EXHIBIT G

Paragraph 2.983(d)(9)

Tune Up Procedure

Paragraph 2.983(d)(9) Tune Up Procedure:

1. Connect Marconi 2948 Test Box to RF Output Terminals.
2. Switch Transmitter on and check current is <50 mA.
3. Load frequency synthesizer with the band center frequency (794 MHz)
4. Check on output stage and adjust reference oscillator for output frequency of +/- 1.5 kHz.
5. Adjust output filter VC2 - VC3 for maximum RF output +13 dBm +/- 1.5 dB.
6. Check RF Output at 782.0 to 806.0 MHz . +13 dBm - 1.5 dB
7. Connect the AF signal to the Audio Input. Level -10 dBu 1kHz
8. Set digital gain control to minimum and adjust deviation control IC10 so as to show 12 kHz deviation on the modulation meter. Monitor the output to ensure a sinusoidal signal.
9. Increase the modulation frequency to 10 kHz. Ensure a sinusoidal signal.
10. Set user gain control to max and check maximum deviation < 25 kHz deviation.
11. Connect the spectrum analyzer to the RF output. Set the analyzer to reference level + 20 dBm and Full Span. Check all carrier harmonics are > -45 dB below carrier. If not readjust VC2-VC3.
12. End Tune Up.

EXHIBIT H

Paragraph 2.983(e)

Test Data and Measurement Procedures

EXHIBIT H

Paragraph 2.985(a)

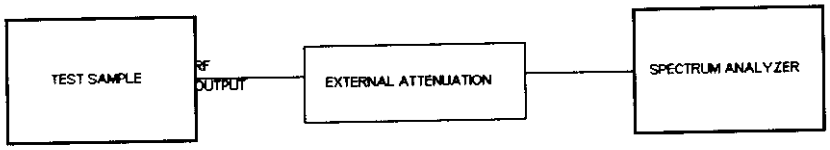
Power Output

## POWER OUTPUT (Para. 2.985(a)

A. Measurement Procedure:

The RF output of the test sample was connected through external attenuators to a spectrum analyzer using a 3MHz resolution bandwidth. The power output was measured for the unmodulated carrier frequency with the EUT being supplied with a low voltage, nominal voltage, and high voltage.

Setup of the test is shown below:




B. Test Results:

The results for the above test are shown of the following single data sheet.

# RETLIF TESTING LABORATORIES

## TABULAR DATA SHEET

TEST METHOD: **OUTPUT POWER (85% to 115% of Input Power) Para 2.985**

CUSTOMER: BBM Electronics JOB No.: R-7456-5

TEST SAMPLE: 782 MHz to 806 MHz Wireless FM Transmitter

MODEL No. S4000MTX SERIAL No.: FCC ID: F3S4KMTX

TEST SPECIFICATION: FCC Part 74 Experimental Radio, Auxiliary, Special Broadcast and other Program Distributional Services. PARAGRAPH: 74.861

OPERATING MODE: Transmitting a CW signal at center frequency as specified below

TECHNICIAN: T. Schneider DATE: 3/09/98

NOTES: Level adjustment set at maximum.

| | TRANSMIT FREQUENCY | Percent of Rated V | INPUT VOLTAGE | | Meter Reading | Converted Reading | | Limit |
|---|---|---|---|---|---|---|---|---|
| | MHz | % | Volts DC | | dBm | milliWatts | | milliWatts |
| | 782.100 | | | | | | | |
| | | 85 | 7.65 | | 9.1 | 8.1 | | 250 |
| | | 100 | 9.00 | | 10.3 | 10.7 | | 250 |
| | V | 115 | 10.65 | | 11.3 | 13.5 | | 250 |
| | 782.100 | | | | | | | |
| | 794.100 | | | | | | | |
| | | 85 | 7.65 | | 9.1 | 8.1 | | 250 |
| | | 100 | 9.00 | | 9.7 | 9.3 | | 250 |
| | V | 115 | 10.65 | | 10.1 | 10.2 | | 250 |
| | 794.100 | | | | | | | |
| | 805.900 | | | | | | | |
| | | 85 | 7.65 | | 7.6 | 5.8 | | 250 |
| | | 100 | 9.00 | | 7.9 | 6.2 | | 250 |
| | V | 115 | 10.65 | | 8.3 | 6.8 | | 250 |
| | 805.900 | | | | | | | |

EXHIBIT H

Paragraph 2.987

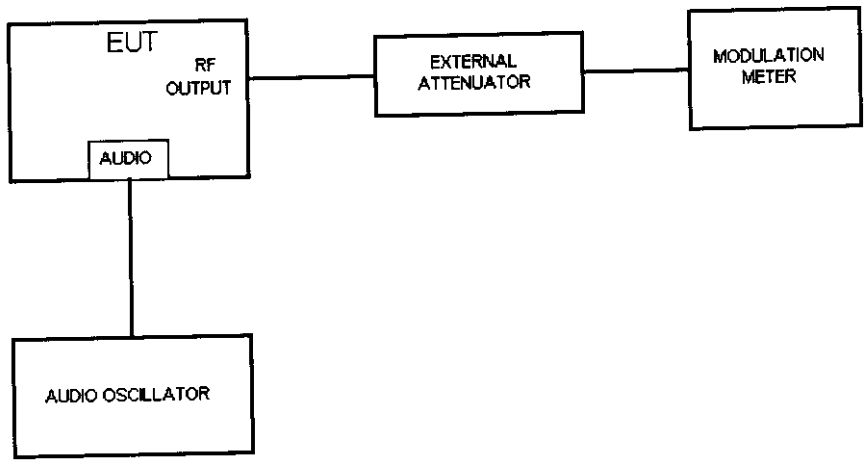
Modulation Characteristics

## MODULATION CHARACTERISTICS (2.987)

A. Measurement Procedure:

An Audio Oscillator was coupled to the Audio Input of the transmitter under test. The RF Output at the antenna terminals was loosely coupled to a modulation meter as shown below. The Audio Input level was adjusted from -60dBm to +10dBm at each frequency listed herein. At each test frequency and level, the FM modulation was recorded.

Setup of the above test is shown below:




C. Test Results:

The results for the above test are shown on the following single data sheet.

# RETLIF TESTING LABORATORIES

## TABULAR DATA SHEET

TEST METHOD: MODULATION CHARACTERISTICS, Para 2.987

CUSTOMER: BBM Electronics JOB No.: R-7456-5

TEST SAMPLE: 782 MHz to 806 MHz Wireless FM Transmitter

MODEL No.: S4000MTX SERIAL No.: FCC ID: F3S4KMTX

TEST SPECIFICATION: FCC Part 74 Experimental Radio, Auxiliary, Special Broadcast and other Program Distributional Services. PARAGRAPH: 74.861

OPERATING MODE: Transmitting a CW signal at center frequency as specified below

TECHNICIAN: T. SCHNEIDER DATE: 3/11/98

NOTES: Audio Level adjustment set at maximum.

| AUDIO FREQUENCY | INPUT LEVEL | DEVIATION | DEVIATION LIMIT | | AUDIO FREQUENCY | INPUT LEVEL | DEVIATION | DEVIATION LIMIT |
|---|---|---|---|---|---|---|---|---|
| Hz | dBm | KHz | KHz | | Hz | dBm | KHz | KHz |
| 40 | -60 | 1.4 | 75.0 | | 2500 | -60 | 1.8 | 75.0 |
| 40 | -50 | 2.0 | " | | 2500 | -50 | 2.9 | " |
| 40 | -40 | 3.7 | " | | 2500 | -40 | 4.9 | " |
| 40 | -30 | 7.3 | " | | 2500 | -30 | 8.1 | " |
| 40 | -20 | 13.0 | " | | 2500 | -20 | 14.0 | " |
| 40 | -10 | 22.8 | " | | 2500 | -10 | 24.1 | " |
| 40 | 0 | 37.3 | " | | 2500 | 0 | 25.0 | " |
| 40 | 10 | 45.2 | " | | 2500 | 10 | 25.1 | " |
| | | | " | | | | | " |
| 100 | -60 | 1.6 | " | | 5000 | -60 | 2.1 | " |
| 100 | -50 | 2.5 | " | | 5000 | -50 | 3.5 | " |
| 100 | -40 | 4.9 | " | | 5000 | -40 | 5.8 | " |
| 100 | -30 | 9.3 | " | | 5000 | -30 | 9.8 | " |
| 100 | -20 | 16.4 | " | | 5000 | -20 | 17.1 | " |
| 100 | -10 | 28.9 | " | | 5000 | -10 | 24.6 | " |
| 100 | 0 | 35.2 | " | | 5000 | 0 | 25.0 | " |
| 100 | 10 | 35.2 | " | | 5000 | 10 | 25.1 | " |
| | | | " | | | | | " |
| 500 | -60 | 1.6 | " | | 10000 | -60 | 2.5 | " |
| 500 | -50 | 2.5 | " | | 10000 | -50 | 4.1 | " |
| 500 | -40 | 4.3 | " | | 10000 | -40 | 6.7 | " |
| 500 | -30 | 7.2 | " | | 10000 | -30 | 11.3 | " |
| 500 | -20 | 12.4 | " | | 10000 | -20 | 19.8 | " |
| 500 | -10 | 21.6 | " | | 10000 | -10 | 24.8 | " |
| 500 | 0 | 25.5 | " | | 10000 | 0 | 25.0 | " |
| 500 | 10 | 26.0 | " | | 10000 | 10 | 25.0 | " |
| | | | " | | | | | " |
| 1000 | -60 | 1.6 | " | | 15000 | -60 | 2.5 | " |
| 1000 | -50 | 2.5 | " | | 15000 | -50 | 4.0 | " |
| 1000 | -40 | 4.3 | " | | 15000 | -40 | 6.4 | " |
| 1000 | -30 | 7.2 | " | | 15000 | -30 | 10.9 | " |
| 1000 | -20 | 12.3 | " | | 15000 | -20 | 19.0 | " |
| 1000 | -10 | 21.3 | " | | 15000 | -10 | 24.7 | " |
| 1000 | 0 | 25.2 | V | | 15000 | 0 | 24.7 | V |
| 1000 | 10 | 25.3 | 75.0 | | 15000 | 10 | 24.8 | 75.0 |

EXHIBIT H

Paragraph 2.989

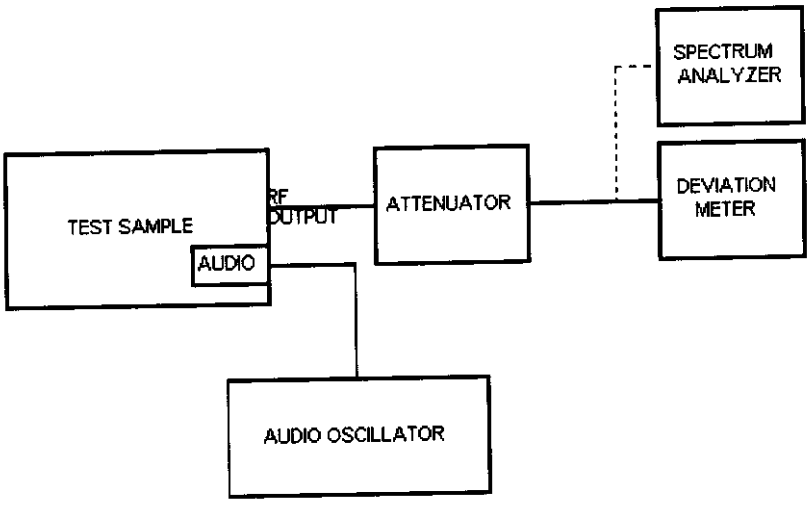
Occupied Bandwidth

## OCCUPIED BANDWIDTH (PARA.2.989)

A. Measurement Procedure:

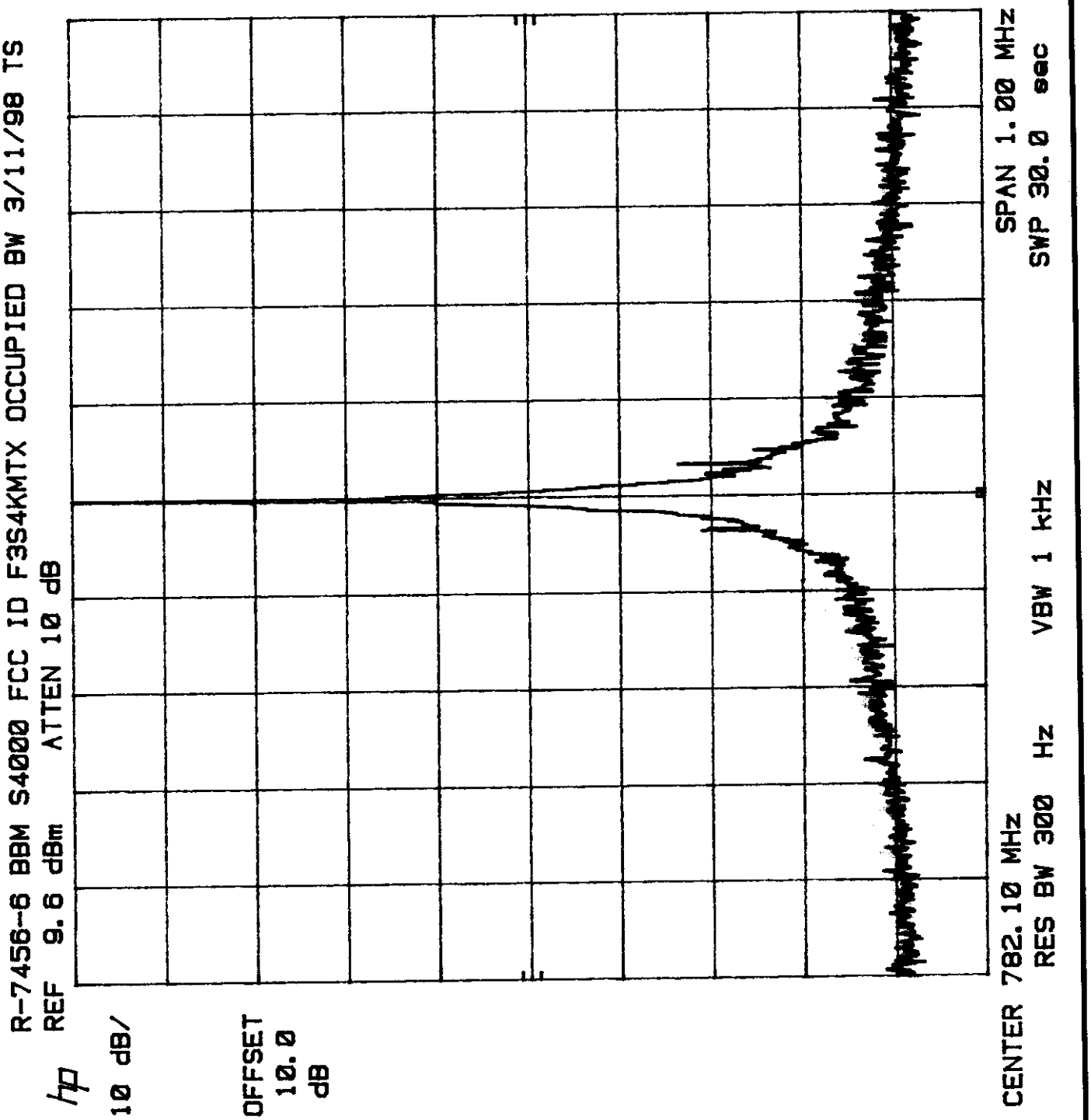
An audio signal was electrically coupled to the audio input terminals of the test sample. The RF output was monitored using a deviation meter. The audio input level was increased to produce 50% modulation. The RF output was then loosely coupled through external attenuators to a spectrum analyzer and the audio level was increased by 16 dB. The occupied bandwidth of the RF carrier, modulated at 50% plus 16 dB, was then measured. The above procedure was performed with the audio input frequencies of 2500 Hz and 15 kHz applied to the unit. The modulated signal must be within the template as specified by the applicable paragraph in Part 74. The above was performed at the low, mid and high frequencies.

Setup of the test is shown below:




B. Test Results:

The results for the above test are shown on the following six (6) sheets.

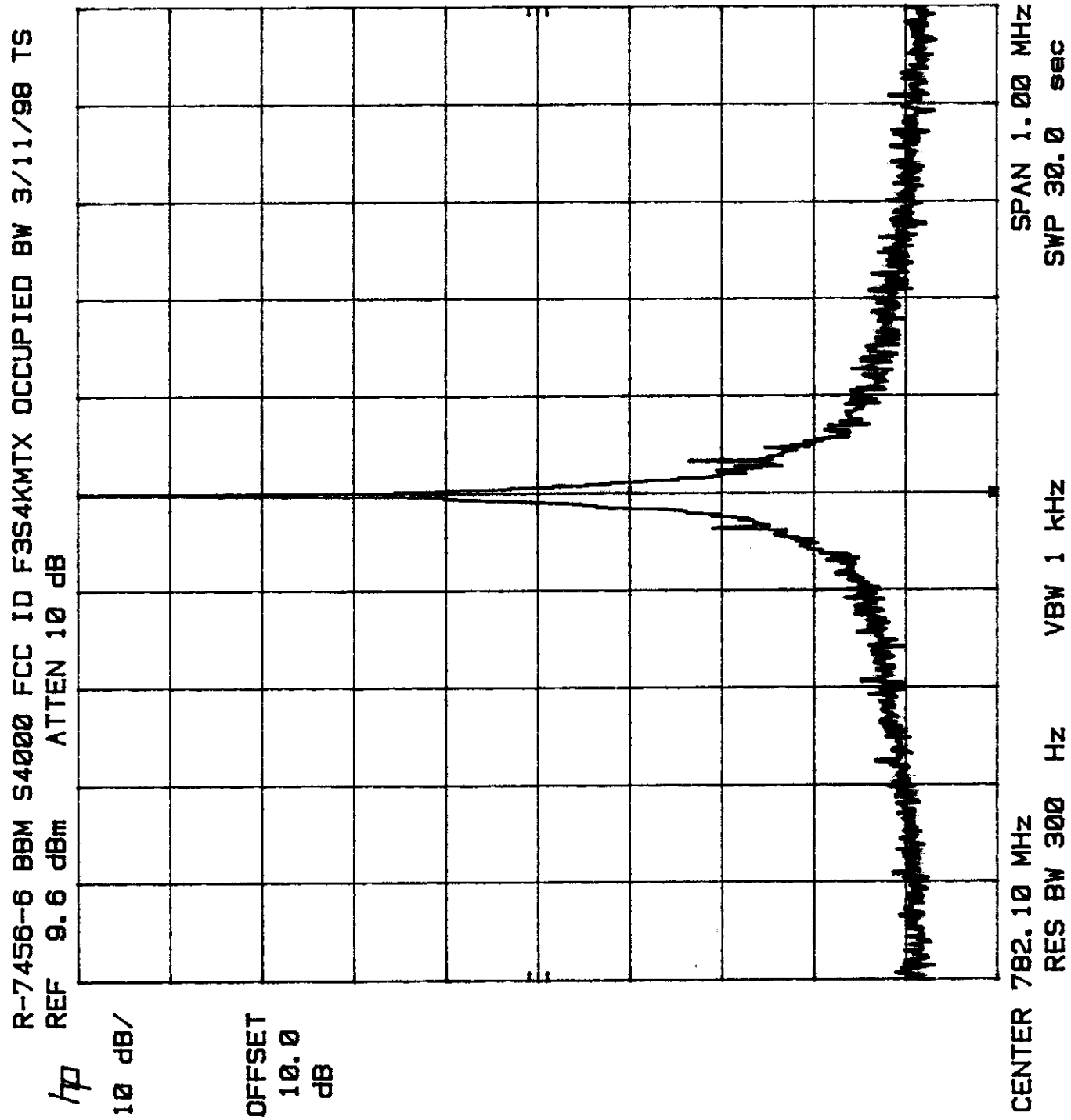



| | |
|---|---|
| Customer: | BBM Electronics |
| Test Sample: | 782 MHz to 806 MHz Wireless FM Transmitter |
| Model No.: | S4000MTX FCC ID: F3S4KMTX |
| Test Method: | Occupied Bandwidth, Paragraph 2.989 |
| Notes: | Center Frequency= 782.1 MHz |
| | Audio Input = 2500 Hz at 50% Modulation plus 16 dB |

Date: March 11,1998 Tech: T. Schneider Sheet 1 of 6

**Retlif Testing Laboratories**

Report No. R-7456-5

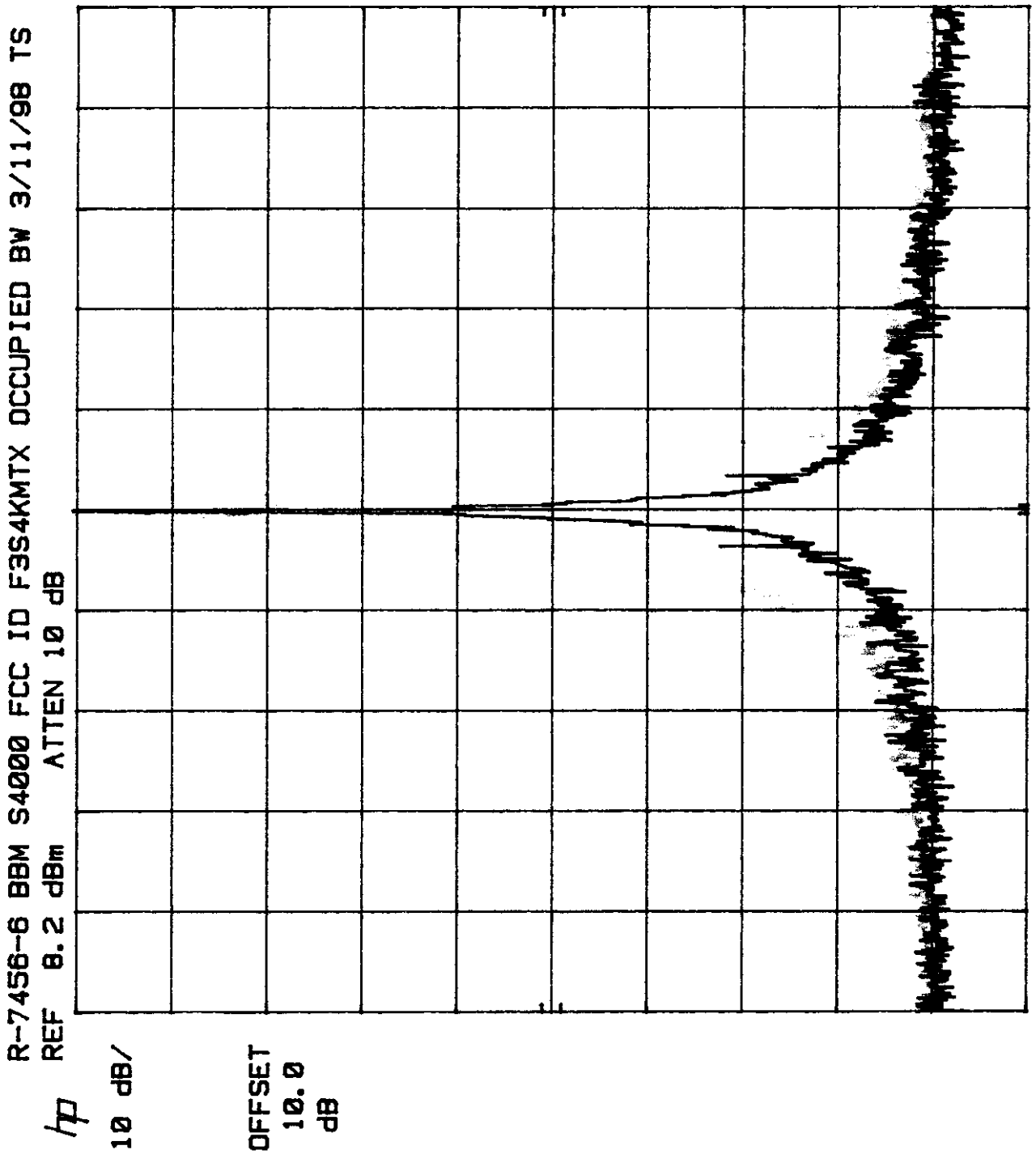



| | |
|---|---|
| Customer: | BBM Electronics |
| Test Sample: | 782 MHz to 806 MHz Wireless FM Transmitter |
| Model No.: | S4000MTX FCC ID: F3S4KMTX |
| Test Method: | Occupied Bandwidth, Paragraph 2.989 |
| Notes: | Center Frequency= 782.1 MHz |
| | Audio Input = 15000 Hz at 50% Modulation plus 16 dB |

Date: March 11,1998 Tech: T. Schneider Sheet 2 of 6

**Retlif Testing Laboratories**

Report No. R-7456-5

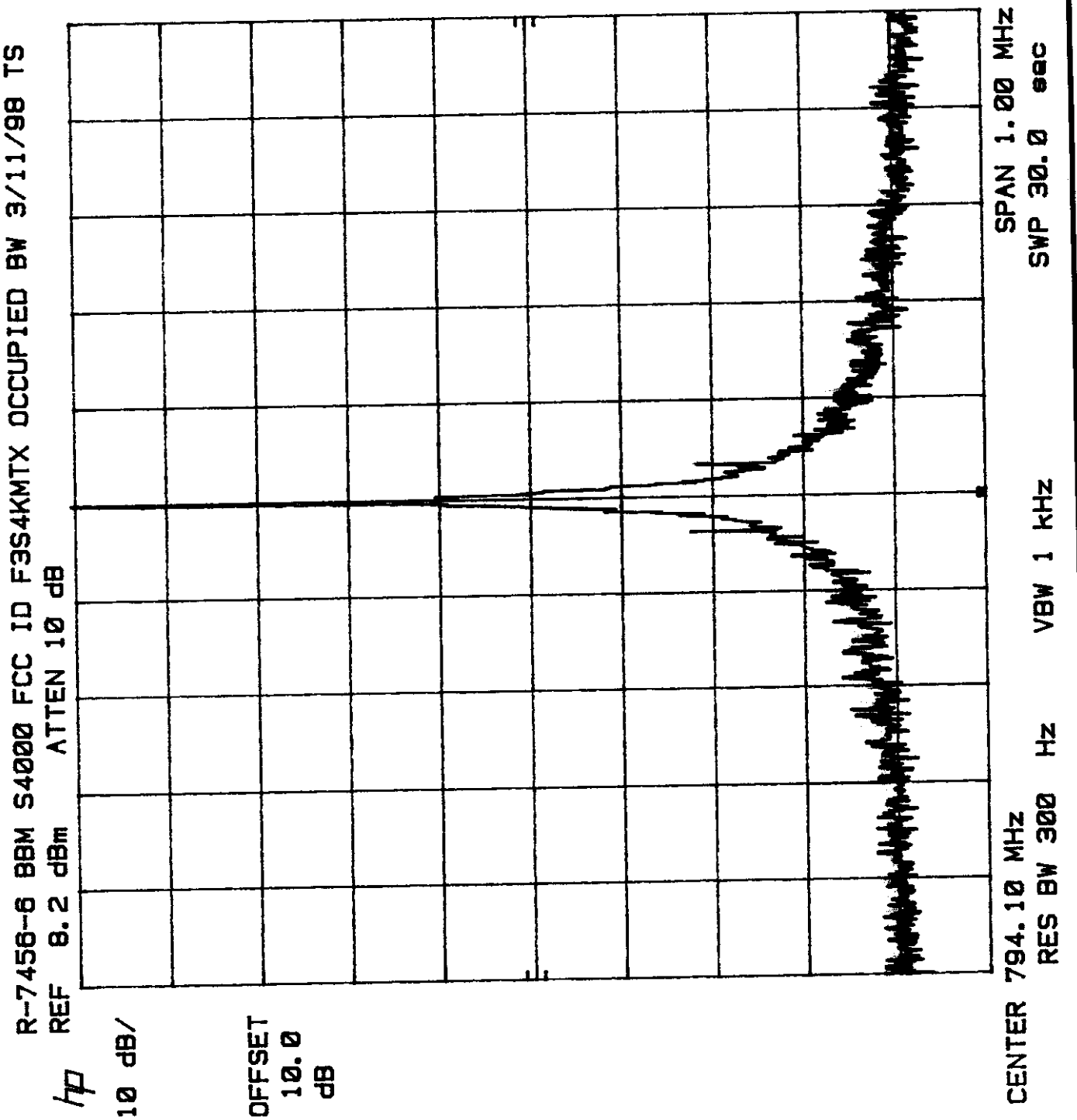



| | |
|---|---|
| Customer: | BBM Electronics |
| Test Sample: | 782 MHz to 806 MHz Wireless FM Transmitter |
| Model No.: | S4000MTX FCC ID: F3S4KMTX |
| Test Method: | Occupied Bandwidth, Paragraph 2.989 |
| Notes: | Center Frequency= 794.1 MHz<br>Audio Input = 2500 Hz at 50% Modulation plus 16 dB |

Date: March 11,1998 Tech: T. Schneider Sheet 3 of 6

**Retlif Testing Laboratories**

Report No. R-7456-5




| | |
|---|---|
| Customer: | BBM Electronics |
| Test Sample: | 782 MHz to 806 MHz Wireless FM Transmitter |
| Model No.: | S4000MTX FCC ID: F3S4KMTX |
| Test Method: | Occupied Bandwidth, Paragraph 2.989 |
| Notes: | Center Frequency= 794.1 MHz |
| | Audio Input = 15000 Hz at 50% Modulation plus 16 dB |

Date: March 11,1998 Tech: T. Schneider Sheet 4 of 6

**Retlif Testing Laboratories**

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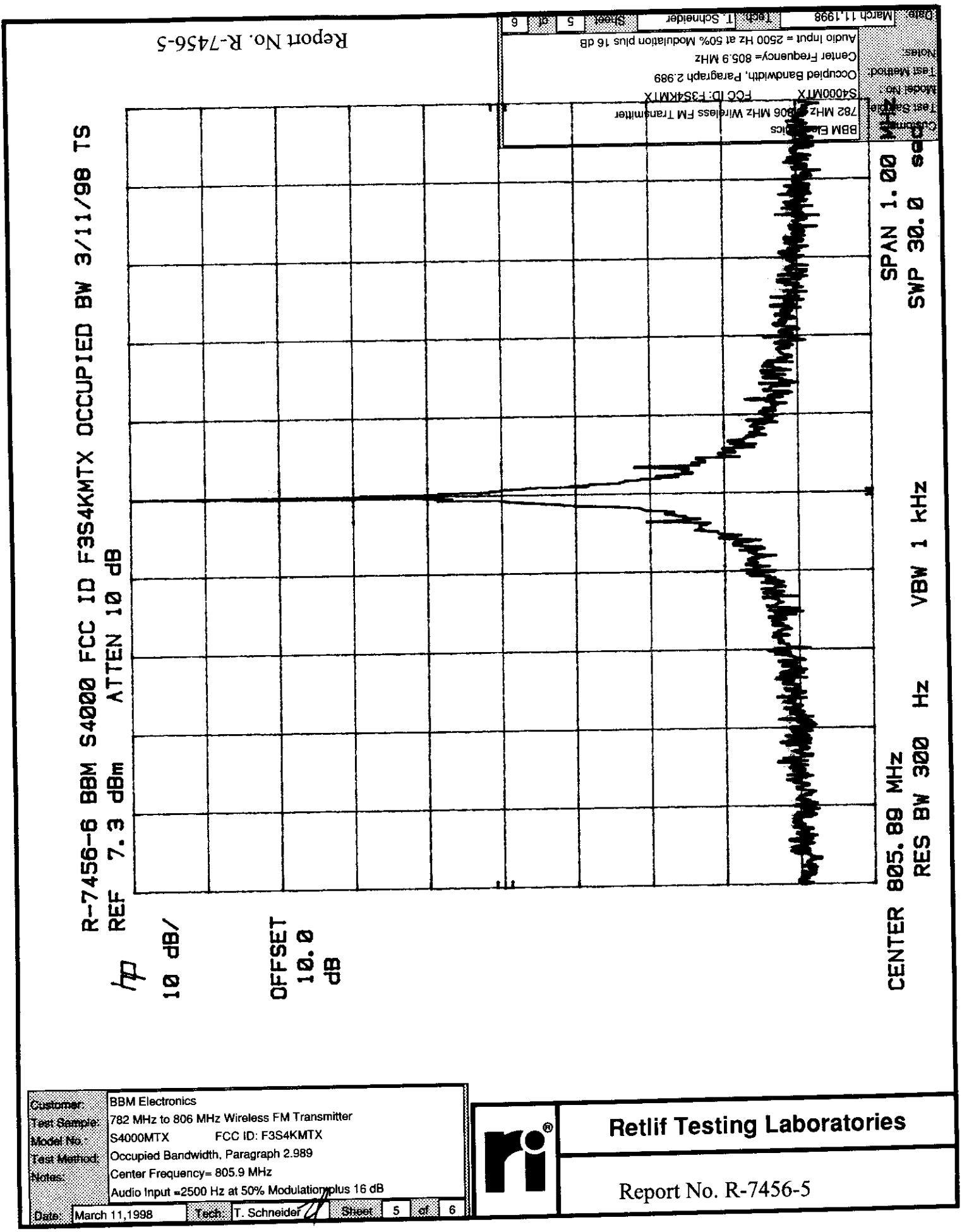
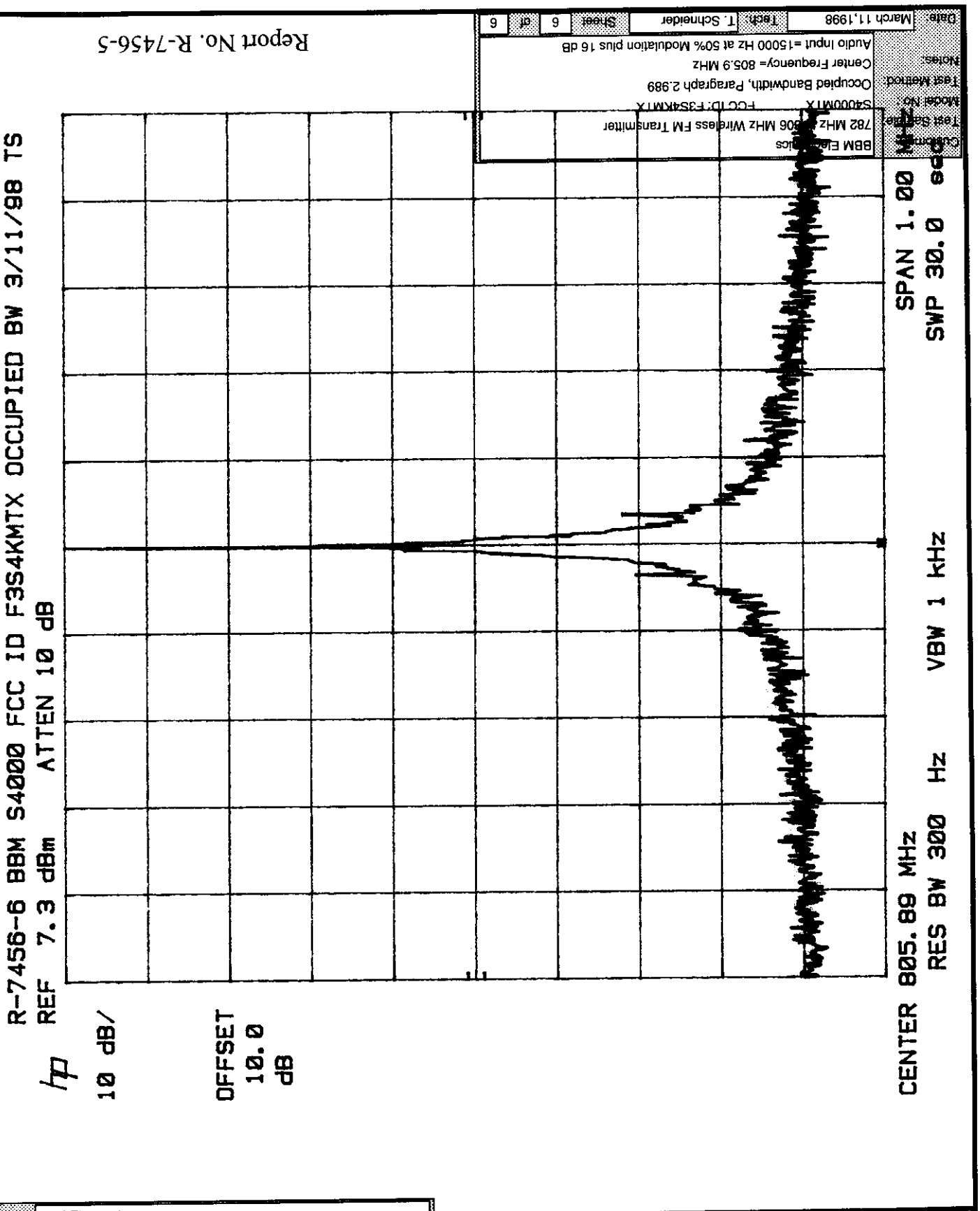

R-7456-6 BBM S4000 FCC ID F3S4KMTX OCCUPIED BW 3/11/98 TS
REF 7.3 dBm
ATTEN 10 dB
10 dB/
OFFSET
10.0
dB
CENTER 805.89 MHz
RES BW 300 Hz
VBW 1 kHz
SPAN 1.00 MHz
SWP 30.0 sec
Customer: BBM Electronics
Test Sample: 782 MHz to 806 MHz Wireless FM Transmitter
Model No.: S4000MTX FCC ID: F3S4KMTX
Test Method: Occupied Bandwidth, Paragraph 2.989
Notes: Center Frequency= 805.9 MHz
Audio Input =2500 Hz at 50% Modulation plus 16 dB
Date: March 11,1998 Tech. T. Schneider Sheet 5 of 6
Retlif Testing Laboratories
Report No. R-7456-5




Report No. R-7456-5

Retlif Testing Laboratories

Report No. R-7456-5

EXHIBIT H

Paragraph 2.991

Antenna Conducted Emissions

## ANTENNA CONDUCTED EMISSIONS (PARA.2.991)

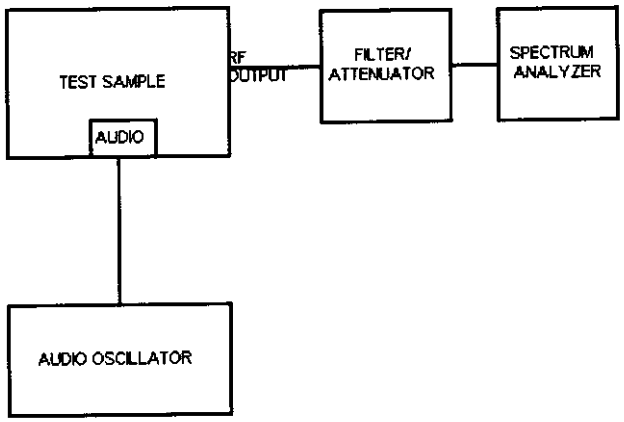
A. Measurement Procedure:

The RF output of the test sample was coupled to a spectrum analyzer. The test sample was then modulated as stated in the occupied bandwidth test. The frequency range was scanned from the lowest frequency generated by the test sample to its tenth harmonic. The limits for the spurious emissions are calculated utilizing the measured output power and the following equation:

$$\text{Limit} = \text{Level of Fundamental} - (43 + 10 \log P_T)$$

The above was performed at the low, mid and high frequencies.

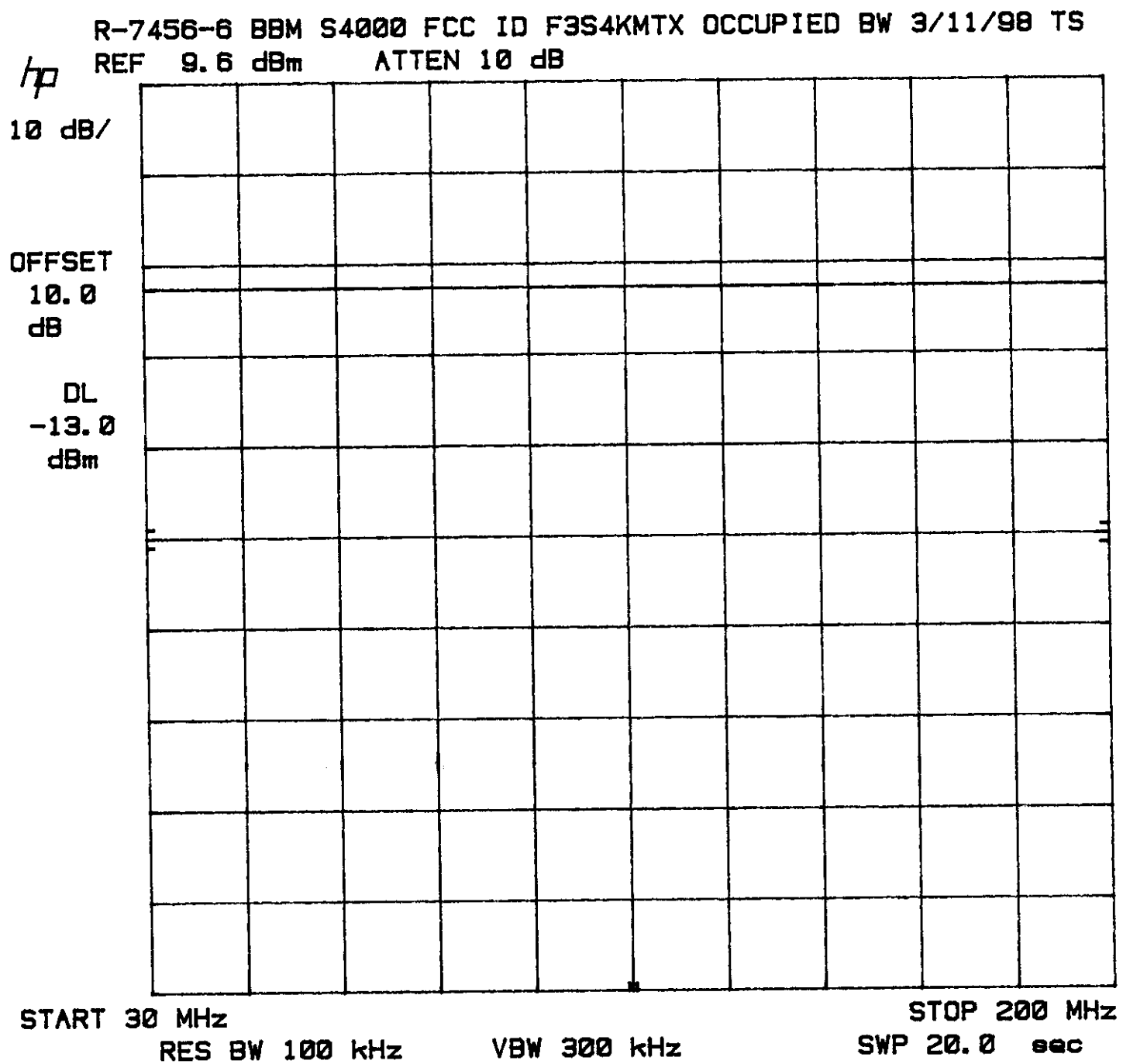
Setup of the test is shown below:




B. Test Results:

The results for the above test are shown on the following (18) data sheets.

| | |
|---|---|
| Customer: | BBM Electronics |
| Test Sample: | 782 MHz to 806 MHz Wireless FM Transmitter |
| Model No: | S4000MTX FCC ID: F3S4KMTX |
| Test Method: | Antenna Conducted Emissions, Paragraph 2.991 |
| Notes: | Center Frequency= 782.1 MHz<br>Audio Input = 15000 Hz at 50% Modulation plus 16 dB |
| Date: | March 11,1998 |
| Tech: | T. Schneider |
| Sheet: | 1 of 18 |




**Retlif Testing Laboratories**

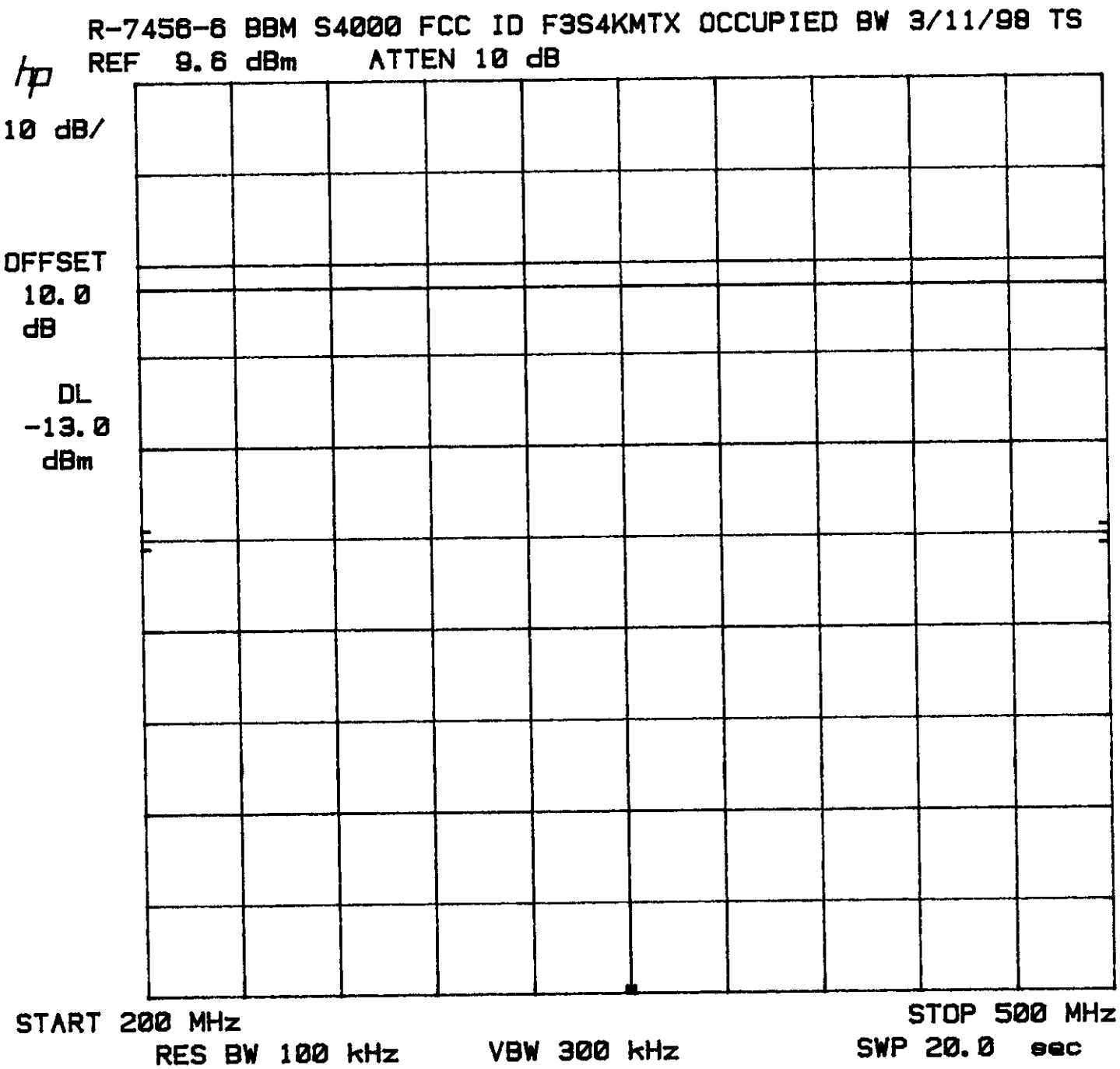
Report No. R-7456-5

| | |
|---|---|
| Customer: | BBM Electronics |
| Test Sample: | 782 MHz to 806 MHz Wireless FM Transmitter |
| Model No: | S4000MTX FCC ID: F3S4KMTX |
| Test Method: | Antenna Conducted Emissions, Paragraph 2.991 |
| Notes: | Center Frequency= 782.1 MHz |
| | Audio Input = 15000 Hz at 50% Modulation plus 16 dB |

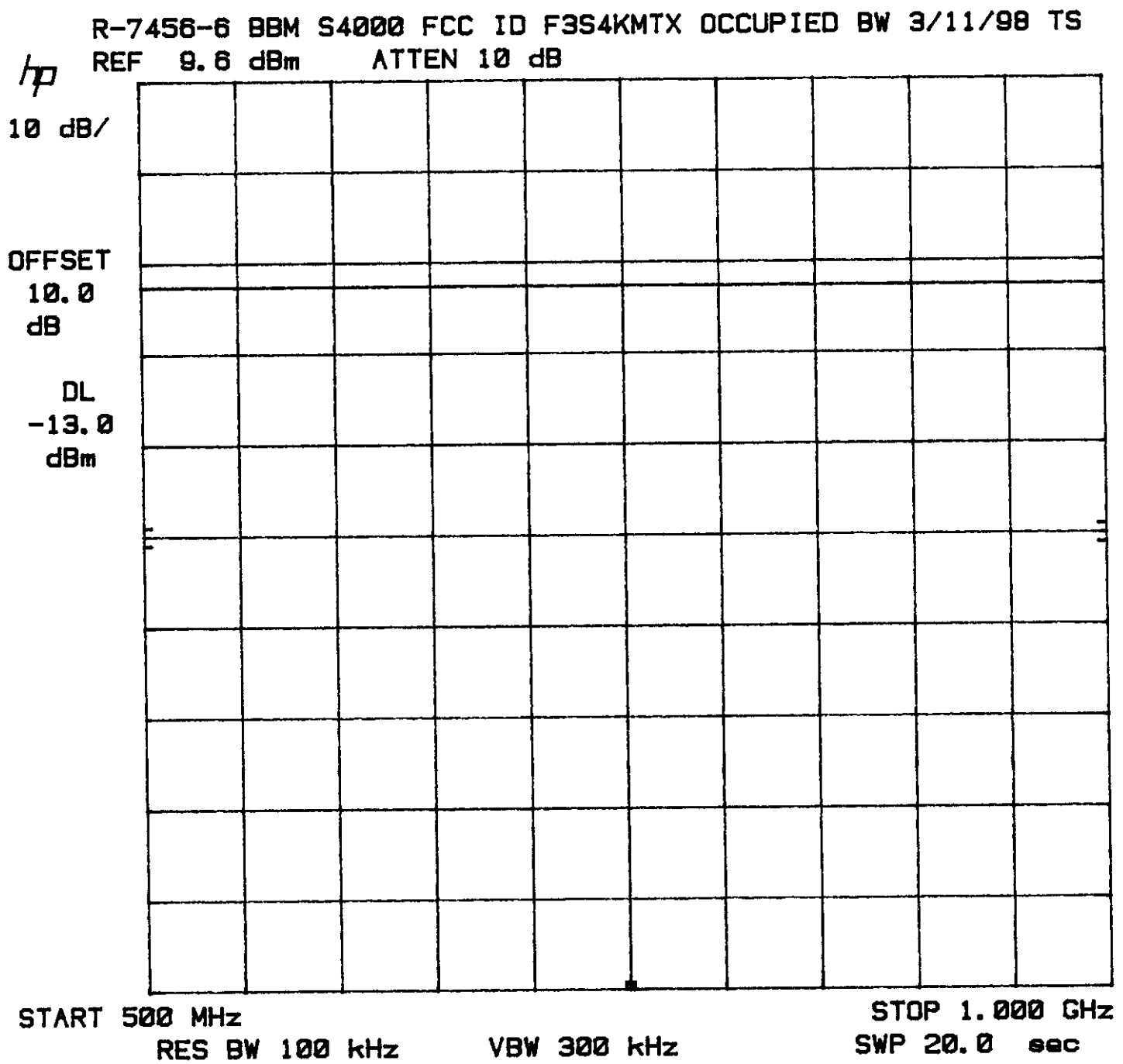
| Date | Tech | Sheet | of |
|---|---|---|---|
| March 11,1998 | T. Schneider | 2 | 18 |

**Retlif Testing Laboratories**

Report No. R-7456-5



| | |
|---|---|
| Customer: | BBM Electronics |
| Test Sample: | 782 MHz to 806 MHz Wireless FM Transmitter |
| Model No: | S4000MTX FCC ID: F3S4KMTX |
| Test Method: | Antenna Conducted Emissions, Paragraph 2.991 |
| Notes: | Center Frequency= 782.1 MHz |
| | Audio Input = 15000 Hz at 50% Modulation plus 16 dB |
| Date: | March 11,1998 |
| Tech: | T. Schneider |
| Sheet | 3 of 18 |

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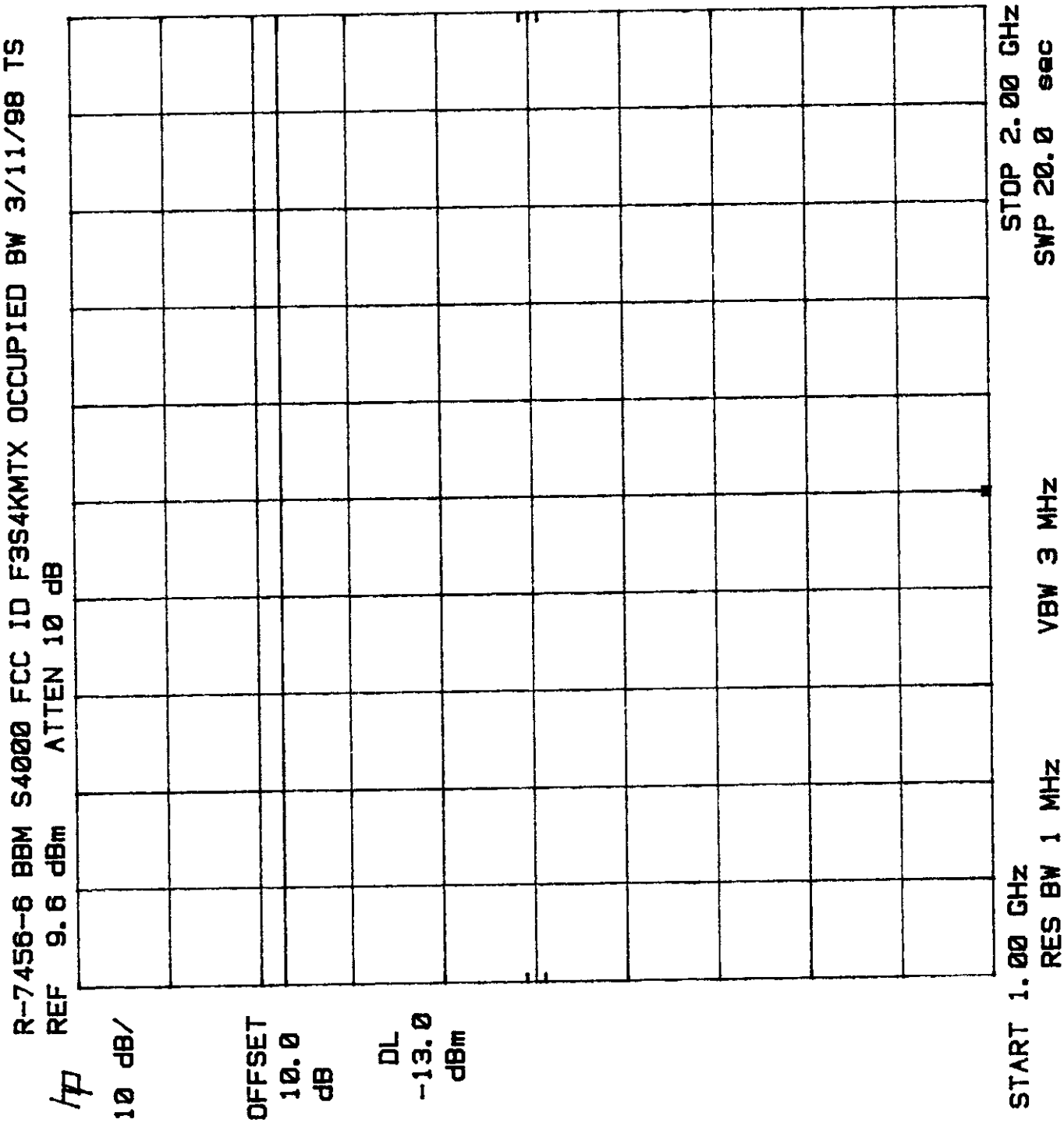
Report No. R-7456-5




| | |
|---|---|
| Customer: | BBM Electronics |
| Test Sample: | 782 MHz to 806 MHz Wireless FM Transmitter |
| Model No.: | S4000MTX FCC ID: F3S4KMTX |
| Test Method: | Occupied Bandwidth, Paragraph 2.989 |
| Notes: | Center Frequency= 782.1 MHz |
| | Audio Input =15000 Hz at 50% Modulation plus 16 dB |

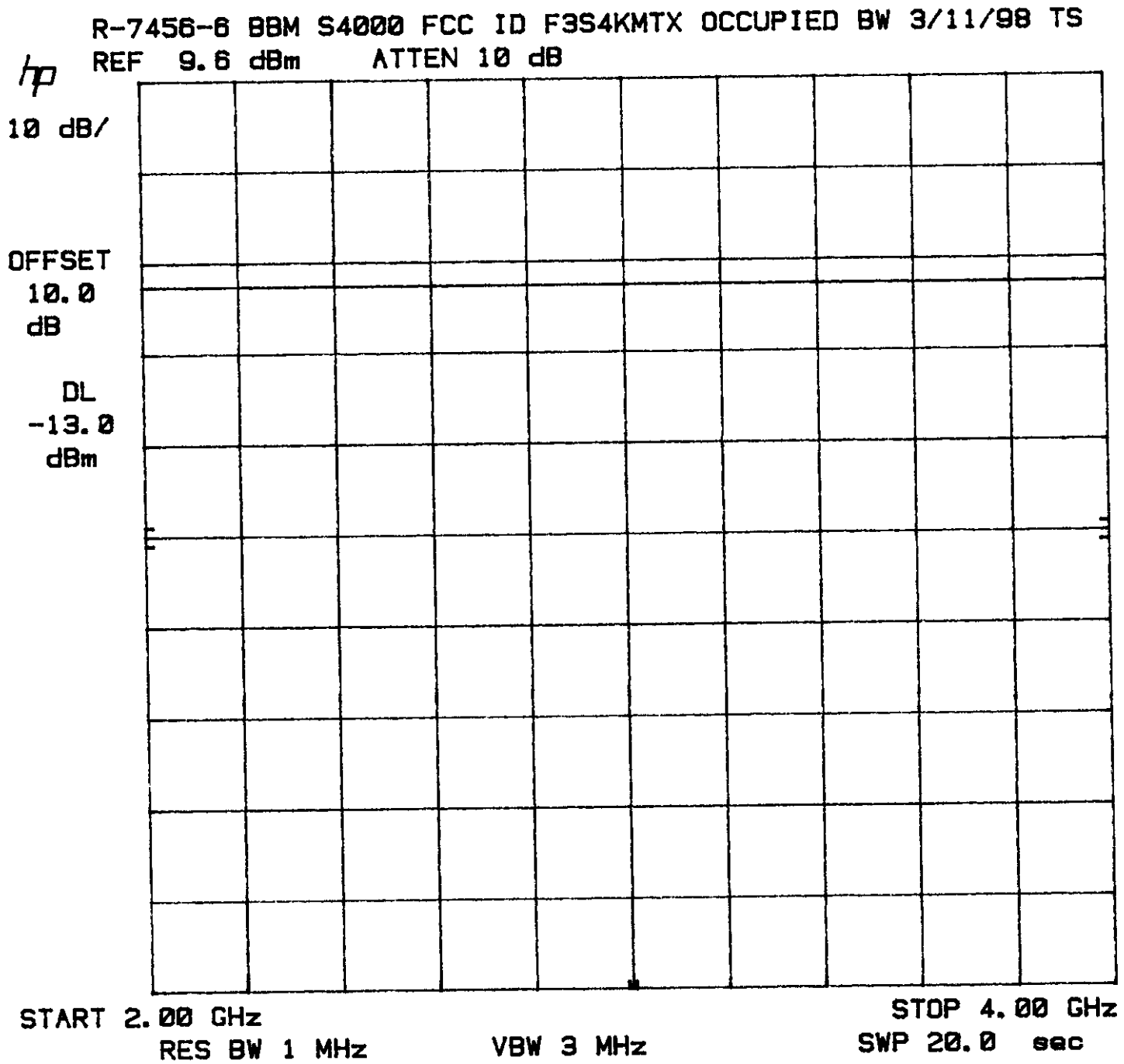
Date: March 11,1998 Tech: T. Schneider Sheet 4 of 18

**Retlif Testing Laboratories**

Report No. R-7456-5

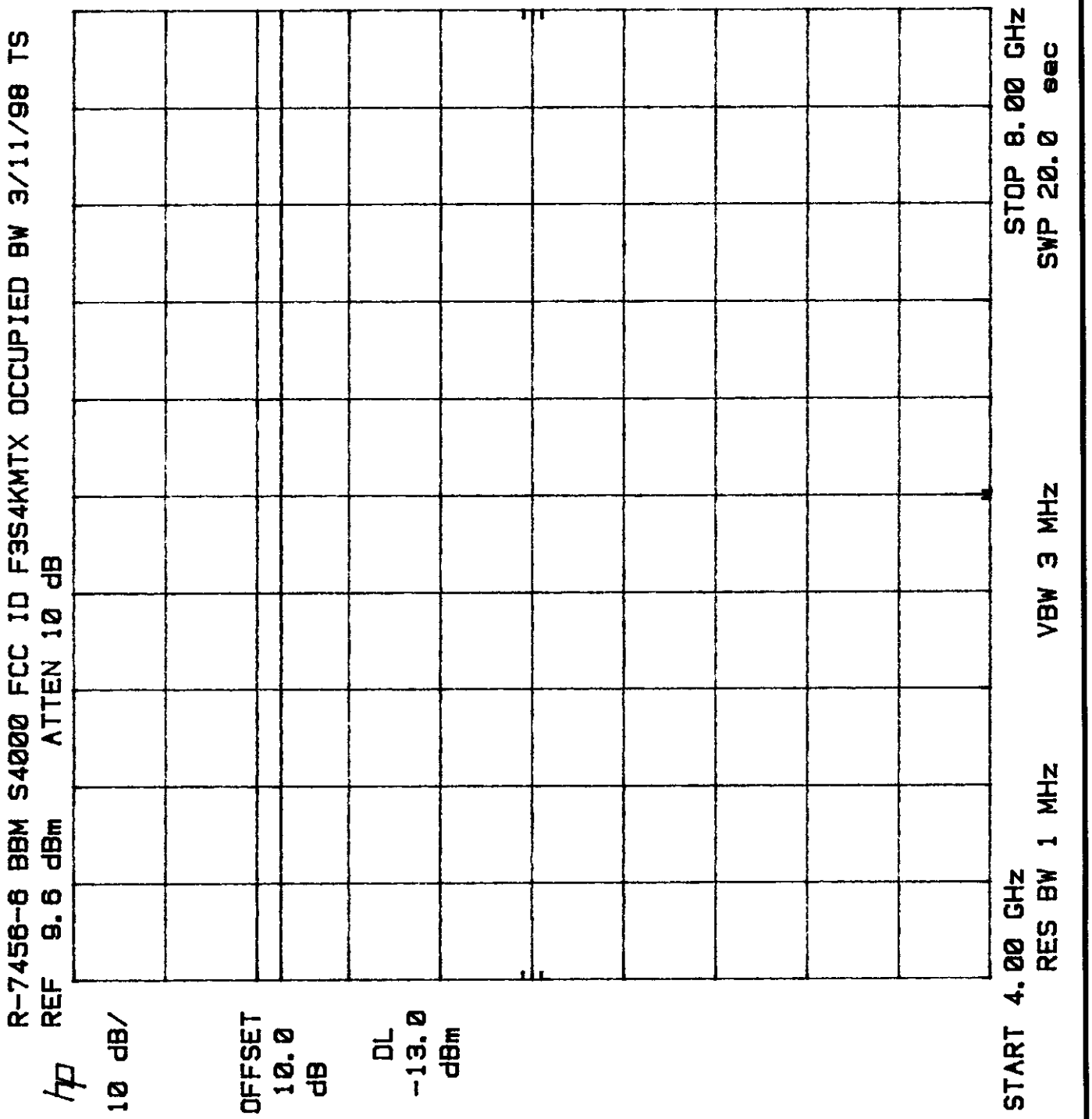
| | |
|---|---|
| Customer: | BBM Electronics |
| Test Sample: | 782 MHz to 806 MHz Wireless FM Transmitter |
| Model No: | S4000MTX FCC ID: F3S4KMTX |
| Test Method: | Antenna Conducted Emissions, Paragraph 2.991 |
| Notes: | Center Frequency= 782.1 MHz<br>Audio Input = 15000 Hz at 50% Modulation plus 16 dB |

