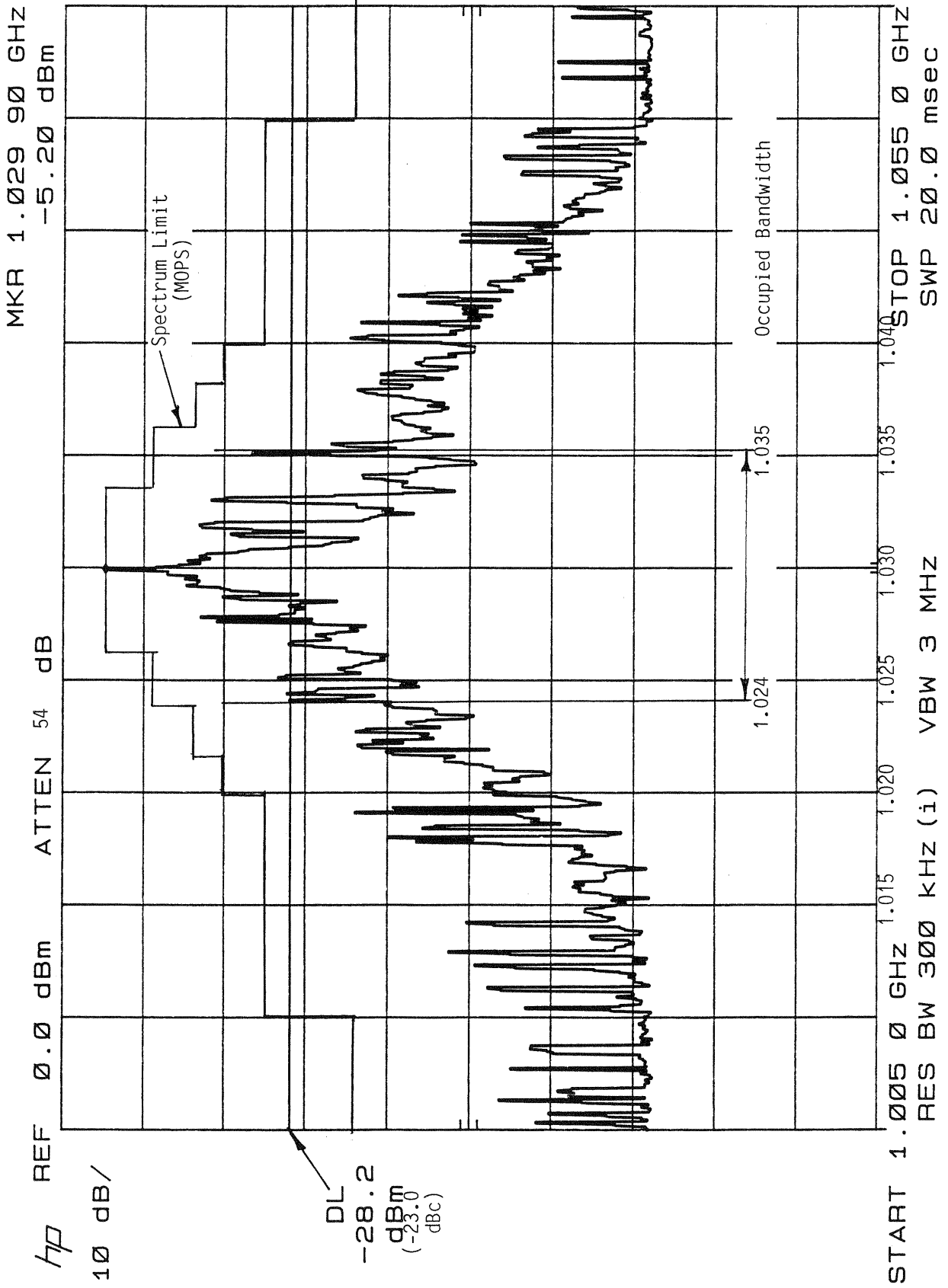
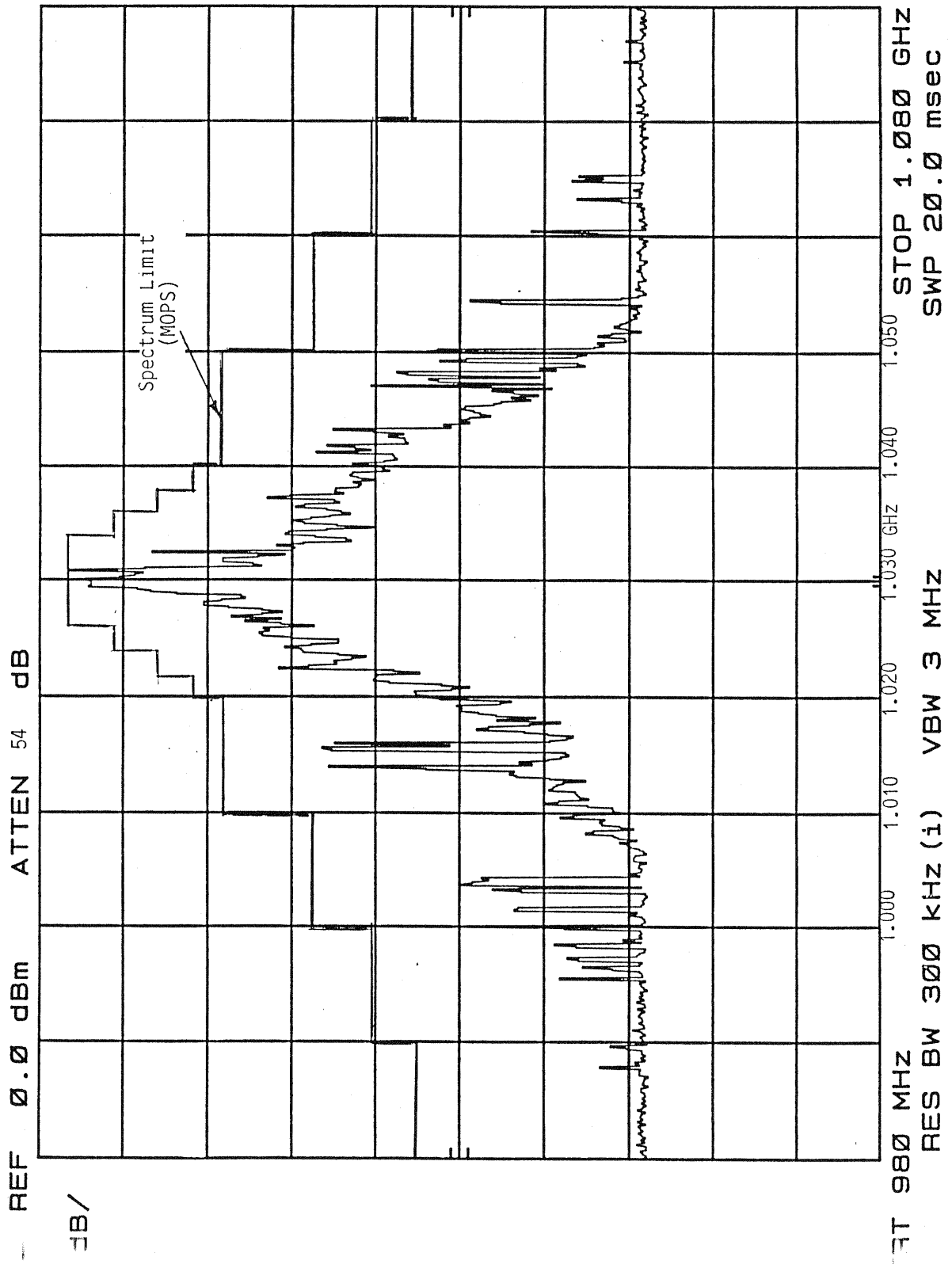


