

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: 11:07:34  
 Test Type: **Maximized Emissions** Sequence#: 3  
 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 Antenna	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: 100kHz - 30MHz

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

#	Freq MHz	Rdng dBµV	Loop Cable 15.31			Dist Table dB	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
			dB	dB	dB					
1	756.360k	29.2	+10.1	+0.2	20.0	+0.0	19.5	30.0	-	Vert
2	630.290k	29.2	+10.2	+0.1	20.0	+0.0	19.5	31.6	-	Vert
3	1.009M	24.9	+10.2	+0.2	20.0	+0.0	15.3	27.5	-	Vert

