Test Results: Pass

Test Standard: FCC 15.247(b)(1, 4-5)

Test: Transmitter Output Power and EIRP, and Human RF Exposure

Performance Criterion: The output power must not exceed 1 Watt (30 dBm) and 36 dBm EIRP. The human RF Exposure limit is 1 mW/cm^2.

Software:

Name	Manufacturer	Version
EXCEL 2000	Microsoft Corporation	9.0.6926 SP-3
EMI BOXBOROUGH	Intertek	6/01/05 Revisions

Test Date: 10/17/2005 **Engineer Initials:** NN **Date:** 10/27/05
Test Engineer: Nicholas Abbondante **Reviewer Initials:** NAA **Date:** 10-27-05

Test Equipment Used:

Intertek ID	Manufacturer	Model	Serial Number	Cal. Due
BAR2	Mannix	0ABA116	BAR2	08/02/2006
HORN3	EMCO	3115	9610-4980	09/13/2006
PRE8	Miteq	NSP4000-NF	507145	11/16/2005
CBL030	Megaphase	TM40 K1K1 80	CBL030	12/01/2005
ROS001	Rohde & Schwarz	FSEK-30	100225	07/26/2006
CBL028	Megaphase	TM40 K1K1 197	CBL028	12/01/2005

Test Details:

Channel	Frequency	EIRP	EIRP Limit
0	2402 MHz	3.7 dBm	36.0 dBm
39	2441 MHz	4.7 dBm	36.0 dBm
78	2480 MHz	6.5 dBm	36.0 dBm

The EUT was measured radiatively. The output power was calculated using the formula given in DA 00-0705. The human RF exposure limit is 1 mW/cm^2. The power density S generated by some value of EIRP at a given distance d is related by the equation:

$$S=EIRP / (4\pi d^2)$$

The distance, given a maximum EIRP of 6.5 dBm (4.47 mW) at which the radiated power density of the EUT is equal to the human RF exposure limit is 0.60 cm from the antenna.