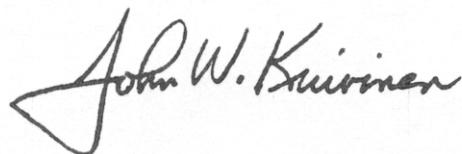


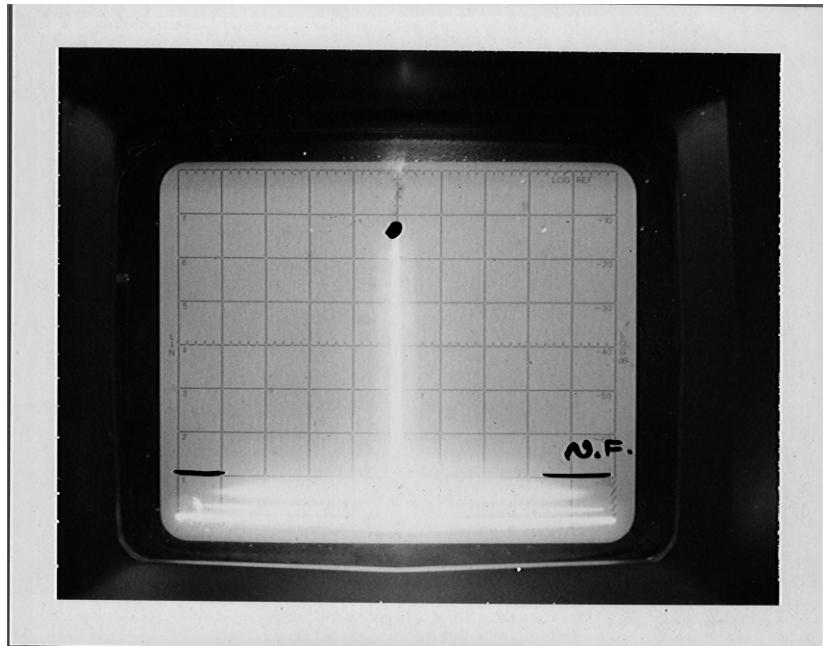
Variable Battery Voltage, Center Freq. And Deviation
JWK Data taken on 12/20/2001

Battery Voltage from P.S.	Freq. Error Hertz	Deviation KHz	NOTES
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4.00	N/A	N/A	TX Off Air, No Spurious from PLL
4.50	-300	2.00	Power Cycled, TX Recovered
5.00	-200	2.00	
5.50	-200	2.00	
6.00	-80	2.00	
6.50	-80	2.00	
7.02	-80	2.00	
7.52	-80	2.00	
8.01	-70	2.00	
8.55	-60	2.00	
9.00	-50	2.00	
9.62	0	2.00	Reference Frequency-467.5613 MHz
10.20	0	2.00	
10.55	0	2.00	
11.04	0	2.00	
5.09	-100	2.00	
9.62	0	2.00	Reference Frequency-467.6863 MHz
11.01	0	2.00	

Figure 8: Transmitter
Center Frequency with
Variable DC Power





DEVICE: RFI00002 Remote Doorbell Transmitter

PHOTOGRAPH: Transmitter Spurious Emissions +/- 0.5 MHz of the center freq.

CONDITIONS: Transmitter Fundamental. FM Narrow Band Modulation, Crystal Controlled PLL Frequency Determining Element.

