



(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)

NORTHWEST EMC		Antenna Gain								PSA 2007.05.07 EMI 2006.11.29	
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					
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											