OCCUPIED BANDWIDTH



Output Spectrum, 5 MHz/division



Output Spectrum, 10 MHz/division

SPURIOUS EMISSIONS

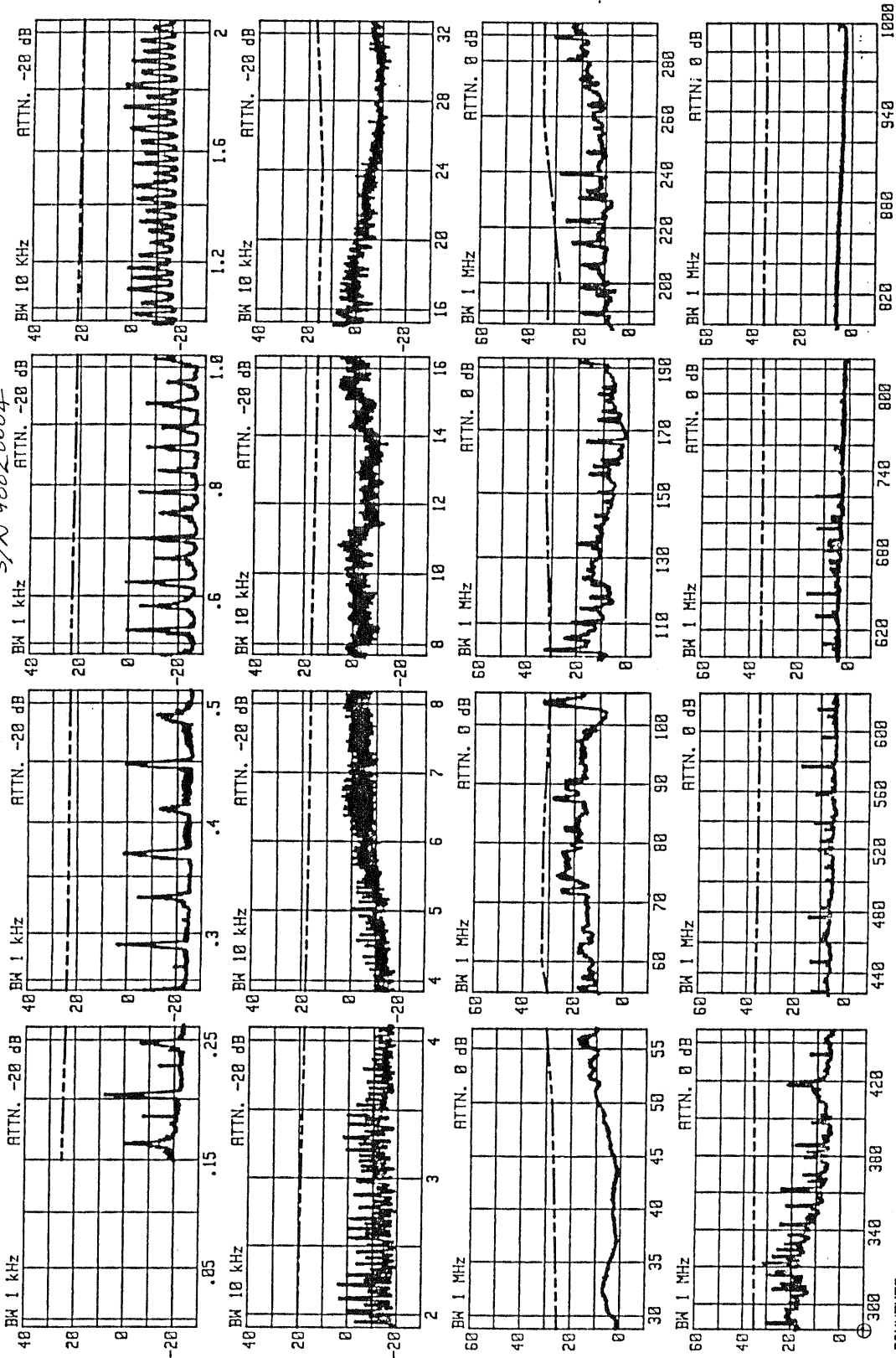
1. Narrowband Radiated Interference 150 kHz to 1 GHz
2. Broadband Radiated Interference 150 kHz to 1 GHz
3. Narrowband Radiated Interference 1 GHz to 1.5 GHz
4. Broadband Radiated Interference 1 kHz to 1.5 GHz
5. TCAS CU Output at Antenna 0 GHz to 1.0 GHz
6. TCAS CU Output at Antenna 1.0 GHz to 2.5 GHz
7. TCAS CU Output at Antenna 2.5 GHz to 11 GHz

Honeywell

Commercial Flight Systems Group / PHOENIX, ARIZONA
DATE: FEB 24 '90 TIME: _____
TECHNICIAN: KERRY
U.U.T.: 4066010 - 901 ENGINEER: C. Conroy
* LIMIT LINE IS CORRECTED FOR TRANSDUCER & CABLE FACTOR
S/N 90020004

RTCA D0160-B NARROWBAND RADIATED INTERFERENCE

DETECTOR : FIELD INTENSITY
SCAN SPEED : 5 MINUTE / BAND
POWER FILTERS : L.I.S.N. FSR-701A
ANTENNAS : 94607-1 (.015->30) 3104 (30->200) 9349B-1 (200->1000)



COMMENTS

Narrowband Radiated Interference 150 kHz to 1.0 GHz

RTCA DO160-B BROADBAND RADIATED INTERFERENCE

DETECTOR : PEAK .05 SECOND HOLD
SCAN SPEED : 1.5 MINUTE / BAND
POWER FILTERS : L.I.S.N FSR-701A
ANTENNAS : 94607-1 (.015->30) 3104 (30->250) 93490-1 (200->1000)

