

MEASUREMENT AND TECHNICAL REPORT

HM ELECTRONICS
6675 Mesa Ridge Road
San Diego, CA 92121-2937

DATE: 17 January 2002

This Report Concerns:	Original Grant: X	Class II Change:
Equipment Type: SYS800 Wireless Intercom Base Station, Model RW800		
Deferred grant requested per 47 CFR 0.457(d)(1)(ii)?	Yes: Defer until:	No: X
Company Name agrees to notify the Commission by: N/A of the intended date of announcement of the product so that the grant can be issued on that date.		
Transition Rules Request per 15.37?	Yes:	*No:
(*) FCC Part 2, Paragraphs 2.1046, 2.1047, 2.1049, 2.1051, 2.1053, 2.1055; and Part 74, Paragraph 74.861(e)		
 Report Prepared by: TÜV PRODUCT SERVICE 10040 Mesa Rim Road San Diego, CA 92121-2912 Phone: 858 546 3999 Fax: 858 546 0364		

SUMMARY

Purpose of Test: To demonstrate compliance with the ANSI C63.4 setup.

PASS/FAIL	TEST PERFORMED
PASS	RF Power Output 2.1046
PASS	Modulation Characteristics 2.1047
PASS	Occupied Bandwidth 2.1049, 74.861(e)
PASS	Spurious Emissions at Antenna Terminals 2.1051
PASS	Radiated Spurious Emissions 2.1053, 74.861(e)
PASS	Frequency Stability 2.1055, 74.861(e)

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1 GENERAL INFORMATION

Form

EMC Test Plan and Constructional Data Form



PLEASE COMPLETE THIS DOCUMENT IN FULL, ENTERING N/A IF THE FIELD IS NOT APPLICABLE.

Applicant -- NOTE: This information will be input into your test report as shown below.
Press the F1 key at any time to get HELP for the current field selected.

Company: HM Electronics, Inc.
 Address: 6675 Mesa Ridge Road
San Diego, Ca. 92121
 Contact: Tom Riches Position: Engineering Services Manager
 Phone: 858-535-6098 Fax: 858-535-6019
 E-mail Address: triches@hme.com

General Equipment Description -- NOTE: This information will be input into your test report as shown below.

EUT Description SYS800 Wireless Intercom Base Station
 EUT Name _____
 Model No.: RW800 Serial No.: 49C00281
 Product Options: Headset
 Configurations to be tested: Standard

Test Objective

- | | |
|--|---|
| ☐ EMC Directive 89/336/EEC (EMC) | ☒ FCC: Class ☐ A ☐ B Part <u>2/74</u> |
| Std: _____ | ☐ VCCI: Class ☐ A ☐ B |
| ☐ Machinery Directive 89/392/EEC (EMC) | ☐ BCIQ: Class ☐ A ☐ B |
| Std: _____ | ☐ Canada: Class ☐ A ☐ B |
| ☐ Medical Device Directive 93/42/EEC (EMC) | ☐ Australia: Class ☐ A ☐ B |
| Std: _____ | ☒ Other: <u>Canada Part 2/74 Equivalent (RSS123?)</u> |
| ☐ Vehicle Directive 72/245/EEC (EMC) | |
| Std: _____ | |
| ☐ FDA Reviewers Guidance for Premarket Notification Submissions (EMC) | |

Form

EMC Test Plan and Constructional Data Form



TÜV Product Service Certification Requested

- ☐ Attestation of Conformity (AoC)
 ☐ International EMC Mark (IEM)
☐ Certificate of Conformity (CoC)
 ☒ Compliance Document
 Protection Class (N/A for vehicles)
 ☐ Class I
 ☐ Class II
 ☐ Class III
 (Press F1 when field is selected to show additional information on Protection Class.)

Attendance

Test will be: ☒ Attended by the customer ☐ Unattended by the customer

Failure - Complete this section if testing will not be attended by the customer.

If a failure occurs, TÜV Product Service should:

- ☐ Call contact listed above, if not available then stop testing. (After hrs phone): _____
☐ Continue testing to complete test series.
☐ Continue testing to define corrective action.
☐ Stop testing.

EUT Specifications and Requirements

Length: 11.5 inches Width: 19 inches Height: 1.7 inches Weight: 13 lbs

Power Requirements

Regulations require testing to be performed at typical power ratings in the countries of intended use. (i.e., European power is typically 230 VAC 50 Hz or 400 VAC 50 Hz, single and three phase, respectively)

Voltage: 11-30VDC (If battery powered, make sure battery life is sufficient to complete testing.)

of Phases: 1

Current (Amps/phase(max)): .5 Current (Amps/phase(nominal)): .1

Other Power Supplied by Step down wall transformer

Other Special Requirements

N/A

Typical Installation and/or Operating Environment

(ie. Hospital, Small Business, Industrial/Factory, etc.)
Broadcast Television Studio



Form

EMC Test Plan and Constructional Data Form



EUT Power Cable			
☐ Permanent	OR	☒ Removable	Length (in meters): <u>2</u>
☐ Shielded	OR	☒ Unshielded	
☐ Not Applicable			

Form

EMC Test Plan and Constructional Data Form



EUT Interface Ports and Cables

Interface		Shielding									
Type	Analog Digital	Qty	Yes No	Type	Termination	Connector Type	Port Termination	Length (in meters)	Removable Permanent		
EXAMPLE: RS232	☐ ☒	2	☒ ☐	Foil over braid	Coaxial	Metalized 9-pin D-Sub	Characteristic Impedance	6	☒ ☐		
Headset	☒ ☐	1	☐ ☒	N/A	N/A	4 Pin XLR	1K (Mic) 50 Ohms (Earpiece)	2	☒ ☐		
4-Wire	☒ ☐	1	☐ ☒	Braid	N/A	4 Pin XLR	20K ohms Balanced		☒ ☐		
AUX Input	☒ ☐	1	☐ ☒	Braid	N/A	3 Pin XLR	600 Ohm Balanced		☒ ☐		
Cabled Intercom	☒ ☐	2	☐ ☒	Braid	N/A	3 Pin XLR	10K Ohms		☒ ☐		
TX Antenna	☒ ☐	1	☐ ☒	N/A	N/A	BNC	50 Ohms		☒ ☐		
RX Antenna	☒ ☐	1	☐ ☒	N/A	N/A	BNC	50 Ohms		☒ ☐		
	☐ ☐		☐ ☐						☐ ☐		
	☐ ☐		☐ ☐						☐ ☐		
	☐ ☐		☐ ☐						☐ ☐		
	☐ ☐		☐ ☐						☐ ☐		
	☐ ☐		☐ ☐						☐ ☐		
	☐ ☐		☐ ☐						☐ ☐		
	☐ ☐		☐ ☐						☐ ☐		

Form

EMC Test Plan and Constructional Data Form



EUT Software.

Revision Level: N/A

Description: N/A

EUT Operating Modes to be Tested -- list the operating modes to be used during test. It is recommended the equipment be tested while operating in a typical operation mode. FCC testing of personal computers and/or peripherals requires that a simple program generate a complete line of upper case H's. Provide a general description of all software, firmware, and PLD algorithms used in the equipment. List all code modules as described above, with the revision level used during testing. Consult with your TÜV Product Service Representative if additional assistance is required.

1. Transmit
2. Receive
3. Idle

EUT System Components -- List and describe all components which are part of the EUT. For FCC testing a minimum configuration is required. (ie. Mouse, Printer, Monitor, External Disk Drive, Motherboard, etc.)

Description	Model #	Serial #	FCC ID #
SYS800 Base Station	RW800	49C00281	RW80074
Transmit Antenna	101038	N/A	N/A
Receive Antenna	101038	N/A	N/A

1 GENERAL INFORMATION (continued)

1.2 Related Submittal/Grant

None

1.3 Tested System Details

The FCC IDs for all equipment, plus descriptions of all cables used in the tested system are:

None

1.4 Test Methodology

Purpose of Test: To demonstrate compliance with the ANSI C63.4 setup.

1.5 Test Facility

The open area test site and conducted measurement data were tested by:

TÜV PRODUCT SERVICE
10040 Mesa Rim Road
San Diego, CA 92121-2912
Phone: 858 546 3999
Fax: 858 546 0364

The Test Site Data and performance comply with ANSI 63.4 and are registered with the FCC, 7435 Oakland Mills Rd, Columbia Maryland 21046. All Measurement Data is acquired according to the content of FCC Measurement Procedure and ANSI C63.4, unless supplemented with additional requirements as noted in the test report.

1.6 Part 2 Requirements

Report No. 107952-03 (FCC ID: BYMRW80074)



December 14, 2001

General Information Regarding the SYS800 Base Station Part 74 FCC Submittal:

Manufacturer and Applicant for Certification:

HME Electronics, Inc.
6675 Mesa Ridge Road
San Diego, Ca. 92121
USA

Manufacturer and Applicant FCC Registration Number
FRN# 0005-8707-04

FCC Identifier:
BYMRW80074

Frequency Range in MHz:
~~470-476~~ 470-476

Frequency Tolerance:
+/- 5 PPM

Range of Operating Power Levels:
.080 - .120 Watts (not user adjustable)

Maximum Power Rating:
.120 Watts

Type of Emission:
United States - 25K6F3E
Canada - 16K0F3E

Microprocessor:
Not Applicable

6675 Mesa Ridge Rd. San Diego, California 92121 Corporate Phone: (858) 535-6000 / Fax: (858) 452-7207

2. SYSTEM TEST CONFIGURATION

2.1 Justification

The EUT was initially tested for FCC emission in the following configuration:

See Block Diagram.

2.2 EUT Exercise Software

None

2.3 Special Accessories

None

2.4 Modification

None

2.5 Configuration of Tested System

See Block Diagram.

