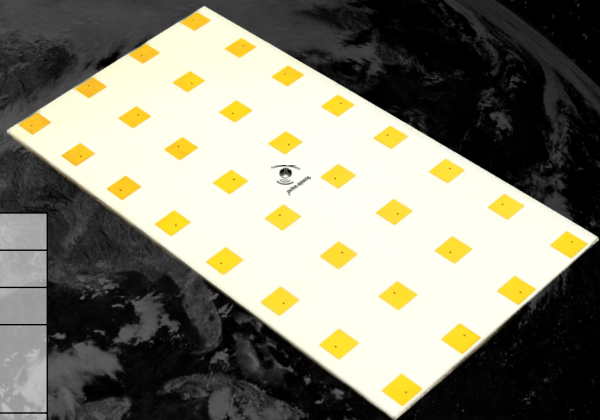


High-Gain X-Band Microstrip Patch Array for CubeSat Systems

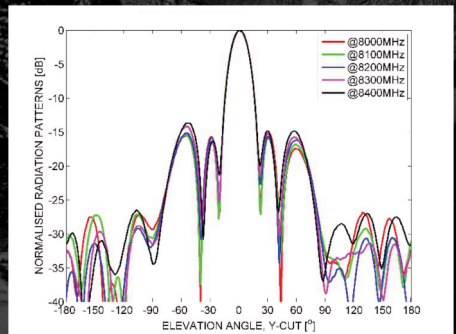
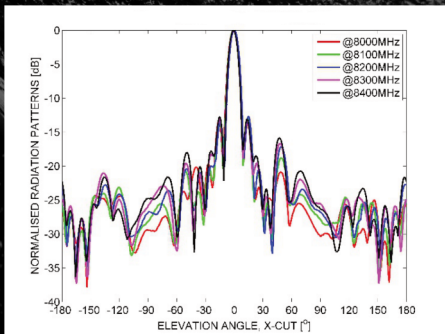
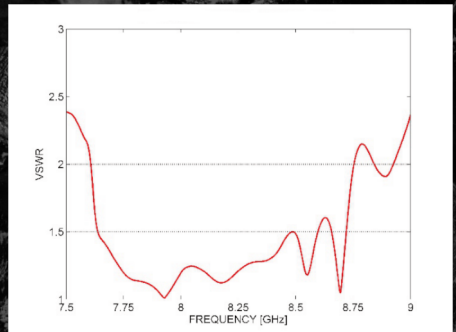


Features

- CubeSat Compatible
- High Gain & Low Loss
- Compact & Light Weight
- Space-Qualified Material



Parameters	Description
Frequency band	8000-8500MHz
VSWR	$\leq 1.5:1$
Half-Power Beam Width(HPBW)	X-cut@10°, Y-cut@18°
Boresight Gain	20.7-21.0dBiC
Polarisation	RHCP or LHCP
Axial Ratio	≤ 2 dB within HPBW
RF Power Handling	5W CW Typ.
Dimensions	100mm x 200mm x 3mm
Mass	90g
Connector	SMP Female
Operating temperature	-40°C°~+65°C Typ.



Experienced at different