

EXHIBIT 3

Technical Description

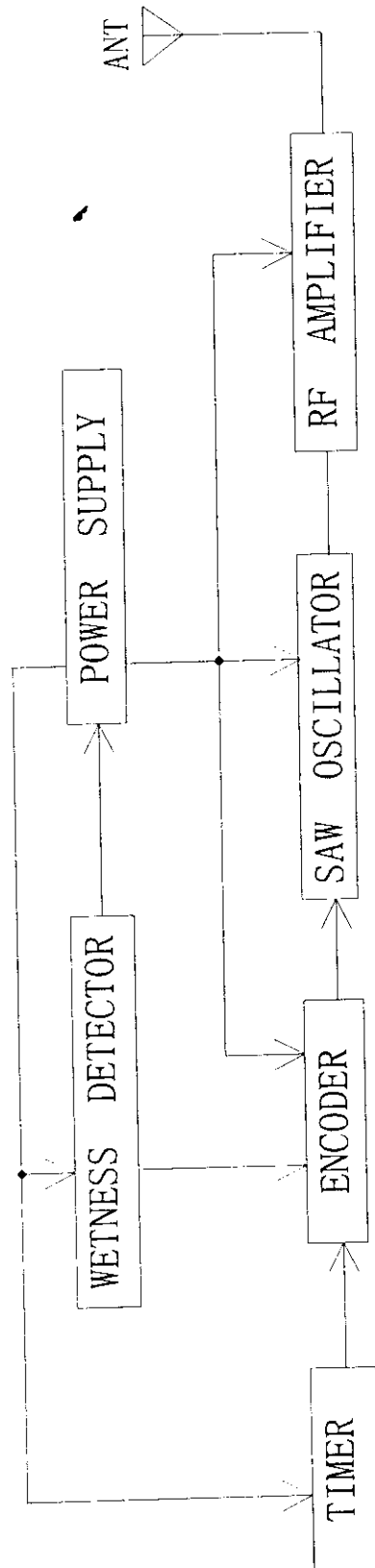
Para. 2.1033(b)(4)

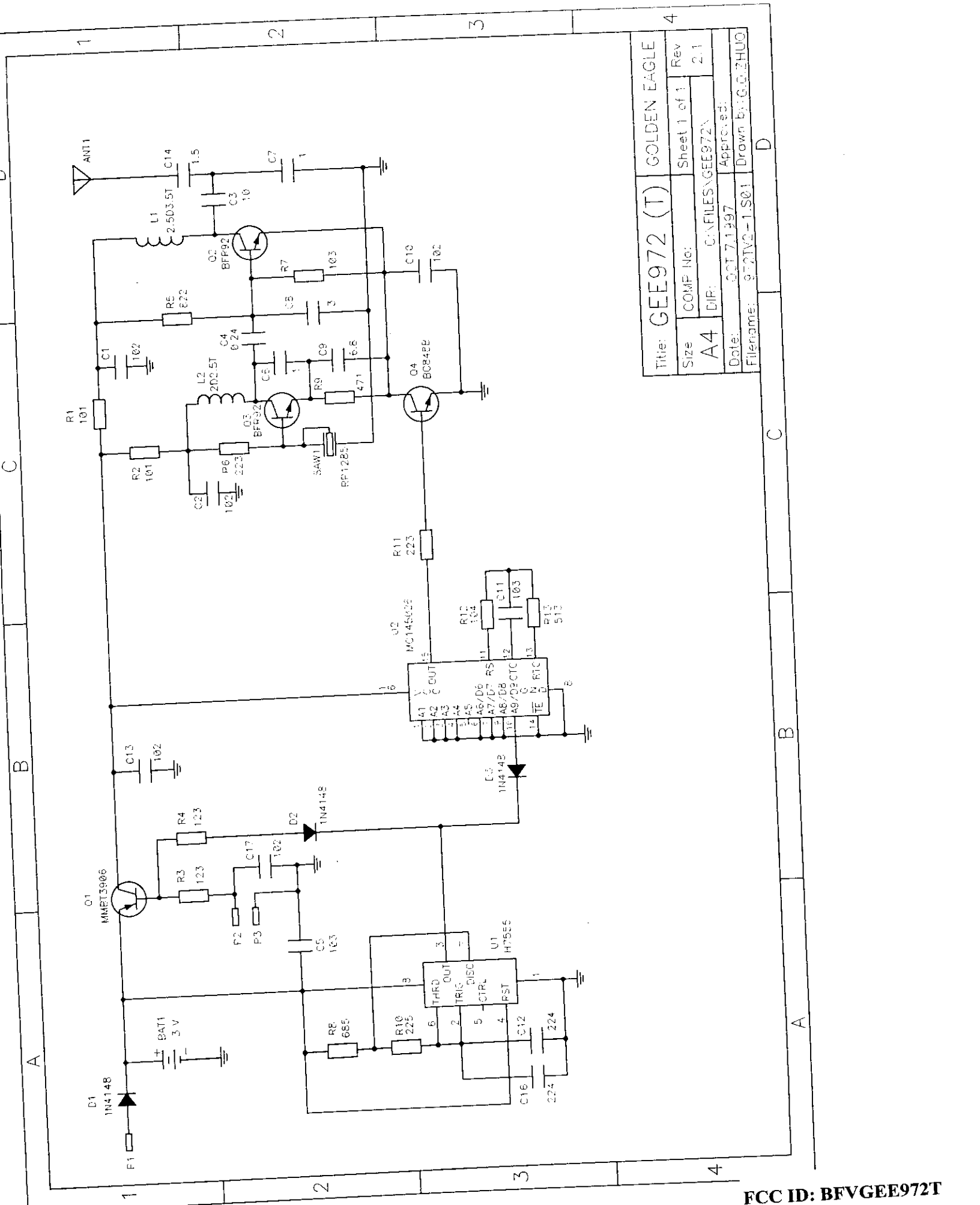


Retlif Testing Laboratories

Test Report Number R-7376-2
FCC ID: BFGGEE972T

FUNCTIONAL BLOCK DIAGRAM OF GEE972(T)





Title: GEE972 (T) GOLDEN EAGLE		Sheet 1 of 1		Rev
Size	COMP No:	A4		2.1
Date:	DIR:	C:\FILES\GEE972\		Approved:
Filename:	QCTV2-1.S01	QCTV2-1.S01		Drawn by: G.O. ZHUO

Quantity	Type	Value	Ref Designators
1	LEADWIRE	AWG28 RED 100MM	ANT1
1	RECHARGEABLE BATTERY	1.2V/GP35BVT X 2	BAT1
1	CAP SMD (0805)	0.24 PF	C4
1	CAP SMD (0805)	1 PF	C7
1	CAP SMD (0805)	1.5 PF	C6,C14
2	CAP SMD (0805)	10 PF	C3
1	CAP SMD (0805)	1000 PF	C1,C2,C10,C13,C17
5	CAP SMD (0805)	0.01 UF	C5,C11
2	CAP SMD (0805)	0.22 UF	C12,C16
2	CAP SMD (0805)	3 PF	C8,C9
2	COIL CHOKE	2.5D3.5T	L1
1	COIL CHOKE	2D2.5T	L2
1	DIODE SMD	1N4148	D2,D3
2	SAW	RP1285	SAW1
1	IC SMD	H7555	U1
1	IC SMD	MC145026	U2
1	TRANSISTOR SMD	BC848B	Q4
2	TRANSISTOR SMD	BFR92	Q2,Q3
1	TRANSISTOR SMD	MMBT3906	Q1
2	RES SMD (0805)	100 OHM	R1,R2
2	RES SMD (0805)	10K OHM	R3,R7
1	RES SMD (0805)	100K OHM	R12
1	RES SMD (0805)	22K OHM	R6
1	RES SMD (0805)	220K OHM	R10
1	RES SMD (0805)	470 OHM	R9
1	RES SMD (0805)	47K OHM	R4
2	RES SMD (0805)	51K OHM	R11,R13
1	RES SMD (0805)	6M8 OHM	R8
1	RES SMD (0805)	8K2 OHM	R5
1	PCB DOUBLE SIDE	FG 1.0MM 29 X 24MM	

EXHIBIT 5

Installation and Operating Instructions

Para. 2.1033(b)(3)



Retlif Testing Laboratories

Test Report Number R-7376-2
FCC ID: BFGEE972T

EXHIBIT 6

Report of Measurements

Para. 2.1033(b)(6)



Retlif Testing Laboratories

Test Report Number R-7376-2
FCC ID: BFVGEE972T

APPLICANT Golden Eagle Electronics Manufactory Ltd. 16/F Southeast Industrial Building 611-619 Castle Peak Road Tsuen Wan, Hong Kong	MANUFACTURER SAME
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TEST SPECIFICATION: FCC Rules and Regulations Part 15, Subpart C

TEST PROCEDURE: ANSI C63.4:1992

TEST SAMPLE DESCRIPTION

BRANDNAME: Golden Eagle MODEL: GEE-972T

TYPE: Wetness Sensor Transmitter

POWER REQUIREMENTS: 3.5VDC derived from (2) GP35BVT Batteries

FREQUENCY OF OPERATION: 916.5MHz (902 - 928MHz Band)

TESTS PERFORMED

TRANSMIT MODE:

Para. 15.249(a), Radiated Emissions, Fundamental & Harmonics

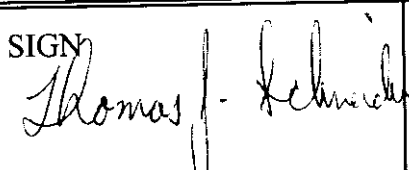
Para. 15.249(c), Occupied Bandwidth

Para. 15.209(a), Radiated Emissions, Spurious Case

Para. 15.207(a), AC Line Conducted Emissions (via Rx while recharging)

I HEREBY CERTIFY THAT: The measurements shown here were in accordance with the procedure indicated and that the energy emitted by this equipment was found to be within the limits applicable. I assume full responsibility for the accuracy and completeness of these measurements and vouch for the qualifications of all persons taking them.

