

1.0 EUT Description

The MinorPlanet Systems, PLC, Model AEM3000DCU Transmitter is a part of transceiver used as a mobile GPS receiver designed for vehicles. When the vehicle is turned off, the device communicates with the base station. The device is powered by a 12Volts automatic battery. The Antenna is detachable using 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 was changed for the ADAAEM3000DCU as a result of poor availability of the original antenna produced by Webb Industries. The antenna from Allgon was more readily available. Test results enumerated in this report have been performed with the Allgon antenna. No electronic circuitry or the related hook up were changed as a result of the new antenna.

The system tested consisted of the following:

<u>Manufacturer & Model</u>	<u>Serial #</u>	<u>FCC ID #</u>	<u>Description</u>
MinorPlanet Systems, PLC, Model AEM3000DCU Transmitter	80392	QDAAEM3000DCU	RF Pulsed Modulated Transmitter
<u>Remote Peripherals</u>			
Duralast 29MDC-1	2C28BSOH	None	12Volts Battery
<u>System Peripherals</u>			
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:

<u>Quantity</u>	<u>Length</u>		<u>Shielded</u>	<u>Unshielded</u>	<u>Type</u>	<u>Cable</u>	<u>Cord</u>
<u>Each</u>	<u>Feet</u>	<u>Meters</u>					
2		2		X	Monitor and PC	X	
					AC Power		
1		2		X	DC Input Wires		
3		2	X		Coaxial	X	