

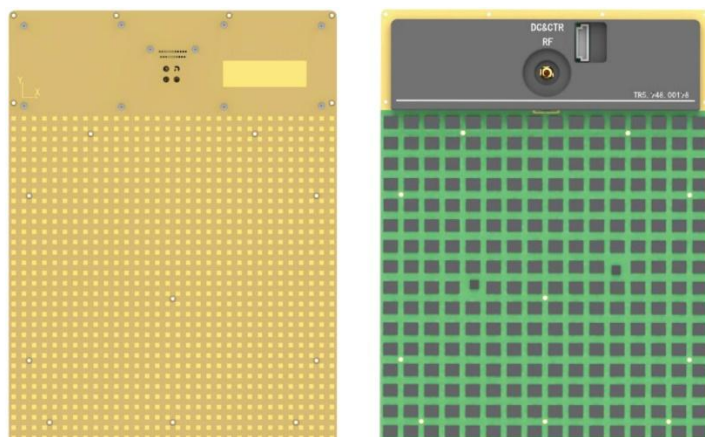


Phased array antenna series product

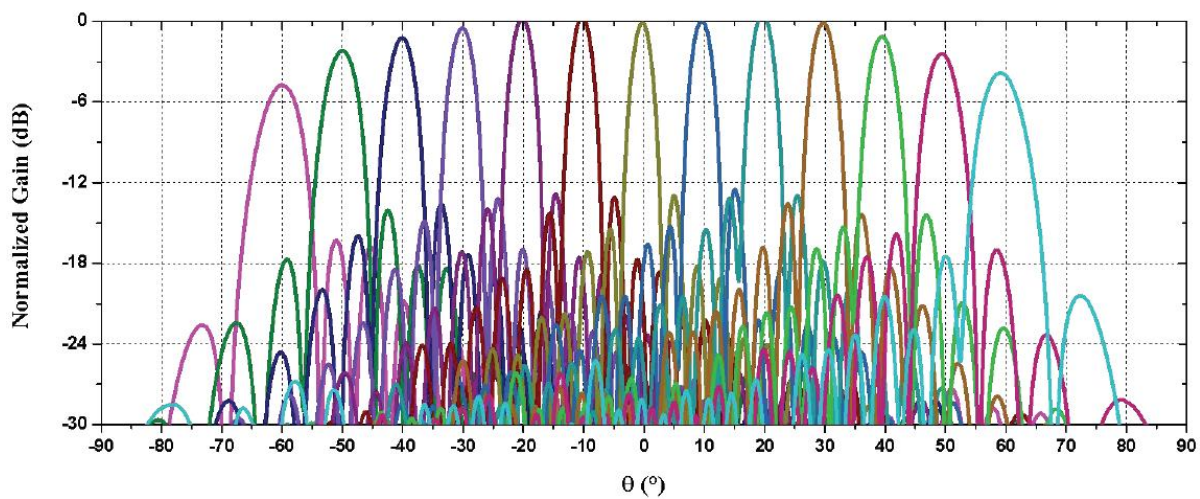
PRODUCT INTRODUCTION

Name : Ka band phased array antenna assembly

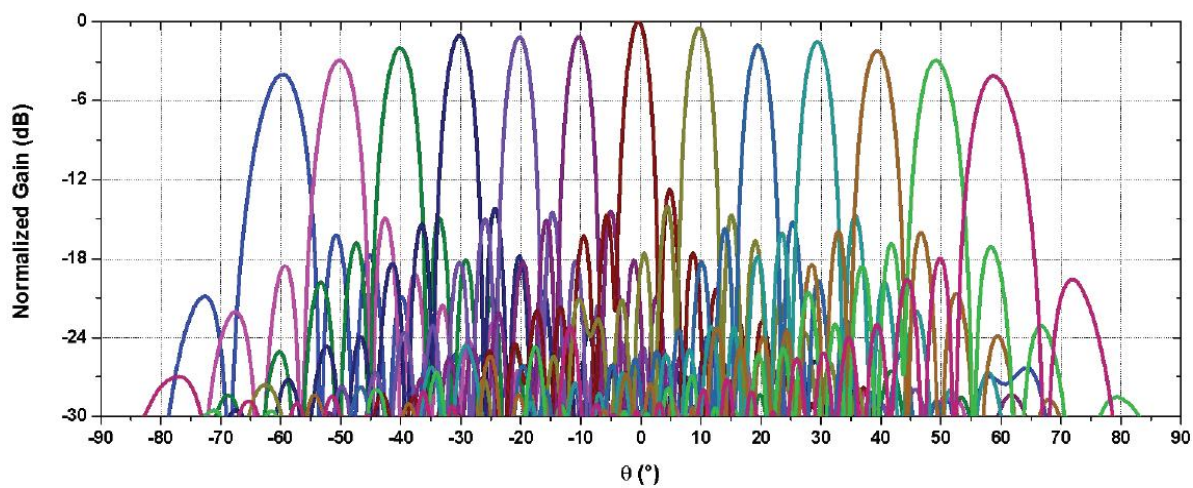
Series: SL-PhAA



Ka band 1024-Element transmitter subarray		SL-PhAA-A1024 T	
Sub-array indicator parameters			
Frequency	27.5 GHz ~31GHz	Beam sweep	Azimuth Angle: 0°~360°, Off-axis Angle: 0°~60°
The first sidelobe	-12dB @0°	Polarization	LHCP/RHCP, or linear polarization
Number of channels	1024	Cross-polarization	≤-30dB@0°, ≤-25dB @60°
EIRP	42dBw@0°, 38dBw@60°	Beam width	5°@0°
Interface characteristic			
RF interface	SSMA/SMP-JHD41-F	Control interface	J30JHK5-15ZKWP7-J
Physical dimensions and electrical characteristics			
Apparent dimension	210mm×160mm×12.5mm	Input voltage	DC+12V(11V ~13V)
Weight	0.36Kg	Power consumption	≤100W
Environmental index			
Working temperature	-40℃~+70℃	Storage temperature	-55℃~+85℃



(a) LHCP



(b) RHCP

Measured co-polarized beams scanned from 0° to 60° off broadside at 29.25 GHz