I FURTHER CERTIFY THAT: On the basis of the measurements made, the device tested is capable of operation in compliance with the requirements of Part 15 of the FCC Rules under normal use and maintenance.

SIGN 	PRINT Thomas J. Schneider	TITLE EMC Test Engineer
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Retlif Testing Laboratories

Test Report Number R-7376-2
FCC ID: BFGGEE972T

REPORT OF MEASUREMENTS

Applicant: Golden Eagle Electronics Manufactory Ltd.
Device: Wetness Sensor Transmitter
FCC ID: BFVGEE972T
Power Requirements: 3.5VDC derived from (2) GP35 BVT Batteries
Applicable Rule Section: Part 15, Subpart C, Section 15.249

TEST RESULTS

- 15.203: The intentional radiator is designed to ensure that no antenna other than that furnished by the applicant can be used with the device.
- 15.207(a): The radio frequency voltage that was conducted back on to the AC power line on any frequency/frequencies within the bandwidth of 450kHz to 30MHz did not exceed 250 microvolts.
- 15.249(a): The unit operates at 916.5MHz in the 902-928MHz band.
The field strength of the fundamental did not exceed 50mV/M Average at 3 meters.
The field strength of the harmonics did not exceed 500 μ V/M Average at 3 meters.
- 15.249(b): Field strength readings were taken at three meters unless otherwise indicated..
- 15.249(c): Emissions radiated outside the 902 - 928MHz frequency band, except for harmonics, were attenuated in accordance with the general radiated emissions limits of 15.209.
- 15.249(d): The peak field strength of any emission did not exceed the maximum permitted average field strength by more than 20dB under any condition of modulation.



Retlif Testing Laboratories

Test Report Number R-7376-2
FCC ID: BFVGEE972T

REPORT OF MEASUREMENTS (continued)

DETERMINATION OF DUTY CYCLE

The unit's RF output was directly coupled to the input of the spectrum analyzer. The analyzer was set for a frequency span of 0Hz. The sweep time was then adjusted in order to display one full pulse train. The transmitter on time was then summed and compared to the time for one full cycle in order to obtain the duty cycle.

Transmitter On Time	=	17.92 milliseconds (maximum)
Transmitter Cycle Time	=	106.6 milliseconds
Transmitter Duty Cycle	=	17.92 % (-15.0dB Avg Correction Factor)
Duty Cycle Calculation	=	16 pulses @ $620\mu s = 9.92 \text{ mS}$ + 2 pulses @ $4 \text{ mS} = 8 \text{ msec}$
Duty Cycle	=	17.92 mS

SPECTRUM ANALYZER DESENSITIZATION CONSIDERATIONS

Due to the nature of the emissions being measured, care was taken to ensure that the resolution bandwidth of the spectrum analyzer was adequate to provide accurate measurements. The following formula was utilized:

$$\text{Pulse Desensitization} = 20 \text{ Log (PW * BW * 1.5)}$$

Setting pulse desensitization equal to zero and utilizing the minimum observed pulse width of 620.0 microseconds yields a minimum required bandwidth of 1075.2Hz. FCC specified band widths of 100kHz and 1MHz were utilized below and above, 1GHz respectively.

GENERAL NOTES

1. All readings were taken utilizing a peak detector function at a test distance of 3 Meters.
2. The duty cycle was applied to the peak readings in order to determine the average value of the emissions.
3. All measurements were made with two (2) GP35BVT batteries installed in the unit.
4. The frequency range was scanned from 30MHz to 10GHz. All emissions not reported were more than 20dB below the specified limit.



Retlif Testing Laboratories

Test Report Number R-7376-2
FCC ID: BFGVEE972T

Exhibit 6

Report of Measurements

Radiated Emissions Data, Para. 15.249(a)



Retlif Testing Laboratories

Test Report Number R-7376-2
FCC ID: BFVGEE972T

RETLIF TESTING LABORATORIES

TABULAR DATA SHEET

TEST METHOD:	FCC Part 15 Subpart C Radiated Emissions, Transmitter Fundamental and Harmonics		
CUSTOMER:	Golden Eagle Electronics	JOB No.:	R-7376-2
TEST SAMPLE:	900 Mhz Wetness Sensor Transmitter		
MODEL No.:	GEE-972T	SERIAL No.:	FCC ID:BFVGEE972T
TEST SPECIFICATION:	FCC Part 15 Subpart C		
	PARAGRAPH: 15.249(a)		
OPERATING MODE:	Continuously transmitting a 916.5 Mhz pulsed signal		
TECHNICIAN:	Dennis Cortes <i>AP</i>	DATE:	01-12-97
NOTES:	Test Distance: 3 Meters (unless otherwise noted) Distance correction factor= 20 log (d2/d1) Detector Function: Peak		

Test Frequency	Antenna Pol./Height	EUT Orientation	Meter Reading	Correction Factor	Test Distance/Correction factor	Corrected Reading	Converted Reading	Peak Limit
MHz	(H/V) / meters	X / Y / Z	dBuV	dB	meters / dB	dBuV/m	uV/m	uV/m
916.5	H/1.0	X	72.5	8.3	3.0/0	80.8	10964.8	500000
	H/1.4	Y	61.7	8.3	3.0/0	70.0	3162.3	500000
	H/1.0	Z	72.6	8.3	3.0/0	80.9	11091.7	500000
	V/1.6	X	56.3	8.3	3.0/0	64.6	1698.2	500000
V	V/1.0	Y	70.4	8.3	3.0/0	78.7	8609.9	500000
916.5	V/1.0	Z	64.1	8.3	3.0/0	72.4	4168.7	500000
1833.0	H/1.4	X	51.2	-2.6	3.0/0	48.6	269.2	5000
	H/1.1	Y	46.9	-2.6	3.0/0	44.3	164.1	5000
	H/1.2	Z	51.8	-2.6	3.0/0	49.2	288.4	5000
	V/1.5	X	53.1	-2.6	3.0/0	50.5	335.0	5000
V	V/1.3	Y	51.5	-2.6	3.0/0	48.9	278.6	5000
1833.0	V/1.2	Z	45.9	-2.6	3.0/0	43.3	146.2	5000
2749.5	H/1.0	X	NF=42.3	1.1	1.5/-6.0	37.4	74.1	5000
	H/1.0	Y	NF=42.3	1.1	1.5/-6.0	37.4	74.1	5000
	H/1.0	Z	NF=42.3	1.1	1.5/-6.0	37.4	74.1	5000
	V/1.3	X	43.2	1.1	1.5/-6.0	38.3	82.2	5000
V	V/1.0	Y	NF=42.3	1.1	1.5/-6.0	37.4	74.1	5000
2749.5	V/1.0	Z	NF=42.3	1.1	1.5/-6.0	37.4	74.1	5000
3666.0	H/1.6	X	44.2	7.4	1.5/-6.0	45.6	190.5	5000
	H/1.0	Y	NF=41.5	7.4	1.5/-6.0	42.9	139.6	5000
	H/1.0	Z	NF=41.5	7.4	1.5/-6.0	42.9	139.6	5000
	V/1.4	X	42.5	7.4	1.5/-6.0	43.9	156.7	5000
V	V/1.0	Y	NF=41.2	7.4	1.5/-6.0	42.6	134.9	5000
3666.0	V/1.0	Z	NF=41.2	7.4	1.5/-6.0	42.6	134.9	5000
4582.5	H/1.0	X	NF=42.4	14.6	1.0/-9.5	47.5	237.1	5000
	H/1.0	Y	NF=42.4	14.6	1.0/-9.5	47.5	237.1	5000
	H/1.0	Z	NF=42.4	14.6	1.0/-9.5	47.5	237.1	5000
	V/1.0	X	NF=42.4	14.6	1.0/-9.5	47.5	237.1	5000
V	V/1.0	Y	NF=42.4	14.6	1.0/-9.5	47.5	237.1	5000
4582.5	V/1.0	Z	NF=42.4	14.6	1.0/-9.5	47.5	237.1	5000
The frequency range was scanned from 916.5 MHz to 9.165 GHz.								
Emissions from the EUT do not exceed the specified limits.								
NF= Minimum system sensitivity (Noise Floor)								

