

Shenzhen Most Technology Service Co., Ltd.

No.5, 2nd Langshan Road, North District, Hi-tech Industrial Park, Nanshan, Shenzhen, Guangdong, China.

Assa Lao Sunny Deng Anthor

TEST REPORT

Report Reference No....... MTEB23020165-H FCC ID......: NRH-LR-R109H

Compiled by

(position+printed name+signature)..: File administrators Alisa Luo

Supervised by

(position+printed name+signature)..: Test Engineer Sunny Deng

Approved by

(position+printed name+signature)..: Manager Yvette Zhou

Date of issue...... Apirl 03,2023

Representative Laboratory Name.: Shenzhen Most Technology Service Co., Ltd.

Nanshan, Shenzhen, Guangdong, China.

Applicant's name...... Netvox Technology Co Ltd

Address...... No 21, Sec 1 Chung Hua West Road, Tainan, Taiwan.

Test specification/ Standard.....: 47 CFR Part 1.1307

47 CFR Part 2.1093

TRF Originator...... Shenzhen Most Technology Service Co., Ltd.

Shenzhen Most Technology Service Co., Ltd. All rights reserved.

This publication may be reproduced in whole or in part for non-commercial purposes as long as the Shenzhen Most Technology Service Co., Ltd. is acknowledged as copyright owner and source of the material. Shenzhen Most Technology Service Co., Ltd. takes no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context.

Test item description.....: Wireless Module

Operation Frequency.....: 902MHZ ~ 928MHz

Rating..... 2 x AAA battery, DC3V

Result..... PASS

Report No.: MTEB23020165-H Page 2 of 5

TEST REPORT

Equipment under Test : Wireless Module

Model /Type : R109H

Listed Models : N/A

Remark N/A

Applicant : Netvox Technology Co Ltd

Address : No 21, Sec 1 Chung Hua West Road, Tainan, Taiwan.

Manufacturer : Netvox Technology Co., Ltd. (Xiamen)

Address : No.2, Xin Feng 2 Road, Xiamen Torch Hi-Tech Industrial

Development Zone, Xiamen City, China

Test Result:	PASS

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

Report No.: MTEB23020165-H Page 3 of 5

Contents

1. Revision History

Revision	Issue Date	Revisions	Revised By
00	2023.04.03	Initial Issue	Alisa Luo

Report No.: MTEB23020165-H Page 4 of 5

2.1 RF Exposure Compliance Requirement

2.1.1 Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06

4.3.1. Standalone SAR test exclusion considerations

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

2.1.2 Limits

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] $\cdot [\sqrt{f(GHz)}] \le 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

f(GHz) is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation₁₇

The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is \leq 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is \leq 5 mm, a distance of 5 mm is applied to determine SAR test exclusion

Report No.: MTEB23020165-H Page 5 of 5

2.1.3 EUT RF Exposure

EIRP =PT*GT= (E x D)²/30 where: PT = transmitter output power in watts, GT = numeric gain of the transmitting antenna (unitless), E = electric field strength in V/m, ---10 $^{(dB\mu V/m)/20}$ /10⁶, D = measurement distance in meters (m)---3m, So PT = (E x D)²/30 / GT

The worst case (refer to report MTEB23020165-R) is below:

For 902.3MHz wireless: Field strength=96.52 dBuV/m Ant gain:-0.22dBi;so Ant numeric gain=0.95

EIRP = PT*GT = (E x D)²/30= $(10^{(dB\mu V/m)/20)}/10^{6*}3)^2/30=0.0012$ So PT= EIRP/GT=0.0012W=1.2mW So(1.2mW/5mm)* $\sqrt{0.9023}$ GHz=0.23

exclusion=0.23<3.0 for 1-g SAR

So the SAR report is not required.