3 RF POWER OUTPUT, FCC Part 2, Paragraph 2.1046

Report No. SC107952

Test Conditions: FCC 76.861

Photos taken? ☒ Yes

- ☒ SR 2, Shielded Room, 12' x 24' x 10', Metal Chamber
☒ Canyon 2, Open Site ☒ 3 meter ☐ 10 meter

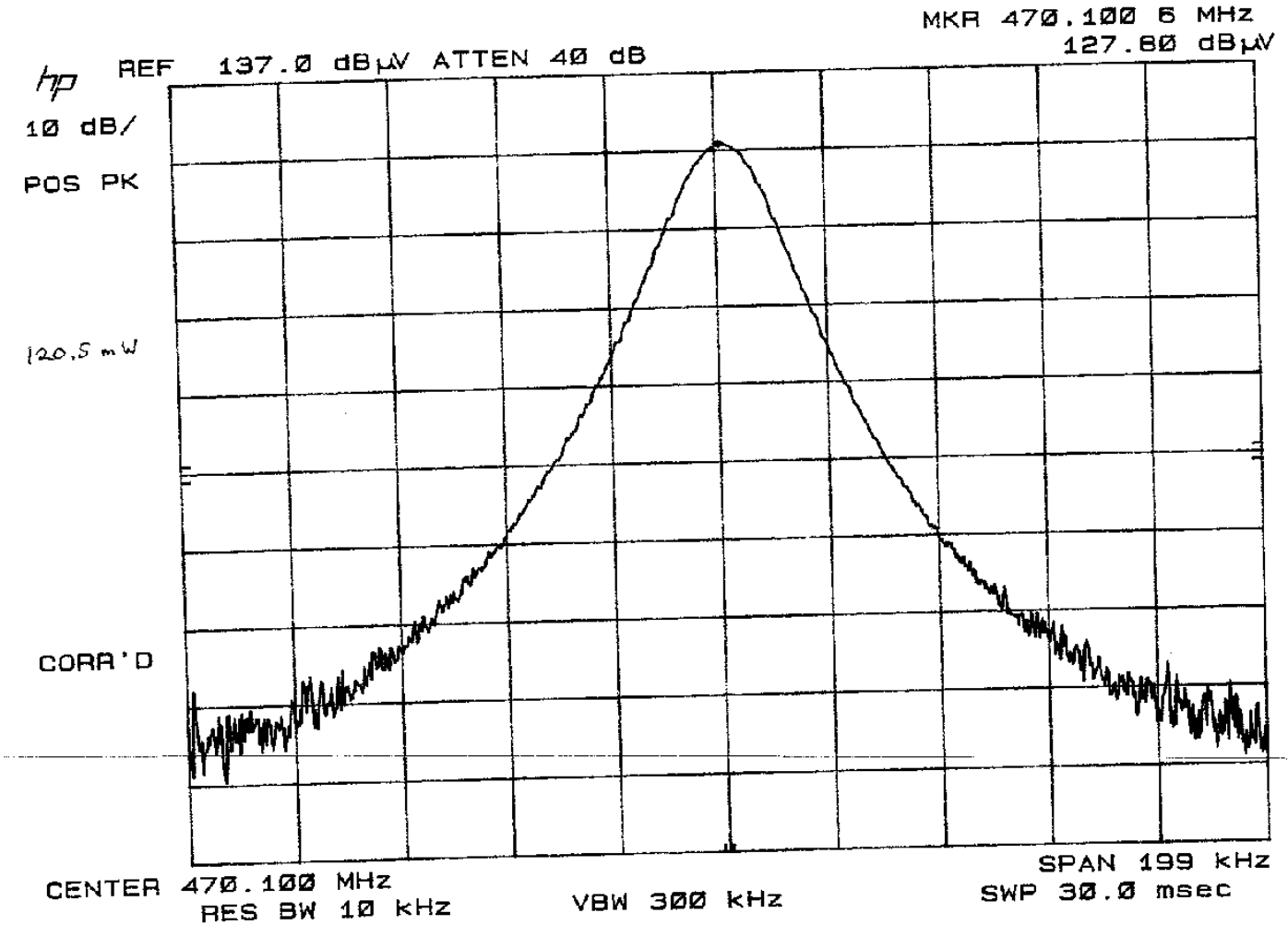
Test Equipment Used:

Model Number	Prop. #	Description	Manufacturer	Serial No.	Cal. Date	21046	21047	21049	21051	21055	21053
hp8586B	721	Spectrum Analyzer	Hewlett Packard	2542A12099	8/21/02						
ESVS20	427	EMI Receiver	Rohde & Schwarz	830350/006	12/8/02						
hp3314A	133	Signal Generator	Hewlett Packard	2151A03391	4/3/02						
PreAmp 2-20 GHZ	719	PreAmp	TUV Product Service	719	3/26/02						
3115	453	Antenna, Horn	Electro Mechanics Co	5412-4364	12/1/03						
LPB2520/A	739	Antenna	Antenna Research	1170	3/21/02						

SC-107952
HM Electronics, Inc.

RW800 BASE STATION
2.1046 RF POWER OUTPUT

DEC. 20, 2001
AAL *RAF*



SC-107952
HME

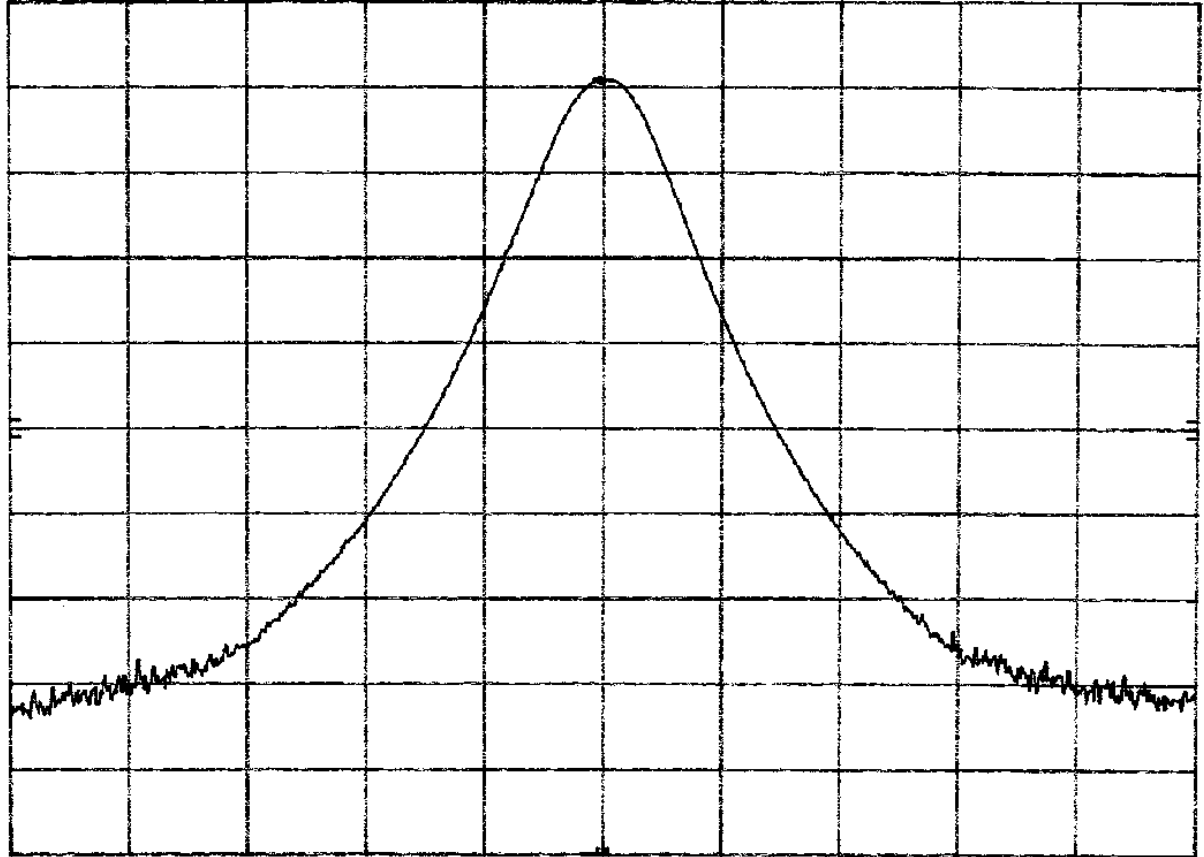
RW 800 BASE STATION
2.1046 RF POWER OUTPUT

01/17/02

MKR 476.100 2 MHz
20.80 dBm

hp REF 30.0 dBm ATTN 40 dB

10 dB/
POS PK

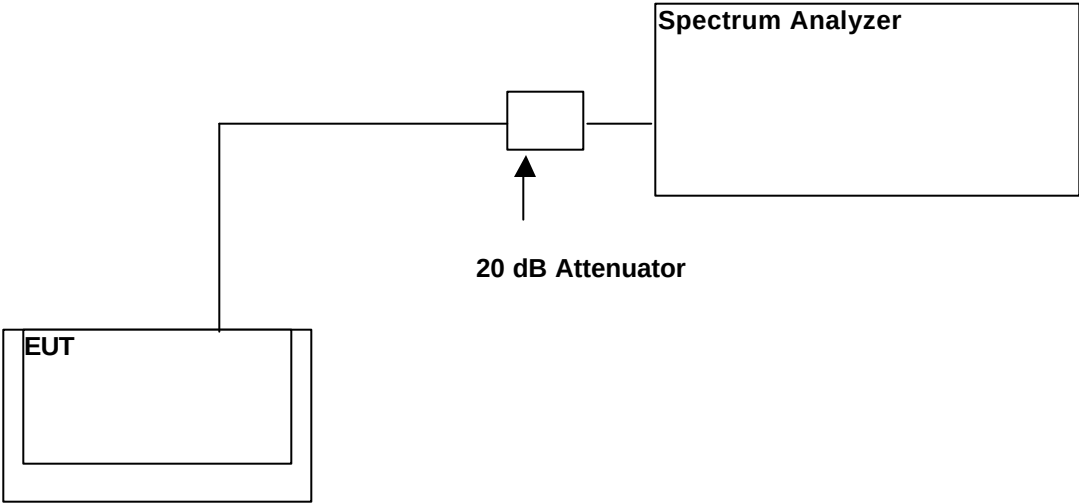


CENTER 476.100 MHz
RES BW 10 kHz

VBW 30 kHz

SPAN 200 kHz
SWP 30.0 msec

RF Power Output



4 MODULATION CHARACTERISTICS, FCC Part 2, Paragraph 2.1047

Report No. SC107952

Test Conditions: FCC 76.861

Photos taken? ☒ Yes

- ☒ SR 2, Shielded Room, 12' x 24' x 10', Metal Chamber
☒ Canyon 2, Open Site ☒ 3 meter ☐ 10 meter

Test Equipment Used:

Model Number	Prop. #	Description	Manufacturer	Serial No.	Cal. Date	21046	21047	21049	21051	21055	21053
hp8586B	721	Spectrum Analyzer	Hewlett Packard	2542A12099	8/21/02						
ESVS20	427	EMI Receiver	Rohde & Schwarz	830350/006	12/8/02						
hp3314A	133	Signal Generator	Hewlett Packard	2151A03391	4/3/02						
PreAmp 2-20 GHZ	719	PreAmp	TUV Product Service	719	3/26/02						
3115	453	Antenna, Horn	Electro Mechanics Co	5412-4364	12/1/03						
LPB2520/A	739	Antenna	Antenna Research	1170	3/21/02						