RETLIF TESTING LABORATORIES

TABULAR DATA SHEET

TEST METHOD:	FCC Part 15 Subpart C Radiated Emissions, Transmitter Fundamental and Harmonics		
CUSTOMER:	Golden Eagle Electronics	JOB No.:	R-7376-2
TEST SAMPLE:	900 Mhz Wetness Sensor Transmitter		
MODEL No.:	GEE-972T	SERIAL No.:	FCC ID:BFVGEE972T
TEST SPECIFICATION:	FCC Part 15 Subpart C PARAGRAPH: 15.249(a)		
OPERATING MODE:	Continuously transmitting a 916.5 Mhz pulsed signal		
TECHNICIAN:	Dennis Cortes	DATE:	01-12-97
NOTES:	Test Distance: 3 Meters (unless otherwise noted) Distance correction factor= 20 log (d2/d1) Detector Function: Peak		

Test Frequency	Antenna Pol /Height	EUT Orientation	Meter Reading	Correction Factor	Test Distance/ Correction factor	Corrected Reading	Converted Reading	Peak Limit
MHz	(H/V) / meters	X / Y / Z	dBuV	dB	meters / dB	dBuV/m	uV/m	uV/m
5499.0	H/1.0	X	40.1	18.7	1.0/-9.5	49.3	291.7	5000
	H/1.0	Y	40.1	18.7	1.0/-9.5	49.3	291.7	5000
	H/1.0	Z	40.1	18.7	1.0/-9.5	49.3	291.7	5000
	V/1.0	X	40.1	18.7	1.0/-9.5	49.3	291.7	5000
V	V/1.0	Y	40.1	18.7	1.0/-9.5	49.3	291.7	5000
5499.0	V/1.0	Z	40.1	18.7	1.0/-9.5	49.3	291.7	5000
6415.5	H/1.0	X	43.8	8.5	1.0/-9.5	42.8	138.0	5000
	H/1.0	Y	43.8	8.5	1.0/-9.5	42.8	138.0	5000
	H/1.0	Z	43.8	8.5	1.0/-9.5	42.8	138.0	5000
	V/1.0	X	43.8	8.5	1.0/-9.5	42.8	138.0	5000
V	V/1.0	Y	43.8	8.5	1.0/-9.5	42.8	138.0	5000
6415.5	V/1.0	Z	43.8	8.5	1.0/-9.5	42.8	138.0	5000
7332.0	H/1.0	X	43.5	11.7	1.0/-9.5	45.7	192.8	5000
	H/1.0	Y	43.5	11.7	1.0/-9.5	45.7	192.8	5000
	H/1.0	Z	43.5	11.7	1.0/-9.5	45.7	192.8	5000
	V/1.0	X	43.5	11.7	1.0/-9.5	45.7	192.8	5000
V	V/1.0	Y	43.5	11.7	1.0/-9.5	45.7	192.8	5000
7332.0	V/1.0	Z	43.5	11.7	1.0/-9.5	45.7	192.8	5000
8248.5	H/1.0	X	43.9	13.4	1.0/-9.5	47.8	245.5	5000
	H/1.0	Y	43.9	13.4	1.0/-9.5	47.8	245.5	5000
	H/1.0	Z	43.9	13.4	1.0/-9.5	47.8	245.5	5000
	V/1.0	X	43.9	13.4	1.0/-9.5	47.8	245.5	5000
V	V/1.0	Y	43.9	13.4	1.0/-9.5	47.8	245.5	5000
8248.5	V/1.0	Z	43.9	13.4	1.0/-9.5	47.8	245.5	5000
9165.0	H/1.0	X	43.8	13.4	1.0/-9.5	47.7	242.7	5000
	H/1.0	Y	43.8	13.4	1.0/-9.5	47.7	242.7	5000
	H/1.0	Z	43.8	13.4	1.0/-9.5	47.7	242.7	5000
	V/1.0	X	43.8	13.4	1.0/-9.5	47.7	242.7	5000
V	V/1.0	Y	43.8	13.4	1.0/-9.5	47.7	242.7	5000
9165.0	V/1.0	Z	43.8	13.4	1.0/-9.5	47.7	242.7	5000
The frequency range was scanned from 916.5 MHz to 9.165 GHz.								
Emissions from the EUT do not exceed the specified limits.								
NF= Minimum system sensitivity (Noise Floor)								

RETLIF TESTING LABORATORIES

TABULAR DATA SHEET

TEST METHOD: FCC Part 15 Subpart C Radiated Emissions, Transmitter Fundamental and Harmonics

CUSTOMER: Golden Eagle Electronics JOB No.: R-7376-2

TEST SAMPLE: 900 Mhz Wetness Sensor Transmitter

MODEL No.: GEE-972T SERIAL No.: FCC ID:BFVGEE972T

TEST SPECIFICATION: FCC Part 15 Subpart C PARAGRAPH: 15.249(a)

OPERATING MODE: Continuously transmitting a 916.5 Mhz pulsed signal

TECHNICIAN: Dennis Cortes DATE: 01-12-97

NOTES: Test Distance: 3 Meters (unless otherwise noted)
Detector Function: Peak Worst Case Duty Cycle: 17.7% (-15.0 dB Duty Cycle Correction Factor)

Test Frequency	Antenna Pol /Height	EUT Orientation	Test Distance	Peak Corrected Reading	Duty Cycle Corr. Factor	Corrected Average Reading	Converted Average reading	Average Limit
MHz	(H/V) / meters	X / Y / Z	meters	dBuV/m	dB	dBuV/m	uV/m	uV/m
916.5	H/1.0	X	3.0	80.8	-15.0	65.8	1949.8	50000
	H/1.4	Y	3.0	70.0	-15.0	55.0	562.3	50000
	H/1.0	Z	3.0	80.9	-15.0	65.9	1972.4	50000
	V/1.6	X	3.0	64.6	-15.0	49.6	302.0	50000
V	V/1.0	Y	3.0	78.7	-15.0	63.7	1531.1	50000
916.5	V/1.0	Z	3.0	72.4	-15.0	57.4	741.3	50000
1833.0	H/1.4	X	3.0	48.6	-15.0	33.6	47.9	500
	H/1.1	Y	3.0	44.3	-15.0	29.3	29.2	500
	H/1.2	Z	3.0	49.2	-15.0	34.2	51.3	500
	V/1.5	X	3.0	50.5	-15.0	35.5	59.6	500
V	V/1.3	Y	3.0	48.9	-15.0	33.9	49.5	500
1833.0	V/1.2	Z	3.0	43.3	-15.0	28.3	26.0	500
2749.5	H/1.0	X	1.5	NF=37.4	-15.0	22.4	13.2	500
	H/1.0	Y	1.5	NF=37.4	-15.0	22.4	13.2	500
	H/1.0	Z	1.5	NF=37.4	-15.0	22.4	13.2	500
	V/1.3	X	1.5	38.3	-15.0	23.3	14.6	500
V	V/1.0	Y	1.5	NF=37.4	-15.0	22.4	13.2	500
2749.5	V/1.0	Z	1.5	NF=37.4	-15.0	22.4	13.2	500
3666.0	H/1.6	X	1.5	45.6	-15.0	30.6	33.9	500
	H/1.0	Y	1.5	NF=42.9	-15.0	27.9	24.8	500
	H/1.0	Z	1.5	NF=42.9	-15.0	27.9	24.8	500
	V/1.4	X	1.5	43.9	-15.0	28.9	27.9	500
V	V/1.0	Y	1.5	NF=42.6	-15.0	27.6	24.0	500
3666.0	V/1.0	Z	1.5	NF=42.6	-15.0	27.6	24.0	500
4582.5	H/1.0	X	1.0	NF=47.5	-15.0	32.5	42.2	500
	H/1.0	Y	1.0	NF=47.5	-15.0	32.5	42.2	500
	H/1.0	Z	1.0	NF=47.5	-15.0	32.5	42.2	500
	V/1.0	X	1.0	NF=47.5	-15.0	32.5	42.2	500
V	V/1.0	Y	1.0	NF=47.5	-15.0	32.5	42.2	500
4582.5	V/1.0	Z	1.0	NF=47.5	-15.0	32.5	42.2	500
The frequency range was scanned from 916.5 MHz to 9.165 GHz.								
Emissions from the EUT do not exceed the specified limits.								
NF= Minimum system sensitivity (Noise Floor)								

