

**Antenna measurement data**

**ARRTN5-915.000MHz**

- Antenna Specification

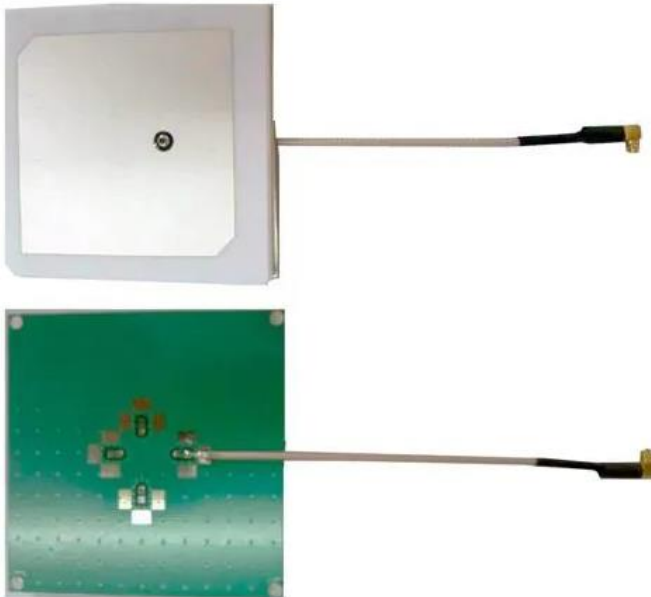
Model Name : ARRTN5-915.000MHz

Frequency : 902MHz~928MHz

Peak Antenna Gain : 3.31dBi

Antenna Type : Patch antenna

Picture



- Test Date : November 15, 2023

- Measurer Name : Kenji Kobayashi

- Calibrated equipment

Network Analyzer, Agilent, N5222A

Measurement antenna, Schwarzbeck, UHALP 9108-A

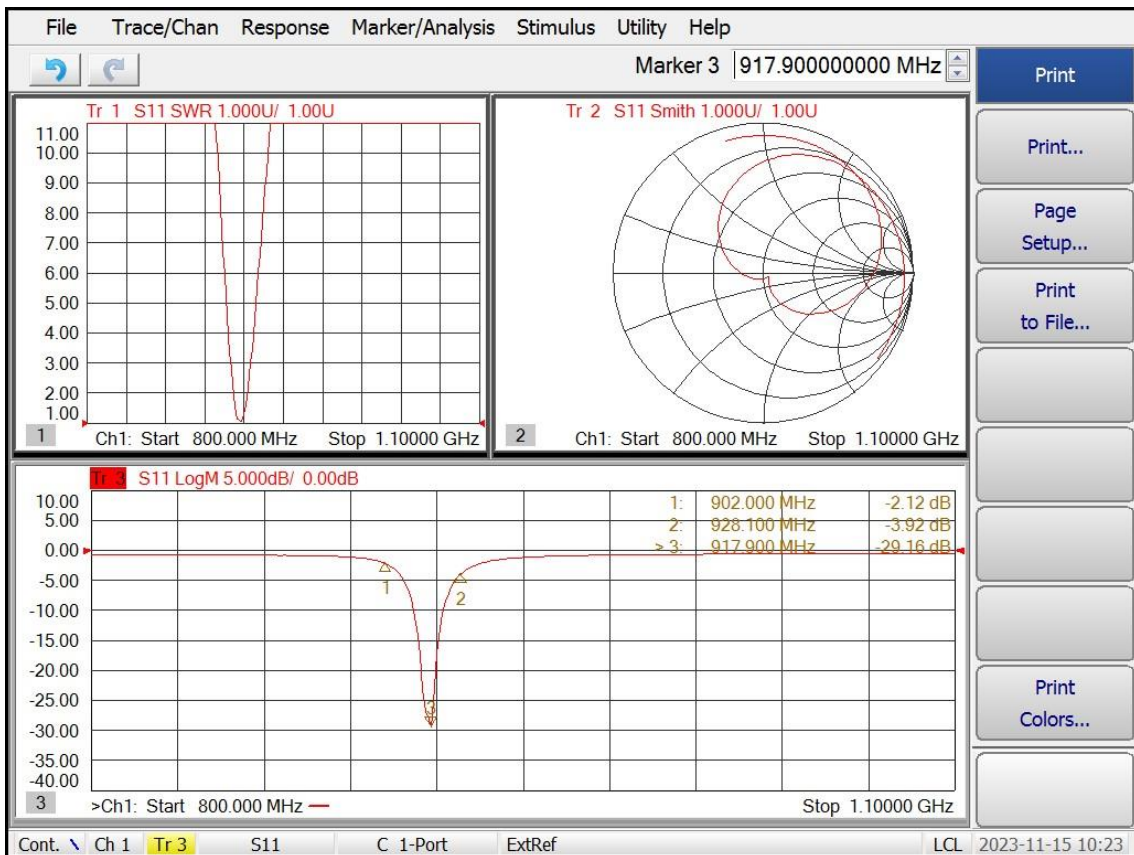
Reference antenna, A.H. Systems, SAS-519-4

- Measurement system software : TEPTO-ANT (Dedicated software for microwave band antenna measurement system)

