

# 1 GENERAL INFORMATION

## 1.1 Product description

The OpticalBar and MediaPad are an optical detection system connected to a Personal Computer.

Typical applications are:

- Computer control
- To make screen Touch-sensitive
- User interface
- Shortcuts or quick launch
- Others...

The OpticalBar light up a detection surface (screen of the PC or all other surface) with infrared LED. When users touch the surface with one's finger, a reflection cone appeared. It's detected by the infrared receptor which localize finger on surface.

The OpticalBar USB is connected to the USB Type A slot for communication with the Personal Computer, and is also powered, by USB port. The OpticalBar is mounted on the screen edge.

The MediaPad USB is connected to the USB Type A slot for communication with the Personal Computer, and is powered, by USB port. The MediaPad is a table top product.

For more information, see user's manual file (maual\_en.pdf).

## 1.2 Related Submittal(s) / Grant(s)

All host equipment used in the test configuration are FCC granted, when relevant.

## 1.3 Tested System Details

The FCC IDs for all equipment, plus description of all cables used in the tested system (including inserted cards, which have grants) are :

Trade Mark – Model Number (Serial number)	FCC ID	Description	Cable description
<b>OpticalBar*</b>	<b>RLHOB03</b>	<b>Optical detection</b>	<b>USB cables shielded</b>
<b>MediaPad*</b>	<b>RLHOB03</b>	<b>Optical detection</b>	<b>USB cables shielded</b>
HEWLETT PACKARD pn: D7963A (sn:FR94020451)	Doc. Of Conf.	Personnel computer	All data cables are shielded. Power cable unshielded
HEWLETT PACKARD pn: D2846 (sn: JP74001000)	Doc. Of Conf.	21" color monitor	Shielded video cable with ferrite at each end
HEWLETT PACKARD pn: C3751B (sn: LZA62831289)	DZL211029	Mouse	Shielded cable
HEWLETT PACKARD pn: C4734-60111 (sn: M971168931)	GYUR38SK	Keyboard	Shielded cable
HEWLETT PACKARD 895CXI pn: C6410A (sn: MY9761915S)	Doc. Of Conf.	Parallel printer	HP C2950A shielded parallel cable
HEWLETT PACKARD pn:48GX (sn: ID83802369)	none	Graphic calculator	shielded serial cable with ferrite
TELEX (sn: 700.373.000A)	None	Microphone	Shielded cable
LABTEC LT100 pn: D8387A (sn: none)	None	Headset	Shielded cable

\* : Equipment under test

## 1.4 Test Methodology

Both conducted and radiated testing were performed according to the procedures in ANSI C63.4-1992, CISPR22-1997+/A1:2000+/A2:2002 and EN55022:1998+/A1:2000+/A2:2003.

Radiated testing was performed at an antenna to EUT distance of 10 meters. During testing, all equipment's and cables were moved relative to each other in order to identify the worst case set-up.

## 1.5 Test facility

Tests have been performed on October 28<sup>th</sup>, 2003.

The test facility used to collect all the radiated and conducted data is the SMEE **Actions Mesures** facility, located ZI des Blanchisseries, 38500 VOIRON, France.

This test facility has been fully described in a report and accepted by FCC as compliant with the radiated and AC line conducted test site criteria in ANSI C63.4-(1992+2000) in a letter dated July 19, 2002 (registration number 94821).

This test facility has also been accredited by COFRAC (French accreditation authority for European Union test lab accreditation organization) according to NF EN ISO/IEC 17025, accreditation number I-0844 as compliant with test site criteria and competence in 47 CFR Part 15/ANSI C63.4 and EN55022/CISPR22 standards for 89/336/EEC European EMC Directive application. All pertinent data for this test facility remains unchanged.