COOLER MASTER TECHNOLOGY INC.

TEST REPORT

Model:
IXC-SX1

REPORT NUMBER
221200062THC-001

ISSUE DATE
Dec. 13, 2022

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DOCUMENT CONTROL NUMBER
GFT-OP-10h (28-Nov-2018)

RF Exposure Evaluation Report

Applicant:	**COOLER MASTER TECHNOLOGY INC.** **7F., No. 398, Xinhu 1st Rd., Neihu Dist. Taipei City 114065, Taiwan**
Product:	**Synk X**
Model No.:	**IXC-SX1**
FCC ID:	**2AR8X-IXC-SX1**
Test Method/ Standard:	**47 CFR FCC 2.1093** **KDB 447498**
Test By:	**Intertek Testing Services Taiwan Ltd.,** **Hsinchu Laboratory** **No. 11, Lane 275, Ko-Nan 1 Street, Chia-Tung Li,** **Shiang-Shan District, Hsinchu City, Taiwan**

Rich Nien
Engineer

Zero Chen
Reviewer

Revision History

Report No.	Issue Date	Revision Summary
221200062THC-001	Dec. 13, 2022	Original report

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1. General Information

1.1 Identification of the EUT

Product:	Synk X
Model No.:	IXC-SX1
Operating Frequency:	2402 MHz ~ 2480 MHz
Channel Number:	79 channels
Frequency of Each Channel:	2402+1 k, k＝0 ~ 78
Rated Power:	DC 14.4V from battery DC 19V from adapter
Power Cord:	N/A
Sample receiving date:	2022/11/02
Sample condition:	Workable
Test Date(s):	2022/11/04 ~ 2022/11/18

1.2 Antenna description

Antenna Gain : 1.2 dBi
Antenna Type : PCB antenna
Connector Type : Fixed

1.3 Peripherals equipment

Peripherals	Brand	Model No.	Serial No.	Data cable
Notebook PC	HP	HP ProBook 440 G3	5CD8021S9H	USB shielded cable 1.5m
Smart phone	SAMSUNG	GT-I9100	00009d5c92ef46f	Audio cable 1.8m
5.8GHz Wireless Tactile Transmission System	Cooler master	IXC-ST1	N/A	N/A
Earphone	N/A	N/A	N/A	Earphone cable 1.5m

2. Test specifications

2.1 Introduction

§ 2.1093(c)(1) Evaluation of compliance with the exposure limits in § 1.1310 of this chapter, and preparation of an EA if the limits are exceeded, is necessary for portable devices having single RF sources with more than an available maximum time-averaged power of 1 mW, more than the ERP listed in Table 1 to § 1.1307(b)(3)(i)(C), or more than the Pth in the following formula, whichever is greater.

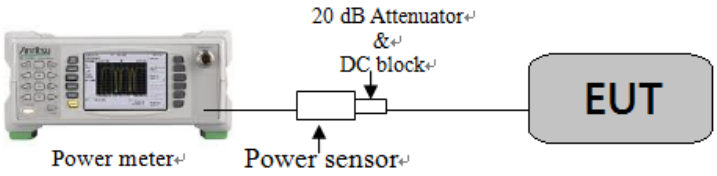
2.2 Operation mode

Connected to Notebook PC via USB Cable, executing “BT_Tool V1.0.5” and enter command to select different frequency and modulation.

2.3 Test equipment

Equipment	Brand	Model No.	Serial No.	Calibration Date	Next Calibration Date
Power Meter	Anritsu	ML2495A	0844001	2022/07/04	2023/07/03
Power Sensor	Anritsu	MA2491A	031543	2022/03/07	2023/03/06

2.4 Test Set-up



3. Test results

Mode	Frequency (MHz)	Antenna Gain (mW)	Output power (dBm)	Output power (mW)	Tune-up Power Tolerance (dB)	Max Tune-up Power (dBm)	Max Tune-up Power (mW)
DH5	2402	1.32	-2.62	0.55	2.00	-2.07	0.62
	2441	1.32	-2.06	0.62	2.00	-1.44	0.72
	2480	1.32	-2.62	0.55	2.00	-2.07	0.62
2DH5	2402	1.32	-1.95	0.64	2.00	-1.31	0.74
	2441	1.32	-1.62	0.69	2.00	-0.93	0.81
	2480	1.32	-1.51	0.71	2.00	-0.80	0.83
3DH5	2402	1.32	-2.18	0.61	2.00	-1.57	0.70
	2441	1.32	-2.69	0.54	2.00	-2.15	0.61
	2480	1.32	-3.34	0.46	2.00	-2.88	0.52

The maximum time-averaged power is less than 1 mW, there is no requirement for evaluation of compliance with the exposure limits.