

WiFi-7 Tri-Band Antenna

2400~2500MHz / 5150~5850MHz / 5925~7125MHz

GTT P/N: OA-W7-07-CN



✓ RF Specification

- Frequency Range: 2400~2500 MHz / 5150~5850MHz / 5925~7125 MHz
- Polarization: Linear
- HPBW / Horizontal: 360°
- HPBW / Vertical: 30°
- Peak Gain: 2.3 dBi / 5.3 dBi / 6.4 dBi max.
- VSWR: 2.0 max.:1 / 2.5 max.:1
- Power Handling: 2W(cw)
- Impedance: 50 Ohms
- Connector: N Plug

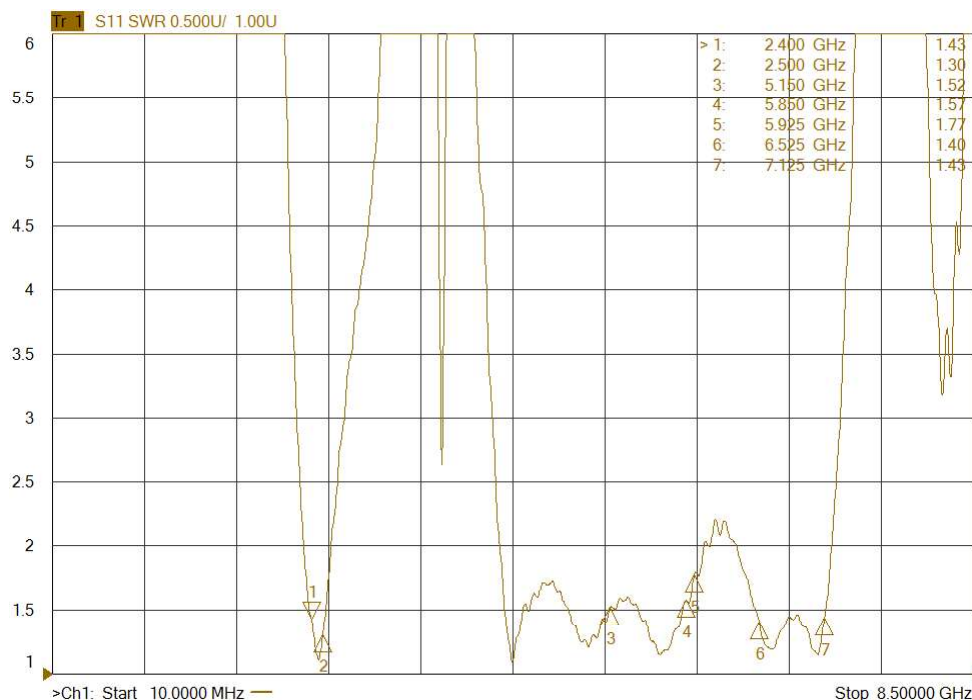
✓ Environmental & Mechanical Characteristics

- Temperature: -40°C to +70°C
- Humidity: 95% @55°C
- Antenna Housing Color: White
- Antenna Housing Material: ASA
- Weight : 60 gw
- Dimensions: 178.0(L)x22.0(W)mm

Performance Summary

VSWR

Frequency(MHz)	2400~2500	5150~5875	5925~7125
VSWR	2.0 max.:1		2.5 max.:1



Frequency (MHz)	3D		
	Efficiency	Avg. Gain	Peak Gain
2400	79%	-1.0	2.1
2450	82%	-0.9	2.3
2500	82%	-0.9	2.1
5150	69%	-1.6	4.4
5350	77%	-1.2	5.3
5500	73%	-1.4	5.2
5675	71%	-1.5	5.2
5850	65%	-1.9	4.4
5925	67%	-1.7	4.4
6085	69%	-1.6	4.6
6245	70%	-1.6	4.8
6405	66%	-1.8	4.7
6425	66%	-1.8	4.7
6465	64%	-2.0	4.7
6525	60%	-2.3	4.6
6645	64%	-1.9	5.4
6795	65%	-1.9	5.8
6875	65%	-1.8	6.0
6975	65%	-1.9	6.0
7095	67%	-1.7	6.4
7125	67%	-1.8	6.4

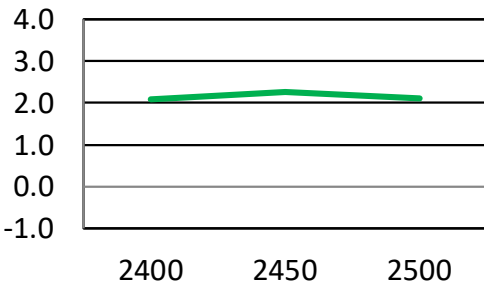
Gain Table

Peak gain

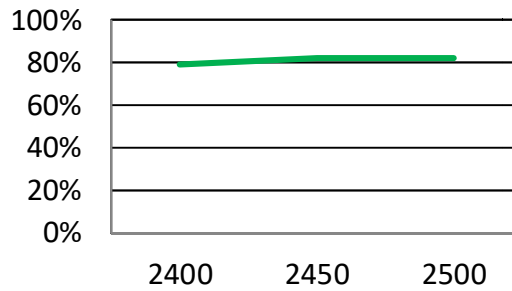
Efficiency

Avg. gain

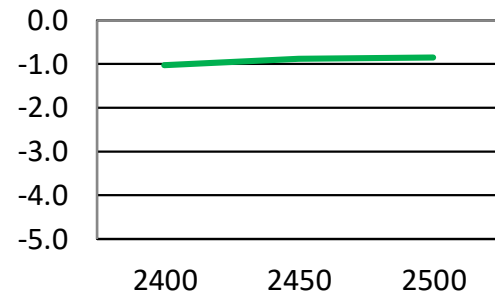
2400MHz~2500MHz



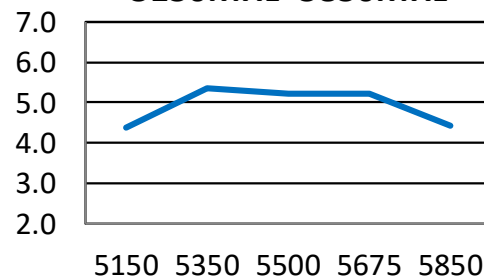
2400MHz~2500MHz



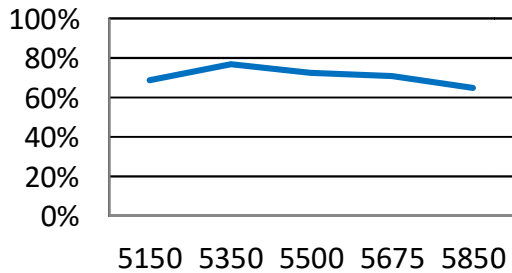
2400MHz~2500MHz



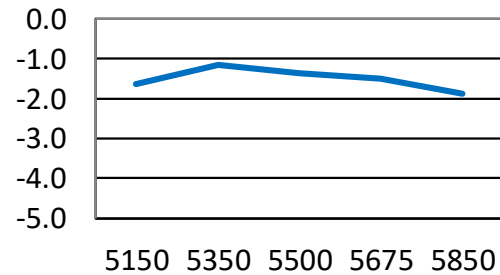
5150MHz~5850MHz



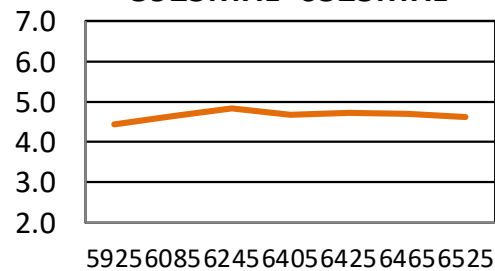
5150MHz~5850MHz



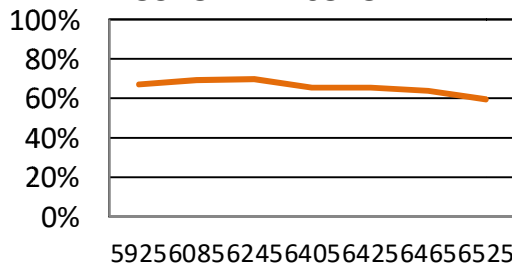
5150MHz~5850MHz



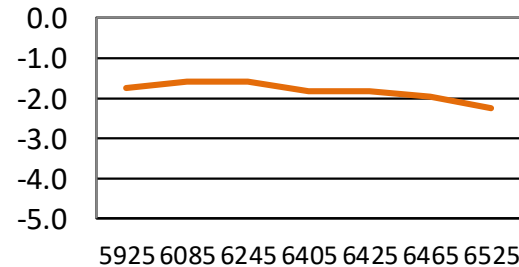
5925MHz~6525MHz



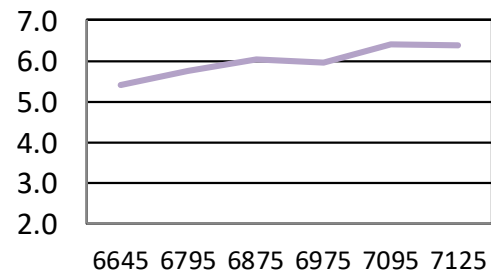
5925MHz~6525MHz



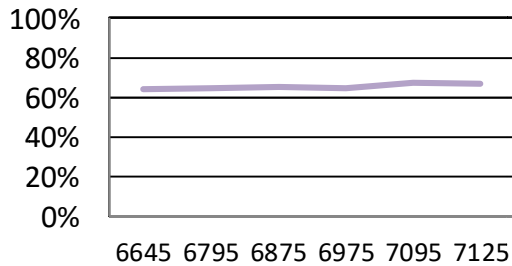
5925MHz~6525MHz



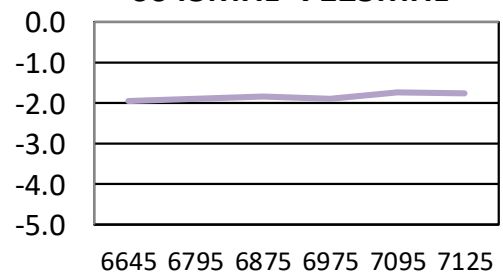
6645MHz~7125MHz



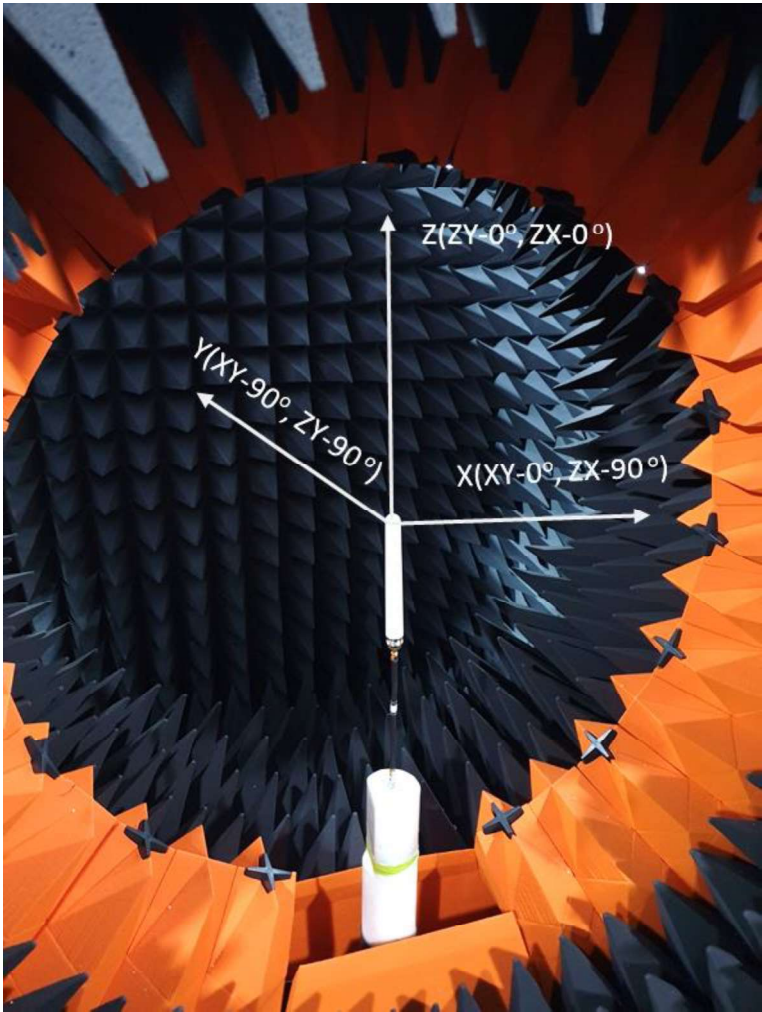
6645MHz~7125MHz



