Testing Report

Customer Name: Knog PTY LTD

Product Name: Scout Travel

Sample Model: STR001

Reference Standard: *GB/T 9410-2008; ANSI/IEEE Std149-1979*

Issue Date: 2023.7.19

Engineer:	Zkris	Date:	2023.7.19
Auditor:	Eason	Date:	2023.7.19
Approver:	Aaron	Date:	2023.7.19

Shenzhen RFI-LAB Communication Technology Co.,Ltd. RFI-LAB

Version

Version No.	Date	Description	Formulate	Approval
A0	2023.7.19	For the first time, formulate	Zkris	Eason

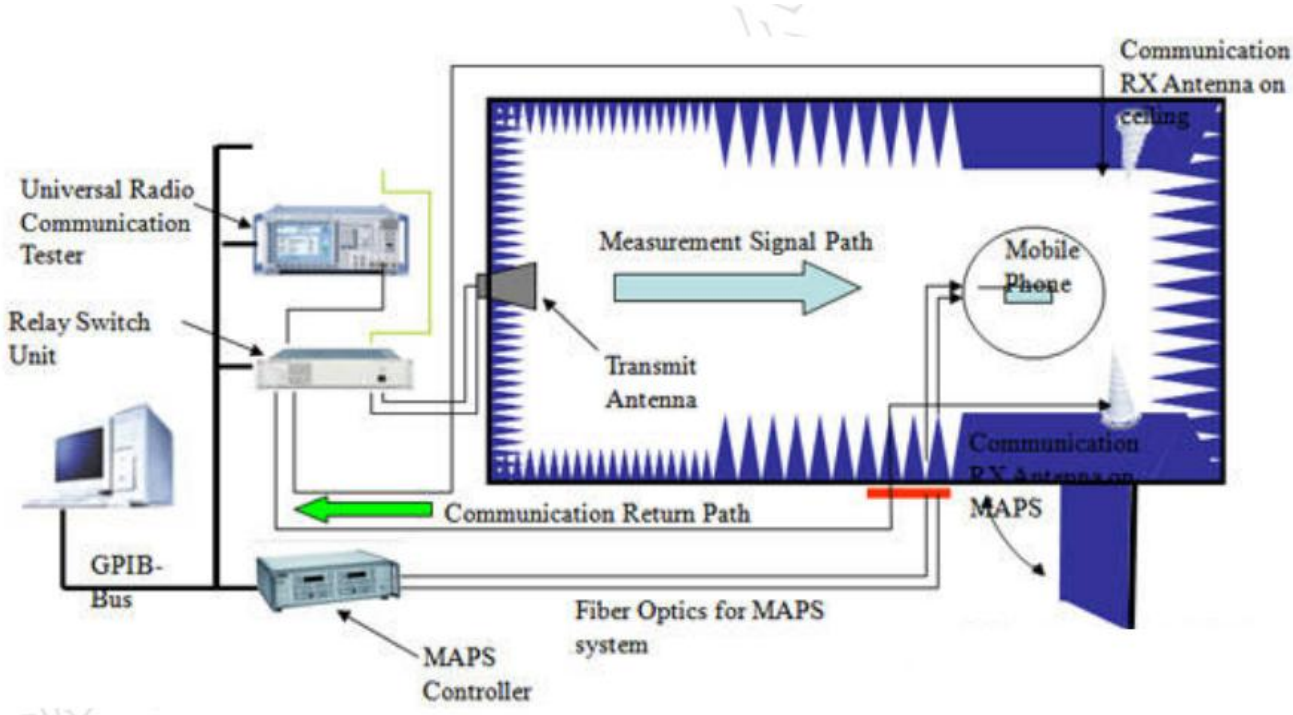
Contents

1.General Information

1.1 General information of testing institutions

Name	Shenzhen RFI-LAB Communication Technology Co., Ltd.
Address	10/F A, Lingyun Bld, Liufang Rd, Baoan District, SZ
Tel	13682621346
E-mail	rfi-lab@tech-now.com

1.2 Testing principle



1.3 Test environment

Temperature	24.2℃
Humidity	59%RH
Pressure	100.15kPa

1.4 Statement

(1) The test results in the report are only applicable to the tested samples and the tested samples work under the environment described in the report.
(2) Only Shenzhen RFI-LAB Communication Technology Co., Ltd. have the right to modify the report, and the modification information shall be annotated in the revision form.
(3) Any objection to this report shall be raised within 30 days after formal confirmation of the report.
(4) This report is invalid if there is any evidence that the sample information provided is falsified.
(5) The report is invalid without the signature of the auditor and approver.

