

EXHIBIT H

Paragraph 2.983(e)

Test Data and Measurement Procedures



Retlif Testing Laboratories

Test Report Number No. R-7456-4
FCC ID: F3S3K5LTX

EXHIBIT H

Paragraph 2.985(a)

Power Output



Retlif Testing Laboratories

Test Report Number No. R-7456-4
FCC ID: F3S3K5LTX

TABULAR DATA SHEET

TEST METHOD:	OUTPUT POWER (85% to 115% of Input Power) Para 2.985		
CUSTOMER:	BBM Electronics	JOB No.:	R-7456-4
TEST SAMPLE:	174 MHz to 216 MHz Wireless FM Transmitter		
MODEL No.:	S3500MTX	SERIAL No.:	FCC ID: F3S3K5LTX
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.		

[illegible]

EXHIBIT H

Paragraph 2.987

Modulation Characteristics



Retlif Testing Laboratories

Test Report Number No. R-7456-4
FCC ID: F3S3K5LTX

RETLIF TESTING LABORATORIES

TABULAR DATA SHEET

TEST METHOD:

MODULATION CHARACTERISTICS, Para 2.987

CUSTOMER:

BBM Electronics

JOB No.:

R-7456-4

TEST

174 MHz to 216 MHz Wireless FM Transmitter

SAMPLE:

MODEL No.:

S3500LTX

SERIAL No.:

FCC ID: F3S3K5LTX

TEST

FCC Part 74 Experimental Radio, Auxiliary, Special Broadcast and other Program Distributional Services.

SPECIFICATION:

PARAGRAPH: 74.861

OPERATING

Transmitting a CW signal at center frequency as specified below

MODE:

TECHNICIAN:

T. SCHNEIDER

DATE:

3/11/98

NOTES:

Audio Level adjustment set at maximum.

[illegible]

EXHIBIT H

Paragraph 2.989

Occupied Bandwidth



Retlif Testing Laboratories

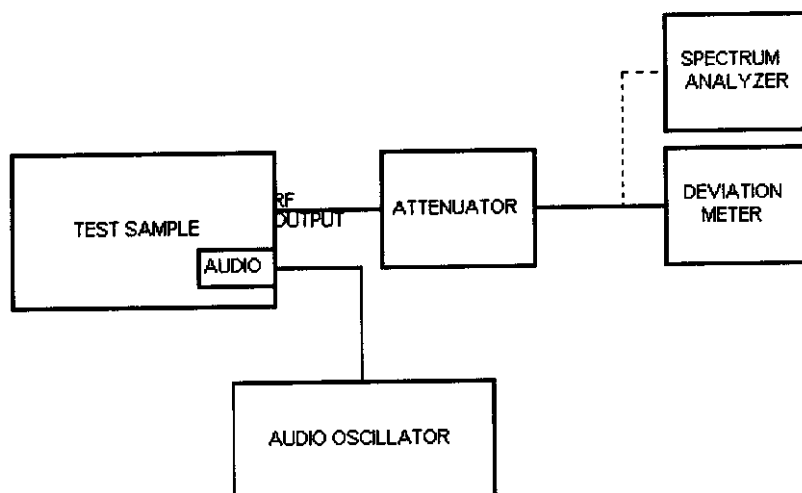
Test Report Number No. R-7456-4
FCC ID: F3S3K5LTX

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. 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.



Retlif Testing Laboratories

Test Report Number No. R-7456-4
FCC ID: F3S3K5LTX

R-7456-4 BBM S3500 FCC ID F3S3K5LTX OCCUPIED BW 3/11/98 TS
 REF -1.1 dBm ATTN 10 dB

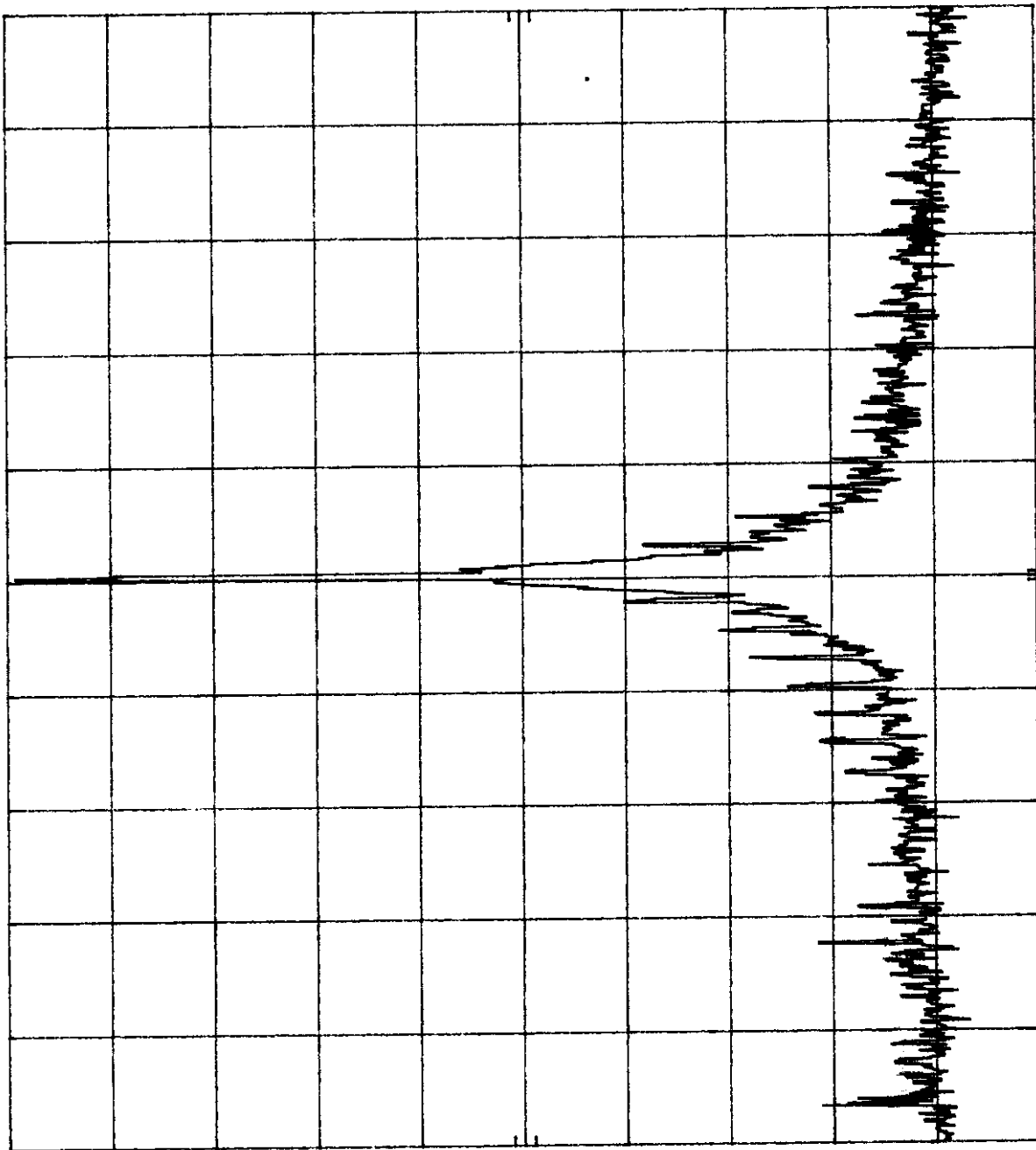
hp

10 dB/

OFFSET

10.0

dB



CENTER 174.02 MHz
 RES BW 300 Hz
 VBW 1 kHz
 SPAN 1.00 MHz
 SWP 30.0 sec

Customer:	BBM Electronics
Test Sample:	174 MHz to 216 MHz Wireless FM Transmitter
Model No.:	S3500LTX FCC ID: F3S3K5LTX
Test Method:	Occupied Bandwidth, Paragraph 2.989
Notes:	Center Frequency= 174.100 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

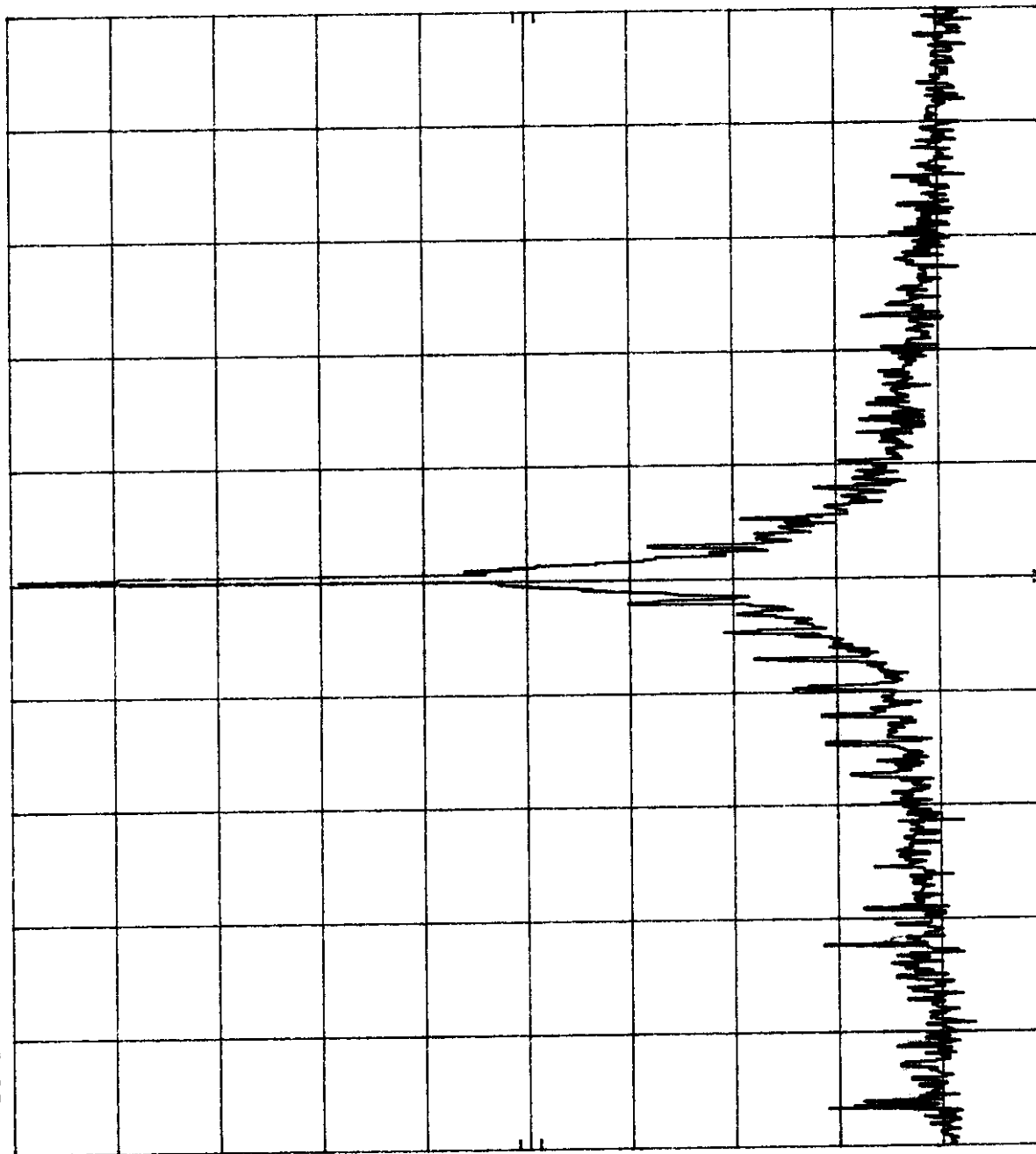
Report No. R-7456-4

R-7456-4 BBM S3500 FCC ID F3S3K5LTX OCCUPIED BW 3/11/98 TS
 REF -1.1 dBm ATTN 10 dB

hp

10 dB/

OFFSET
 10.0
 dB



CENTER 174.02 MHz
 RES BW 300 Hz
 SPAN 1.00 MHz
 SWP 30.0 sec
 VBW 1 kHz

Customer:	BBM Electronics		
Test Sample:	174 MHz to 216 MHz Wireless FM Transmitter		
Model No:	S3500LTX	FCC ID:	F3S3K5LTX
Test Method:	Occupied Bandwidth, Paragraph 2.989		
Notes:	Center Frequency= 174.100 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-7456-4