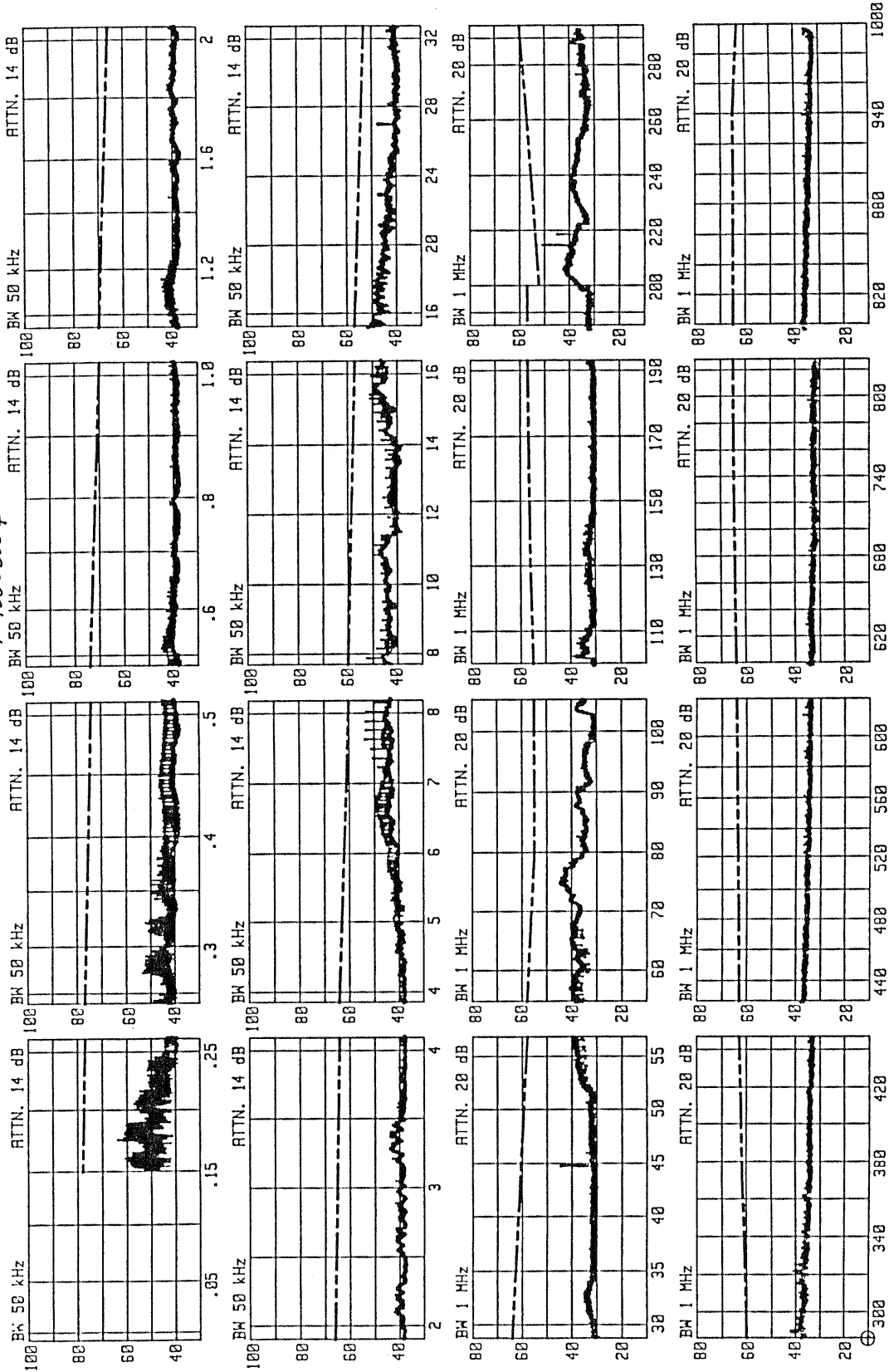
Honeywell

Commercial Flight Systems Group / PHOENIX, ARIZONA

DATE: FEB 24 '90 TIME: TECHNICIAN: KERRY

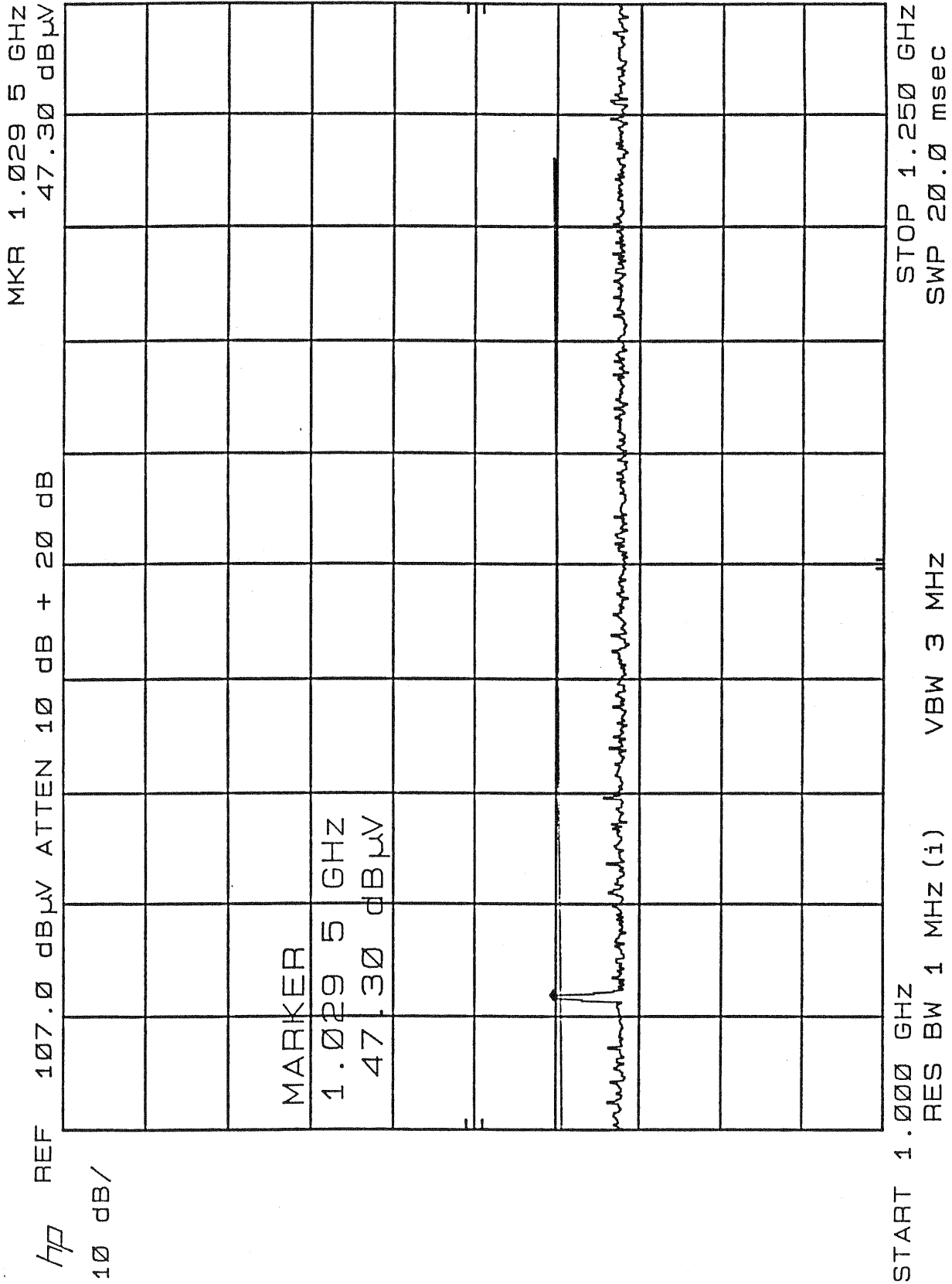
U.U.T.: PH 4066010-901 ENGINEER: C. Coney

* LIMIT LINE IS CORRECTED FOR TRANSDUCER & CABLE FACTOR
S/N 90020004

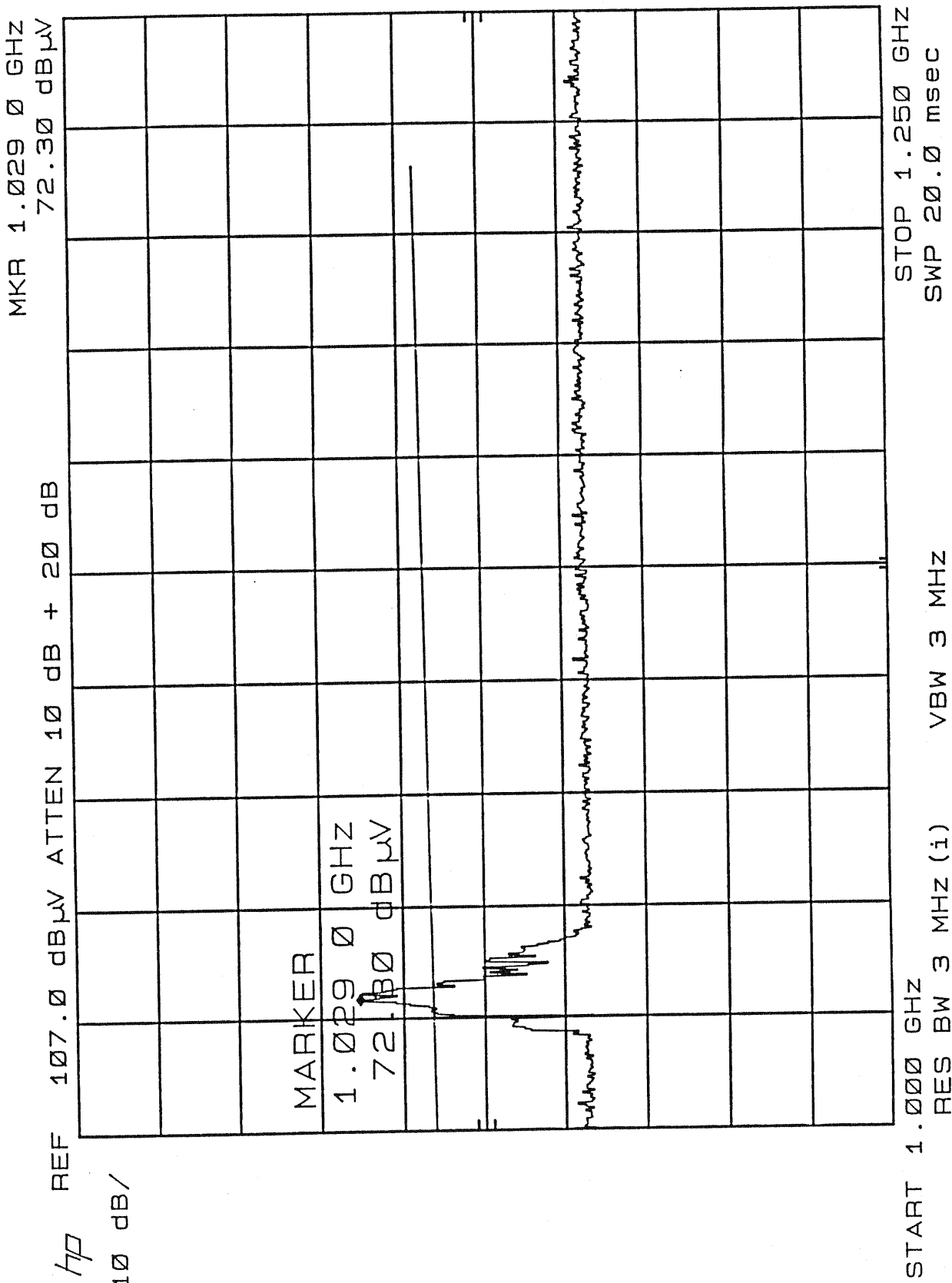


Broadband Radiated Interference 150 kHz to 1.0 GHz

COMMENTS

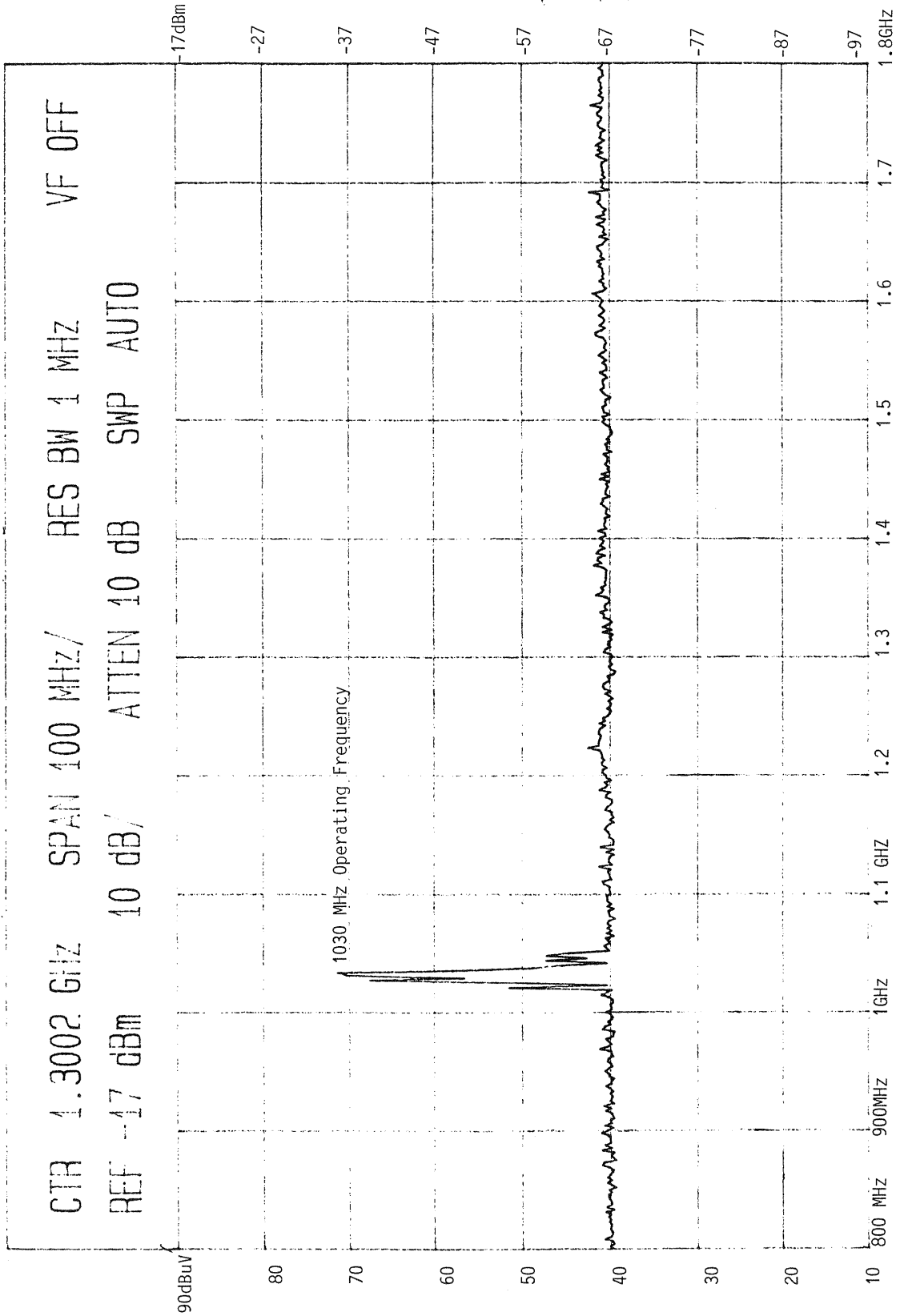


Narrowband Radiated Interference 1.0 GHz to 1.5 GHz



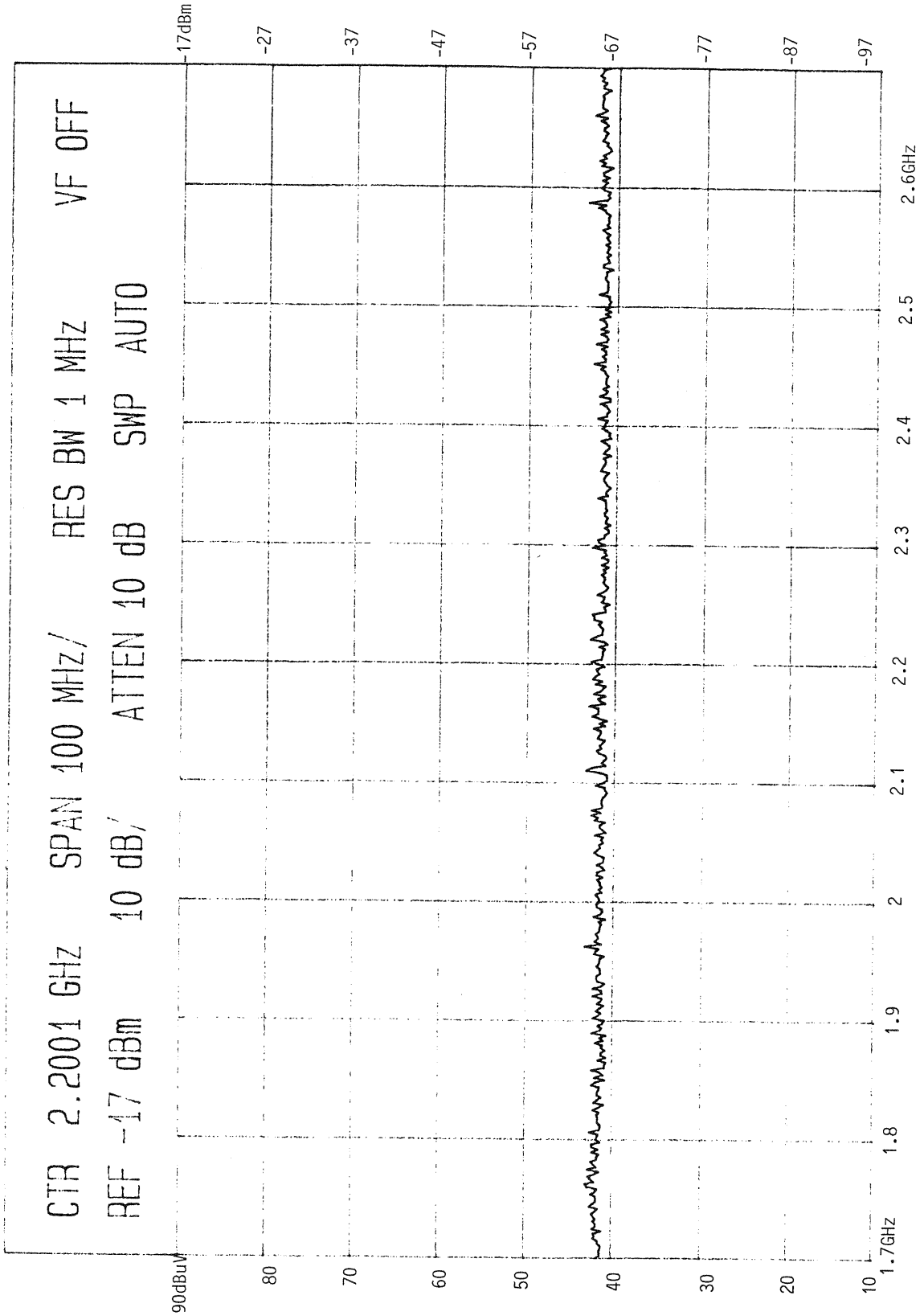
Broadband Radiated Interference 1.0 GHz to 1.5 GHz