TABULAR DATA SHEET

TEST METHOD:	FCC Part 15 Subpart C Radiated Emissions, Transmitter Fundamental and Harmonics		
CUSTOMER:	Golden Eagle Electronics	JOB No.:	R-7376-2
TEST SAMPLE:	900 Mhz Wetness Sensor Transmitter		
MODEL No.:	GEE-972T	SERIAL No.:	FCC ID:BFVGEE972T
TEST SPECIFICATION:	FCC Part 15 Subpart C		PARAGRAPH: 15.249(a)
OPERATING MODE:	Continuously transmitting a 916.5 Mhz pulsed signal		
TECHNICIAN:	Dennis Cortes <i>DC</i>	DATE:	01-12-97
NOTES:	Test Distance: 3 Meters (unless otherwise noted) Detector Function: Peak Worst Case Duty Cycle: 17.7% (-15.0 dB Duty Cycle Correction Factor)		

[illegible]

TABULAR DATA SHEET

FCC Part 15 Radiated Emissions, 30 MHz to 10 GHz

Golden Eagle Electronics

JOB No.: R-7376-2

900 Mhz Wetness Sensor Transmitter

GEE-972T

SERIAL No.: FCC ID:BFVGEE972T

FCC Part 15, Subpart C

PARAGRAPH: 15.209(a)

Continuously transmitting a 916.5 Mhz pulsed signal

Dennis Cortes

DATE: 01-08-98

Detector Function: Quasi-Peak
Test Distance: 3 Meters

DATA SHEET 1 OF 1

R-7376-2

Exhibit 6

Report of Measurements

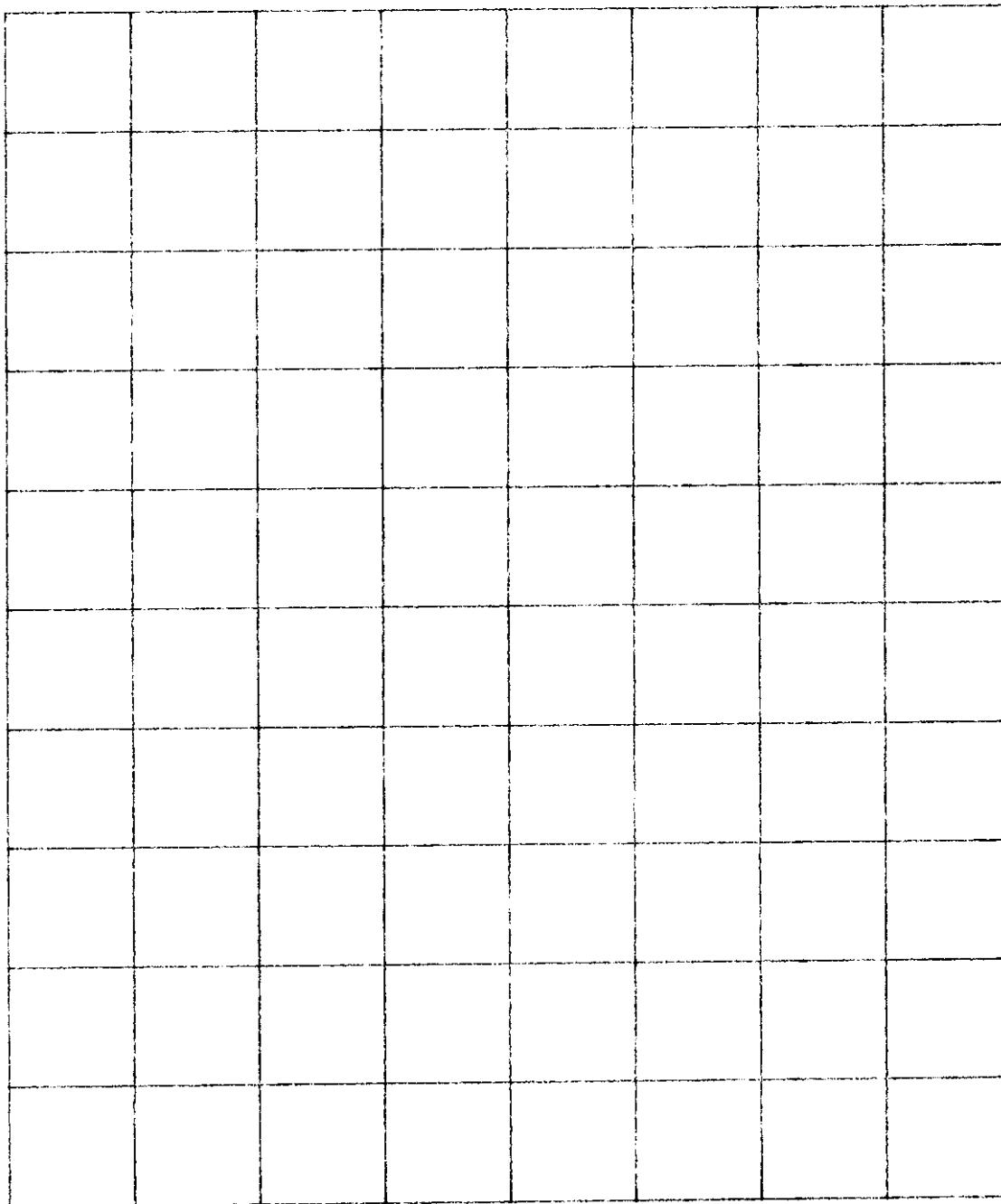
Occupied Bandwidth, Para. 15.249(c)



Retlif Testing Laboratories

Test Report Number R-7376-2
FCC ID: BFVGEE972T

15:38:10 JAN 08, 1998
 R-7376-2 FCC ID: BFGEE972T FCC15.249c OCC BANDWIDTH
 REF 79.0 dBμV AT 10 dB



PEAK
 LOG
 10
 dB/

VA SB
 SC FC
 CORR

START 902.00 MHz STOP 928.00 MHz
 #RES BW 10 kHz VBW 30 kHz SWP 780 msec

Customer:	Golden Eagle Electronics
Test Sample:	900 Mhz Wetness Sensor Transmitter
Model No:	FCC ID: BFGEE972T
Test Method:	Occupied Bandwidth
Notes:	Emission stays within 902 Mhz- 928 Mhz Band. Spurious emissions are at least 50dB below the level of the fundamental frequency.
Date:	01-08-98
Tech:	Dennis Cortes
Sheet	1 of 1



Retlif Testing Laboratories

Report No. R-7376-2

Exhibit 6

Report of Measurements

AC Line Conducted Emissions Data, Para. 15.207(a)

Via Receiver while Recharging



Retlif Testing Laboratories

Test Report Number R-7376-2
FCC ID: BFVGEE972T

R-7376-2 GEE-972T FCC 15.207(a) C.E. 1/5/98 LEAD- Hot

REF 85.0 dBμV ATTEN 10 dB

HP

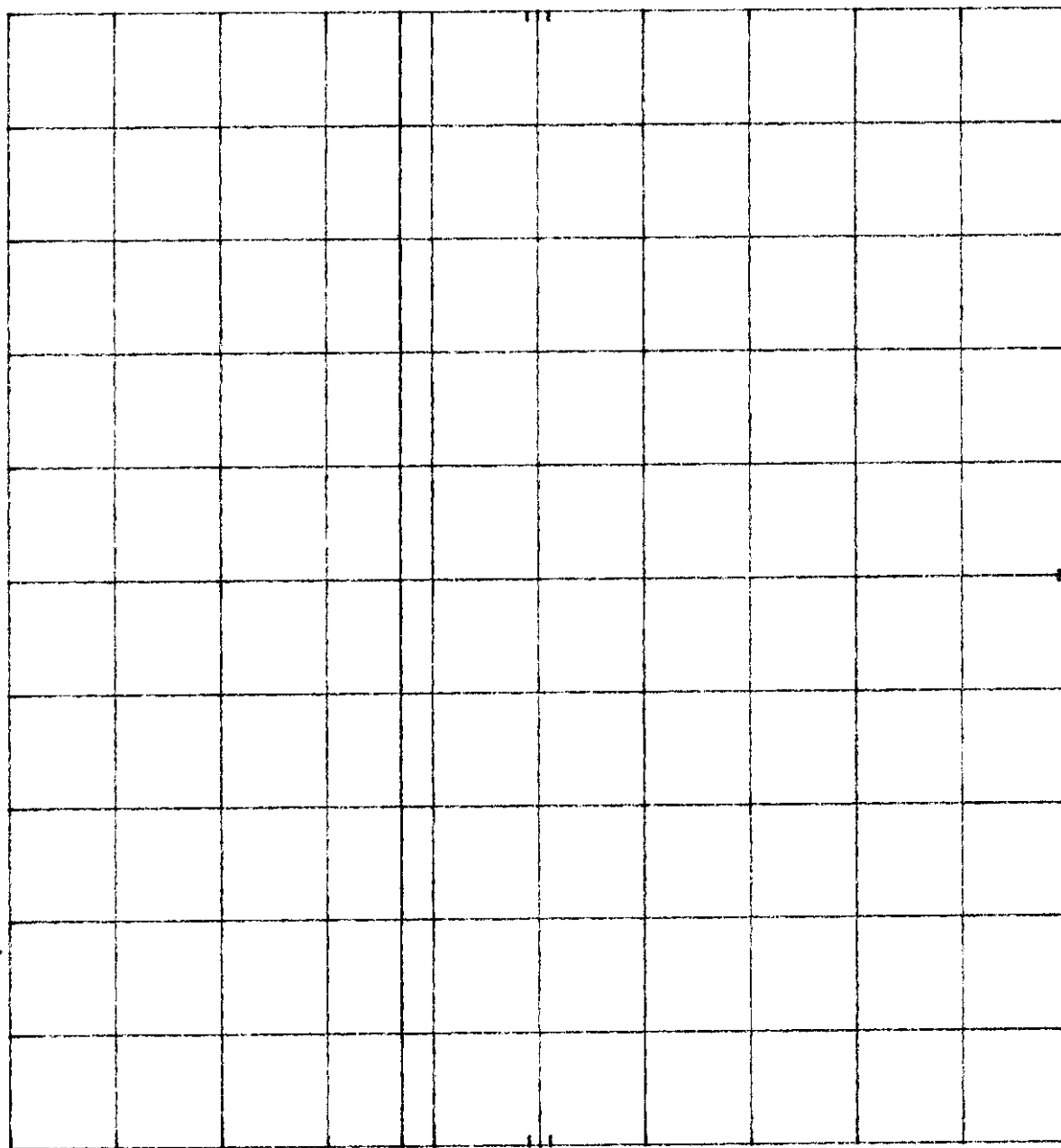
10 dB/

OFFSET

10.0 dB

DL

48.0 dBμV



START 450 kHz RES BW 9.0 kHz VBW 300 kHz STOP 1.70 MHz SWP 150 sec

Customer:	Golden Eagle Electronics
Test Sample:	Witness Sensor Transmitter
Model No:	GEE-972T
Test Method:	FCC 15.207 (a) Conducted Emissions
Notes:	Lead Tested: Hot Detector Function: Quasi-peak
Date:	1/5/98
Tech:	N. Dragotta
Sheet	1 of 6



Retlif Testing Laboratories

Report No. R-7363-2

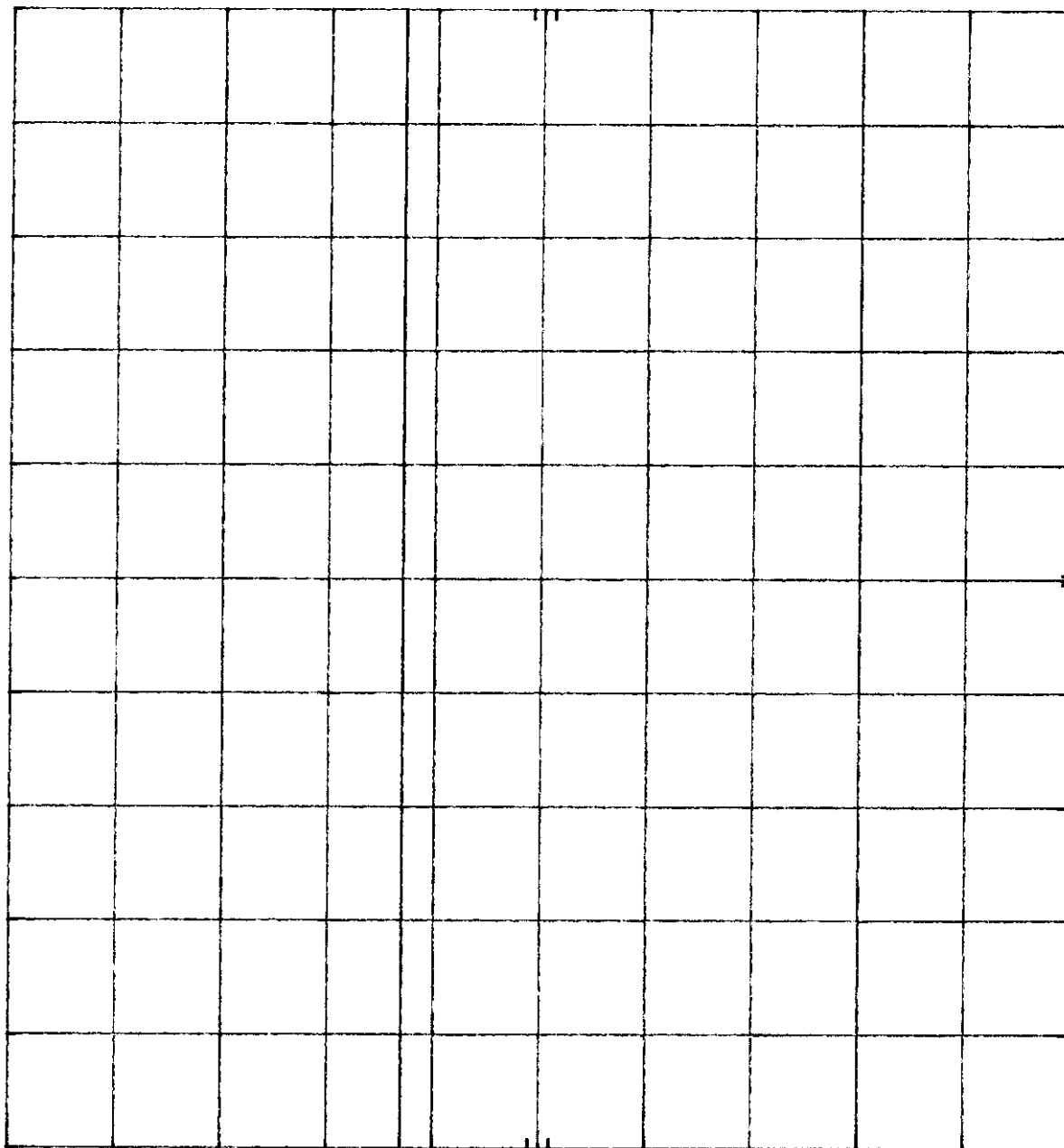
R-7376-2 GEE-972T FCC 15.207(a) C.E. 1/5/98 LEAD- NEUTRAL
 REF 85.0 dBμV ATTEN 10 dB

hp

10 dB/

OFFSET
 10.0
 dB

DL
 48.0
 dBμV



START 450 kHz RES BW 9.0 kHz VBW 300 kHz STOP 1.70 MHz SWP 150 sec

Customer:	Golden Eagle Electronics
Test Sample:	Wetness Sensor Transmitter
Model No:	GEE-972T
Test Method:	FCC 15.207 (a) Conducted Emissions
Notes:	Lead Tested: Neutral Detector Function: Quasi-peak
Date:	1/5/98
Tech:	N. Dragotta
Sheet	2 of 6