6645MHz~7125MHz



Antenna Testing Setup and Orientation

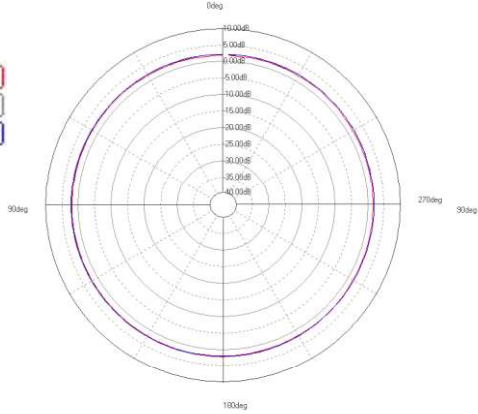


3D OTA Chamber-SATIMO Starlab® 2019

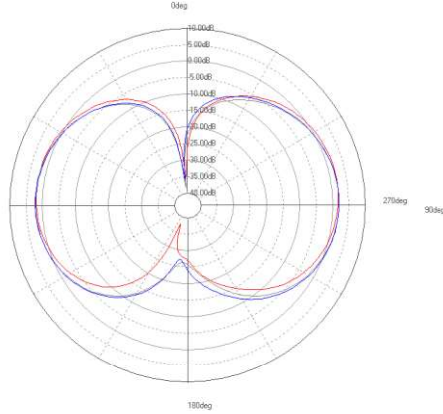


Radiation Pattern

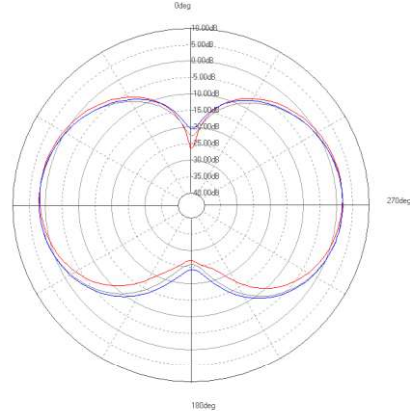
XY-plane



YZ-plane

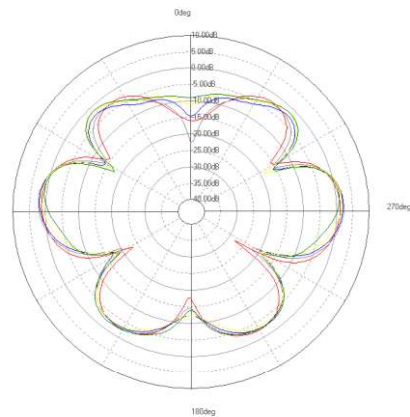
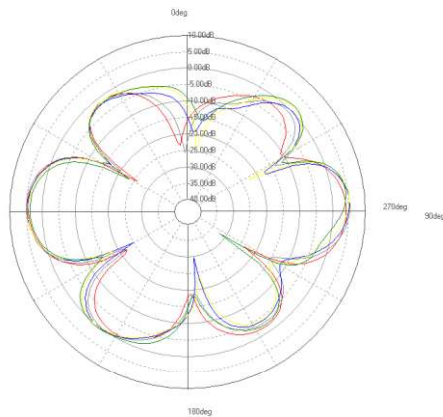
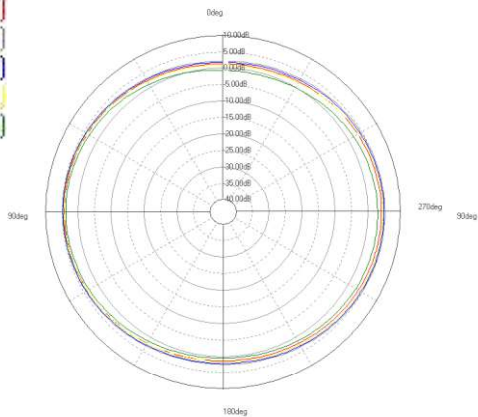


