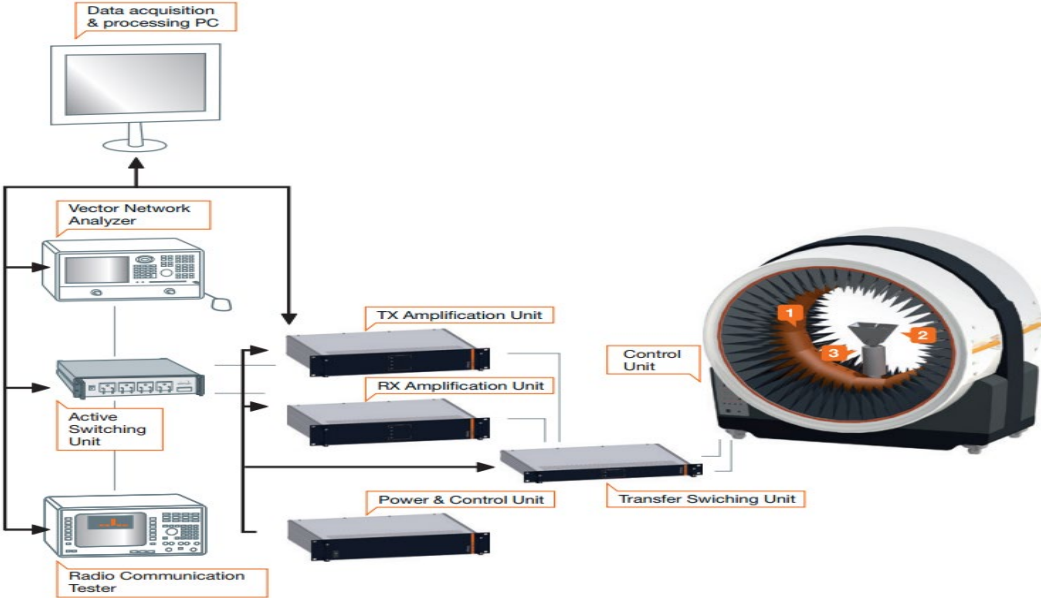


Antenna manufacturer	Company name	Aristotle
	Address	8F, NO. 63, Juguang RD., Zhonghe Dist, New Taipei City 235, Taiwan R.O.C
Test location	Company name	Aristotle
	Address	8F, NO. 63, Juguang RD., Zhonghe Dist, New Taipei City 235, Taiwan R.O.C
Test Personnel	Name(Full name)	Tina Huang
	E-mail	tina@aristotle.com.tw
	Tel/Mobile	02-22258209#25
Testing date		2024/4/10

Antenna Part number	Sub1G	313010000550_RFA-S1-JP761-70W90R2
	WiFi/BT	313010000549_RFA-25-JP161-70-83
	Nordic BLE Antenna	313010000548_RFA-BT-JP761-70B-73
Antenna type	(ex: PIFA, Dipole...etc) PIFA	

3.3 Equipment list



OTA chamber #1 (Star Lab) 600MHz-10GHz	LTE / Wi-Fi / NB-IoT / CAT-M1
Wireless Connectivity Test Set : MT8862A	Anritsu
4G Radio Communication Analyzer : MT8821C	Anritsu
Network Analyzer : ZNB8	Rohde & Schwarz

Calibration Certificate

Certificate Number:	AS1120785
Model:	MT8862A
Serial Number:	6261883626
Option:	001 202 210
Description:	Wireless Connectivity Test Set
Manufacture:	Anritsu
Issue Date:	Sep-04-2023
Calibration Date:	Sep-04-2023
Temperature:	23 ± 5 °C
Rel.Humidity:	55 ± 20 % RH
Customer Name:	亞矽企業有限公司
Address:	新北市中和區莒光路63號8樓



Calibration Certificate

Certificate No.

7280-311007039

Unit Data

Item	ZNB8 VECT.NETW.ANALYZER 2 PORT		
Manufacturer	ROHDE & SCHWARZ		
Type	ZNB8		
Material No.	1311.6010K42	Serial No.	106319

Order Data

Customer	235- 新北市 中和區莒光路63號8樓 亞矽企業股份有限公司
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Order No. 333-11211060004

Date of Receipt 2023-11-15

This calibration certificate documents, that the named item is tested and measured against defined specifications.

Measurement results are located usually in the corresponding interval with a probability of approx. 95% (coverage factor $k = 2$).

Calibration is performed with test equipment and standards directly or indirectly traceable by means of approved calibration techniques to the NMI (Australia), PTB/DKD (Germany) or NIST (USA).

In all cases where no standards are available, measurements are referenced to standards of the R&S laboratories.

Principles and methods of calibration correspond essentially with the technical requirements of EN ISO/IEC 17025. The applied quality system is certified to EN ISO 9001.

This calibration certificate may not be reproduced other than in full. Calibration certificates without signatures are not valid.

The user is obliged to have the object recalibrated at appropriate intervals.

這份校正報告中，所有的校正設備均已測試及與國際標準比對。

量測結果的不確定度是以約95%($k=2$)來表示測量值的信賴區間。

本校正實驗室執行校正之所有校正設備及標準件均直接或間接追溯至中華民國國家標準

NTSL/NMIL或TAI認可之校正機構，或德國PTB/DKD認可之校正機構，或其它國家/國際標準。這些被追溯的標準機構應體的實際量測單位最後均追溯至國際標準SI (International System of Units)。

若校正之量測無法追溯至國家標準，則將以R&S實驗室的標準為參考。

所有的校正原理及方法，均符合IEC/ISO 17025的規定。 經 驗 師 的 簽 名 和 印 章 是 證 明 此 校 准 有 效 的 唯一 途 徑。

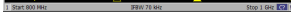
PCB#1941 94X23.2

SI Band = 850 - 1100 MHz

XY Plane (+X = 0pX, +Y = +90pX) / Elevation = 90 pX ZX Plane (+Z = 0pX, +X = +90pX) / Azimuth = 0 pX



11.00	1	861.00300 MHz	1.4254
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JP161

2G Band = 2400 - 2500 MHz % 2G BAND

XY Plane (+X = 0gX, +Y = +90gX) / Elevation = 90 gX ZX Plane (+Z = 0gX, +X = +90gX) / Azimuth = 0 gX



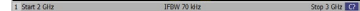
XY Plane (+X = 0°X, +Y = +90°0 / Elevation = 90.0°X, Zx Plane (+Z = 0°X, +X = +90°0) / Azimuth = 0.0°0



JP761-BT

PG Band = 2000 - 2500 MHz % PG BAND

XY Plane (+X = 0°X, +Y = +90°X) / Elevation = 90 gX ZX Plane (+Z = 0°X, +X = +90°X) / Azimuth = 0 gX



11.00	1	2	1000000	500	1	1000
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