

Technical Description (Public)

- Device:
 - Brand : Rolls-Royce Developed product ' DIGBERT' (an acronym for DIGital Battery Energized Radio Telemetry)
 - Model : Rolls Royce part number DLV17502

Digbert is a Rolls Royce designed and manufactured wireless aircraft engine data acquisition unit. It consists of a telemetry rotor unit a near proximal located flat plate aerial antenna and associated command/control equipment. The specific measurements are sent to the telemetry rotor unit from the Control station via a 20.8 MHz signal. The measurements are then sent out of the telemetry rotor unit with the 405 Mhz data signal for recording and realtime monitoring.

The purpose of the Digbert installation/testing is to measure dynamic and transient strain from fan blades and other rotating engine components as a traditional slip ring measurement isn't feasible in this application.

Signal	Freq	Emission	ERP
Data Signal	405 Mhz	10M0F1D	1 mW
Control Signal	20.8 Mhz	1M00F1D	1.6 W

Stop Buzzer Contact Information

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