

# Dual Feed Square Patch Antenna For Reporting Terminal

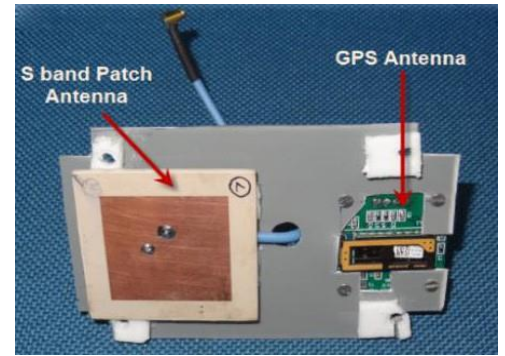
## Introduction

Designed and developed light weight compact volume profile Dual Feed Square Patch antenna for Reporting Terminal. Antenna is optimized with ABS radome & tested. Measured return loss is better than 17 dB over Transmit band. Measured gain and axial ratio is better than 2.5 dB and less than 3 dB up to theta  $\pm 45^\circ$  in all phi planes. Antenna with radome is tested in terminal from GSAT-6 Satellite.

## Features

S. no.	Parameters	Specifications
1.	Frequency band	2.67-2.69 GHz
2.	Return loss	Better than 17 dB
3.	Gain	2.5 dB at theta $\pm 45^\circ$ in all phi planes
4.	Axial ratio	Less than 3 dB at theta $\pm 45^\circ$ in all phi planes
5.	Size	44x44x3 mm <sup>3</sup>
6.	Weight	12 gm

## Developed Hardware:



## Technology Transfer from ISRO

ISRO is willing to offer the knowhow of this technology to suitable entrepreneurs / industries in India. Capable manufacturing industries interested in acquiring this knowhow may write with details of their present activities, requirements and plans for implementation, infrastructure and technical expertise available with them, their own market assessment, if any, and plans for diversification to the address given below: