

Testing Report

SRD Antennas(905-926.5MHz)

Customer Name: AJAX SYSTEMS

Product Name: Takeover Module Jeweller

Sample Model: -

Issue Date: 16.04.2026

 Engineer: B.Hermaniuk	Date: 16.04.2026
 Approver: O. Tymoshenko	Date: 16.04.2026

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1. General Information

1.1. General information of testing institutions

Name	«AJAX SYSTEMS MANUFACTURING» LLC
Address	5 Sklyarenka Str., Kyiv, 04073, Ukraine
Web-address	https://ajax.systems/
E-mail	kuraksa.s@ajax.systems

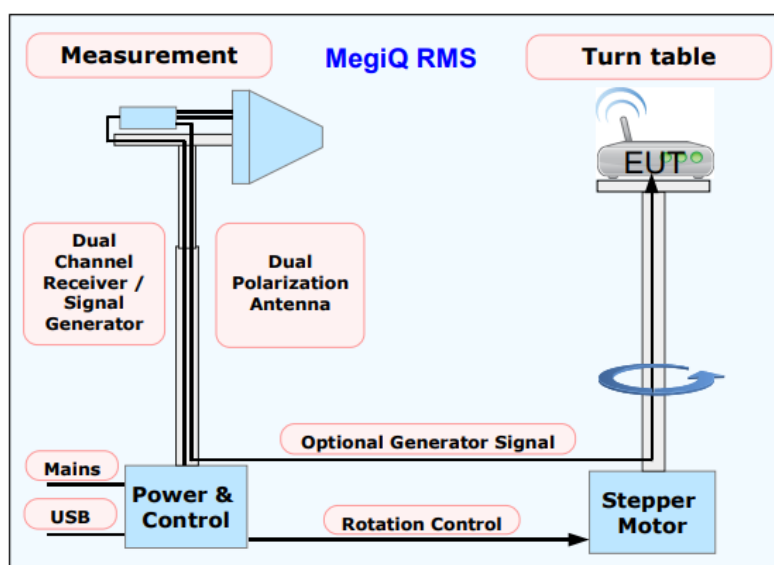
1.2. Testing principle

The MegiQ Radiation Measurement System (RMS) is a compact test system that performs 3-axis radiation pattern measurement in non-anechoic spaces.



RMS0440 – RMS0460
RMS0640 – RMS0660

Measurement System



1.3. Test equipment

Equipment	Manufacturer	Model	Identifier (serial number)	Calibration date
Vector network analyzer	MegiQ	RMS0460	00003028	10/2024 – 10/2026
Antenna	Narda Safety Test Solutions	LP-02	001ZX10321	08/2024 – 08/2026
Shielded room		—	—	—
Power&Control unit	MegiQ	---	—	—
Turn table	MegiQ	---	—	—
Personal computer	ASUS	Vivobook S M5606UA-MX026	380000281174	—

1.4. Test environment

Temperature	22.5°C
Humidity	58%RH
Pressure	100.20kPa

1.5. Statement

- (1) The test results in the report are only applicable to the tested samples and the tested samples work under the environment described in the report.
- (2) Only «AJAX SYSTEMS MANUFACTURING» LLC have the right to modify the report, and the modification information shall be annotated in the revision form.
- (3) Any objection to this report shall be raised within 30 days after formal confirmation of the report.
- (4) This report is invalid if there is any evidence that the sample information provided is falsified.
- (5) The report is invalid without the signature of the approver

2. Sample Information

2.1. Client

Name	«AJAX SYSTEMS MANUFACTURING» LLC
Address	5 Sklyarenka Str., Kyiv, 04073, Ukraine
Manufacturer	«AJAX SYSTEMS MANUFACTURING» LLC

2.2. Description of EUT

Product Name	Takeover Module Jeweller
Antenna Size	49.8mm x 125.2mm
Serial No.	-
Antenna Type	PCB antenna
Test Item	VSWR; Antenna gain; Radiation pattern
Frequency Range	905-926.5MHz
HW info	WTM.001.MBR.001v6

3. Test Result

3.1. Test standard

Name	Parameter	Method	Standard no.
Mobile communication antenna	Antenna gain	Generic specification for antennas used in the mobile communications	GB/T 9410-2008
	Radiation pattern		
	VSWR		
Antenna		IEEE Standard Test Procedures for Antennas	ANSI/IEEE Std 149-1979
	Gain and directivity		