910-701 ANTENNA 1G --> 2.5



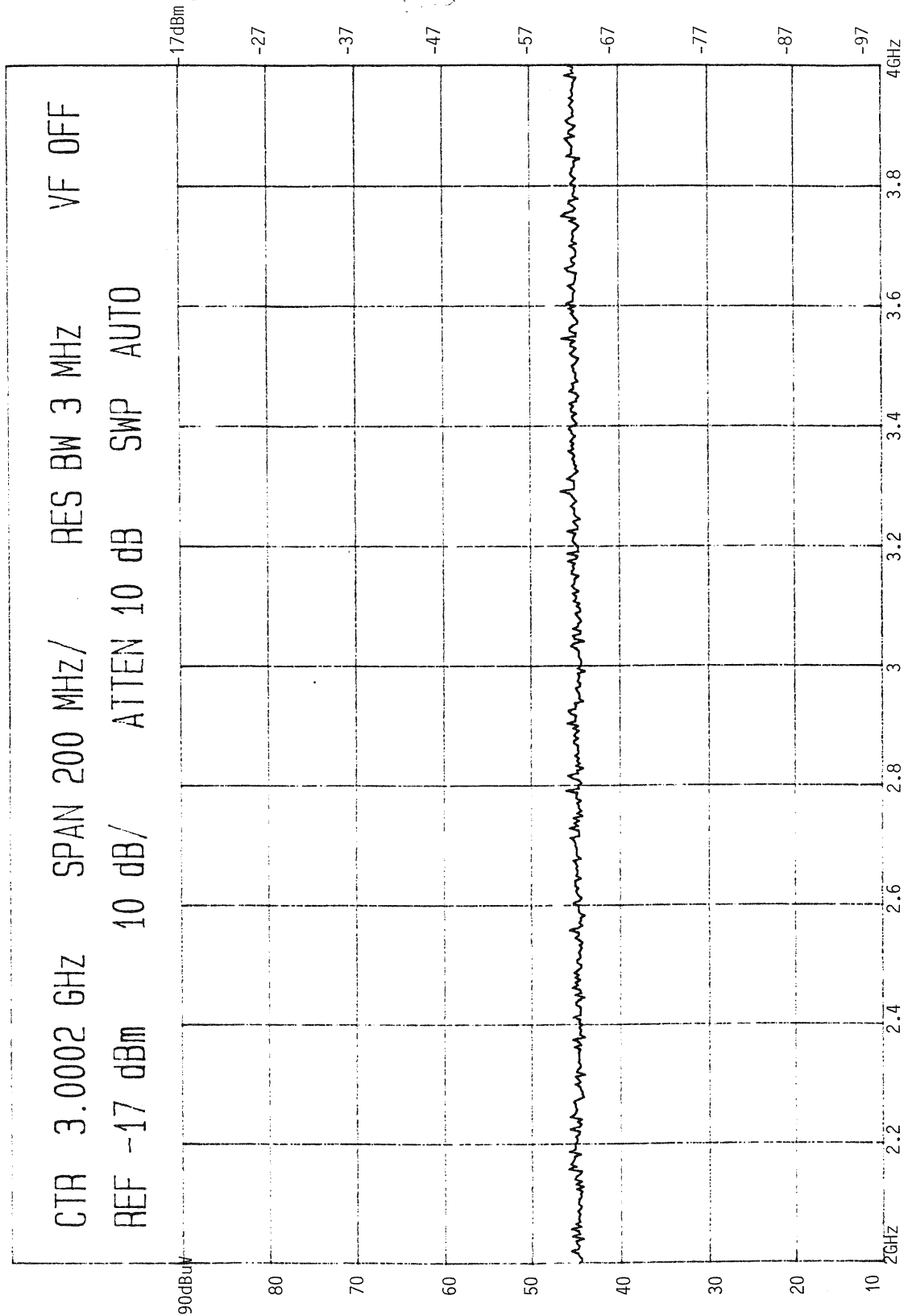
Microwave Interference

910-701 ANTENNA 1G --> 2.5G



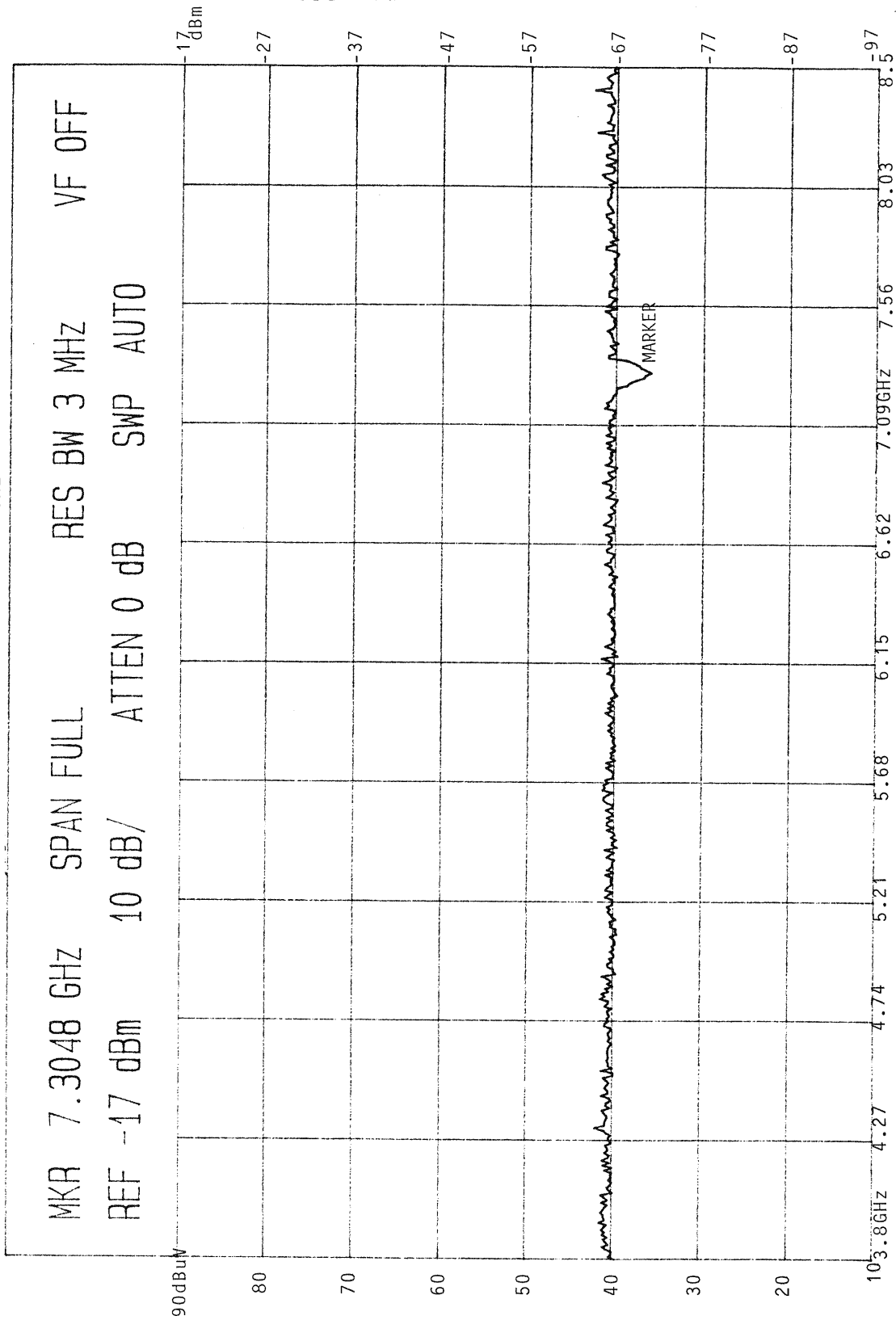
Microwave Interference

901-702 ANTENNA 2.4 --> 4.4



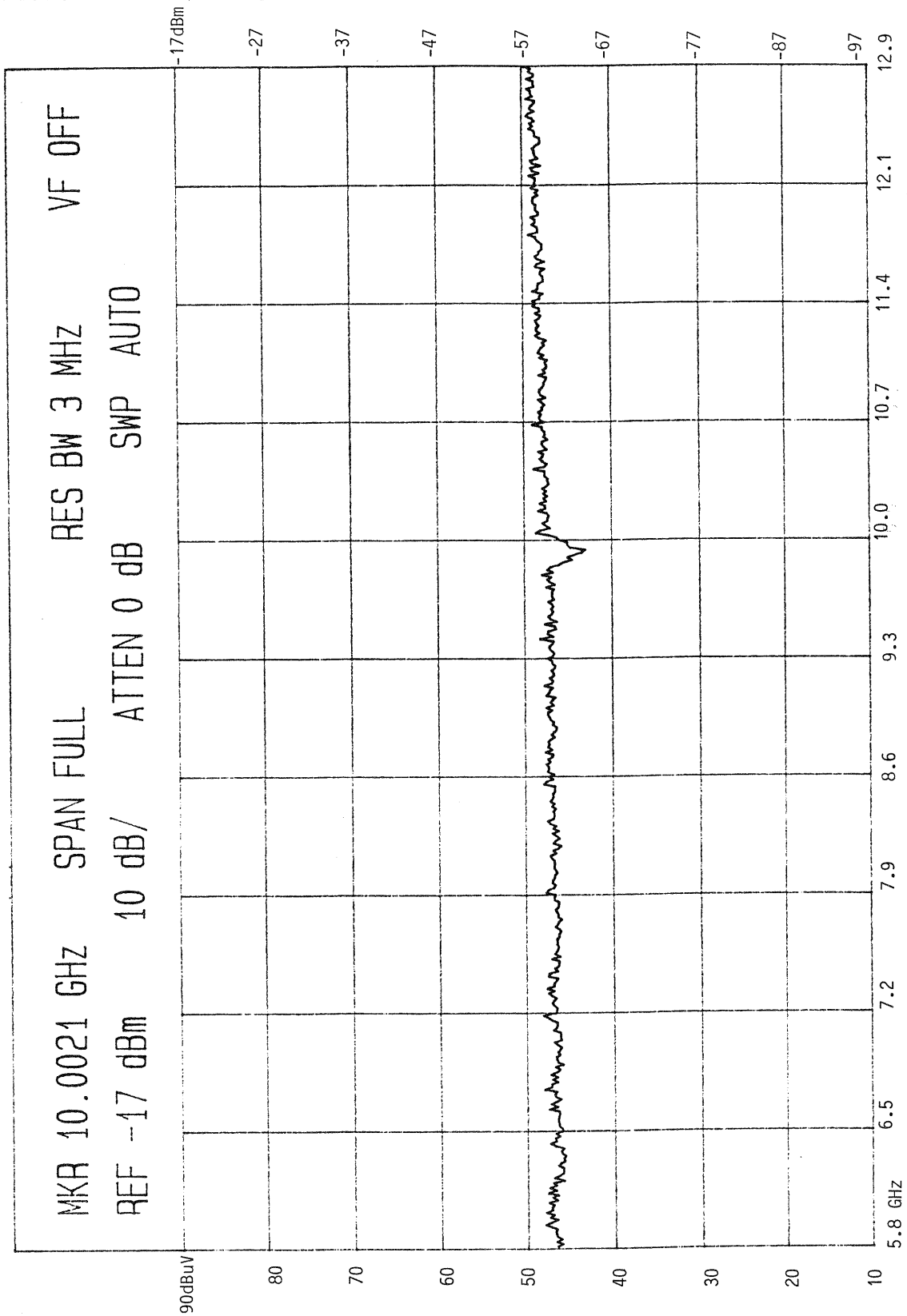
Microwave Interference

910-703 ANTENNA 4.3 --> 7.3 GHz

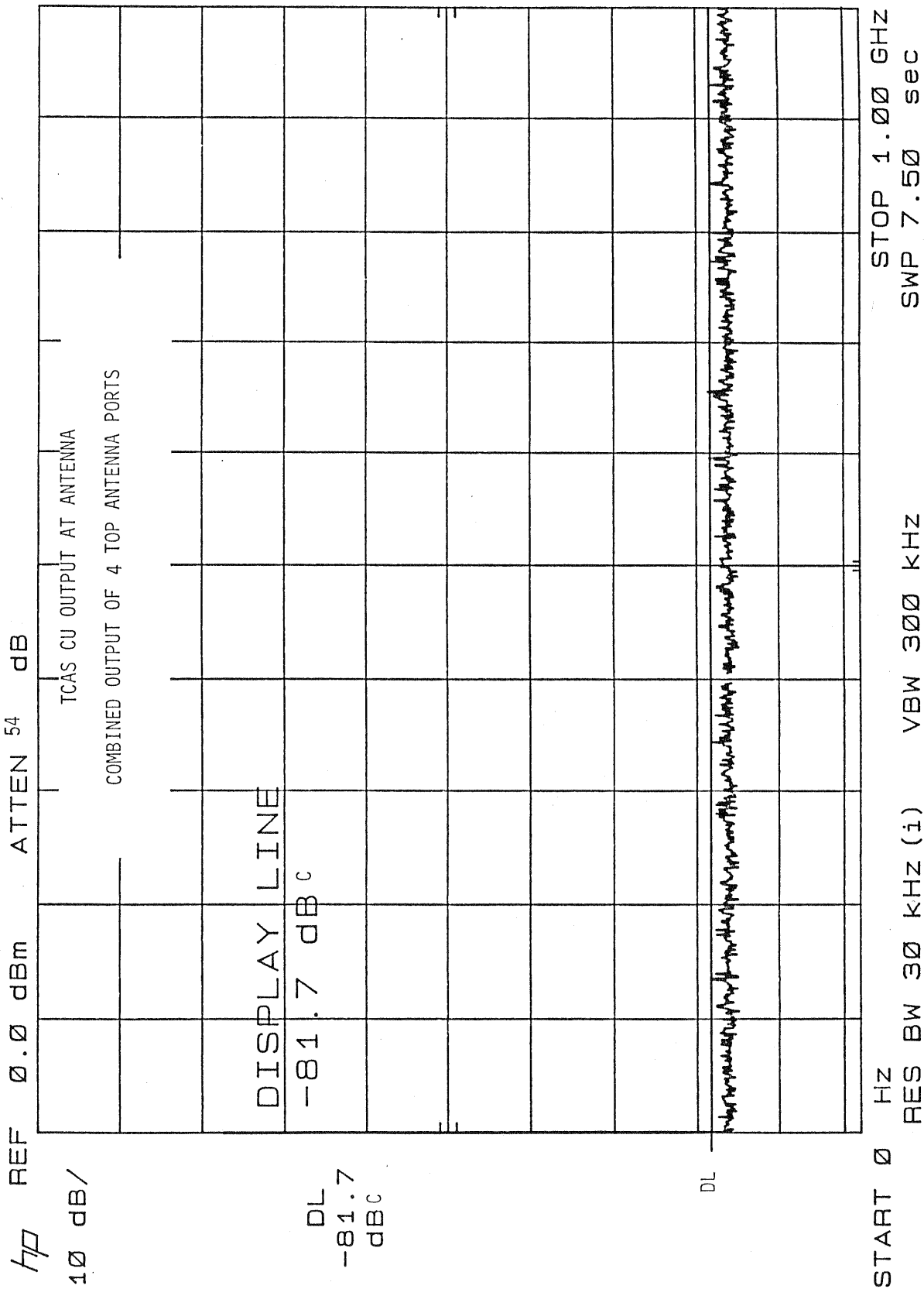


Microwave Interference

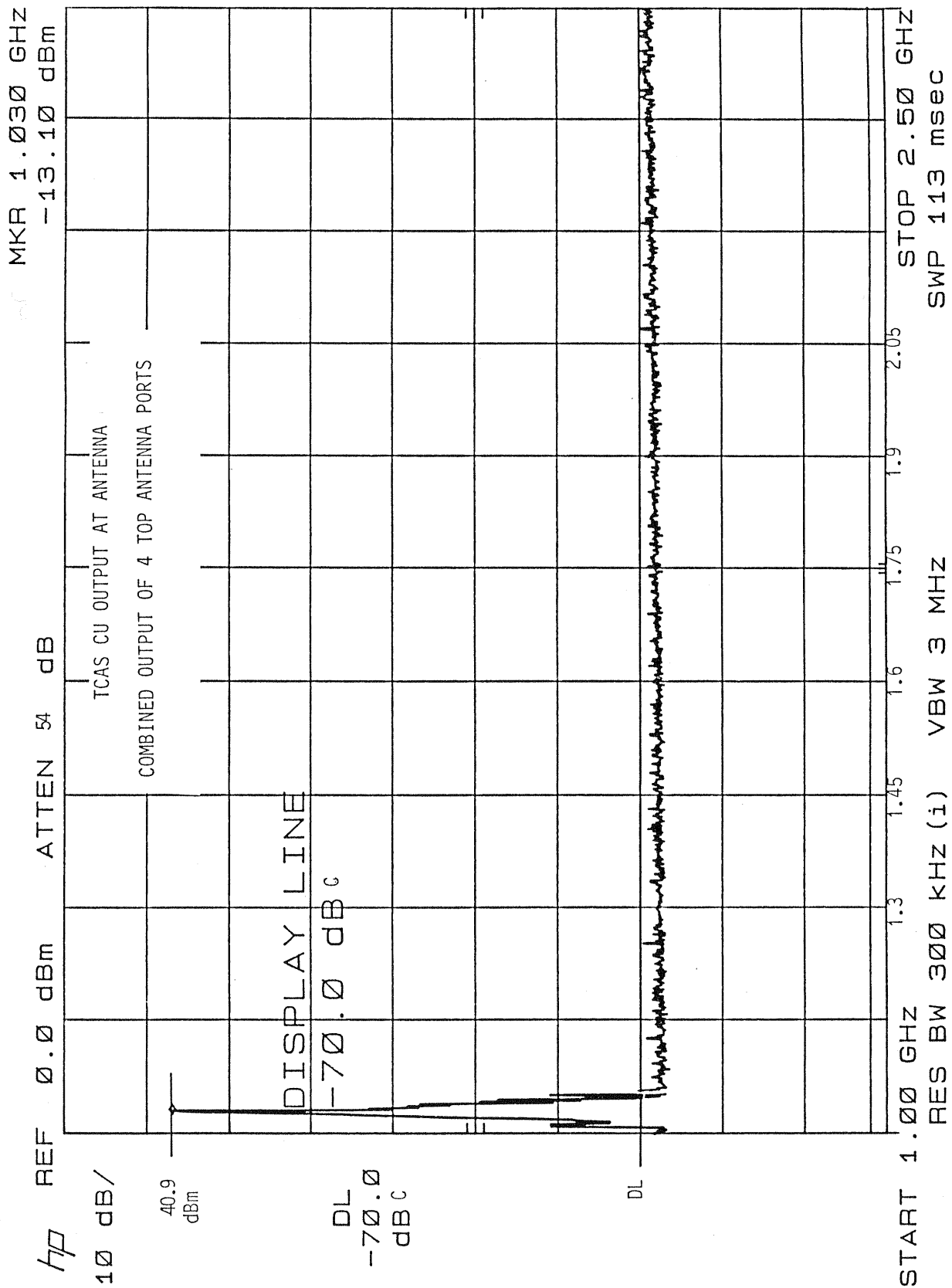
910-704 ANTENNA 7GHz -> 10



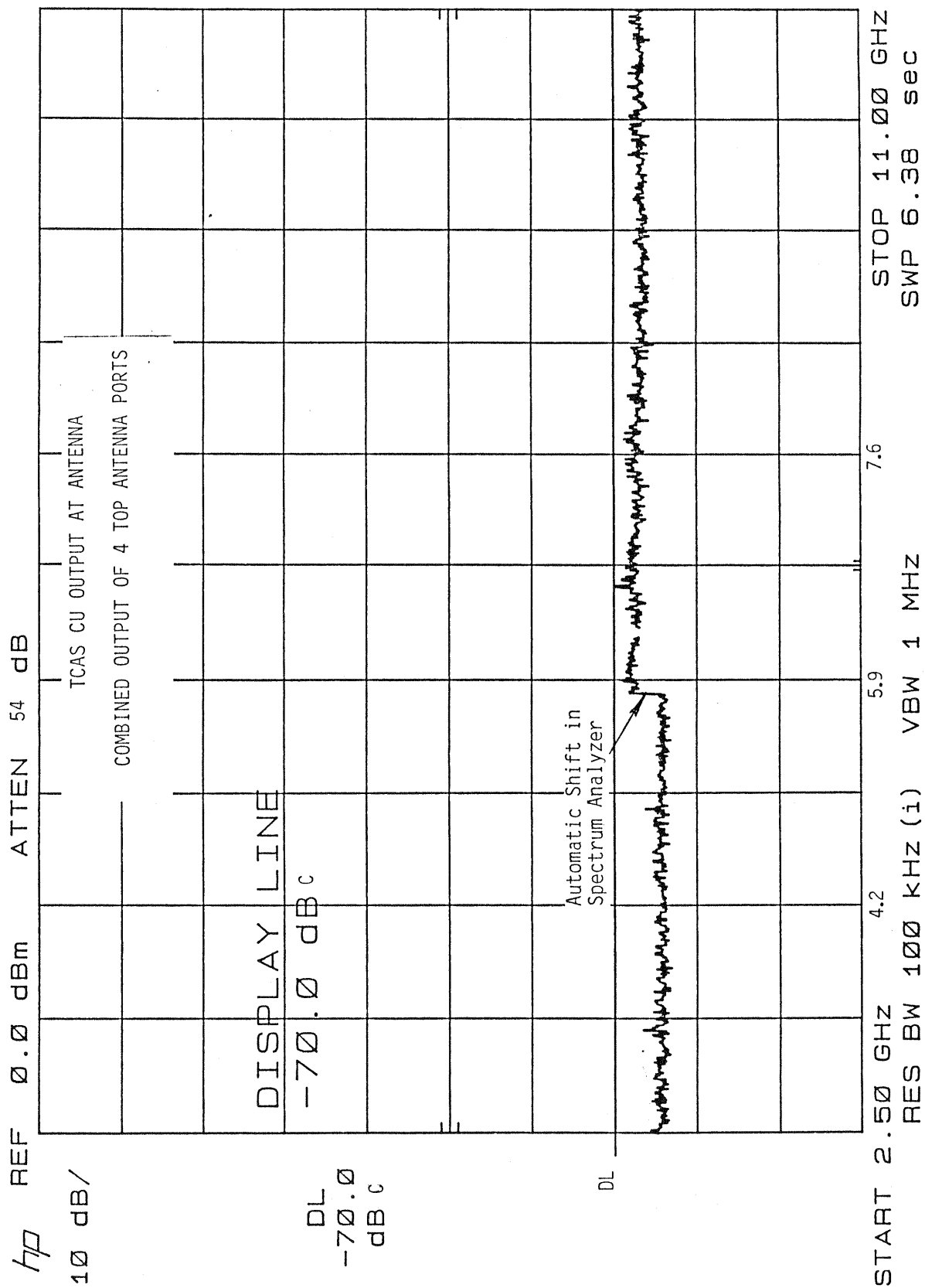
Microwave Interference