SPECTRUM ANALYZER CONTROL SETTINGS

CENTER FREQUENCY: 467.68 MHz INPUT ATTENUATION: -17.8 dB

SCAN WIDTH: 0.1 MHz/ DIV. PREAMPLIFIER GAIN: 0 dB

SCAN TIME: 1 Sec./DIV. LOG REF. LEVEL: 6 dBm

RF BANDWIDTH: 1000 Hz

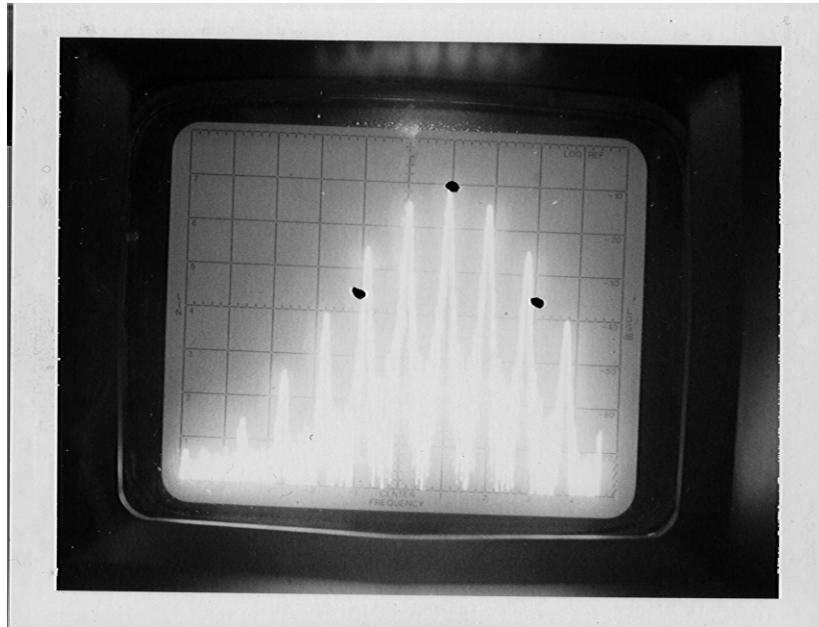
ANTENNA: Direct Connection to Input TUNED TO: 467.68 MHz

ANTENNA DISTANCE: N/A Meters ANTENNA HEIGHT: N/A

SYSTEM NOISE FLOOR: -75 dBm

No fundamental emissions occur outside of the of the rated center freq. The PLL oscillator is locked to the crystal controlled frequency determining element.

Figure 9: Transmitter Spurious Emissions



DEVICE: RFI00002 Remote Doorbell Transmitter

PHOTOGRAPH: Transmitter Bandwidth: -26 dBc down
1800 Hz modulation tone, +16 dB over nominal.

CONDITIONS: Transmitter Fundamental. FM Narrow Band Modulation, Crystal Controlled PLL Frequency Determining Element.

SPECTRUM ANALYZER CONTROL SETTINGS

CENTER FREQUENCY: 467.68 MHz INPUT ATTENUATION: -17.8 dB

SCAN WIDTH: 2 KHz/ DIV. PREAMPLIFIER GAIN: 0 dB

SCAN TIME: 1 Sec./DIV. LOG REF. LEVEL: -6 dBm

RF BANDWIDTH: 100 Hz

ANTENNA: Direct Connection to Input TUNED TO: 467 MHz

ANTENNA DISTANCE: N/A Meters ANTENNA HEIGHT: N/A

SYSTEM NOISE FLOOR: -75 dBm

No fundamental emissions occur outside of the of the rated center freq. The PLL oscillator is locked to the crystal controlled frequency determining element.

Figure 10: Transmitter Bandwidth
-26 dBc down

15.107(a,c) COMPLIANCE MEASUREMENTS

Measurement procedure in accordance with C63.4-1992.

Conducted Measurements: 450 KHz to 30 MHz

Operating Frequency: 467.6875 or 467.5625 MHz

Instrumentation: Spectrum Analyzer: HP8562A
 Powerline Filter: Corcom 10ER3
 10Amp 120/250 VAC 50/60 Hz.
Power Mains Network (LISN):
 Solar 8012-50-R-24-BNC

The RFI00002 transceiver is powered from a primary 9-volt battery and is exempt from this section.

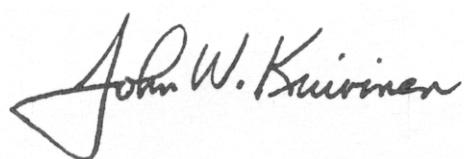
When receiving the transceiver operates on + 9 VDC at an average current drain of less than 50 mA.

When transmitting the transceiver operates on + 9 VDC at an average current drain of less than 90 mA.

A short BNC to BNC cable connected the LISN output port to the spectrum analyzer.

In accord with Section 2.948 of the Commission's Rules, a Test Site submittal is on file with the commission and a Letter of Acceptance dated March 23, 2001 (File 90767) is a portion of the Commission's records.

The tests were performed at Linear Corporation, 2055 Corte Del Nogal, Carlsbad, CA. 92009.



John W. Kuivinen, P.E.

December 27, 2001

Regulatory Compliance Engineer Date