FCC Part 24
 Tx Mode with Bottom and Top Channel at Full Power. GPH/37902/01/01/069



Date 08.Oct.'98 Time 17:05:55
Ref.Lvl
70.00 dBx

Res.Bw 1 MHz [imp] Vid.Bw 1 MHz
TG.Lvl off
CF.Stp 430.000 MHz RF.Att 0 dB
Unit [dBμV/m]



Start 8.2 GHz Span 4.3 GHz Center 10.35 GHz Sweep 40 ms Stop 12.5 GHz

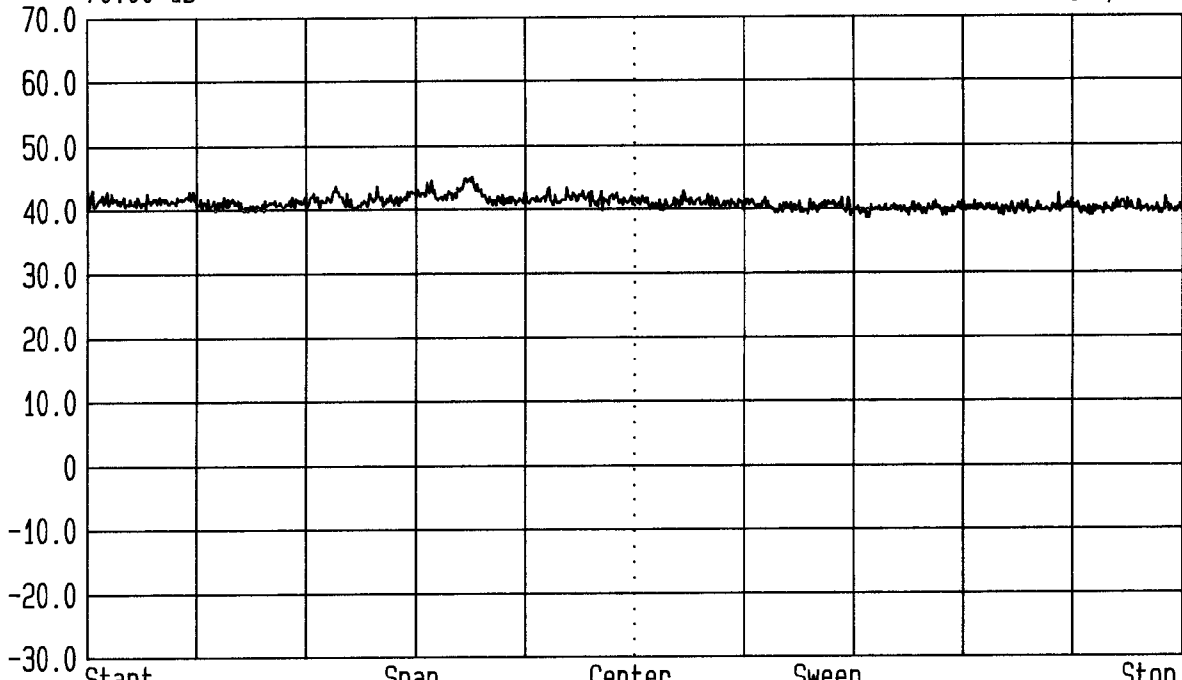
Radiated. Tested by RFI for Ericsson Microwave Systems Ltd.
Tx Mode with Bottom and Top Channel at Full Power.

FCC Part 24
GPH/37902/01/01/070



Date: 06.Oct.'98 Time 17:09:10
 Ref.Lvl
 70.00 dBx

Res.Bw 120 kHz [imp] Vid.Bw 100 kHz
 TG.Lvl off
 CF.Stp 430.000 MHz RF.Att 0 dB
 Unit [dBμV/m]