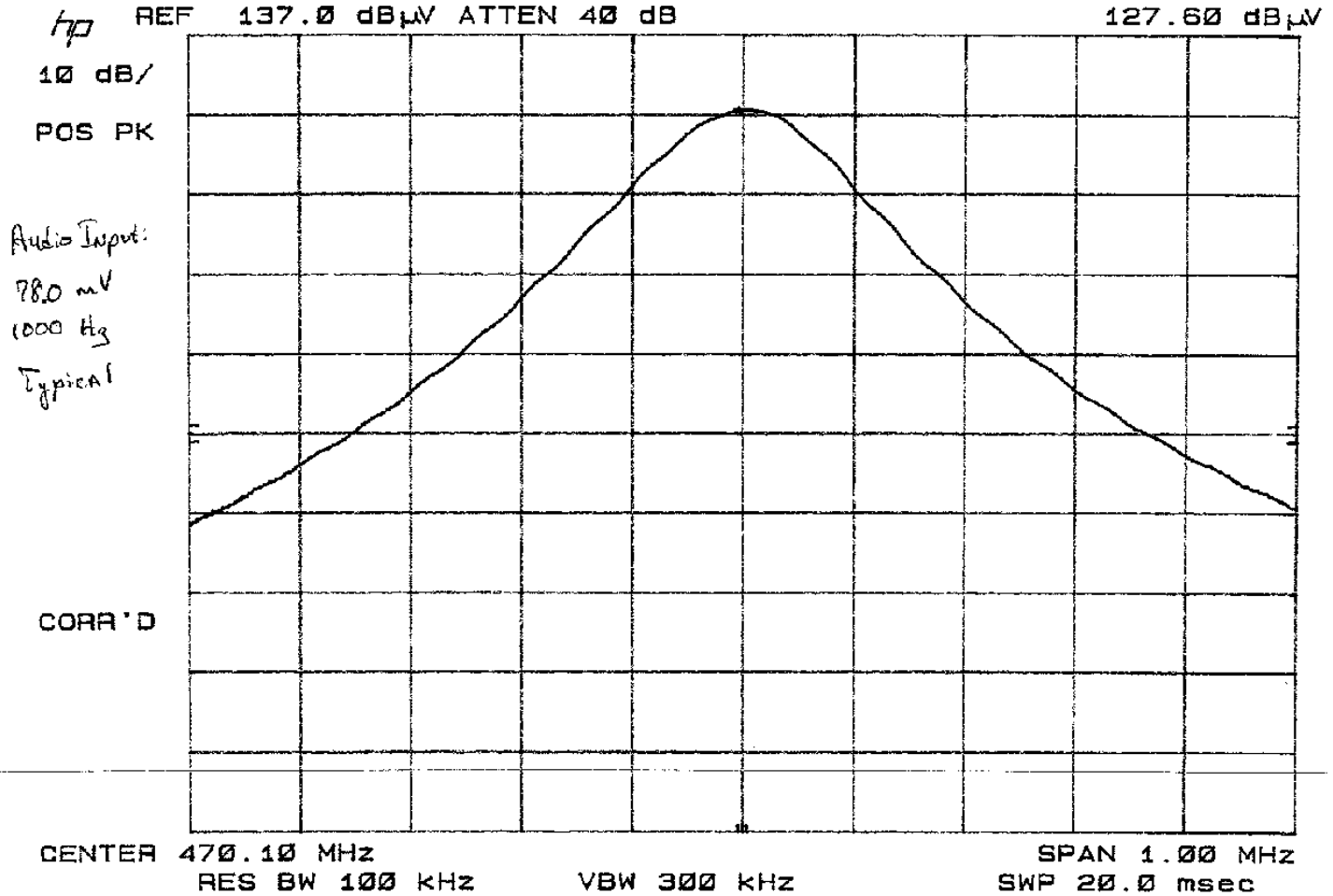
SC-107952
HM Electronics, Inc.

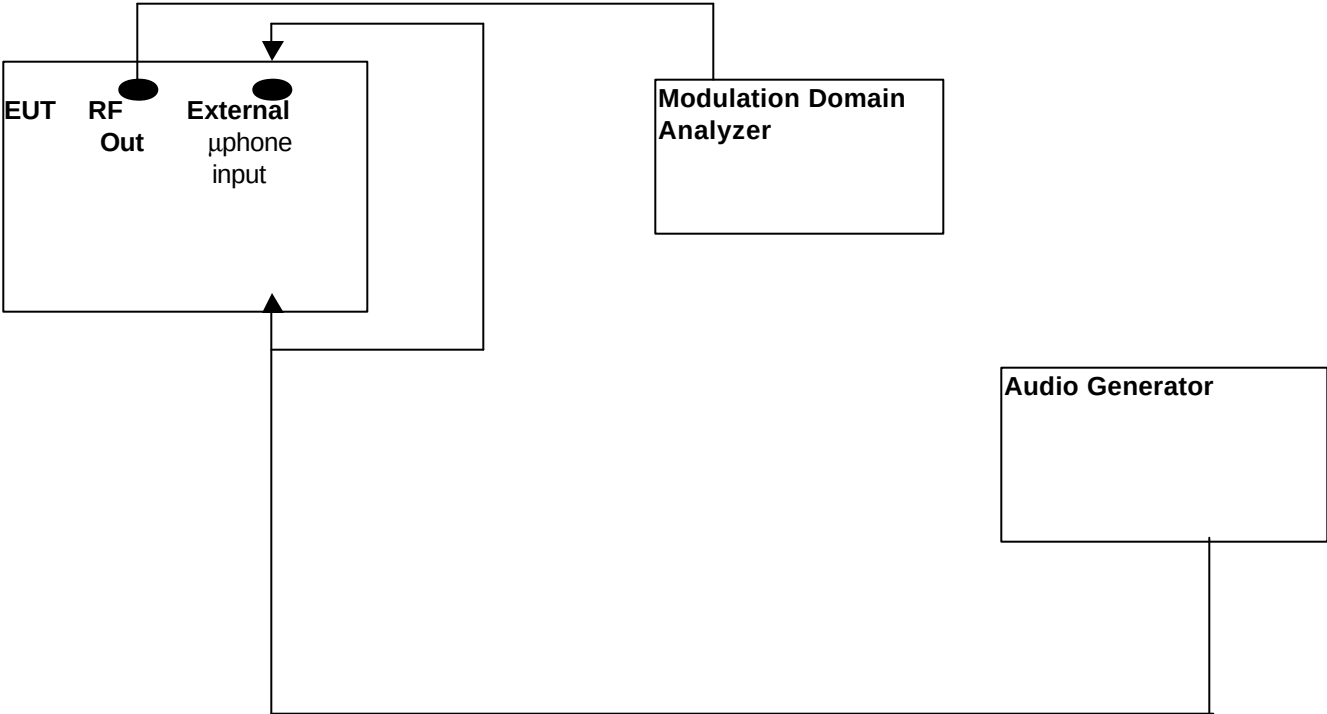
RW800 BASE STATION
2.1047 MODULATION CHARACTERISTICS

DEC. 20, 2001

AAL *AAJ*

MKR 470.095 MHz
127.60 dB μ V





5 OCCUPIED BANDWIDTH, 2.1049, , Part 74, Para. 74.861(e)

Report No. SC107952

Test Conditions: FCC 76.861

Photos taken? ☒ Yes

- ☒ SR 2, Shielded Room, 12' x 24' x 10', Metal Chamber
☒ Canyon 2, Open Site ☒ 3 meter ☐ 10 meter

Test Equipment Used:

Model Number	Prop. #	Description	Manufacturer	Serial No.	Cal. Date	21046	21047	21049	21051	21055	21053
hp8586B	721	Spectrum Analyzer	Hewlett Packard	2542A12099	8/21/02						
ESVS20	427	EMI Receiver	Rohde & Schwarz	830350/006	12/8/02						
hp3314A	133	Signal Generator	Hewlett Packard	2151A03391	4/3/02						
PreAmp 2-20 GHZ	719	PreAmp	TUV Product Service	719	3/26/02						
3115	453	Antenna, Horn	Electro Mechanics Co	5412-4364	12/1/03						
LPB2520/A	739	Antenna	Antenna Research	1170	3/21/02						

SC-107952
HM Electronics, Inc.

RW800 BASE STATION
2.1049 OCCUPIED BANDWIDTH

DEC. 20, 2001
AAL *AS*

Port 74.861(c)

MKR Δ 39.4 kHz
-0.10 dB

hp REF 137.0 dB μ V ATTEN 40 dB

10 dB/

POS PK

-26dB
BW

CORR'D

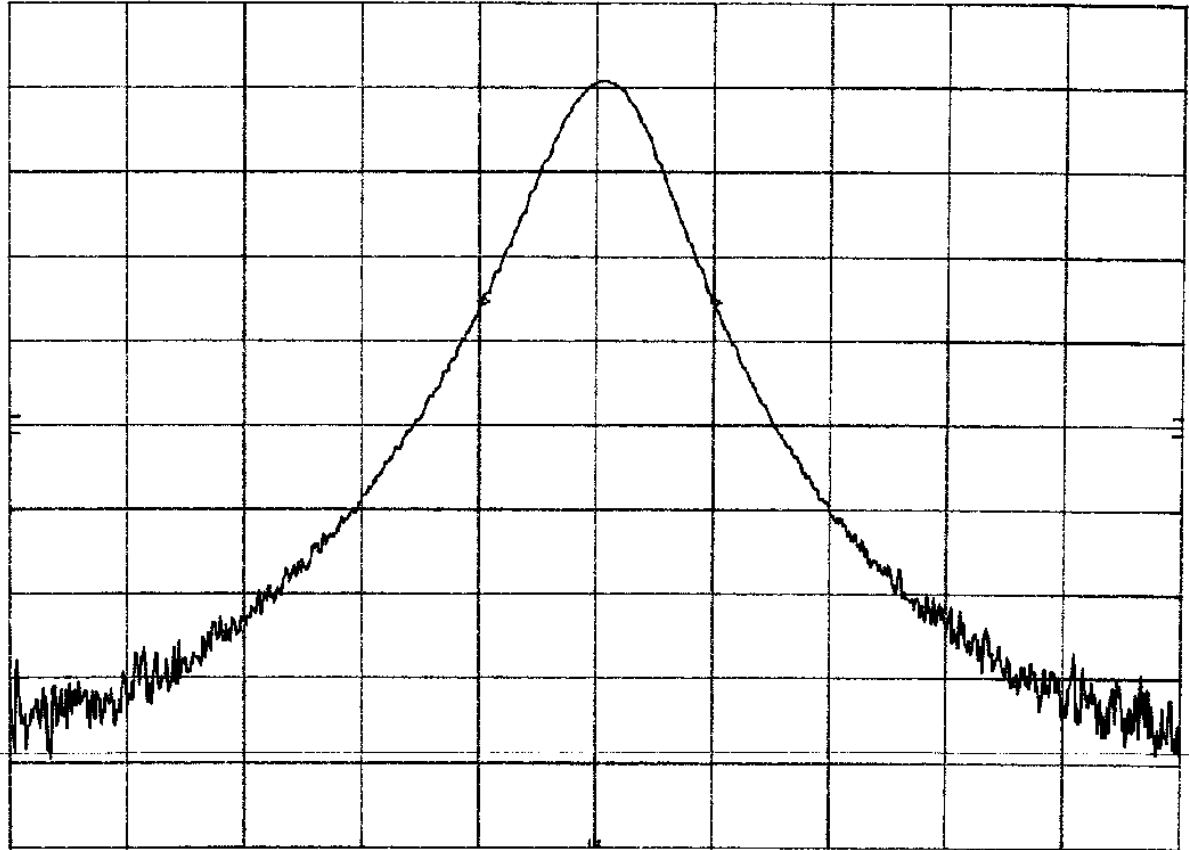
CENTER 470.100 MHz

RES BW 10 kHz

VBW 300 kHz

SPAN 199 kHz

SWP 30.0 msec

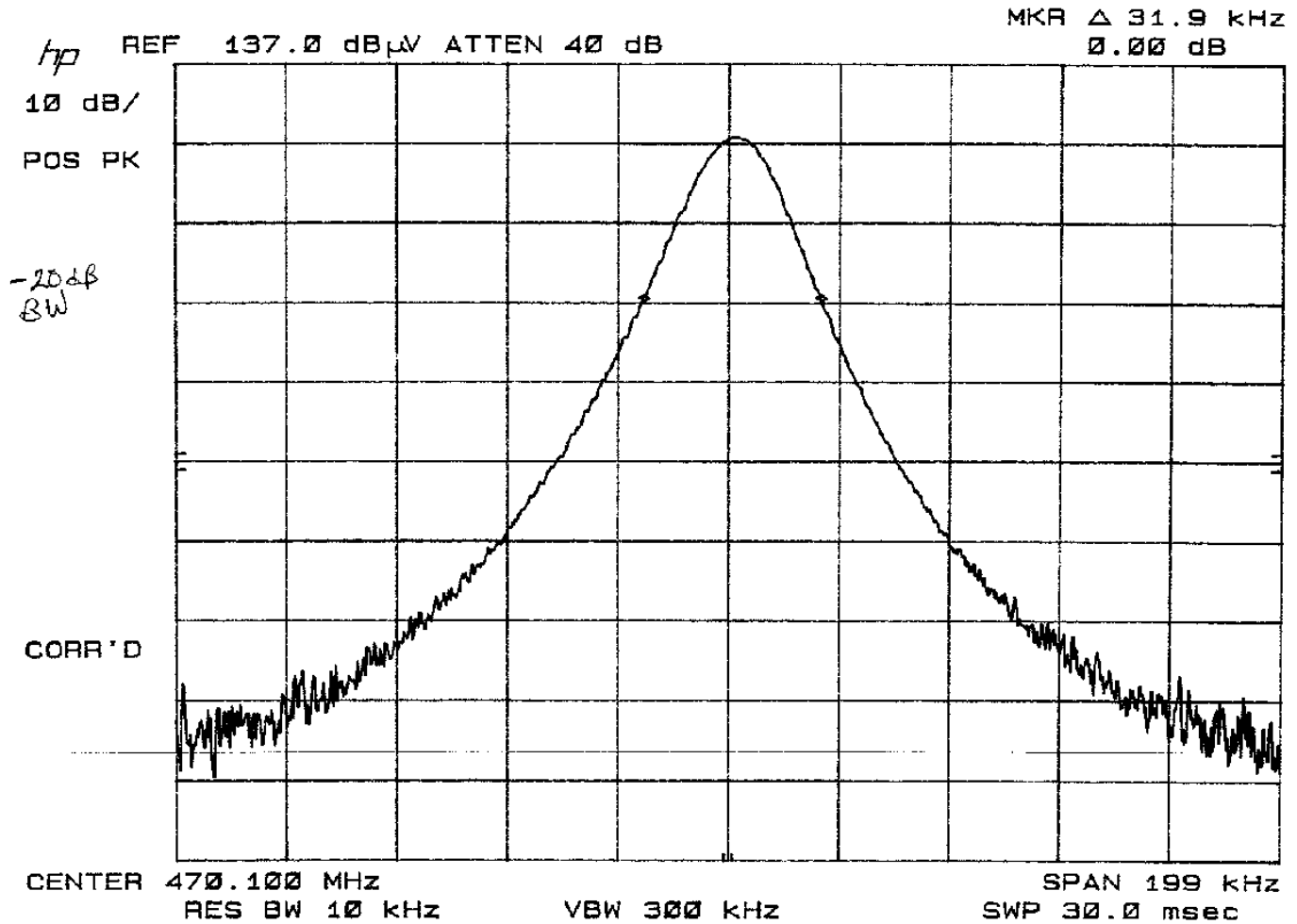


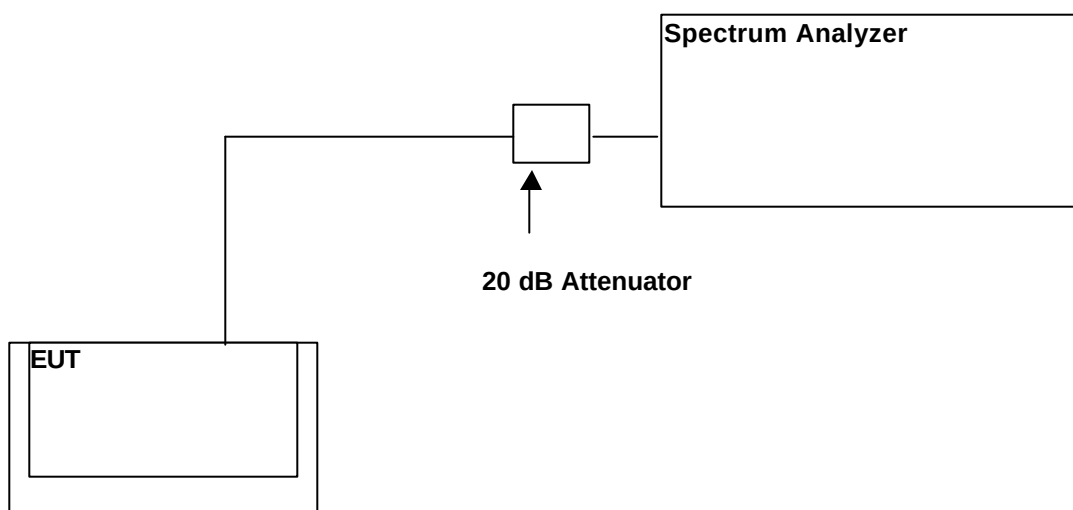
SC-107952
HM Electronics, Inc.

RW800 BASE STATION
2.1049 OCCUPIED BANDWIDTH

DEC. 20, 2001
AAL *HP*

Part 74.861(e)





6 SPURIOUS EMISSIONS AT ANTENNA TERMINALS, FCC Part 2, Paragraph 2.1051

Report No. SC107952

Test Conditions: FCC 76.861

Photos taken? ☒ Yes

- ☒ SR 2, Shielded Room, 12' x 24' x 10', Metal Chamber
☒ Canyon 2, Open Site ☒ 3 meter ☐ 10 meter

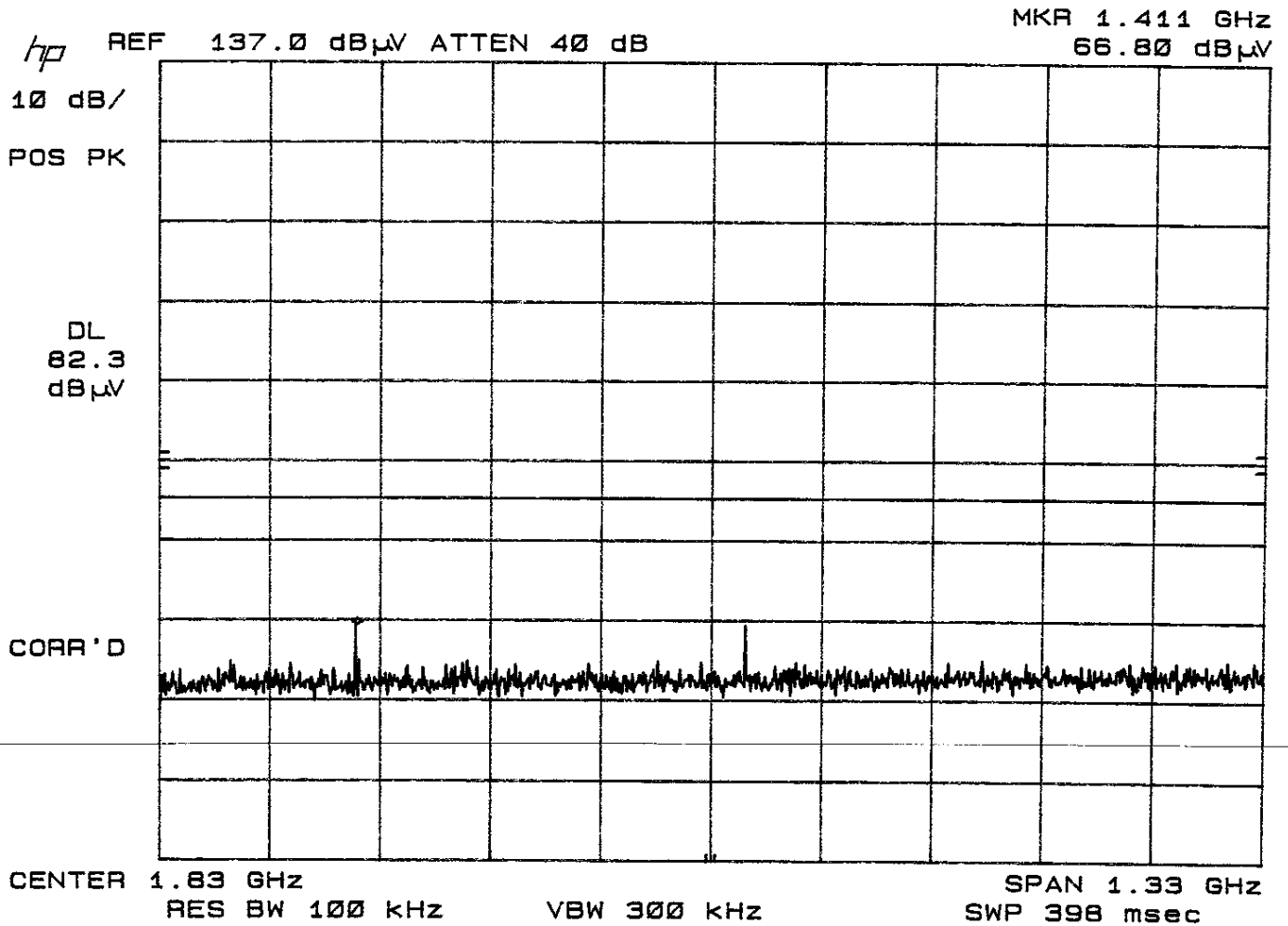
Test Equipment Used:

Model Number	Prop. #	Description	Manufacturer	Serial No.	Cal. Date	21046	21047	21049	21051	21055	21053
hp8586B	721	Spectrum Analyzer	Hewlett Packard	2542A12099	8/21/02						
ESVS20	427	EMI Receiver	Rohde & Schwarz	830350/006	12/8/02						
hp3314A	133	Signal Generator	Hewlett Packard	2151A03391	4/3/02						
PreAmp 2-20 GHZ	719	PreAmp	TUV Product Service	719	3/26/02						
3115	453	Antenna, Horn	Electro Mechanics Co	5412-4364	12/1/03						
LPB2520/A	739	Antenna	Antenna Research	1170	3/21/02						

SC-107952
HM Electronics, Inc.

RW800 BASE STATION
2.1051 SPURIOUS EMISSIONS AT ANTENNA TERMINALS

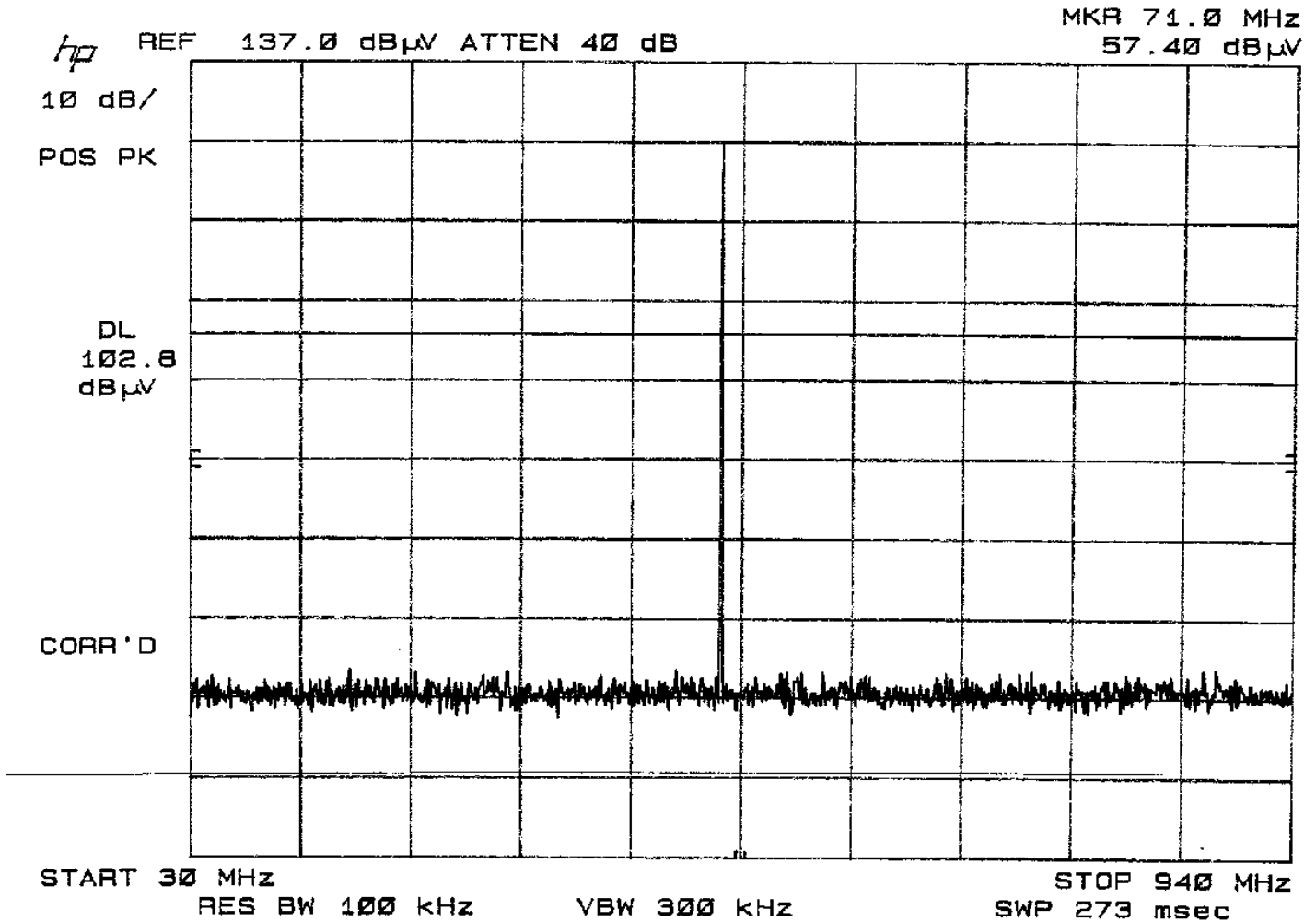
DEC. 20, 2001
AAL *AKS*



SC-107952
HM Electronics, Inc.

RW800 BASE STATION
2.1051 SPURIOUS EMISSIONS AT ANTENNA TERMINALS

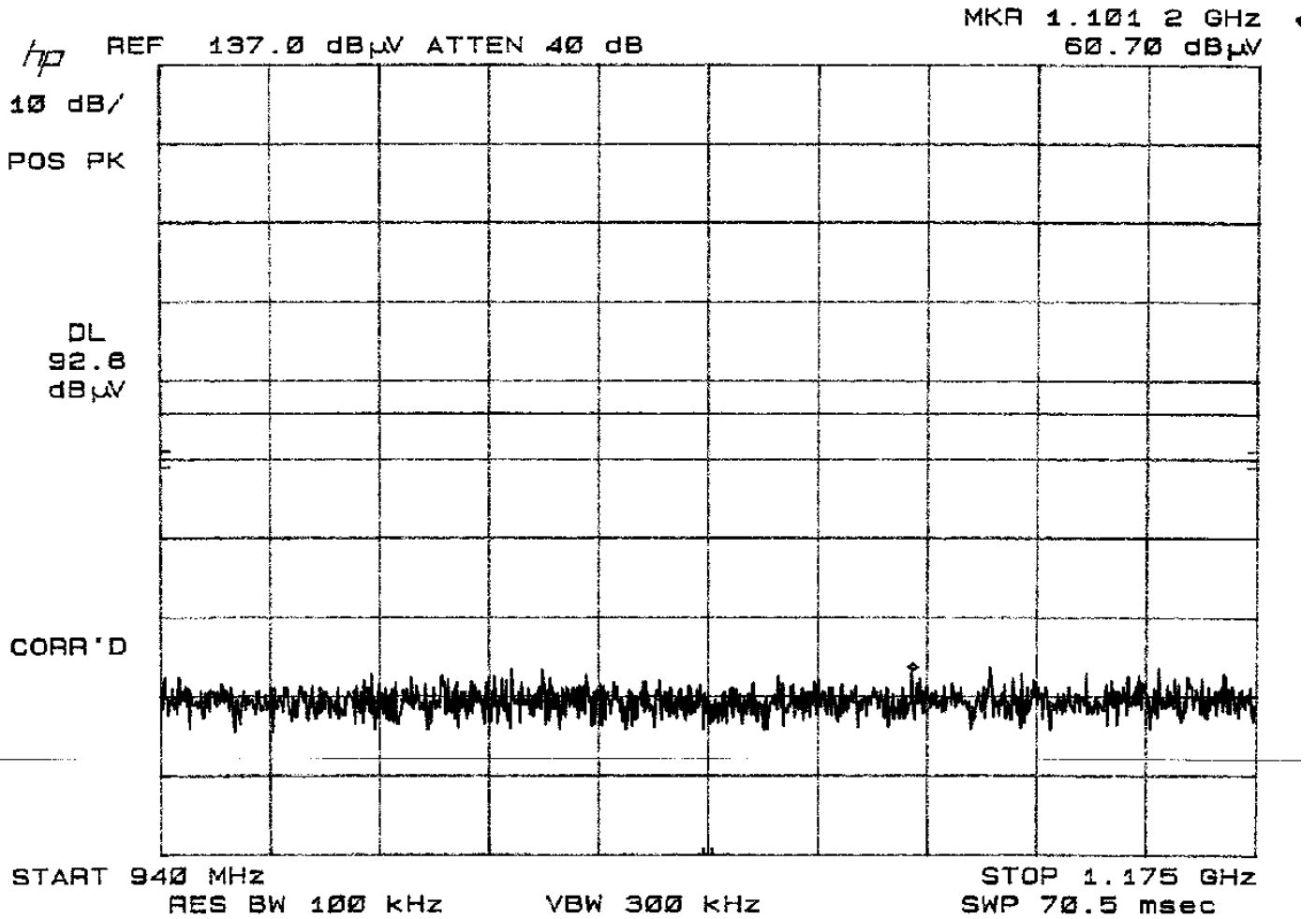
DEC. 20, 2001
AAL *h*



SC-107952
HM Electronics, Inc.

