

# Patch Array Antenna for Portable Multimedia Terminal

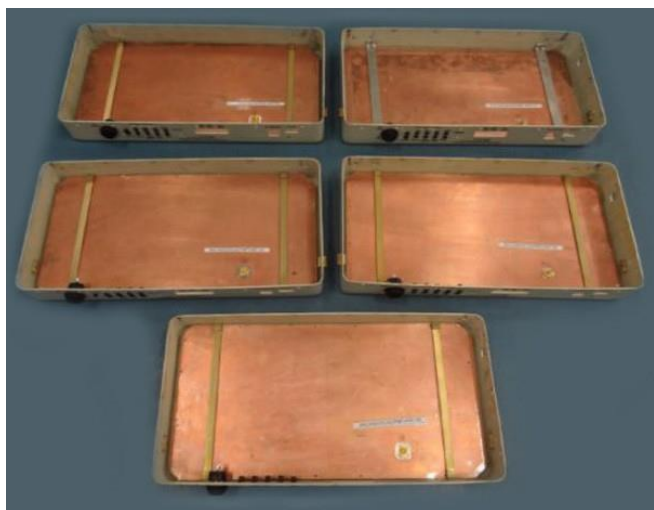
## Introduction:

Designed and developed light weight Electromagnetically coupled Stacked Patch array antenna. 8-element Dual Feed Square Patch array is used for required gain. Antenna is optimized with ABS radome & tested. Measured return loss is better than 17 dB over Transmit/Receive band. Measured gain and axial ratio is better than 15.5 dB and less than 1 dB. Antenna with radome is tested in terminal from GSAT-6 Satellite.

## Features:

S. no.	Parameters	Specifications
1.	Frequency band	Rx: 2.56-2.59 GHz Tx: 2.67-2.69 GHz
2.	Return loss	Better than 17 dB
3.	Gain	15.5 dB
4.	Axial ratio	Less than 3 dB
5.	Size	385x195x12 mm <sup>3</sup>
6.	Weight	280 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: