

Exhibit #1

Showing Compliance with Special Operating Conditions of Construction Permit BPH-951113MF.

Measurements were made that confirmed that the operation of this station is in compliance with the emission requirements of 47 C. F. R. Sections 73.317(b) through 73.317(d). Attached to this exhibit are the results of those measurements. Also attached to this exhibit are the tests results of the Jampro RCCS-322-2.0H FM combiner which confirms that it adds to the attenuation of undesirable emissions.

Exhibit 1

RE: Spectrum analysis of the occupied bandwidth of the combined signals of KYYA and KCMT.

The following measurements were taken on November 05, 1998 with a Tektronix 7L14 Spectrum Analyzer (S/N B010356) calibrated June 1995. Due to the large amount of RF from adjacent Radio and TV stations at the antenna site a meaningful off air measurement of the occupied bandwidth of KYYA and KCMT was not possible.

Therefore the spectrum of KCMT was measured at the transmitter output. The only signal observed exceeding requirements of Title 47 Part 73 Paragraph 317(b), (c), (d) was an intermod product at 99.3 MHz. This signal was 76 dB below the unmodulated carrier and must pass through the combiner, which offers an additional attenuation of 44 dB at 99.3 MHz.

The spectrum of KYYA was also measured at the transmitter output. The only signal observed exceeding requirements of Title 47 Part 73 Paragraph 317(b), (c), (d) was an intermod product at 90.3 MHz. This signal was 71 dB below the unmodulated carrier and must pass through the combiner, which offers an additional attenuation of 43 dB at 90.3 MHz.

Conclusion: The combined spectrum of KYYA and KCMT is within the requirements of Title 47 Part 73 Paragraph 317(b), (c), (d) of the commissions rules.

Respectfully,

A handwritten signature in cursive script that reads "Bruce Faulkner".

Bruce Faulkner
PG-15-5028

Exhibit

1

Statement of Engineer taking measurements

Bruce V. Faulkner, states;

That he has been employed as a Radio Broadcast Engineer and later as a Contract Broadcast Engineer continually since June of 1982. That for the two years previous to becoming a Broadcast Engineer he worked in the Land Mobile Industry as a Radio Technician after attaining his Communications Electronics Degree from the Los Angeles Technical Institute in 1980. That he has previously made successful applications to the Commission.

That he was issued and has held a Second Class Radio Telephone License from Dec. 1979 until April 1980 at which time it was upgraded to a First Class Radio Telephone License (P1-11-58846) until it was replaced by the current General Radio Telephone License (PG-15-5028) in 1984.

Respectfully Submitted,

A handwritten signature in cursive script that reads "Bruce Faulkner".

Bruce Faulkner
License No. PG-15-5028

Factory Performance Data

All plots were recorded at Jampro RF Systems' manufacturing facility using a Hewlett Packard Vector Network Analyzer, calibrated to a 50 Ω Standard using eighteen point error correction. All test equipment is returned to a certified HP service center for realignment annually.

The plots are labelled in the upper left corner of each plot, a table is given below for your convenience.

- I. Combined Input VSWR
- II. Combined Input Impedance
- III. 93.3 MHz Input VSWR
- IV. 93.3 MHz. Input Impedance
- V. 93.3 MHz. Group Delay
- VI. 93.3 MHz. Insertion Loss
- VII. 96.3 MHz. Input VSWR
- VIII. 96.3 MHz. Input Impedance
- IX. 96.3 MHz. Group Delay
- X. 96.3 MHz. Insertion Loss
- XI. Input to Input Isolation
- XII. 93.3 MHz. to Output Isolation
- XIII. 96.3 MHz. to Output Isolation

13 Oct 1998 08:23:49

CH1 S₁₁ SWR 50 m / REF 1

1: 1.035

1634 Output USWR
PRm RCCS-322-2.0H-93.3-96.3

Cor

↑

2: 1.0211

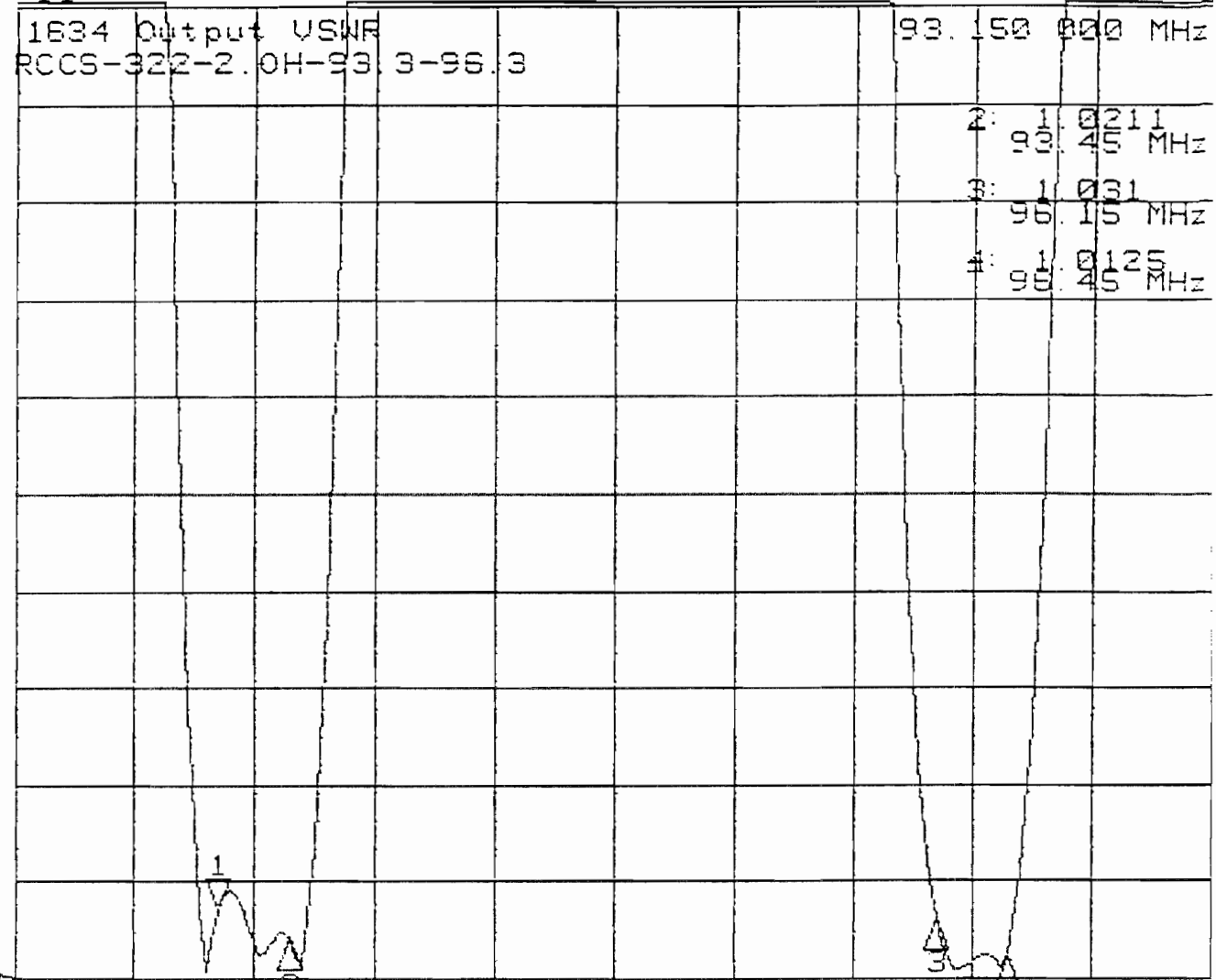
93.45 MHz

3: 1.031

95.15 MHz

4: 1.0125

95.45 MHz



CENTER 94.800 000 MHz

SPAN 5.000 000 MHz

13 Oct 1998 08:27:45

CH1 S₁₁ 50 mU FS

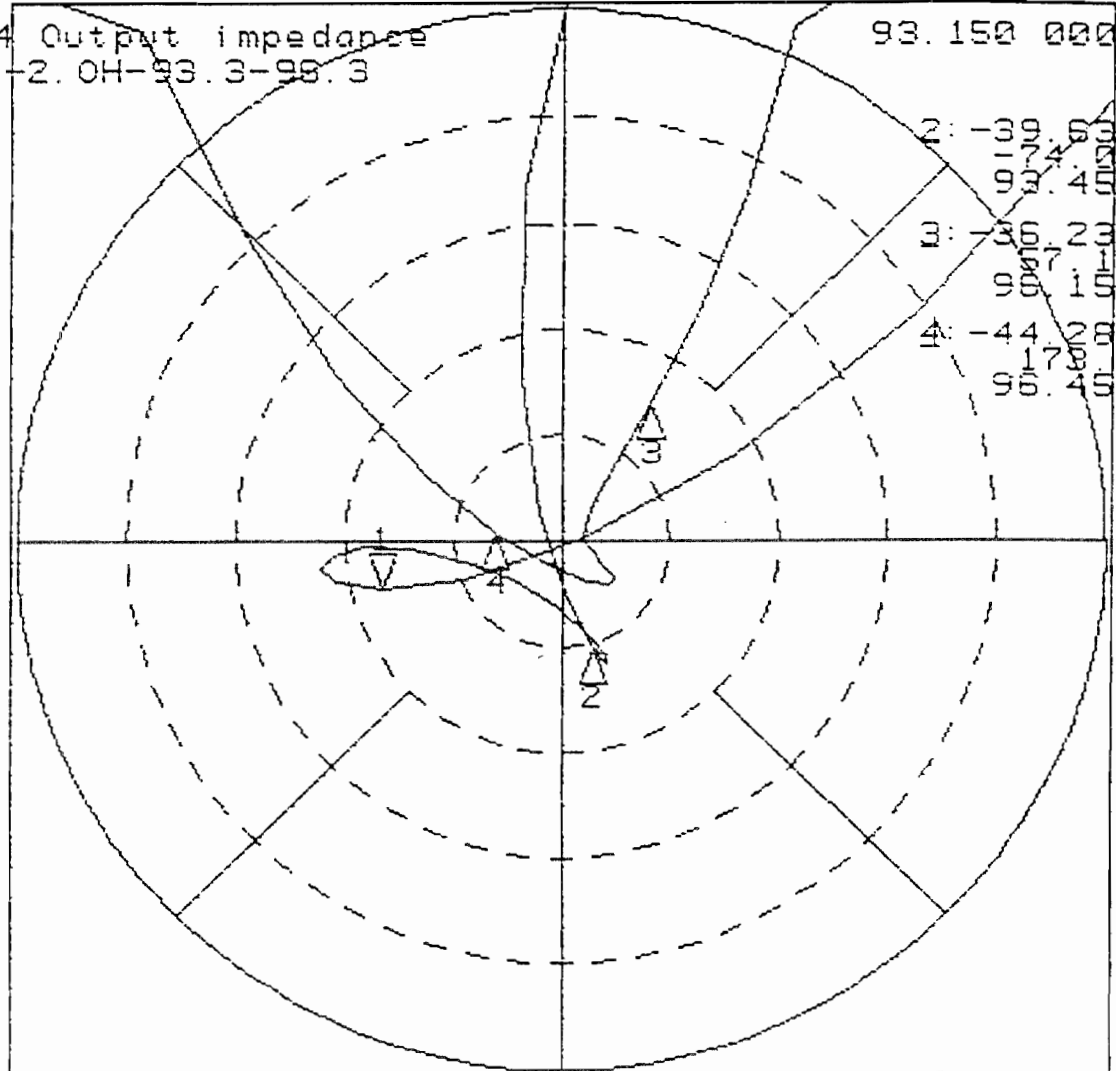
1: -35.273 dB -164.41 °

1634 Output impedance
RCCS-322-2.0H-93.3-98.3
PRm

93.150 000 MHz

Cor

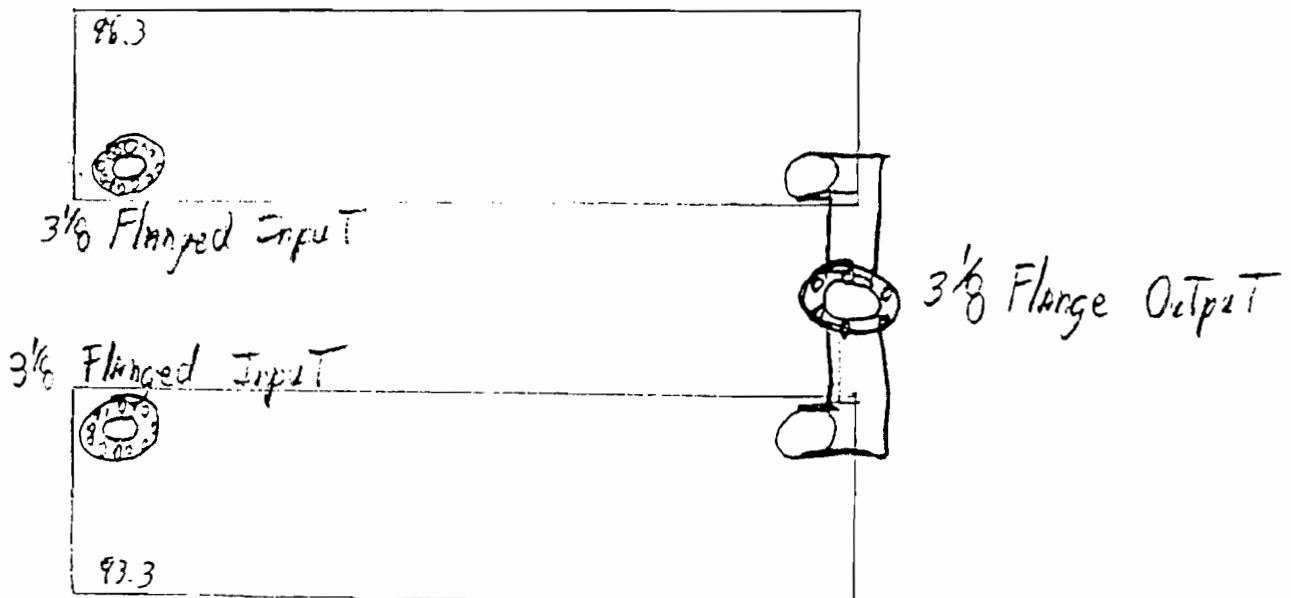
↑



CENTER 94.800 000 MHz

SPAN 5.000 000 MHz

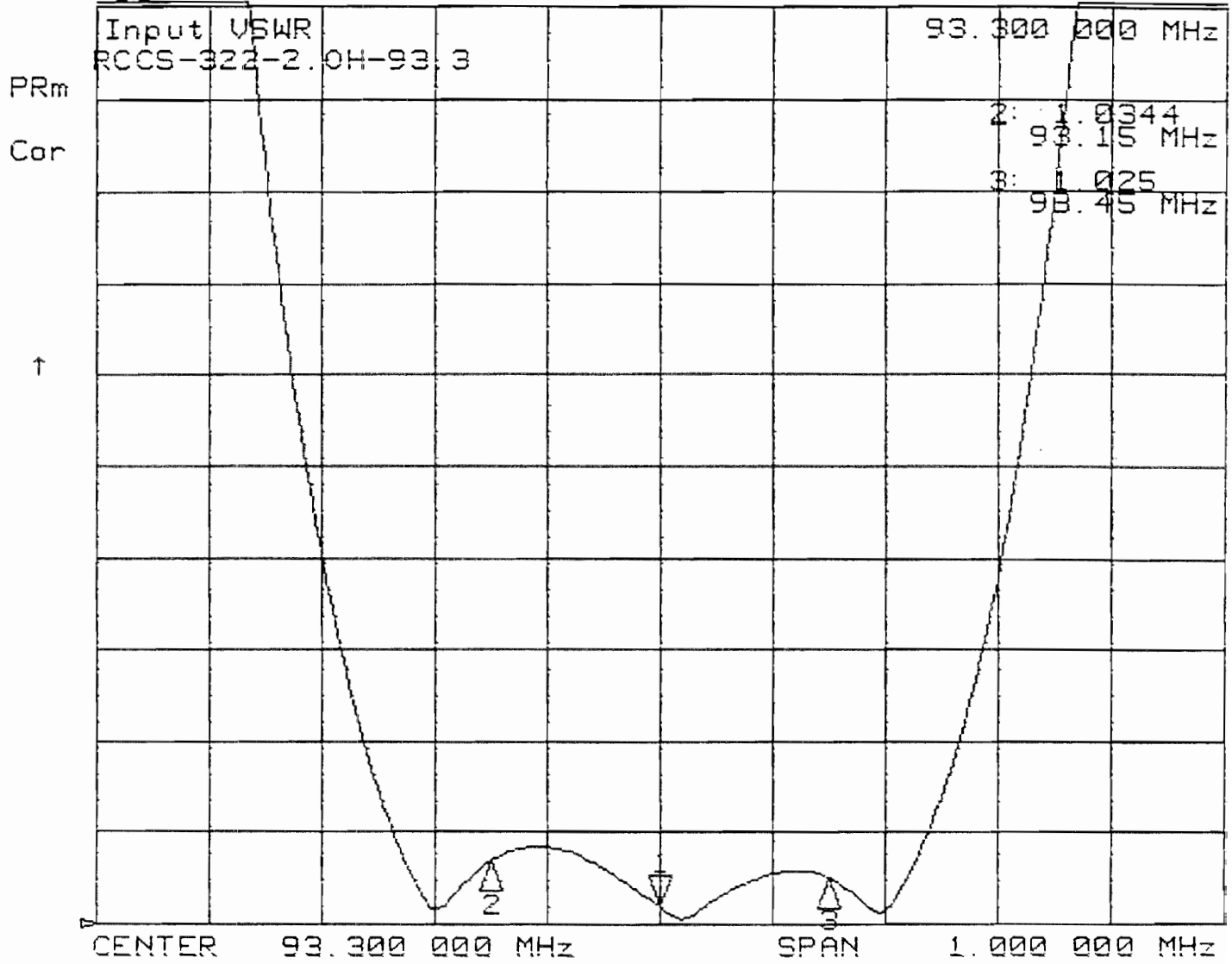
Final Test



13 Oct 1998 15:06:39

CH1 S₁₁ SWR 50 m / REF 1

1: 1.0093



13 Oct 1998 15:04:17

CH1 S₁₁ 50 mU FS

1: -46.308 dB -120.33 °

Input Impedance
RCCS-322-2.0H-93.3

93.300 000 MHz

PRm

Cor

↑

2: -35.552 dB
-80.01 °

93.15 MHz

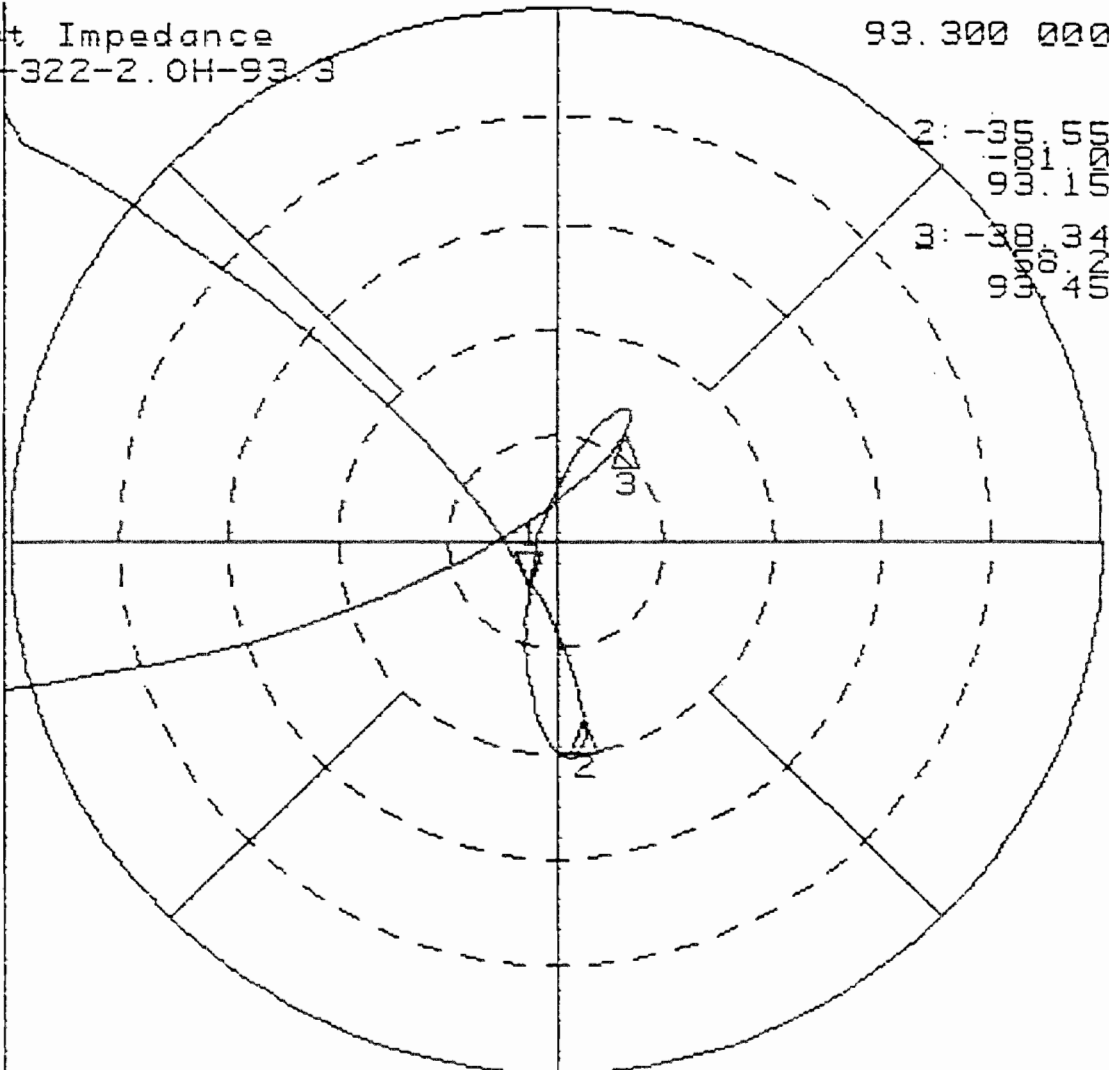
3: -38.34 dB
-80.22 °

93.45 MHz

CENTER 93.300 000 MHz

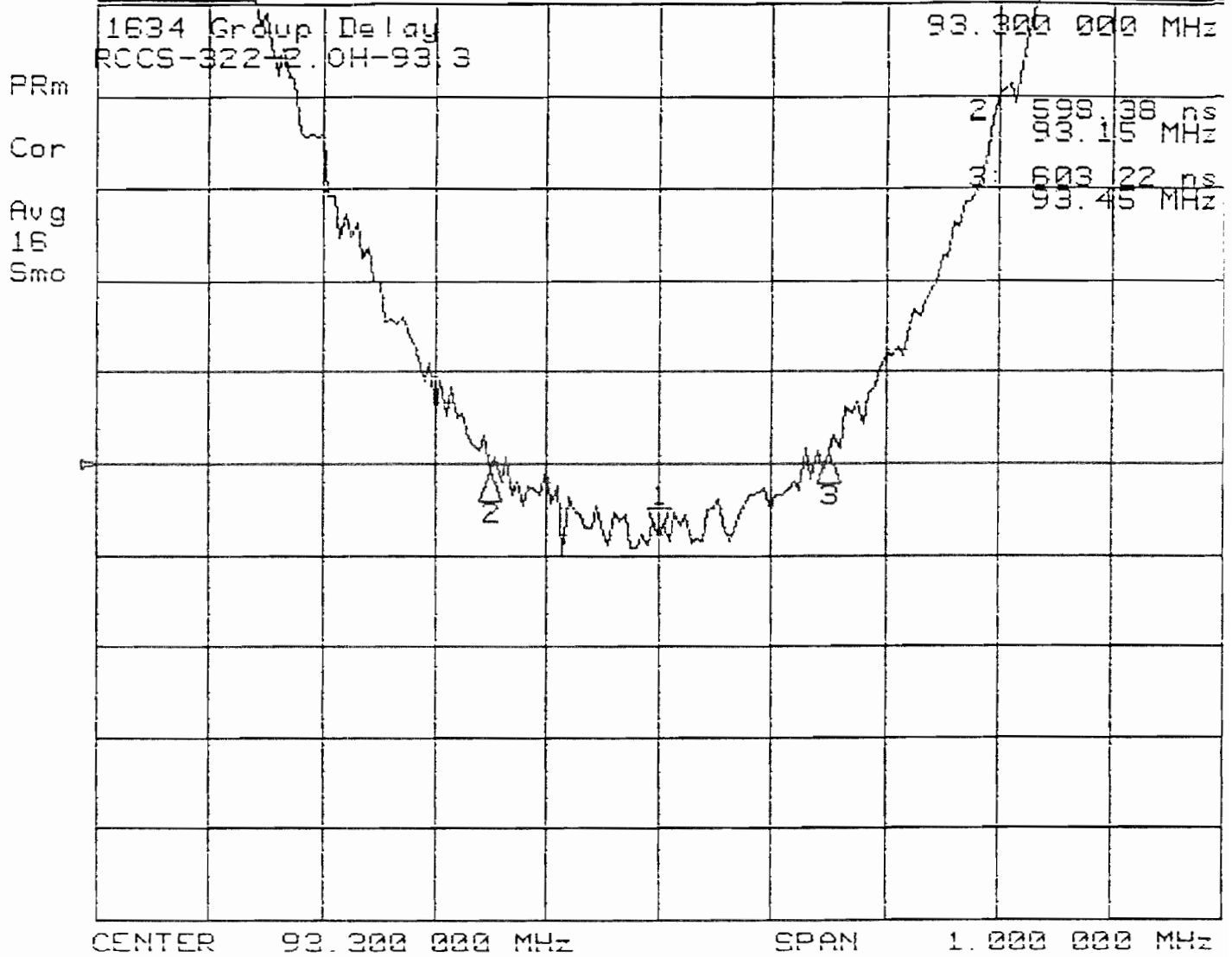
SPAN

1.000 000 MHz



13 Oct 1998 07:48:45

CH1 S₂₁ delay 25 ns/ REF 600 ns 1: 579.57 ns



13 Oct 1998 07:26:15

CH1 S₂₁ log MAG .2 dB/ REF 0 dB 1: -.1148 dB

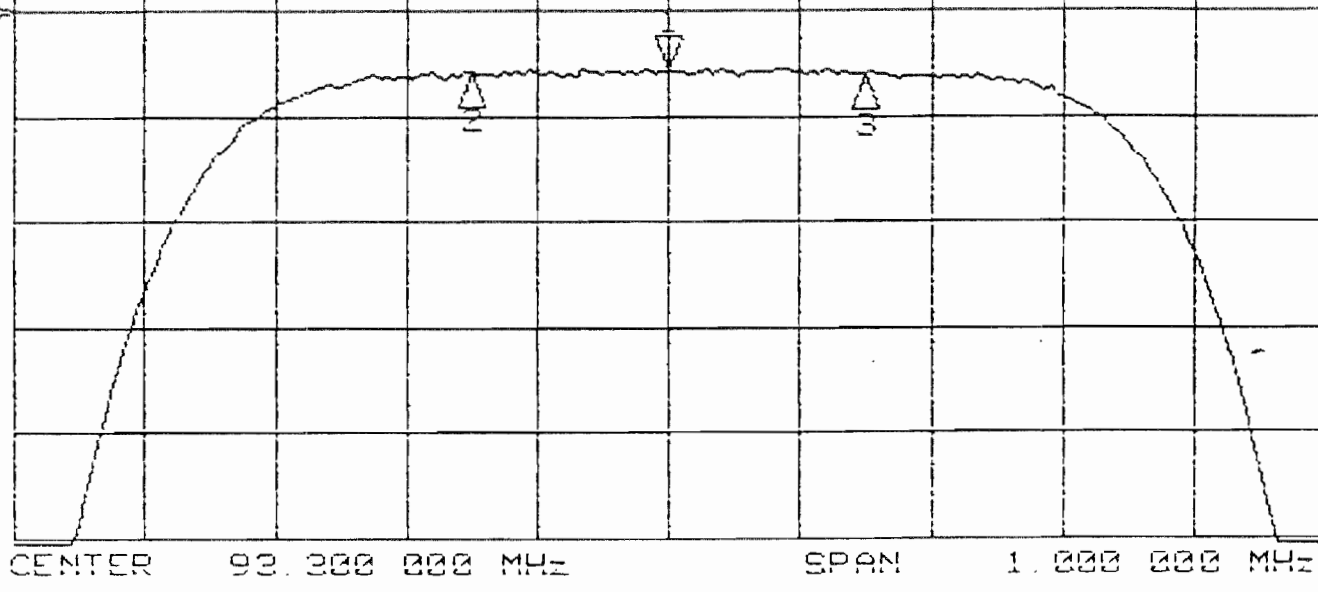
1634 Insertion Loss
RCCS-322-2.0H-93.3

PRm 93.300 000 MHz

Cor 2: -.1157 dB
93.15 MHz

3: -.1222 dB
93.45 MHz

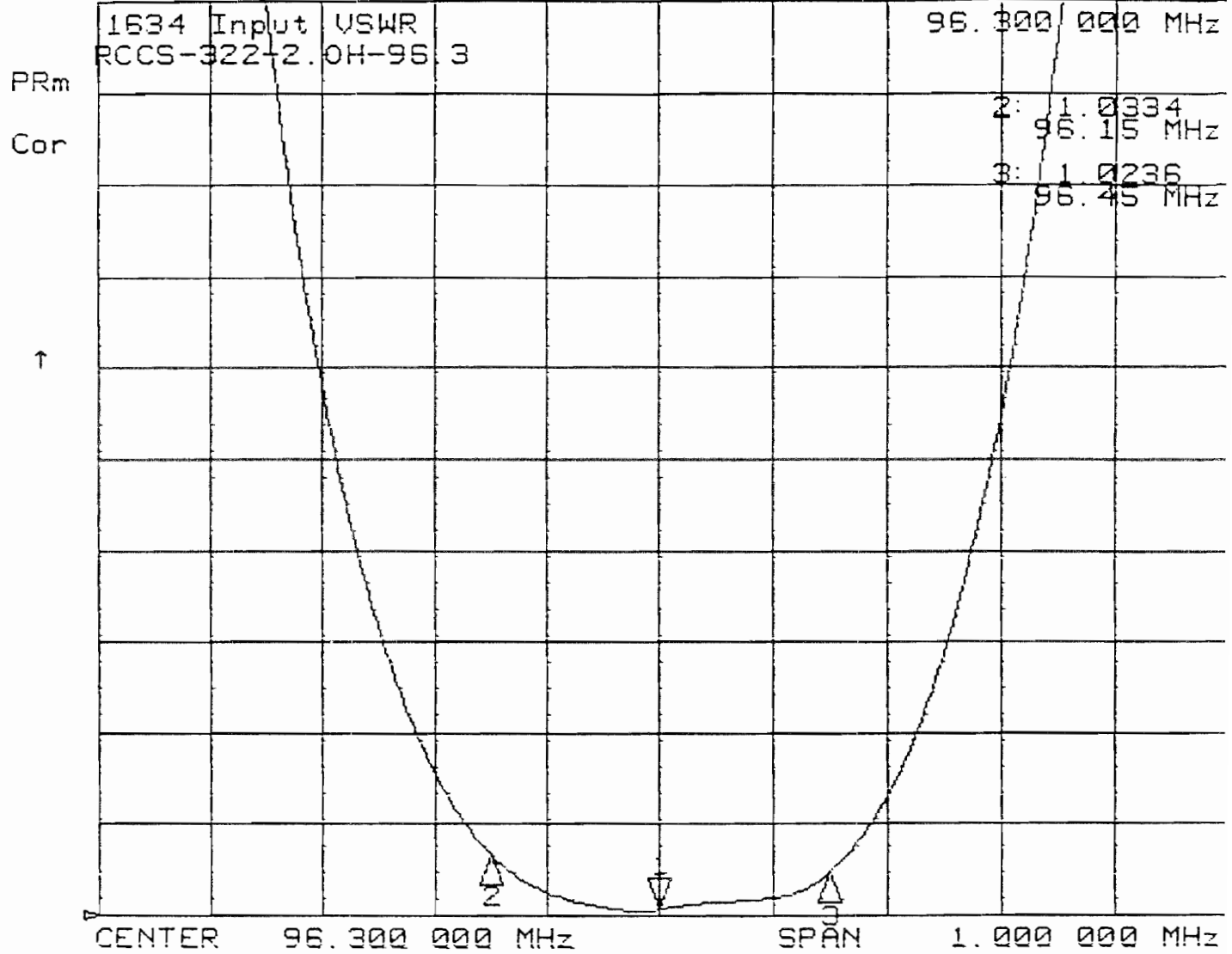
↑



13 Oct 1998 15:24:22

CH1 S₁₁ SWR 50 m / REF 1

1: 1.0032



13 Oct 1998 15:21:30

CH1 S₁₁ 50 mU FS