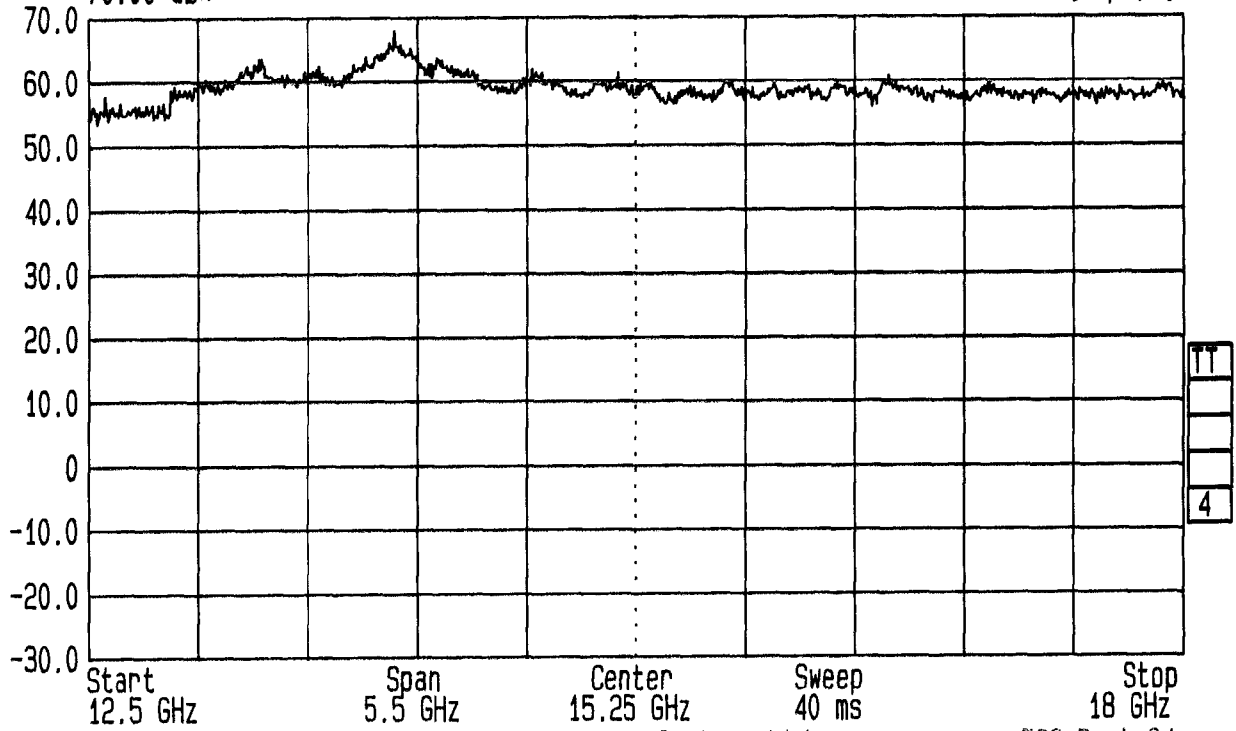


Start 8.2 GHz Span 4.3 GHz Center 10.35 GHz Sweep 1.90 s Stop 12.5 GHz
 Radiated. Tested by RFI for Ericsson Microwave Systems Ltd. FCC Part 24
 Tx Mode with Bottom and Top Channel at Full Power. GPH/37902/01/01/071



Date 08.Oct.'98 Time 17:12:21
Ref.Lvl
70.00 dB*

Res.Bw 1 MHz [imp] Vid.Bw 1 MHz
TG.Lvl off
CF.Stp 550.000 MHz RF.Att 0 dB
Unit [dBμV/m]



