



# RF TEST REPORT

Product Name: EasyScan M05

Model Name: M05, M05 Pro

FCC ID: 2A8YS-M05

Issued For : Wuhan Eleph-Print Tech Co.,Ltd

701, Blk B, Huishang Bldg, 2 Wudayuan Rd, Wuhan, Hubei, China

Issued By : Shenzhen LGT Test Service Co., Ltd.

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Report Number: LGT24A033HA01

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Date of Test: Jan. 10, 2024 – Jan. 30, 2024

Date of Issue: Jan. 30, 2024

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## TEST REPORT CERTIFICATION

**Applicant:** Wuhan Eleph-Print Tech Co.,Ltd  
**Address:** 701, Blk B, Huishang Bldg, 2 Wudayuan Rd, Wuhan, Hubei,China  
**Manufacturer:** Wuhan Eleph-Print Tech Co.,Ltd  
**Address:** 701, Blk B, Huishang Bldg, 2 Wudayuan Rd, Wuhan, Hubei,China  
**Product Name:** EasyScan M05  
**Trademark:** EPiC  
**Model Name:** M05, M05 Pro  
**Sample Status:** Normal

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC 47 CFR §2.1093 KDB 447498 D01 General RF Exposure Guidance v06	PASS

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## TABLE OF CONTENTS

<b>1 . GENERAL INFORMATION</b>	<b>5</b>
1.1 GENERAL DESCRIPTION OF THE EUT	5
1.2 TEST LABORATORY	6
<b>2 . FCC 47CFR §2.1093 REQUIREMENT</b>	<b>7</b>
2.1 TEST STANDARDS	7
2.5 TEST RESULT	8



**Revision History**

Rev.	Issue Date	Revisions
00	Jan. 30 2024	Initial Issue



## 1. GENERAL INFORMATION

### 1.1 GENERAL DESCRIPTION OF THE EUT

Product Name:	EasyScan M05									
Trademark:	EPiC									
Model Name:	M05									
Series Model:	M05 Pro									
Model Difference:	Only the model name is different.									
Product Description:	<table border="1"> <tr> <td rowspan="7">Operation Frequency:</td> <td>IEEE 802.11b/g/n(20MHz): 2412~2462MHz IEEE 802.11n(40MHz):2422~2452MHz</td> </tr> <tr> <td>IEEE 802.11a/n(HT20)/ ac(VHT20)/ax(HE20): 5.180GHz-5.240GHz IEEE 802.11n(HT40)/ ac(VHT40)/ax(HE40): 5.190GHz-5.230GHz IEEE 802.11 ac(VHT80)/ax(HE80): 5.210GHz</td> </tr> <tr> <td>IEEE 802.11a/n(HT20)/ ac(VHT20)/ax(HE20): 5.260GHz-5.320GHz IEEE 802.11 n(HT40)/ ac(VHT40)/ax(HE40): 5.270GHz-5.310GHz IEEE 802.11 ac(VHT80)/ax(HE80): 5.290GHz</td> </tr> <tr> <td>IEEE 802.11a/n(HT20)/ ac(VHT20)/ax(HE20): 5.500GHz-5.700GHz IEEE 802.11 n(HT40)/ ac(VHT40)/ax(HE40): 5.510GHz-5.670GHz IEEE 802.11 ac(VHT80)/ax(HE80): 5.530GHz-5.610GHz</td> </tr> <tr> <td>IEEE 802.11a/n(HT20)/ ac(VHT20)/ax(HE20): 5.745GHz-5.825GHz IEEE 802.11a/n(HT40)/ac(VHT40)/ax(HE40): 5.755GHz-5.795GHz IEEE 802.11 ac(VHT80)/ax(HE80): 5.775GHz</td> </tr> <tr> <td>802.11b(DSSS):CCK,DQPSK,DBPSK 802.11g(OFDM):BPSK,QPSK,16-QAM,64-QAM 802.11a(OFDM): BPSK, QPSK, 16-QAM, 64-QAM 802.11n(OFDM): BPSK, QPSK, 16-QAM, 64-QAM 802.11ac (OFDM): BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM 802.11ax(OFDM, OFDMA): BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024QAM</td> </tr> <tr> <td>Antenna Designation: FPC</td> </tr> <tr> <td>Antenna Gain(dBi) 1</td> </tr> </table>	Operation Frequency:	IEEE 802.11b/g/n(20MHz): 2412~2462MHz IEEE 802.11n(40MHz):2422~2452MHz	IEEE 802.11a/n(HT20)/ ac(VHT20)/ax(HE20): 5.180GHz-5.240GHz IEEE 802.11n(HT40)/ ac(VHT40)/ax(HE40): 5.190GHz-5.230GHz IEEE 802.11 ac(VHT80)/ax(HE80): 5.210GHz	IEEE 802.11a/n(HT20)/ ac(VHT20)/ax(HE20): 5.260GHz-5.320GHz IEEE 802.11 n(HT40)/ ac(VHT40)/ax(HE40): 5.270GHz-5.310GHz IEEE 802.11 ac(VHT80)/ax(HE80): 5.290GHz	IEEE 802.11a/n(HT20)/ ac(VHT20)/ax(HE20): 5.500GHz-5.700GHz IEEE 802.11 n(HT40)/ ac(VHT40)/ax(HE40): 5.510GHz-5.670GHz IEEE 802.11 ac(VHT80)/ax(HE80): 5.530GHz-5.610GHz	IEEE 802.11a/n(HT20)/ ac(VHT20)/ax(HE20): 5.745GHz-5.825GHz IEEE 802.11a/n(HT40)/ac(VHT40)/ax(HE40): 5.755GHz-5.795GHz IEEE 802.11 ac(VHT80)/ax(HE80): 5.775GHz	802.11b(DSSS):CCK,DQPSK,DBPSK 802.11g(OFDM):BPSK,QPSK,16-QAM,64-QAM 802.11a(OFDM): BPSK, QPSK, 16-QAM, 64-QAM 802.11n(OFDM): BPSK, QPSK, 16-QAM, 64-QAM 802.11ac (OFDM): BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM 802.11ax(OFDM, OFDMA): BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024QAM	Antenna Designation: FPC	Antenna Gain(dBi) 1
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Antenna Designation: FPC										
Antenna Gain(dBi) 1										
More details of EUT technical specification, please refer to the User Manual.										
Test Channel:	Please refer to the Note 3.									
Rating:	Input: DC 12-17.6V									
Battery:	Capacity: 1950mAh Rated Voltage: 15.4V Max Charge Voltage: 12V									