Retlif Testing Laboratories

Report No. R-7363-2

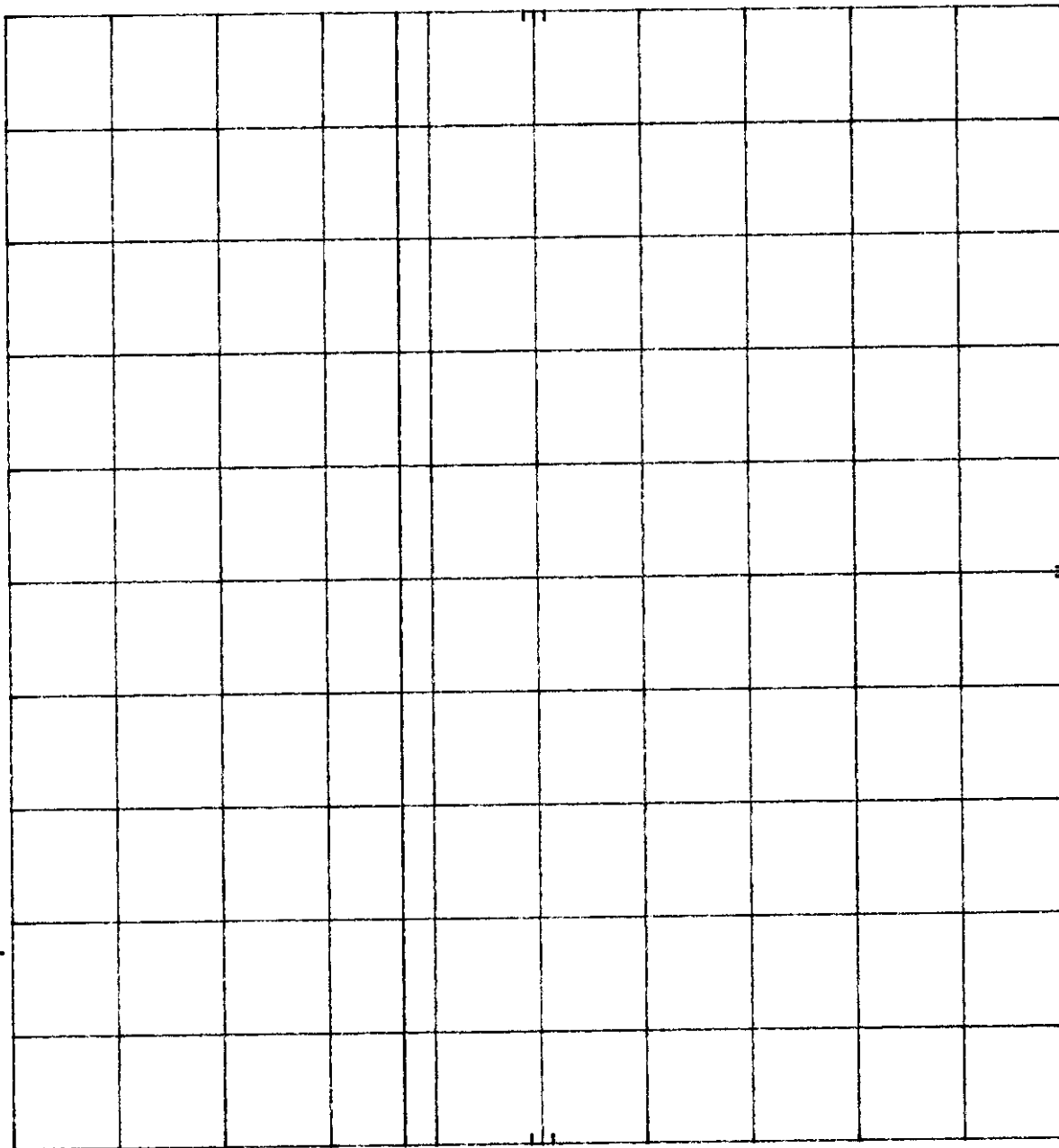
R-7376-2 GEE-972T FCC 15.207(a) C.E. 1/5/98 LEAD- Hot
 REF 85.0 dBμV ATTEN 10 dB

hp

10 dB/

OFFSET
 10.0
 dB

DL
 48.0
 dBμV



START 1.70 MHz RES BW 10 kHz VBW 30 kHz STOP 10.00 MHz SWP 20.0 sec

Customer: Golden Eagle Electronics
 Test Sample: Wetness Sensor Transmitter
 Model No.: GEE-972T
 Test Method: FCC 15.207 (a) Conducted Emissions
 Notes: Lead Tested: Hot
 Detector Function: Peak

Date: 1/5/98 Tech: N. Dragotta Sheet 3 of 6



Retlif Testing Laboratories

Report No. R-7363-2

R-7376-2 GEE-972T FCC 15.207(a) C.E. 1/5/98 LEAD- NEUTRAL

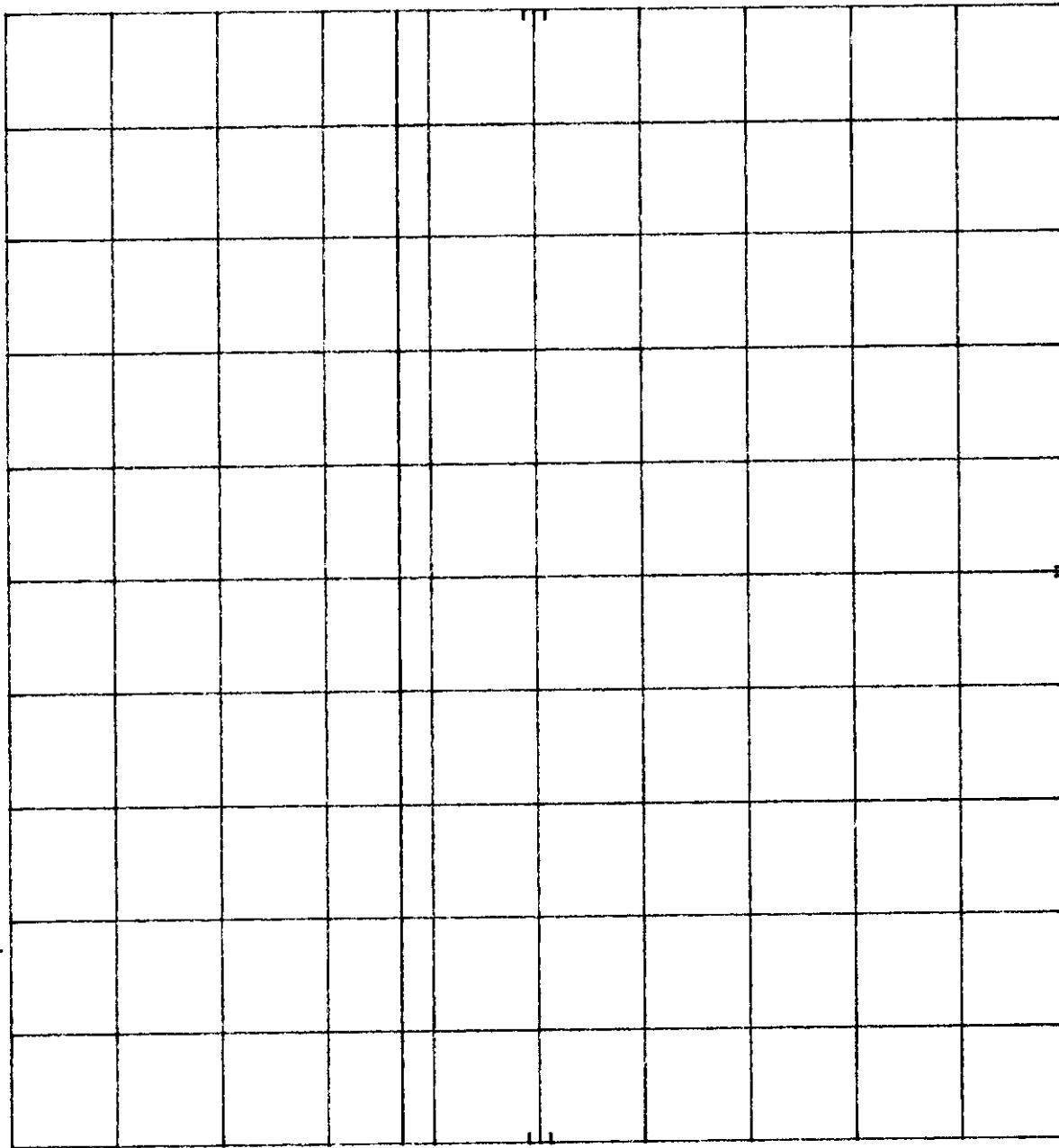
REF 85.0 dBμV ATTEN 10 dB

hp

10 dB/

OFFSET
10.0
dB

DL
48.0
dBμV



STOP 10.00 MHz
SWP 20.0 sec

VBW 30 kHz

START 1.70 MHz
RES BW 10 kHz

Customer:	Golden Eagle Electronics
Test Sample:	Wetness Sensor Transmitter
Model No.:	GEE-972T
Test Method:	FCC 15.207 (a) Conducted Emissions
Notes:	Lead Tested: Neutral
	Detector Function: Peak
Date: 1/5/98	Tech: N. Dragotta
Sheet 4 of 6	



