

TI Asahi Co., Ltd.

Description of RF modules operation

The applicant name: TI Asahi Co., Ltd.

Applicant company address: 4-3-4, Ueno, Iwatsuki-ku, Saitama-shi, Saitama, 339-0073 JAPAN

Product Name: GNSS, Model No.; SMT888-3G and G3100-R1

The product have three RF transmitter modules for Bluetooth, GSM and UHF Radio modem for Licensed Non-Broadcast Station. The module for Bluetooth seeks the connectable device or keep the connection with at any time. The other two modules for GSM and UHF Radio modem will operate exclusively because these modules are used for the same purpose.

The GSM module receives the reference data from RTK (Real - Time Kinematic) network on the Rover mode of the product. The UHF Radio modem transmits RTK corrections on the Base mode of the product and receives it on the Rover mode. Also the UHF Radio modem only receives the radio on the Rover mode. The operation mode (Base or Rover) of this product is selected by the software exclusively. In Rover mode, GSM or UHF modem is selected by the software exclusively. Therefor the modules for GSM and UHF Radio modem do not operate at the same time.

Signature: 

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