



(8) Antenna Info A-00005

- (a) Per FCC 15.203, the antenna is internal and permanently attached. It is not intended to be serviced by the customer and is, therefore only serviceable by Logitech, Inc. authorized personnel.
- (b) The device is an FCC 15.247 device. The main antenna has an EIRP = +4.80 dBm
- (c) The antenna is printed on the circuit board. See Exhibit 5 for pictures of the printed antenna.

Manufacturer: Logitech, Inc.

Part Number: 212713-0000 (printed circuit board)

Gain (dBi): 2.7 dBi

Description: Printed Inverted-F Antenna (PIFA)

EUT:	Windu Inverted F Antenna	Work Order:	LABT0277
Serial Number:	Unknown	Date:	09/25/07
Customer:	Logitech, Inc.	Temperature:	21
Attendees:	None	Humidity:	34%
Project:		Barometric Pres.:	1018.5
Tested by:	Rod Peloquin	Power:	Battery
		Job Site:	EV01

TEST PARAMETERS

Antenna Height(s) (m)	1 - 4	Test Distance (m)	3
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COMMENTS

3 MHz RBW / 3 MHz VBW

EUT OPERATING MODES

Bluetooth Transmit mode, Low Channel, 8DPSK, 3DH5

DEVIATIONS FROM TEST STANDARD

No deviations.

Run #	4	
Configuration #	2	
Results	Evaluation	

Effective Isotropic Radiated Power

Freq (MHz)	Azimuth (degrees)	Height (meters)	Polarity	Detector	EIRP (Watts)	EIRP (dBm)
2401.880	129.0	1.5	H-Horn	PK	3.05E-03	4.84

Maximum Conducted Output Power

Freq (MHz)	Power (mW)	Detector	Power (Watts)	Power (dBm)
2401.880	1.6	PK	1.64E-03	2.15

Antenna Gain

$$\text{Antenna Gain} = \text{EIRP (dBm)} - \text{Conducted Output Power (dBm)}$$

EIRP (dBm) = 4.8 dBm

Conducted Output Power (dBm) = 2.1 dBm

Antenna Gain = 2.7 dBi