

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

Customer: **HID**  
 Specificatio **FCC 15.209**

n:  
 Work Order **77304** Date: 07/19/2001  
 #: Time: 15:53:51  
 Test Type: **Maximized Emissions** Sequence#: 6  
 Equipment: **Proximity Card Reader** Tested By: Randal Clark  
 Manufacturer **HID**  
 :  
 Model: 5455/8B (5455-310)  
 S/N: 2901-2

**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 Biconical Antenna	154	05/07/2001	05/07/2002	0
	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: 30MHz - 1000MHz

**Measurement Data:** Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	Amp dB	Bicon dB	Log 1 dB	Cable dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	151.559M	40.8	26.8	+12.7	+0.0	+2.3	+10.0	39.0	43.5	4.5	Vert
^	151.550M	43.0	26.8	+12.7	+0.0	+2.3	+10.0	41.2	43.5	2.3	Vert
^	151.600M	42.9	26.8	+12.7	+0.0	+2.3	+10.0	41.1	43.5	2.4	Vert



