

13 March 2001

To: Mary Washington
From: Seth Schlam, HM Electronics Sustaining Engineering
Subject: Transmit power measurements on System 400 Base Station

Mary,

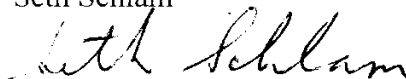
In response to the request from Frank Coperich at the FCC, HME has taken transmit power measurements on the System 400 Base Station, FCC ID: BYM400. The power measurements were taken by myself, Seth Schlam, HM Electronics Sustaining Engineer. Two base stations were measured on 7 March 2001. The readings were as follows:

- 1) Base BYM400, Serial Number 40B01002, Transmit Power was 100 mW.
- 2) Base BYM400, Serial Number 38B00652, Transmit Power was 96 mW.

The measurements were made on an HP 8920 RF communications test set. The attached figure shows the test set up. Below the figure there is the calibration information on the HP8920 test set. I have also included the Certificate of Calibration of the test set.

I attest that the above information is true and correct.

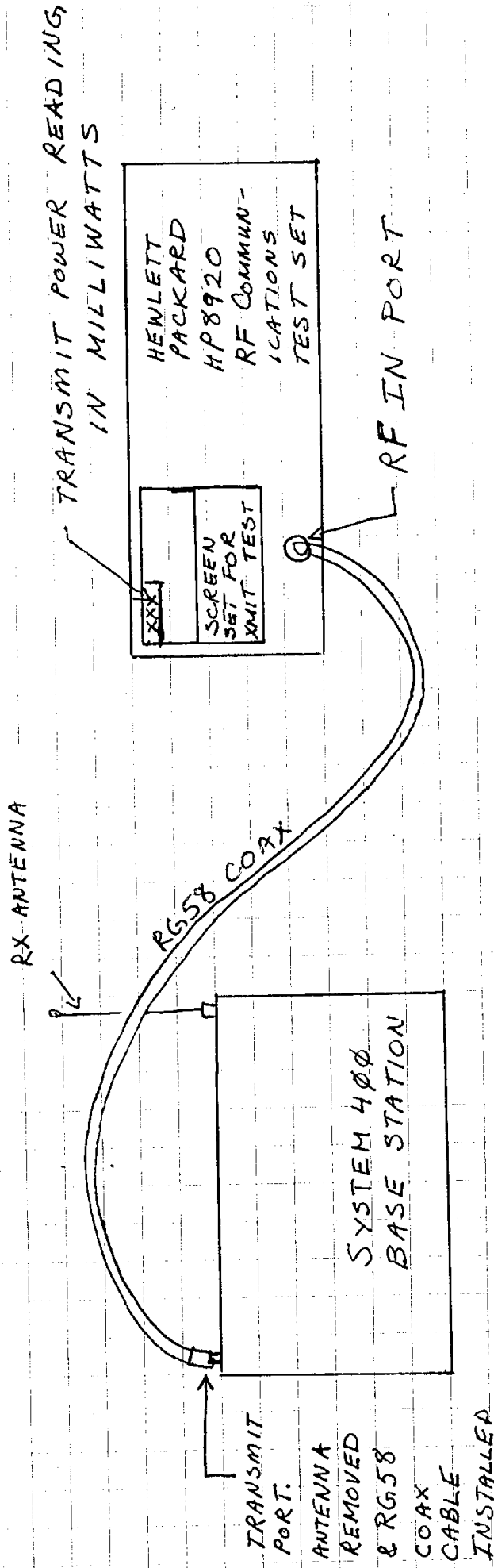
Seth Schlam



HM Electronics Sustaining Engineer.

