

### Shenzhen Most Technology Service Co., Ltd.

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

Aisa Luc Sunny Deng Vietter

### TEST REPORT

Compiled by

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Approved by

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

Date of issue...... Nov. 16,2023

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

Nanshan, Shenzhen, Guangdong, China.

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

Address ....... No. 21-1, Sec. 1 Chung Hua West Road, Tainan, Taiwan, R.O.C.

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

47 CFR Part 2.1093

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

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Test item description ....... Wireless Module

Trade Mark ...... netvox

Model/Type reference R100H

Listed Models ...... N/A

Modulation Type ..... FSK

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

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### TEST REPORT

Equipment under Test : Wireless Module

Model /Type : R100H

Listed Models : N/A

Remark N/A

Applicant : Netvox Technology Co., Ltd.

Address : No. 21-1, Sec. 1 Chung Hua West Road, Tainan, Taiwan, R.O.C.

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.

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# 1. Revision History

Revision	Issue Date	Revisions	Revised By
00	2023.11.16	Initial Issue	Alisa Luo

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### 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)]  $\cdot$  [ $\sqrt{f(GHz)}$ ]  $\leq 3.0$  for 1-g SAR and  $\leq 7.5$  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 calculation<sub>17</sub>

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 < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion

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### 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 $^{(dB\mu V/m)/20}$ /10 $^6$ , D = measurement distance in meters (m)---3m, So PT = (E x D)²/30 / GT

The worst case (refer to report MTEB23110153-R) is below:

For 902.3MHz wireless: Field strength=96.22dBuV/m Ant gain:1.65dBi;so Ant numeric gain=1.46

EIRP = PT\*GT = (E x D)^2/30= $(10^{(dB\mu V/m)/20})/10^6*3)^2/30=0.0013$  So PT= EIRP/GT=0.0013W=1.3mW So(1.3mW/5mm)\*  $\sqrt{0.9023}$ GHz=0.25

exclusion=0.25<3.0 for 1-g SAR

So the SAR report is not required.