

TCB RF Exposure Review Procedure Statement
 FCC ID: **KEALPB4520225**

Transmitter Category	Device Type	Product Category	Approval and Review Procedures Used	Specific Procedures:
III	UHF Radio Data only modem Transceiver	Mobile Transmitter identifier in section 2.1091	Section D	SP(1), SP(3), SP(5), SP(7), SP(8) and SP(9)
<p>Grant Condition: Power Output listed is ERP. The max. antenna gain can be used with this device is 2.4dBi. The antenna installation and operating configurations of this transmitter, including any applicable source-based time-averaging duty factor, antenna gain and cable loss must satisfy MPE categorical Exclusion Requirements of §2.1091. This device must transmit with a source-based time-averaging duty factor not exceeding 60%. The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. Users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance..</p>				
SP1	Conducted output power measured as indicated in Page 13 is 33.3dBm. The ERP measured as indicated in spread sheet is 32dBm. As indicated in the confirmation letter from the applicant, the max. antenna gain to be used is 2.4dBi. This device is operating at 60% duty cycle. By using 2.4dBi antenna gain, with 60% duty cycle, the max. ERP is 1.404W.			
SP3	Cover letter signed by the applicant. The separation distance indicated in Page 22 of the user manual will be 30cm for 2W radio and 20cm for ½ W radio. Warning statement indicated RF exposure requirement are indicated in the user manual.			
SP5	Operating Frequency band: 450 – 470 MHz.			
SP7	User Manual has provided detail antenna installation procedures.			
SP8	User Manual has provided detail antenna installation procedures.			
SP9	TCB has reviewed the Grant conditions with antenna gain and duty cycle information listed on the Grant. The Grantee has been informed and confirmed the Grant condition.			

Reviewed by Mike Kuo

Compliance Certification Services

August 31,2001