ZX-plane



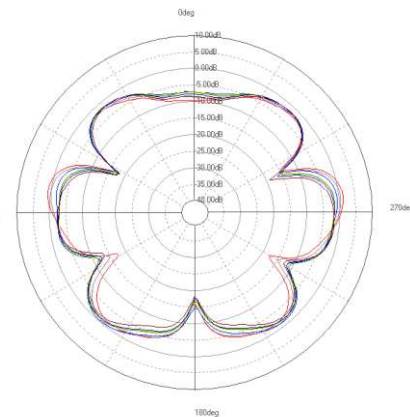
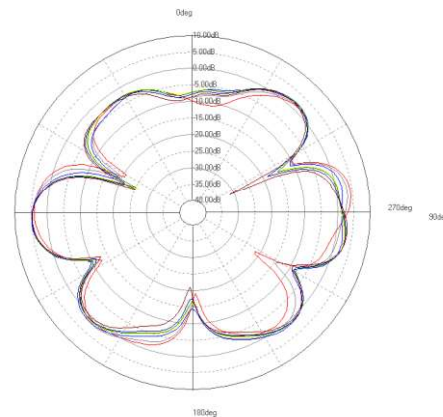
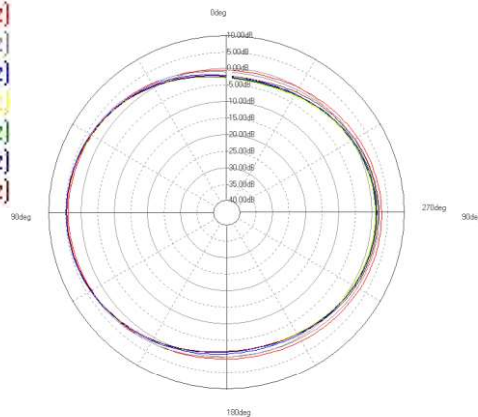
Legend

- 5150.00(MHz)
- 5325.00(MHz)
- 5500.00(MHz)
- 5575.00(MHz)
- 5850.00(MHz)



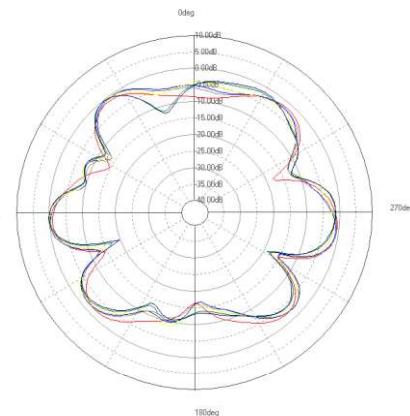
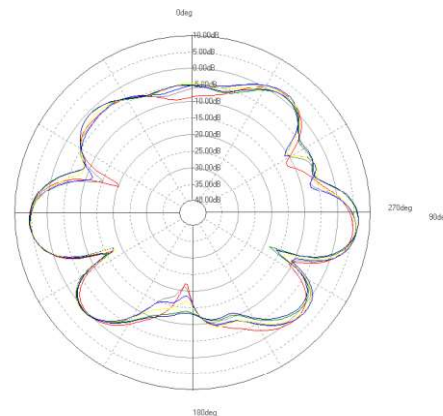
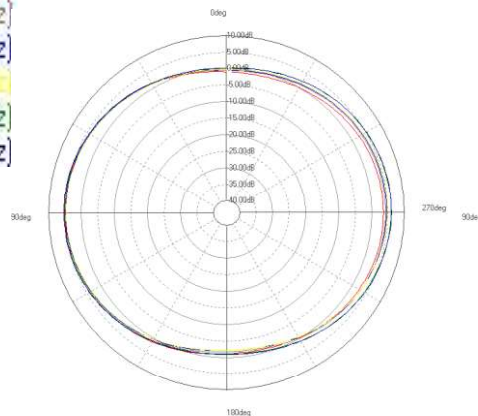
Legend