TRANSMIT POWER MEASUREMENTS ON SYSTEM 400 BASE STATION (FCC ID: BYM 400)

DRAWING OF TEST SETUP:



TEST EQUIPMENT USED: HP8920 RF COMMUNICATIONS TEST SET

SERIAL NUMBER 3417A04689

CALIBRATION DATE 29 Sept 2000

NEXT DUE 30 Sept 2002

CALIBRATION PERFORMED BY: AGILENT TECHNOLOGIES
CY OF CALIBRATION CERTIFICATE ATTACHED

Asset 03423

 Agilent Technologies	U.S. EPSG Service Centers Richardson Branch 1410 E. Renner Road Suite 100 Richardson TX 75082 (800) 403-0801	AGILENT TECHNOLOGIES INTERNAL ASSESSMENT PROGRAM : TMO-Q-07/95
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Certificate of Calibration

Standard Calibration

Certificate No: 2453W620001

Manufacturer: Hewlett-Packard Co.
Model No: 8920A
Serial No: 3417A04689
Customer:

H M ELECTRONICS INC

Description: RF COMMUNICATIONS TEST SET
Options installed:
Customer asset No:
Location of calibration:

U.S. EPSG Service Centers
Richardson Branch
1410 E. Renner Road Suite 100
Richardson TX 75082 (800) 403-0801

Customer PO No.: 11734
Date of calibration: 29 Sep 2000
Temperature: 23 +/- 5 °C
Procedure: A.05.04

Agreement No:
Received date: 28 Sep 2000
Humidity: 20 - 80 %RH

This certifies that the above product was calibrated in compliance with a quality system registered to ISO9002:1994 using applicable Agilent Technologies procedures.

As received conditions:

Initial testing found the equipment to be IN-SPECIFICATION at the points tested.

As shipped conditions:

At the completion of the calibration, measured values were IN-SPECIFICATION at the points tested.

Remarks or special requirements:

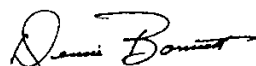
Our calibration procedures are designed to provide measurement uncertainty of less than or equal to one quarter of the specification of the unit under test, where possible, with a coverage factor of 2.

The test limits stated in the report correspond to the published specifications of the equipment, at the points tested.

This certificate is composed of 2 pages containing a summary of calibration information.

Based on the recommended calibration interval, the next calibration is due on 29 Sep 2002

Issue date: 2 Oct 2000



Dennis Bonnett, Americas Delivery Mgr.



Agilent Technologies

U.S. EPSG Service Centers

Richardson Branch

1410 E. Renner Road Suite 100

Richardson TX 75082 (800) 403-0801

AGILENT TECHNOLOGIES
INTERNAL ASSESSMENT
PROGRAM : TMO-Q-07/95

Certificate of Calibration

Standard Calibration

Certificate No: 2453W620001

Traceability information:

Technician ID number: 301969

Traceability is to national standards administered by the U.S. NIST, NRC Canada, Euromet members (NPL, PTB, BNM, etc.) or other recognized standards laboratories.

Some measurements are traceable to natural physical constants, consensus standards or ratio type measurements.

Supporting documentation relative to traceability is available for review by appointment.

This certificate shall not be reproduced, except in full, without prior written approval of the laboratory.

Calibration equipment used:

Model number:	Model description:	Trace number:	Cal due date:	Certificate number:
11715A	AM/FM TEST SOURCE	1171501538	29 Mar 2001	31806549603
11722A	SENSOR MODULE	1172204454	2 Dec 2000	2451H137401
3456A	6 1/2 DIGIT MULTIMETER	3456A00153	18 Feb 2001	2451H340901
5334B	100 MHZ UNIVERSAL COUNTER	5334B11529	7 Apr 2001	31806142001
778D	COAXIAL COUPLER	778D-05344	29 Oct 2000	31805539701
8116A	PULSE/FUNCTION GENERATOR	8116A17046	8 May 2001	2451H307401
8566B	SPECTRUM ANALYZER	8566B05385	12 Dec 2000	31807554546
8663A	SYNTHESIZED SIGNAL GENERATOR	8663A00926	20 Jun 2001	31807554555
8902A	8902A MEASUREMENT RECEIVER	8902A03515	20 Oct 2000	2451G858701
8903B	AUDIO ANALYZER	8903B03099	4 Nov 2000	2451G325101