TCAS CU Output at Antenna 0 GHz to 1.0 GHz



TCAS CU Output at Antenna 1.0 GHz to 2.5 GHz



TCAS CU Output at Antenna 2.5 GHz to 11 GHz

FREQUENCY STABILITY
POWER OUTPUT

Honeywell TEST DATA SHEET

SPERRY COMMERCIAL FLIGHT SYSTEMS DIVISION
Frequency Stability

TEST SPECIFICATION FCC R & R, 2-995 REV DATE 10-1-87

TEST SOFTWARE REV DATE

UNIT SOFTWARE REV DATE

TEST NOTES

NAME Icas II Computer Unit

P/N 4066010-90 SERIAL 89100005

TEST FIXTURES AND SUPPORT EQUIPMENT

TEST FIXTURE OR EQUIPMENT	MFR	MODEL	ID/SN	CAL DUE DATE
Frequency Counter	EIP	575	SFS 30936	9-28-90
Oscilloscope	Tehtronic	783A	SFS 30429	2-10-90
Peak Power Mtr	HP	8900D	SFS 30932	1-31-90
Voltmeter	Fluke	8325A	SFS 30094	5-10-90
Qual Bench	Honeywell	5140-3119	89100001	NCR

TEST CONDITIONS

STANDARD LABORATORY AMBIENT REL. HUM. %
 TEMP. BARO. 400 Hz 28 VDC

POWER: 115 VAC 60 Hz 400 Hz 28 VDC
 OTHER:

QC TESTER DATE

DA Fisher 1-12-90

Chamber Temp	Power, W	Freq. MHz	Pass/Fail
-20 C	221 W	1030.0005	Pass
-10 C	221 W	1030.0005	Pass
0 C	240 W	1030.0005	Pass
10 C	229 W	1030.0004	Pass
20 C	229 W	1030.0003	Pass