Retlif Testing Laboratories

Report No. R-7363-2

R-7376-2 GEE-972T FCC 15.207(a) C.E. 1/5/98 LEAD- 1/5/98

REF 85.0 dBμV ATTEN 10 dB

10 dB/

10 dB/

OFFSET

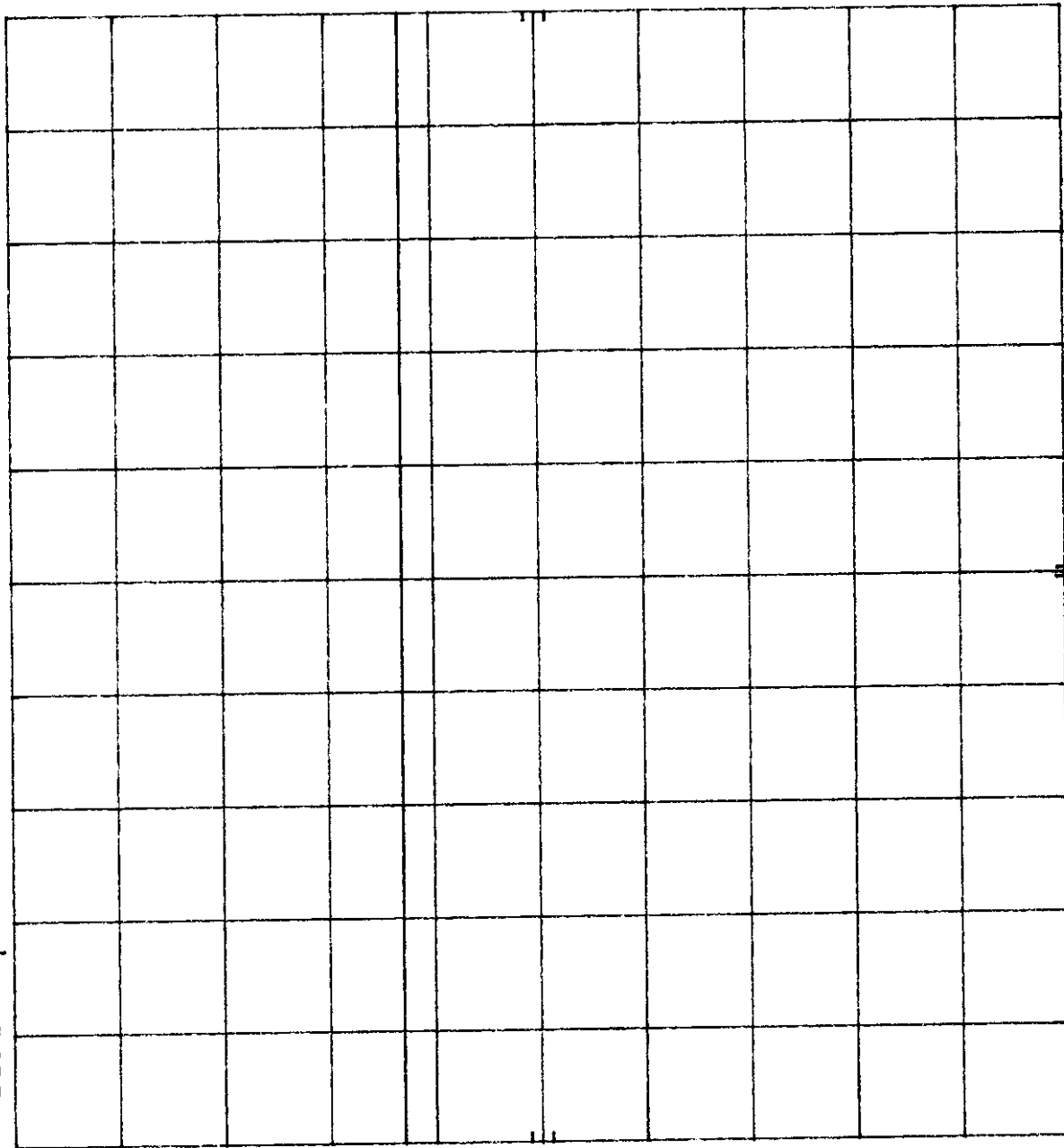
10.0

dB

DL

48.0

dBμV



START 10.0 MHz

RES BW 10 kHz

VBW 30 kHz

SWP 20.0 sec

STOP 30.0 MHz

Customer: Golden Eagle Electronics
 Test Sample: Wetness Sensor Transmitter
 Model No: GEE-972T
 Test Method: FCC 15.207 (a) Conducted Emissions
 Notes: Lead Tested: Hot
 Detector Function: Peak

Date: 1/5/98 Tech: N. Dragotta Sheet 5 of 6



Retlif Testing Laboratories

Report No. R-7363-2

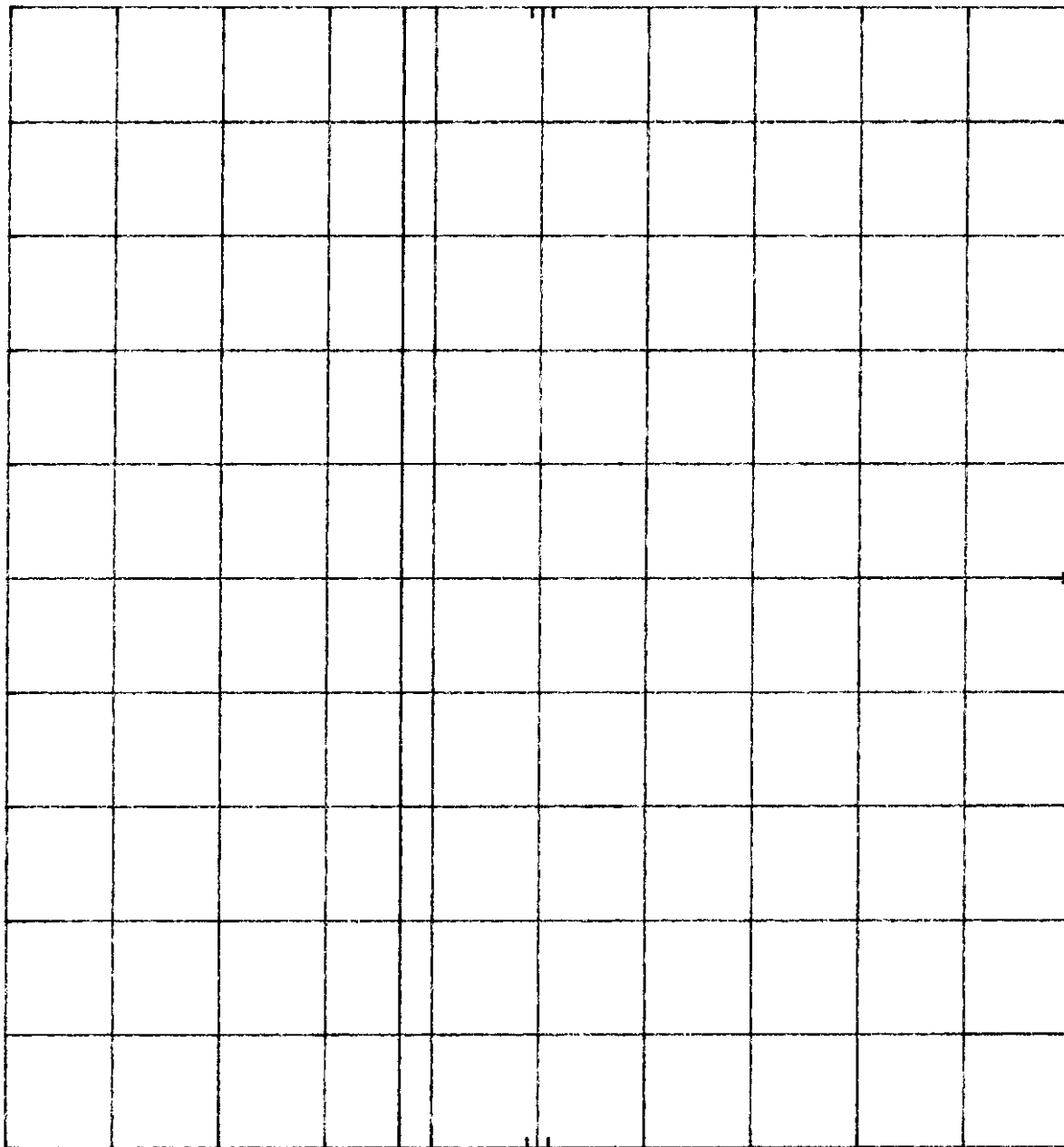
R-7376-2 GEE-972T FCC 15.207(a) C.E. 1/5/98 LEAD- NEUTRAL
 REF 85.0 dBμV ATTEN 10 dB

hp

10 dB/

OFFSET
 10.0
 dB

DL
 48.0
 dBμV



START 10.0 MHz RES BW 10 kHz VBW 30 kHz SWP 20.0 sec STOP 30.0 MHz

Customer:	Golden Eagle Electronics
Test Sample:	Wetness Sensor Transmitter
Model No.:	GEE-972T
Test Method:	FCC 15.207 (a) Conducted Emissions
Notes:	Lead Tested: Neutral Detector Function: Peak
Date:	1/5/98
Tech:	N. Dragotta
Sheet	6 of 6



Retlif Testing Laboratories

Report No. R-7363-2

Exhibit 6

Report of Measurements

Duty Cycle Determination



Retlif Testing Laboratories

Test Report Number R-7376-2
FCC ID: BFVGEE972T

R-7376-2 GEE-972T DUTY CYCLE DC 1/14/97 MKR A 106.6 msec
REF 90.0 dBW ATTEN 10 dB 0.60 dB

10 dB/

MARKER A
106.6 msec
0.60 dB

SPAN 0 Hz
SWP 200 msec

VBW 300 KHz

CENTER 916.592 005 MHz
RES BW 100 KHz

Customer: Golden Eagle Electronics
Test Sample: 900 Mhz Wetness Sensor Transmitter
Model No: FCC ID: BFGEE972T
Test Method: Duty Cycle Determination
Notes: Transmitter cycle time= 106.6 ms

