



APPROVAL SHEET

Product name

Ducky Antenna

Specifications

2.4&5.8G, RPSMA-M, 162mm

Model

LZANT-10026-A

Date Prepared

2022.10.12

Revision

1.0



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Product Specification

A. Electrical Characteristics

Frequency	2400-2500MHz	5150-5850MHz
VSWR	<2.0	<2.3
Efficiency	≈70%	≈60%
Peak Gain	4dBi	5dBi
Impedance	50 Ohm	50 Ohm
Polarization	Linear	Linear

B. Material & Mechanical

Connector Type	RPSMA-M
Dimension	162mm ± 2mm
Color	Black
Weight	0.020kg

C. Environmental

Operation Temperature	- 40°C ~ +80 °C
Storage Temperature	- 45°C ~ +85 °C

D. Photo



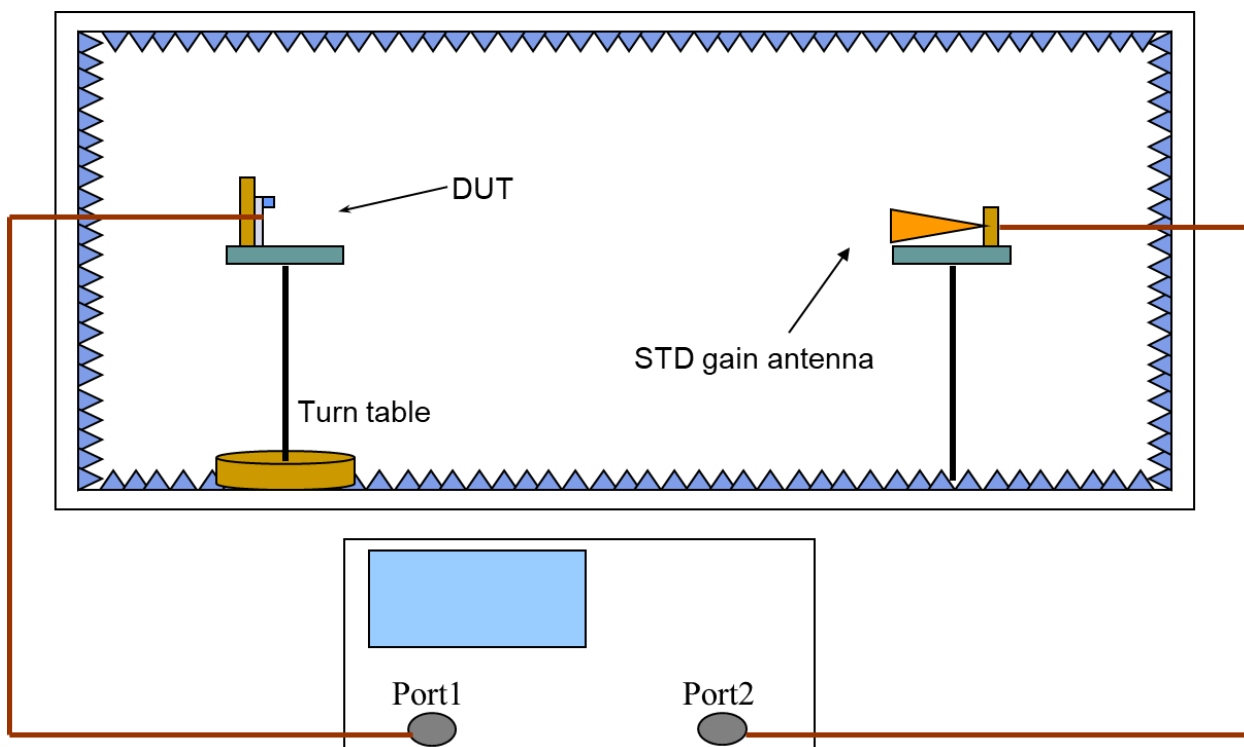
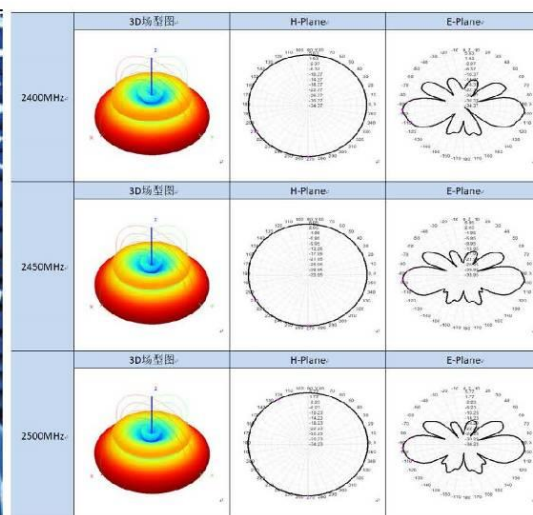
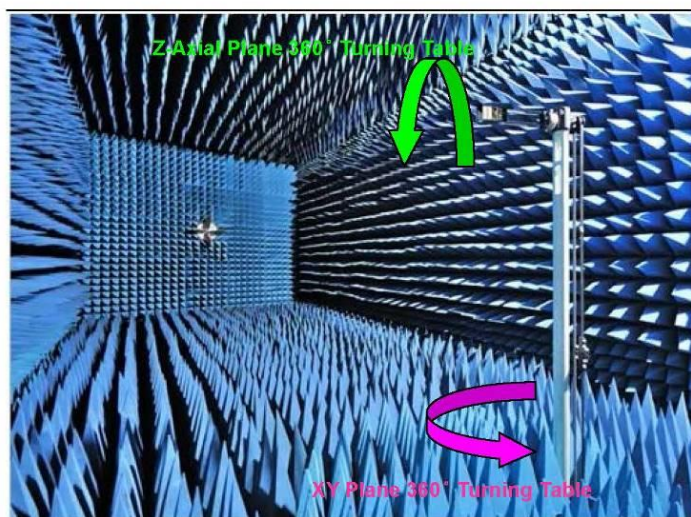
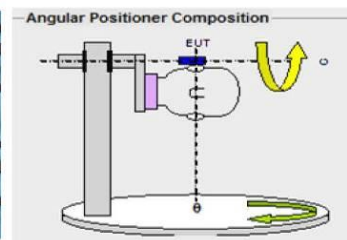
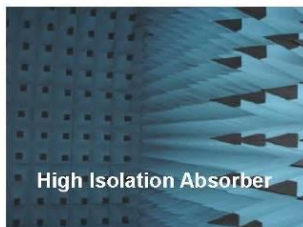