30 C	229 W	1030.0003	Pass
40 C	222 W	1030.0003	Pass
50 C	200 W	1030.0001	Pass

Room Temperature

Power Input Voltage, 400 Hz

97 V.	229 W	1030.0003	Pass
115 V.	229 W	1030.0003	Pass
133 V.	229 W	1030.0004	Pass

1030 MHz OSCILLATOR DETAIL DIAGRAM

ENGINEERING SPECIFICATION

SECURITY NOTATION

SPEC NO. IT7514216

CAGE CODE 55939

REV LTR

REV LTR

5

10

15

20

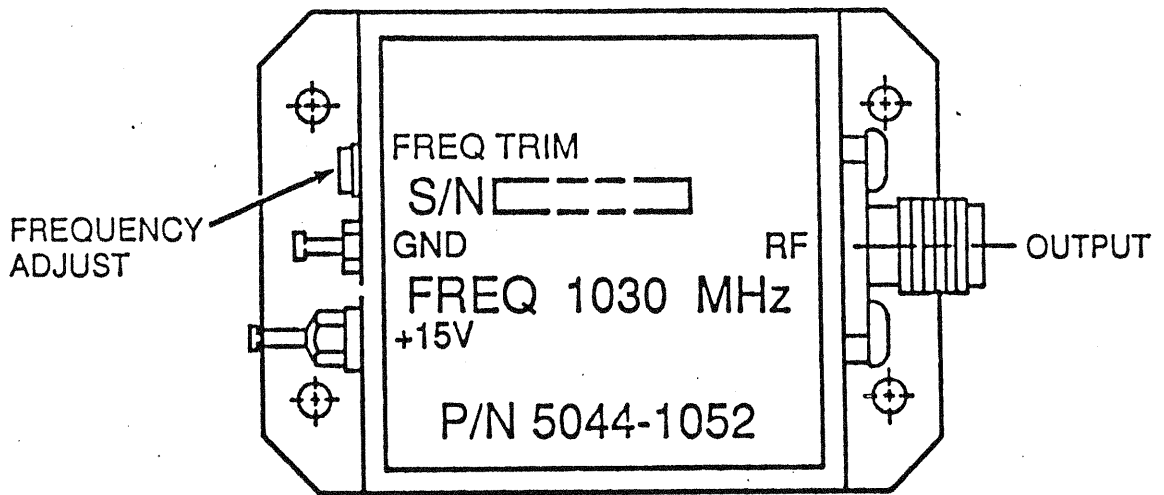
25

30

35

40

45



E7500643-8-B (R2)

1030 MHz Oscillator Detail Diagram
Figure A-14

Honeywell

SECURITY NOTATION

SUPPLEMENTS

A-19

PAGE