

Antenna Passive Test Report

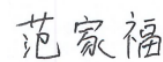
Project No. : TSED260400357
Product Type : Z3 Wireless Mouse Receiver
Test Mode : Free Space
Date of Receipt : 2026/04/22
Date of Test : 2026/04/22
Issued Date : 2026/04/23
Test Sample : TSED260400357-M-01
Standard(s) : ANSI/IEEE Std 149-2008
Applicant : Swiftpoint Limited
Address : 5/1004 Ferry Road Ferrymead Christchurch 8023 New Zealand
Manufacturer : Shenzhen Tailing Technology Co., LTD.
Address : Building G, High-tech Business Incubator, NO.3 Industrial District, Fenghuang, Fuyong, Bao'an, Shenzhen, Guangdong

TOWE. tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

the results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to assure that additional production units of the model are manufactured with identical electrical and mechanical components. All sample tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise. without written approval of TOWE, the test report shall not be reproduced except in full.



Lin Qilong
Approved By:



Fan Jiafu
Reviewed By:

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REVISION HISTORY

Rev.	Issue Date	Description	Revised by
01	2026/04/23	Original	Fan Jiafu

1. CERTIFICATE OF COMPLIANCE

1.1 DESCRIPTION OF EUT AND TEST(S) PERFORMED

Manufacturer	Shenzhen Tailing Technology Co., LTD.
Model	703 (USB Receiver)
Serial Number(s) / ESN(s) / IMEI(s)	N/A
Hardware Version	N/A
Software Version	N/A

1.2 LABORATORY ENVIRONMENT

Temperature	Min = 20°C , Max = 24°C	
Relative humidity	Min = 30% , Max = 70%	
Shield effect	0.6 – 8.5G	> 100dB
Ground resistance	< 0.5Ω	

2. MEASUREMENT SYSTEM INFORMATION

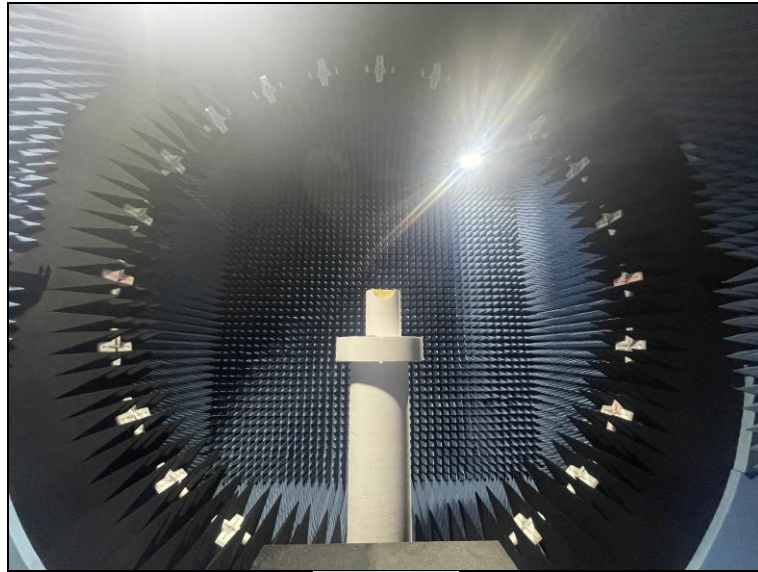
2.1 GENERAL INFORMATION

Measurement Facility:

- Measurement Chamber: ETS-Lindgren 3D fully anechoic chamber and its measuring system (AMS-8923)
- ETS-Lindgren EMCenter
- Vector Network Analyzer: R&S ZNB8



Instruments View



Inside View

2.2 LIST OF EQUIPMENT

Equipment Description	Manufacturer	Identification No.	SN	Current Calibration Date	Next Calibration Date
Vector Network Analyzer	R&S	ZNB8	101413	2025/7/15	2026/7/14
RF switch control	ETS-Lindgren	EMCenter	00251211	N/A	N/A
Measurement software	ETS-Lindgren	EMQuest	N/A	N/A	N/A

