

MPE Evaluation Report

Applicant MeiG Smart Technology Co., Ltd
FCC ID 2APJ4-SLM750VAT
Product SLM750
Brand MEIGLink
Model SLM750
Report No. EFTA26070357-IE-03-M1V1
Issue Date September 20, 2026

Eurofins TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **FCC 47 CFR Part 1 §1.1310, §2.1091**. The test results show that the equipment tested can demonstrate compliance with the requirements as documented in this report.



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Version	Revision Description	Issue Date
Rev.0	Initial issue of report.	August 28, 2026
Rev.1	Updated data. Updated information. Update description.	September 20, 2026
Note: This revised report (Report No.: EFTA26070357-IE-03-M1V1) supersedes and replaces the previously issued report (Report No.: EFTA26070357-IE-03-M1). Please discard or destroy the previously issued report and dispose of it accordingly.		

Table of Contents

1	Test Laboratory	4
1.1	Notes of the Test Report.....	4
1.2	Test Facility.....	4
1.3	Testing Location.....	4
2	Description of Equipment Under Test	5
3	Maximum Tune up and Antenna Gain	7
4	MPE Limit.....	9
5	RF Exposure Evaluation Result.....	11
	ANNEX A: The EUT Appearance	12

1 Test Laboratory

1.1 Notes of the Test Report

This report shall not be reproduced except in full, without the written approval of **Eurofins TA Technology (Shanghai) Co., Ltd.** The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. Measurement Uncertainties were not taken into account and are published for informational purposes only. This report is written to support regulatory compliance of the applicable standards stated above.

1.2 Test Facility

FCC (Designation number: CN1179, Test Firm Registration Number: 446626)

Eurofins TA Technology (Shanghai) Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform measurements.

1.3 Testing Location

Company: Eurofins TA Technology (Shanghai) Co., Ltd.
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2 Description of Equipment Under Test

Client Information

Applicant	MeiG Smart Technology Co., Ltd
Applicant address	2nd Floor, Office Building, No.5 Lingxia Road, Fenghuang, Fuyong Street, Bao'an District, Shenzhen
Manufacturer	MeiG Smart Technology Co., Ltd
Manufacturer address	2nd Floor, Office Building, No.5 Lingxia Road, Fenghuang, Fuyong Street, Bao'an District, Shenzhen

General Technologies

EUT Description			
Model	SLM750		
IMEI	866174070137837		
Hardware Version	SLM750-V_MB_V1.01		
Software Version	SLM750-V_4.0.18_EQ101		
Frequency	Band	TX (MHz)	RX (MHz)
	GSM 850	824 ~ 849	869 ~ 894
	PCS 1900	1850 ~ 1910	1930 ~ 1990
	WCDMA B2	1850 ~ 1910	1930 ~ 1990
	WCDMA B4	1710 ~ 1755	2110 ~ 2155
	WCDMA B5	824 ~ 849	869 ~ 894
	LTE Band 2	1850 ~ 1910	1930 ~ 1990
	LTE Band 4	1710 ~ 1755	2110 ~ 2155
	LTE Band 5	824 ~ 849	869 ~ 894
	LTE Band 12	699 ~ 716	729 ~ 746
	LTE Band 13	777 ~ 787	746 ~ 756
	LTE Band 14	788 ~ 798	758 ~ 768
	LTE Band 25	1850 ~ 1915	1930 ~ 1995
	LTE Band 41	2496 ~ 2690	2496 ~ 2690
	LTE Band 66	1710 ~ 1780	2110 ~ 2180
	LTE Band 71	663 ~ 698	617 ~ 652
Date of Testing	July 31, 2026 ~ August 17, 2026		
Date of Sample Received	July 28, 2026		
Note:			
1. The EUT is sent from the applicant to Eurofins TA and the information of the EUT is declared			

by the applicant.

2. All indications of Pass/Fail in this report are opinions expressed by Eurofins TA Technology (Shanghai) Co., Ltd. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only.

3 Maximum Tune up and Antenna Gain

The numeric gain (G) of the antenna with a gain specified in dB is determined by

$$\text{Numeric gain (G)} = 10^{(\text{antenna gain}/10)}$$

According to specification 3GPP TS 51.010, the maximum power of the GSM can do the power reduction for the multi-slot. The allowed power reduction in the multi-slot configuration is as following:

Number of timeslots in uplink assignment	Permissible nominal reduction of maximum output power (dB)
1	0
2	0 to 3,0
3	1,8 to 4,8
4	3,0 to 6,0

Each Tx slots maximum tune up use the strictest factor for evaluation by making calculation.

Therefore, for the GSM bands, the theoretical maximum tune up is as follows:

Band		Burst-Averaged output power (adjusted for tune up) (dBm)	Division Factors	Frame-Averaged output power (adjusted for tune up) (dBm)
GSM850	GSM	35.00	-9.03	25.97
	1 Txslot	35.00	-9.03	25.97
	2 Txslots	35.00	-6.02	28.98
	3 Txslots	33.20	-4.26	28.94
	4 Txslots	32.00	-3.01	28.99
GSM1900	GSM	32.00	-9.03	22.97
	1 Txslot	32.00	-9.03	22.97
	2 Txslots	32.00	-6.02	25.98
	3 Txslots	30.20	-4.26	25.94
	4 Txslots	29.00	-3.01	25.99

Note:

Division Factors

To average the power, the division factor is as follows:

1Txslot = 1 transmit time slot out of 8 time slots

=> conducted power divided by (8/1) => -9.03 dB

2Txslots = 2 transmit time slots out of 8 time slots

=> conducted power divided by (8/2) => -6.02 dB

3Txslots = 3 transmit time slots out of 8 time slots

=> conducted power divided by (8/3) => -4.26 dB

4Txslots = 4 transmit time slots out of 8 time slots

=> conducted power divided by (8/4) => -3.01 dB

So, the maximum tune up results for each band are as follows:

Band	Maximum Tune up Tolerance		Antenna Gain (dBi)	Numeric Gain
	(dBm)	(mW)		
GSM 850	28.99	792.50	-0.80	0.83
PCS 1900	25.99	397.19	-0.80	0.83
WCDMA B2	25.00	316.23	-0.80	0.83
WCDMA B4	25.00	316.23	-1.40	0.72
WCDMA B5	25.00	316.23	-0.80	0.83
LTE Band 2	25.00	316.23	-0.80	0.83
LTE Band 4	25.00	316.23	-1.40	0.72
LTE Band 5	25.00	316.23	-0.80	0.83
LTE Band 12	25.00	316.23	1.30	1.35
LTE Band 13	25.00	316.23	1.70	1.48
LTE Band 14	25.00	316.23	1.70	1.48
LTE Band 25	25.00	316.23	-0.80	0.83
LTE Band 41	25.00	316.23	2.40	1.74
LTE Band 66	25.00	316.23	-1.40	0.72
LTE Band 71	25.00	316.23	0.30	1.07

4 MPE Limit

According to section 1.1310 of FCC 47 CFR Part 1, limits for maximum permissible exposure (MPE) are as following.

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(i) LIMITS FOR OCCUPATIONAL/CONTROLLED EXPOSURE				
0.3-3.0	614	1.63	*(100)	≤6
3.0-30	1842/f	4.89/f	*(900/f ²)	<6
30-300	61.4	0.163	1.0	<6
300-1,500			f/300	<6
1,500-100,000			5	<6
(ii) LIMITS FOR GENERAL POPULATION/UNCONTROLLED EXPOSURE				
0.3-1.34	614	1.63	*(100)	<30
1.34-30	824/f	2.19/f	*(180/f ²)	<30
30-300	27.5	0.073	0.2	<30
300-1,500			f/1500	<30
1,500-100,000			1.0	<30

*f = frequency in MHz. * = Plane-wave equivalent power density.*

Note1. Occupational/controlled limits apply in situations in which persons are exposed as a consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure. Limits for occupational/controlled exposure also apply in situations when an individual is transient through a location where occupational / controlled limits apply provided he or she is made aware of the potential for exposure.

Note2: General population/uncontrolled exposures apply in situations in which the general public may be exposed, or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or can not exercise control over their exposure.

The maximum permissible exposure for 300~1500 MHz is $f/1500$, for 1500~100,000MHz is 1.0. So

Band	The Maximum Permissible Exposure (mW/cm ²)
GSM850	0.549
GSM1900	1.000
WCDMA B2	1.000
WCDMA B4	1.000
WCDMA B5	0.549
LTE Band 2	1.000
LTE Band 4	1.000
LTE Band 5	0.549
LTE Band 12	0.466
LTE Band 13	0.518
LTE Band 14	0.525
LTE Band 25	1.000
LTE Band 41	1.000
LTE Band 66	1.000
LTE Band 71	0.442

5 RF Exposure Evaluation Result

RF exposure evaluation method is based on KDB 447498 D01, this calculation is based on the conducted power, maximum power and antenna gain with provides the minimum separation distance. The formula shown below is from OET Bulletin 65 Edition 97-01 Per KDB 447498 D01:

$$S = PG / 4\pi R^2$$

Where: S = power density (in appropriate units, e.g. mW/cm²)

P = Time-average maximum tune up procedure (in appropriate units, e.g., mW)

G = the numeric gain of the antenna

R = distance to the center of radiation of the antenna (20 cm = limit for MPE)

Band	Maximum Tune up (dBm)	Antenna Gain (dBi)	Maximum EIRP (dBm)	PG (mW)	Result (mW/cm ²)	Limit Value (mW/cm ²)	The MPE Ratio
GSM850	28.990	-0.800	28.190	659.174	0.131	0.549	0.239
GSM1900	25.990	-0.800	25.190	330.370	0.066	1.000	0.066
WCDMA B2	25.000	-0.800	24.200	263.027	0.052	1.000	0.052
WCDMA B4	25.000	-1.400	23.600	229.087	0.046	1.000	0.046
WCDMA B5	25.000	-0.800	24.200	263.027	0.052	0.549	0.095
LTE Band 2	25.000	-0.800	24.200	263.027	0.052	1.000	0.052
LTE Band 4	25.000	-1.400	23.600	229.087	0.046	1.000	0.046
LTE Band 5	25.000	-0.800	24.200	263.027	0.052	0.549	0.095
LTE Band 12	25.000	1.300	26.300	426.580	0.085	0.466	0.182
LTE Band 13	25.000	1.700	26.700	467.735	0.093	0.518	0.180
LTE Band 14	25.000	1.700	26.700	467.735	0.093	0.525	0.177
LTE Band 25	25.000	-0.800	24.200	263.027	0.052	1.000	0.052
LTE Band 41	25.000	2.400	27.400	549.541	0.109	1.000	0.109
LTE Band 66	25.000	-1.400	23.600	229.087	0.046	1.000	0.046
LTE Band 71	25.000	0.300	25.300	338.844	0.067	0.442	0.153
Note: R = 20cm $\pi = 3.1416$ The MPE Ratio = Mac Result÷Limit Value							

This device does not support transmit simultaneously.

So, the limit is kept.

Note: For this device, minimum separation distance is 20cm, even if calculations indicate MPE distance is less.

ANNEX A: The EUT Appearance

The EUT Appearance are submitted separately.

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