2.Sample Information

2.1 Client information

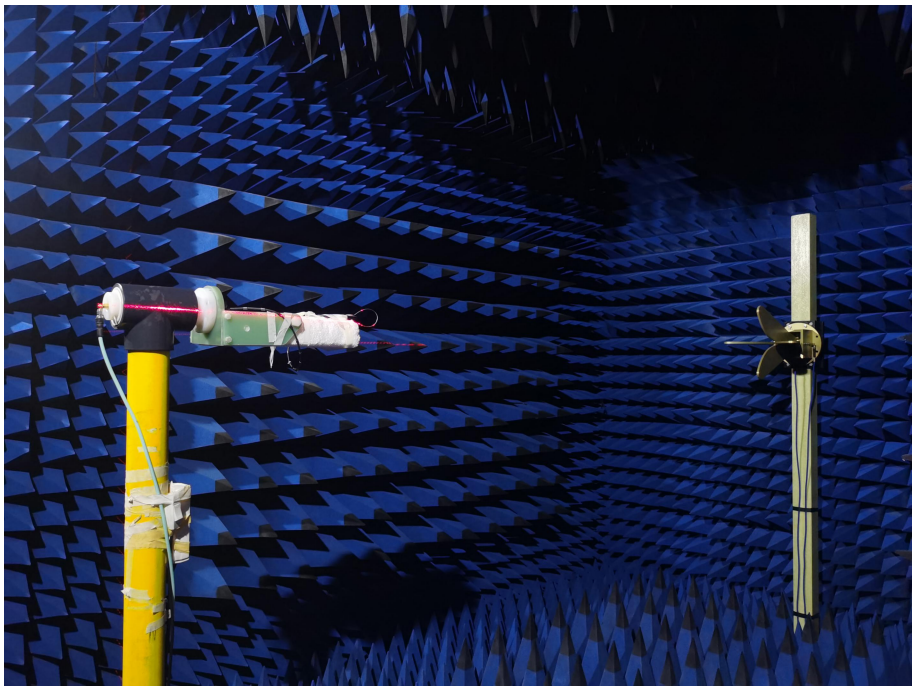
Name	Knog PTY LTD
Address	LEVEL 6, 2-6 GWYNNE ST,CREMORNE VICTORIA, AUSTRALIA 3121
Contacts	Julian O'Loughlin
Tel	/
E-mail	julian@knog.com.au

2.2 Description of EUT(S)

Product Name	Scout Travel
Sample Model	STR001
Antenna Size	/
Serial No.	/
Antenna Type	PCB Antenna
Test Item	VSWR; Antenna gain; Efficiency; Radiation pattern
Frequency Range	2400-2500MHz
Received Date	2023.5.31
Test Date	2023.7.19
Remark	The length of the RF cable is 60mm