Date: March 11,1998 Tech: T. Schneider Sheet 5 of 18




Retlif Testing Laboratories

Report No. R-7456-5

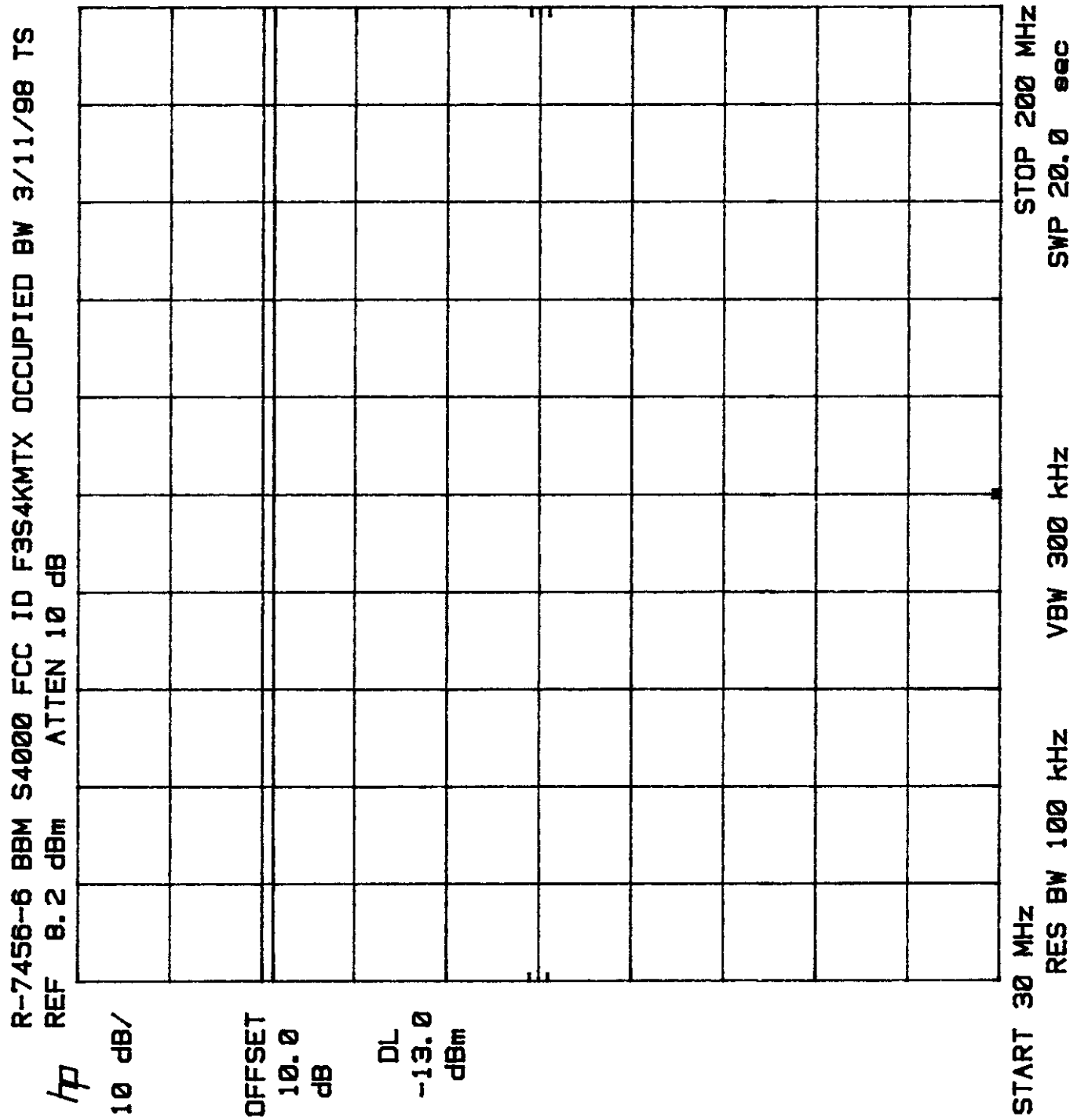



| | |
|---|---|
| Customer: | BBM Electronics |
| Test Sample: | 782 MHz to 806 MHz Wireless FM Transmitter |
| Model No.: | S4000MTX FCC ID: F3S4KMTX |
| Test Method: | Antenna Conducted Emissions, Paragraph 2.991 |
| Notes: | Center Frequency= 782.1 MHz |
| | Audio Input = 15000 Hz at 50% Modulation plus 16 dB |

Date: March 11,1998 Tech. T. Schneider Sheet 6 of 18

**Retlif Testing Laboratories**

Report No. R-7456-5

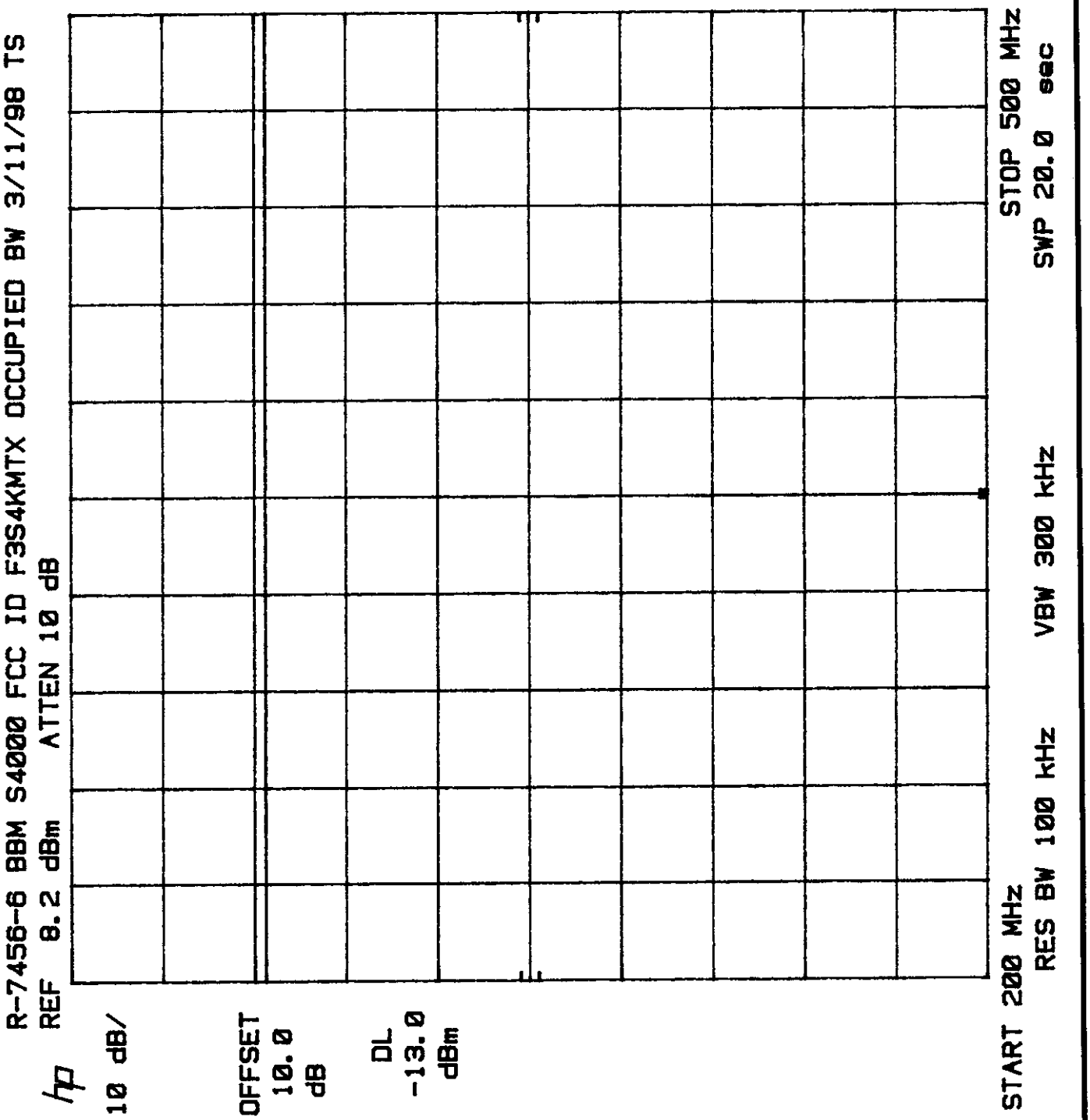



| | |
|---|---|
| Customer: | BBM Electronics |
| Test Sample: | 782 MHz to 806 MHz Wireless FM Transmitter |
| Model No.: | S4000MTX FCC ID: F3S4KMTX |
| Test Method: | Antenna Conducted Emissions, Paragraph 2.991 |
| Notes: | Center Frequency= 794.1 MHz |
| | Audio Input = 15000 Hz at 50% Modulation plus 16 dB |

Date: March 11,1998 Tech: T. Schneider Sheet 7 of 18

**Retlif Testing Laboratories**

Report No. R-7456-5

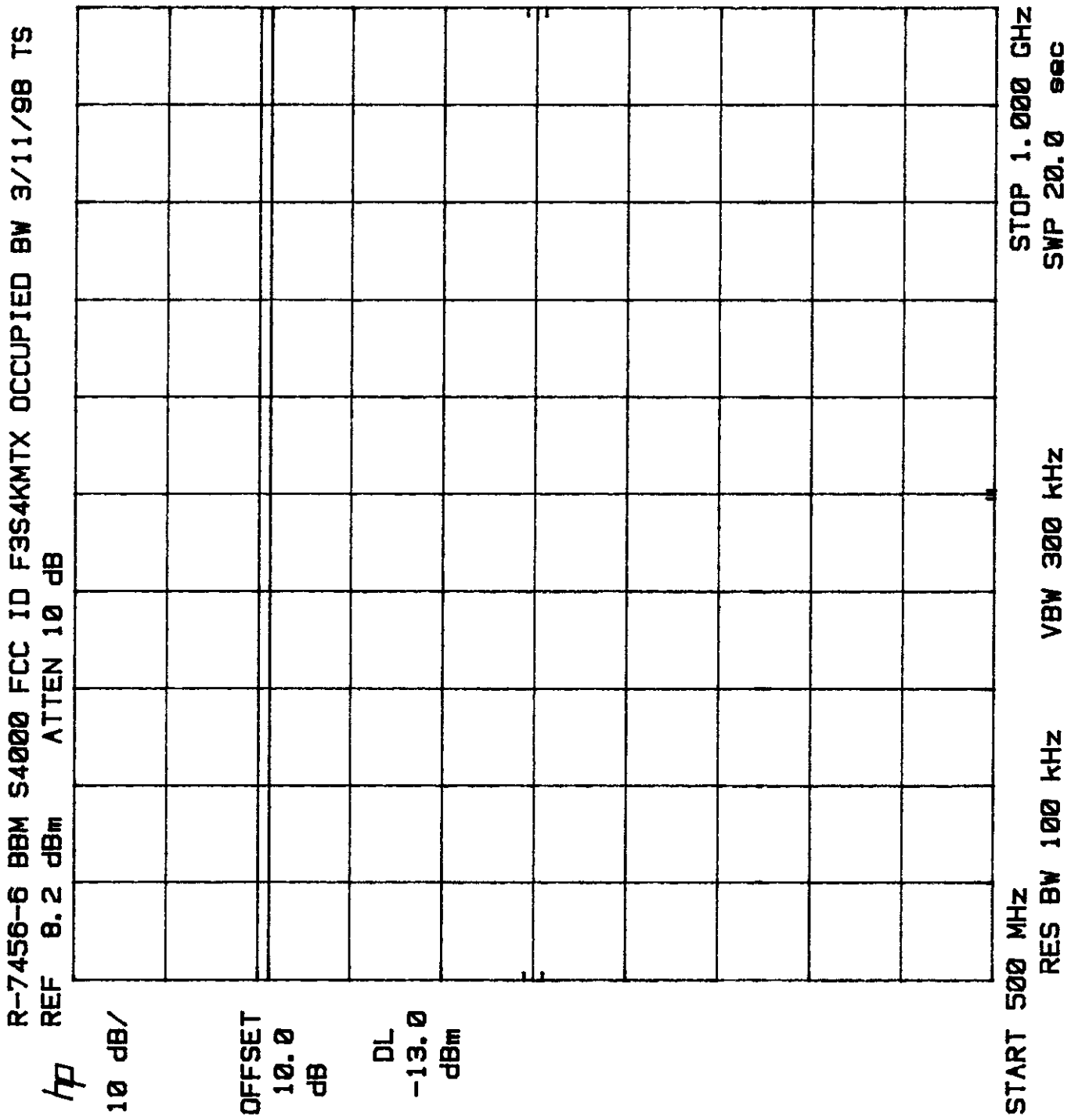



| | |
|---|---|
| Customer: | BBM Electronics |
| Test Sample: | 782 MHz to 806 MHz Wireless FM Transmitter |
| Model No.: | S4000MTX FCC ID: F3S4KMTX |
| Test Method: | Antenna Conducted Emissions, Paragraph 2.991 |
| Notes: | Center Frequency= 794.1 MHz |
| | Audio Input = 15000 Hz at 50% Modulation plus 16 dB |

Date: March 11,1998 Tech: T. Schneider Sheet 8 of 18

**Retlif Testing Laboratories**

Report No. R-7456-5

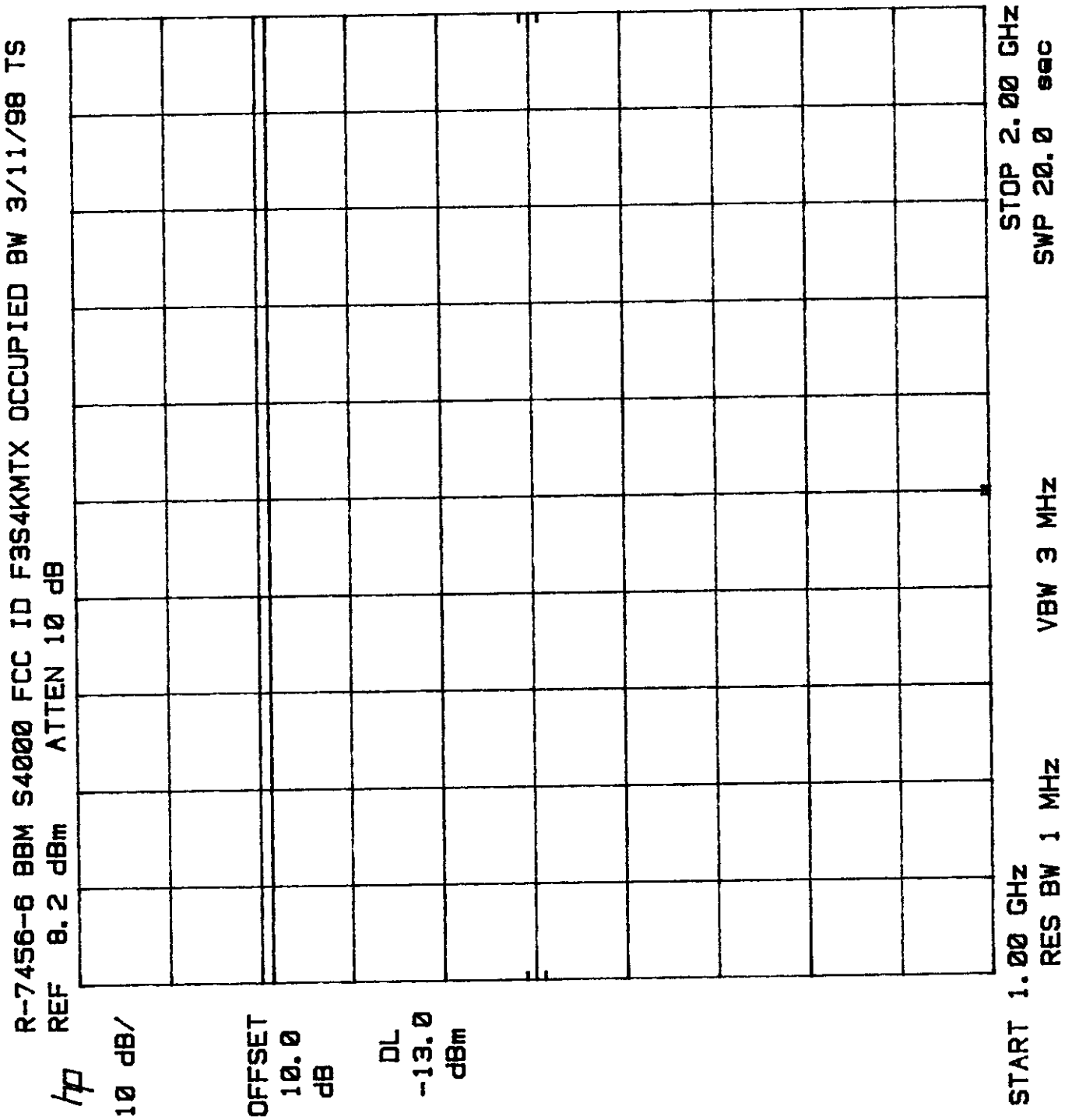



| | |
|---|---|
| Customer: | BBM Electronics |
| Test Sample: | 782 MHz to 806 MHz Wireless FM Transmitter |
| Model No.: | S4000MTX FCC ID: F3S4KMTX |
| Test Method: | Antenna Conducted Emissions, Paragraph 2.991 |
| Notes: | Center Frequency= 794.1 MHz |
| | Audio Input = 15000 Hz at 50% Modulation plus 16 dB |