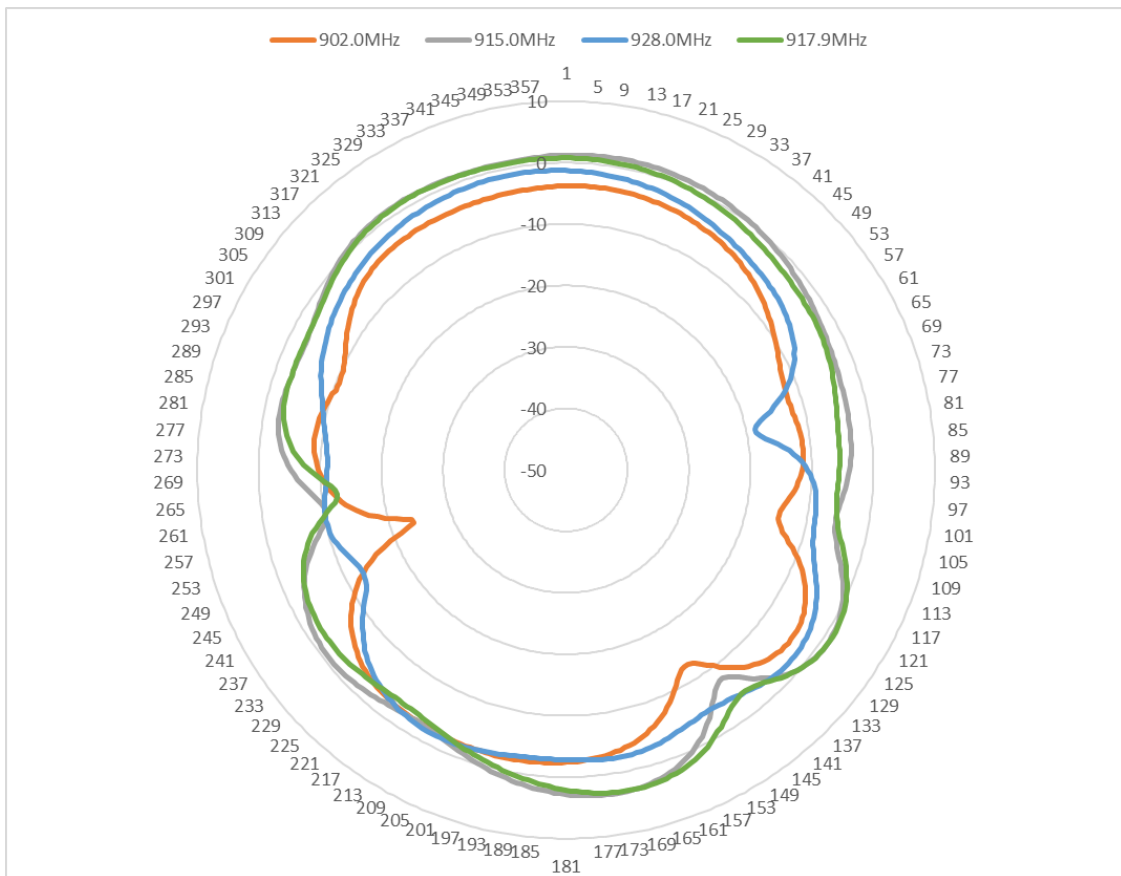
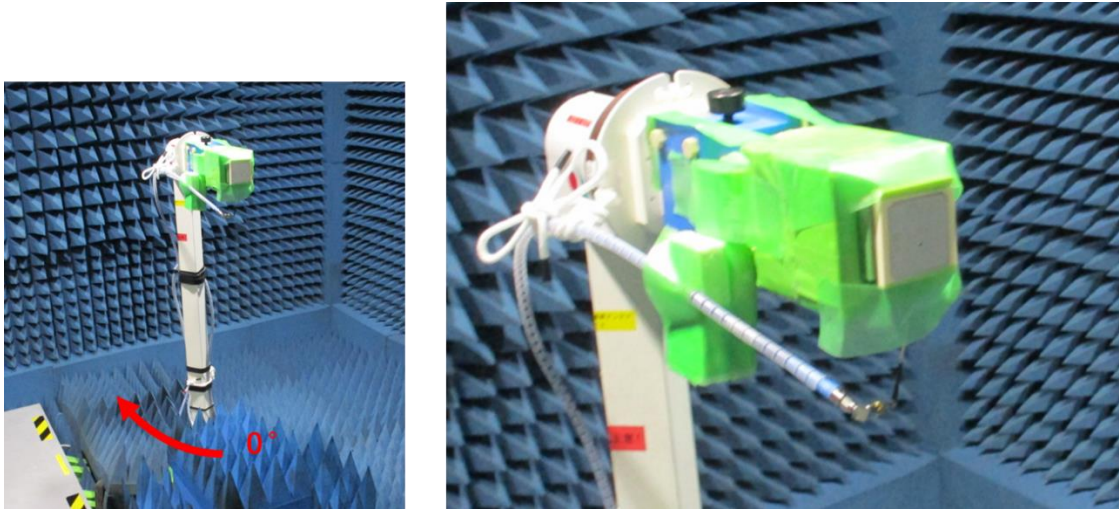
• Measurement method

This measurement method calculates antenna gain by receiving a test signal from an existing transmitting antenna with a reference antenna of known gain and an antenna under test in receive mode using a network analyzer, and measuring the relative reception level difference. The pattern uses a rotating stand to measure the relative levels, acquires horizontal and vertical data, and converts it to the antenna gain of circularly polarized wave by root-mean-square.

VSWR



Radiation Pattern



Peak Gain 3.31dBi