

Antenna Test Report

Report No.: AGC12849240702PA01

PRODUCT DESIGNATION: Antenna

BRAND NAME : N/A

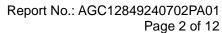
MODEL NAME : 2TTX00101

APPLICANT : Dellking Industrial Co., Ltd

DATE OF ISSUE : Aug. 06, 2024

REPORT VERSION : V1.0

Attestation of Global Compliance (Shenzhen) Co., Ltd





Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Aug. 06, 2024	Valid	Initial release

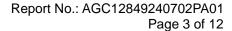




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1. PRODUCT INFORMATON

General information				
Applicant	Dellking Industrial Co., Ltd			
Address	4 / F, building 8, phase I, Lianchuang Science Park, Bulan Road, Longgang District, Shenzhen, China			
Manufacturer	Dellking Industrial Co., Ltd			
Address	4 / F, building 8, phase I, Lianchuang Science Park, Bulan Road, Longgang District, Shenzhen, China			
Factory	Dellking Industrial Co., Ltd			
Address	4 / F, building 8, phase I, Lianchuang Science Park, Bulan Road, Longgang District, Shenzhen, China			
Product Designation	Antenna			
Brand Name	N/A			
Test Model	2TTX00101			
Series Model	N/A			
Difference Description	N/A			
Date of receipt of test item	Jul. 30, 2024			
Date of test	Jul. 30, 2024 to Aug. 06, 2024			
Report Template	AGCRT-ER-PA/V1.0			
	Technical information			
Frequency Range	2400-2500MHz			
Test Frequencies	2400MHz, 2410MHz, 2420MHz, 2430MHz, 2440MHz, 2450MHz, 2460MHz, 2470MHz, 2480MHz, 2490MHz, 2500MHz			
Antenna Type	Wired antenna			
Dimensions	0.9mm*28mm			
Impedance	50Ω			
Maximum test values	Gain: 5.004dBi; Efficiency: 73.429%; VSWR: 1.093:1			

Note: The test results of this report relate only to the tested sample identified in this report.

Prepared By	Bibo zhang	
	Bibo Zhang (Project Engineer)	Aug. 06, 2024
Reviewed By	Calin Liu	
	Calvin Liu (Reviewer)	Aug. 06, 2024
Approved By	Max Zhang	
	Max Zhang Authorized Officer	Aug. 06, 2024



2. TEST FACILITY

Test Site	Attestation of Global Compliance (Shenzhen) Co., Ltd
Location	1-2/F, Building 19, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

3. TEST EQUIPMENT LIST

Equipment	Manufacturer	Model	Cal. Date	Cal. Due
ANTENNA MEASUREMENT SYSTEM	ETS-Lindgren	AMS-8600	Nov. 28, 2023	Nov. 27, 2024
Network Analyzer	R&S	ZVL-6	Sep. 21, 2023	Sep. 20, 2024
Test software	ETS-Lindgren	EMQuest (Ver V1.12)	Ver V1.12	N/A

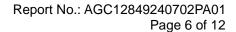
4. MEASUREMENT UNCERTAINTY

The uncertainty is calculated using the methods suggested in the "Guide to the Expression of Uncertainty in measurement" (GUM) published by CISPR and ANSI.