1: -55.488 dB 81.958 °

1634 Input Impedance
RCCS-322-2.0H-96.3

96.300 000 MHz

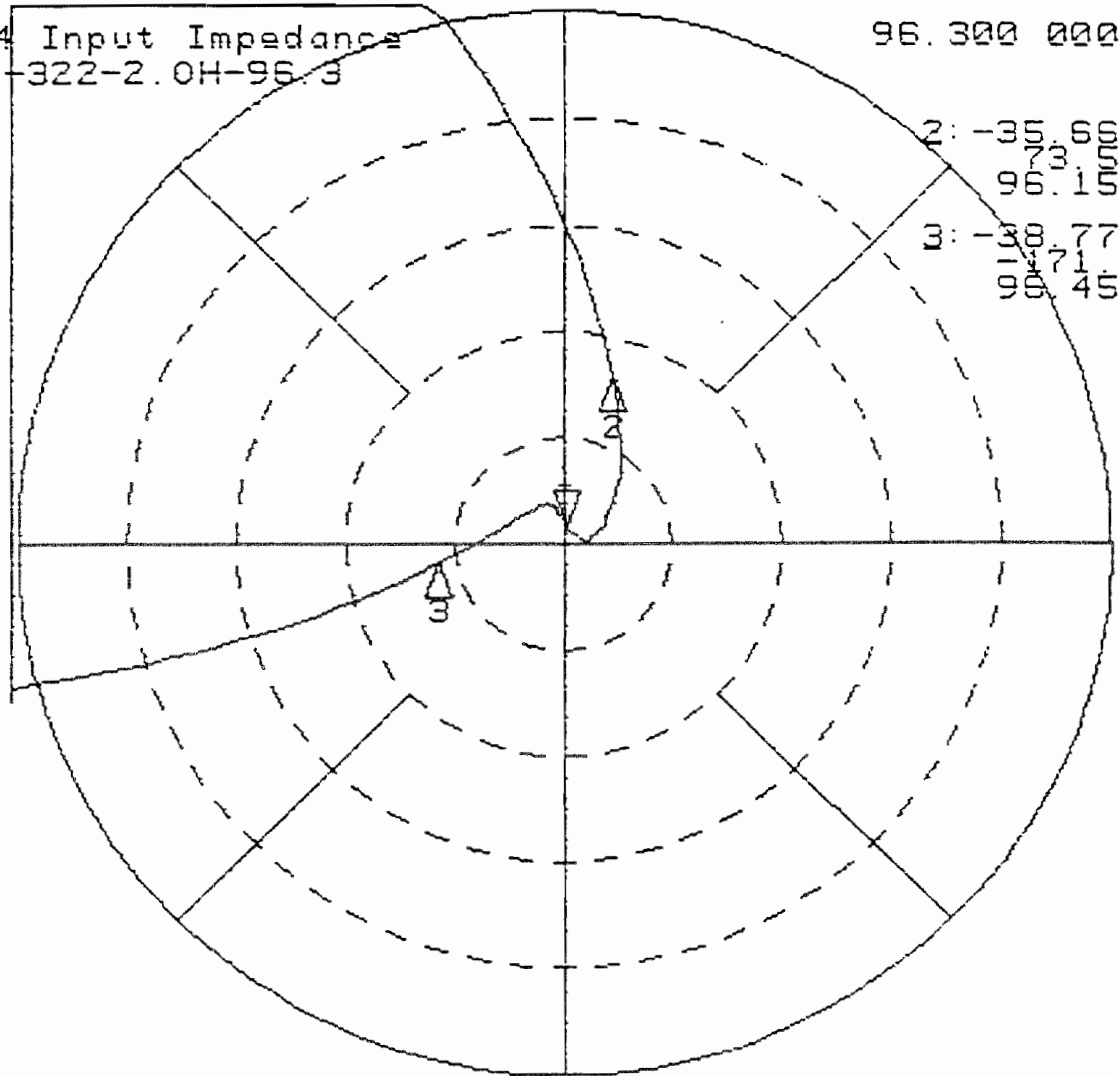
PRm

Cor

2: -35.661 dB
73.574 °
96.15 MHz

3: -38.772 dB
-171.54 °
96.45 MHz

↑



CENTER 96.300 000 MHz

SPAN 1.000 000 MHz

13 Oct 1998 08:08:3

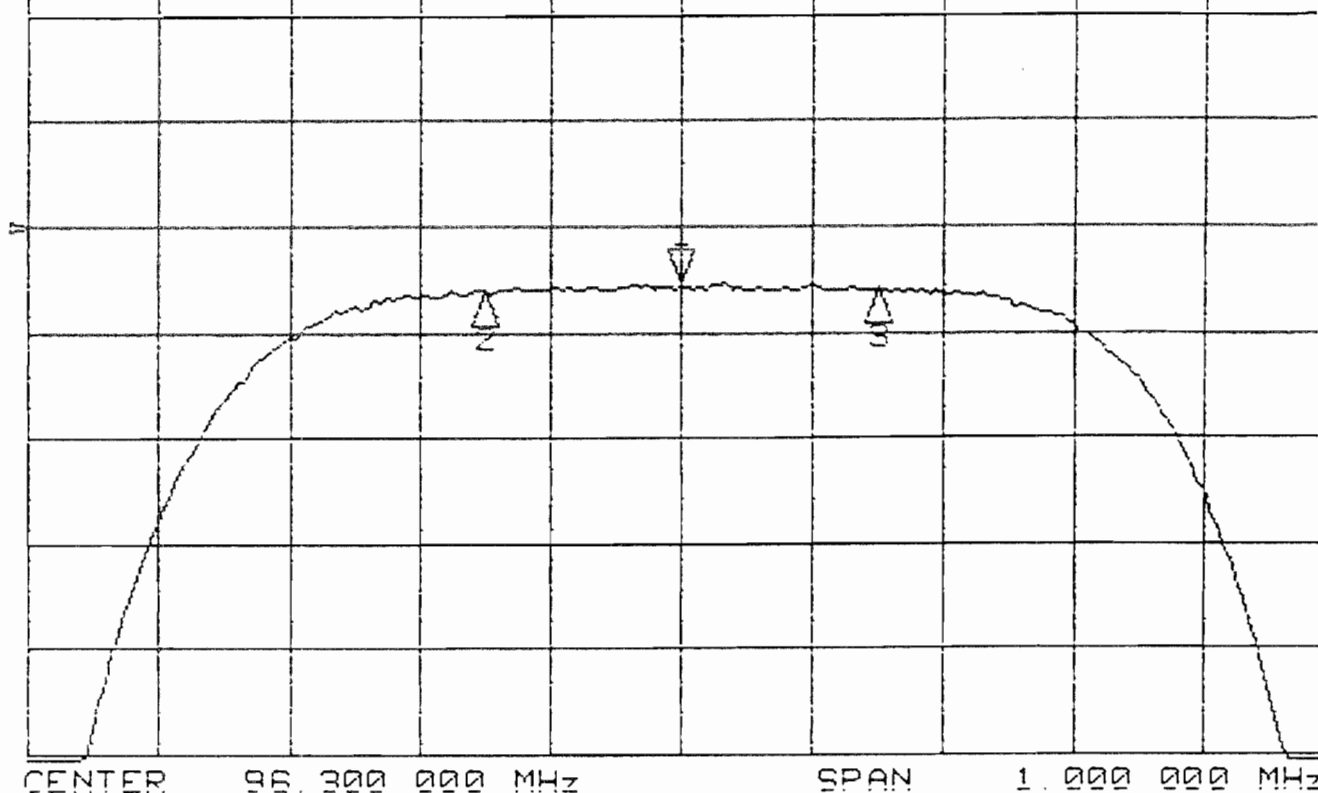
CH1 S21 log MAG .2 dB/ REF 0 dB 1: -.1103 d

1634 Insertion Loss
RCCS-322-2.0H-96.3 96.300 000 MHz

PRm 2: -.1209 d
96.15 MHz

Cor 3: -.1141 d
96.45 MHz

↑

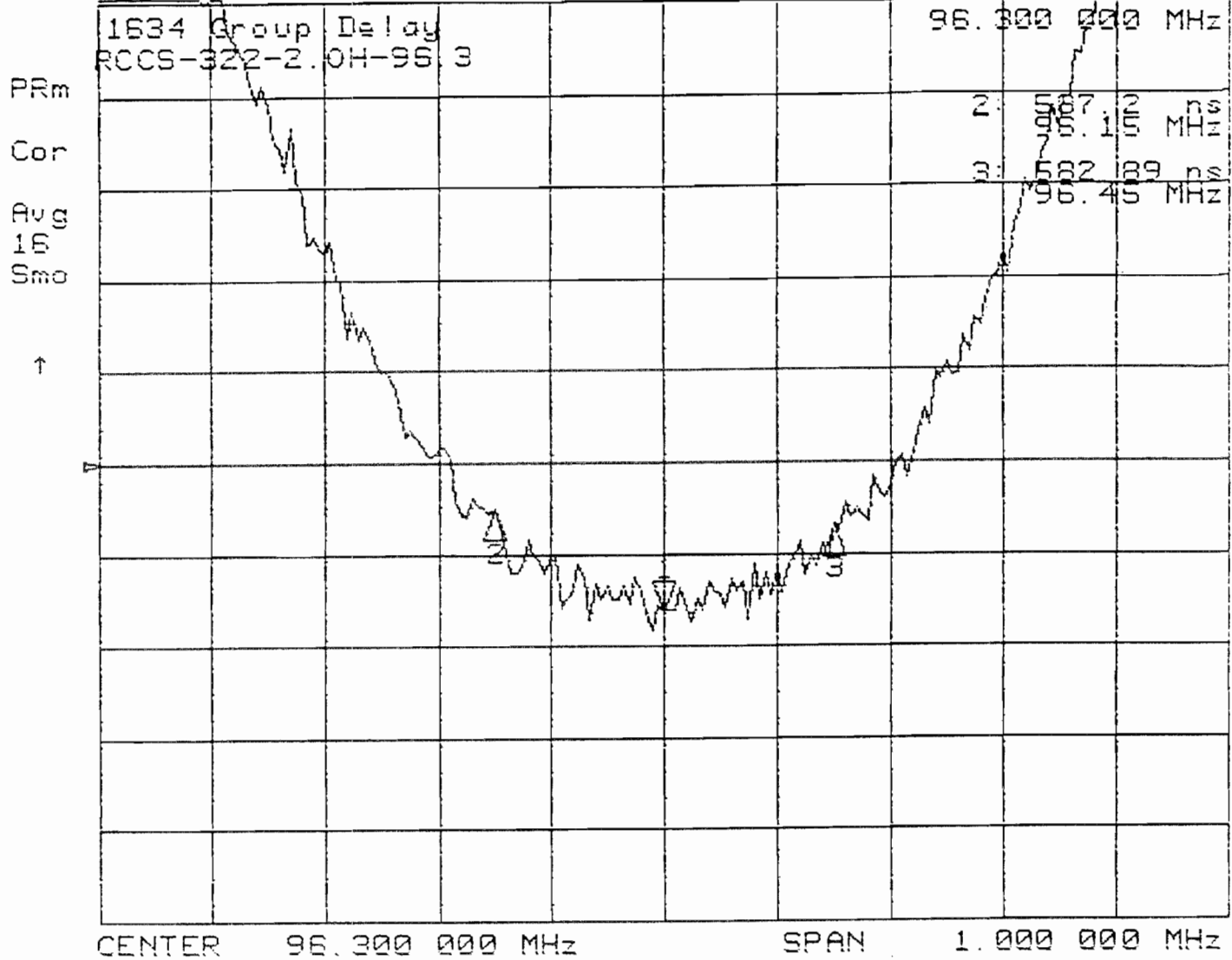


13 Oct 1998 08:12:25

CH1 S21 delay

25 ns/ REF 600 ns

1: 559.23 ns



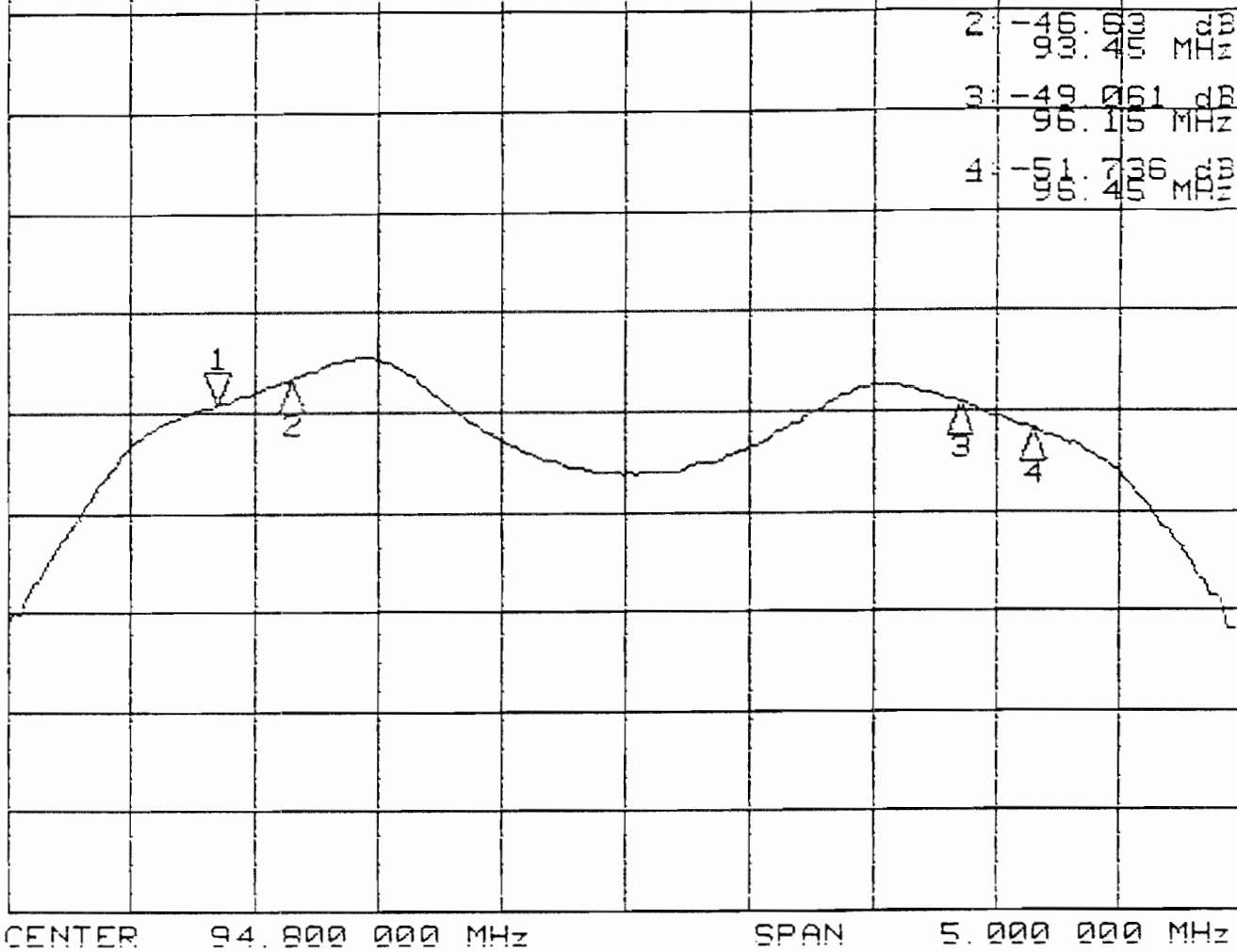
13 Oct 1998 14:37:35

CH1 S21 log MAG 10 dB/ REF 0 dB 1: -49.186 dB

1634 Input to Input Isolation 93.150 000 MHz
 RCCS-322-2.0H
 PRm

Cor

↑



13 Oct 1998 07:37:51

CH1 S21 log MAG 10 dB/ REF 0 dB

4: -50.029 dB

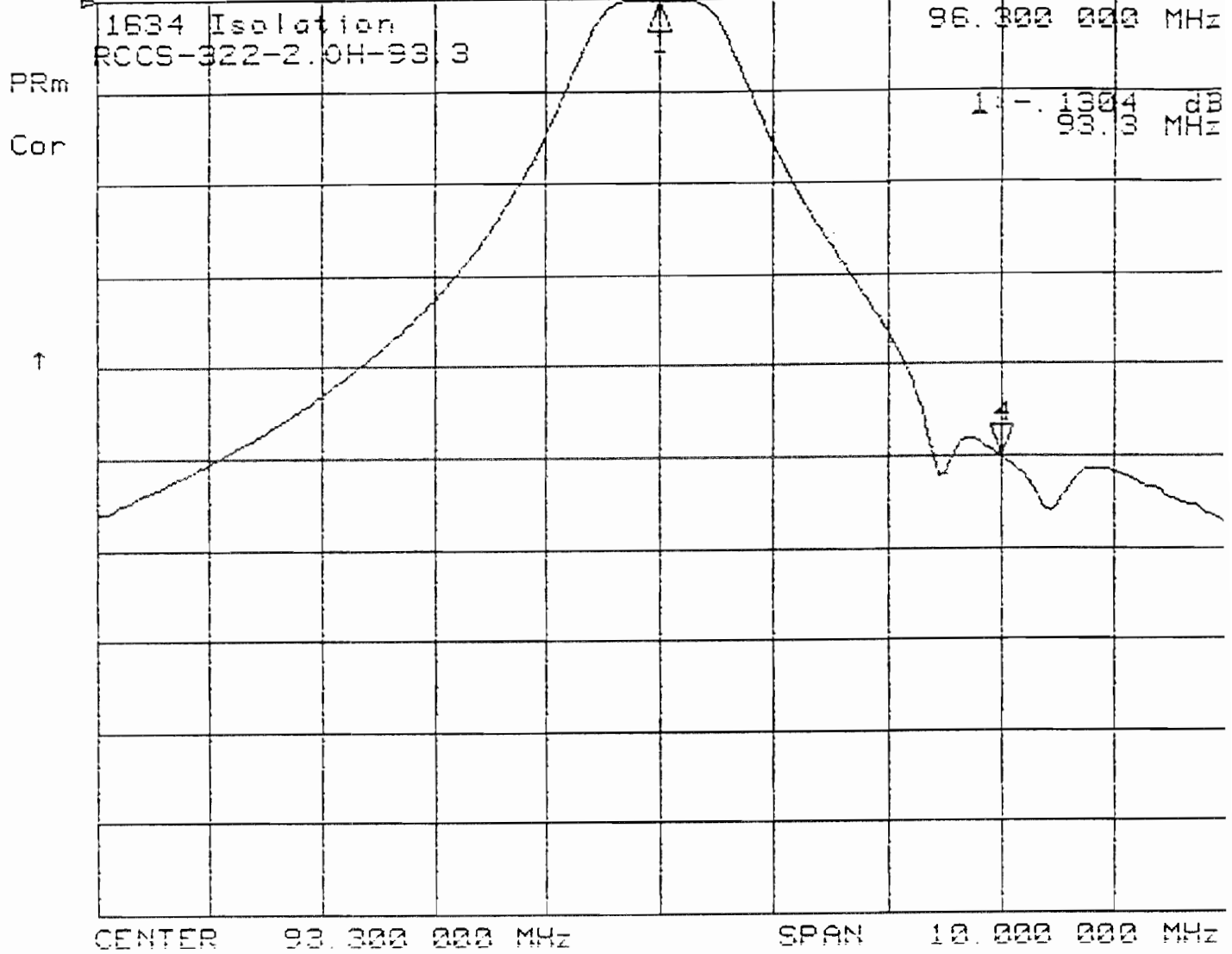


Exhibit #2

Question #13 FCC 302

Explanation of reduced gain on the Jampro JSCP Antenna

Attached to this exhibit is a letter from Jampro Antennas confirming that the gain of the Jampro JSCP-10D antenna serial number 9145 has a reduced power gain of 5.4 instead of the usual 5.5 for this antenna. The reduced gain is the result of tuning this antenna for both 93.3 Mhz and 96.6 Mhz.



6340 Sky Creek Drive, Sacramento, California 95828
P.O. Box 292880, Sacramento, California 95829-2880

(916) 383-1177 FAX (916) 383-1182

November 12, 1998

Joe Bowers
Director of Engineering
Sunbrook Communications
1600 North Ave. West
Missoula, MT 59801

Dear Joe:

Thank you for purchasing your JAMPRO ANTENNAS, INC. sidemount dual-frequency FM antenna for your new station.

The power gain of the JSCP-10D (10-bay with deicers) tuned to 93.3 and 96.3 MHz is 5.4. The call letters for the stations are KYA (93.3) and KCMT (96.3).

Please feel free to contact us if have any questions or would like additional information.

Sincerely,

Greg Montano
Domestic Sales
JAMPRO ANTENNAS, INC.