FCC RF Exposure Report

FCC ID	:	**SUFTRKRF10**
Equipment	:	**2.4G RF MODULE_BL10**
Model No.	:	**TRK-RF-10**
Brand Name	:	**DIGI**
Applicant	:	**DIGI SINGAPORE PTE LTD**
Address	:	**4 Leng Kee Rd, #05-03/04/05&11, SIS Building, Singapore 159088**
Standard	:	**47 CFR FCC Part 2.1093**
Received Date	:	**Nov. 21, 2022**
Tested Date	:	**Nov. 23 ~ Dec. 01, 2022**

We, International Certification Corporation, would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It shall not be reproduced except in full without the written approval of our laboratory.

Reviewed by:	**Approved by:**
Along Chen / Assistant Manager	**Gary Chang / Manager**

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Release Record

Report No.	Version	Description	Issued Date
FA2N2105	Rev. 01	Initial issue	Jan. 16, 2023

1 EXPOSURE EVALUATION OF PORTABLE DEVICES

1.1 SAR-BASED EXEMPTION

Power Thresholds (mW)

Frequency (MHz)	Distance (mm)									
	5	10	15	20	25	30	35	40	45	50
300	39	65	88	110	129	148	166	184	201	217
450	22	44	67	89	112	135	158	180	203	226
835	9	25	44	66	90	116	145	175	207	240
1900	3	12	26	44	66	92	122	157	195	236
2450	3	10	22	38	59	83	111	143	179	219
3600	2	8	18	32	49	71	96	125	158	195
5800	1	6	14	25	40	58	80	106	136	169

1.2 REFERENCE GUIDANCE

447498 D04 Interim General RF Exposure Guidance v01

1.3 DEVIATION FROM TEST STANDARD AND MEASUREMENT PROCEDURE

None

1.4 MEASUREMENT UNCERTAINTY

The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)).

Parameters	Uncertainty
Conducted power	±0.808 dB

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

1.5 EVALUATION RESULTS

Frequency Range (MHz)	Max Average Field strength (dBuV/m)	EIRP (dBm)	ERP (dBm)	Antenna Gain (dBi)	Conducted Power (dBm)	Limit (dBm)	Pass/ Fail
2402 ~ 2480	58.77	-36.43	-38.58	-0.61	-35.82	4.77	Pass

Note: E(dBuv/m) = P(dBm EIRP) + 95.2

Conclusion

Conducted power and ERP is < power threshold (3mW / 4.77dBm). Therefore, SAR test is not required.

2 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corporation (EMC and Wireless Communication Laboratory), it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan District. Location map can be found on our website http://www.icertifi.com.tw.

Linkou	**Kwei Shan**	**Kwei Shan Site II**
Tel: 886-2-2601-1640	Tel: 886-3-271-8666	Tel: 886-3-271-8640
No.30-2, Ding Fwu Tsuen, Lin Kou District, New Taipei City, Taiwan (R.O.C.)	No.3-1, Lane 6, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.) No.2-1, Lane 6, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)	No.14-1, Lane 19, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 333, Taiwan (R.O.C.)

If you have any suggestion, please feel free to contact us as below information.

Tel: 886-3-271-8666
Fax: 886-3-318-0345
Email: ICC_Service@icertifi.com.tw

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