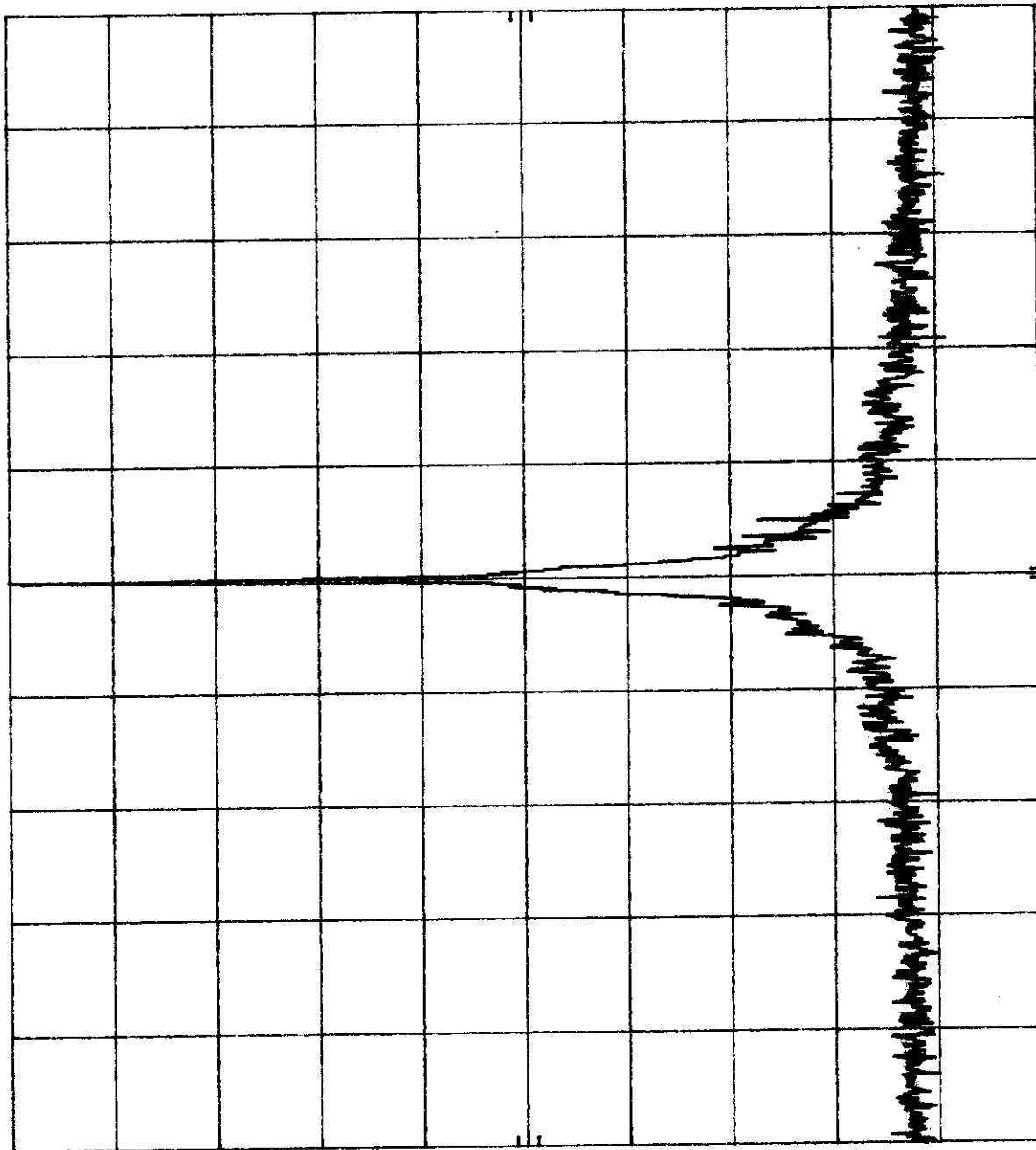
R-7456-4 BBM S3500 FCC ID F3S3K5LTX OCCUPIED BW 3/11/98 TS
 REF 3.5 dBm ATTEN 10 dB

hp

10 dB/

OFFSET

10.0
dB



CENTER 195.02 MHz
 RES BW 300 Hz
 VBW 1 kHz
 SPAN 1.00 MHz
 SWP 30.0 sec

Customer:	BBM Electronics
Test Sample:	174 MHz to 216 MHz Wireless FM Transmitter
Model No.:	S3500LTX FCC ID: F3S3K5LTX
Test Method:	Occupied Bandwidth, Paragraph 2.989
Notes:	Center Frequency = 195.025 MHz Audio Input = 2500 Hz at 50% Modulation plus 16 dB
Date:	March 11, 1998
Tech:	T. Schneider
Sheet:	3 of 6



Retlif Testing Laboratories

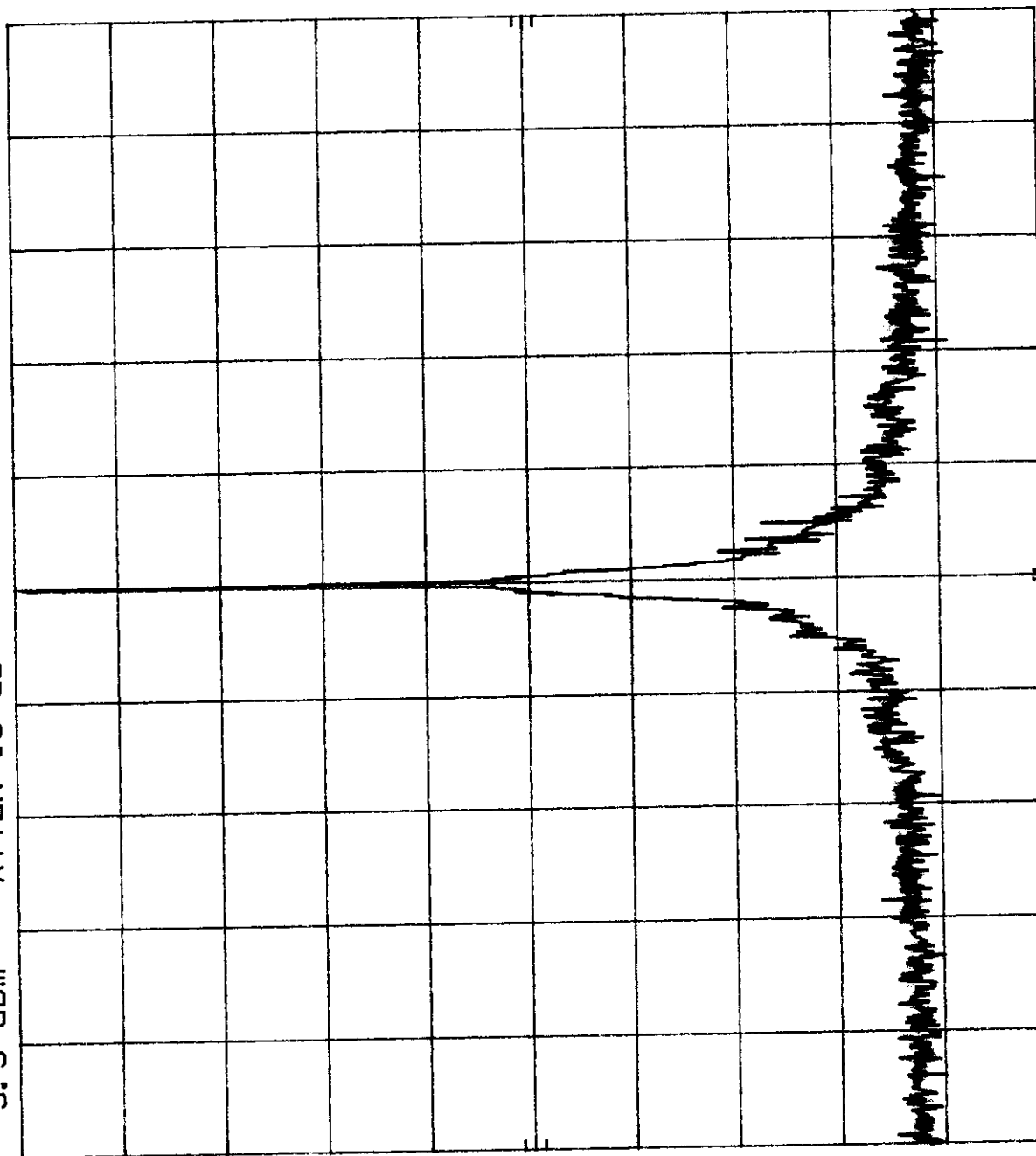
Report No. R-7456-4

R-7456-4 BBM S3500 FCC ID F3S3K5LTX OCCUPIED BW 3/11/98 TS
 REF 3.5 dBm ATTEN 10 dB

hp

10 dB/

OFFSET
 10.0
 dB



CENTER 195.02 MHz
 RES BW 300 Hz
 VBW 1 kHz
 SPAN 1.00 MHz
 SWP 30.0 sec

Customer:	BBM Electronics		
Test Sample:	174 MHz to 216 MHz Wireless FM Transmitter		
Model No.:	S3500LTX	FCC ID: F3S3K5LTX	
Test Method:	Occupied Bandwidth, Paragraph 2.989		
Notes:	Center Frequency = 195.025 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

