RF TEST REPORT

Product Name: MDVR

Model Name: M10 PRO, M10

FCC ID: 2AM6L-M10

Issued For : Streamax Technology Co., Ltd.

21-23/F, Building B1, Zhiyuan, No. 1001 Xueyuan Avenue, Nanshan District,Shenzhen, Guangdong China 518055

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

Room 205, Building 13, Zone B, Zhenxiong Industrial Park, No.177, Renmin West Road, Jinsha, Kengzi Street, Pingshan District, Shenzhen, Guangdong, China

Report Number:	LGT25G120HA01
Sample Received Date:	Jul. 14, 2025
Date of Test:	Jul. 14, 2025 ~ Aug. 04, 2025
Date of Issue:	Aug. 04, 2025

TEST REPORT CERTIFICATION

Applicant:	Streamax Technology Co., Ltd.
Address:	21-23/F, Building B1, Zhiyuan, No. 1001 Xueyuan Avenue, Nanshan District,Shenzhen, Guangdong China 518055
Manufacturer:	Streamax Technology Co., Ltd.
Address:	21-23/F, Building B1, Zhiyuan, No. 1001 Xueyuan Avenue, Nanshan District,Shenzhen, Guangdong China 518055
Product Name:	MDVR
Trademark:	N/A
Model Name:	M10 PRO
Series Model:	M10
Sample Status:	Normal

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC 47 CFR §2.1091 KDB 447498 D01 General RF Exposure Guidance v06	PASS

Prepared by:

Zane Shan

Zane Shan
Engineer

Approved by:

Vita Li
Technical Director

TABLE OF CONTENTS

Revision History

Rev.	Issue Date	Revisions
00	Aug. 04, 2025	Initial Issue

1. GENERAL INFORMATION

1.1 GENERAL DESCRIPTION OF THE EUT

Product Name:	MDVR	
Trademark:	N/A	
Test Model Name:	M10 PRO	
Series Model:	M10	
Model Different:	M10 PRO is the main test model, M10 is the series model. and PRO is an upgraded version, Has the same wireless transmission technology.	
Frequency Bands:	2.4G WLAN	IEEE 802.11b/g/n(20MHz): 2412~2462MHz IEEE 802.11n(40MHz):2422~2452MHz
	5G WLAN	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 802.11a/n(HT20)/ac(VHT20) /ax(HE20): 5.745GHz-5.825GHz IEEE 802.11a/n(HT40)/ac(VHT40) / ax(HE40): 5.755GHz-5.795GHz
	WCDMA	Band V: 824 MHz ~ 849 MHz Band II: 1850 MHz ~ 1910 MHz Band IV: 1710 MHz ~ 1755 MHz
	LTE	LTE Band 2:1850~1910MHz LTE Band 4:1710~1755MHz LTE Band 5: 824~849MHz LTE Band 12: 699-716MHz LTE Band 13: 777-787MHz LTE Band 14: 788-798MHz LTE Band 66: 1710-1780MHz LTE Band 71: 663-698MHz
Rating:	Input: DC12V~24V	
Hardware Version:	N/A	
Software Version:	N/A	

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 §2.1091 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			
0.3-3.0	614	1.63	*(100)
3.0-30	1842/f	4.89/f	*($900/f^2$)
30-300	61.4	0.163	1.0
300 - 1500	--	--	F/300
1500 – 100000	--	--	5.0
Limits for General population / Uncontrolled Exposure			
0.3-1.34	614	1.63	*(100)
1.34-30	824/f	2.19/f	*($180/f^2$)
30-300	27.5	0.073	0.2
300 - 1500	--	--	F/1500
1500 – 100000	--	--	1.0

F= Frequency in MHz

* = Plane-wave equivalent power density.

Friss Formula

Friss Transmission Formula: $Pd = (Pout * G) / (4*pi*r^2)$

Where

Pd = power density in mW/cm^2

Pout = output power to antenna in mW

G = gain of antenna in linear scale

Pi = 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 EUT OPERATION CONDITION

EUT was enabled to transmit and receive at lowest, middle and highest channels.

2.4 CLASSIFICATION

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. Warning statement to the user for keeping at least 20cm or more separation distance from the antenna should be included in the User manual. So, this device is classified as Mobile device.

2.5 TEST RESULT

Turn up Result

Mode	Turn up Power
WCDMA B2	21±1dBm
WCDMA B4	19±1dBm
WCDMA B5	23.5±1dBm
LTE B2	19±1dBm
LTE B4	18±1dBm
LTE B5	24±1dBm
LTE B12	23.5±1dBm
LTE B13	23.5±1dBm
LTE B14	24±1dBm
LTE B66	18±1dBm
LTE B71	23.5±1dBm
2.4G WIFI-802.11b	12±1dBm
2.4G WIFI-802.11g	11±1dBm
2.4G WIFI-802.11n(HT20)	11±1dBm
2.4G WIFI-802.11n(HT40)	10±1dBm
2.4G WIFI-802.11ax(HE40)	11±1dBm
2.4G WIFI-802.11ax(HE40)	10±1dBm
5G WIFI-802.11a	10±1dBm
5G WIFI-802.11n(HT20)	9±1dBm
5G WIFI-802.11n(HT40)	10±1dBm
5G WIFI-802.11ac(VHT20)	9.5±1dBm
5G WIFI-802.11ac(VHT40)	10±1dBm
5G WIFI-802.11ax(HE20)	10±1dBm
5G WIFI-802.11ax(HE40)	9.5±1dBm

The MPE result of worst mode:

RF Function	Frequency (MHz)	Max Turn up Power (dBm)	Duty cycle factor	Max Power (dBm)	Max Power (mW)	ANT Gain (dBi)	ANT Gain (gain of antenna in linear scale)	Power Density (mW/cm²)	Limit (mW/cm²)	Ratio	Result
WCDMA	846.6	24.5	0	24.5	281.84	1.98	1.58	0.088	0.564	0.157	Pass
LTE	2595	25	0	25	316.23	1.98	1.58	0.099	1.000	0.099	Pass

RF Function	Frequency (MHz)	Max Turn up Power (dBm)	Max Turn up Power (mW)	ANT Gain (dBi)	ANT Gain (gain of antenna in linear scale)	Power Density (mW/cm²)	Limit (mW/cm²)	Ratio	Result
2.4G WIFI	2437	13.00	19.95	5	3.16	0.013	1	0.013	Pass
5G WIFI	5580	11.00	12.59	5.3	3.39	0.008	1	0.008	Pass

Multiple transmission: 0.157+0.013 =0.17 < 1

Note:

1. The Maximum Power Density is less than the limit, complies with the exemption requirements.

※※※※※END OF THE REPORT※※※※※