Test Equipment & Conditions

1、 Network Analyzers : Keysight E5071C

2、 3D Chamber Test System

.Chamber Size: 9 x 5 x 4 m³
.Freq. Range: 0.4 ~ 18.0 GHz
.Double Ridge Horn Antenna
.VNA: Agilent E5071C
.3D Turning Table and Positioner
.ADT Solution 3D Testing Software



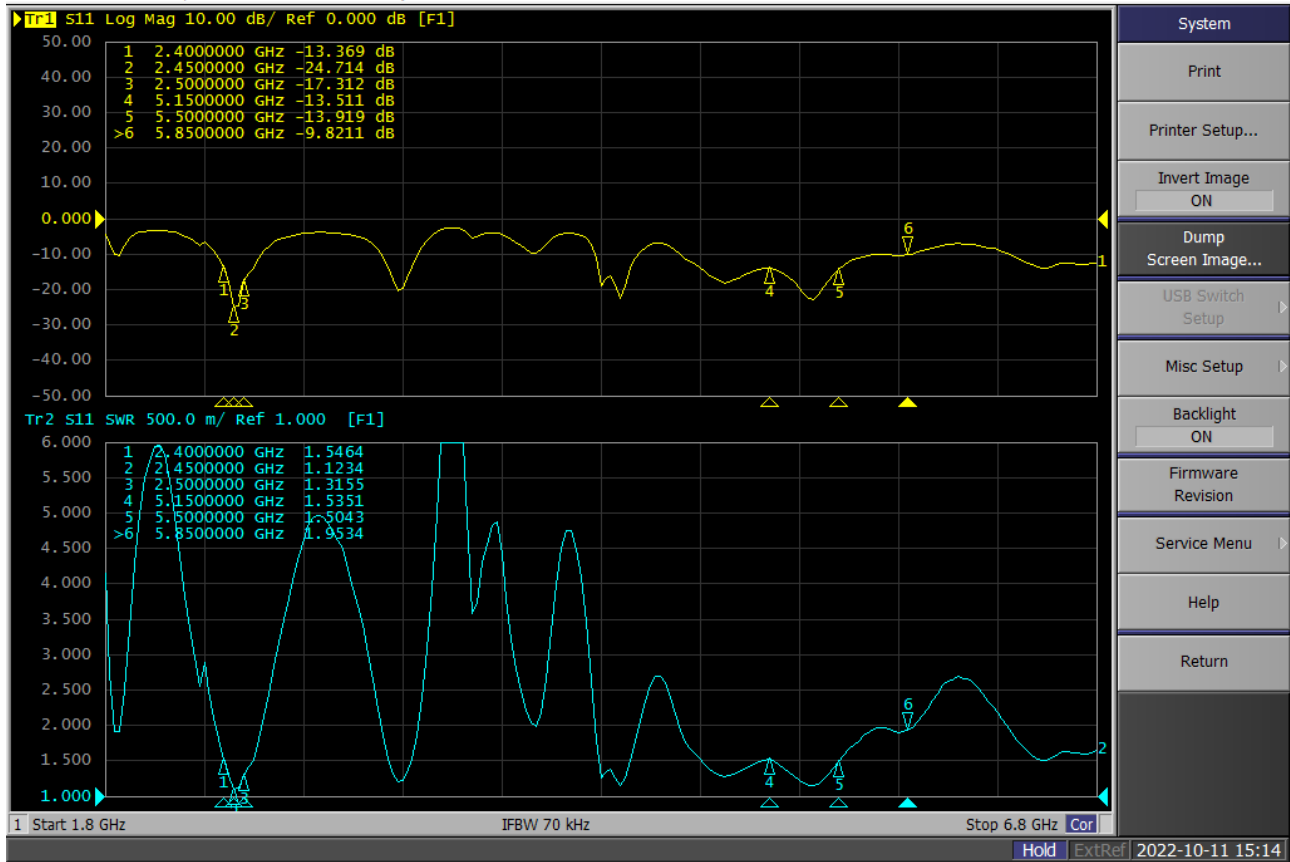


VSWR

E5063A Network Analyzer

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

Resize

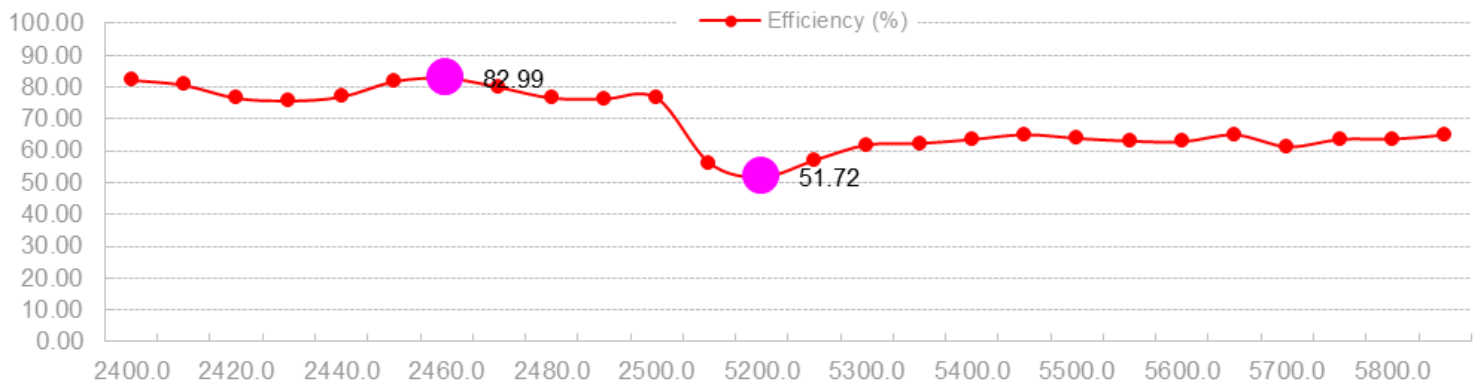




Total Efficiency& Gain:

