



EMF TEST REPORT

Product Name: FMS Gateway

Model Number: GT1 Pro

FCC ID: 2AM6L-GT1P

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: LGT25K078HA02

Sample Received Date: Nov. 12, 2025

Date of Test: Nov. 12, 2025 ~ Nov. 26, 2025

Date of Issue: Nov. 26, 2025

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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: FMS Gateway

Trademark: Streamax

Model Number: GT1 Pro

Sample Status: Normal

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

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Revision History

Rev.	Issue Date	Revisions
00	Nov. 26, 2025	Initial Issue



1. GENERAL INFORMATION

1.1 GENERAL DESCRIPTION OF THE EUT

Product Name:	FMS Gateway	
Test Model Number:	GT1 Pro	
Series Number:	N/A	
Model Difference:	N/A	
Frequency Bands:	Bluetooth	2402-2480MHz
	2.4G WLAN	802.11b/g/n/ax(20MHz): 2412~2462MHz 802.11n/ax(40MHz):2422~2452MHz
	GSM	850: 824 MHz ~ 849MHz 1900: 1850 MHz ~ 1910MHz
	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 7:2500~2570MHz LTE Band 12: 699-716MHz LTE Band 13: 777-787MHz LTE Band 17:704~716MHz LTE Band 25: 1850-1915MHz LTE Band 26: 814-824MHz/824-849MHz LTE Band 38: 2570-2620MHz LTE Band 40: 2305-2315MHz/2350-2360MHz LTE Band 41: 2496-2690MHz
Rating:	Input: DC 9-36V	
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:	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: $P_d = (P_{out} * G) / (4 * \pi * r^2)$

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 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
GSM 850	33±1dBm
GSM 1900	30±1dBm
WCDMA B2	23±1dBm
WCDMA B4	24±1dBm
WCDMA B5	24±1dBm
LTE B2	24±1dBm
LTE B4	24.3±1dBm
LTE B5	24±1dBm
LTE B7	23±1dBm
LTE B12	23.5±1dBm
LTE B13	23.3±1dBm
LTE B25	24.5±1dBm
Band26(814-824)	24.5±1dBm
Band26(824-849)	25±1dBm
LTE B38	23.5±1dBm
Band40(2305-2315)	19.8±1dBm
Band40(2350-2360)	19.7±1dBm
LTE B41	21.6±1dBm
BT-GFSK	0.5±1dBm
BT- π /4-DQPSK	2.5±1dBm
BT-8DPSK	3±1dBm
BLE 1M-GFSK	0±1dBm
BLE 2M-GFSK	0±1dBm
2.4G WIFI-802.11b	17±1dBm
2.4G WIFI-802.11g	16±1dBm
2.4G WIFI-802.11n(HT20)	16±1dBm
2.4G WIFI-802.11n(HT40)	16±1dBm
2.4G WIFI-802.11ax(HE20)	15±1dBm
2.4G WIFI-802.11ax(HE40)	15±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/cm ²)	Limit (mW/cm ²)	Ratio	Result
GSM 850 (1 Slot)	824	34	-9.03	24.97	314.05	3.7	2.34	0.146	0.549	0.267	Pass
GSM 1900 (1 Slot)	1850	31	-9.03	21.97	157.40	1.1	1.29	0.040	1.000	0.040	Pass
WCDMA B2	1850	24	0	24	251.19	1.1	1.29	0.064	1.000	0.064	Pass
WCDMA B4	1710	25	0	25	316.23	-0.6	0.87	0.055	1.000	0.055	Pass
WCDMA B5	824	25	0	25	316.23	3.7	2.34	0.147	0.549	0.268	Pass
LTE B2	1850	25	0	25	316.23	1.1	1.29	0.081	1.000	0.081	Pass
LTE B4	1710	25.5	0	25.5	354.81	-0.6	0.87	0.061	1.000	0.061	Pass
LTE B5	824	25	0	25	316.23	3.7	2.34	0.147	0.549	0.268	Pass
LTE B7	2500	24	0	24	251.19	3.2	2.09	0.104	1.000	0.104	Pass
LTE B12	699	24.5	0	24.5	281.84	-0.8	0.83	0.047	0.466	0.100	Pass
LTE B13	777	24.3	0	24.3	269.15	3.7	2.34	0.126	0.518	0.242	Pass
LTE B25	1850	25.5	0	25.5	354.81	1.1	1.29	0.091	1.000	0.091	Pass
LTE B26	814	26	0	26	398.11	3.7	2.34	0.186	0.543	0.342	Pass
LTE B38	2570	24.5	-1.99	22.51	178.24	3.4	2.19	0.078	1.000	0.078	Pass
LTE B40	2305	20.8	-1.99	18.81	76.03	3.4	2.19	0.033	1.000	0.033	Pass
LTE B41	2496	22.6	-1.99	20.61	115.08	3	2.00	0.046	1.000	0.046	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/cm ²)	Limit (mW/cm ²)	Ratio	Result
BLE	2402	1.00	1.26	0	1.00	0.0003	1	0.0003	Pass
BT	2441	4.00	2.51	0	1.00	0.0005	1	0.0005	Pass
2.4G WIFI	2472	18.00	63.10	0	1.00	0.013	1	0.013	Pass

Multiple transmission: LTE B26+2.4G WIFI=0.342+0.013=0.355 < 1

Note:

1. The RF Exposure is less than the limit, complies with the exemption requirements.

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