

## INTRODUCTION

Procedures of ANSI 63.4 (1992) were used.

## COMPLIANCE WITH SECTION 15.249 OF PART 15

15.249(a,b)     The field strength of the radiation emission was measured and found to comply with the limits established by 15.249(a) and 15.209. (See data of Table 1.)

15.249(c)       Emissions radiated outside of the specified frequency bands, except for harmonics, were attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in 15.209, (whichever is the lesser attenuation). See Figure 1.

Operating channels are limited to the 920.8 - 921.8 MHz band in order to provide 1 MHz band-edge compliance with any close-in spectra less than 50 dB below carrier.

15.207(a)       No AC power line conducted measurements are required; the device operates only from batteries.

## DATA

Tables and Figures referenced above follow immediately after this page. Description of measurement procedures and test equipment used in the measurements follow the data pages.

TABLE 1

RADIATED SPURIOUS EMISSIONS  
Measured at 3 meters  
PART 15(B) PARA. 15.249

<u>Frequency of Emission (MHz)</u>	<u>Meter Reading (dBm)</u>	<u>Antenna Factor (dB)</u>	<u>Field<sup>1</sup> Intensity uV/m @ 3m</u>	<u>FCC Limit uV/m @ 3m</u>	<u>dB to Limit</u>
921.330	-44.2	31.1	49716.4	50000	0.05V
1842.645	-91.6	27.5	139.6	500	11V
2764.110	-100.0	30.2	72.4	500	17V
3685.480	-103.6	32.8	64.6	500	18V
4606.850	-102.4	33.2	77.6	500	16V
5528.220	-104.4	35.0	75.9	500	16V
6449.590	-102.0	35.8	109.6	500	13V
7370.960	-100.0	37.3	164.1	500	10H
8292.330	-105.5	38.1	95.5	500	14V
9213.700	-101.5	38.5	158.5	500	10V

Note 1:  $\text{uV/m} = \text{Log}^{\frac{-\text{dB/m}}{20}}$

$$\text{dBu} = \text{dBm} + \text{antenna factor} + 107$$

\*Measured at 1 meter, extrapolated to 3 meters.

RBW 100 kHz to 1 GHz; 1 MHz > 1 GHz. Reduced if CW signal.

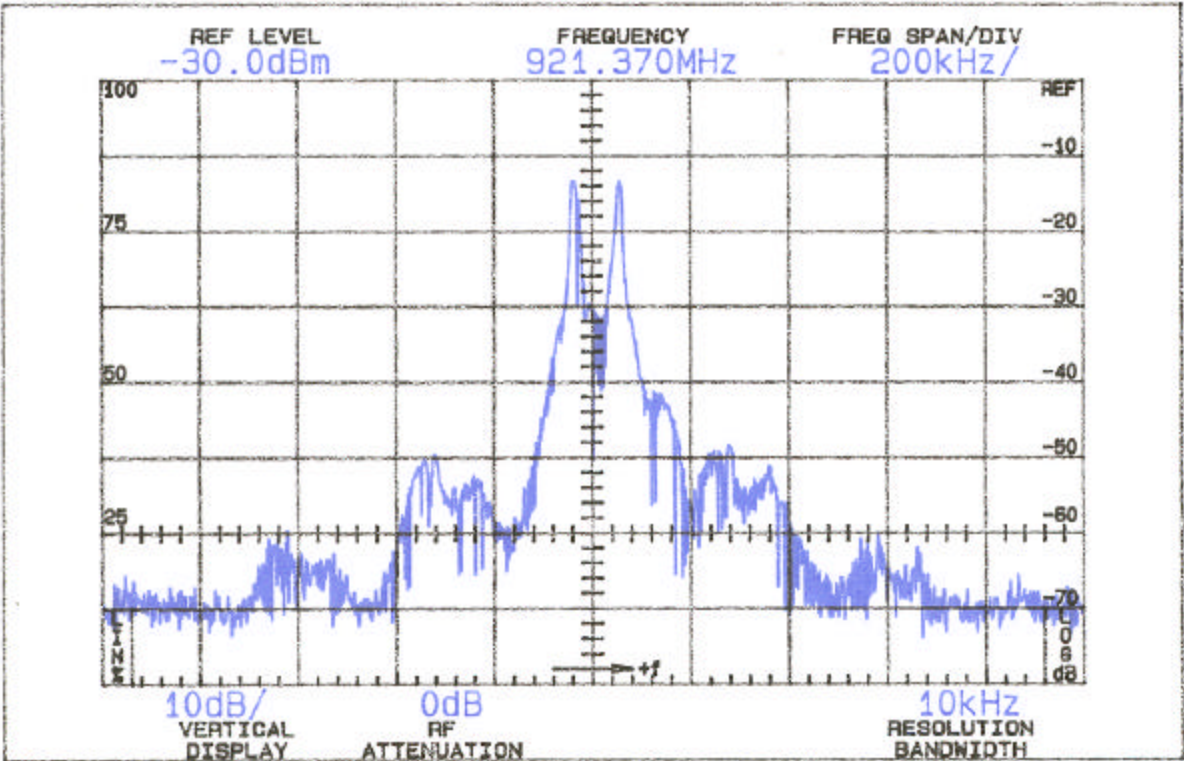
H,V: Worst-case test antenna polarization.

RADIATED SPURIOUS  
EMISSIONS  
FCC ID: HOJTXT900

TABLE 1

2

FIGURE 1



OCCUPIED BANDWIDTH  
FCC ID: HOJTXT900

FIGURE 1

3

PROCEDURES, \_RADIATED\_SPURIOUS\_EMISSIONS

The field strength of the radiated emissions from the test sample was measured following ANSI 63.4 (1992) at a distance of 3 meters to the third harmonic at which time the horn antennas were moved to 1 meter. The spectrum was scanned from 30 MHz to the tenth harmonic using a Tektronix 494P spectrum analyzer.

Measurement procedure included recording the worst-case field strength for receiving test antenna polarization, test antenna height variation from 1 meter to 4 meters and test sample rotation, and test sample antenna in both vertical and horizontal plane.

The test sample was placed on a rotatable 80 cm high wooden stand. The receiving antenna, placed 3 meters from the test sample, was a Compliance Design dipole, or Polarad CA-L, CA-S, or EMCO 3115 Horns. RBW used on the TEK 494P was 100 kHz to 1 GHz; 1 MHz > 1 GHz. Measurements above the 2nd harmonic were made at 1 meter extrapolated to 3 m; peak responding detector, VBW = > than RBW.

The device was operated from a battery supply enclosed in the EUT.

The spectrum was checked from 30 MHz to the tenth harmonic. All emissions not reported were less than 50 uV/m @ 3m or in system noise. Tabulation of the measurements are shown in Table 1.