	Max Charge Current: 2A
Hardware Version:	M05_V1.0.0
Software Version:	Easy Point Access M V1.00.00Beta.apk
Connecting I/O Port(s):	Please refer to the Note 1.

## 1.2 TEST LABORATORY

Company Name:	Shenzhen LGT Test Service Co., Ltd.
Address:	Room 205, Building 13, Zone B, Zhenxiong Industrial Park, No.177, Renmin West Road, Jinsha, Kengzi Street, Pingshan District, Shenzhen, Guangdong, China
Accreditation Certificate	A2LA Certificate No.: 6727.01
	FCC Registration No.: 746540
	CAB ID: CN0136



## 2. FCC 47CFR §2.1093 REQUIREMENT

### 2.1 TEST STANDARDS

RF EXPOSURE EVALUATION METHOD- KDB 447498 D01V06

#### SAR Test Exclusion Thresholds for 100 MHz - 6 GHz and $\leq 50$ mm

Approximate SAR Test Exclusion Power Thresholds at Selected Frequencies and Test Separation Distances are illustrated in the following Table.

MHz	5	10	15	20	25	mm
150	39	77	116	155	194	SAR Test Exclusion Threshold (mW)
300	27	55	82	110	137	
450	22	45	67	89	112	
835	16	33	49	66	82	
900	16	32	47	63	79	
1500	12	24	37	49	61	
1900	11	22	33	44	54	
2450	10	19	29	38	48	
3600	8	16	24	32	40	
5200	7	13	20	26	33	
5400	6	13	19	26	32	
5800	6	12	19	25	31	

Note: 10-g Extremity SAR Test Exclusion Power Thresholds are 2.5 times higher than the 1-g SAR Test Exclusion Thresholds indicated above. These thresholds do not apply, by extrapolation or other means, to occupational exposure limits.

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq 50$  mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR, where  $f(\text{GHz})$  is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation

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.



## 2.5 TEST RESULT

### Turn up Result

Mode	Turn up Power
2.4G WIFI-802.11b	5±1dBm
2.4G WIFI-802.11g	5±1dBm
2.4G WIFI-802.11n(HT20)	5±1dBm
2.4G WIFI-802.11n(HT40)	5±1dBm
5G WIFI-802.11a	6±1dBm
5G WIFI-802.11n(HT20)	6±1dBm
5G WIFI-802.11n(HT40)	6±1dBm
5G WIFI-802.11ac(VHT20)	6±1dBm
5G WIFI-802.11ac(VHT40)	6±1dBm
5G WIFI-802.11ac(VHT80)	6±1dBm
5G WIFI-802.11ax(HE20)	6±1dBm
5G WIFI-802.11ax(HE40)	6±1dBm
5G WIFI-802.11ax(HE80)	6±1dBm





**The result of worst mode:**

**2.4G WIFI**

ANT Gain (G)

Antenna number: 1

Antenna A gain : 1dBi

MIMO technology Directional gain=1dBi

(gain of antenna in linear scale=1.259)

Mode	frequency (GHz)	Maximum Peak Conducted Output Power (dBm)	Tune up Power (dBm)	Tune up Power (mW)	Result	Limit
2.4G WIFI	2.422	5.55	6	3.98	1.2391	3

**5G WIFI**

ANT Gain (G)

Antenna number: 2

Antenna A gain : 1dBi

Antenna B gain : 1dBi

MIMO technology Directional gain= 4.01dBi

(gain of antenna in linear scale=2.518)

Mode	frequency (GHz)	Maximum Peak Conducted Output Power (dBm)	Tune up Power (dBm)	Tune up Power (mW)	Result	Limit
5G WIFI	5.5	6.97	7	5.01	2.3508	3

**Note:**

2.4G WiFi& 5G WiFi can not Synchronous transmission; only the worst case recorded.

Threshold at which no SAR required is  $2.3508 \leq 3$  for 1-g SAR, Separation distance is 5mm.

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