

COOLER MASTER TECHNOLOGY INC.

TEST REPORT

Model:
IXC-SX1

REPORT NUMBER
221200062THC-001

ISSUE DATE
Dec. 13, 2022

PAGES
7

DOCUMENT CONTROL NUMBER
GFT-OP-10h (28-Nov-2018)
© 2020 Intertek



TEST REPORT**RF Exposure Evaluation Report**

Applicant:	COOLER MASTER TECHNOLOGY INC. 7F., No. 398, Xinhua 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

This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

Revision History

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

Table of Contents

1. General Information	4
1.1 Identification of the EUT	4
1.2 Antenna description	4
1.3 Peripherals equipment	4
2. Test specifications.....	5
2.1 RF Exposure calculations	5
2.2 Operation mode	5
2.3 Test equipment.....	5
2.4 Test Set-up	6
3. Test results.....	7

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.

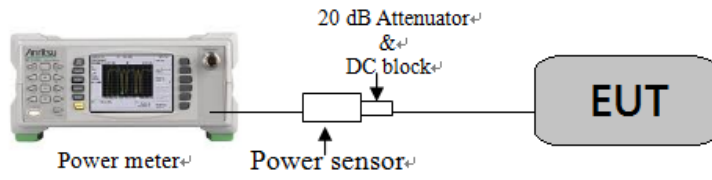
2.2 Operation mode

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



TEST REPORT

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.