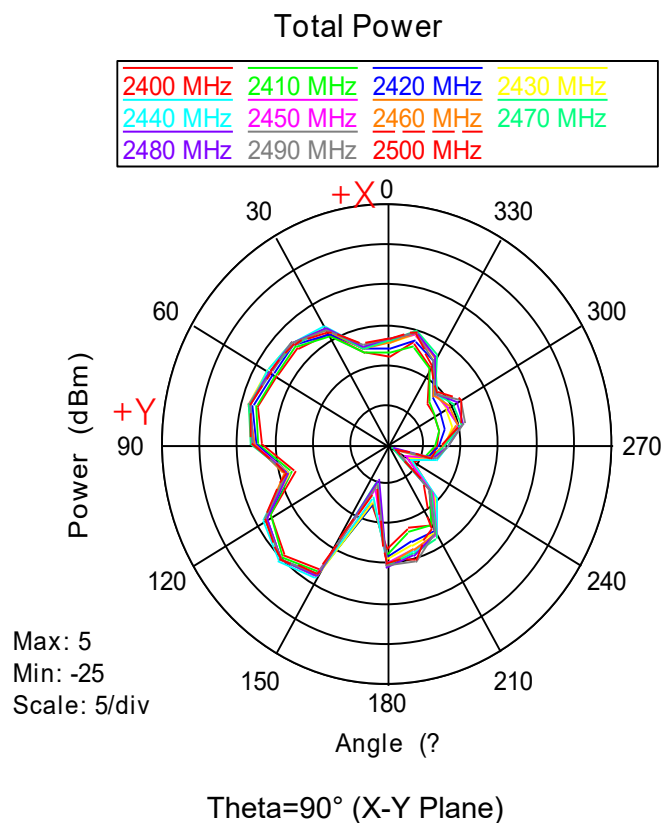
2.3 MEASUREMENT UNCERTAINTY

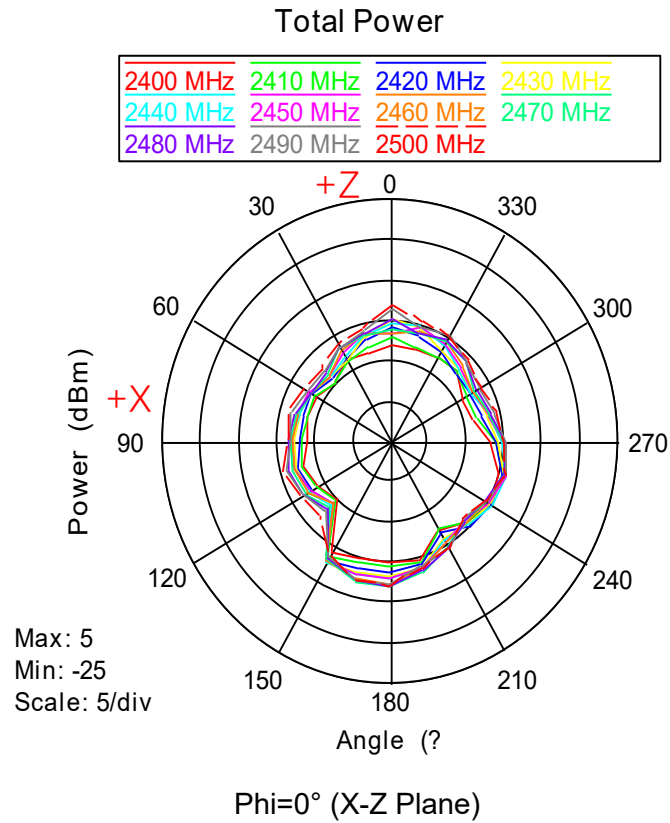
Item	2400 – 2500MHz
Gain	0.83 dB
Efficiency	0.83 dB
Measurement Uncertainty (95% Confidence Interval) K=2	

