

MDC FCC Part 90 Submission Information

MDC CPU v4.4, RFGPS BRD v3.1a, KPAD v3.1b

IDENTIFICATION OF EQUIPMENT UNDER TEST	
Brand Name	Mentor
Type Name	MDC iDEN
Marketing Name	MDC
Frequency Bands	See Modem Manufacturer section.
FCC ID	RZ3MDC0R01
IC ID	2234A-MDC0R01
Special Features/Comments	Wireless GPS unit and AVL device.
Normal Voltage	12 VDC
Min Voltage	9 VDC
Max Voltage	18 VDC
Max Current	2A
Avg Current During Modem Tx	550mA approx
Avg Current During Standby	12mA approx
Internal microprocessor	Motorola MCM16Y1BACFT16B1

IDENTIFICATION OF THE CLIENT	
Company	Mentor Engineering Inc
Address	Suite 230
	2891 Sunridge Way NE
	Calgary, AB
	Canada
	T1Y 7K7
Contact person	Jonade Khan
Telephone	(403) 777-3760
Fax	(403) 777-3769

IDENTIFICATION OF THE MODEM MANUFACTURER	
Company	Motorola
Address	8000 W. Sunrise Blvd
	Plantation, FL
	USA
	33322
Type Name	iDEN iO1500R
Model Number	F2572A
FCC ID	AZ492FT5826
Industry Canada ID	109U-92FT5826
Type of Emission	18K3D7D
Freq Range	Tx 806-825MHz*
	Rx 851-870 MHz
Equipment Class Code	TNB
At Maximum Power:	
Output RF power	0.7W (Pulse average)
DC Voltage	4.1V (Pulse average)
DC Current	850mA (Pulse average)
RF PA Input Power	0.19 mW (Pulse average)
At Minimum Power:	
Output RF power	0.7mW (Pulse average)
DC Voltage	4.0V (Pulse average)
DC Current	500mA (Pulse average)
RF PA Input Power	0.2 uW (Pulse average)

* The transmitter uses the 806-821MHz band in the United States but can operate from 806-825MHz when used with an authorized companion base station, as is done in certain other countries. More details can be found in the Motorola FCC submission for their module.