MT009S08LH/C

902 - 928 MHz 8.5 dBic LHCP Reader Antenna

Wireless Edge
Antenna Solutions
An MTI Company

Electrical	
Regulatory Compliance	RoHS, CE 0682
Frequency	902-928 MHz
Gain	8.0 ± 0.5 dBic Linear Gain 6.5 dBi max
VSWR	1.3:1 typ, 1.5:1 max
3 dB Beam Width	Azimuth: 65° typ Elevation: 65° typ
Polarization	LHCP Left Hand Circular Polarization
Axial Ratio	2 dB typ 4 dB max
F/B Ratio	18 dB typ
Input Power	6 W max
Impedance	50 Ω

Mechanical	
Dimensions	260.5 x 260.5 x 13
Weight	0.55 kg max
Interface	SMA Female

Environmental

Test	Standard	Duration	Temperature	Notes
Low Temperature	IEC 68-2-1	72 h	-30 °C	
High Temperature	IEC 68-2-2	72 h	+75 °C	
Temp. Cycling	IEC 68-2-14	1 h	-45 °C +70 °C	3 Cycles
Vibration	IEC 60721-3-4	30 min/axis		Random 4M3
Shock Mechanical	IEC 60721-3-4			4M3
Humidity	ETSI EN300-2-4 T4.1E	144 h		95%
Water Tightness	IEC 529			IP54
Wind Load Survival: Front Thrust Side Thrust				 17.8 kg 1.4 kg

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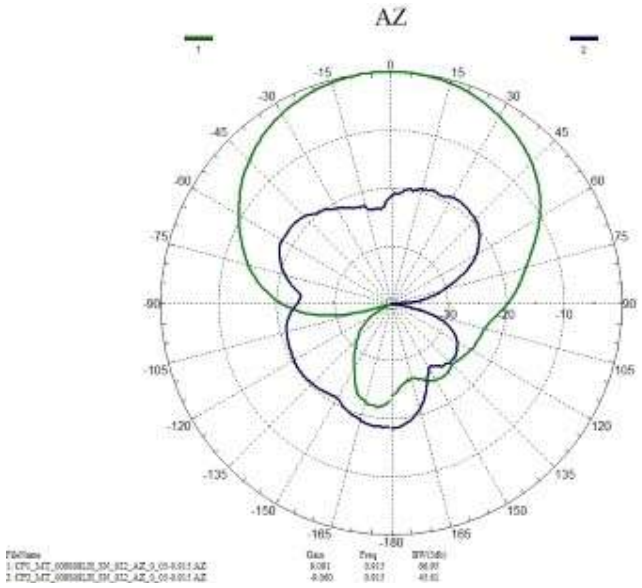
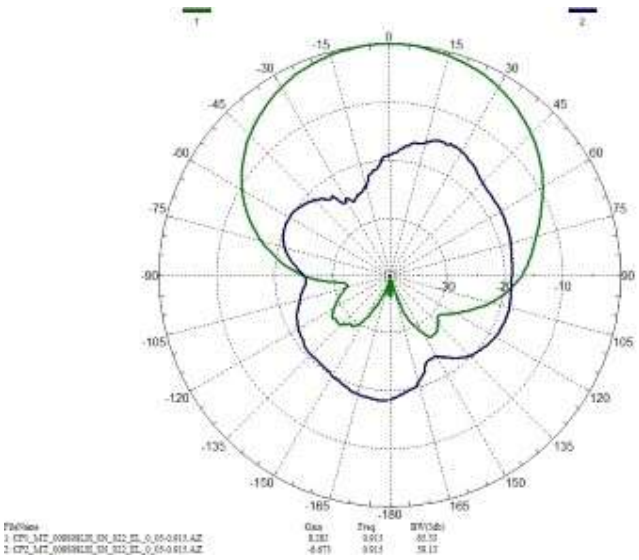
Azimuth Radiation Pattern (2D):



Elevation Radiation Pattern (2D):



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