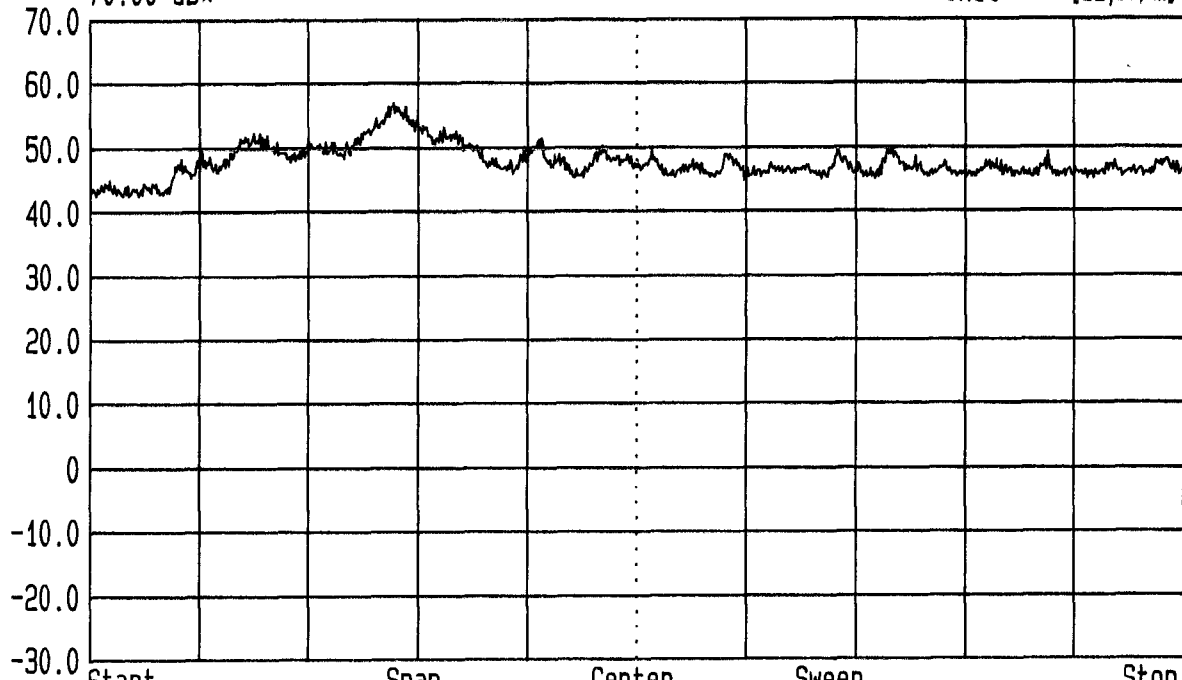
Start 12.5 GHz Span 5.5 GHz Center 15.25 GHz Sweep 40 ms
Radiated. Tested by RFI for Ericsson Microwave Systems Ltd.
Tx Mode with Bottom and Top Channel at Full Power.

Stop 18 GHz
FCC Part 24
GPH/37902/01/01/072



Date: 09.Oct.'98 Time: 17:19:10
 Ref.Lvl
 70.00 dBx

Res.Bw 120 kHz [imp] Vid.Bw 100 kHz
 TG.Lvl off
 CF.Stp 550.000 MHz RF.Att 0 dB
 Unit [dBμV/m]



TT
4

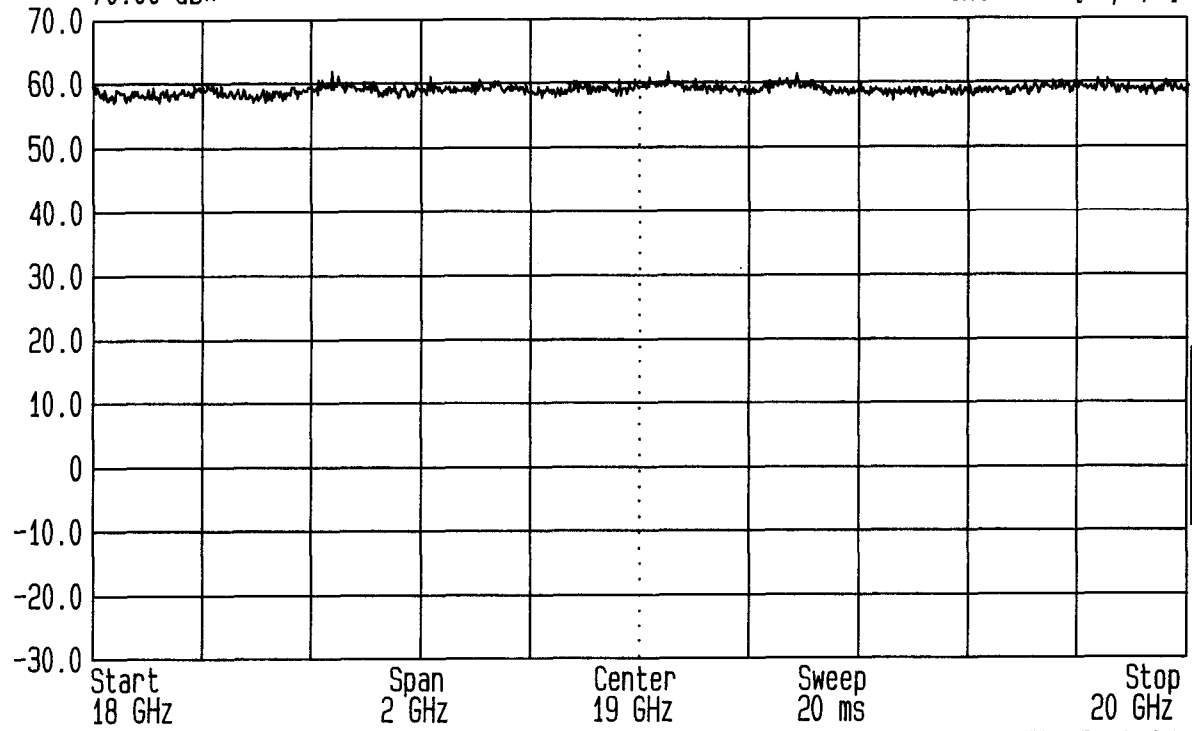
Radiated. Tested by RFI for Ericsson Microwave Systems Ltd.
 Tx Mode with Bottom and Top Channel at Full Power.

FCC Part 24
 GPH/37902/01/01/073



Date: 08.Oct.'98 Time: 17:16:25
 Ref.Lvl
 70.00 dBx

Res.Bw 1 MHz [imp] Vid.Bw 1 MHz
 TG.Lvl off
 CF.Stp 200.000 MHz RF.Att 0 dB
 Unit [dBμV/m]



IT
 4

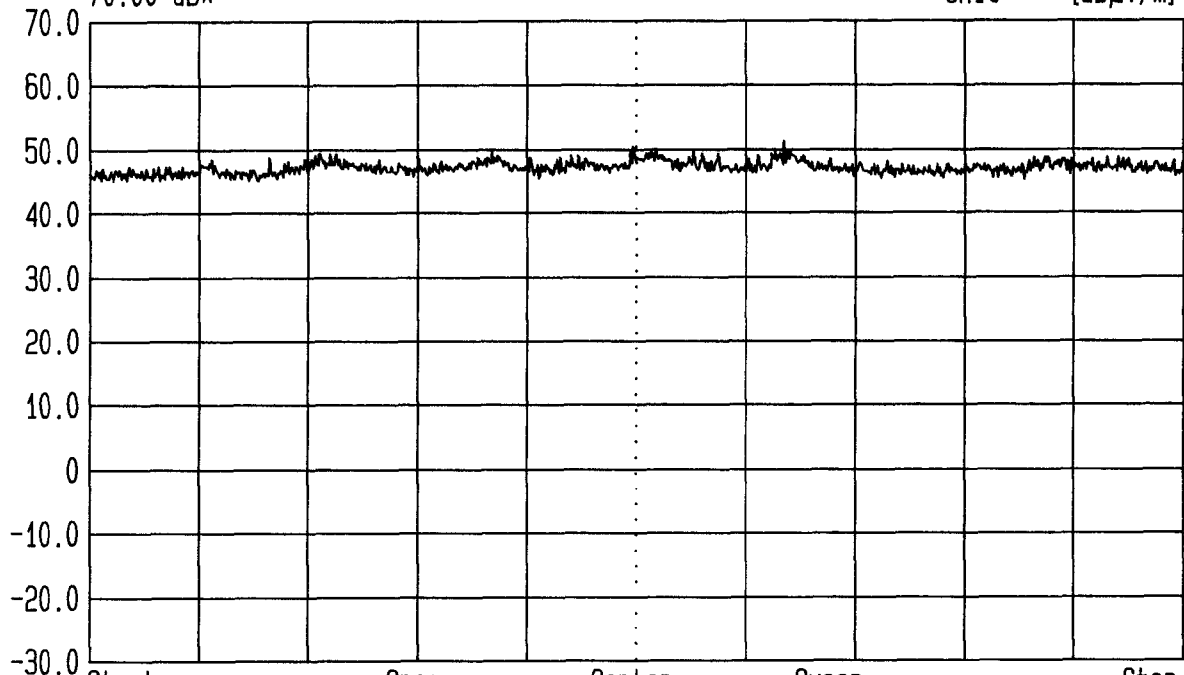
Radiated. Tested by RFI for Ericsson Microwave Systems Ltd.
 Tx Mode with Bottom and Top Channel at Full Power.

