



Product Name: Smiirl Counter	Report No: FCC022022-05615RF14
Product Model: LI7D	Security Classification: Open
Version: V1.0	Total Page: 5

TIRT Testing Report



Prepared By:	Checked By:	Approved By:	
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FCC RF EXPOSURE REPORT

FCC ID: 2AC8OCOUNTV2

Equipment	:	Smiirl Counter
Trade Mark	:	SMIIRL
Model Number	:	LI7D, LI5D, FF5D, FF7D, FO5D, FO7D, CU5D, CU7D, CUSH5D, CUSH7D (They have the same circuit principle, appearance and performance, but they are different for different customer configurations .Since only the measurement configuration (software function) of LI7D is different from other models, and it does not affect the wireless test, so, we choose the LI7D as the DUT (device under test) to cover all the models.)
Product No.	:	20221026018929
Applicant	:	SMIIRL SAS
Address	:	10 RUE DE PENTHIEVRE, 75008 PARIS, FRANCE
Manufacturer	:	SMIIRL SAS
Address	:	10 RUE DE PENTHIEVRE, 75008 PARIS, FRANCE
Date of Test	:	2022.10.14-2022.10.28
Issued Date	:	2022.11.02
Report Version	:	V1.0
Test Sample	:	Final Sample
Standard(s)	:	FCC 47 CFR Part 1.1310 & FCC 47 CFR Part 2.1091

- The above equipment has been tested and found compliance with the requirement of the relative standards by TIRT Inc.
- The test result referred exclusively to the presented test model /sample.
- Without written approval of TIRT Inc., the test report shall not be reproduced except in full.

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History of this test report

Original Report Issue Date: 2022.11.02

- No additional attachment
- Additional attachments were issued following record

Attachment No.	Issue Date	Description

1. MPE CALCULATION METHOD

Calculation Method of RF Safety Distance:

$$S = \frac{PG}{4\pi r^2} = \frac{EIRP}{4\pi r^2}$$

where:

S = power density

P = power input to the antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna

Table for Filed Antenna

For 2.4GWiFi

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	PCB	N/A	4.33

2. TEST RESULTS

Operating Mode	Freq.	Maximum conducted average output power	Max. positive tolerance according manufacturer	Antenna Gain	Calculated maximum EIRP		MPE Limit	MPE Value
					(MHz)	(dBm)	(dBi)	(dBm)
IEEE 802.11b	2412-2462	18.94	1	4.33	24.27	267.3006	1	0.0532
IEEE 802.11g	2412-2462	18.34	1	4.33	23.67	232.8091	1	0.0463
IEEE 802.11n-HT20	2412-2462	18.22	1	4.33	23.55	226.4644	1	0.0451
IEEE 802.11n-HT40	2422-2452	18.55	1	4.33	23.88	244.3431	1	0.0486

Note: The calculated distance is 20 cm.

(END OF REPORT)