

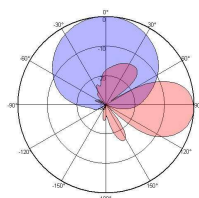
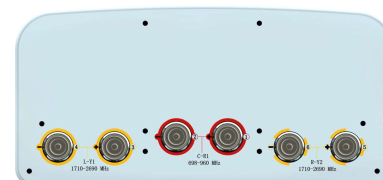
XXXPol 698~960MHz/1710~2690MHz×2 65°/65° 11.7/15.3dBi 0°/0° Fixed Electrical Downtilt Antenna

Parameters measured and declared to comply with BASTA v11.1

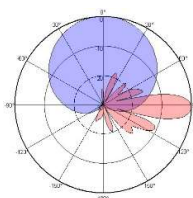
Electrical Specifications				
Frequency range (MHz)	R1-698~960			
	698~803	790~862	824~894	880~960
Polarization	±45°			
Gain over all tilts (dBi)	10.7±0.6	11.0±0.6	11.4±0.5	11.7±0.5
Horizontal 3dB beamwidth (°)	68±6	68±5	63±5	64±5
Vertical 3dB beamwidth (°)	27±3	28±3	25±3	26±3
Front to back ratio (dB)	≥25	≥25	≥25	≥25
Total power, ±30°				
Cross polar ratio (dB) (at Boresight)	>15	>15	>17	>17
Electrical downtilt (°)	0			
Sidelobe suppression (dB) (First sidelobe above main beam)	>14	>14	>14	>14
VSWR	≤1.5			
Isolation between ports (dB)	≥25			
Intermodulation IM3 (2×43dBm carrier) (dBc)	≤150			
Impedance (Ω)	50			
Max. input power per port(W)	200			
Total Power for the Antenna (W) @50°C	400			
Lightning protection	DC Ground			

Electrical Specifications				
Frequency Range (MHz)	Y1/Y2-1710~2690			
	1710~1920	1920~2200	2200~2490	2490~2690
Polarization	±45°			
Gain over all tilts (dBi)	14.8±0.3	14.9±0.3	15.3±0.3	15.4±0.3
Horizontal 3dB beamwidth (°)	67±6	65±5	63±4	65±3
Vertical 3dB beamwidth (°)	18±3	16±3	14±2	14±2
Front to back ratio(dB)	≥25	≥24	≥24	≥24
Total power, 180°				
Cross polar ratio (dB) (at Boresight)	>15	>15	>15	>15
Electrical downtilt (°)	0			
Sidelobe suppression (dB) (First sidelobe above main beam)	>16	>16	>16	>15
VSWR	≤1.5			
Isolation between ports (dB)	≥25			
Intermodulation IM3 (2×43dBm carrier) (dBc)	≤150			
Impedance (Ω)	50			
Max. power per input (W) @50°C	200			
Total Power for the Antenna (W) @50°C	400			
Lightning protection	DC Ground			

Mechanical Specifications	
Connector	6×7/16 DIN Female
Connector position	Bottom
Height × width × depth (mm)	499×355×165
Packing size (mm)	730×460×260
Antenna weight (kg)	6.0
Installation kit weight (kg)	4.3
Packing weight (kg)	13
Max. wind load@150km (N)	295 (Frontal)
Max. wind velocity (km/h)	250
Radiator material	Aluminum
Reflector matcrial	Aluminum
Radome material	Fiberglass(UV resistant)
Radome color	Gray
Mechanical tilt (°)	0-15
Adjustment mechanism	Included
Operating temperature (°C)	-50~65
Storage temperature (°C)	-50~65
Mounting hardware (mm)	Φ50~Φ115
Antenna Pattern Sample For Reference	



698-960MHz



1710~2690MHz

Compliance

- Certified quality assurance system and environmental management system of company:
EN ISO9001:2015, EN ISO 14001:2015, OHSAS 18001.
- Environmentally regulations: **ROHS 2011/65/EU and EN 60950-1, EN 60950-22, REACH.**
- Comply with **CE certification.**