Date: March 11,1998 Tech. T. Schneider Sheet 9 of 18

**Retlif Testing Laboratories**

Report No. R-7456-5



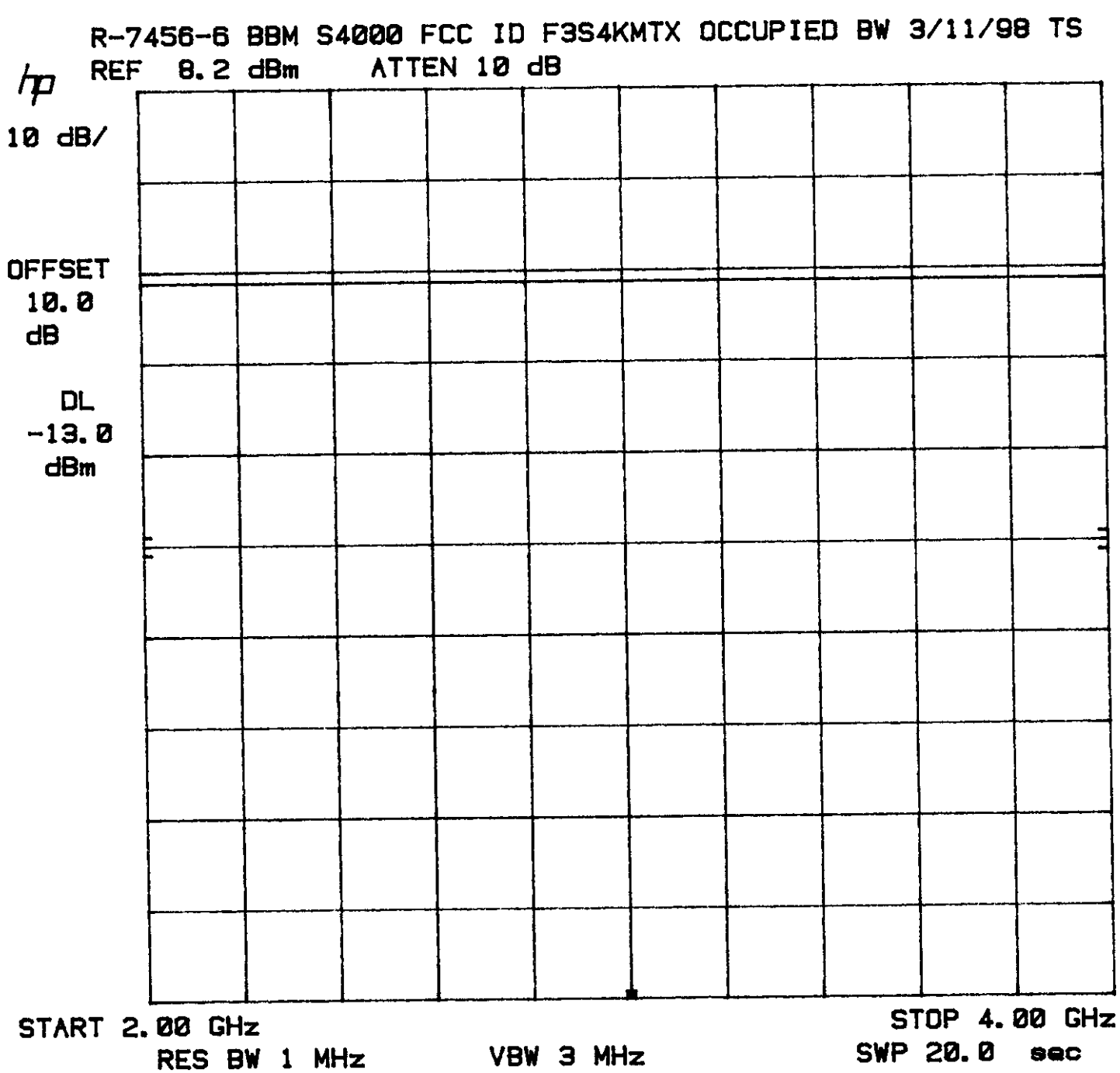

| | |
|---|---|
| Customer: | BBM Electronics |
| Test Sample: | 782 MHz to 806 MHz Wireless FM Transmitter |
| Model No.: | S4000MTX FCC ID: F3S4KMTX |
| Test Method: | Antenna Conducted Emissions, Paragraph 2.991 |
| Notes: | Center Frequency= 794.1 MHz |
| | Audio Input = 15000 Hz at 50% Modulation plus 16 dB |

Date: March 11,1998 Tech: T. Schneider Sheet 10 of 18

**Retlif Testing Laboratories**

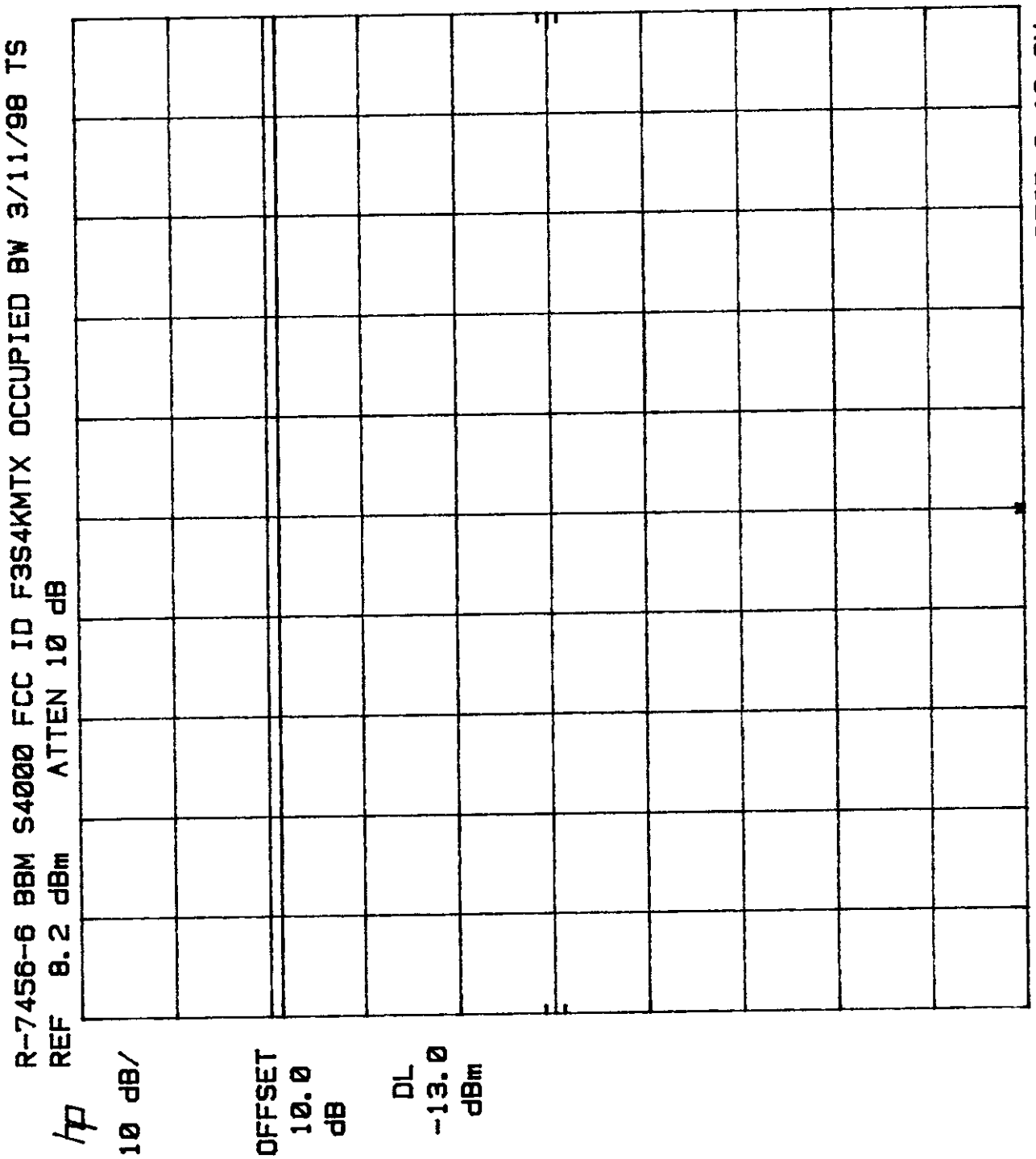
Report No. R-7456-5

| | |
|---|---|
| Customer: | BBM Electronics |
| Test Sample: | 782 MHz to 806 MHz Wireless FM Transmitter |
| Model No: | S4000MTX FCC ID: F3S4KMTX |
| Test Method: | Antenna Conducted Emissions, Paragraph 2.991 |
| Notes: | Center Frequency= 794.1 MHz |
| | Audio Input = 15000 Hz at 50% Modulation plus 16 dB |
| Date: March 11,1998 | Tech. T. Schneider Sheet 11 of 18 |




Retlif Testing Laboratories

Report No. R-7456-5




| | |
|---|---|
| Customer: | BBM Electronics |
| Test Sample: | 782 MHz to 806 MHz Wireless FM Transmitter |
| Model No.: | S4000MTX FCC ID: F3S4KMTX |
| Test Method: | Antenna Conducted Emissions, Paragraph 2.991 |
| Notes: | Center Frequency= 794.1 MHz |
| | Audio Input = 15000 Hz at 50% Modulation plus 16 dB |

Date: March 11,1998 Tech: T. Schneider Sheet 12 of 18

**Retlif Testing Laboratories**

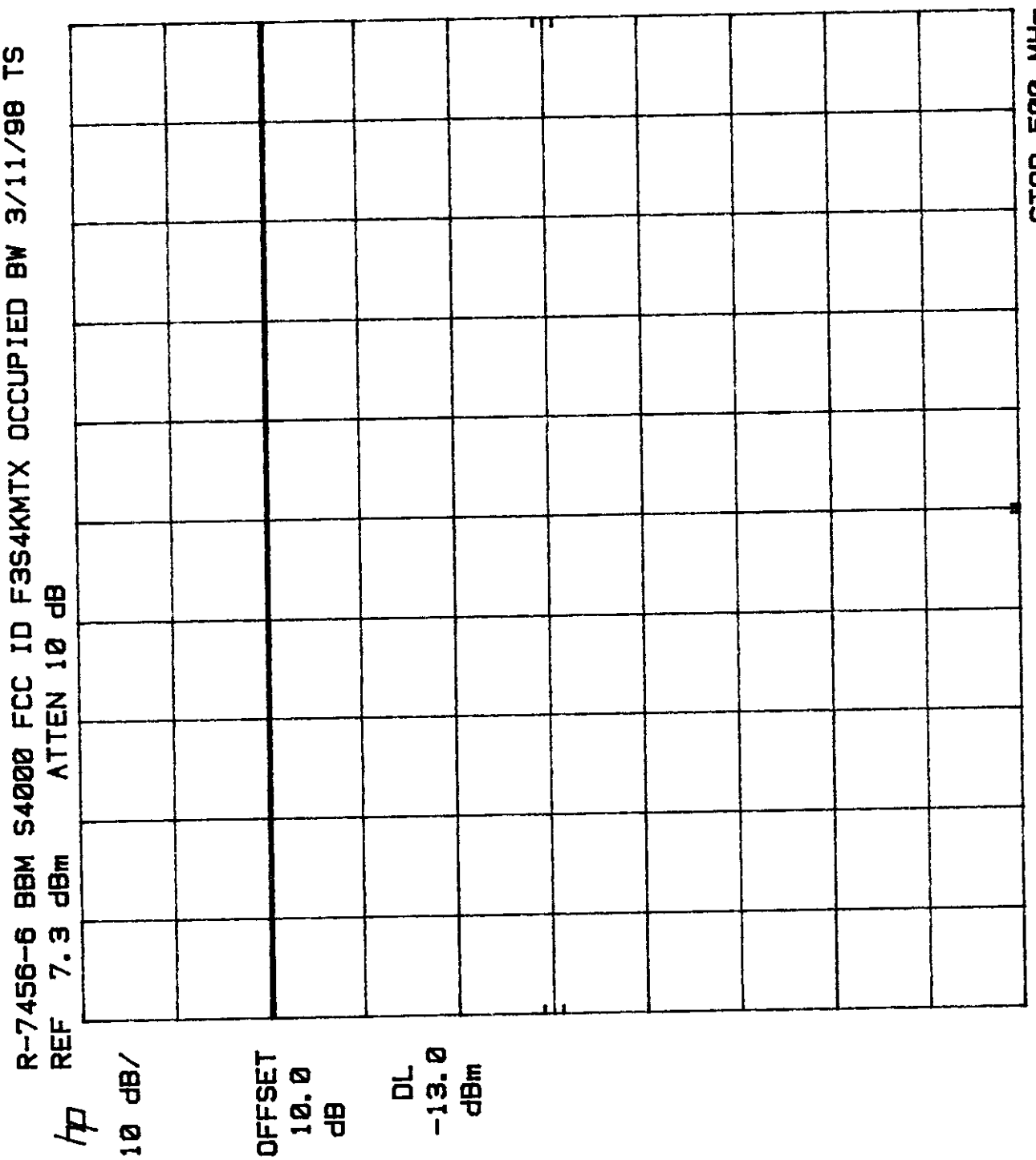
Report No. R-7456-5

| | |
|---|---|
| Customer: | BBM Electronics |
| Test Sample: | 782 MHz to 806 MHz Wireless FM Transmitter |
| Model No.: | S4000MTX FCC ID: F3S4KMTX |
| Test Method: | Antenna Conducted Emissions, Paragraph 2.991 |
| Notes: | Center Frequency= 805.9 MHz |
| | Audio Input = 15000 Hz at 50% Modulation plus 16 dB |

Date: March 11,1998 Tech: T. Schneider Sheet 13 of 18

**Retlif Testing Laboratories**

Report No. R-7456-5

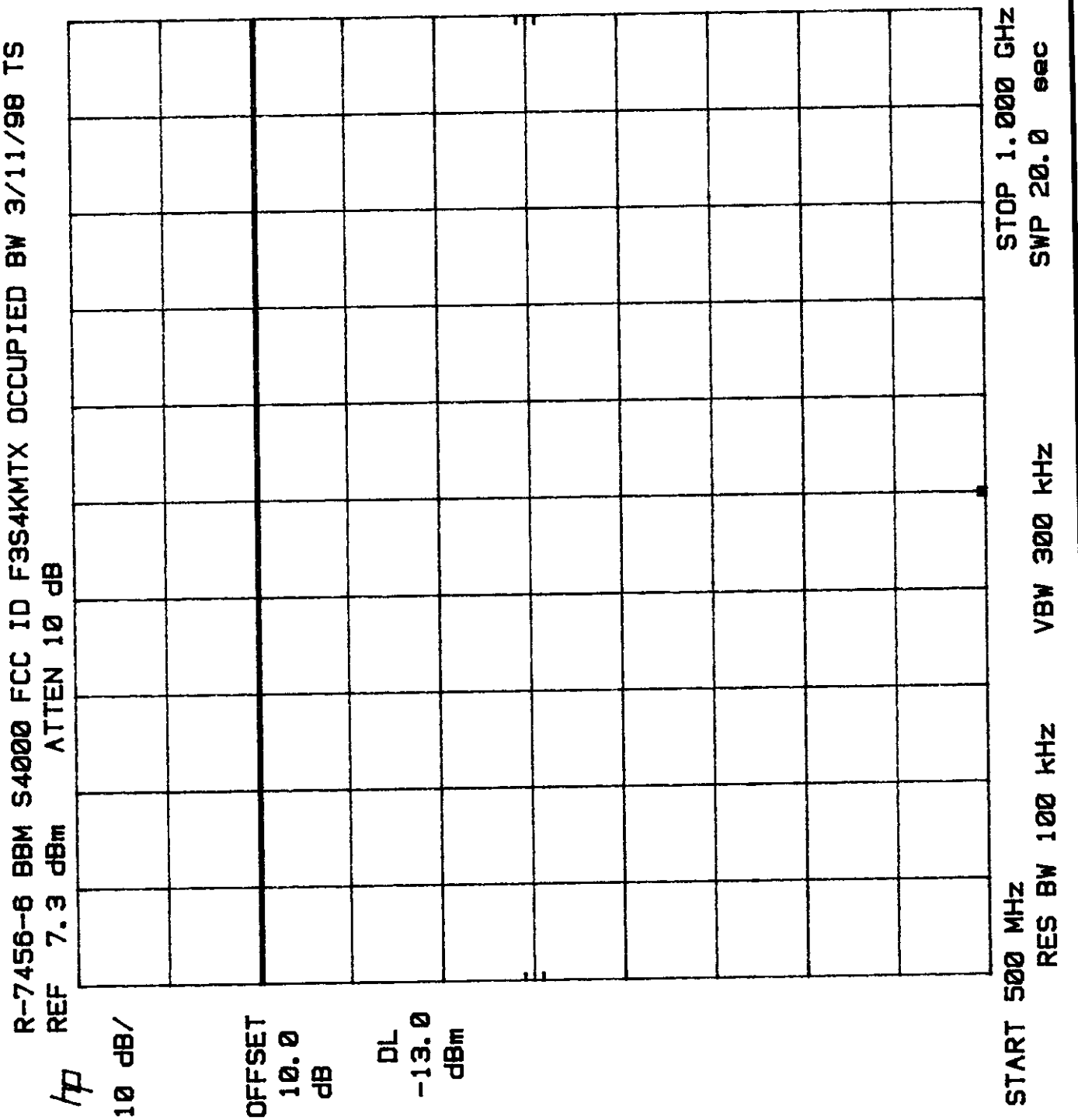



| | |
|---|---|
| Customer: | BBM Electronics |
| Test Sample: | 782 MHz to 806 MHz Wireless FM Transmitter |
| Model No.: | S4000MTX FCC ID: F3S4KMTX |
| Test Method: | Antenna Conducted Emissions, Paragraph 2.991 |
| Notes: | Center Frequency= 805.9 MHz |
| | Audio Input = 15000 Hz at 50% Modulation plus 16 dB |

Date: March 11,1998 Tech: T. Schneider Sheet 14 of 18

**Retlif Testing Laboratories**

Report No. R-7456-5



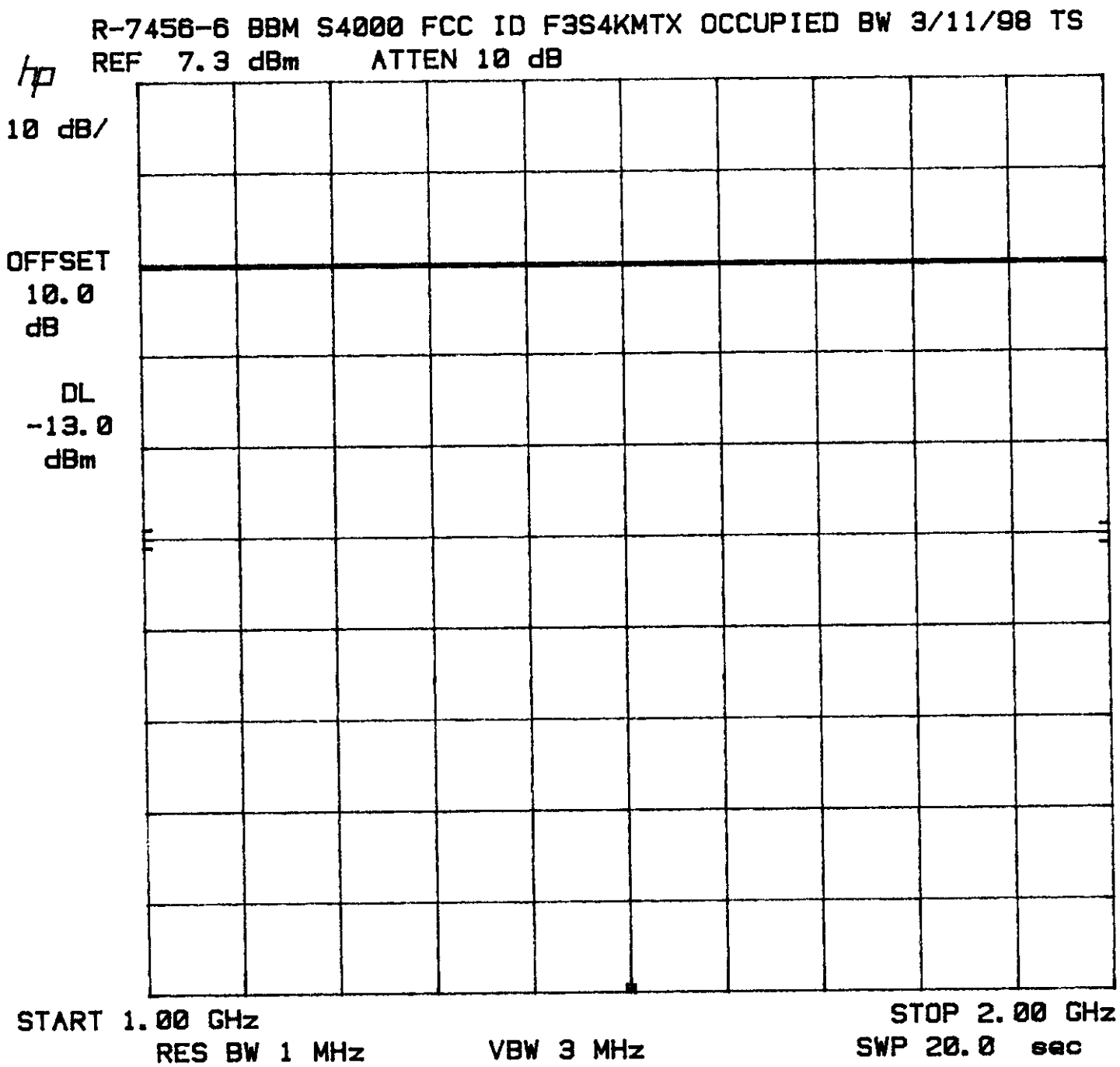

| | |
|---|---|
| Customer: | BBM Electronics |
| Test Sample: | 782 MHz to 806 MHz Wireless FM Transmitter |
| Model No: | S4000MTX FCC ID: F3S4KMTX |
| Test Method: | Antenna Conducted Emissions, Paragraph 2.991 |
| Notes: | Center Frequency= 805.9 MHz<br>Audio Input = 15000 Hz at 50% Modulation plus 16 dB |

Date: March 11,1998 Tech: T. Schneider Sheet 15 of 18

**Retlif Testing Laboratories**

Report No. R-7456-5

| | |
|---|---|
| Customer: | BBM Electronics |
| Test Sample: | 782 MHz to 806 MHz Wireless FM Transmitter |
| Model No: | S4000MTX FCC ID: F3S4KMTX |
| Test Method: | Antenna Conducted Emissions, Paragraph 2.991 |
| Notes: | Center Frequency= 805.9 MHz<br>Audio Input = 15000 Hz at 50% Modulation plus 16 dB |
| Date: | March 11,1998 |
| Tech: | T. Schneider |
| Sheet | 16 of 18 |

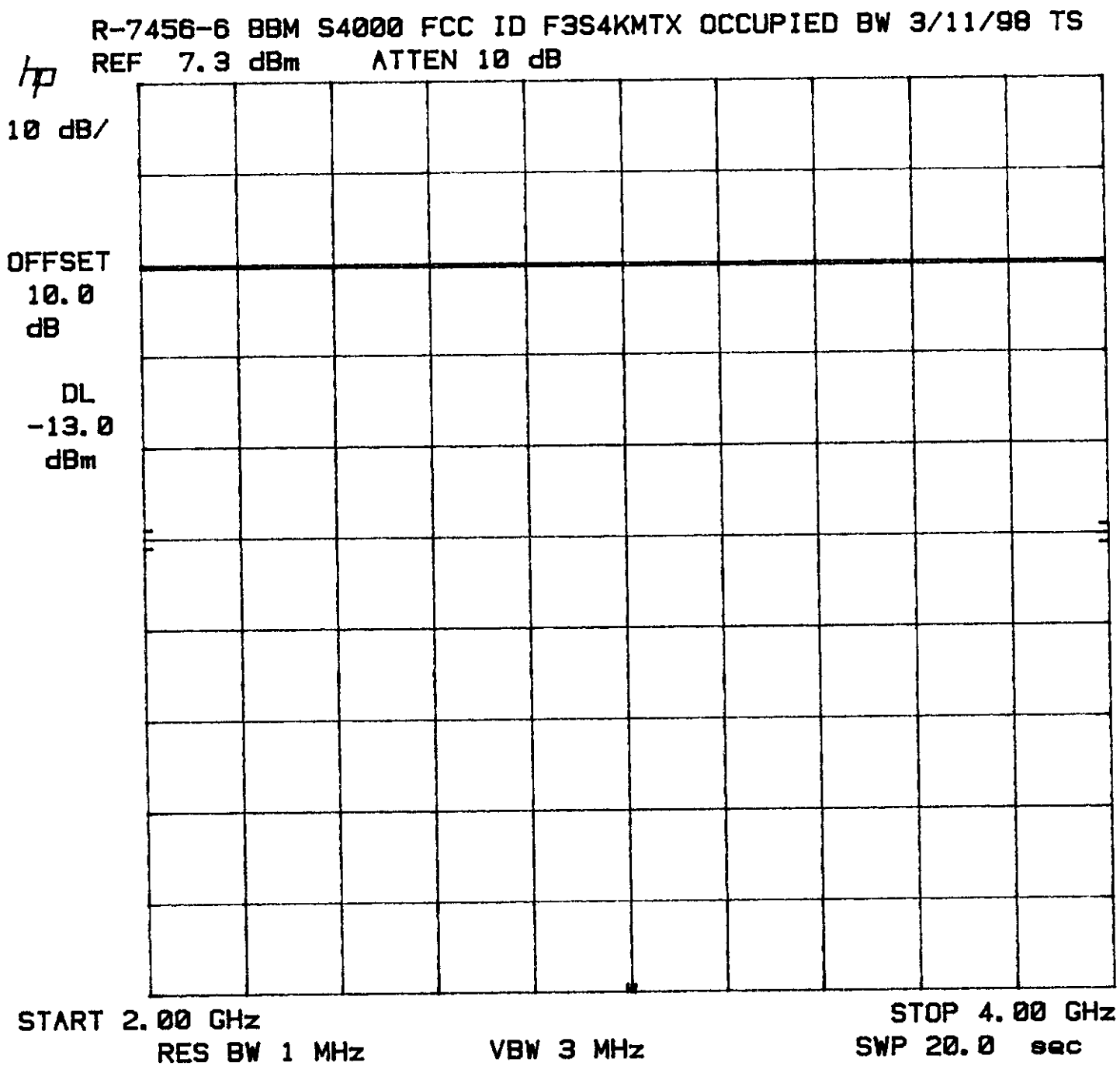



Retlif Testing Laboratories

Report No. R-7456-5

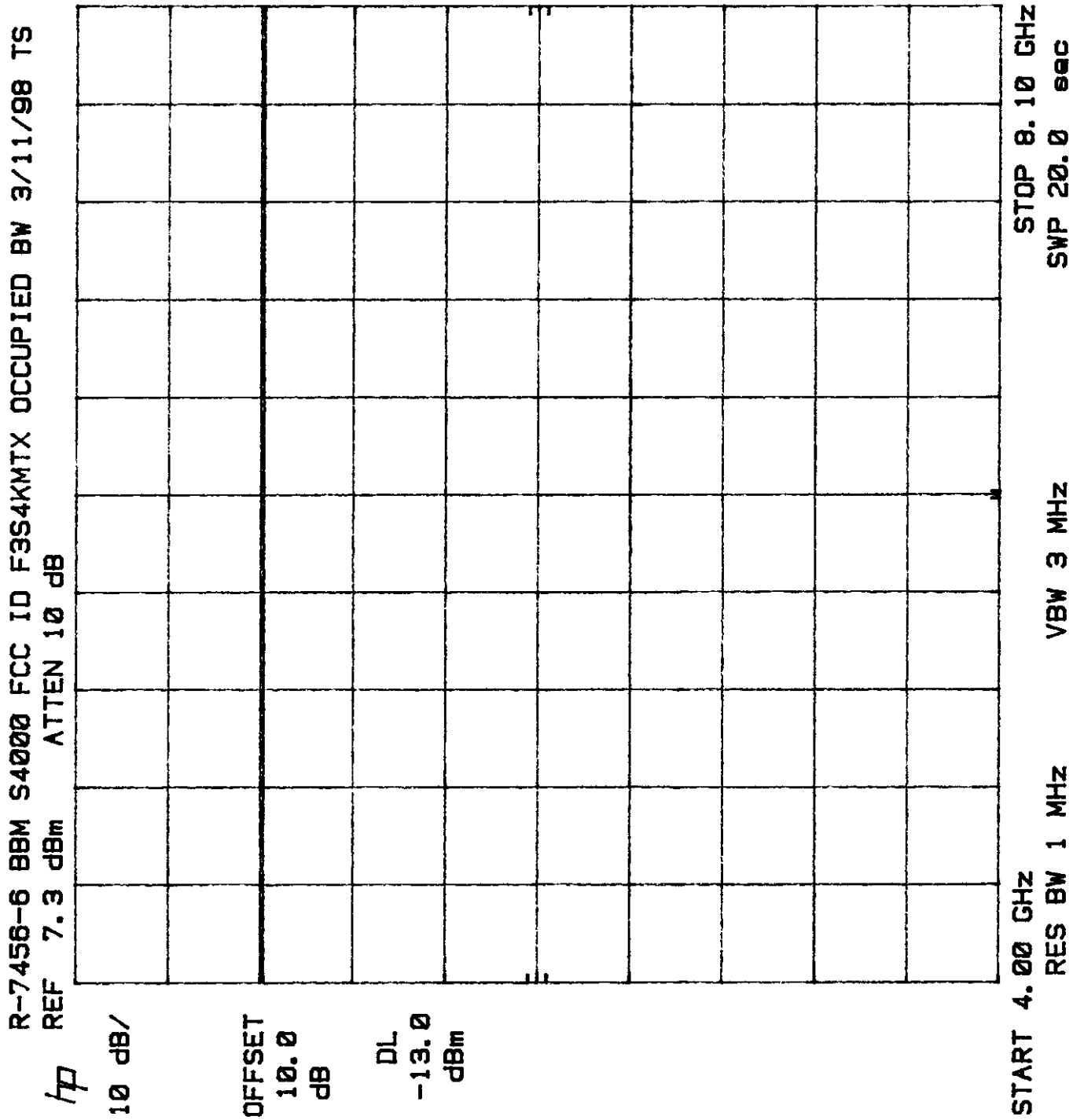
| | |
|---|---|
| Customer: | BBM Electronics |
| Test Sample: | 782 MHz to 806 MHz Wireless FM Transmitter |
| Model No: | S4000MTX FCC ID: F3S4KMTX |
| Test Method: | Antenna Conducted Emissions, Paragraph 2.991 |
| Notes: | Center Frequency= 805.9 MHz |
| | Audio Input = 15000 Hz at 50% Modulation plus 16 dB |

Date: March 11,1998 Tech: T. Schneider Sheet: 17 of 18




Retlif Testing Laboratories

Report No. R-7456-5




| | |
|---|---|
| Customer: | BBM Electronics |
| Test Sample: | 782 MHz to 806 MHz Wireless FM Transmitter |
| Model No.: | S4000MTX FCC ID: F3S4KMTX |
| Test Method: | Antenna Conducted Emissions, Paragraph 2.991 |
| Notes: | Center Frequency= 805.9 MHz |
| | Audio Input = 15000 Hz at 50% Modulation plus 16 dB |

Date: March 11,1998 Tech. T. Schneider Sheet 18 of 18

**Retlif Testing Laboratories**

Report No. R-7456-5

EXHIBIT H

Para. 2.993

Field Strength of Spurious Radiation

## FIELD STRENGTH OF SPURIOUS RADIATION (PARA 2.993)

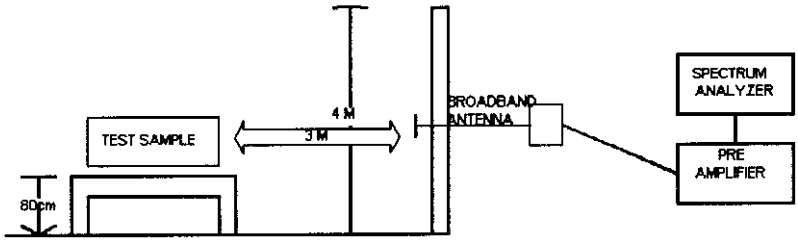
A. Measurement Procedure:

The test sample was then placed on an 80cm high wooden test stand which was located three meters from the test antenna on an FCC listed test site. The frequency range scanned was from the lowest frequency generated by the test sample to its tenth harmonic. In order to maximize the level of each emission observed from the test sample, the broadband antenna was tuned to the frequency of each emission and the test sample was rotated 360 degrees. To further maximize the each emission observed, the test antenna was both horizontally and vertically polarized, and then was raised and lowered from one to four meters from the ground plane. The limits for all of the spurious emissions was calculated utilizing the measured output power and the following equation:

$$\text{Limit } \langle dB\mu V/M \rangle = 20 \log [\{(49.2 \times P_T)^{1/2}/3\} \times 10^6] - (43 + 10 \log P_T)$$

The above procedure was performed at the lower, middle and upper frequencies of the device's range.

