

Band	3400 - 4200 / 4500 - 5000
Polarization	VH
Half-power Beam Width	65°/60°/55°

DKK Co., Ltd.

Model: VH65A-3545RTD

Rev. 01

Electrical Specifications

Operating Frequency Band [MHz]	3400 - 4200 / 4500 - 5000		
Frequency Range [MHz]	3400-3600	3600-4200	4500-5000
Polarization [degrees]	Vertical / Horizontal		
Gain [dBi]	Tilt5°: 16.5 Tilt10°: 16.5 Tilt15°: 16.0		
Horizontal Beam Width [degrees]	65	60	55
Front-to-Back Ratio , [dB]	≥ 20		
Vertical Beam Width [degrees]	9	8.5	7
Electrical Downtilt [degrees]	Initial tilt 10 variable tilt 5 - 15		
VSWR	≤ 1.5		
Isolation	Cross Polar [dB]	≥ 20	
Maximum Input Power / Per Port[W]	120		
Impedance[Ω]	50		



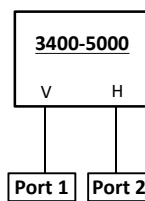
Mechanical Specifications

Radome Material	Fiberglass
Connector Type	N Female x2
Mounting Hardware	option
Mast Diameter Adjustable	φ89.1mm - φ139.8mm (φ3.51inch - φ5.51inch)
Mechanical Downtilt Angle	-5° - +5°
Operating Temperature Range	-30 - +65°C (-22-149°F)
Operating Humidity	0 - 95%RH
Enclosure Protection	IPX5
RF Connector Protection	IP67
Wind Load	76N @93.2MPH
Wind Velocity	167.7MPH
Weight	3.8kg(8.4lb) at max.
Dimension (Length x Diameter)	550 x φ105 mm (21.66 x φ4.14 inch)

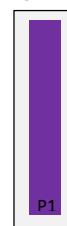
RET Informations

Condition	Internal
Protocol	3GPP / AISG 2.0 Multi RET
Number of Interface	Male: 1 Female : 1

Port Layout



Antenna Array Configurations

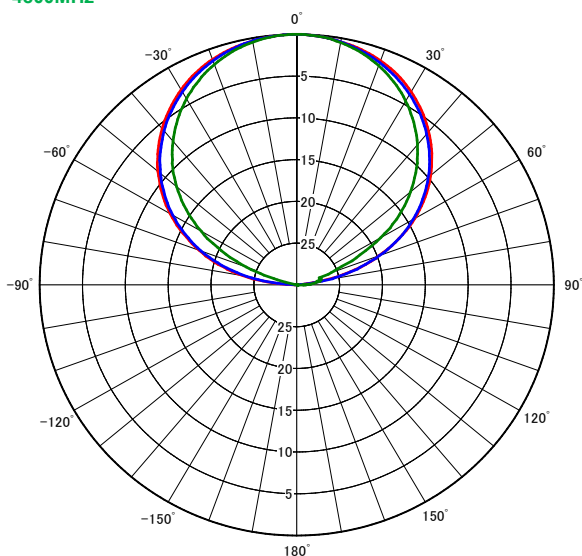


Antenna Bottom View



Horizontal Plane

- 3500MHz
- 3800MHz
- 4800MHz



Vertical Plane

- 3500MHz
- 3800MHz
- 4800MHz