FCC Part 24
 GPH/37902/01/01/074



Date: 06.Oct.'98 Time: 17:22:47
Ref.Lvl
70.00 dBx

Res.Bw 120 kHz [imp] Vid.Bw 100 kHz
TG.Lvl off
CF.Stp 200.000 MHz RF.Att 0 dB
Unit [dBμV/m]



Start 18 GHz Span 2 GHz Center 19 GHz Sweep 880 ms Stop 20 GHz

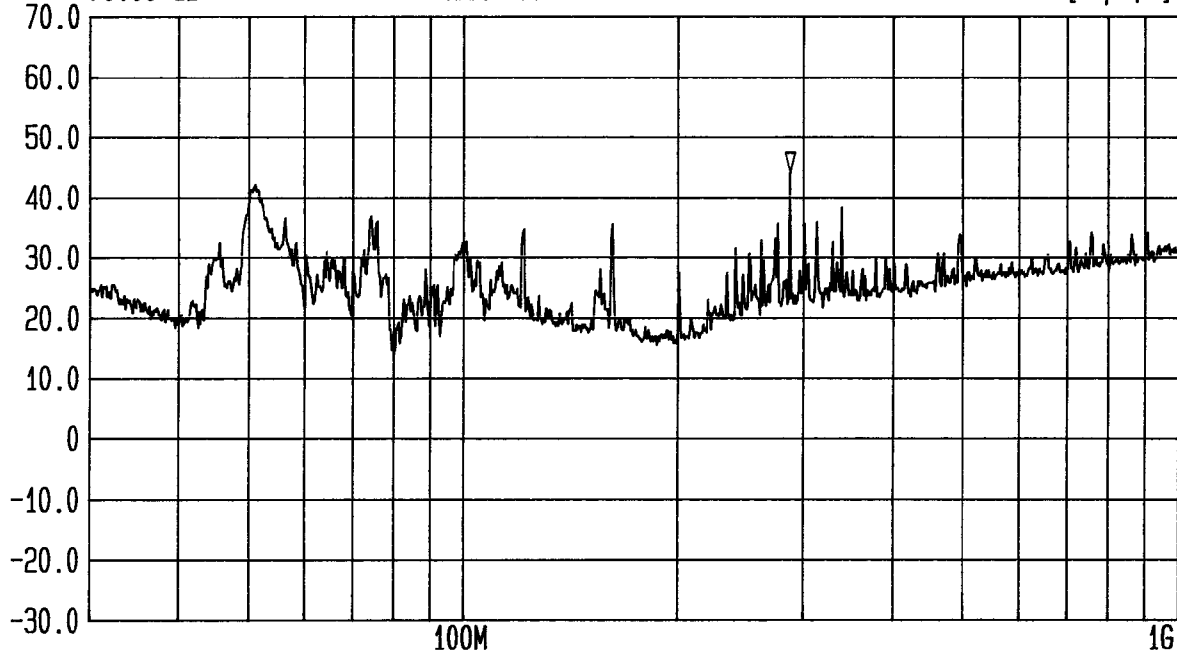
Radiated. Tested by RFI for Ericsson Microwave Systems Ltd.
Tx Mode with Bottom and Top Channel at Full Power.

FCC Part 24
GPH/37902/01/01/075



Date 08.Oct.'98 Time 17:29:28
 Ref.Lvl 70.00 dB*
 Marker 44.23 dB*
 286.3 MHz

Res.Bw 120 kHz [imp]
 TG.Lvl off
 CF.Stp 97.000 MHz
 Vid.Bw 100 kHz
 RF.Att 0 dB
 Unit [dBμV/m]



TT
1

Start 30 MHz Span 970 MHz Center 173.2 MHz Sweep 380 ms Stop 1 GHz

Radiated. Tested by RFI for Ericsson Microwave Systems Ltd.
 Tx Mode with Top and Bottom Channel Full Power.

FCC Part 24
 GPH/37902/01/01/076

Test Of: Ericsson Microwave Systems AB
RBS 2000, RBS 2302 GSM 1900 Duplex Configuration
To: FCC Part 24:1997 (Clause: 24.236 and 24.238)

Appendix 5. Photographs of EUT

This appendix contains the following photographs

Photo Reference Number	Title
PHT\37902\001	Front view of EUT
PHT\37902\002	Rear view of EUT

These pages are not included in the total number of pages for this report.

RADIO FREQUENCY INVESTIGATION LTD.

