

0738-EX-CN-2017

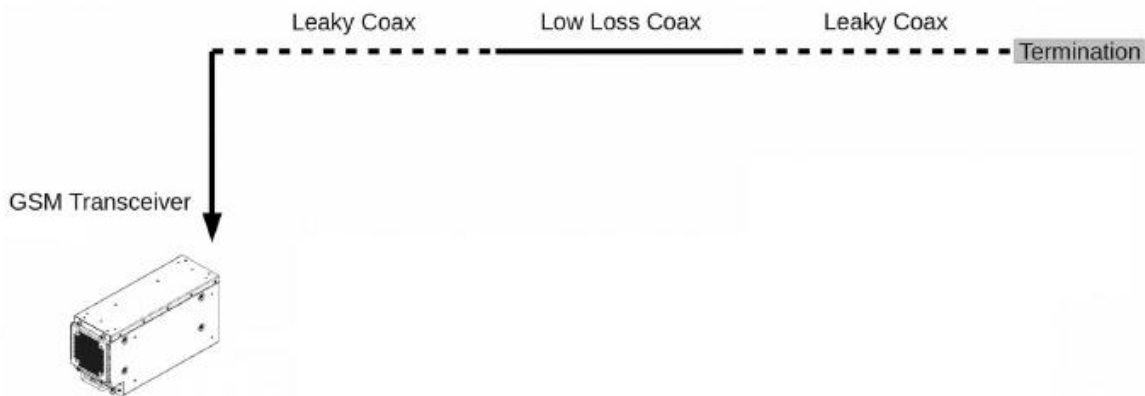
EL658075

Experimental Description: This FCC license application is to obtain permission for Experimental Radio service that allows transmission of the low RF power in the GSM frequency ranges listed. The maximum power and emission outside the aircraft skin using the leaky coax cable installed inside the aircraft are also listed.

460 – 470 MHz	ERP: .02 mW	Emission: 1.25 MHz
791 – 821 MHz	ERP: .50 mW	Emission: 10 MHz
921 – 960 MHz	ERP: .0077 mW	Emission: 200 kHz
1805 – 1880 MHz	ERP: .03 mW	Emission: 3.84 MHz
2110 – 2170 MHz	ERP: .77 mW	Emission: 3.84 MHz
2500 – 2690 MHz	ERP: .94 mW	Emission: 4.75 MHz

The transmitting equipment, coax, and structure used for this experiment includes:

- TrueNorth GSM LRU p/n TN1019-100
- Leaky coax cable
- 50 ohm termination
- Aircraft



The aircraft will be located on the ramp outside L3 Technologies testing facility located on the TSTC Waco Airport.