

Test Location: CKC Laboratories, Inc. • 5473A Clouds Rest • Mariposa, CA 95338 • 800-500-4362

Customer: **HID**
Specification: **FCC 15.209**
Work Order #: **77304**
Test Type: **Maximized Emissions**
Equipment: **Proximity Card Reader**
Manufacturer: **HID**
Model: **5455/8B (5455-310)**
S/N: **2901-2**

Date: 07/19/2001
Time: 10:54:53
Sequence#: 2
Tested By: Randal Clark

Test Equipment:

Function	S/N	Calibration Date	Cal Due Date	Asset #
Spectrum Analyzer RF	2209A01404	11/03/2000	11/03/2001	490
Section				
Spectrum Analyzer	2403A08241	11/03/2000	11/03/2001	489
Display				
QP Adapter	2811A01267	11/03/2000	11/03/2001	478
Preamplifier	1937A02604	03/29/2001	03/29/2002	0
Log Periodic	154	05/07/2001	05/07/2002	0
Biconical Antenna	156	12/18/2000	12/18/2001	0

Equipment Under Test (* = EUT):

Function	Manufacturer	Model #	S/N
Proximity Card Reader*	HID	5455/8B (5455-310)	2901-2

Support Devices:

Function	Manufacturer	Model #	S/N
Power Supply	Topward Electric Instruments	TPS-2000	920035

Test Conditions / Notes:

EUT is a proximity card reader operating on a frequency of 125kHz. EUT is powered by 12VDC through a DC power supply. EUT is operating in normal mode with no card in the field. Frequency Range Tested: 125kHz.

Measurement Data:		Reading listed by order taken.					Test Distance: 10 Meters				
		Loop	Cable	15.31							
#	Freq MHz	Rdng dBμV	dB	dB	dB	dB	Dist Table	Corr dBμV/m	Spec dBμV/m	Margin dB	Polar Ant
1	126.073k	63.9	+10.1	+0.1	-60.0		+0.0	14.1	25.6	-11.5	Vert
2	126.051k	45.5	+10.1	+0.1	-60.0		+0.0	-4.3	25.6	-29.9	Horiz