TEST REPORT

EMC Department

S.No: RFI/EMCB1/RP37902A

Page 42 of 42

Issue Date: 10 October 1998

Test Of: Ericsson Microwave Systems AB
RBS 2000, RBS 2302 GSM 1900 Duplex Configuration

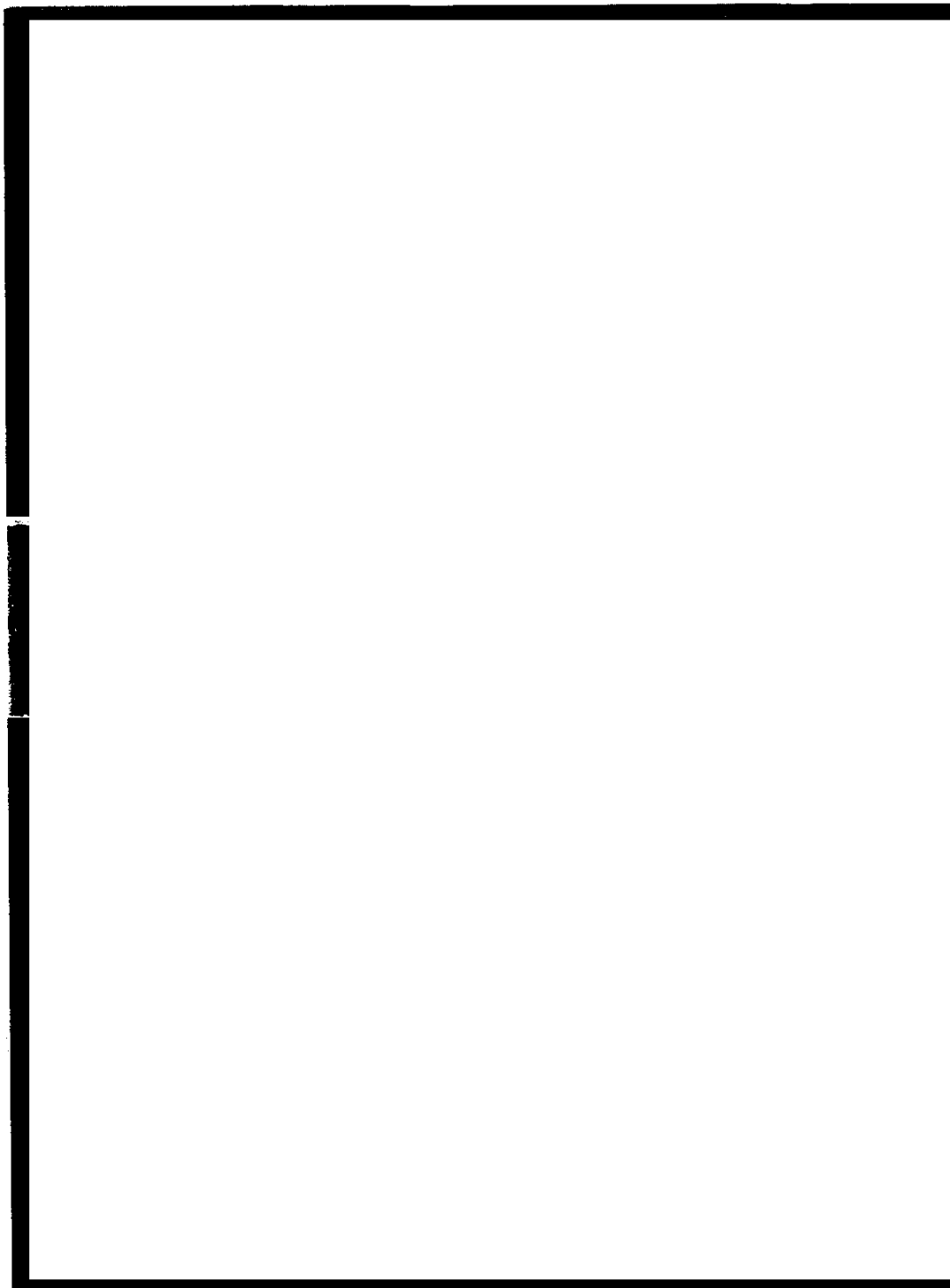
To: FCC Part 24:1997 (Clause: 24.236 and 24.238)

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EMC Department

**Test Of: Ericsson Microwave Systems AB
RBS 2000, RBS 2302 GSM 1900 Duplex Configuration
To: FCC Part 24:1997 (Clause: 24.236 and 24.238)**

