



OTA TEST REPORT

Applicant PETKIT Network Technology
 (Shanghai) Co., Ltd.

Product PETKIT YUMSHARE DUAL-HOPPER WITH CAMERA

Model P571

Report No. Y2210A1061-T1

Issue Date November 2, 2022

TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **ANSI/IEEE Std 149-2008**. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Prepared by: Xu Ying

Approved by: Xu Kai

TA Technology (Shanghai) Co., Ltd.

Building 3, No.145, Jintang Rd, Pudong Shanghai, P.R.China

TEL: +86-021-50791141/2/3

FAX: +86-021-50791141/2/3-8000



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1. Test Laboratory

1.1. Notes of the Test Report

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1.2. Test facility

A2LA (Certificate Number: 3857.01)

TA Technology (Shanghai) Co., Ltd. has been listed by American Association for Laboratory Accreditation to perform measurement.

1.3. Testing Location

Company: TA Technology (Shanghai) Co., Ltd.
Address: Building 3, No.145, Jintang Rd, Pudong Shanghai, P.R.China
City: Shanghai
Post code: 201201
Country: P. R. China
Contact: Xu Kai
Telephone: +86-021-50791141/2/3
Fax: +86-021-50791141/2/3-8000
Website: <http://www.ta-shanghai.com>
E-mail: xukai@ta-shanghai.com



1.4. Laboratory Environment

Temperature	Min. =19°C, Max. = 25°C	
Relative humidity	Min. =40%, Max. =72%	
Shield effect	0.7-6GHz	> 100dB
Ground resistance	<0.5Ω	

2. General Description of Equipment under Test

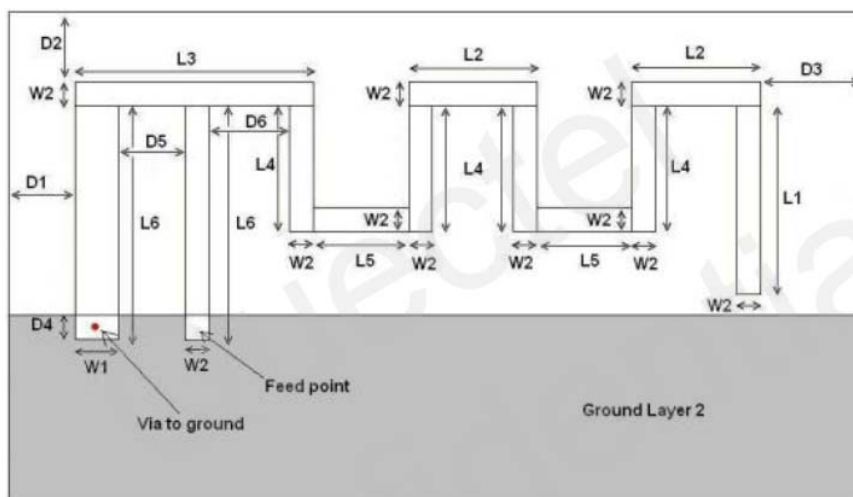
2.1. Applicant and Manufacturer Information

Applicant Name	PETKIT Network Technology (Shanghai) Co., Ltd.
Applicant address	Room 4139, Building 2, 588 Zixing Road, Minhang District, Shanghai
Manufacturer Name	PETKIT Network Technology (Shanghai) Co., Ltd.
Manufacturer address	Room 4139, Building 2, 588 Zixing Road, Minhang District, Shanghai

2.2. General information

EUT Description	
Product Name	PETKIT YUMSHARE DUAL-HOPPER WITH CAMERA
Model	P571
HW Version	/
SW Version	/
Antenna Type	PCB Antenna
Antenna Manufacturer	PETKIT Network Technology (Shanghai) Co., Ltd.
Test Frequency	2400MHz ~ 2530MHz
Note: The EUT is sent from the applicant to TA and the information of the EUT is declared by the applicant. All indications of Pass/Fail in this report are opinions expressed by TA Technology (Shanghai) Co., Ltd. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only.	

2.3. Antenna Size



L1	3.94 mm
L2	2.70 mm
L3	5.00 mm
L4	2.64 mm
L5	2.00 mm
L6	4.90 mm
W1	0.90 mm
W2	0.50 mm
D1	0.50 mm
D2	0.30 mm
D3	0.30 mm
D4	0.50 mm
D5	1.40mm
D6	1.70 mm

2.4. Test Date

The test is performed from November 28, 2022.

