



Kuribo Antenna Test Report

Senao Networks, Inc.

Customer

Verkada

Project

Kuribo

Project
Description

SubG antenna *1

Test Date

2024/06/12

Test personnel

Kenny

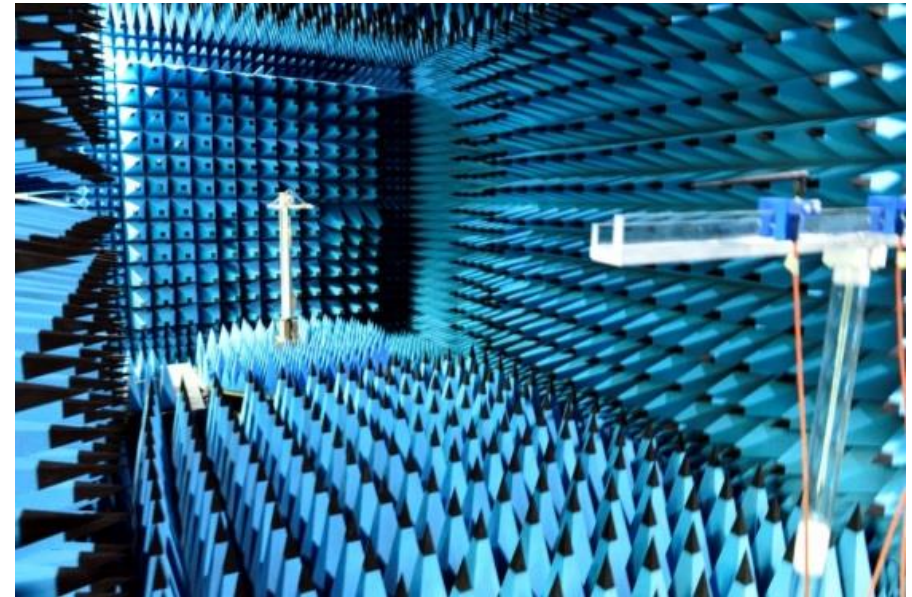
Report Version

A03

- **Agenda**
 - Antenna Development Resource
 - Antenna Testing Set Up
 - Placement and Specification
 - Return Loss
 - Radiation Pattern
 - Efficiency and Gain

3D Anechoic Chamber - BWANT

- Size: 7.32M(L)x3.66M(W)x3.66M(H)
- Testing range from 400MHz to 7GHz
- Chamber Isolation : 10KHz to 10GHz >100dB (NSA 94-106)
- Calibration antenna : BWANT SD650 /SD740 /SD900 /SD1150 /SD1575 /SD1800 /SD2140 /SD2450 /SD3200 /SD3600 /SD4550 /SD5400 /HA-0508
- Calibration date: 2023/12/01
- Test software : BWANT 3D Passive



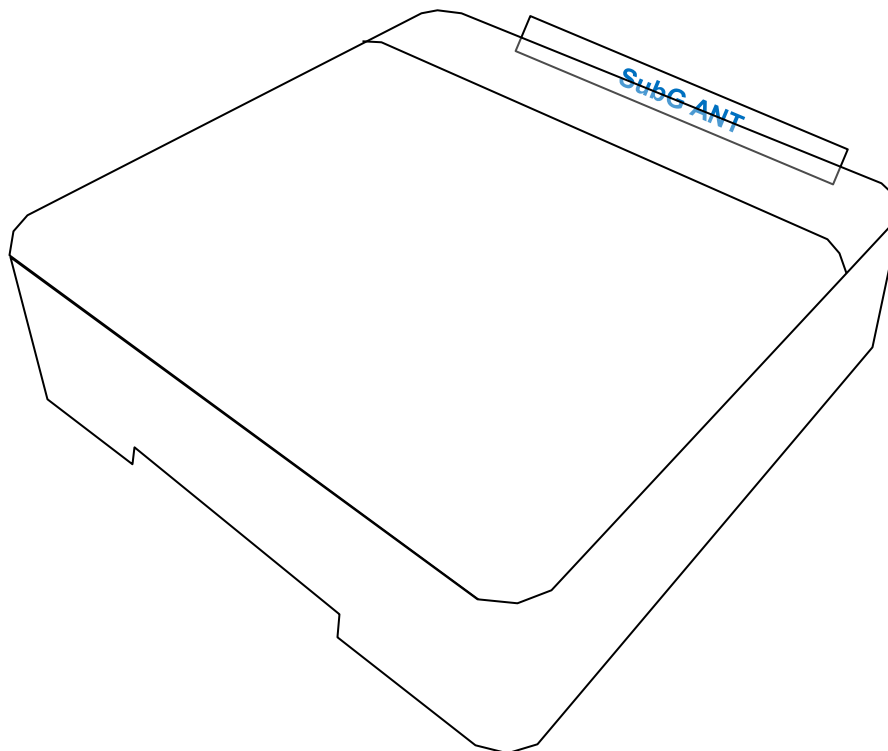
3D Anechoic Chamber



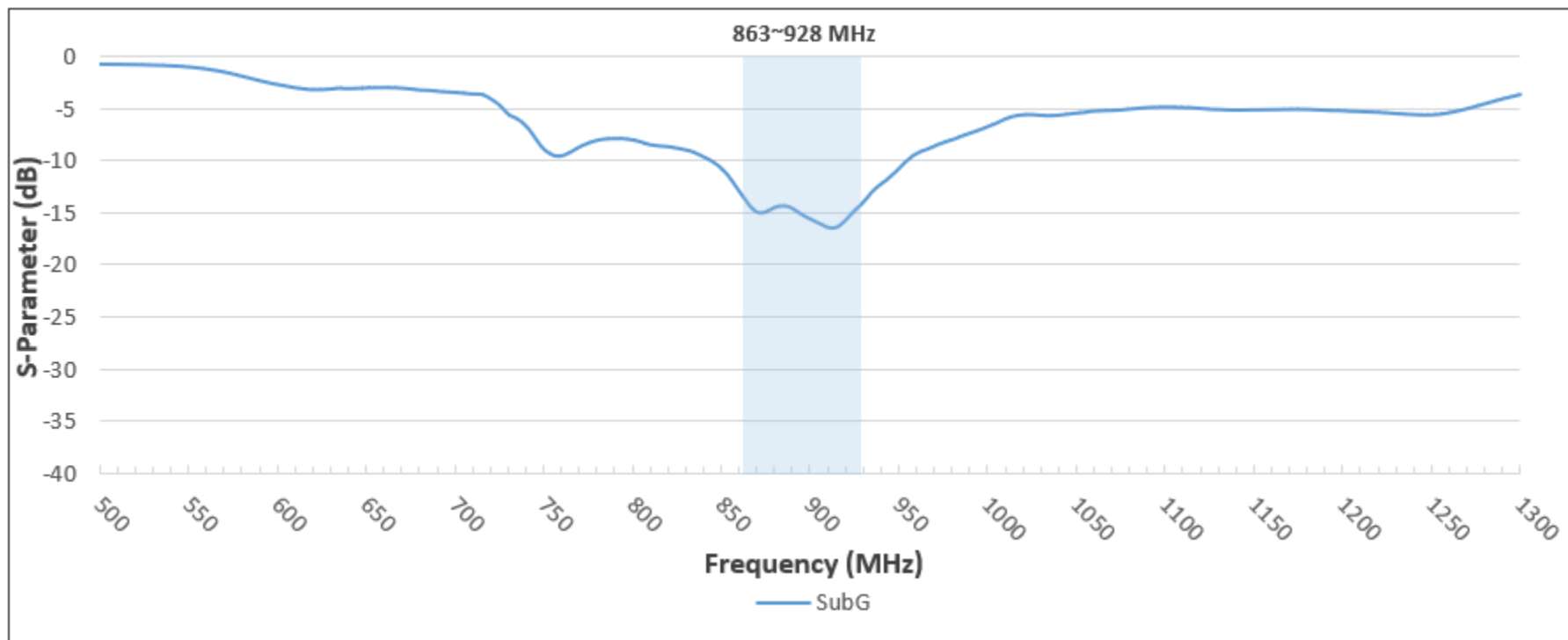
Antenna Testing Set Up

- The DUT is set up on the test fixture and the antenna is connected to the test cable to measure the antenna performance.

Placement and specification

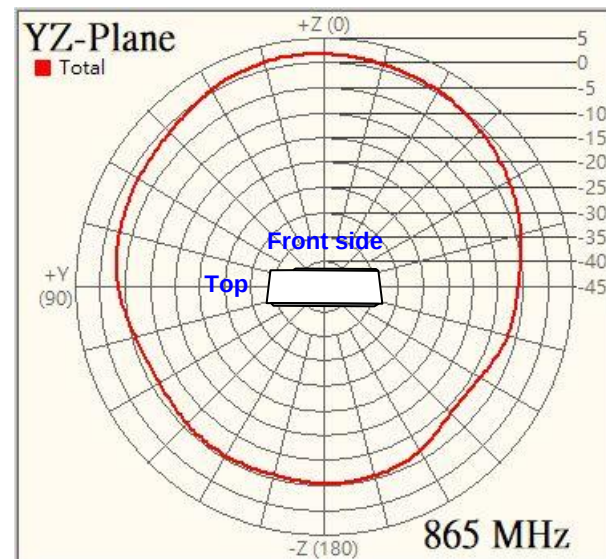
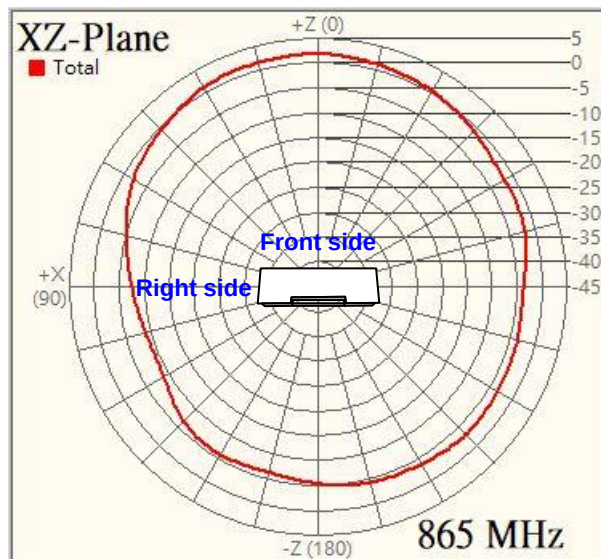
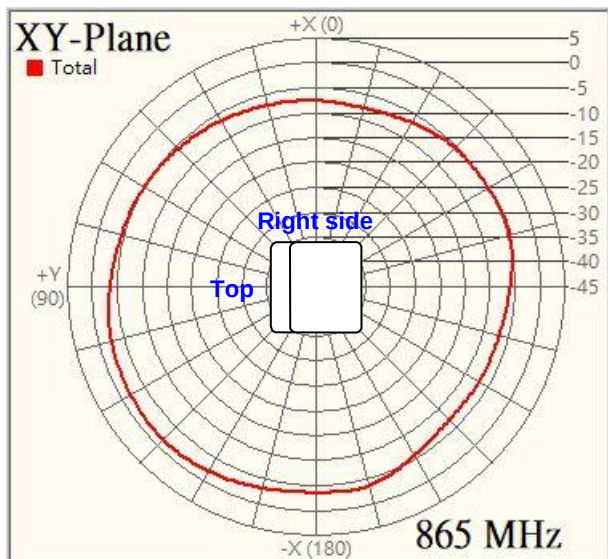
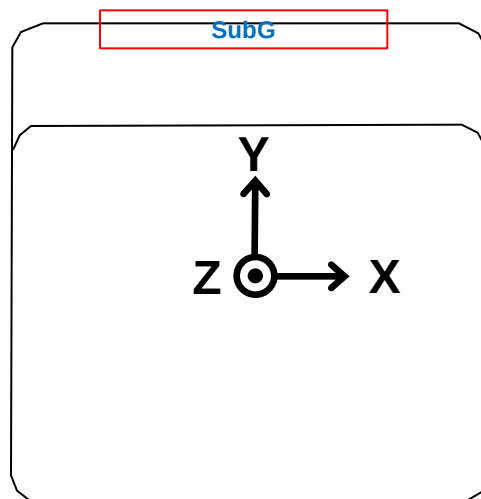
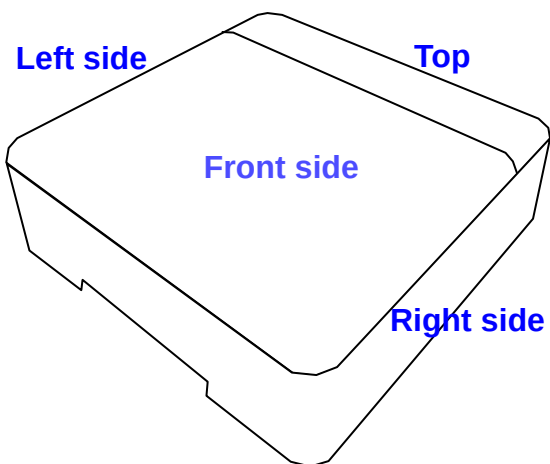


Ant No.	Brand	Antenna P/N	Operating Band	Ant Type	Material	Feeding	Dimension
SubG	Senao	7102A0938000	863MHz ~ 928MHz	Monopole	PCB	Cable	80*13*0.4 mm ³

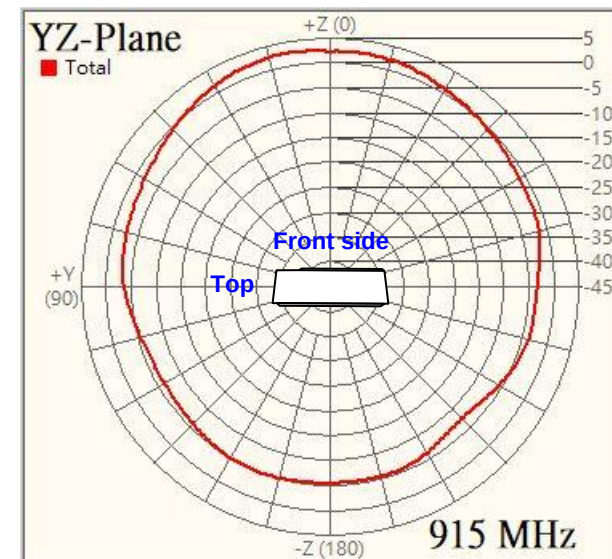
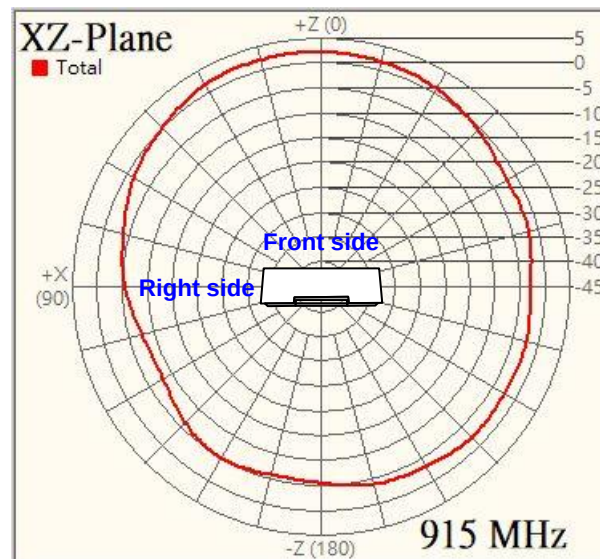
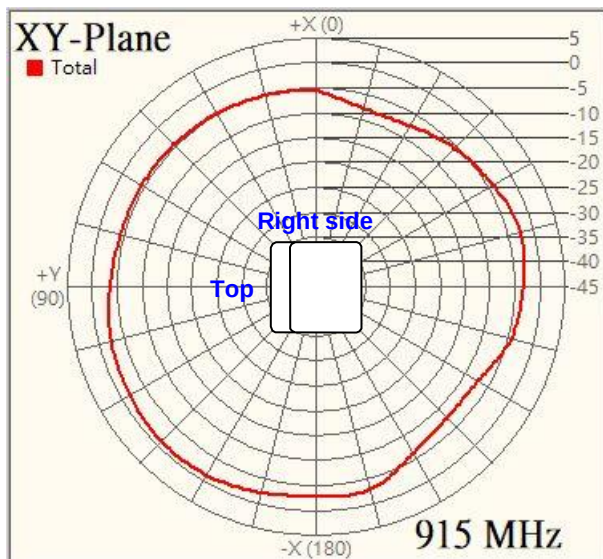
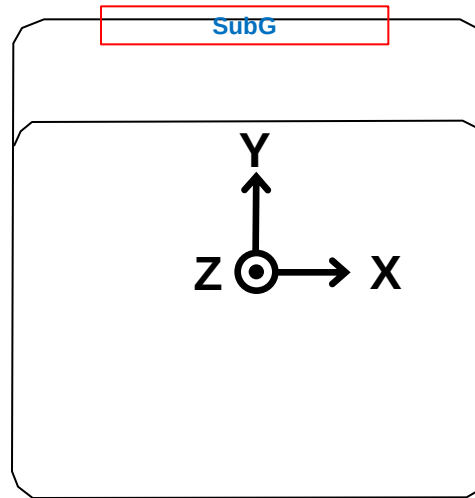
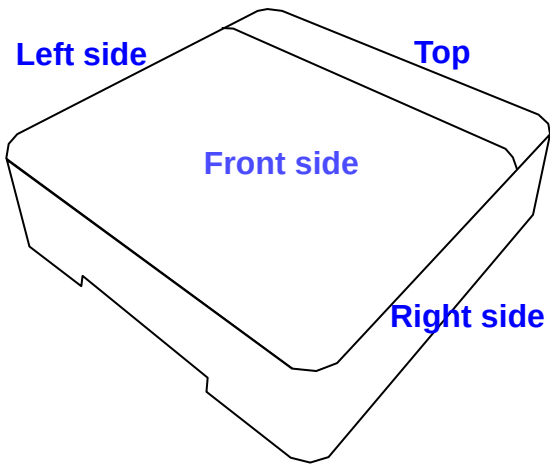


S11	
Freq. (MHz)	SubG
863	-13.52
868	-14.69
902	-15.70
928	-14.37

2D Radiation Pattern – SubG @ 865MHz



2D Radiation Pattern – SubG @ 915MHz



Antenna Performance		
Freq. (MHz)	SubG	
	Efficiency (%)	Peak Gain (dBi)
863	51.6	2.07
868	51.6	2.09
902	52.3	2.30
928	53.7	2.65