

Radio Test Report

Report No.:STS2406116H02

Issued for

Chengdu Accsoon Technology Co., LTD.

Rm. 708, Bld. 1, Xiongchuan Center, No.166, Tianfu 2nd St.,
High-tech Zone, Chengdu, 610000, China.

Product Name: CineView Master 4K

Brand Name: ACCSOON

Model Name: WIT07

Series Model(s): WIT07-H, WIT07-M

FCC ID: 2AOH407WITTR

Test Standard: FCC 47CFR §2.1091

The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the ShenZhen STS Test Services Co., Ltd.

**TEST REPORT**

Applicant's Name: Chengdu Accsoon Technology Co., LTD.
Address: Rm. 708, Bld. 1, Xiongchuan Center, No.166, Tianfu 2nd St.,
High-tech Zone, Chengdu, 610000, China.
Manufacturer's Name.....: Shenzhen Accsoon Technology Co., LTD.
Address: Room 302, BLDG D, Zhiyuanyungu, 73 Guanlan Blvd, Longhua
District, Shenzhen 518110, China.

Product Description

Product Name.....: CineView Master 4K
Brand Name: ACCSOON
Model Name: WIT07
Series Model(s).....: WIT07-H, WIT07-M

Test Standards: FCC 47CFR §2.1091
447498 D01 Interim General RF Exposure Guidance v06

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Date of Test

Date of receipt of test item.....: 24 June 2024
Date (s) of performance of tests.....: 24 June 2024~ 13 Aug. 2024
Date of Issue.....: 13 Aug. 2024
Test Result.....: **Pass**

Testing Engineer :

(Aaron Bu)

Technical Manager :

(Chris Chen)

Authorized Signatory :

(Bovey Yang)





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Revision History

Rev.	Issue Date	Report No.	Effect Page	Contents
00	13 Aug. 2024	STS2406116H02	ALL	Initial Issue

1. GENERAL INFORMATION

1.1 GENERAL DESCRIPTION OF THE EUT

Product Name	CineView Master 4K	
Brand Name	ACCSOON	
Model Name	WIT07	
Series Model(s)	WIT07-H, WIT07-M	
Model Difference	Only differences in model name	
Product Description	The EUT is CineView Master 4K	
	Operation Frequency:	2.4G WLAN: 802.11b/g/n 20: 2412~2462 MHz 802.11n(40MHz):2422~2452MHz 5.2G WLAN: IEEE 802.11a/ n(HT20): 5.180GHz-5.240GHz IEEE 802.11n(HT40): 5.190GHz-5.230GHz 5.3G WLAN: IEEE 802.11a/ n(HT20):5.260GHz-5.320GHz IEEE 802.11 n(HT40): 5.270GHz-5.310GHz 5.6G WLAN: IEEE 802.11a/ n(HT20):5.500GHz-5.700GHz IEEE 802.11 n(HT40):5.510GHz-5.670GHz 5.8G WLAN: IEEE 802.11a/ n(HT20):5.745GHz-5.825GHz IEEE 802.11a/ n(HT40):5.755GHz-5.795GHz 6E WLAN: UNII-5 Band: 5925-6425MHz UNII-6 Band: 6425-6525MHz UNII-7 Band: 6525-6875MHz UNII-8 Band: 6875-7125MHz
	Modulation Type:	2.4G WLAN: 802.11b(DSSS):CCK,DQPSK,DBPSK 802.11g(OFDM):BPSK,QPSK,16-QAM,64-QAM 802.11n(OFDM):BPSK,QPSK,16-QAM,64-QAM 5G WLAN: 802.11a(OFDM): BPSK,QPSK,16-QAM,64-QAM 802.11n(OFDM): BPSK,QPSK,16-QAM,64-QAM 6E WLAN: 802.11ax(OFDM, OFDMA): BPSK,QPSK,16-QAM,64-QAM,256-QAM



	Antenna gain:	2.4G WLAN: ANT 1: 1.82 ANT 2: 1.82 MIMO 1+2: 4.83 5G WLAN: ANT 1: 3.03 dBi ANT 2: 3.03 dBi MIMO 1+2: 6.04 dBi 6E WLAN: ANT 1: 2.5 dBi ANT 2: 2.5 dBi MIMO 1+2: 5.51 dBi
	Antenna Designation:	Dipole
Rating	Input: DC 7.4-16.8V	
Hardware Version	V1.00	
Software Version	V1.00	



1.2 TEST FACTORY

SHENZHEN STS TEST SERVICES CO., LTD

Add. : 101, Building B, Zhuoke Science Park, No.190 Chongqing Road, ZhanChengShequ, Fuhai Sub-District, Bao'an District, Shenzhen, Guang Dong, China

FCC test Firm Registration Number: 625569

IC test Firm Registration Number: 12108A

A2LA Certificate No.: 4338.01

2. FCC 47CFR §2.1091 REQUIREMENT

2.1 TEST STANDARDS

The limit for Maximum Permissible Exposure (MPE) specified in FCC 1.1310 is followed. The gain of the antennas used in the product is extracted from the Antenna data sheets provided and also the maximum total power input to the antenna is measured. Through the Friis transmission formula and the maximum gain of the antenna, we can calculate the distance, away from the product, where the limit of MPE is reached.

Although the Friis Transmission formula is far field assumption, the calculated result of that is an over-prediction for near field power density. It is taken as worst case to specify the safety range.

2.2 LIMIT

According to FCC 1.1310: The criteria listed in the following table shall be used to evaluate the environmental impact of the human exposure to radio-frequency (RF) radiation as specified in 1.1307 (b)

Limits for Maximum Permissible Exposure (MPE)

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)
Limits for Occupational / controlled Exposures			
300 - 1500	--	--	F/300
3.0-30	1842/f	4.89/f	*(900/f ²)
1500 – 100000	--	--	5.0
Limits for General population / Uncontrolled Exposure			
300 - 1500	--	--	F/1500
1.34-30	824/f	2.19/f	*(180f ²)
1500 – 100000	--	--	1.0

F= Frequency in MHz

Friss Formula

Friss Transmission Formula: $P_d = (P_{out} * G) / (4 * \pi * r^2)$

Where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 3.1416

R = Distance between observation point and the center of radiator in cm

If we know the maximum gain of the antenna and the total output power to the antenna, through calculation, we will know MPE value at distance 20cm.



2.3 TEST RESULT

Turn up

Mode	Detector	Turn up Power
2.4G WLAN	AV	14±1dBm
5G WLAN	AV	14±1dBm
WLAN 6E	AV	5±1dBm

Protocol	Fre. (GHz)	Separati on distance (cm)	Max Turn up power (dBm)	ANT Gain (dBi)	Max EIRP (dBm)	Max EIRP (mW)	Power Density (mW/cm ²)	Limit (mW/cm ²)	Ratio	Result
2.4G WLAN	2.462	20	15.00	2.48	17.48	55.98	0.0111	1	0.0111	Pass
5G WLAN	5.825	20	15.00	3.03	18.03	63.53	0.0113	1	0.0126	Pass
WLAN 6E	6.685	20	6.00	2.5	8.50	7.08	0.0014	1	0.0014	Pass

Multiple transmission:

2.4G WLAN +5G WLAN +WIFI 6E=0.0111+0.0126+0.0014=0.0251 < 1

Note: 1. The Maximum power is less than the limit, complies with the exemption requirements.

2. ERP = EIRP - 2.15

*****END OF THE REPORT*****