1.1. Test Result of RF Exposure Evaluation

. Product: Vehicle GPS Tracking Terminal
Test Item: RF Exposure Evaluation Data

. Test site: OATSI-SD

. Test Mode: Normal Operation

1.1.1. Antenna Gain

External antenna, 2 dBi.

1.1.2. EUT Operation condition

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.

1.1.3. Output Power into Antenna & RF Exposure Evaluation Distance

Test Date: Mar. 04, 2011 Temperature: 20℃

Atmospheric pressure: 1020 hPa Humidity: 65%

Modulation Standard	Channel	Frequency (MHz)	Output Power to Antenna (dBm)	Power Density (S) (mW/ cm2)
GSM 850	128	824.2	31.61	0.4570
	190	836.6	31.62	0.4580
	251	849.8	31.67	0.4633
GPRS 850	128	824.2	30.91	0.3890
	190	836.6	30.96	0.3935
	251	849.8	30.98	0.3953
PCS 1900	512	1850.2	28.62	0.2295
	661	1880.0	28.81	0.2398
	810	1909.8	29.08	0.2552
GPRS 1900	512	1850.2	28.71	0.2343
	661	1880.0	28.37	0.2167
	810	1909.8	28.16	0.2065

As specified in Table 1B of 47 CFR 1.1310- Limits for Maximum Permissible Exposure(MPE), Limits for General Population/ Uncontrolled Exposure

Frequency range (MHz)	Power density (mW/ cm^2)
300-1,500	F/1500
1,500-100,000	1.0

For GSM 850 MHz Band (824.2~848.8 MHz)
MPE limit S: 0.5495 mW/cm^2(frequency 824.2 MHz).
The MPE is calculated as 0.4633mW / cm^2 < limit 0.5495 mW / cm^2. So, RF exposure limit warning or SAR test are not required.

For PCS 1900 MHz Band (1950.2~1909.8 MHz)
MPE limit S: 1 mW/cm^2
The MPE is calculated as 0.2552mW / cm^2 < limit 1 mW / cm^2. So, RF exposure limit warning or SAR test are not required.

The EUT will only be used with a separation of 20cm or greater between the antenna and nearby persons and can therefore be considered a mobile transmitter per 47CFR2.1091 (b).

The RF Exposure Information page from the manual is included here for reference.