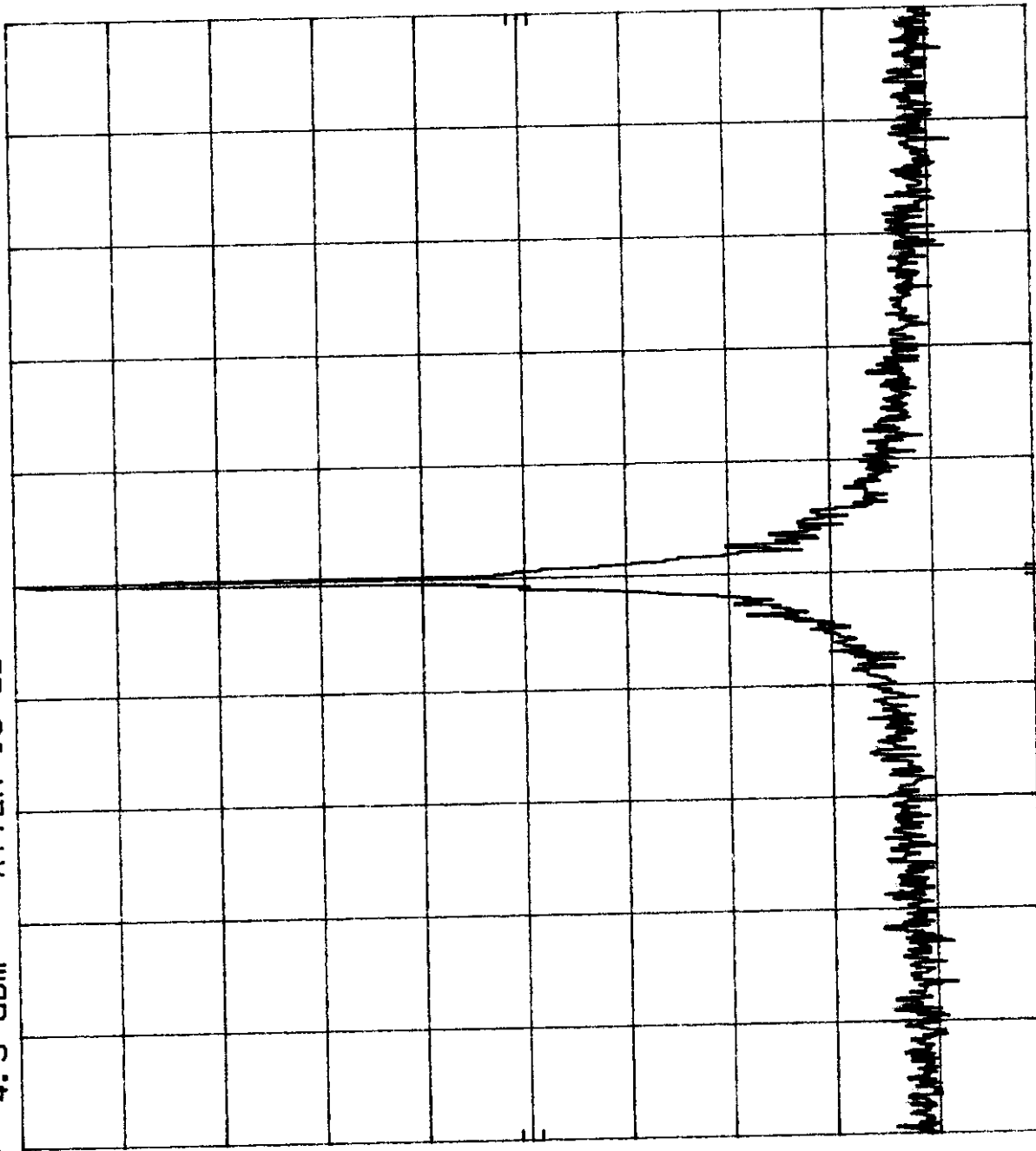
Report No. R-7456-4

R-7456-4 BBM S3500 FCC ID F3S3K5LTX OCCUPIED BW 3/11/98 TS
 REF 4.3 dBm ATTEN 10 dB

hp

10 dB/

OFFSET
 10.0
 dB



CENTER 215.97 MHz
 RES BW 300 Hz
 VBW 1 kHz
 SPAN 1.00 MHz
 SWP 30.0 sec

Customer: BBM Electronics
 Test Sample: 174 MHz to 216 MHz Wireless FM Transmitter
 Model No: S3500LTX FCC ID: F3S3K5LTX
 Test Method: Occupied Bandwidth, Paragraph 2.989
 Notes: Center Frequency = 215.975 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

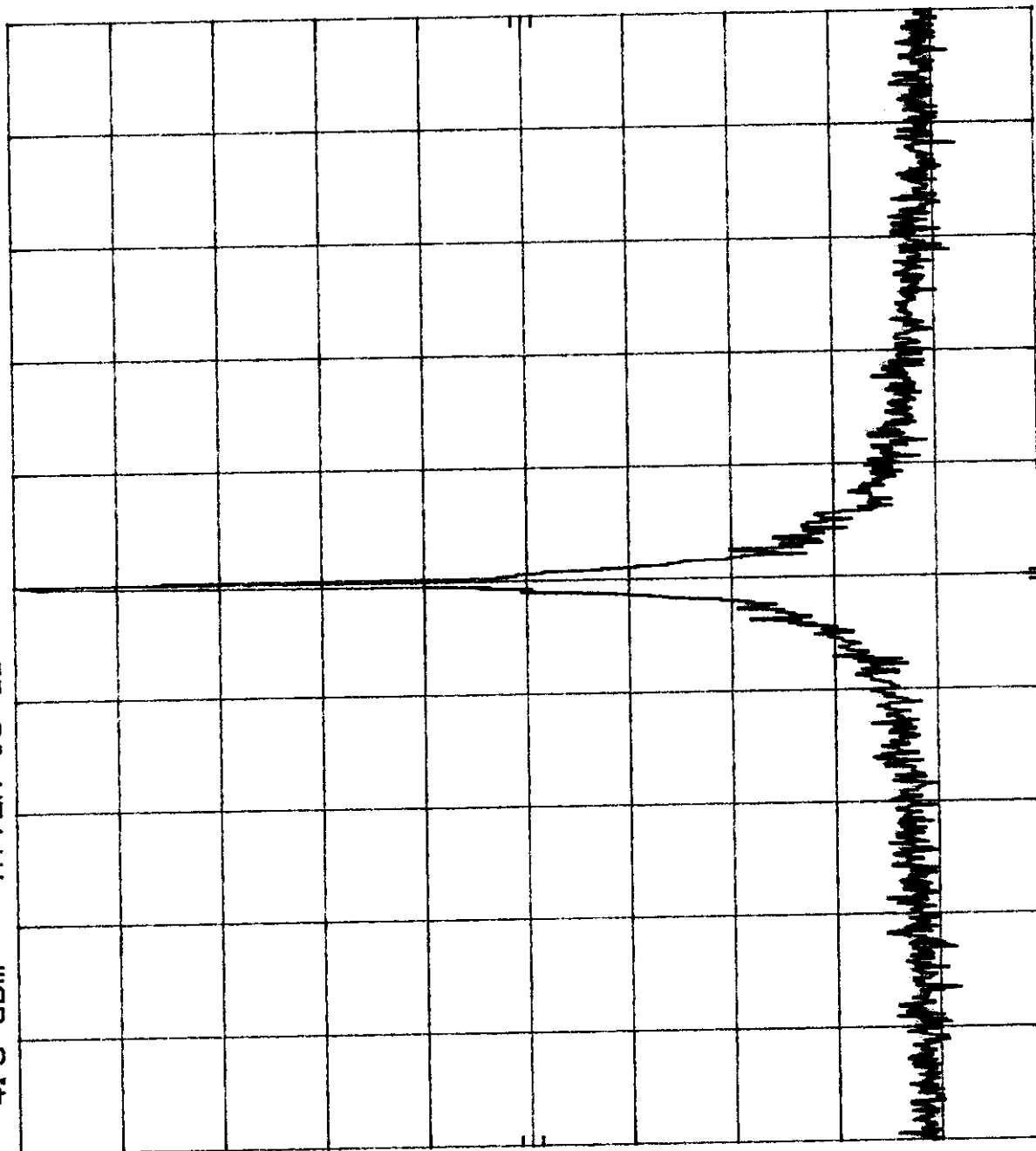
Report No. R-7456-4

R-7456-4 BBM S3500 FCC ID F3S3K5LTX OCCUPIED BW 3/11/98 TS
 REF 4.3 dBm ATTEN 10 dB

hp

10 dB/

OFFSET
 10.0
 dB



CENTER 215.97 MHz
 RES BW 300 Hz
 VBW 1 kHz
 SPAN 1.00 MHz
 SWP 30.0 sec

Customer: BBM Electronics
 Test Sample: 174 MHz to 216 MHz Wireless FM Transmitter
 Model No: S3500LTX FCC ID: F3S3K5LTX
 Test Method: Occupied Bandwidth, Paragraph 2.989
 Notes: Center Frequency= 215.975 MHz
 Audio Input = 15000 Hz at 50% Modulation plus 16 dB
 Date: March 11, 1998 Tech: T. Schneider Sheet: 6 of 6



Retlif Testing Laboratories

Report No. R-7456-4

EXHIBIT H

Paragraph 2.991

Antenna Conducted Emissions



Retlif Testing Laboratories

Test Report Number No. R-7456-4
FCC ID: F3S3K5LTX

ANTENNA CONDUCTED EMISSIONS (PARA.2.991)

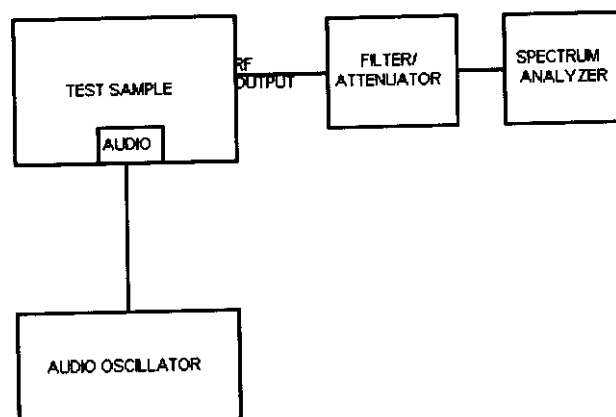
A. Measurement Procedure:

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:

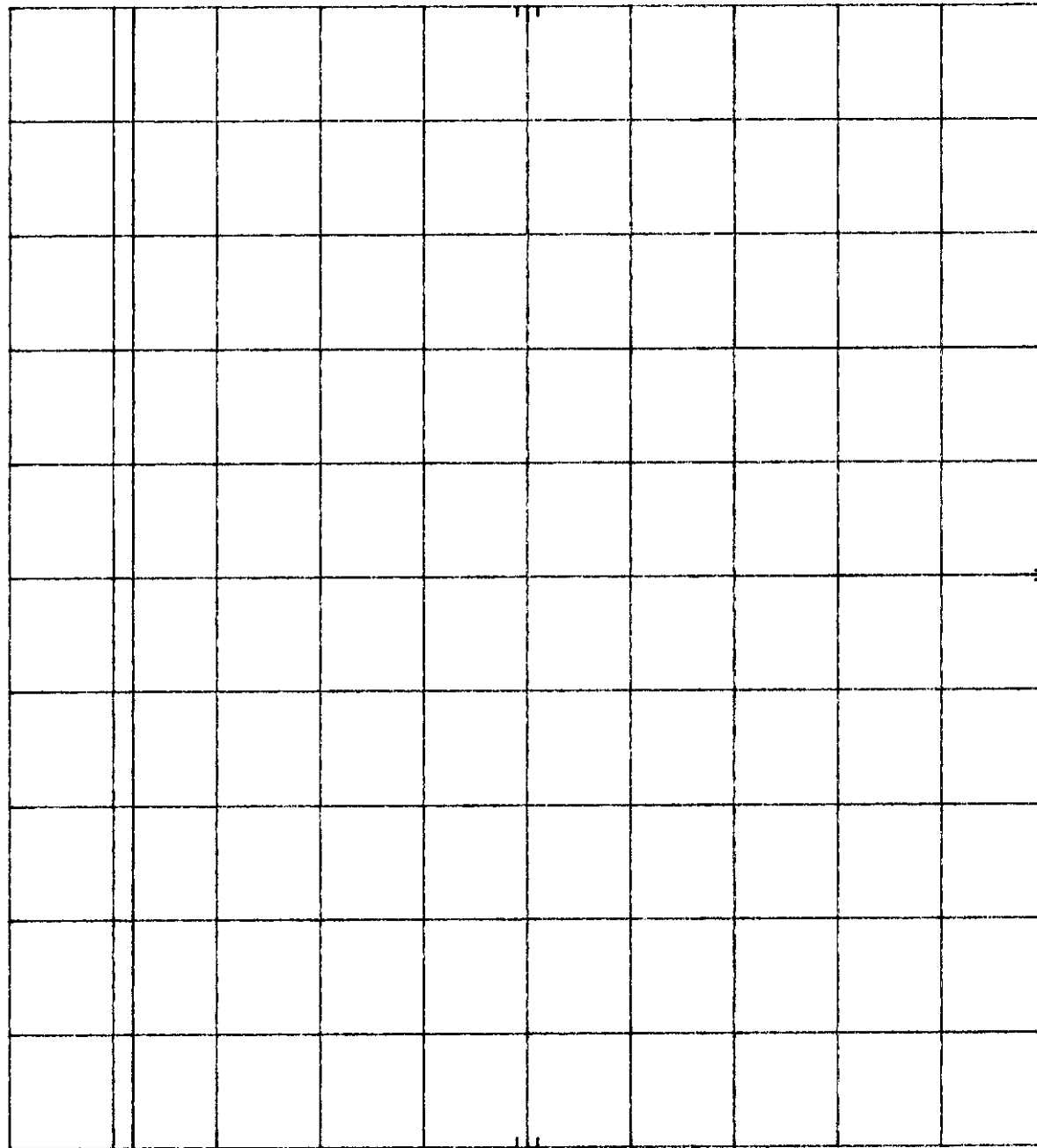
The results for the above test are shown on the following (12) data sheets.



