

5/N01-
CE TV-0

53

Antenna: CyberOptics
PCB #505-0206-13.
Gain = 1.3 dBi



NORTHWEST

PSA 2007.05.07
EMI 2006.11.29

EMC

Effective Radiated Power (EIRP)

EUT: ATS

Work Order: CYBR0075

Serial Number:

Date: 01/04/08

Customer: CyberOptics Semiconductor, Inc.

Temperature: 24

Attendees: Greg Huntzinger

Humidity: 24%

Project:

Barometric Pres.: 29.98

Tested by: Rod Peloquin

Power: Battery

Job Site: EV01

TEST PARAMETERS

Antenna Height(s) (m)

1 - 4

Test Distance (m)

3

COMMENTS

Antenna gain = EIRP - Conducted output Power (from original grant FCC ID: SPD003) = 12.4 dBm - 11.1 dBm = 1.3 dBi

EUT OPERATING MODES

Transmitting Bluetooth, GFSK modulation, power level 42, mid channel

DEVIATIONS FROM TEST STANDARD

No deviations.

Run #

5

Configuration #

1

Results

Evaluation

Signature

Freq (MHz)			Azimuth (degrees)	Height (meters)			Polarity	Detector	EIRP (Watts)	EIRP (dBm)	Spec. Limit (dBm)	Compared to Spec. (dB)	Comments
2441.042			39.0	1.2			H-Horn	PK	1.73E-02	12.4	33.0	-20.6	EUT on side, antenna vertical
2441.092			5.0	2.0			V-Horn	PK	9.71E-03	9.9	33.0	-23.1	EUT on side, antenna horizontal
2441.008			53.0	1.2			H-Horn	PK	2.67E-03	4.3	33.0	-28.7	EUT horizontal
2441.033			142.0	2.3			V-Horn	PK	2.44E-03	3.9	33.0	-29.1	EUT horizontal
2441.125			228.0	1.9			H-Horn	PK	1.98E-03	3.0	33.0	-30.0	EUT on side, antenna horizontal
2441.158			31.0	1.8			V-Horn	PK	1.81E-03	2.6	33.0	-30.4	EUT on side, antenna vertical