



AR300 Antenna Check Sheet



Antenna Check Sheet

Date: 2026/03/05

Revision History:

Version	Date	Change Description
1.0	2026/03/05	New Release



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Antenna Check Sheet

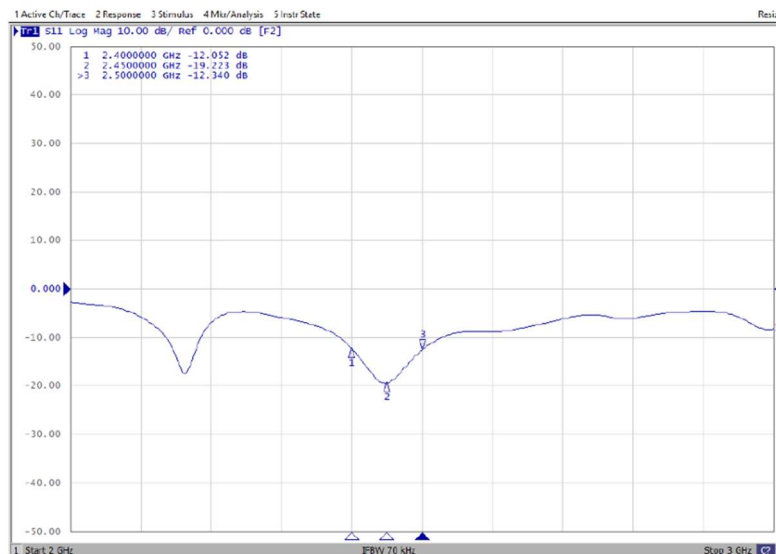
Date: 2026/03/05

Antenna Specification

Ant .	Antenna Brand	Antenna. model	Antenna type	Antenna Gain (dBi)	Frequency Range (MHz)	Connector type	Cable length (cm)	Cable Loss
#1	PSA	RFFPA312310I MAB301	PIFA	3.11	2400~2500	IPEX	10	已計入 antenna gain
#2	PSA	RHNFC67480 3ZMNBX01	Coil	NA	13.5	NA	X	X
#3	PSA	RFNFC11680 0NNZB001	Coil	NA	0.125	NA	X	X

Test Result:

ANT1 Return Loss:

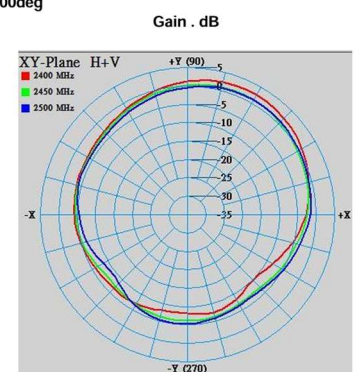
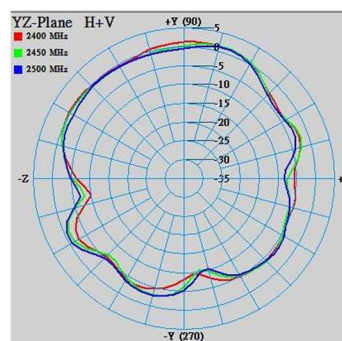
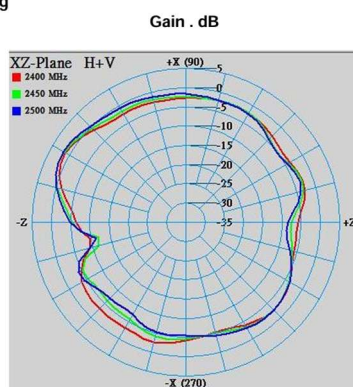


ANT1 Return Loss 2D Radiation Patterns:

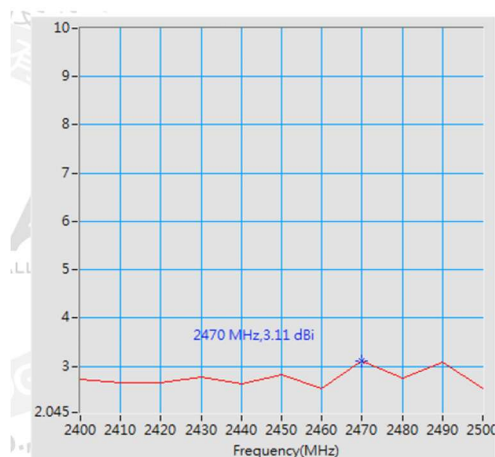
Phi=0.00deg

Phi=90.00deg

Theta=90.00deg

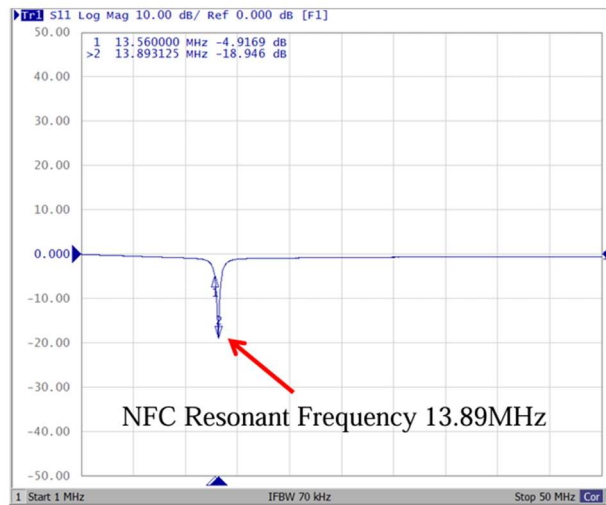


ANT1 Antenna Gain:

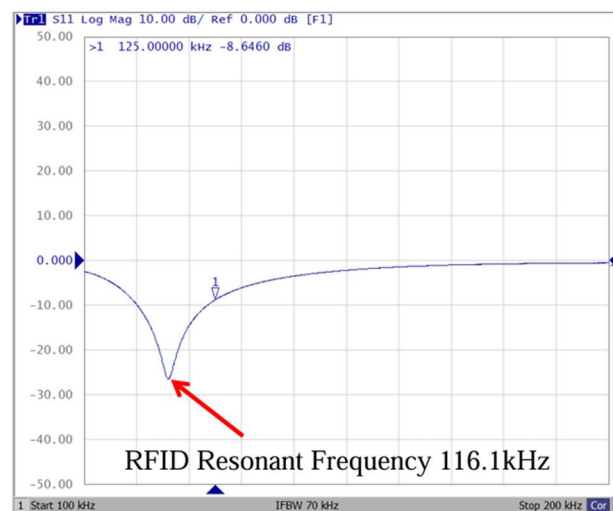


Maximum Peak Gain at 2470 MHz : 3.11 dBi

ANT2 Return Loss:



ANT3 Return Loss:



Antenna Vendor information:

Antenna Vendor: INPAQ Technology Corporation



Test date: 2026/01/30

Test Engineer: Gary

Address of test site: No. 90, Keyi St., Zhunan Township, Miaoli County 350402, Taiwan (R.O.C.)

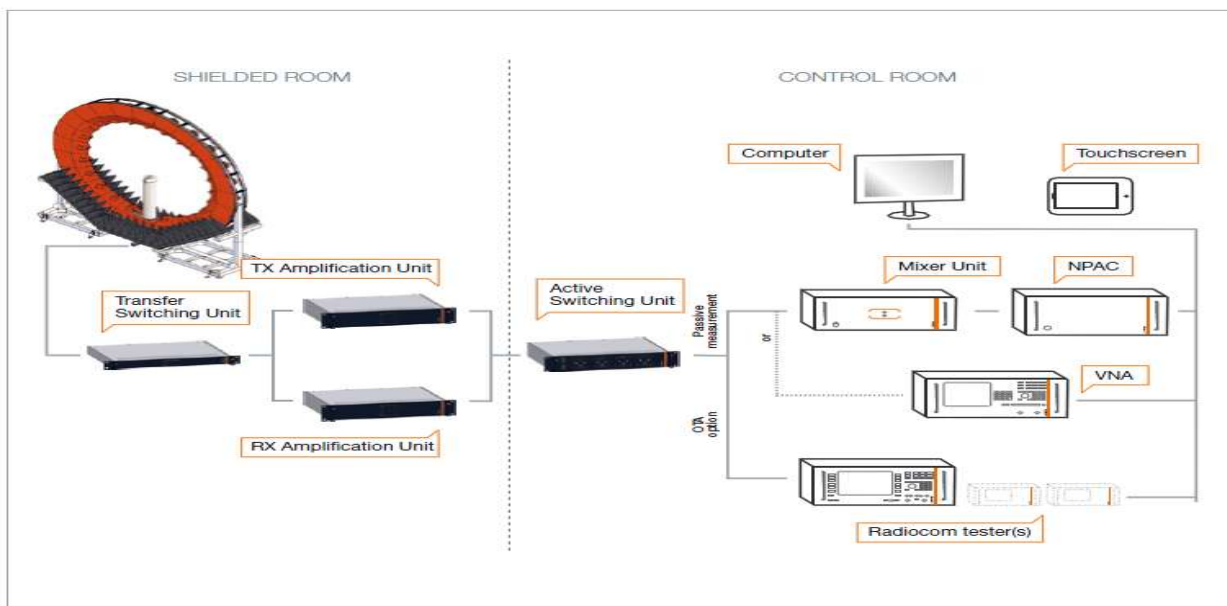
Measurement Setup:

Reflection Coefficient Measurement:

-Instrument : E5071C

-Setup:

System overview:





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Measurement procedure:

Fasten the EUT in the center of the jig on Multi-Axis Positioning System, record the coordinates and take pictures. Make sure the transmit signal is stable and at the maximum RF power level. The EUT is then stepped between 0 to 360 degrees along the horizontal plane in 15-degree increments. Data is recorded using the signal analyzer for both theta and phi polarizations at each position. Rotate the EUT with 90 degree and repeat step until all 3 planes were measured. Change EUT setup to transmit the RF power on 2400MHz, 2450MHz and 2500MHz respectively. Find the highest peak EIRP recorded from measurement data for all 3 planes.

Test instrument calibration information:

Vendor	Model	Calibrated Date	Calibrated Until
Keysight Network Analyzer	E5071C	2025/3/3	2026/3/3