EXHIBIT D(8)

95.635(c)(1)(ii) Unwanted Radiation

Measurements were made to detect radiated spurious emissions under normal conditions of installation and operation. The details of the test site are included in Exhibit D(2). The attached test data shows the relative radiated power of each spurious emission with reference to the rated power output of the transmitter, assuming all emissions are radiated from halfwave dipole antennas.

TEST PROCEDURE

All tests were performed in accordance with FCC/MP-4, & ANSI C63.4.

The EUT was arranged in a typical configuration of use and placed on top of a one metre non-conducting turntable. Several different equipment placements were tried so as to establish the worst normal case of equipment positioning. All transmitter spurious and harmonic emissions were recorded. The turntable was rotated through 360 degrees.

The attached results represent the system configuration maximized for worst case emissions in each frequency band.

The tests were conducted at a distance of three (3) metres with the receiving antennae in both the horizontal and vertical planes at each emission frequency.

UNWANTED RADIATION [FCC 95.635(c)(1)(ii)]

MODEL: 3-5800

SERIAL: FCC # 1 TWO WAY RADIO

**** RADIO WAS **VERTICAL** IN CARPET CLAMP FOR CFFS TESTS.
ERP = 0.45W

TEST #	FREQ. M Hz	LEVEL μV	ANT. TYPE (PZ)	ANT. FACT.	F.S. μV/M	LIMIT μV/M	DIFF. TO LIMIT; dB
CFFS	462.59	82200.0	RT.4 V	19.0	1561800	1568439	-0.04
			TX	HARMONICS			
01 TX	924.98	84.1	RT.4 V	115.0	9671.5	16480	-4.63
02 TX	1387.80	6710.25	L/P V	2.4	16104.6	16480	-0.20
03 TX	1850.40	1375.0	L/P V	3.7	5087.5	16480	-10.21
04 TX	3238.12	2000.0	L/P H	8.1	16200.0	16480	-0.15

TEST #	FREQ. M Hz	LEVEL μV	ANT. TYPE (PZ)	ANT. FACT.	F.S. μV/M	LIMIT μV/M	DIFF. TO LIMIT; dB
			RX	L. O.			
01 RX	441.05	13.7	L/P V	9.0	123.3	200	-4.20
02 RX	882.36	06.1	L/P H	32.2	196.4	200	-0.16
03 RX	1323.54	440.0	L/P V	1.0	440.0	500	-1.11

Limit for Spurious and Harmonic Emissions [95.635(c)(1)(ii)]

1. Carrier is 1,561,800 μV/M.

2. Attenuation for spurious and harmonics is 43 + 10 log carrier.
   = 43 + 10 log 0.45 = 43 + (-3.467) = 39.533 dBC

3. Spurious and harmonic limit is 123.87 dBμV (1561800μV/M)
   39.533 = 84.337dBμV = <u>16,480μV/M</u>