- 5925.00(MHz)
- 6085.00(MHz)
- 6245.00(MHz)
- 6405.00(MHz)
- 6425.00(MHz)
- 6465.00(MHz)
- 6525.00(MHz)

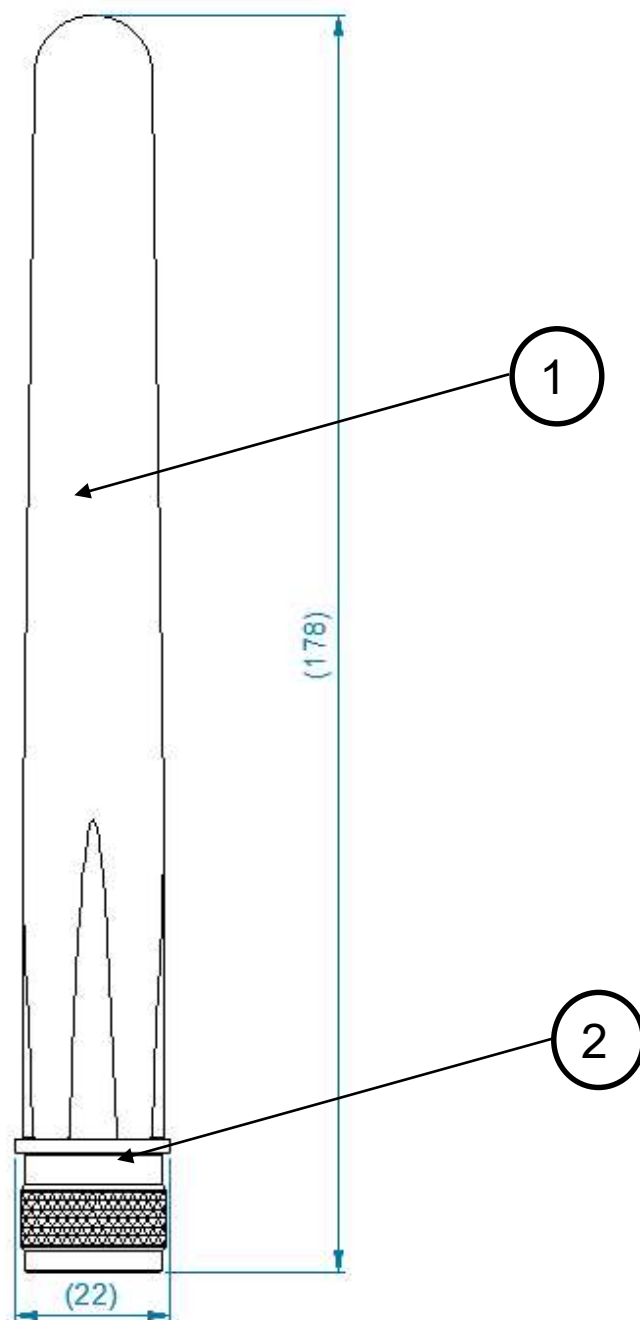


Legend

- 6645.00(MHz)
- 6795.00(MHz)
- 6875.00(MHz)
- 6975.00(MHz)
- 7095.00(MHz)
- 7125.00(MHz)



Installation Guide



1. Antenna TOP Cover, ASA UV Resistance
2. N Straight Plug