

RF EVALUATION TEST REPORT


The device described below is tested by Dongguan Nore Testing Center Co., Ltd. to determine the maximum emission levels emanating from the device, the severe levels which the device can endure and E.U.T.'s performance criterion. The test results, data evaluation, test procedures, and equipment of configurations shown in this report were made in accordance with the RED directive 2014/53/EU.

Applicant : SHENZHEN FENDA TECHNOLOGY CO., LTD.
Address : Fenda Hi-Tech Park, Zhoushi Road, Shiyao Town, Baoan District, Shenzhen City, Guangdong, China
Manufacturer/Factory : SHENZHEN FENDA TECHNOLOGY CO., LTD.
Address : Fenda Hi-Tech Park, Zhoushi Road, Shiyao Town, Baoan District, Shenzhen City, Guangdong, China
E.U.T. : Computer Multimedia Speaker
Brand Name : F&D
Model No. : T-70X, T-77X, T-70BT, T-80X, T-68X, T-60X Plus
(For model difference refer to section 1)
Measurement Standard : EN 62479: 2010
Date of Receiver : May 08, 2019; November 20, 2019
Date of Test : May 09, 2019 to July 07, 2019
Date of Report : December 05, 2019

This Test Report is Issued Under the Authority of :

Prepared by

Approved & Authorized Signer


Alina Guo / Engineer


Iori Fan / Authorized Signatory



This test report is for the customer shown above and their specific product only. This report applies to above tested sample only and shall not be reproduced in part without written approval of Dongguan Nore Testing Center Co., Ltd.

Revision History of This Test Report

Report Number	Description	Issued Date
NTC1905057EV00	Initial Issue	2019-07-10
NTC1905057EV01	Updated the electrolytic capacitor voltage from 35V change 50V at PCB output circuit.	2019-12-05

1. GENERAL INFORMATION

PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST

E.U.T.	:	Computer Multimedia Speaker
Main Model Name	:	T-70X
Additional Model name	:	T-77X, T-70BT, T-80X, T-68X, T-60X Plus
Brand Name	:	F&D
Rating	:	AC 100-240V 50/60Hz, 1A
Adapter	:	N/A
Test Voltage	:	AC 230V 50Hz
Cable	:	Audio Line: 1 to 1: 1.54m unshielded 1 to 2: 1.54m unshielded Speaker Line: 2.94m unshielded AC Mains: 1.50m unshielded
Hardware version	:	V1.0
Software version	:	V1.0
Operating Temperature Range	:	0°C to 35°C (Declaration by manufacturer)
Description of model difference	:	Those models have the same circuit schematic, construction, PCB Layout and critical components. The difference is model number only due to trading purpose.
Note	:	According to the model difference, all tests were performed on model T-70X.
Remark	:	<ol style="list-style-type: none">1. This report was an additional report based on report NTC1905057EV00.2. Compared with original report, this report has updated the electrolytic capacitor voltage from 35V change 50V at PCB output circuit.3. According to the changes, no affect the tests result and all items test data were continued to be referenced. Details refer to the report.

Technical Specification:

Item	:	Description
BT Version	:	4.2
Frequency	:	2402-2480MHz
Modulation	:	GFSK, $\pi/4$ -DQPSK, 8DPSK
Number of Channel	:	79
Channel space	:	1MHz
Antenna Type	:	PCB antenna
Antenna Gain	:	0.5dBi (declared by manufacturer)

2. TEST FACILITY

Site Description

EMC Lab : Listed by CNAS, August 13, 2018
The certificate is valid until August 13, 2024
The Laboratory has been assessed and proved to be in compliance with CNAS/CL01
The Certificate Registration Number is L5795.

Listed by A2LA, November 01, 2017
The certificate is valid until December 31, 2021
The Laboratory has been assessed and proved to be in compliance with ISO17025
The Certificate Registration Number is 4429.01

Listed by FCC, November 06, 2017
The Designation Number is CN1214
Test Firm Registration Number: 907417

Listed by Industry Canada, June 08, 2017
The Certificate Registration Number. Is
46405-9743

Name of Firm : Dongguan Nore Testing Center Co., Ltd.
(Dongguan NTC Co., Ltd.)

Site Location : Building D, Gaosheng Science and Technology
Park, Hongtu Road, Nancheng District, Dongguan
City, Guangdong Province, China

3. TEST RESULT

Pass

Please refer to following test data.

AV Power E.I.R.P dBm	Power E.I.R.P mW	Low power exclusion mW
BT Mode GFSK		
3.52	2.20	20
BT Mode 8DPSK		
4.01	2.52	20

The apparatus is deemed to comply with the basic restrictions without testing. It's complied with standards' requirement.

The harmonized requirement EN 62479: 2010 had been used for the conformity assessment.

According this requirement the SAR-measurement has not to be conducted when the sending level is < 20 mW(13dBm).

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