



AUGi_Vision DVT Antenna TEST REPORT

Product Name	AUGi Vision
Applicant	AWAN
Manufacturer	AWAN
Test site	AWAN
Model	Vision_Lora
Antenna type	LoRa_Monopole
Address	5F., No. 225, Sec. 3, Beixin Rd., Xindian Dist., New Taipei City 231 , Taiwan

Approved by	Reviewed by	Issued by
Taka Wei	Ella Lin	Ella Lin

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1. INTRODUCTION

1.1 TEST EQUIPMENT

Passive Test:

Network Analyzer: Keysight E507C (100KHz ~ 8.5GHz)

Passive Chamber: AMS-8500

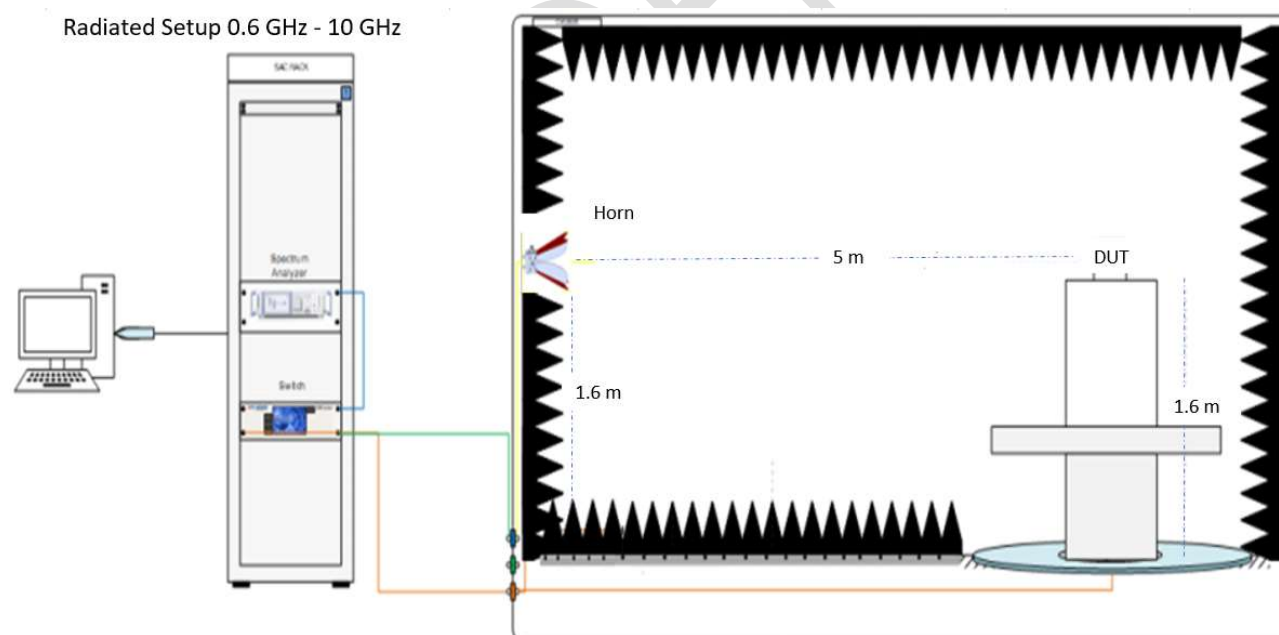
1.2 TEST CONDITION

Support Band: 914.2MHz

Temperature: 25°C

1.3 TEST SETUP AND ENVIRONMENTS

The testing of antenna gain should be made at a ETS qualified lab with an RF anechoic chamber with at least 5-meter separation from the receive antenna to the antenna under test. The antenna gain report from unqualified lab can't be referenced a passing. Besides, all test equipment including horn antennas, adapters, cables, network analyzers, and receivers shall be calibrated per manufacturer's minimum calibration requirements.



Device	Type/Module	Serial#	Manufacturer	Cal. Date	Cal. Due Date
Anechoic Chamber	AMS-8500	1047	ETS-Lindgren	2025/2/21	2025/8/21
Turn Table	ETS	-	ETS-Lindgren	N/A	N/A
Rotate controller	2090	SN 00035073	ETS-Lindgren	N/A	N/A
Horn Antenna	HAD-0710	111025-02	Bwant	2025/3/16	2027/3/16
Vector Network Analyzer	E5071C	MY46733781	Keysight	2025/1/21	2028/1/21
Cable 40cm 18GHz	201EH012010400	201EH012010400#1	Jmtt	2025/3/16	2026/3/16
Cable 6m 18GHz	201EH012016000	201EH012016000#3	Jmtt	2025/3/16	2026/3/16
Cable 6m 18GHz	201EH012016000	201EH012016000#5	Jmtt	2025/3/16	2026/3/16
Cable 3.5m 18GHz	201EH012013500	201EH012013500#3	Jmtt	2025/3/16	2026/3/16
Cable 1.5m 18GHz	201EH012011500	201EH012011500#2	Jmtt	2025/3/16	2026/3/16

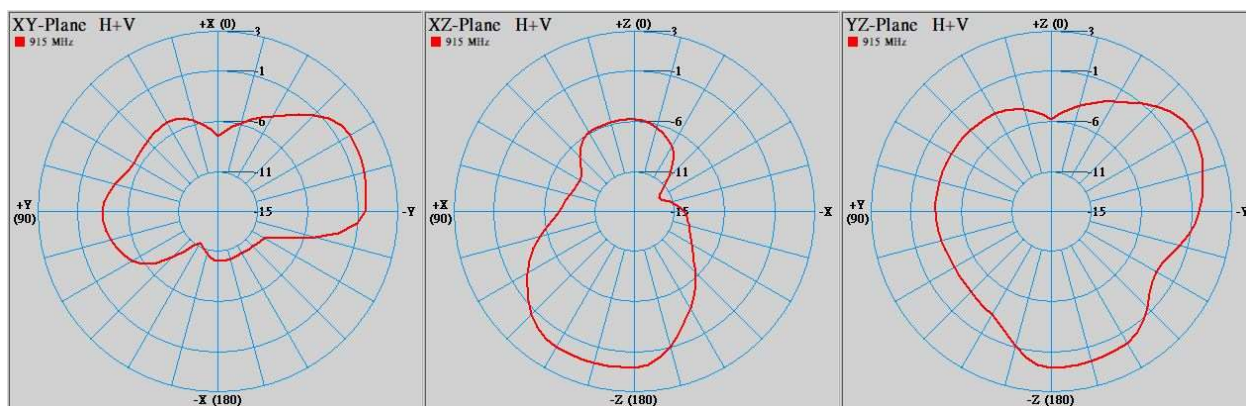
2. PASSIVE PERFORMANCE TEST

2.1 VSWR MEASUREMENT



914.2MHz

2.2 RADIATION PATTERN



914.2 MHz

2.3 AVERAGE EFFICIENCY PEAK GAIN

Frequency (MHz)	Average efficiency (%)	Average Gain (dBi)	Peak Gain (dBi)
LoRa	46.88	-3.29	1.04

2.4 3D GAIN OF FREE SPACE(AVERAGE)

Frequency (MHz)	AUGi Vision LoRa		
	Frequency (MHz)	Gain (dBi)	Efficiency %
LoRa	914.2	-3.29	46.88