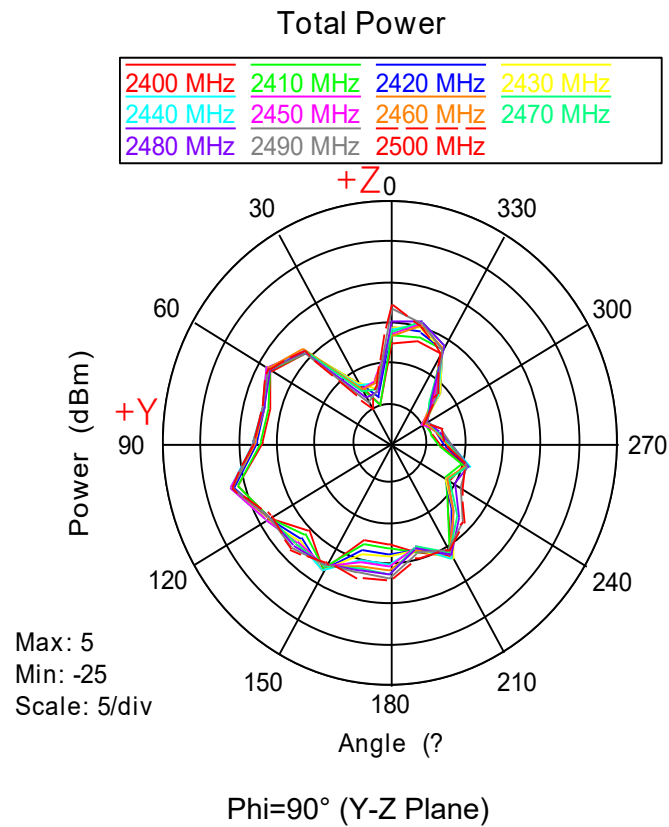
3.TEST RESULTS

Free Space		
Frequency (MHz)	Efficiency (%)	Gain (dBi)
2400	8.28	-4.03
2410	8.67	-4.07
2420	9.51	-3.67
2430	10.08	-3.54
2440	10.42	-3.28
2450	10.24	-3.39
2460	10.18	-3.47
2470	10.28	-3.51
2480	10.26	-3.61
2490	10.49	-3.56
2500	10.63	-3.64