RW800 BASE STATION
2.1051 SPURIOUS EMISSIONS AT ANTENNA TERMINALS

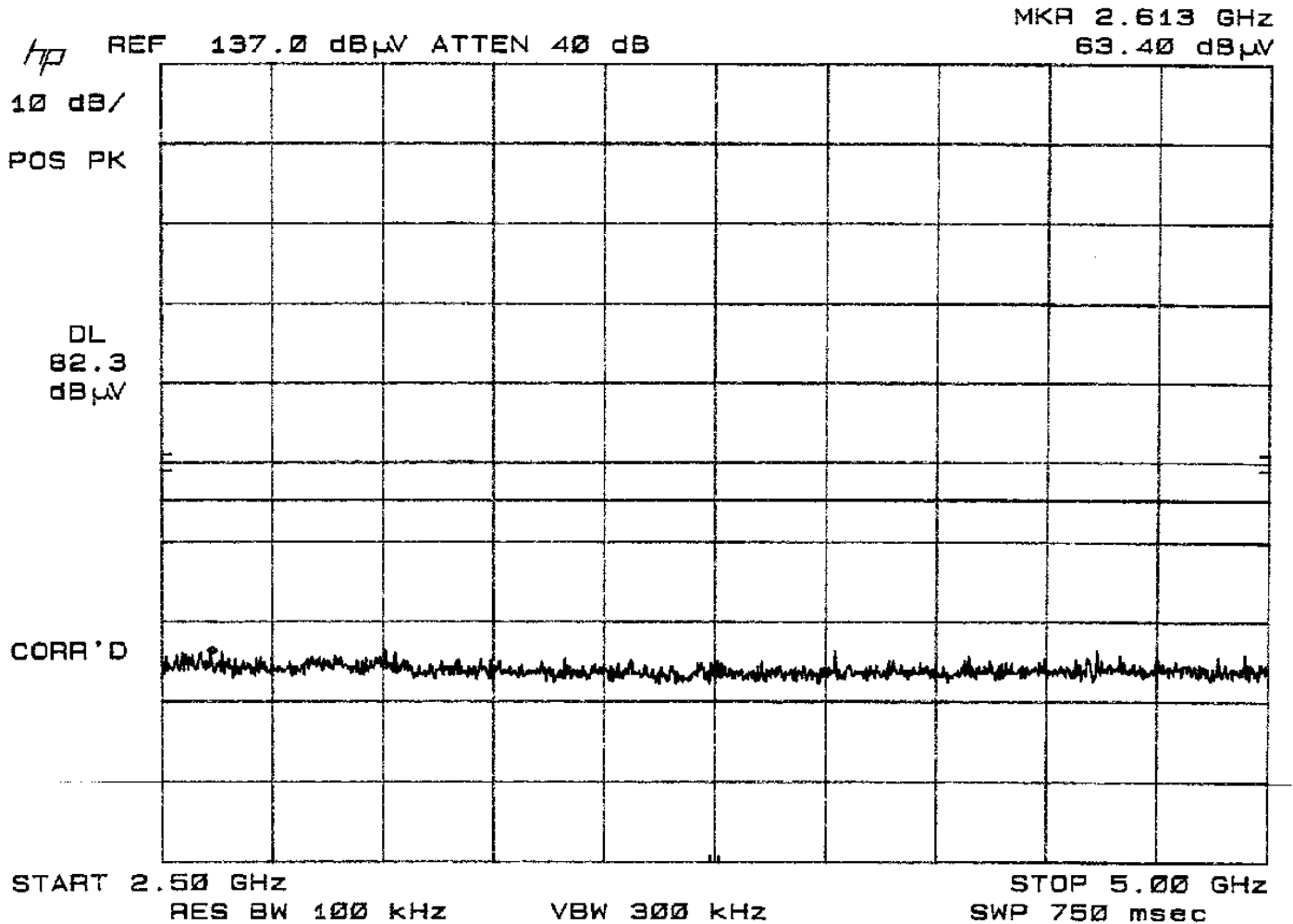
DEC. 20, 2001
AAL *GAZ*



SC-107952
HM Electronics, Inc.