- Uncertainty of VSWR, Uc = ±1.5dB
- Uncertainty of Gain, Uc = ±0.8dB

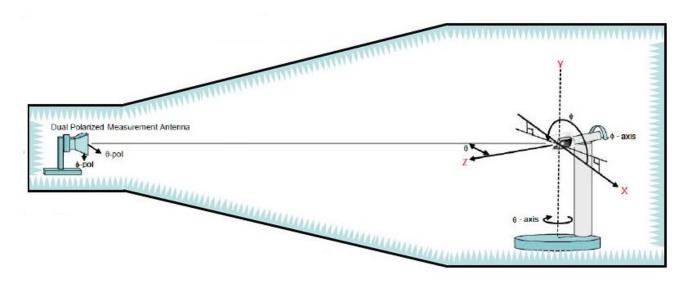
5. TEST SUMMARY LIST

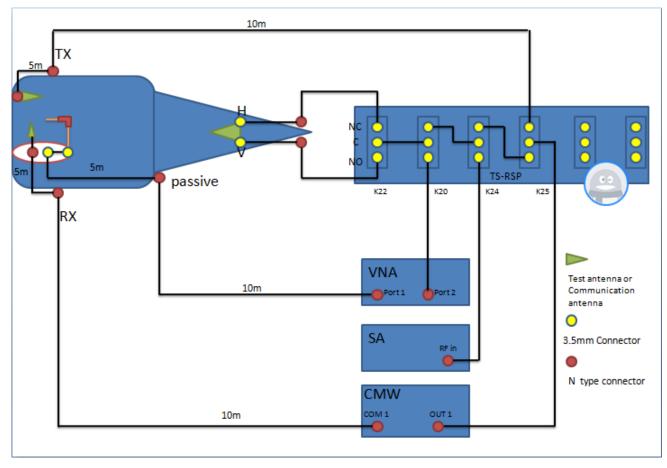
NO.	Test item	Remark
1	VSWR	
2	Gain and efficiency	
3	Radiation pattern	





6. TEST SETUP



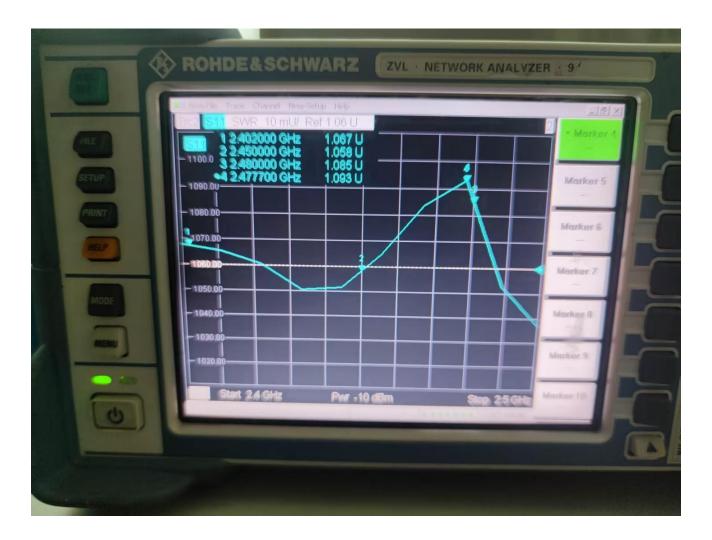


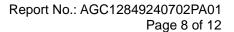


7. TEST RESULTS

7.1. **VSWR**

Frequency(MHz)	VSWR
2402	1.067:1
2450	1.058:1
2478	1.093:1
2480	1.085:1

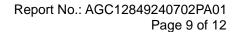






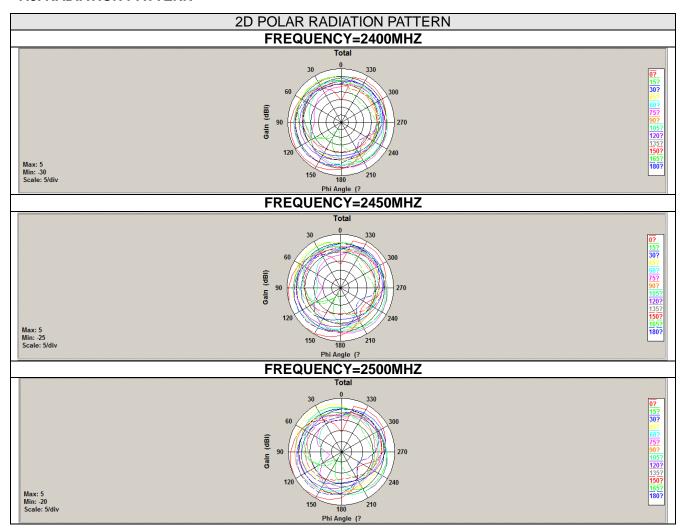
7.2. GAIN AND EFFICIENCY

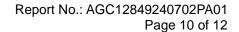
Frequency(MHz)	Efficiency(dB)	Efficiency(%)	Gain(dBi)
2400	-3.209	47.768	3.950
2410	-3.214	47.713	4.166
2420	-3.138	48.550	4.326
2430	-2.622	54.681	4.691
2440	-2.258	59.460	4.849
2450	-2.027	62.711	4.893
2460	-1.852	65.281	4.890
2470	-1.837	65.507	4.766
2480	-1.528	70.335	5.004
2490	-1.458	71.475	4.869
2500	-1.341	73.429	4.666