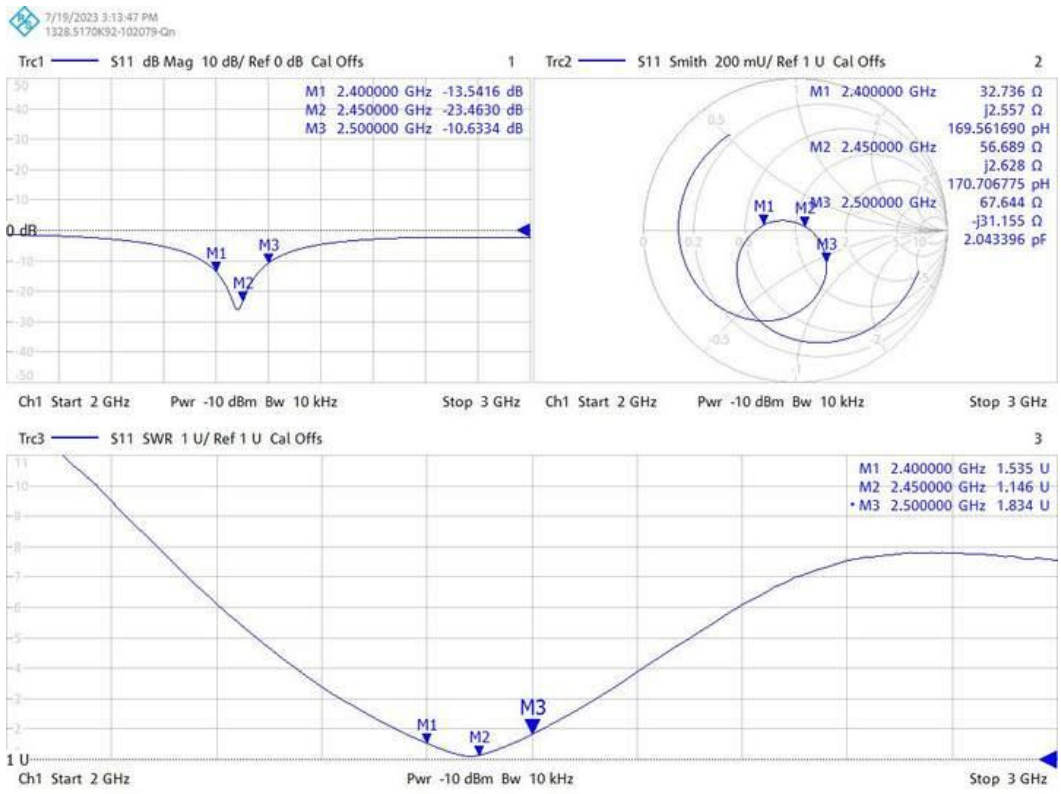
2.3 EUT appearance

2.4 EUT setup photo of free space OTA testing



3. Test Results

3.1 VSWR parameters



3.2 VSWR data

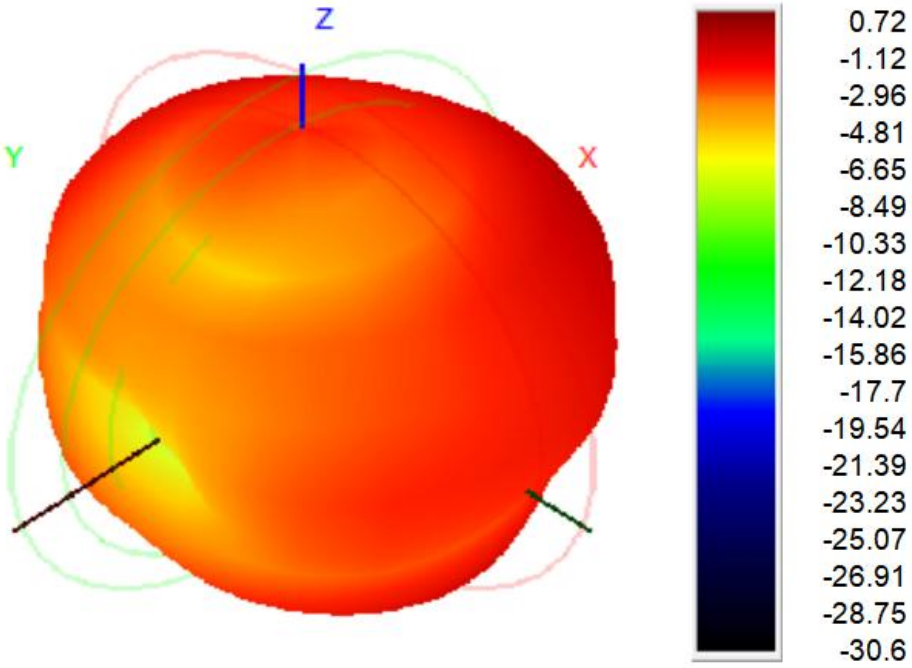
Frequency/MHz	2400	2450	2500
VSWR	1.535	1.146	1.834

3.3 Typical free space efficiency and gain

Frequency/MHz	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Peak Gain/dBi	0.16	0.40	0.58	0.61	0.72	0.58	0.51	0.44	0.42	0.12	0.07
Efficiency/%	37.93	38.63	39.80	40.82	42.11	42.07	42.09	41.82	41.15	38.51	38.41

3.4 Typical free space radiation pattern

Typical Free Space 3D Radiation Pattern at 2.44GHz(unit:dBi):



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