RW800 BASE STATION
2.1051 SPURIOUS EMISSIONS AT ANTENNA TERMINALS

DEC. 20, 2001
AAL *ARK*

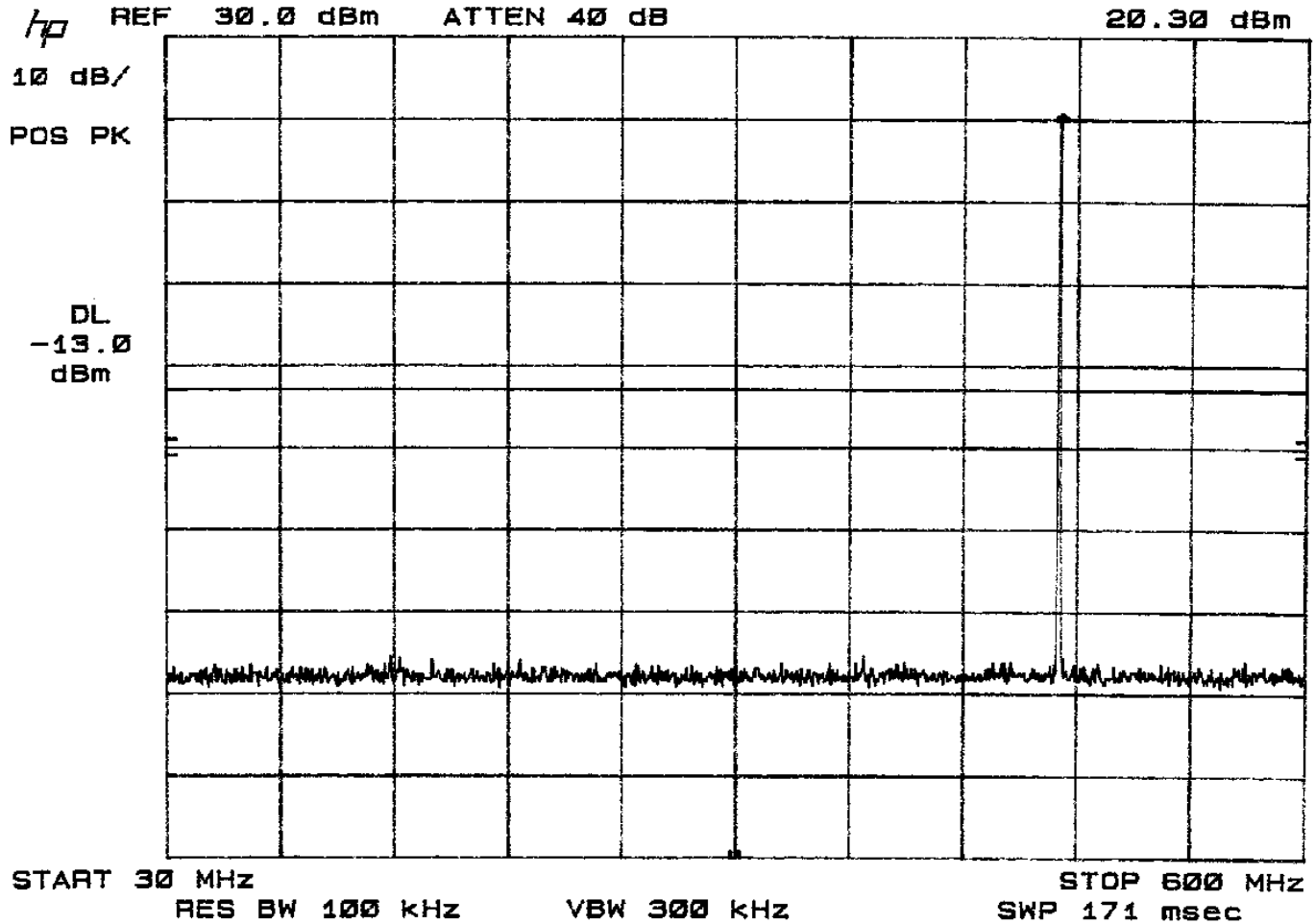


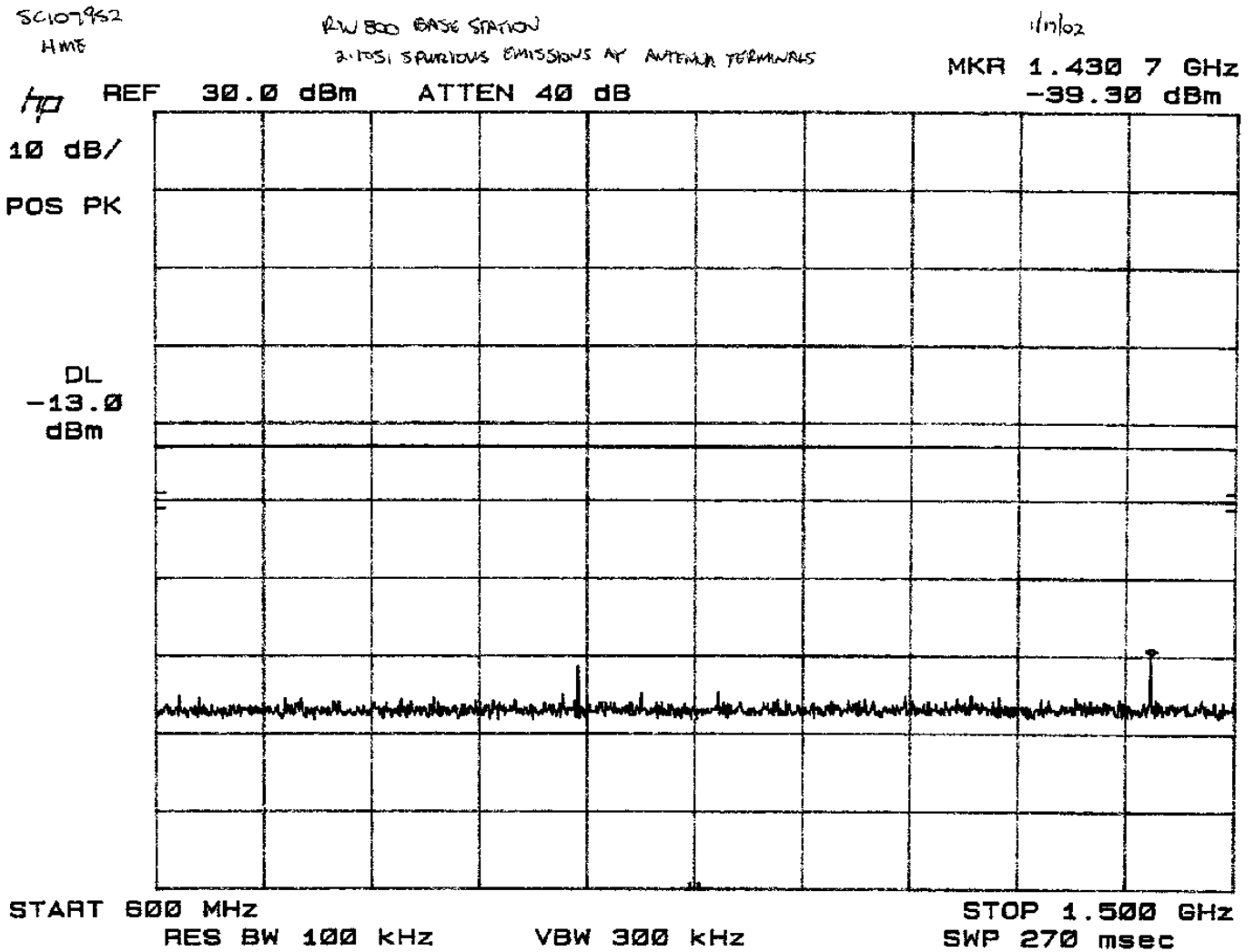
SC107952
NMB

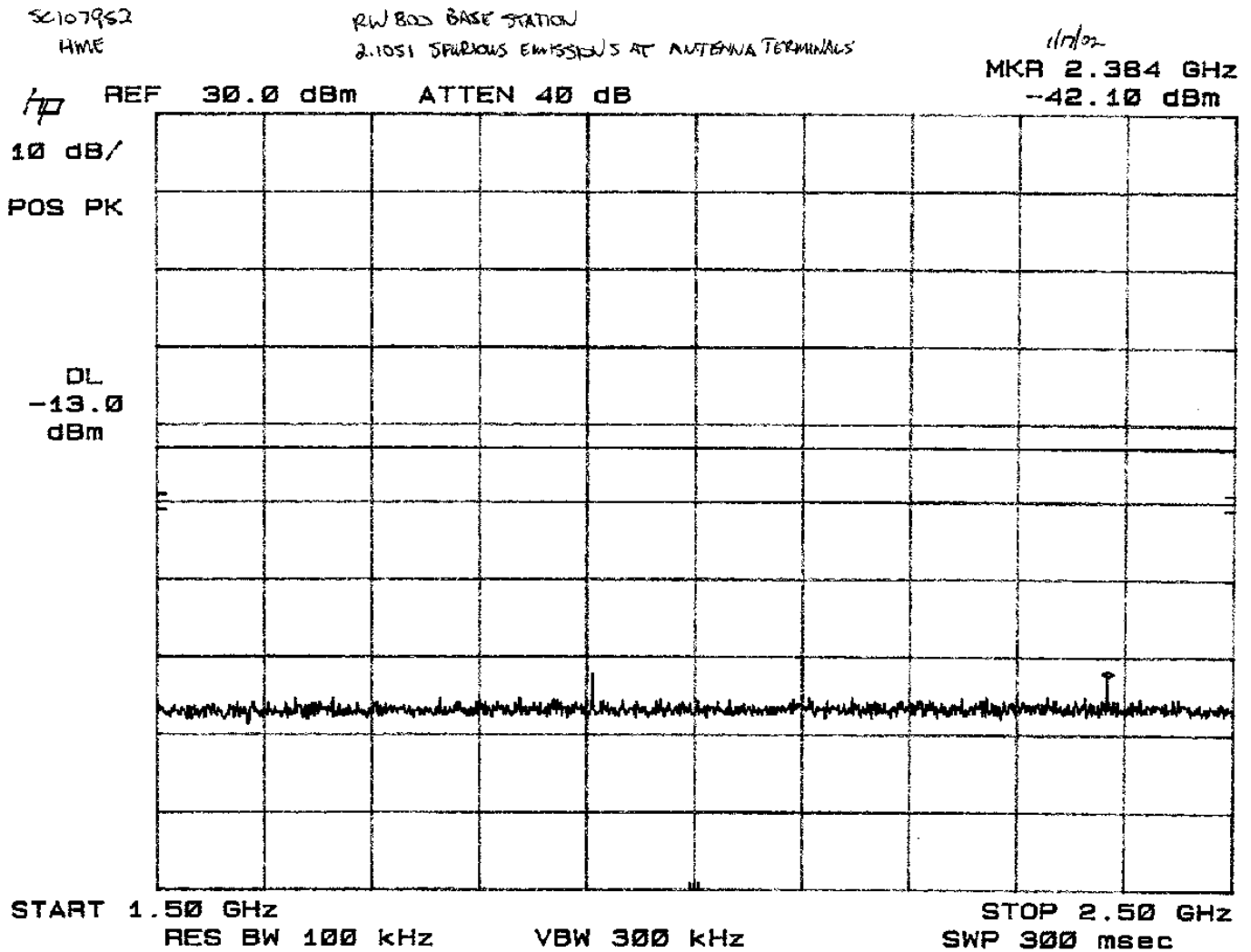
RW800 BASE STATION
2.1051 SPURIOUS EMISSIONS AT ANTENNA TERMINALS

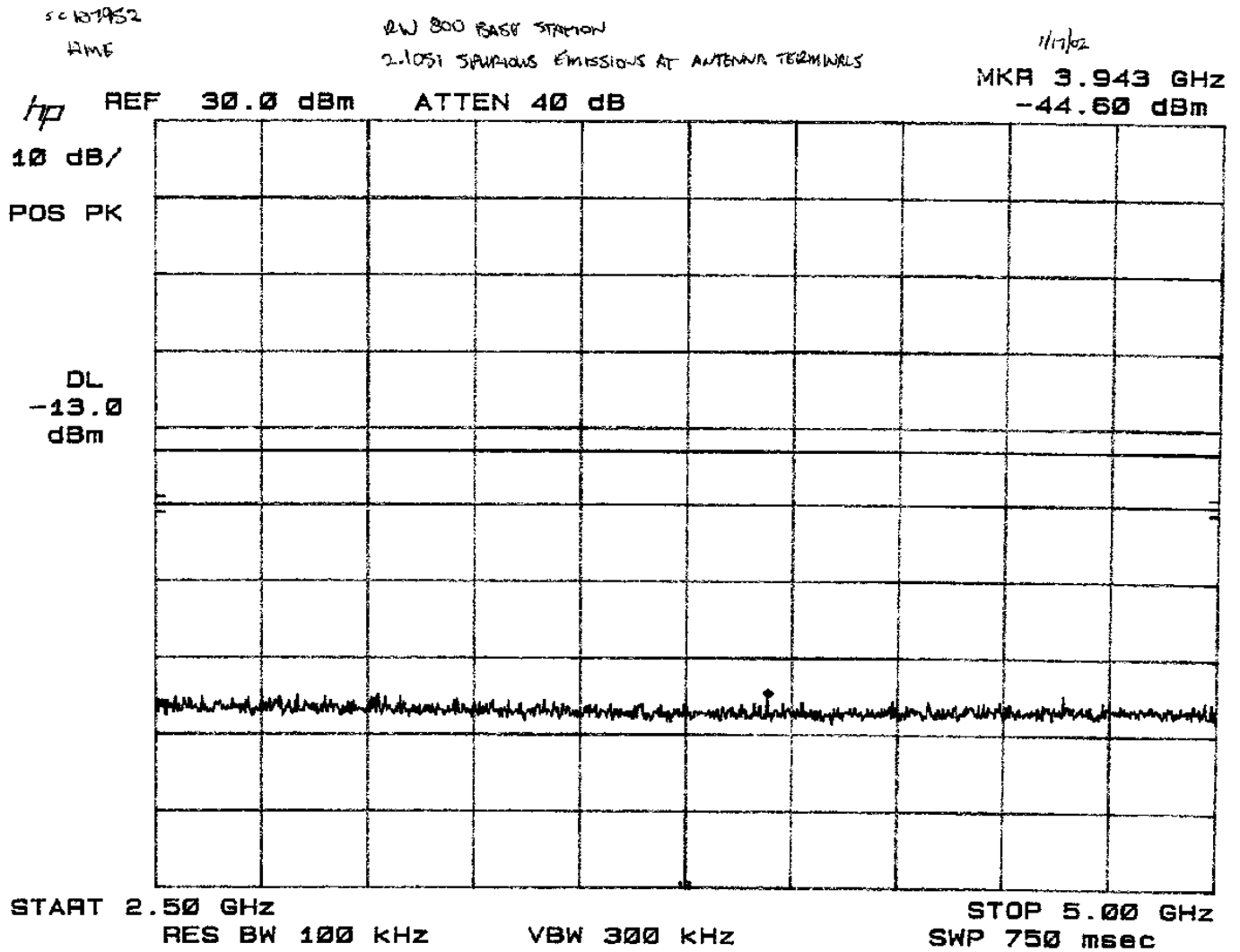
11762

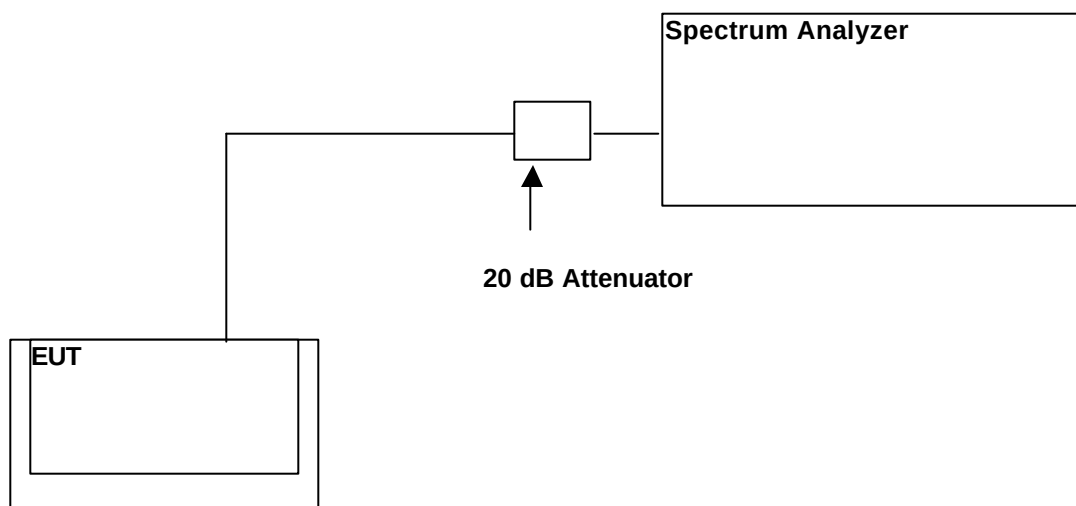
MKR 477.5 MHz
20.30 dBm











RADIATED SPURIOUS EMISSION DATA/EQUIPMENT, FCC Part 2, Paragraph 2.1053
See photo for test setup.