2.5. Received Date

The sample was received on November 28, 2022.



2.6. Applied Standards

According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

Test Method: **ANSI/IEEE Std 149-2008**



3. Test Conditions

3.1. Test Configuration

Great-Circle-Cut method is used to measure the antenna 3D GAIN of EUT in OTA qualified anechoic chamber. Equipment Under Test (EUT) geometry centre vertical projection at the centre of platform, the distance from EUT to measurement antenna is 5m.

3.2. Test Measurement

Spherical coordinate system

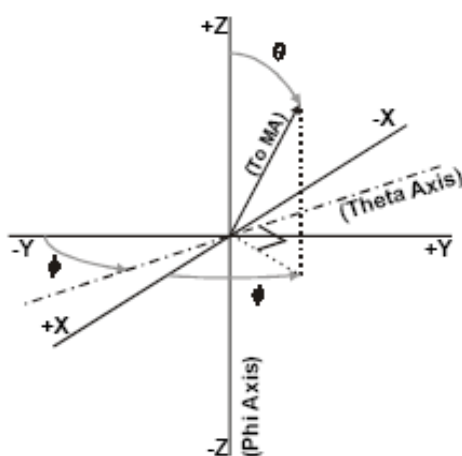
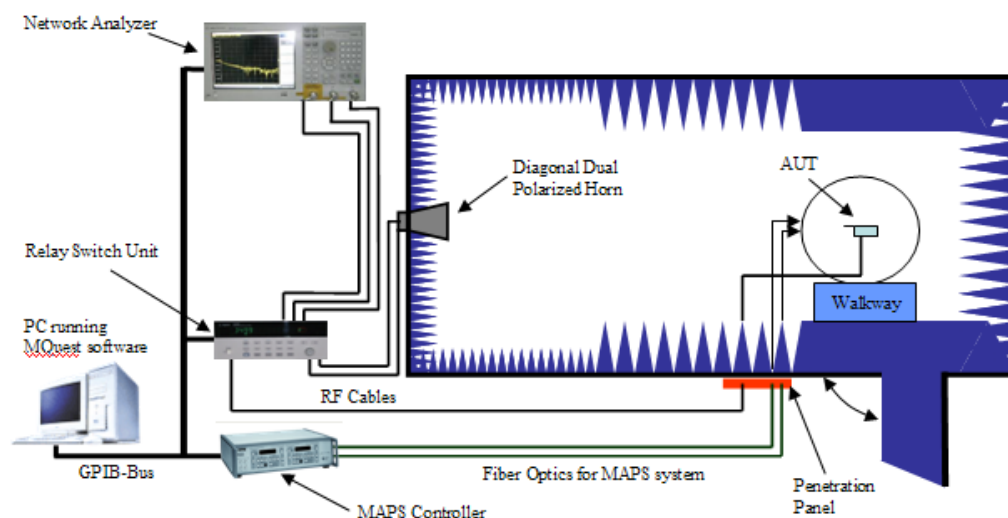


Figure 1 Test coordinate system

Note: Theta is from 0~180 degree. Phi is from 0~360. Rotate the EUT and record the Data, the step of rotation is 15 degree.

Test Setup



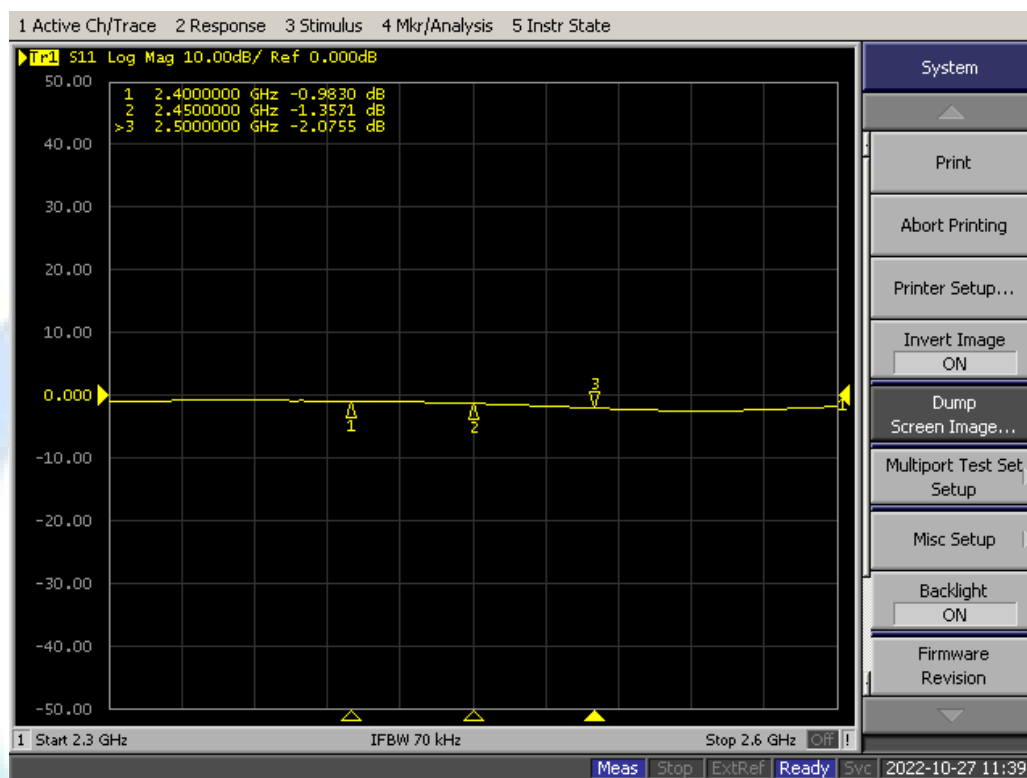
4. Test Results

4.1. Gain and Efficiency

Test State	Frequency (MHz)	Efficiency (dB)	Efficiency (%)	Gain (dBi)	Note
Free Space	2400	-10.78	8.35	-6.65	15°
	2410	-10.77	8.37	-6.83	
	2420	-10.48	8.96	-6.57	
	2430	-10.35	9.22	-6.17	
	2440	-10.30	9.34	-6.42	
	2450	-10.24	9.47	-5.82	
	2460	-10.24	9.46	-6.15	
	2470	-10.10	9.77	-6.06	
	2480	-10.09	9.80	-5.45	
	2490	-10.02	9.95	-5.60	
	2500	-10.09	9.80	-5.64	
	2510	-10.30	9.33	-6.02	
	2520	-10.44	9.04	-6.26	
	2530	-10.52	8.86	-6.07	



4.2. Antenna S11



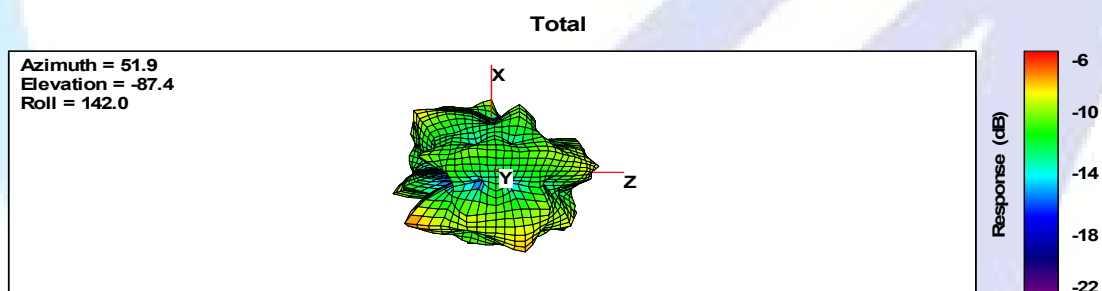
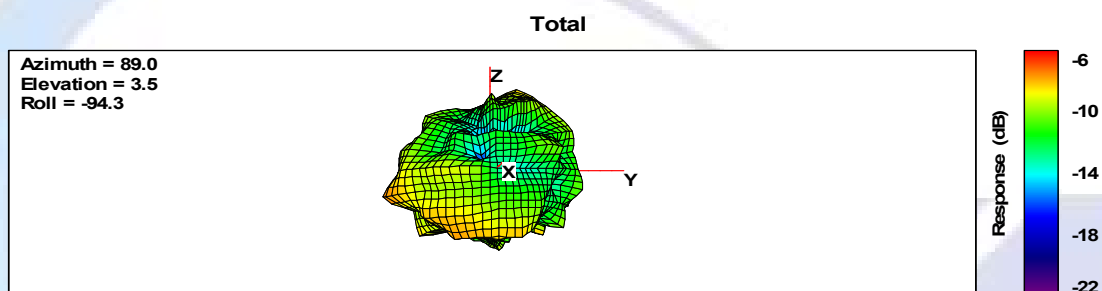
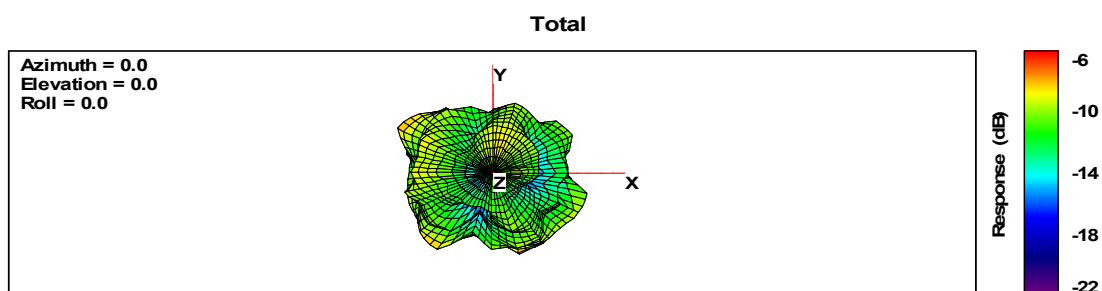
Frequency (MHz)	2400	2450	2500
S11(dB)	-0.98	-1.36	-2.08



