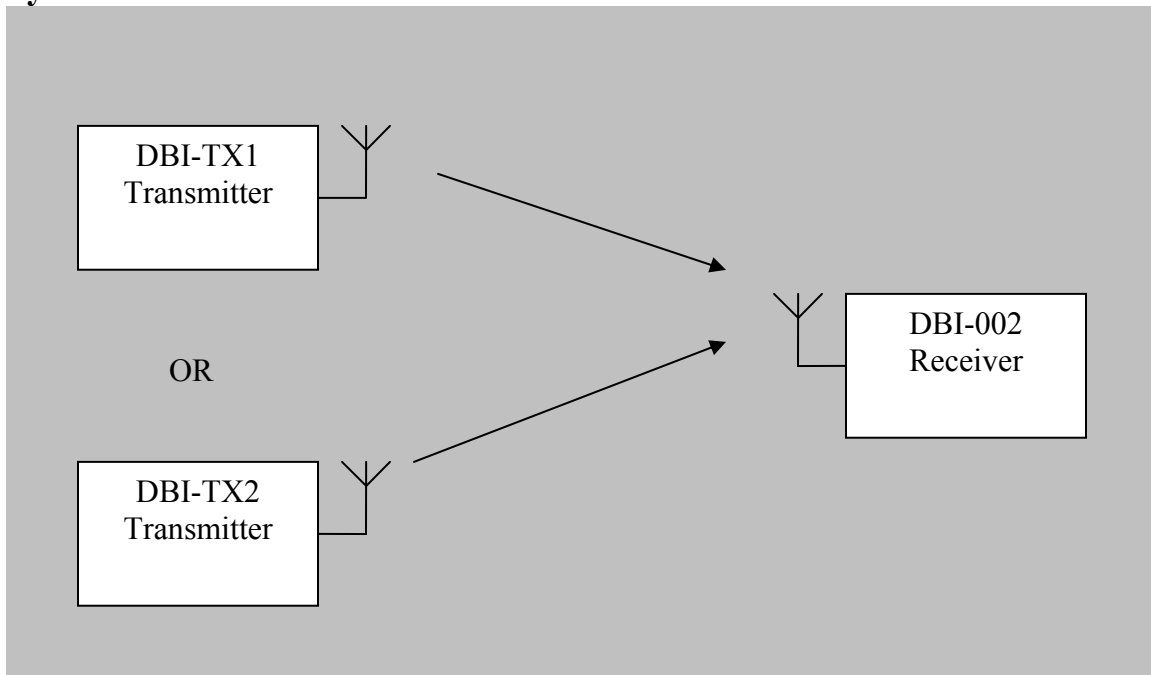


Re: FCC ID TDJGC132926  
Applicant: Digttool Instruments AB  
Correspondence Reference Number: 29367  
731 Confirmation Number: EA924651

## **Operational description**

## System



The system consists of one DBI-002 receiver and one of DBI-TX1 or DBI-TX2 transmitters.

The transmitters DBI-TX1 and DBI-TX2 acquires and transmits temperature data to the DBI-002 receiver.

The DBI-002 receiver indicates received temperature data on a display.

**DBI-TX1 (transmitter)**

The DBI-TX1 acquires air contact probe and enclosure temperature at 2.3 seconds periodic interval. When probe exceeds enclosure temperature by 10° F (transmit limit), a data packet is transmitted at every interval. Transmission length is 37 milliseconds. Data packet transmissions stops 5 minutes after probe temperature is below the transmit limit. Data packet includes preamble, sync, identification data, temperature data, checksum and CRC data.

**During operation, no operator interaction controlling the transmitter is involved.**

To permanently power off the DBI-TX1, the internal socket mounted lithium cell is removed.

**DBI-TX2 (transmitter)**

The DBI-TX2 operates identical to the DBI-TX1 except that the air contact probe is replaced by a radiation temperature acquisition sensor.

**DBI-002 (receiver)**

The DBI-002 receiver is part of a self contained flight instrument. The RF receiver part detects DBI-TX1 or DBI-TX2 RF carrier and acquires transmission packages. When identification, checksum and CRC are correct, temperature data is indicated on the DBI-002 display. Otherwise, no reception status is indicated.

**During operation, no operator interaction controlling the receiver is involved.**

The DBI-002 power on / off is manually controlled.