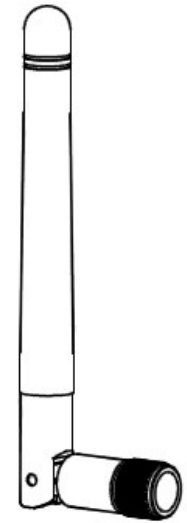
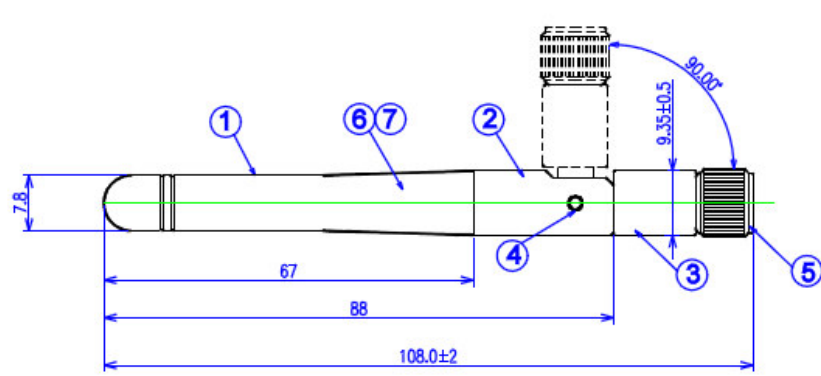


AWAN P/N	A8EEE-000003
SENAO P/N	7102A0559000

Rev.	EC#	Description	Drawn/Date	Checked/Date	Approved/Date
X1		NEW RELEASE	Roy 05/12/22'	Louis 05/12/22'	Louis 05/12/22'

Brand Name: AWAN
 Model Name: 7102A0559000
 Antenna Type: Dipole



Electrical Properties	
Frequency	2400~2500 MHz
Impedance	50 Ohm Nominal
VSWR	2.0MAX
Gain	2dBi
Polarization	-
Mechanical Properties	
CASE	TPEE
CONNECTOR	RPSMA
COLOR	Black
Operating Temp	-45 ~ +85 °C
Waterproof level	無

7	RG178 CABLE	1		Cable
6	Grounding copper pipe	1		Copper
5	SMA公頭	1		CONN
4	螺絲	2		PCB FIBRO
3	下殼	1		PC/PBT ALLOY A724
2	上殼	1		PC S2000/R
1	Antenna Cover	1		TPEE S201HA

Item	Name	Q'ty	Part #	Material / Finish
7	RG178 CABLE	1		Cable
6	Grounding copper pipe	1		Copper
5	SMA公頭	1		CONN
4	螺絲	2		PCB FIBRO
3	下殼	1		PC/PBT ALLOY A724
2	上殼	1		PC S2000/R
1	Antenna Cover	1		TPEE S201HA

Version	Drawn	Date	Checked	Date	Scale	Sheet	Part #	Series	Rev.
Created X	Roy	05/12/22'			1 : 1	1 of 1		A8EEE	A3
Design X	Roy	05/12/22'							
Check X	Louis	05/12/22'							
Appr X	Louis	05/12/22'							

AWAN
 ADVANCED WIRELESS & ANTENNA INC.

ADE-108WBB
 DIPOLE_ANT_HF

Customer Drawing
 Dep Pic: C-APP06-50-01

HALOGEN FREE





AWAN Dipole_BT Report

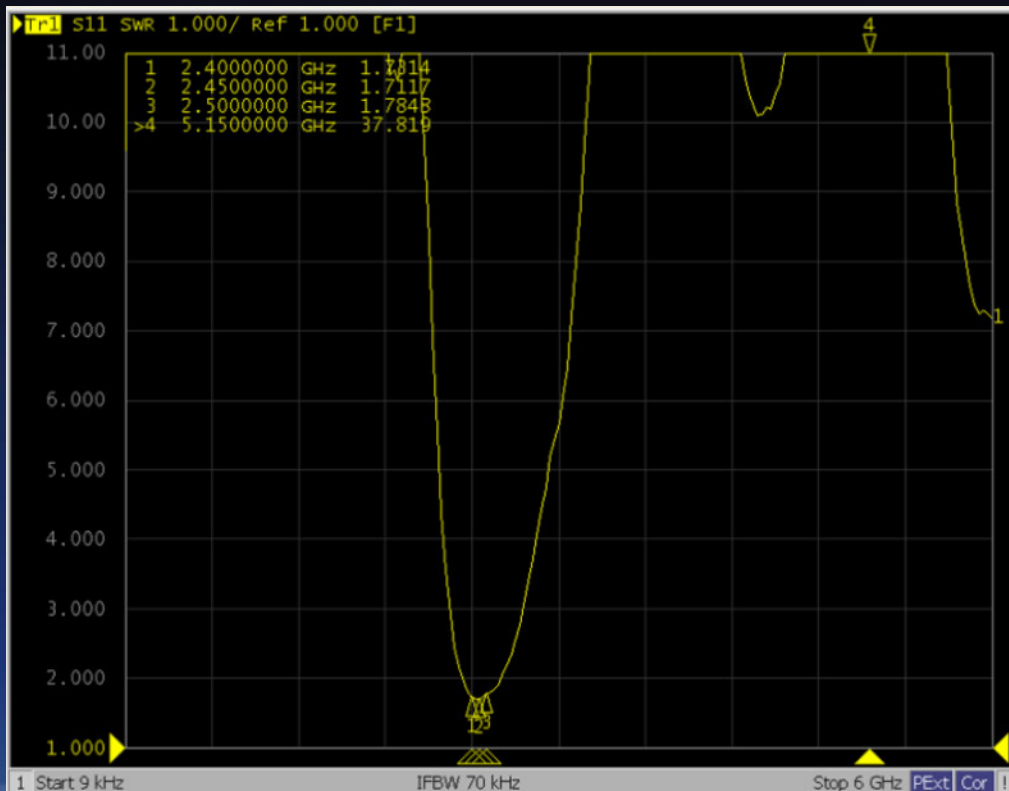
*ADVANCED WIRELESS & ANTENNA
INC.*

Antenna proposal and specification

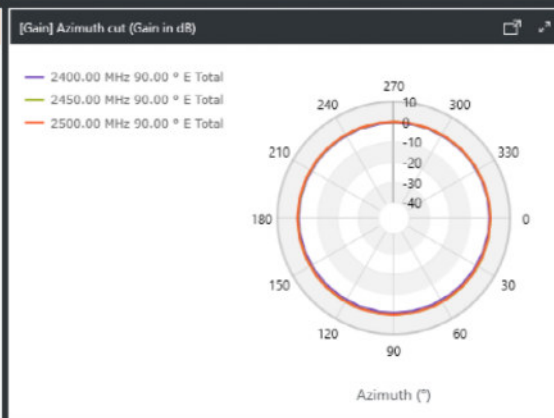
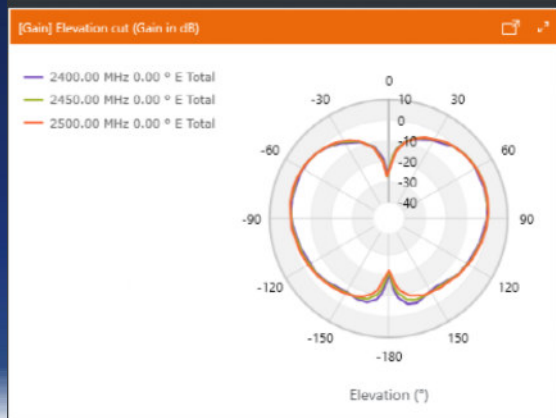
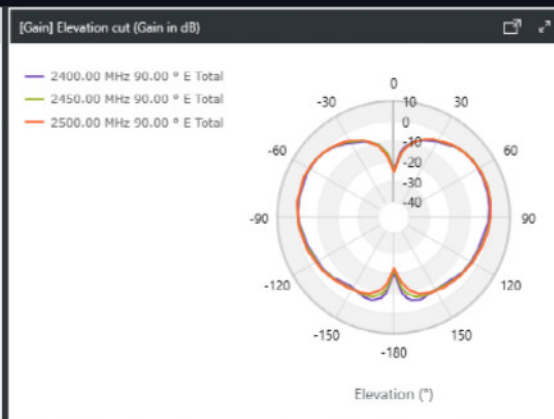
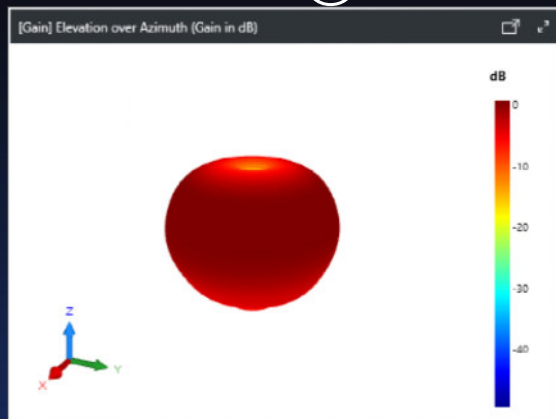


Antenna Proposal	
Antenna type	•Dipole
Measurement data	
VSWR	•VSWR < 2
Peak Gain	•2.4 ~ 2.5 G 2dBi \pm 0.5dBi
Efficiency	•2.4 ~ 2.5 G 75 ~ 80%

VSWR



2D & 3D Radiation @2GHz



EFF. & Peak Gain

Frequency (MHz)	E-total (dBi)	Efficiency (dB)	Efficiency (%)
2400	1.92	-1.96	82.9
2450	1.75	-1.78	79.62
2500	1.61	-2.10	75.61