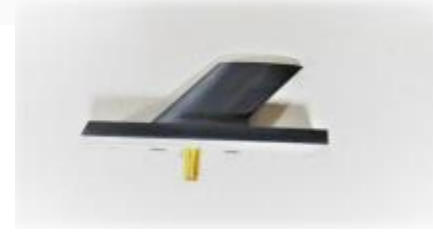


# TKR-BAN-FSM-500

## S-BAND BLADE ANTENNA



### APPLICATIONS

- Tactical Missiles
- UAVs
- Aircrafts
- Data links, Telemetry

### FEATURES

- High gain
- Mechanical design for low air drag
- 50 ohm antenna interface (SMA)
- Environmental standard MIL-STD-810F compatible
- Environmental laboratory tests and electrical tests conducted by TUBITAK SAGE

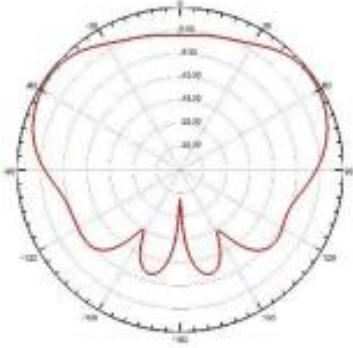
### TYPICAL SPECIFICATIONS

| ELECTRICAL          |                             | MECHANICAL             |                |
|---------------------|-----------------------------|------------------------|----------------|
| <b>Frequency</b>    | 2.05 GHz – 2.8 GHz          | <b>Connector Type</b>  | SMA female     |
| <b>Bandwidth</b>    | 750 MHz                     | <b>Standard Finish</b> | Black colour   |
| <b>Gain</b>         | 4.5 dBi Nom                 | <b>Mass</b>            | 32.83 g        |
| <b>Beamwidth</b>    | 47° (Az) x 50° (El) Approx. | <b>Temperature</b>     | -40°C to +70°C |
| <b>VSWR</b>         | < 1.5:1                     |                        |                |
| <b>Polarisation</b> | Linear                      |                        |                |
| <b>Power Rating</b> | Max. 10 W                   |                        |                |

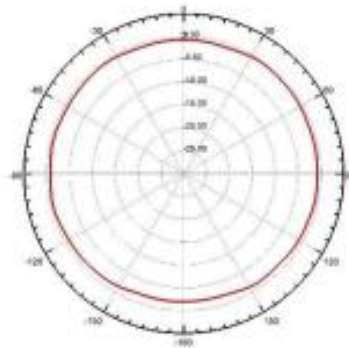


## REPRESENTATIVE RADIATION PATTERNS

### Roll Pattern

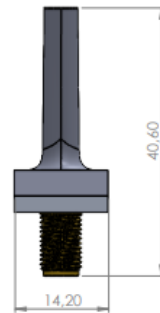
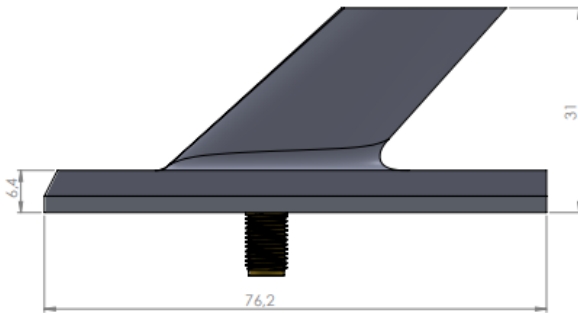
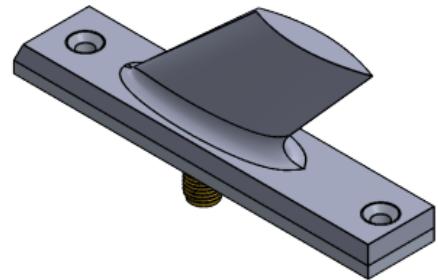
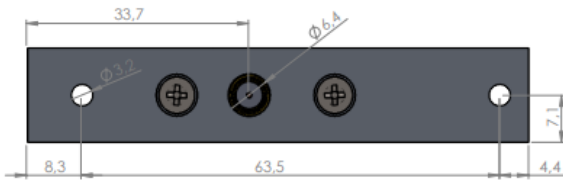


### Yaw Pattern



Units in dB

## REPRESENTATIVE MECHANICAL DESIGN



Units in mm.

