5.2 RF Telemetry Evaluation Kits

- Remote Telemetry Evaluation

- AM and FM & IR Technology

- 4 Digital Outputs

- RS232 Output of Transmitter Keyfob

- Range Testing

- Target Environment Testing

- Antenna Evaluation

- Uses RF600E, RF600D (Keeloq)

- Remote Switching

The RFEVAL2 / RFEVAL3 are hardware development platforms designed to assist the engineer design a remote telemetry application.   Each project uses the advanced RF600E and RF600D Keeloq protocol and a variety of radio modules. Our aim with this Evaluation kit is to assist the engineer in designing a remote telemetry application with optimum Range.

The following projects may be studied

1.   AM Remote Control using pocket keyfob, & AM-HiRK-433 with 3 digital outputs

2.   AM Remote Control using pocket keyfob, & AM receiver with decoder IC (digital outputs)

3.   AM Remote Control using pocket keyfob & AM receiver module with decoder IC to RS232 data output

4.   FM Remote Control using FM hand held transmitter & FM receiver with decoder IC (digital outputs)

5.   FM Remote Control using FM hand held transmitter & FM receiver with decoder to RS232 data output

RFEVAL3 consists a Receiver decoder board (SA123) using the RF600D, this requires the relevant RF Receiver module and antenna to generate a complete receiver Decoder (this is an RF600D design)
Contents List:

Item	Part No	Description	Qty
1	SA123	Telemetry Receiver Decoder Board	1
2	BATT-PP3	PP3 Battery	1

RFEVAL2 : RFEVAL3 and all components required to complete all projects are supplied.
Contents List:

Item	Part No	Description	Qty
1	AM-110C3-433	pocket keyfob transmitter433MHz, 3 Switch	1
2	102C4-433F	FM Transmitter/Encoder 433MHz, Hand Held, 4 Switch	1
3	SA123	Telemetry Receiver Decoder Board (complete)	1
4	AM-HRR3-433	Receiver 'Hybrid' Module AM 433MHz, SIL	1
5	AM-RRS3-433	Receiver 'Hybrid' Module Super Het, AM 433MHz, SIL	1
6	AM-HiRK-433	Rx/Decoder AM Superhet 433MHz SIL Hybrid	1
7	FM-RRFQ1-433	FM Receiver 433MHz	1
8	FLEXI-M4-433	¼ Wave Antenna	1
9	PHC-M4-433	Helical Antenna	1
10	BATT-PP3	PP3 Battery	1

Part No	Description	Datasheet
RFEVAL3R1	Telemetry Evaluation Board	DS123
RFEVAL2-315R1	Telemetry Evaluation Kit 315MHz	
RFEVAL2-433R1	Telemetry Evaluation Kit 433MHz	