


TDD Dual Polarized Smart Antenna Specification Sheet

2300-2400/2490-2690 75° 16.5dBi 2° -12° Tilt

Electrical specifications		W26SM17DT	
Frequency Range (MHz)		2300-2400	2490-2690
Polarization		±45°	
Electrical Downtilt (°)		2-12	
Down-tilt Precision (°)		±1	
V.S.W.R.		≤1.5	
Isolation between Co-polarization Ports (dB)		≥25	
Isolation between Cross-polarization Ports (dB)		≥25	
Transmission from Any Column's Port to Calibration Port (dB)		-26±2	
Max.Altitude Difference between Calibration Port and Each Radiation Port (dB)		≤0.7	
Max.Phase Difference between Calibration Port and Each Radiation Port (°)		≤5	
Single Column	Horizontal -3dB Beamwidth (°)	75±8	70±8
	Vertical -3dB Beamwidth(°)	≥5.5	≥5
	Gain(dBi)	≥16	≥16.3
	Cross Polar Ratio (dB)	≥15, (±60°≥10)	
	Front-to-back Ratio(dB)	≥23	

Mechanical specifications		
Connector	(8+1)×N Female	
Connector position	Bottom	
RET type	Integrated RET	
RET Protocols	AISG2.0/3GPP	
Height/width/depth (mm)	1450×322×106	
Weight(kg)	16	
Radome material	UPVC	
Radome color	Gray	
Mechanical tilt (°)	-5~10	
Operating temperature (°C)	-40~60	
Rated wind velocity (m/s)	60	
Mast Diameter(mm)	50~115	

Multi-band Panel (MHz)	2300-2400	2490-2690
Dual Polarization	X	
Half-power Beam Width	75°	

Installation Sketch