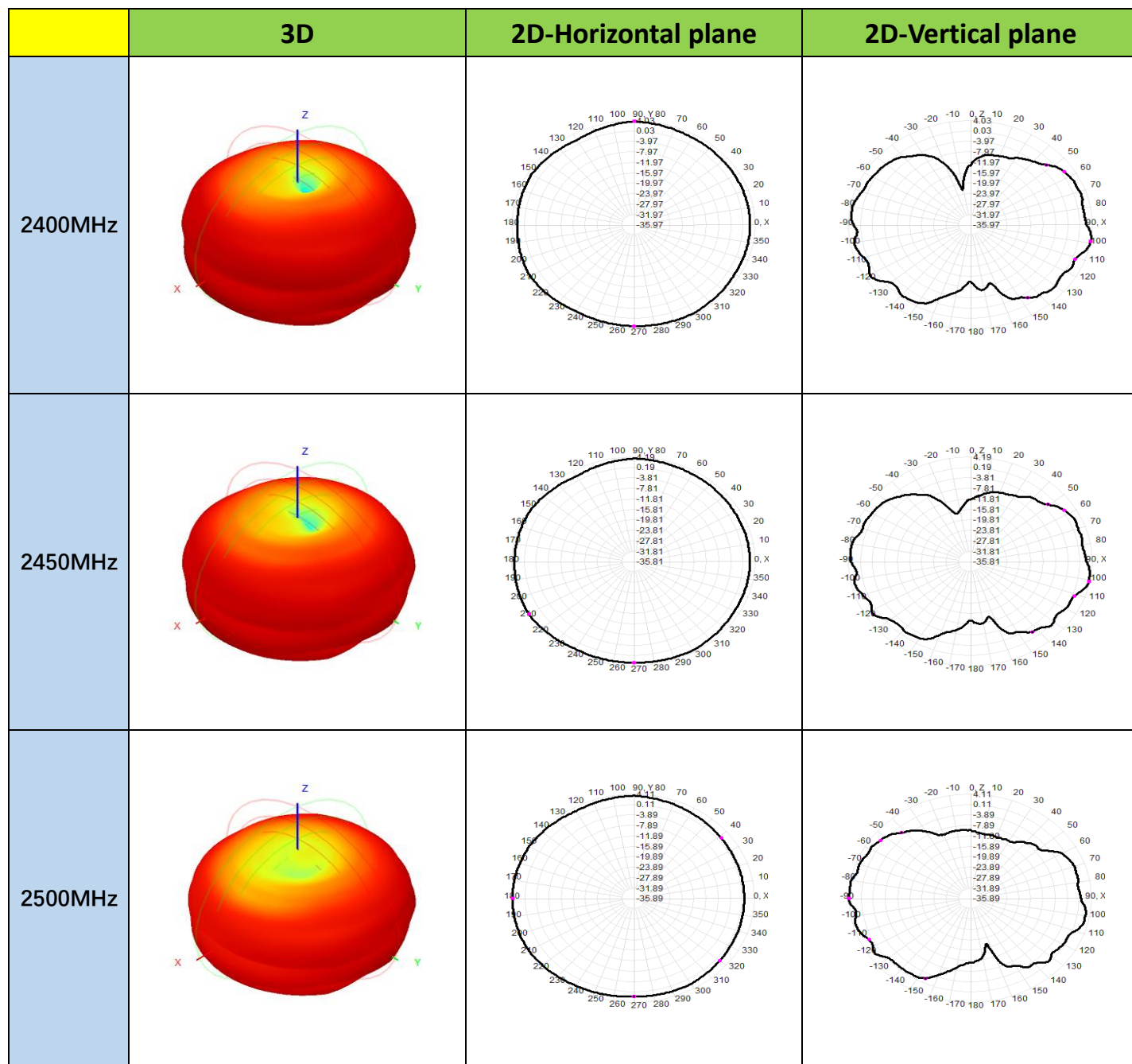
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Gain (dBi)	4.03	3.90	3.74	3.85	4.00	4.25	4.23	4.09	4.10	4.28	4.27
Efficiency (%)	82.39	80.78	76.67	75.78	77.08	81.95	82.99	80.12	76.72	76.47	76.68

Frequency (MHz)	5150	5200	5250	5300	5350	5400	5450	5500	5550	5600	5650	5700	5750	5800	5850
Gain (dBi)	4.11	4.73	4.38	4.93	4.97	4.10	4.69	4.73	4.52	4.21	4.33	4.11	4.22	4.05	4.11
Efficiency (%)	56.15	51.72	57.05	61.91	62.36	63.62	65.13	63.95	63.05	62.89	65.07	61.28	63.66	63.70	65.08





Field diagram





Field diagram