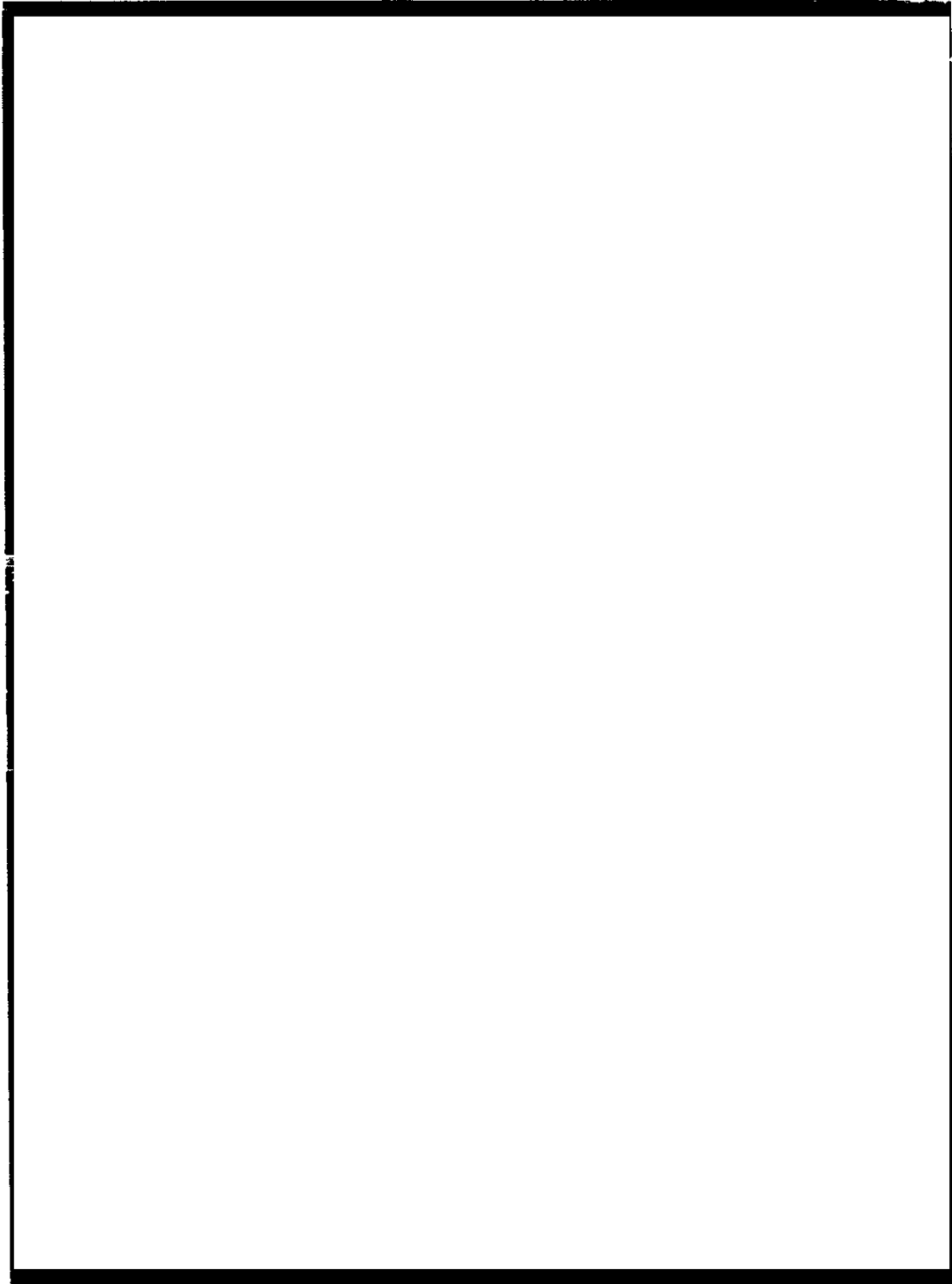
PHT\37902\001 Front view of radiated emissions



EMC Department

Test Of: Ericsson Microwave Systems AB
RBS 2000, RBS 2302 GSM 1900 Duplex Configuration
To: FCC Part 24:1997 (Clause: 24.236 and 24.238)

PHT37902\002 Rear view of radiated emissions



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