

SW-DWS10

Antenna Test Report

Jun. 09, 2026

Johnson Yu

Antenna Design Department

Outline

- Test Information
- Antenna Structure & Placement
- Return Loss
- Radiation Pattern
- Peak Gain & Efficiency



Test Information

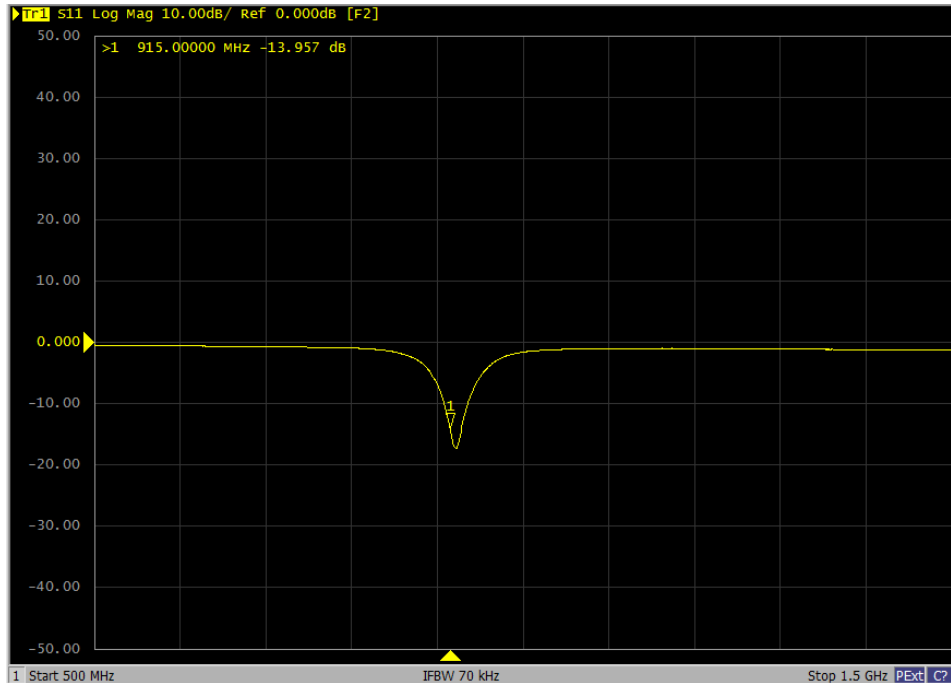
Item	Description
Brand Name	Sercomm
Equipment	SW-DWS10
Manufacturer address	8F, No. 3-1, YuanQu St. Taipei, Taiwan 115 R.O.C.
Test Condition	Radiation
Test Engineer	Johnson Yu
Test Environment	ETS-Lindgren AMS-8923 Antenna Measurement Chamber
Test Date	Jun 09, 2026

Antenna Structure & Placement

Ant	Model	Operating Band	Type	Material	Feeding	Dimension
Z WAVE	SW_DWS10_metal_Ant	915MHz	PIFA	Metal	Trace	11(L) x 5(W) x 7(T) mm ³

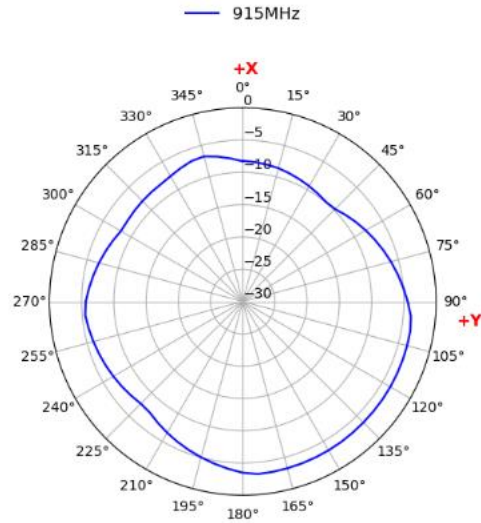
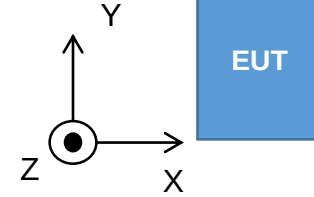
Item	Part Number	Connector	Quantity	Polarization	Ant No.
1	61721MN009	NA	1	Linear	Z WAVE