5. Equipment List

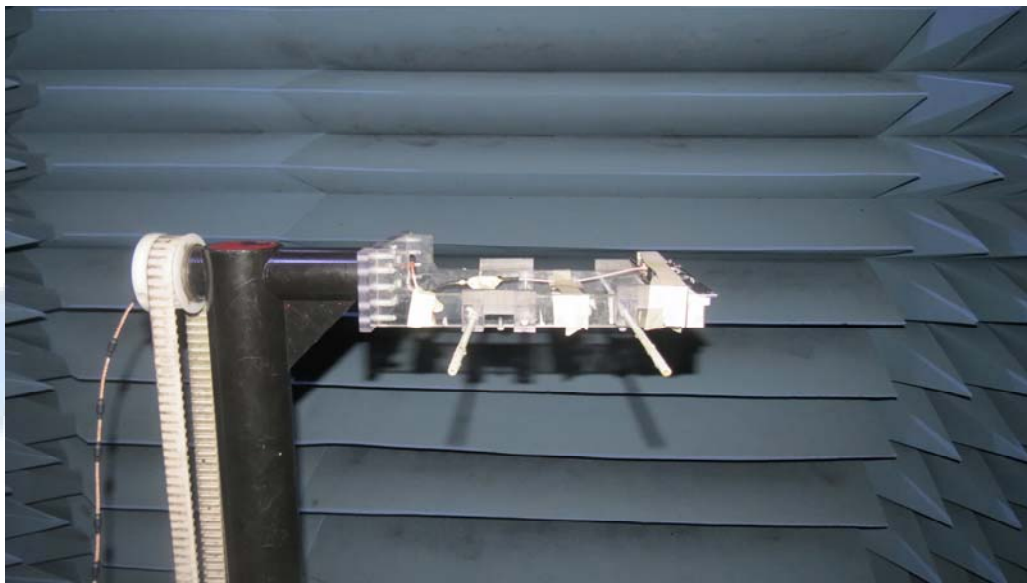
Type of Equipment	Manufacture	Model Number	S/N	Calibration Date	Expiration Time
Anechoic Chamber	ETS	AMS-8500	CT-001157-1219	2020-05-17	2025-05-16
EMCenter_Switch Control System	ETS	7006/7001	00059957/M Y42001152	-	-
Diagonal Dual Polarized Horn	ETS	ETS 3164-04	00062743	2020-04-14	2025-04-13
Network Analyzer	Keysight	E5071B	MY42404014	2022-05-14	2023-05-13
Test Software	ETS	EMQuest™	REV 1.0.9	-	-

ANNEX A: 3-D Pattern Plots



2400M-2530M 3D GAIN

ANNEX B: The Test Configuration



Picture 1 Test Setup

*****END OF REPORT *****