Setup of the test is shown below:




B. Test Results:

The results for the above test are shown on the following three (3) data sheets.

# RETLIF TESTING LABORATORIES

## TABULAR DATA SHEET

TEST METHOD: **SPURIOUS EMISSIONS, PARAGRAPH 2.993**

CUSTOMER: BBM Electronic Group Limited JOB No.: R-7456-5

TEST SAMPLE: 794 Mhz - 806 Mhz UHF FM Transmitter FCC ID: F3S4KMTX

MODEL No.: S4000MTX SERIAL No.: N/A

TEST SPECIFICATION: FCC PART 74: Low Power Auxiliary Stations PARAGRAPH: 74.861

OPERATING MODE: CONTINUOUSLY TRANSMITTING A CW SIGNAL AT CENTER FREQUENCY

TECHNICIAN: Dennis Cortes DATE: 3/12/98

NOTES: Center Frequency= 794.10 Mhz Distance= 3 Meters LIMIT = (49.2 X OUTPUT POWER)/3 (43 + 10log OUTPUT POWER)

| TEST FREQUENCY | Antenna Position | Turntable Position | METER READING | Correction Factor | CORRECTED READING | CONVERTED READING | | LIMIT |
|---|---|---|---|---|---|---|---|---|
| MHz | (H/V) - Height | Degrees | dBuV | dB | dBuV/m | uV/m | | uV/m |
| 1588.20 | V-1.4 | 270 | 67.2 | -4.1 | 63.1 | 1428.9 | | 16596 |
| 2382.30 | V-1.3 | 180 | 68.0 | -0.4 | 67.6 | 2398.8 | | 16596 |
| 3176.40 | V-1.4 | 203 | 62.5 | 3.6 | 66.1 | 2018.4 | | 16596 |
| 3970.50 | V-1.5 | 135 | 59.4 | 8.7 | 68.1 | 2541.0 | | 16596 |
| 4764.60 | V-1.4 | 180 | 66.5 | 8.8 | 75.3 | 5821.0 | | 16596 |
| 5558.70 | V-1.5 | 180 | 60.0 | 18.9 | 78.9 | 8810.5 | | 16596 |
| 6352.80 | V-1.4 | 180 | 49.9 | 19.7 | 69.6 | 3020.0 | | 16596 |

The frequency range was scanned from 30 MHz to 8.1 GHz. All emissions not recorded were more than 10dB below the specified limit. Emissions observed from the EUT do not exceed the specified limit.

# RETLIF TESTING LABORATORIES

## TABULAR DATA SHEET

TEST METHOD: **SPURIOUS EMISSIONS, PARAGRAPH 2.993**

CUSTOMER: BBM Electronic Group Limited JOB No.: R-7456-5

TEST SAMPLE: 794 Mhz - 806 Mhz UHF FM Transmitter FCC ID: F3S4KMTX

MODEL No.: S4000MTX SERIAL No.: N/A

TEST SPECIFICATION: FCC PART 74: Low Power Auxiliary Stations PARAGRAPH: 74.861

OPERATING MODE: CONTINUOUSLY TRANSMITTING A CW SIGNAL AT CENTER FREQUENCY

TECHNICIAN: Dennis Cortes DATE: 3/12/98

NOTES: Center Frequency= 782.10 Mhz Distance= 3 Meters LIMIT = (49.2 X OUTPUT POWER)$^{1/2}$ / 3 (43 + 10log OUTPUT POWER)

| TEST FREQUENCY | Antenna Position | Turntable Position | METER READING | Correction Factor | CORRECTED READING | CONVERTED READING | | LIMIT |
|---|---|---|---|---|---|---|---|---|
| MHz | (H/V) - Height | Degrees | dBuV | dB | dBuV/m | uV/m | | uV/m |
| 1564.2 | V-2.0 | 270 | 68.3 | -4.4 | 63.9 | 1566.8 | | 16596 |
| 2346.30 | V-1.1 | 180 | 69.6 | -0.6 | 69.0 | 2818.4 | | 16596 |
| 3128.40 | V-1.2 | 180 | 68.1 | 3.6 | 71.7 | 3845.9 | | 16596 |
| 3910.50 | V-1.7 | 135 | 68.5 | 8.3 | 76.8 | 6918.3 | | 16596 |
| 4692.60 | V-1.3 | 180 | 72.2 | 8.7 | 80.9 | 11091.7 | | 16596 |
| 5474.70 | V-1.5 | 180 | 60.0 | 18.6 | 78.6 | 8511.4 | | 16596 |
| 6256.80 | V-1.0 | 180 | 56.8 | 19.8 | 76.6 | 6760.8 | | 16596 |

The frequency range was scanned from 30 MHz to 8.1 GHz. All emissions not recorded were more than 10dB below the specified limit. Emissions observed from the EUT do not exceed the specified limit.

# RETLIF TESTING LABORATORIES

## TABULAR DATA SHEET

TEST METHOD: **SPURIOUS EMISSIONS, PARAGRAPH 2.993**

CUSTOMER: BBM Electronic Group Limited JOB No.: R-7456-5

TEST SAMPLE: 794 Mhz - 806 Mhz UHF FM Transmitter FCC ID: F3S4KMTX

MODEL No.: S4000MTX SERIAL No.: N/A

TEST SPECIFICATION: FCC PART 74: Low Power Auxiliary Stations PARAGRAPH: 74.861

OPERATING MODE: CONTINUOUSLY TRANSMITTING A CW SIGNAL AT CENTER FREQUENCY

TECHNICIAN: Dennis Cortes DATE: 3/12/98

NOTES: Center Frequency= 805.90 Mhz Distance= 3 Meters LIMIT = (49.2 X OUTPUT POWER$^{1/2}$ / 3) - (43 + 10log OUTPUT POWER)

| TEST FREQUENCY | Antenna Position | Turntable Position | METER READING | Correction Factor | CORRECTED READING | CONVERTED READING | | LIMIT |
|---|---|---|---|---|---|---|---|---|
| MHz | (H/V) - Height | Degrees | dBuV | dB | dBuV/m | uV/m | | uV/m |
| 1611.80 | V-1.5 | 270 | 65.3 | -4.1 | 61.2 | 1148.2 | | 16596 |
| 2417.70 | V-1.3 | 180 | 62.2 | 0.3 | 62.5 | 1333.5 | | 16596 |
| 3223.60 | V-1.3 | 113 | 58.2 | 3.9 | 62.1 | 1273.5 | | 16596 |
| 4029.50 | V-1.9 | 090 | 61.7 | 9.0 | 70.7 | 3427.7 | | 16596 |
| 4835.40 | V-1.3 | 180 | 66.8 | 8.9 | 75.7 | 6095.4 | | 16596 |
| 5641.30 | V-1.3 | 180 | 61.7 | 19.2 | 81.9 | 12445.1 | | 16596 |
| 6447.20 | V-1.3 | 180 | 45.9 | 19.6 | 65.5 | 1883.6 | | 16596 |

The frequency range was scanned from 30 MHz to 8.1 GHz. All emissions not recorded were more than 10dB below the specified limit. Emissions observed from the EUT do not exceed the specified limit.

EXHIBIT H

Para. 2.995

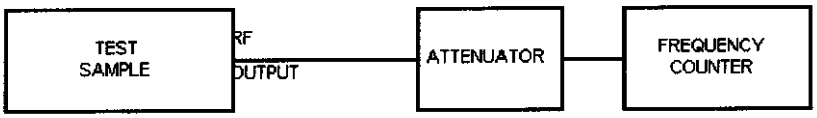
Frequency Stability

## FREQUENCY STABILITY MEASUREMENTS (PARA 2.995)

A. Measurement Procedure (Frequency vs. Voltage):

The RF output of the test sample was coupled to a frequency counter through external attenuation. Using a Variable power supply and voltmeter, the input voltage was varied. Measurements were taken with the device being supplied with 85, 100, and 115 percent of its rated input voltage and set to transmit the unmodulated carrier frequency.

Setup of the test is shown below:




B. Test Results:

The results for the above test are shown on the following single data sheet.

# RETLIF TESTING LABORATORIES

## TABULAR DATA SHEET

TEST METHOD: **FREQUENCY STABILITY ( 85% TO 115% OF INPUT POWER ) Para 2.985**

CUSTOMER: BBM Electronics JOB No.: R-7456-5

TEST SAMPLE: 782 MHz to 806 MHz Wireless FM Transmitter

MODEL No.: S4000MTX SERIAL No: FCC ID: F3S4KMTX

TEST SPECIFICATION: FCC Part 74 Experimental Radio, Auxiliary, Special Broadcast and other Program Distributional Services. PARAGRAPH: 74.861 (e) (4)

OPERATING MODE: Transmitting a CW signal at center frequency of 794.1 MHz

TECHNICIAN: T. Schneider DATE: 3/09/98

NOTES: Level adjustment set at maximum.

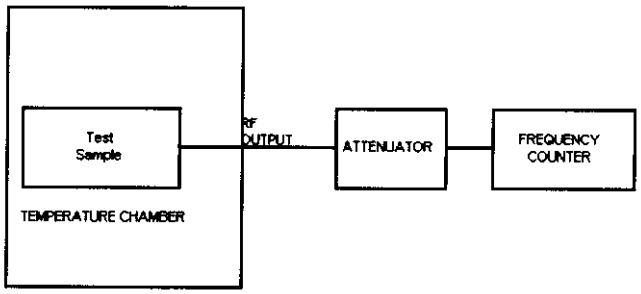
| | TRANSMIT FREQUENCY | Percent of Rated V | INPUT VOLTAGE | LOWER LIMIT | METER READING | UPPER LIMIT | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | % | Volts DC | MHz | MHz | MHz | | |
| | | | | | | | | |
| | 794.100 | | | 794.06295 | | 794.139705 | | |
| | " | 85 | 7.65 | " | 794.09954 | " | | |
| | " | | | " | | " | | |
| | " | 100 | 9.00 | " | 794.09954 | " | | |
| | " | | | " | | " | | |
| | " | 115 | 10.65 | " | 794.09954 | " | | |
| | " | | | " | | " | | |
| | V | End Point | 6.70 | V | 794.0553 | V | | |
| | 794.100 | | | 794.06295 | | 794.139705 | | |

## FREQUENCY STABILITY MEASUREMENTS (PARA 2.995)

A. Measurement Procedure (Frequency vs. Temperature)

The RF output of the test sample was coupled to a frequency counter through external attenuators. With the counter connected, the test sample was activated and placed into a temperature chamber. The temperature was then programmed to start at -30 degrees Celsius and reach +50 degrees Celsius in 10 degrees increments. Each increment was held for 30 minutes in order to let the test sample stabilize at that temperature.

Setup of the test is shown below:




B. Test Results:

The results for the above test are shown of the following single data sheet.

# RETLIF TESTING LABORATORIES

## TABULAR DATA SHEET

TEST METHOD: **FREQUENCY STABILITY ( -30 DEGREES TO +50 DEGREES ) Para 2.985**

CUSTOMER: BBM Electronics JOB No.: R-7456-5

TEST SAMPLE: 782 MHz to 806 MHz Wireless FM Transmitter

MODEL No.: S4000MTX SERIAL No.: FCC ID: F3S4KMTX

TEST SPECIFICATION: FCC Part 74 Experimental Radio, Auxiliary, Special Broadcast and other Program Distributional Services.
PARAGRAPH: 74.861 (e) (4)

OPERATING MODE: Transmitting a CW signal at center frequency of 794.1 MHz

TECHNICIAN: N. Accardi DATE: 3/11/98

NOTES: Level adjustment set at maximum.

| | TRANSMIT FREQUENCY | | TEMPERATURE | LOWER LIMIT | METER READING | UPPER LIMIT | | |
|---|---|---|---|---|---|---|---|---|
| | MHz | | DEGREES C | MHz | MHz | MHz | | |
| | 794.100 | | -30 | 794.06295 | 794.08793 | 794.139705 | | |
| | " | | -20 | " | 794.09434 | " | | |
| | " | | -10 | " | 794.09686 | " | | |
| | " | | 0 | " | 794.09859 | " | | |
| | " | | 10 | " | 794.09939 | " | | |
| | " | | 20 | " | 794.09952 | " | | |
| | " | | 30 | " | 794.09947 | " | | |
| | V | | 40 | V | 794.09960 | V | | |
| | 794.100 | | 50 | 794.06295 | 794.10054 | 794.139705 | | |

TEST EQUIPMENT LIST

# Equipment List

| EN | Type | Manufacturer | Frequency Range | Model No. | Serial No. | Cal Date | Due Date |
|---|---|---|---|---|---|---|---|
| 067 | Open Area Test Site | Retlif | 3 Meter | RNY | 001 | 8/30/97 | 8/30/99 |
| 128C | Double Ridge Guide | Eaton Corporation | 1 GHz - 18 GHz | 96001 | 2385 | 10/6/97 | 10/6/98 |
| 133 | Broadband Pre-Amplifier | Electro-Metrics | 10 kHz - 1 GHz, 26dB | BPA-1000 | 174 | 6/20/97 | 6/20/98 |
| 141 | Spectrum Analyzer | Hewlett Packard | 100 Hz - 40 GHz | 8566B | 2637A03491 | 3/2/98 | 9/2/98 |
| 141A | Graphics Plotter | Hewlett Packard | N/A | 7470A | 2517A07605 | 3/4/98 | 3/4/99 |
| 141B | Quasi-Peak Adaptor | Hewlett Packard | 100 Hz - 1 GHz | 85650A | 2521A00862 | 3/3/98 | 9/3/98 |
| 206B | 6.0 dB Attenuator | Texscan | 0 - 1.0 GHz | FP-50 - 6 dB | 5785 | 6/20/97 | 6/20/98 |
| 333 | Attenuator | Narda | DC - 11 GHz | 768-10 | 67 | 6/19/97 | 6/19/98 |
| 488 | HP Test Oscilllator | Hewlett Packard | 10 Hz - 10 MHz | 654A | 0951A02574 | 4/26/97 | 4/26/98 |
| 523 | Biconilog | Electro-Mechanics | 26 MHz - 1100 MHz | 3143 | 9602-1234 | 9/30/97 | 9/30/98 |
| 534 | DC Power Supply | Lambda | | DV-1827-2 | 71046 | 5/9/97 | 5/9/98 |
| 543 | Preamplifier | Hewlett Packard | 1.0 GHz - 26.5 GHz | 8449B | 3008A00829 | 8/12/97 | 8/12/98 |