Retlif Testing Laboratories

Test Report Number No. R-7456-4
FCC ID: F3S3K5LTX

R-7456-4 BBM S3500 FCC ID F3S3K5LTX OCCUPIED BW 3/11/98 TS
 REF -1.1 dBm ATTEN 10 dB



START 30 MHz RES BW 100 kHz VBW 300 kHz STOP 200 MHz
 SWP 20.0 sec

10 dB/
 OFFSET 10.0 dB
 DL -13.0 dBm

Customer:	BBM Electronics		
Test Sample:	174 MHz to 216 MHz Wireless FM Transmitter		
Model No:	S3500LTX	FCC ID:	F3S3K5LTX
Test Method:	Antenna Conducted Emissions, Paragraph 2.991		
Notes:	Center Frequency= 174.1 MHz		
	Audio Input = 15000 Hz at 50% Modulation plus 16 dB		
Date:	March 11, 1998	Tech:	T. Schneider
	Sheet	1	of 12



Retlif Testing Laboratories

Report No. R-7456-4

R-7456-4 BBM S3500 FCC ID F3S3K5LTX OCCUPIED BW 3/11/98 TS
 REF -1.1 dBm ATTEN 10 dB

hp

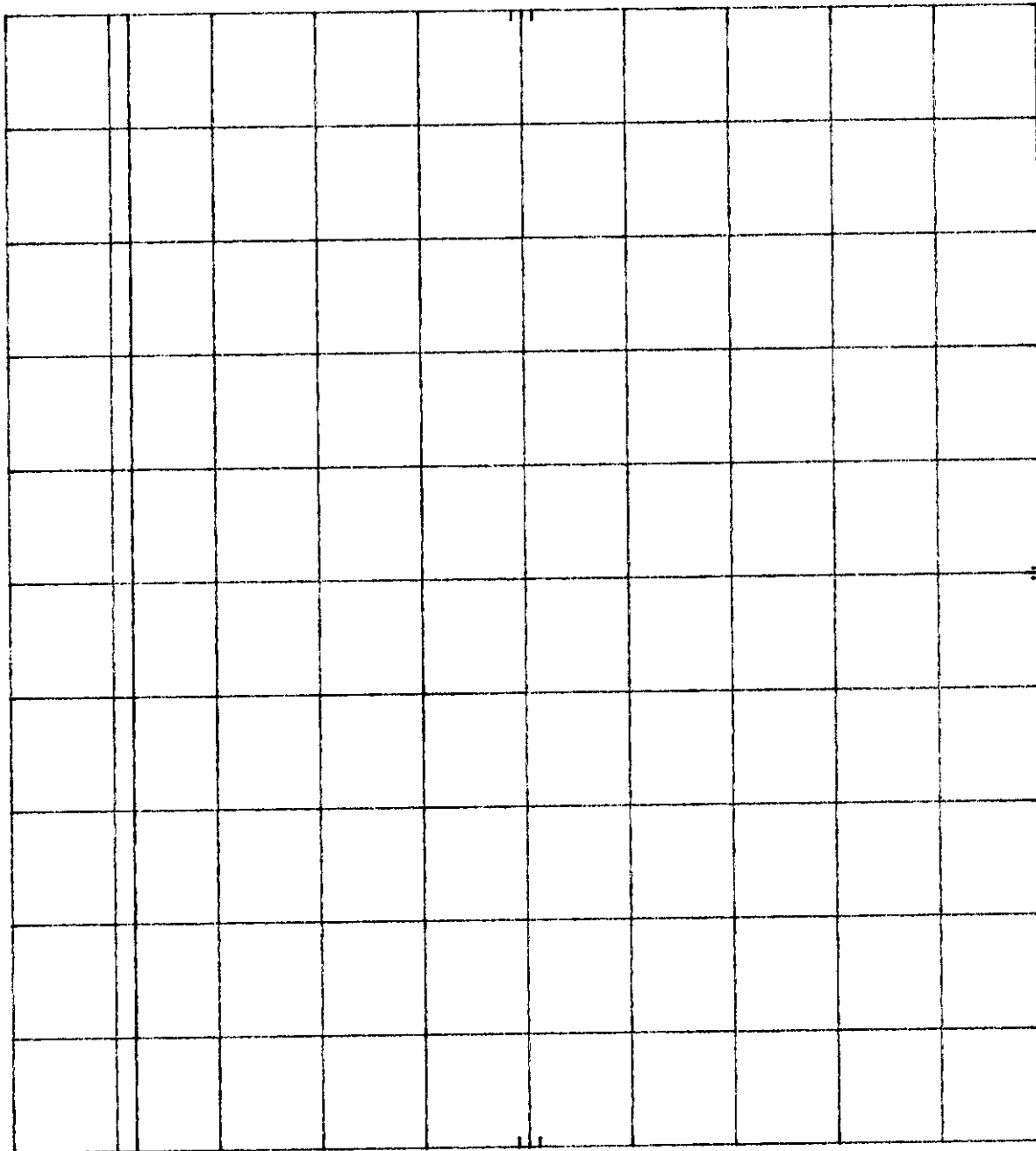
10 dB/

OFFSET

10.0
dB

DL

-13.0
dBm



START 200 MHz RES BW 100 kHz VBW 300 kHz SWP 20.0 sec STOP 500 MHz

Customer:	BBM Electronics
Test Sample:	174 MHz to 216 MHz Wireless FM Transmitter
Model No.:	S3500LTX FCC ID: F3S3K5LTX
Test Method:	Antenna Conducted Emissions, Paragraph 2.991
Notes:	Center Frequency= 174.1 MHz Audio Input = 15000 Hz at 50% Modulation plus 16 dB
Date:	March 11, 1998
Tech:	T. Schneider
Sheet:	2 of 12

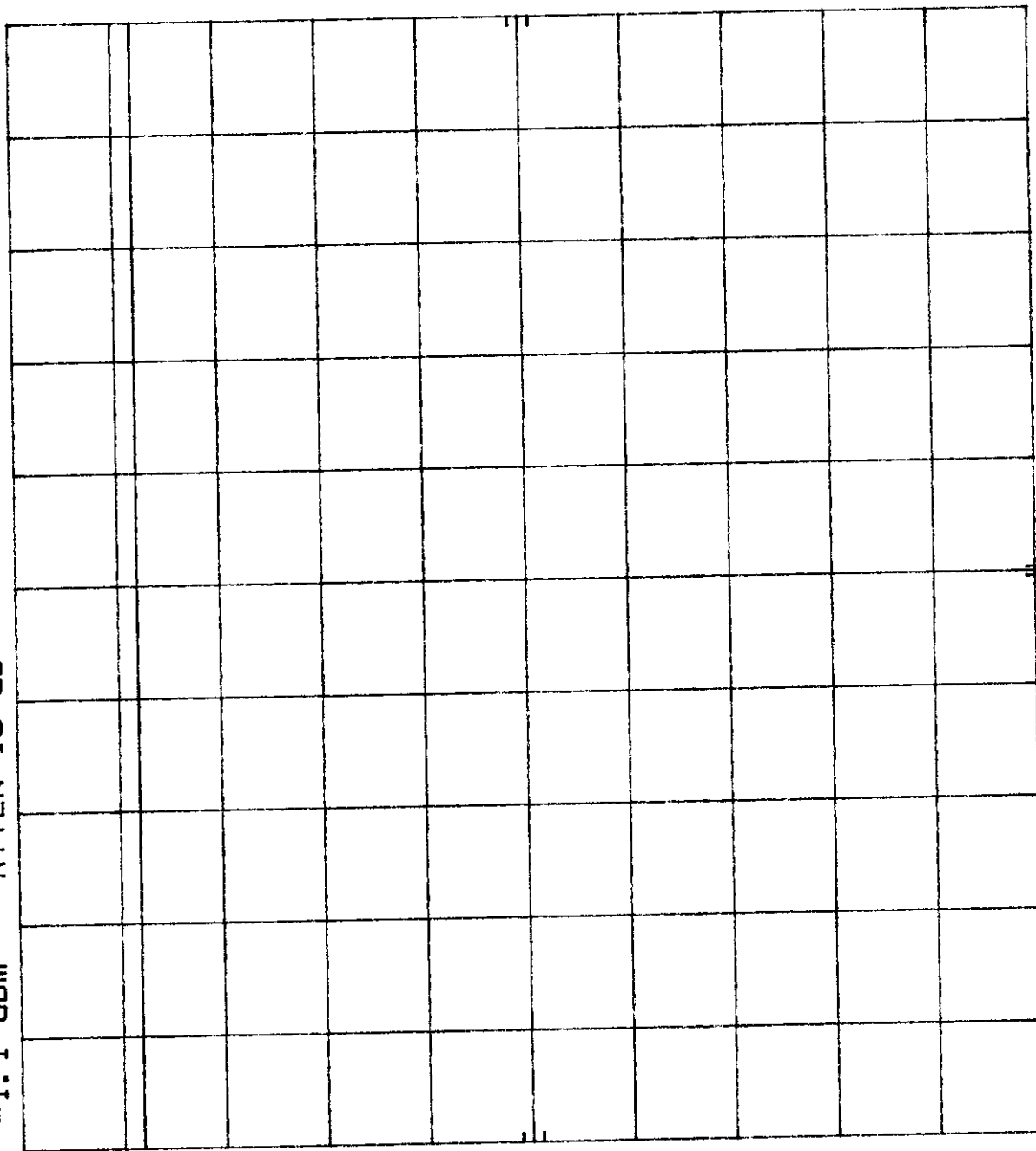


Retlif Testing Laboratories

Report No. R-7456-4

R-7456-4 BBM S3500 FCC ID F3S3K5LTX OCCUPIED BW 3/11/98 TS
 REF -1.1 dBm ATTEN 10 dB

hp 10 dB/
 OFFSET 10.0 dB
 DL -13.0 dBm



START 500 MHz RES BW 100 kHz VBW 300 kHz STOP 1.000 GHz
 SWP 20.0 sec

Customer: BBM Electronics
 Test Sample: 174 MHz to 216 MHz Wireless FM Transmitter
 Model No: S3500LTX FCC ID: F3S3K5LTX
 Test Method: Antenna Conducted Emissions, Paragraph 2.991
 Notes: Center Frequency= 174.1 MHz
 Audio Input = 15000 Hz at 50% Modulation plus 16 dB
 Date: March 11, 1998 Tech: T. Schneider Sheet: 3 of 12



