



KuMETAS

Ku-Band Hybrid Scanned Phased Array Antenna System for Satcom-On-The-Move Applications

Ku-Band Hybrid Scanned Antenna System

Ku-Band Hybrid Scanned Phased Array Antenna System is for Satcom-On-The-Move Applications. It mechanically scans in azimuth and scans electronically in elevation. With this scan pattern solution, it provides 360° coverage in azimuth while provides 90° coverage in elevation. KuMETAS provides wide band receiving and transmitting capability.



Tilted Louver Patch Antenna Array

- Hemispheric coverage
- Low air drag
- Mechanical scanning in azimuth
- Electronical scanning in elevation

	Target	Unit		Target	Unit
Frequency Band	Dual-Band		EIRP	85	dBm
Ku	Tx: 13.5-14.5	GHz	VSWR	Tx-Rx: 2:1	
Ku	Rx: 10.95-12.75	GHz	Data Rate		
Polarization				Tx: 10	Mb/s
Ku ⁽¹⁾	Tx: V or H			Rx: 1	Mb/s
Ku ⁽¹⁾	Rx: H or V		3dB Beamwidth	<2	Deg
Antenna Gain			Power Supply	<1000	Watts
	Tx: 34	dBi	Elevation Scan	+20 to +90	Deg
	Rx: 32	dBi	Azimuth Scan	360	Deg
G/T	7	dB/K	Weight	50	kg
			Dimensions	800/800/250	(w/l/h)mm

(1) Polarizations of Tx and Rx are orthogonal at Ku Band



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Ku Bant Melez Taramalı Anten Sistemi

KuMETAS, Ku Bantta çalışan hem mekanik hem de elektrik tarama yapan bir anten sistemine sahip, Satcom-On-The-Move uygulamalarına yönelik tasarlanmış bir üründür. Mekanik olarak taraması yaparken, dikeyde elektronik tarama yapar. Bu özgün tarama modeli çözümüyle, azimutta 360° kapsama sağlanırken, dikeyde 90 derecelik bir kapsama sağlanır. KuMETAS geniş bantta alma ve gönderme kabiliyetine sahiptir.



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