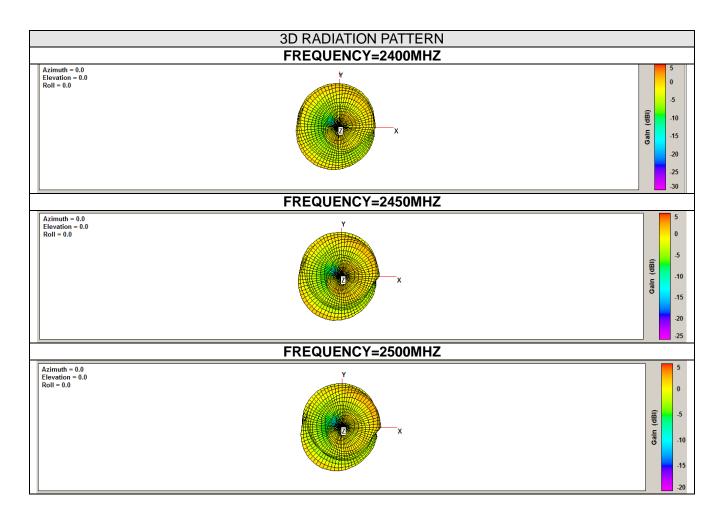


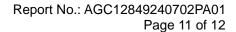
7.3. RADIATION PATTERN





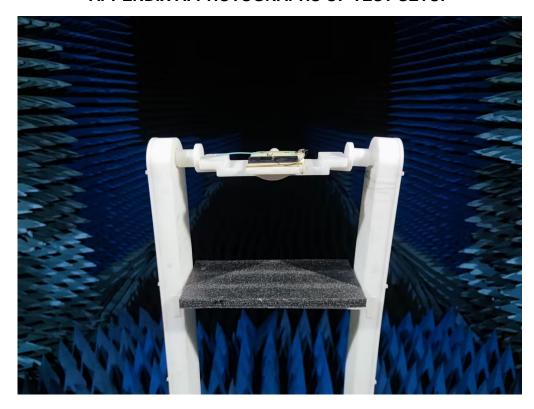


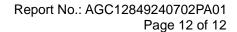






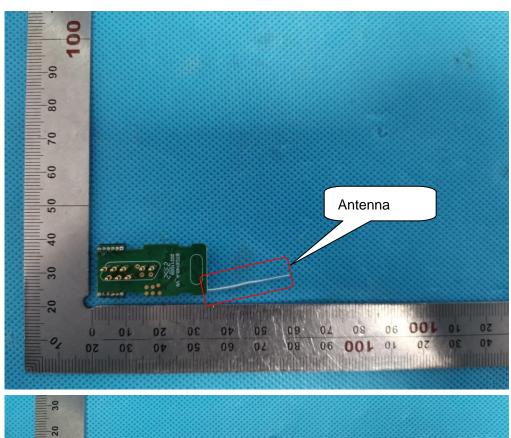
APPENDIX A: PHOTOGRAPHS OF TEST SETUP

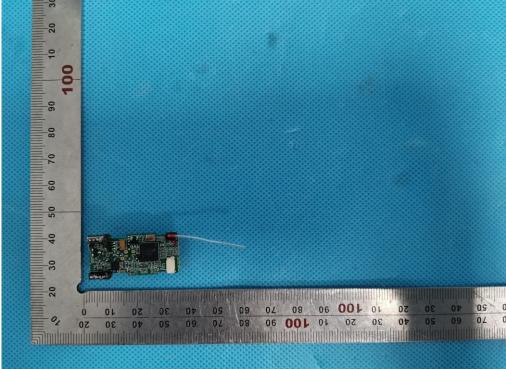






APPENDIX B: PHOTOGRAPHS OF EUT





----END OF REPORT----

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