4. 2-D PATTERN PLOTS

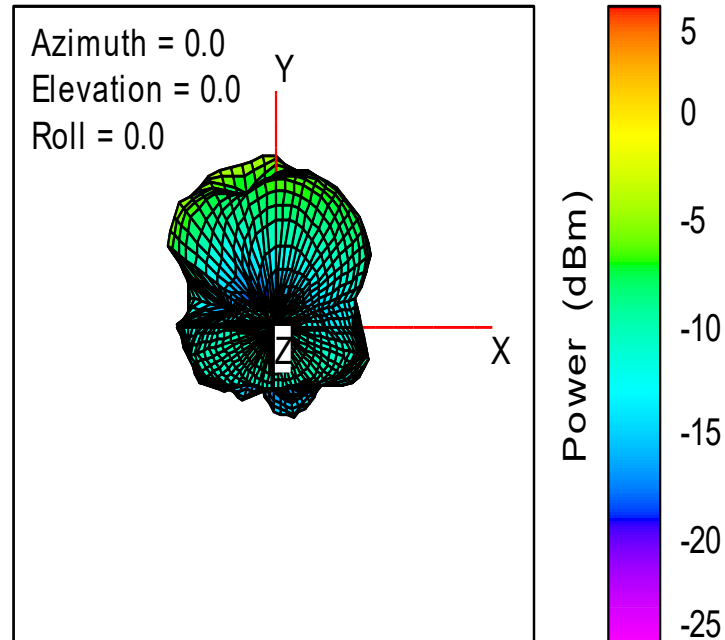




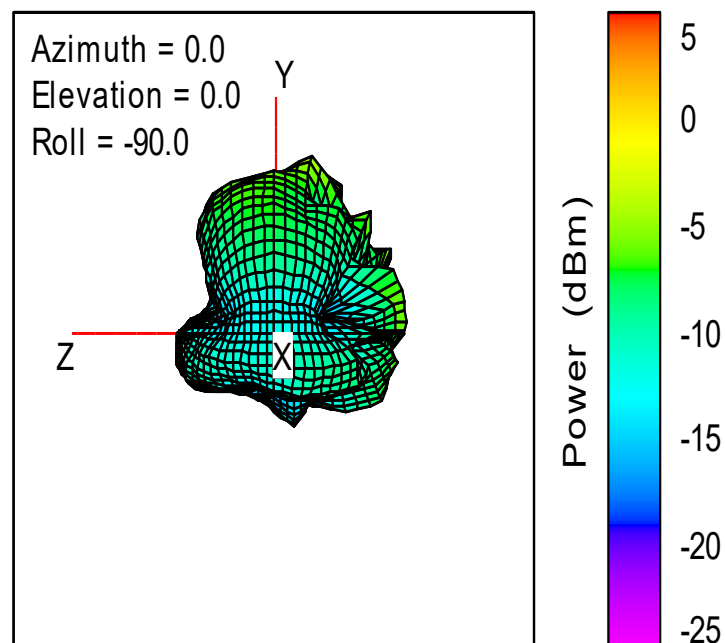


5. 3-D PATTERN PLOTS

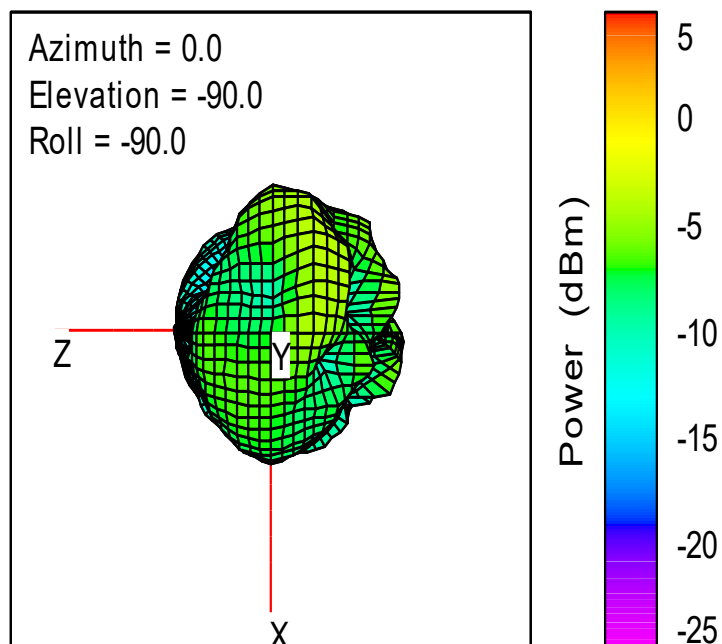
Total Power



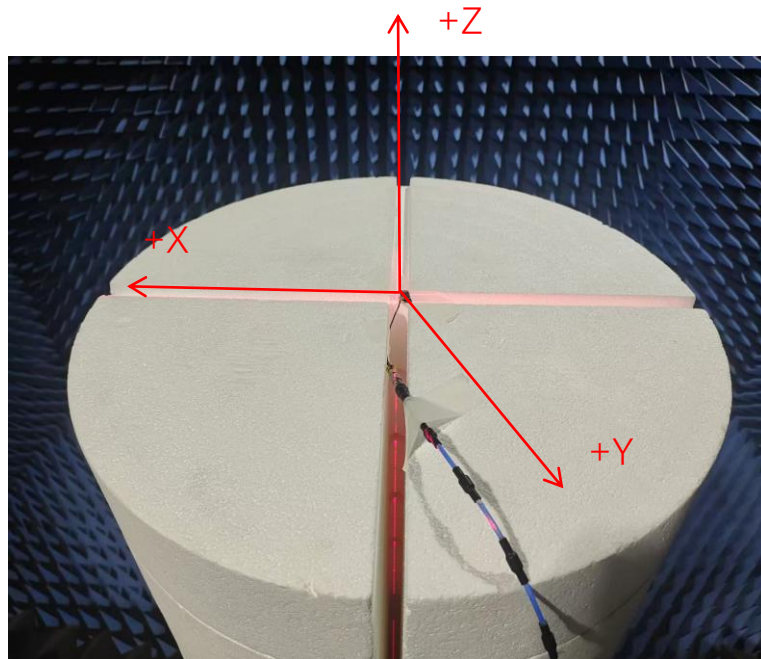
Total Power



Total Power



6. THE EUT AND TEST CONFIGURATION



Free Space View

APPENDIX A ANTENNA SPECIFICATION