Report No. SC107952

Test Conditions: FCC 76.861

Photos taken? ☒ Yes

- ☒ SR 2, Shielded Room, 12' x 24' x 10', Metal Chamber
☒ Canyon 2, Open Site ☒ 3 meter ☐ 10 meter

Test Equipment Used:

Model Number	Prop. #	Description	Manufacturer	Serial No.	Cal. Date	21046	21047	21049	21051	21055	21053
hp8586B	721	Spectrum Analyzer	Hewlett Packard	2542A12099	8/21/02						
ESVS20	427	EMI Receiver	Rohde & Schwarz	830350/006	12/8/02						
hp3314A	133	Signal Generator	Hewlett Packard	2151A03391	4/3/02						
PreAmp 2-20 GHZ	719	PreAmp	TUV Product Service	719	3/26/02						
3115	453	Antenna, Horn	Electro Mechanics Co	5412-4364	12/1/03						
LPB2520/A	739	Antenna	Antenna Research	1170	3/21/02						

REPORT No:	SC107952	TESTER:	Alan Laudani	SPEC:	FCC 74.861 (e) 6.iii <i>FCC 2.1053</i>
CUSTOMER:	HM Electronics, Inc.			TEST DIST:	3 Meters
E U T:	RW800 Base Station			TEST SITE:	Canyon 2
EUT MODE:	Transmit			BICONICAL:	N/A
DATE:	Dec. 14, 2001	ERP/EIRP	Fact 7	LOG:	N/A
NOTES:				HORN:	453

above 1GHz: RBW & VBW 1 MHz for Pk; RBW 1MHz and VBW 10Hz for AVG
below 1GHz: RBW & VBW 100 kHz for Pk; RBW 100kHz and VBW 10Hz for AVG
CF = Antenna Factor + Cable Loss - Preamplifier Gain + Preselector Loss

[illegible]

REPORT No: SC 107952 TESTER: Alan Laudani

SPEC: FCC 74.861 (e) 6.iii

CUSTOMER: HM Electronics

TEST DIST: 3 Meters

E U T: **RW800 Base Station**

TEST SITE: Canyon 2

EUT MODE: Transmit

BICONICAL: 739

DATE: Dec. 14, 2001 ERP/EIRP Factor 7

LOG: 739

NOTES:

HORN: NONE

above 1GHz: RBW & VBW 1 MHz for Pk; RBW 1MHz and VBW 10Hz for AVG

below 1GHz: RBW & VBW 100 kHz for Pk; RBW 100kHz and VBW 10Hz for AVG

$$CF = \text{Antenna Factor} + \text{Cable Loss} - \text{Preamplifier Gain} + \text{Preselector Loss}$$
[illegible]

7.1 Field Strength Calculation

If a preamplifier was used during the Radiated Emission Testing, it is required that the amplifier gain must be subtracted from the Spectrum Analyzer (Meter) Reading. In addition, a correction factor for the antenna, cable used and a distance factor, if any, must be applied to the Meter Reading before a true field strength reading can be obtained. In the automatic measurement, these considerations are automatically presented as a part of the print out. In the case of manual measurements and for greater efficiency and convenience, instead of using these correlation factors for each meter reading, the specification limit was modified to reflect these correlation factors at each frequency value so that the meter readings can be compared directly to the modified specification limit. This modified specification limit is referred to as the "Corrected Meter Reading Limit" or simply the CMRL, which is the actual field strength present at the antenna. The quantity can be derived in the following manner:

$$\text{Corrected Meter Reading Limit (CMRL)} = \text{SAR} + \text{AF} + \text{CL} - \text{AG} - \text{DC}$$

Where, SAR = Spectrum Analyzer Reading

AF = Antenna Factor

CL = Cable Loss

AG = Amplifier Gain (if any)

DC = Distance Correction (if any)

Assume the following situation: A meter reading of 29.4 dBuV was obtained from a Class A computing device measured at 83 MHz. Assume an antenna factor of 9.2 dB, a cable loss of 1.4 dB and amplifier gain of 20.0 dB at 83 MHz. The final field strength would be determined as follows:

$$\text{CMRL} = 29.4 \text{ dBuV} + 9.2 \text{ dB} - 1.4 \text{ dB} - 20 \text{ dB/M} - 0.0 \text{ dB}$$

$$\text{CMRL} = 20.0 \text{ dBuV/M}$$

This result is well below the FCC and CSA Class A limit of 29.5 dBuV/m at 83 MHz.

For the manual mode of measurement, a table of corrected meter reading limit was used to permit immediate comparison of the meter reading to determine if the measure emission amplitude exceeded the specification limit at that specific frequency.

8 FREQUENCY STABILITY, FCC Part 2, Paragraph 2.1051

Report No. SC107952

Test Conditions: FCC 76.861

Photos taken? ☒ Yes

- ☒ SR 2, Shielded Room, 12' x 24' x 10', Metal Chamber
☒ Canyon 2, Open Site ☒ 3 meter ☐ 10 meter

Test Equipment Used:

Model Number	Prop. #	Description	Manufacturer	Serial No.	Cal. Date	21046	21047	21049	21051	21055	21053
hp8586B	721	Spectrum Analyzer	Hewlett Packard	2542A12099	8/21/02						
ESVS20	427	EMI Receiver	Rohde & Schwarz	830350/006	12/8/02						
hp3314A	133	Signal Generator	Hewlett Packard	2151A03391	4/3/02						
PreAmp 2-20 GHZ	719	PreAmp	TUV Product Service	719	3/26/02						
3115	453	Antenna, Horn	Electro Mechanics Co	5412-4364	12/1/03						
LPB2520/A	739	Antenna	Antenna Research	1170	3/21/02						

FREQUENCY STABILITY

Test Report #: SC-107952 Test Area: TR-2
 Test Method: FCC PART 2.1055 Date: 19 DEC 2001
FCC PART 74.861(2) 4 EUT POWER:
☐ 230 Vac/50 Hz ☒ 120 Vac/60 Hz
 EUT Model #: RW800 ☐ Other:
 EUT Description: BASE STATION
 NOTES: NORMAL TRANSMIT MODE
LIMIT = 0.005 %



Temperature: 25 °C
 Air Pressure: 100.0 kPa
 Relative Humidity: 36 %

TEST LEVEL FREQ. MHz	DURATION	FREQUENCY %	TEMP °C	COMPLIES		REMARKS
				YES	NO	
549750	30 MIN	0	+25	✓		STABILIZED AT ROOM TEMP
092860	60 MIN	0.00147	-30	✓		SOAK
093400	1 MIN	0.00135		✓		TURN ON AFTER SOAK
093720	2 MIN	0.00128		✓		
094370	5	0.00114	↓	✓		
094800	10	0.00105	-30	✓		
096280	10	0.00094	-20	✓		SOAK
096370	1	0.00092		✓		
096680	2	0.00085		✓		
097150	5	0.00055	↓	✓		
097200	10	0.00052	-20	✓		
097960	10	0.00038	-10	✓		SOAK
098070	1	0.00036		✓		
098220	2	0.00033		✓		
098300	5	0.00031	↓	✓		
098450	10	0.00028	-10	✓		
098830	10	0.00020	0	✓		SOAK
098870	1	0.00019		✓		
098890	2	0.00018		✓		
099010	5	0.00016	↓	✓		
099120	10	0.00013	0	✓		
099310	10	0.00009	+10	✓		SOAK
099360	1	0.00008		✓		
099380	2	0.00008		✓		
099440	5	0.00007	↓	✓		

Tested By: DAVID BERNARDIN
 Printed

David Bernardin
 Signature

Test Report #: SC-107952 Test Area: TR-2
Test Method: FCC Part 2.1055 Date: 19 DEC 2001
FCC PART 24.861(e) 4 EUT POWER:
EUT Model #: RW800 ☐ 230 Vac/50 Hz ☒ 120 Vac/60 Hz
☐ Other: _____
EUT Description: BASE STATION
NOTES: NORMAL TRANSMIT Mode
Limit = 0.005%



Temperature: 25 °C
Air Pressure: 100.0 kPa
Relative Humidity: 36 %
2af2

[illegible]


Signature

Test Report #: SC-107952 Test Area: TR2
Test Method: FCC PART 2.1055 Date: 14 Dec, 2001
FCC PART 74.861(E)4
EUT Model #: RW800 EUT POWER:
☐ 230 Vac/50 Hz ☐ 120 Vac/60 Hz
☒ Other: Variable Vdc PS
EUT Description: BASE STATION
NOTES: Normal Transmit Mode



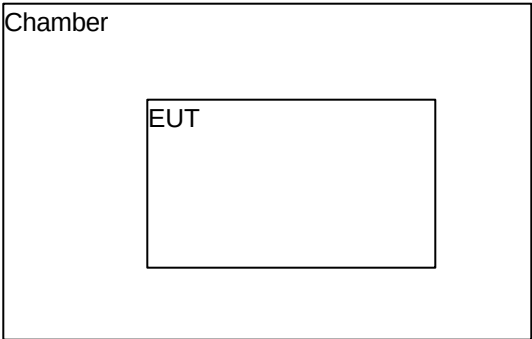
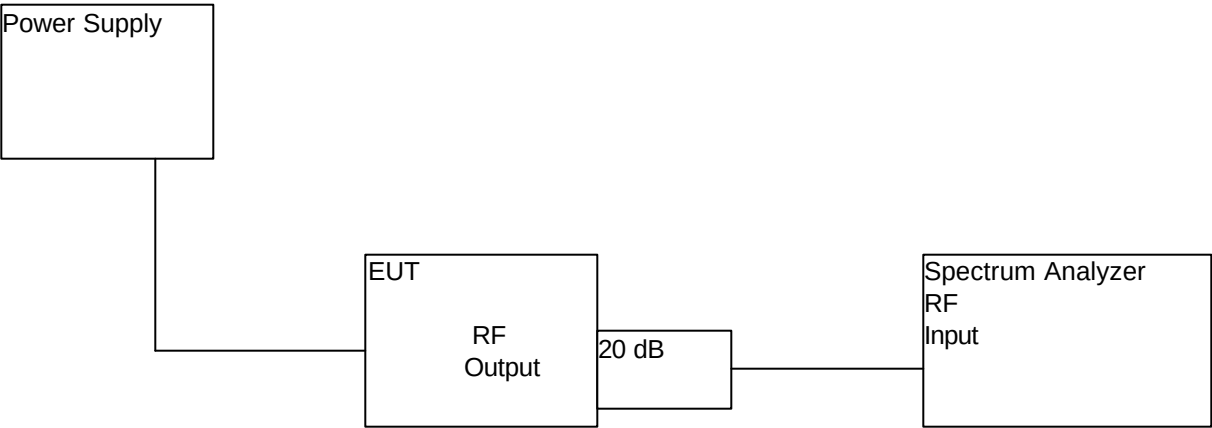
Temperature: 22.2 °C
Air Pressure: 100.1 kPa
Relative Humidity: 44 %

NOTES: Normal Transmit Mode

Limit = 0.005% RBW = 10 kHz VBW = 30 kHz

[illegible]

A. Pandani
Signature



9 ATTESTATION STATEMENT

All tests according to *FCC Part 2, Paragraphs 2.1046, 2.1047, 2.1049, 2.1051, 2.1053, 2.1055; and Part 74, Paragraph 74.861(e)* were

☒ - Performed

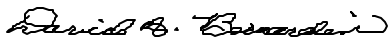
☐ - **Not** Performed

The Equipment Under Test

☒ - **Fulfills** the *FCC Part 2, Paragraphs 2.1046, 2.1047, 2.1049, 2.1051, 2.1053, 2.1055; and Part 74, Paragraph 74.861(e)* requirements.

- TÜV PRODUCT SERVICE, INC. -

Responsible Engineer:

A handwritten signature in black ink, appearing to read "David B. Bernardin".

Dave Bernardin (EMC Engineer)