

1.0 EUT Description

The Minorplanet Systems PLC, Model AEMB100 Transmitter is a part of a radio base station transceiver used to collect data from fleet vehicles. It is powered by a 12 VDC wall transformer. It is controlled by a RS-232 interface. The antenna is detachable via a standard connection.

The EUT operates in the band of 902 MHz to 928 MHz band at a single frequency of 902.75 MHz and has been certified for compliance with 47 CFR 15.249 of the FCC rules. Specific test requirements for the devices include the following:

47 CFR 15.249	Fundamental and Harmonic Radiated Power
47 CFR 15.209	General Radiated Emission Limits
47 CFR 15.203	Antenna Requirements
47 CFR 15.205	Restricted Bands of Operation

The device was tested for Class II Permissive Change as the original antenna for this device has been substituted. The antenna for this device was changed to enhance performance, aesthetics and mounting convenience. Test results enumerated in this report have been performed with the new antenna from Webb Industries. No electronic circuitry or the related hook up were changed as a result of the new antenna.

The system tested consisted of the following:

Manufacturer & Model	Serial #	FCC ID #	Description
Minorplanet Systems PLC, Model AEMB100 Transmitter	250-04063-001	QDAEAMB100	RF Pulsed Modulated Transmitter used for data logging system

System Peripherals

Dell MCM	CHWTU	None	PC
NEC JC-1736VMA	785561ED	None	Monitor VGA
Microsoft E06401COMB	X05-02473	None	PS2 Keyboard
Logitech M-S34	LZA83004371	DZL211029	PS2 Mouse

Cables and Cords:

Quantity	Length		Shielded	Unshielded	Type	Cable	Cord
Each	Feet	Meters					
1		1	X		Coaxial	X	
1		2		X	AC Power	X	
1		1.5		X	DC Power	X	
1	1		X		DB9 Serial	X	
2		2		X	Monitor and PC – AC Power	X	