Return Loss & Efficiency & Peak

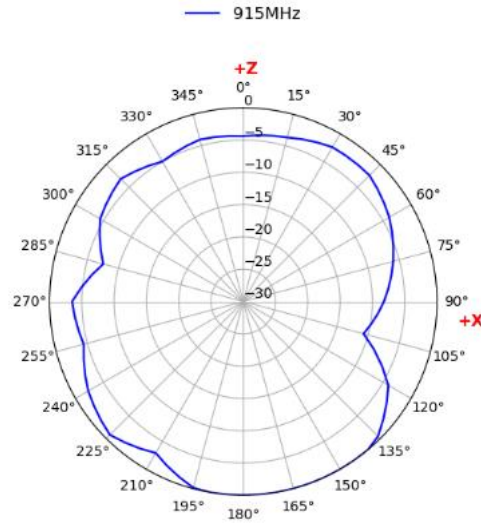


Freq. (MHz)	Z WAVE		
	Efficiency (%)	Average Gain (dBi)	Peak Gain (dBi)
902	32.1	-4.93	-0.84
915	33.6	-4.74	-0.63
928	32.9	-4.83	-0.72

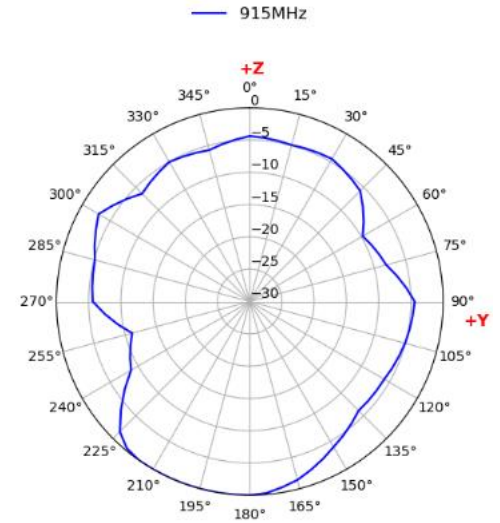
2D Radiation Pattern - Z WAVE @915MHz



XY plane

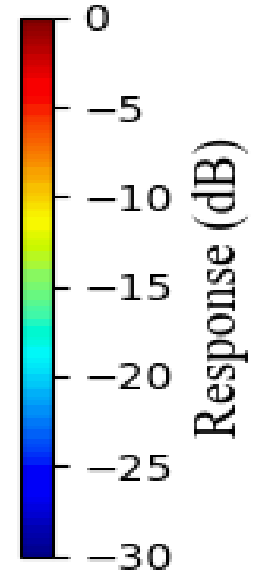
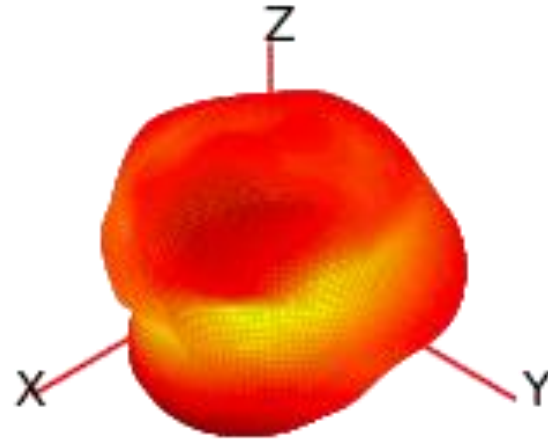
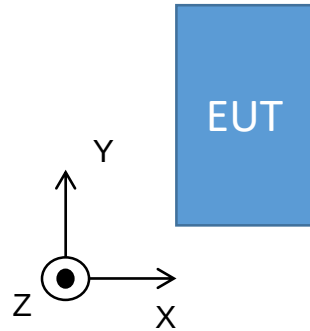


XZ plane



YZ plane

3D Radiation Pattern - Z WAVE @915MHz



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