Date: 01/14/97 Tech: Dennis Cortes Sheet 1 of 4



Retlif Testing Laboratories

Report No. R-7376-2

R-7376-2 GEE-972T DUTY CYCLE DC 1/12/97
REF 94.6 dBμW ATTEN 10 dB

MKR 84.30 msec
65.60 dBμW

10 dB

CENTER 916.590 005 MHz
RES BW 1 MHz
VBW 3 MHz
SPAN 0 Hz
SWP 100 msec

Customer: Golden Eagle Electronics
Test Sample: 900 Mhz Wetness Sensor Transmitter
Model No: FCC ID: BFGEE972T
Test Method: Duty Cycle Determination
Notes: Duty cycle Full Pulse Transmission

Date: 01/14/98 Tech: Dennis Cortes Sheet 2 of 4



Retlif Testing Laboratories

Report No. R-7376-2

R-7376-2 GEE-972T DUTY CYCLE DC 1/12/97 MKR Δ 620.0 μ sec
 REF 94.6 dB μ W ATTEN 10 dB -38.00 dB

h/p

0 dB/

MARKER Δ
 620.0 μ sec
 -38.00 dB

SPAN 0 Hz
 SWP 20.0 msec

VBW 3 MHz

CENTER 916.590 005 MHz
 RES BW 1 MHz

Customer: Golden Eagle Electronics
 Test Sample: 900 Mhz Wetness Sensor Transmitter
 Model No: FCC ID: BFGEE972T
 Test Method: Duty Cycle Determination
 Notes: Duty cycle minimum pulse width= 620us

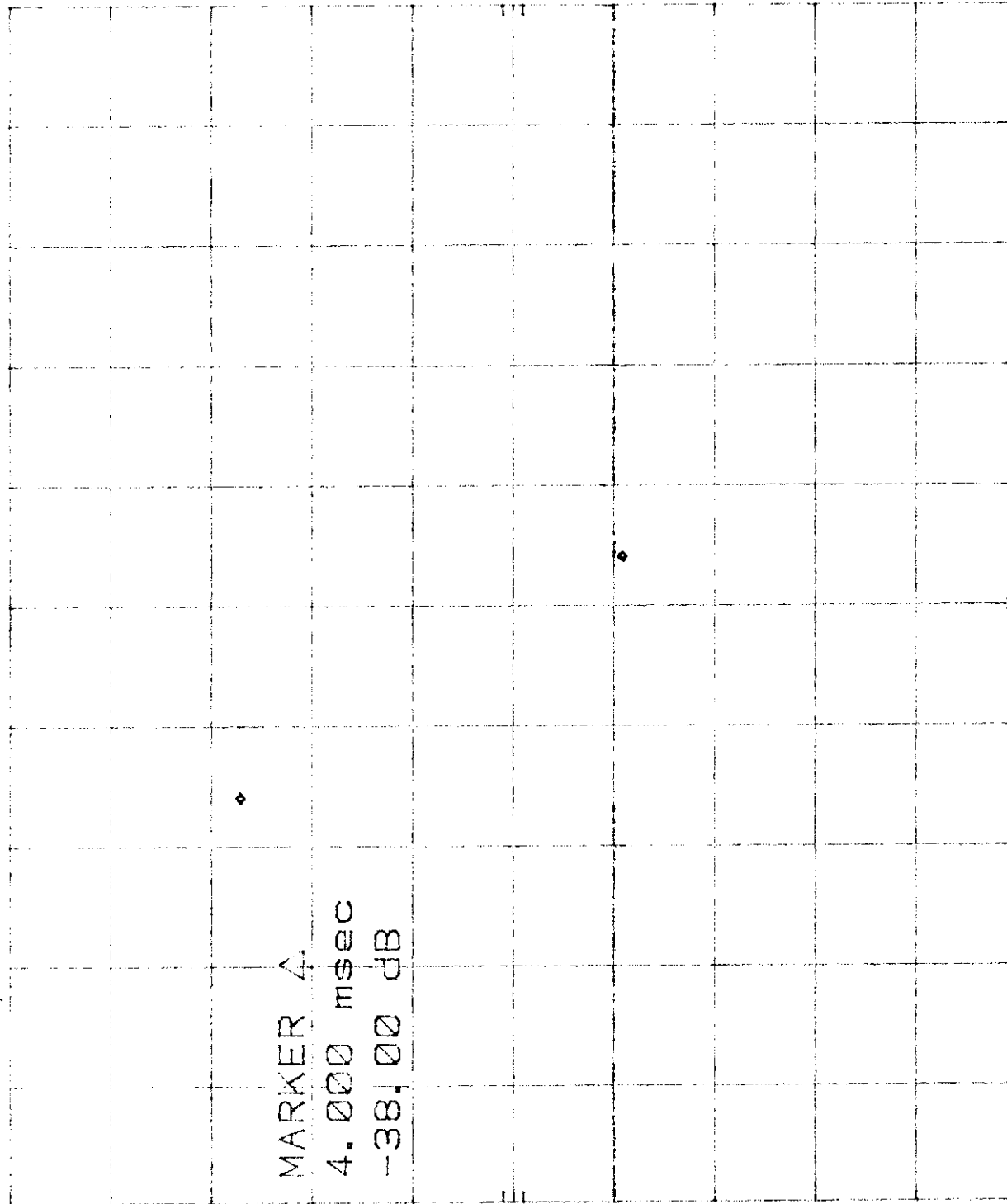
Date: 01/14/95 Tech: Dennis Cortes Sheet 3 of 4



Retlif Testing Laboratories

Report No. R-7376-2

R-7376-2 GEE-972T DUTY CYCLE DC 1/12/97 MKR Δ 4.000 msec
 REF 94.6 dB μ V ATTEN 10 dB -38.00 dB



CENTER 916.590 005 MHz
 RES BW 1 MHz

SPAN 0 Hz
 SWP 20.0 msec
 VBW 3 MHz

Customer:	Golden Eagle Electronics
Test Sample:	900 Mhz Wetness Sensor Transmitter
Model No:	FCC ID: BFGEE972T
Test Method:	Duty Cycle Determination
Notes:	Duty cycle large pulse width= 4ms
Date:	01/14/98
Tech:	Dennis Cortes
Sheet	4 of 4



Retlif Testing Laboratories

Report No. R-7376-2

Exhibit 6

Report of Measurements

TEST EQUIPMENT LIST



Retlif Testing Laboratories

Test Report Number R-7376-2
FCC ID: BFVGEE972T

TEST EQUIPMENT LIST

EN	Model No.	Type	Manufacturer	Frequency Range	Serial No.	Cal. Date	Due Date
065	C638A	High Gain Horn Antenna	MicroLab/FXR	5.85 GHz - 8.2 GHz	70	01/23/97	01/23/98
066	X638A	High Gain Horn Antenna	MicroLab/FXR	8.2 GHz - 12.4 GHz	71	01/23/97	01/23/98
067	RNY	Open Area Test Site	Retlif	3 Meter	001	08/30/97	08/30/99
076	8012-50-R-24BN	LISN	Solar Electronics	10 kHz - 30 MHz	837943	01/16/97	01/16/98
133	BPA-1000	Broadband Pre-Amplifier	Electro-Metrics	10 kHz - 1 GHz, 26dB	174	06/20/97	06/20/98
141	8566B	Spectrum Analyzer	Hewlett Packard	100 Hz - 40 GHz	2637A03491	09/03/97	03/03/98
141A	7470A	Graphics Plotter	Hewlett Packard	N/A	2517A07605	03/04/97	03/04/98
141B	85650A	Quasi-Peak Adaptor	Hewlett Packard	100 Hz - 1 GHz	2521A00862	09/04/97	03/04/98
202	11947A	Transient Limiter	Hewlett Packard	.009 MHz - 200 MHz	2820A00353	08/21/97	08/21/98
206B	FP-50 - 6 dB	6.0 dB Attenuator	Texscan	0 - 1.0 GHz	5785	06/20/97	06/20/98
523	3143	Biconilog	Electro-Mechanics	26 MHz - 1100 MHz	9602-1234	09/30/97	09/30/98
543	8449B	Preamplifier	Hewlett Packard	1.0 GHz - 26.5 GHz	3008A00829	08/12/97	08/12/98
544	8591EM	EMC Analyzer	Hewlett Packard	9.0 kHz - 1.8 GHz	3628A00844	08/11/97	08/11/98
575	7470A	Graphics Plotter	Hewlett Packard		2308A25049	04/30/97	04/30/98



Retlif Testing Laboratories

Test Report Number R-7376-2
FCC ID: BFGEE972T