3.2. Test uncertainty

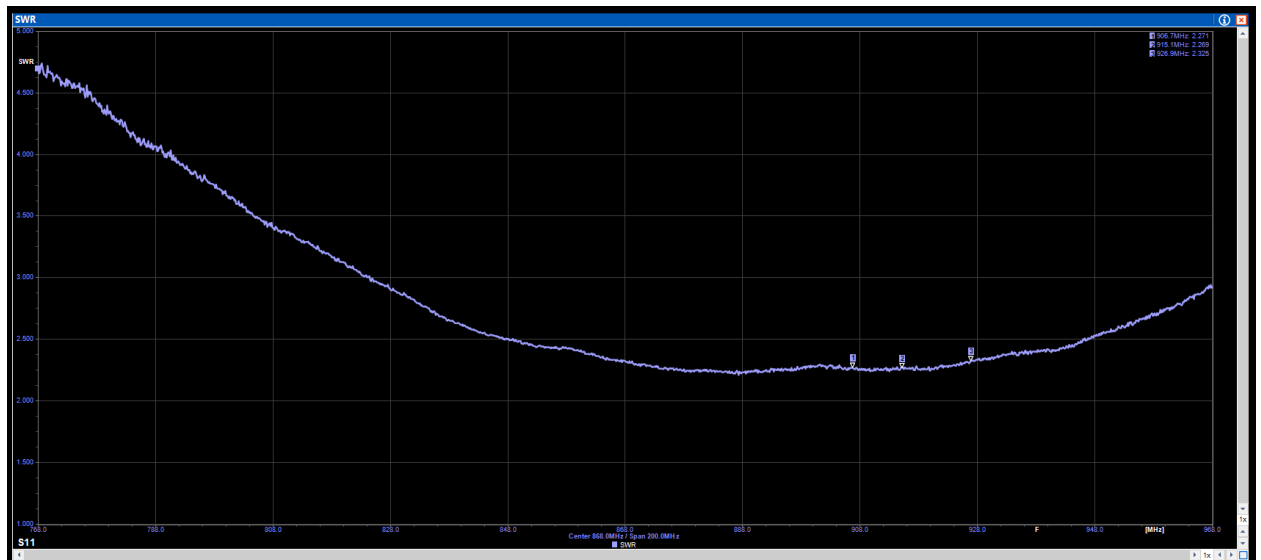
The uncertainty was calculated on the basis of the GUM published by ISO, using the inclusion factor of K=2 and the 95% confidence level to express the extended uncertainty.

Item	Uncertainty
VSWR	± 0.2
Antenna gain	± 0.6
Radiation efficiency	± 0.6

3.3. Test data

3.3.1. VSWR parameters

Jwl



3.3.2. VSWR data

Frequency/MHz	905	915.85	926.5
jeweller			
VSWR	2.2	2.3	2.3

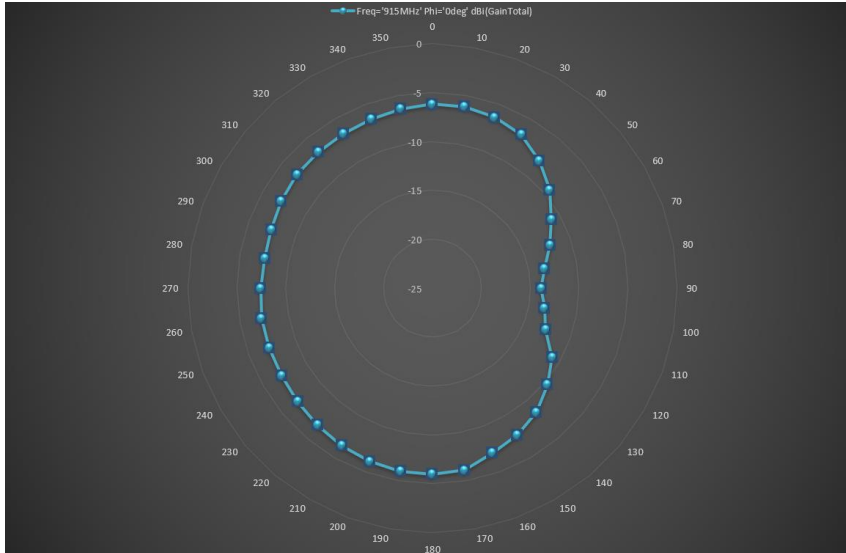
3.3.3. Typical efficiency and gain

Frequency/MHz	905	915.85	926.5
jwl			
Peak Gain/dBi	-2	-1.7	-1.8

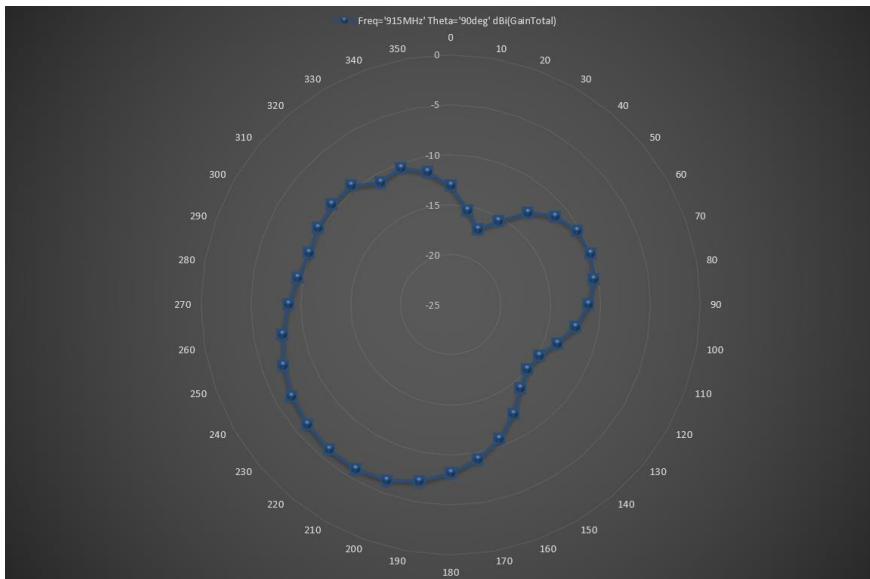
3.3.4. Typical free space radiation pattern

915.85 MHz

XZ theta0 phi0-360



XY phi90 theta 0-180



ZY theta90 phi0-360