Retlif Testing Laboratories

Report No. R-7456-4

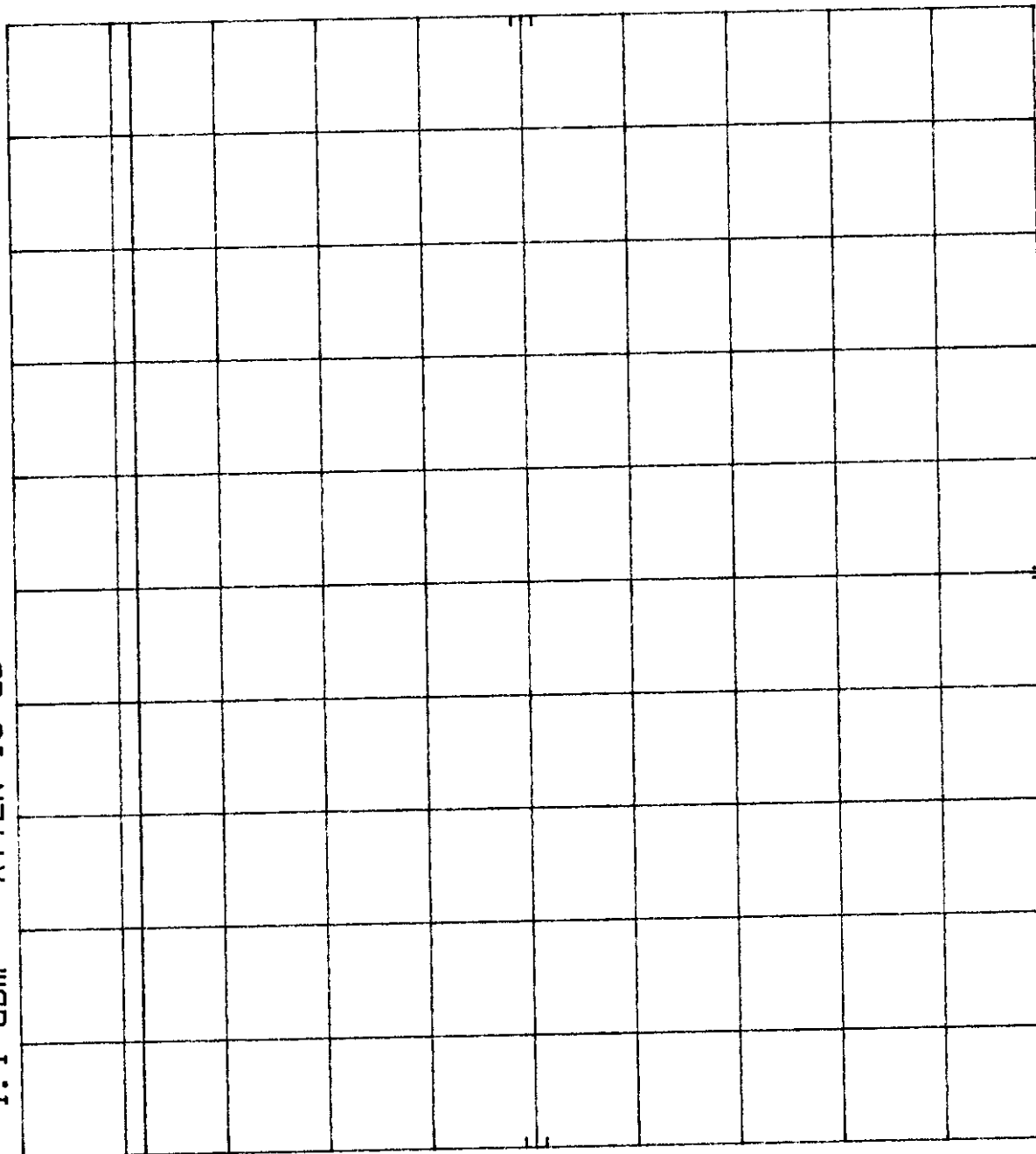
R-7456-4 BBM S3500 FCC ID F3S3K5LTX OCCUPIED BW 3/11/98 TS
 REF -1.1 dBm ATTEN 10 dB

hp

10 dB/

OFFSET
 10.0
 dB

DL
 -13.0
 dBm



START 1.00 GHz RES BW 1 MHz VBW 3 MHz STOP 2.20 GHz SWP 20.0 sec

Customer: BBM Electronics
 Test Sample: 174 MHz to 216 MHz Wireless FM Transmitter
 Model No: S3500LTX FCC ID: F3S3K5LTX
 Test Method: Antenna Conducted Emissions, Paragraph 2.991
 Notes: Center Frequency= 174.1 MHz
 Audio Input = 15000 Hz at 50% Modulation plus 16 dB
 Date: March 11 1998 Tech: T. Schneider Sheet: 4 of 12



Retlif Testing Laboratories

Report No. R-7456-4

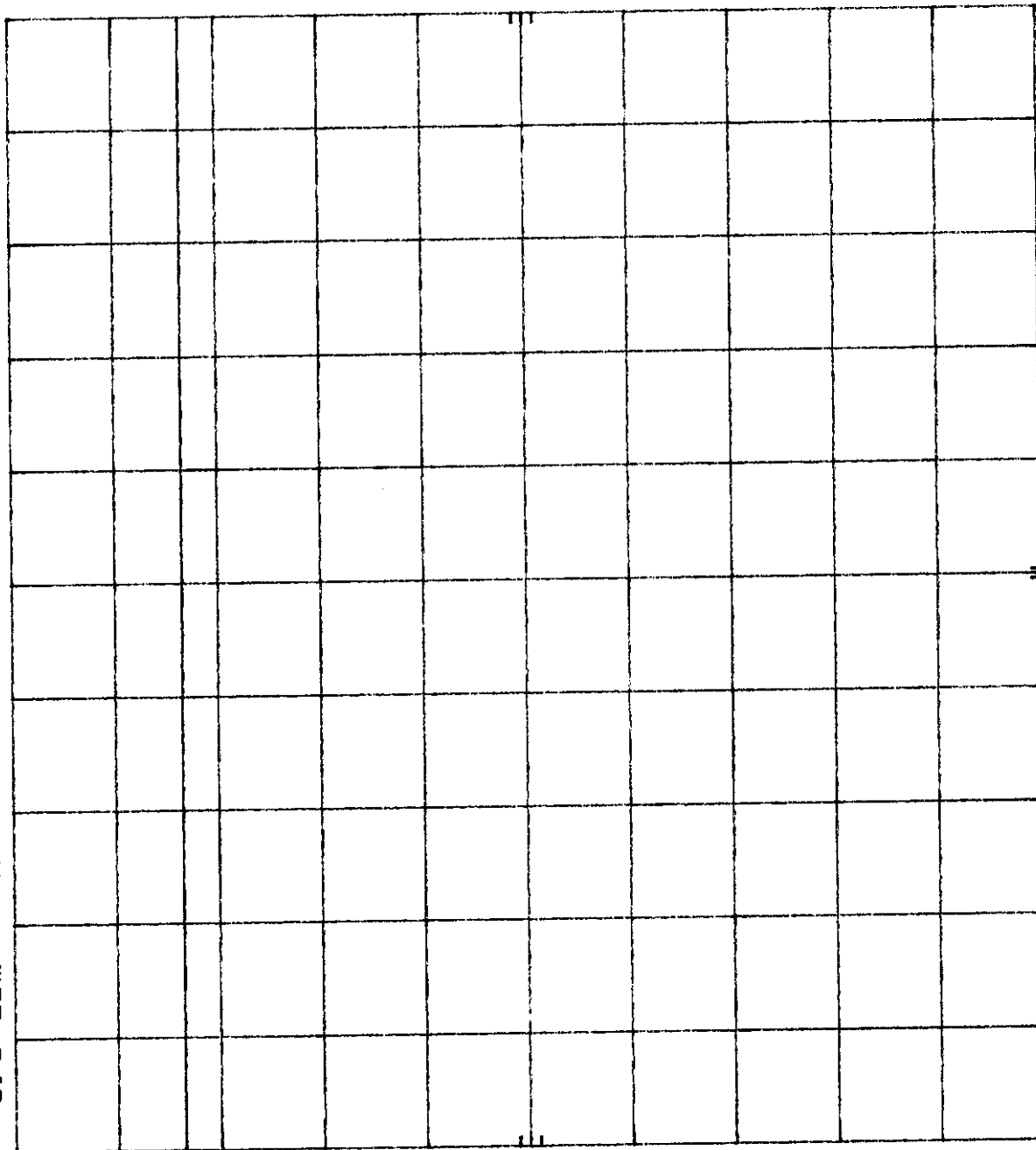
R-7456-4 BBM S3500 FCC ID F3S3K5LTX OCCUPIED BW 3/11/98 TS
 REF 3.5 dBm ATTEN 10 dB

10 dB/

10 dB/

OFFSET
10.0
dB

DL
-13.0
dBm



START 30 MHz RES BW 100 kHz VBW 300 kHz SWP 20.0 sec STOP 200 MHz

Customer:	BBM Electronics		
Test Sample:	174 MHz to 216 MHz Wireless FM Transmitter		
Model No:	S3500LTX	FCC ID:	F3S3K5LTX
Test Method:	Antenna Conducted Emissions, Paragraph 2.991		
Notes:	Center Frequency= 195.025 MHz		
	Audio Input = 15000 Hz at 50% Modulation plus 16 dB		
Date:	March 11, 1998	Tech:	T. Schneider
	Sheet	5	of 12



Retlif Testing Laboratories

Report No. R-7456-4

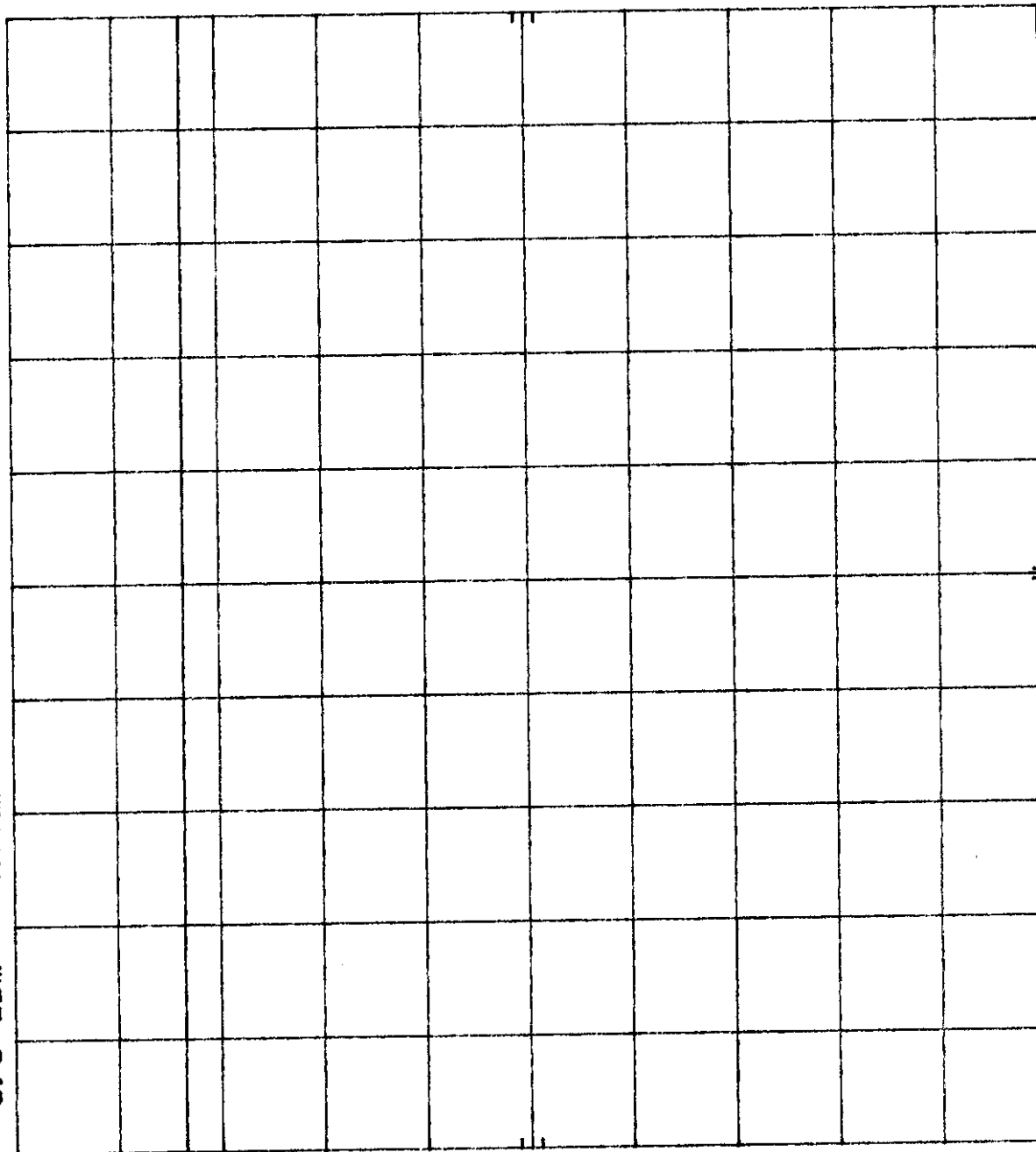
R-7456-4 BBM S3500 FCC ID F3S3K5LTX OCCUPIED BW 3/11/98 TS
 REF 3.5 dBm ATTEN 10 dB

hp

10 dB/

OFFSET
10.0
dB

DL
-13.0
dBm



START 200 MHz RES BW 100 kHz VBW 300 kHz STOP 500 MHz SWP 20.0 sec

Customer:	BBM Electronics
Test Sample:	174 MHz to 216 MHz Wireless FM Transmitter
Model No:	S3500LTX FCC ID: F3S3K5LTX
Test Method:	Antenna Conducted Emissions, Paragraph 2.991
Notes:	Center Frequency= 195.025 MHz
	Audio Input = 15000 Hz at 50% Modulation plus 16 dB
Date:	March 11 1998
Tech:	T. Schneider
Sheet:	6 of 12



Retlif Testing Laboratories

Report No. R-7456-4

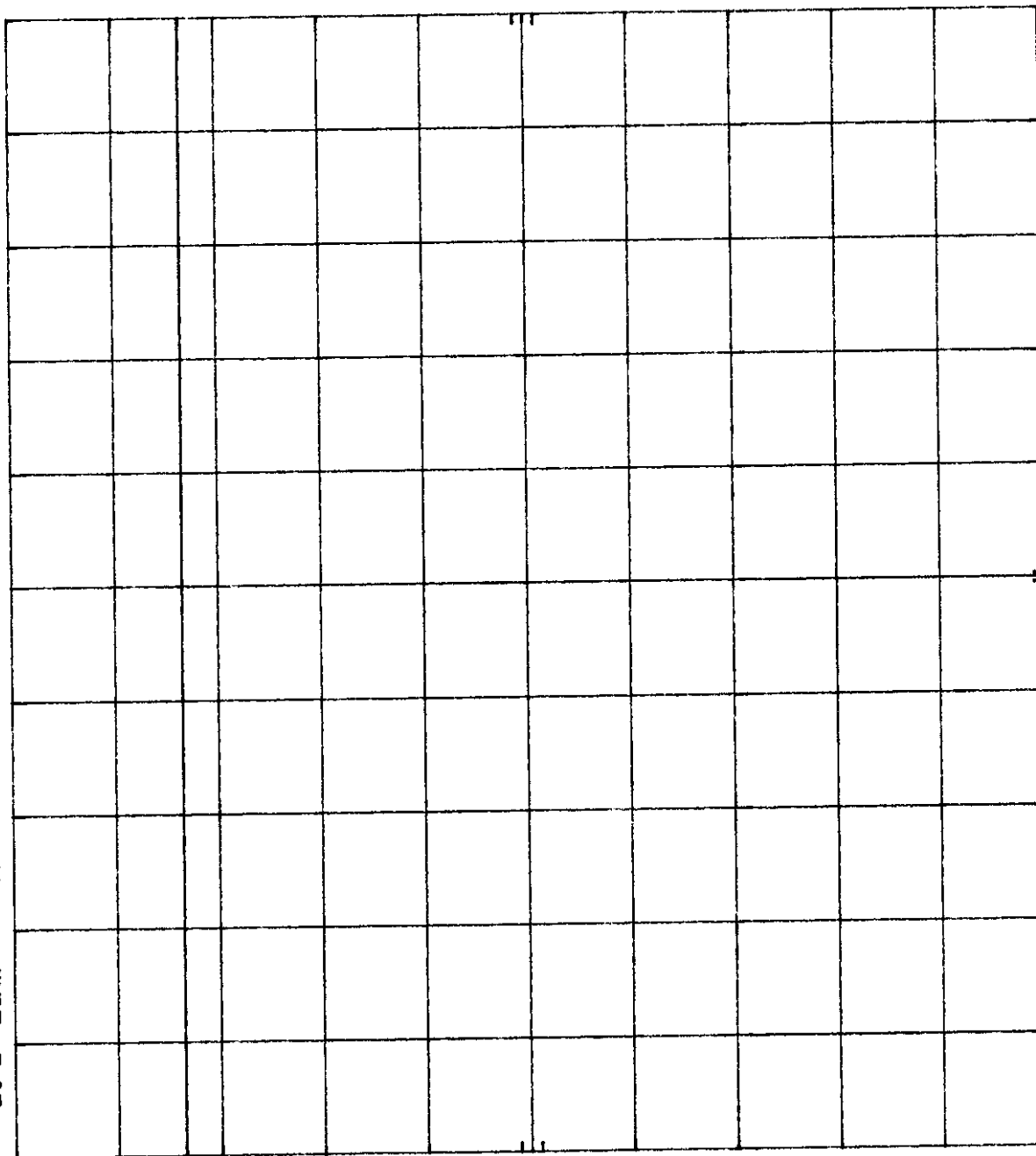
R-7456-4 BBM S3500 FCC ID F3S3K5LTX OCCUPIED BW 3/11/98 TS
 REF 3.5 dBm ATTEN 10 dB

hp

10 dB/

OFFSET
10.0
dB

DL
-13.0
dBm



START 500 MHz RES BW 100 kHz VBW 300 kHz STOP 1.000 GHz SWP 20.0 sec

Customer: BBM Electronics
 Test Sample: 174 MHz to 216 MHz Wireless FM Transmitter
 Model No: S3500LTX FCC ID: F3S3K5LTX
 Test Method: Antenna Conducted Emissions, Paragraph 2.991
 Notes: Center Frequency= 195.025 MHz
 Audio Input = 15000 Hz at 50% Modulation plus 16 dB
 Date: March 11, 1998 Tech: T. Schneider Sheet 7 of 12



Retlif Testing Laboratories

Report No. R-7456-4

R-7456-4 BBM S3500 FCC ID F3S3K5LTX OCCUPIED BW 3/11/98 TS
 REF 3.5 dBm ATTEN 10 dB

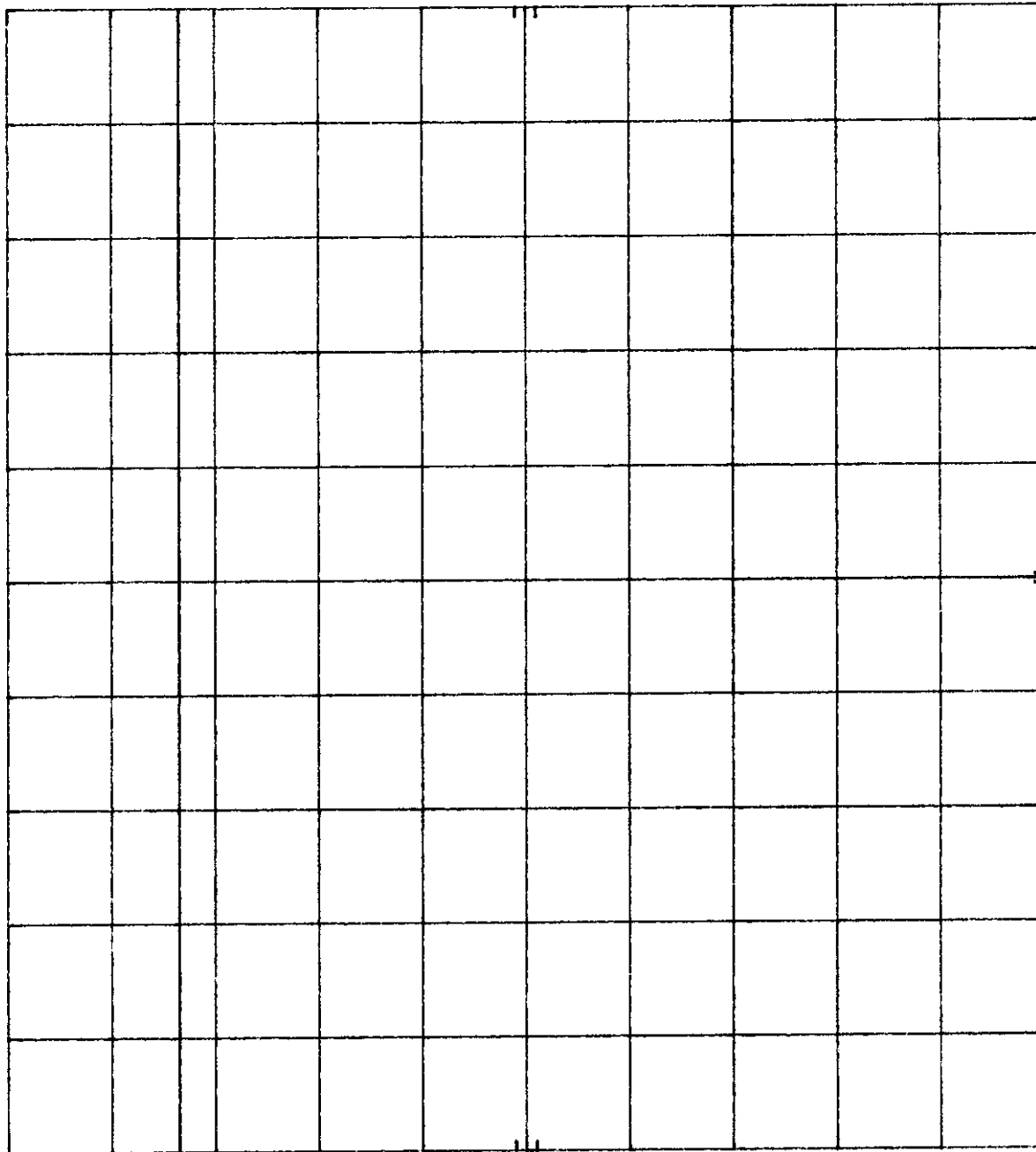
hp

10 dB/

OFFSET

10.0
dB

DL
-13.0
dBm



START 1.00 GHz RES BW 100 kHz VBW 300 kHz STOP 2.20 GHz SWP 20.0 sec

Customer:	BBM Electronics
Test Sample:	174 MHz to 216 MHz Wireless FM Transmitter
Model No:	S3500LTX FCC ID: F3S3K5LTX
Test Method:	Antenna Conducted Emissions, Paragraph 2.991
Notes:	Center Frequency= 195.025 MHz Audio Input = 15000 Hz at 50% Modulation plus 16 dB
Date:	March 11, 1998
Tech:	T. Schnelder
Sheet:	8 of 12



Retlif Testing Laboratories

Report No. R-7456-4

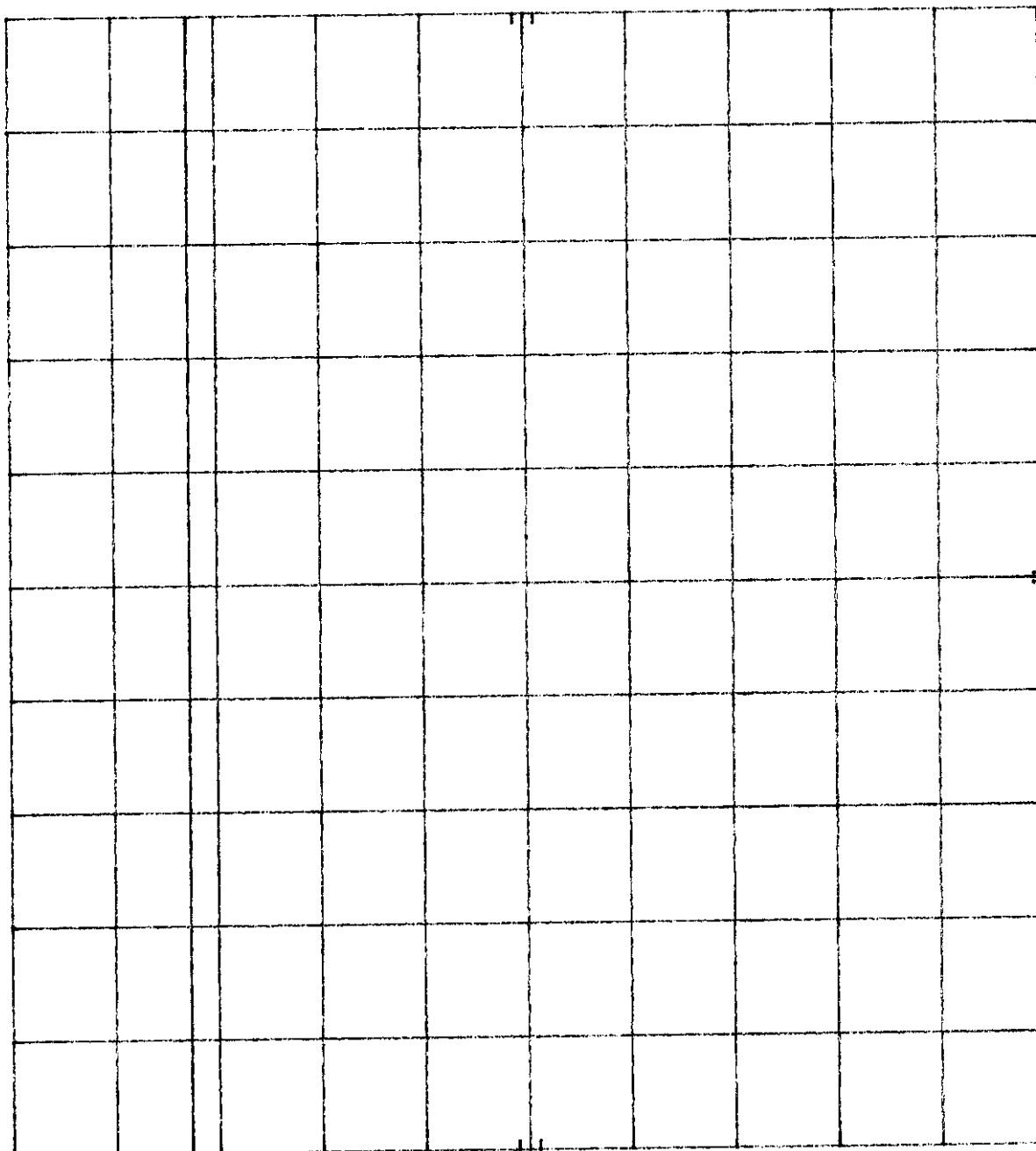
R-7456-4 BBM S3500 FCC ID F3S3K5LTX OCCUPIED BW 3/11/98 TS
 REF 4.3 dBm ATTEN 10 dB

hp

10 dB/

OFFSET
10.0
dB

DL
-13.0
dBm



START 30 MHz RES BW 100 kHz VBW 300 kHz STOP 200 MHz SWP 20.0 sec

Customer:	BBM Electronics
Test Sample:	174 MHz to 216 MHz Wireless FM Transmitter
Model No:	S3500LTX FCC ID: F3S3K5LTX
Test Method:	Antenna Conducted Emissions, Paragraph 2.991
Notes:	Center Frequency= 215.975 MHz Audio Input = 15000 Hz at 50% Modulation plus 16 dB
Date:	March 11, 1998
Tech:	T. Schneider
Sheet:	9 of 12



Retlif Testing Laboratories

Report No. R-7456-4

R-7456-4 BBM S3500 FCC ID F3S3K5LTX OCCUPIED BW 3/11/98 TS

REF 4.3 dBm ATTEN 10 dB

hp

10 dB/

OFFSET

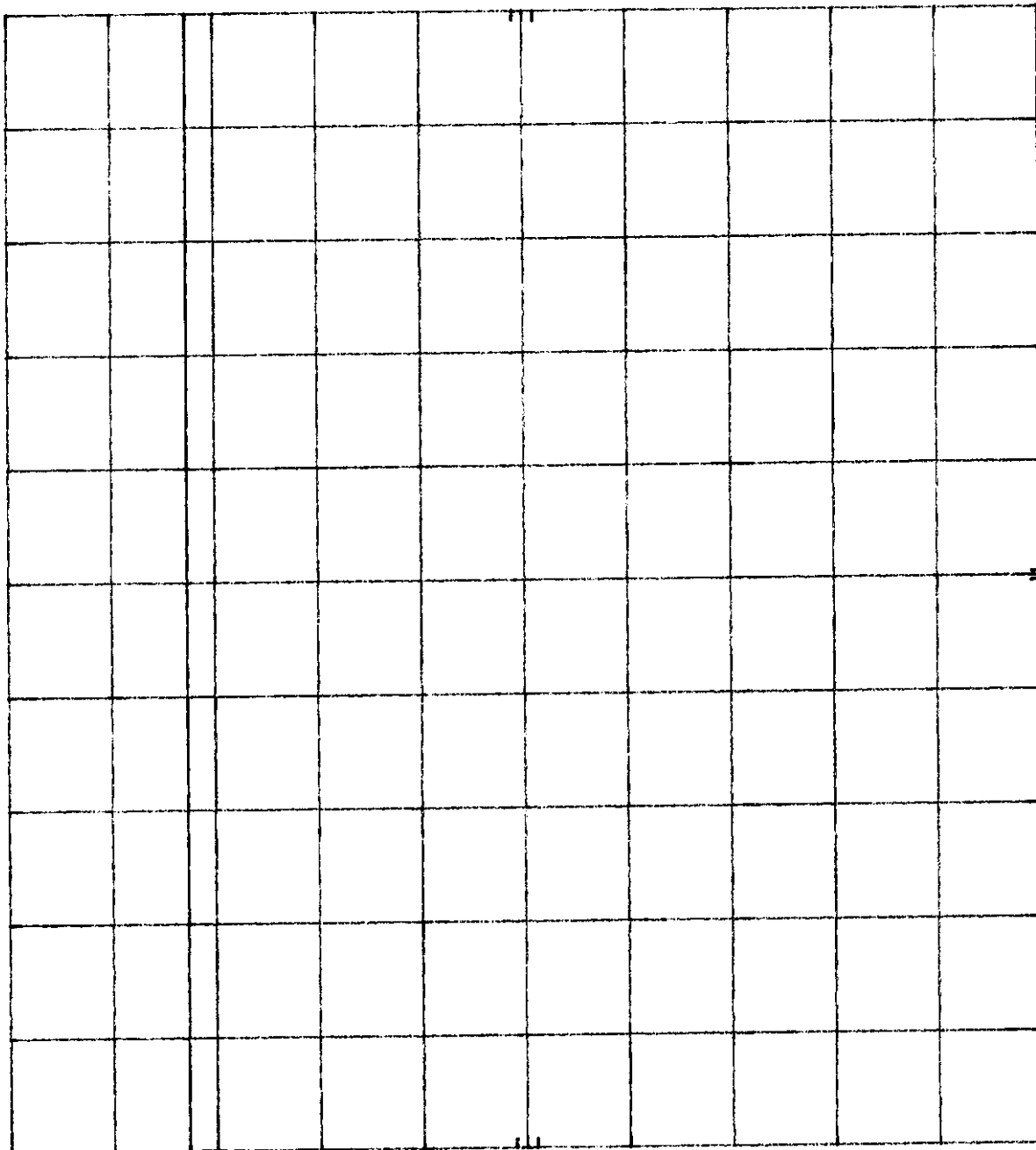
10.0

dB

DL

-13.0

dBm



START 200 MHz

RES BW 100 kHz

VBW 300 kHz

SWP 20.0 sec

STOP 500 MHz

Customer:	BBM Electronics
Test Sample:	174 MHz to 216 MHz Wireless FM Transmitter
Model No:	S3500LTX FCC ID: F3S3K5LTX
Test Method:	Antenna Conducted Emissions, Paragraph 2.991
Notes:	Center Frequency= 215.975 MHz
	Audio Input = 15000 Hz at 50% Modulation plus 16 dB
Date:	March 11, 1998
Tech:	T. Schneider
Sheet:	10 of 12



Retlif Testing Laboratories

Report No. R-7456-4

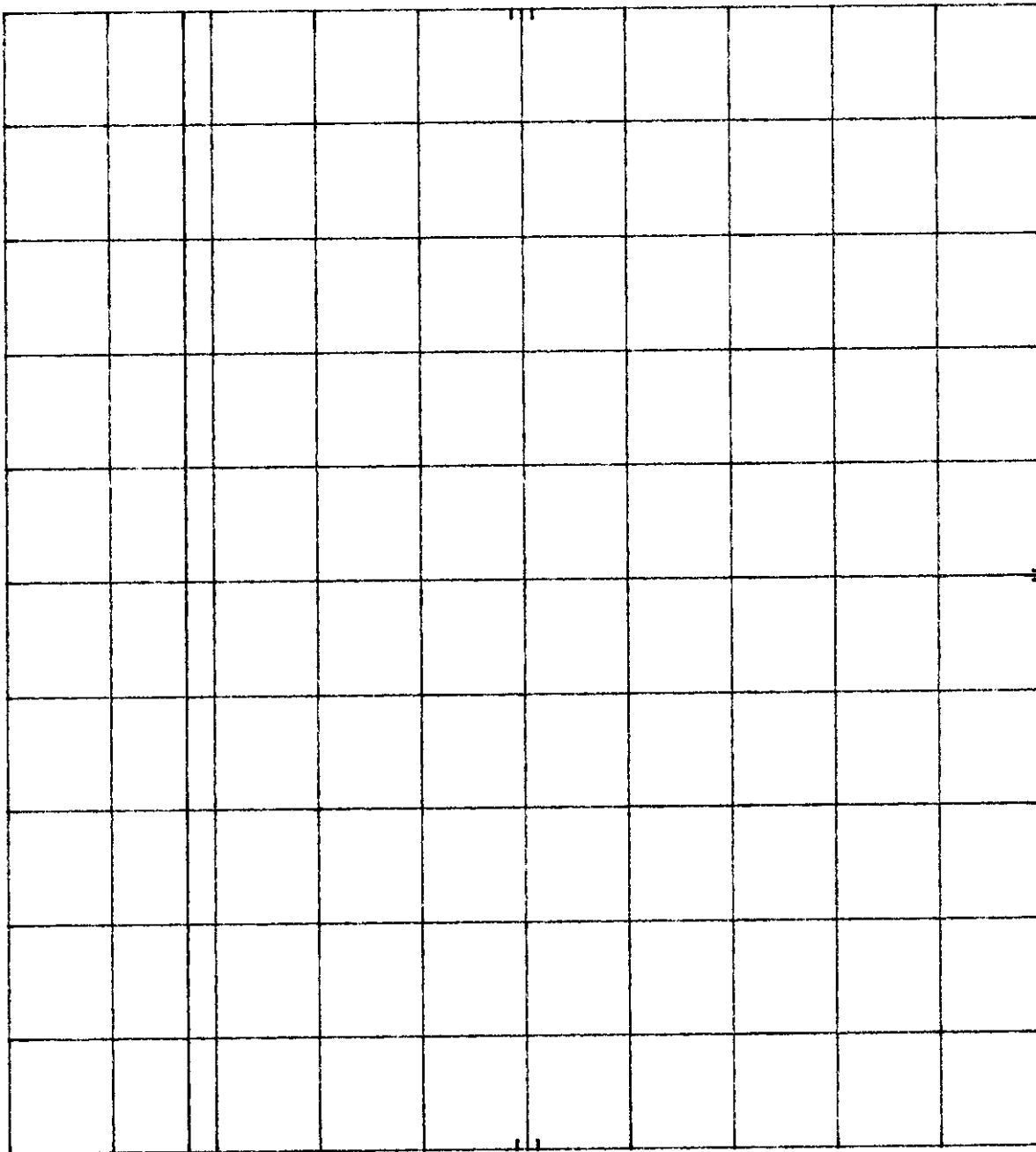
R-7456-4 BBM S3500 FCC ID F3S3K5LTX OCCUPIED BW 3/11/98 TS
 REF 4.3 dBm ATTEN 10 dB

hp

10 dB/

OFFSET
10.0
dB

DL
-13.0
dBm



STOP 1.000 GHz
SWP 20.0 sec

VBW 300 kHz

RES BW 100 kHz

START 500 MHz

Customer:	BBM Electronics
Test Sample:	174 MHz to 216 MHz Wireless FM Transmitter
Model No:	S3500LTX FCC ID: F3S3K5LTX
Test Method:	Antenna Conducted Emissions, Paragraph 2.991
Notes:	Center Frequency= 215.975 MHz Audio Input = 15000 Hz at 50% Modulation plus 16 dB
Date:	March 11 1998
Tech:	T. Schneider
Sheet:	11 of 12



Retlif Testing Laboratories

Report No. R-7456-4

R-7456-4 BBM S3500 FCC ID F3S3K5LTX OCCUPIED BW 3/11/98 TS
 REF 4.3 dBm ATTEN 10 dB

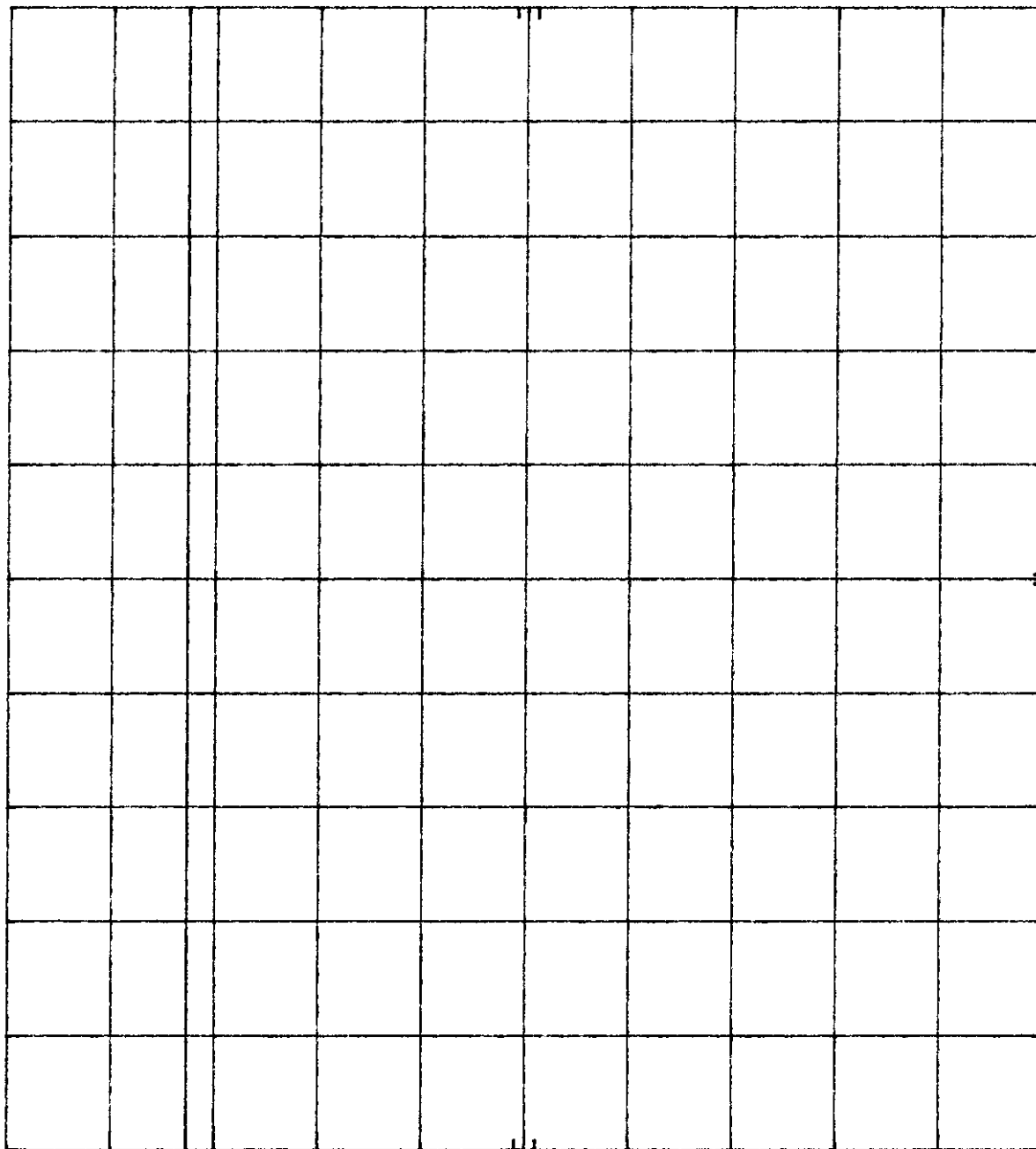
hp

10 dB/

OFFSET

10.0
dB

DL
-13.0
dBm



START 1.00 GHz RES BW 1 MHz VBW 3 MHz STOP 2.20 GHz SWP 20.0 sec

Customer:	BBM Electronics
Test Sample:	174 MHz to 216 MHz Wireless FM Transmitter
Model No:	S3500LTX FCC ID: F3S3K5LTX
Test Method:	Antenna Conducted Emissions, Paragraph 2.991
Notes:	Center Frequency= 215.975 MHz Audio Input = 15000 Hz at 50% Modulation plus 16 dB
Date:	March 11, 1998
Tech:	T. Schneider
Sheet	12 of 12



Retlif Testing Laboratories

Report No. R-7456-4

EXHIBIT H

Para. 2.993

Field Strength of Spurious Radiation



Retlif Testing Laboratories

Test Report Number No. R-7456-4
FCC ID: F3S3K5LTX

FIELD STRENGTH OF SPURIOUS RADIATION (PARA 2.993)

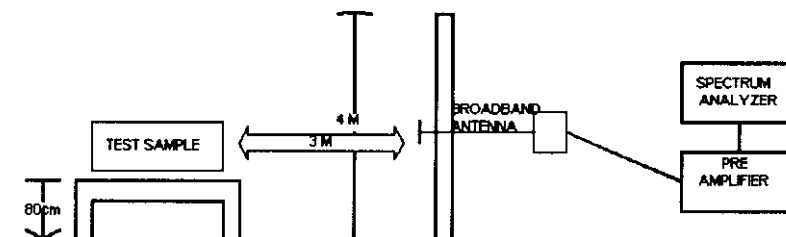
A. Measurement Procedure:

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:

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

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

Test Report Number No. R-7456-4
FCC ID: F3S3K5LTX

RETLIF TESTING LABORATORIES

TABULAR DATA SHEET

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

JOB No.: R-7456-4

FCC ID: F3S3K5LTX

SAMPLE:

SERIAL No.: N/A

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

CONTINUOUSLY TRANSMITTING A CW SIGNAL AT CENTER FREQUENCY

DATE: 3/12/98

Center Frequency= 174.10 Mhz Distance= 3 Meters LIMIT = $49.2 \times \text{OUTPUT POWER}$ - $(43 + 10\log \text{OUTPUT POWER})$

[illegible]

RETLIF TESTING LABORATORIES

TABULAR DATA SHEET

TEST METHOD:	SPURIOUS EMISSIONS, PARAGRAPH 2.993		
CUSTOMER:	BBM Electronic Group Limited	JOB No.:	R-7456-4
TEST SAMPLE:	174 Mhz - 216 Mhz VHF Transmitter	FCC ID:	F3S3K5LTX
MODEL No.:	S3500	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= 195.025 Mhz Distance= 3 Meters LIMIT = $49.2 \times \text{OUTPUT POWER}$ (43 + 10log OUTPUT POWER)		

[illegible]

TABULAR DATA SHEET

TEST METHOD:	SPURIOUS EMISSIONS, PARAGRAPH 2.993		
CUSTOMER:	BBM Electronic Group Limited	JOB No.:	R-7456-4
TEST SAMPLE:	174 Mhz - 216 Mhz VHF Transmitter		FCC ID: F3S3K5LTX
MODEL No.:	S3500	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= 215.975 Mhz Distance= 3 Meters LIMIT = $49.2 + 10 \log \text{OUTPUT POWER}$ 3		

[illegible]

EXHIBIT H

Para. 2.995

Frequency Stability



Retlif Testing Laboratories

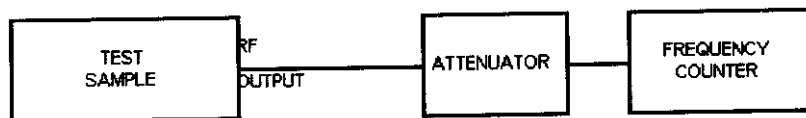
Test Report Number No. R-7456-4
FCC ID: F3S3K5LTX

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

Test Report Number No. R-7456-4

FCC ID: F3S3K5LTX

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-7456-4

TEST

SAMPLE:

174 MHz to 216 MHz Wireless FM Transmitter

MODEL No.:

S3500MTX

SERIAL No.:

FCC ID: F3S3K5LTX

TEST

SPECIFICATION:

FCC Part 74 Experimental Radio, Auxilliary, Special Broadcast and other Program Distributional Services

PARAGRAPH: 74.861 (e) (4)

OPERATING

MODE:

Transmitting a CW signal at center frequency of 195.025 MHz

TECHNICIAN:

T. Schneider •

DATE:

3/09/98

NOTES:

Level adjustment set at maximum.

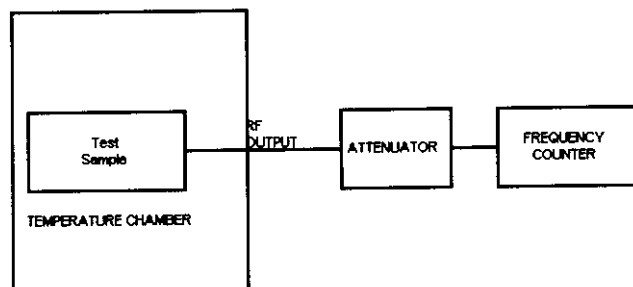
[illegible]

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

Test Report Number No. R-7456-4

FCC ID: F3S3K5LTX

RETLIF TESTING LABORATORIES

TABULAR DATA SHEET

TEST METHOD:

FREQUENCY STABILITY (-30 DEGREES TO +50 DEGREES) Para 2.985

CUSTOMER:

BBM Electronics

JOB No.:

R-7456-4

TEST

174 MHz to 216 MHz Wireless FM Transmitter

SAMPLE:

MODEL No.:

S3500LTX

SERIAL No.:

FCC ID: F3S3K5LTX

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 195.025 MHz

TECHNICIAN:

N. Accardi

DATE:

3/11/98

NOTES:

Level adjustment set at maximum.

[illegible]

TEST EQUIPMENT LIST



Retlif Testing Laboratories

Test Report Number No. R-7456-4
FCC ID: F3S3K5LTX

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 Oscillator	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



Retlif Testing Laboratories

Test Report Number No. R-7456-4

FCC ID: F3S3K5LTX