

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 Section	2209A01404	11/03/2000	11/03/2001	490
Spectrum Analyzer Display	2403A08241	11/03/2000	11/03/2001	489
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.

<b>Measurement Data:</b>		Reading listed by order taken.					Test Distance: 10 Meters				
#	Freq MHz	Rdng dBµV	Loop dB	Cable dB	15.31 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