시 험 성 적 서
TEST REPORT

성적서 번호 Report No.		ICRT-TR-E191945-0A
신청자 Client	기관명 Name	Tau Co. Ltd
	주 소 Address	A-Ram B/D the third floor, Donggwangno 89, jejusi, Jeju Special Self-Governing Province
시험대상품목 Sample description		T Dongle BLE
모델명 Type designation		TDNG-V10
정 격 Ratings		DC 5 V
시험기간 Date of test		21. Oct, 2019 ~ 23. Oct, 2019
시험방법/항목 Test Method/Item		FCC Part 15 Subpart C §15.247
시험결과 Test Results		Refer to 3. Maximum Permissible Exposure
확 인 Affirmation	작성자 Tested by 성 명 Name	(서 명) Hong-Kyu, Lee (Signature)
	기술책임자 Technical Manager 성 명 Name	(서 명) Jun-Hui, Lee (Signature)

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This is certified that the above mentioned products have been tested for the sample provided by customer and forbid the use except for original purpose.

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2019. 10. 24

주식회사 아이씨알 대표이사

The head of INTERNATIONAL CERTIFICATION REGISTRAR

Contents

Revision History

Issued Report No.	Issued Date	Revisions	Effect Section
ICRT-TR-E191945-0A	24-Oct-2019	Initial Issue	All

1. Applicant & Manufacturer & Test Laboratory Information

1.1 Applicant information

Applicant	Tau Co. Ltd
Address	A-Ram B/D the third floor, Donggwangno 89, jejusi, Jeju Special Self-Governing Province
Contact Person	Jong Heon Lee
Telephone No.	+82-64-722-2995
Fax No.	+82-64-722-2997
E-mail	vagrant1@empas.com

1.2 Manufacturer Information

Manufacturer	Tau Co. Ltd
Address	A-Ram B/D the third floor, Donggwangno 89, jejusi, Jeju Special Self-Governing Province

1.3 Test Laboratory Information

Conducted tests were performed at	
Laboratory	ICR Co., Ltd.
Address	112, Hwanggeum 3-ro 7beon-gil, Hagun-ri, Yangchon-eup, Gimpo-si, Gyeonggi-do, Korea
Telephone No.	+82-2-6351-9002
Fax No.	+82-2-6351-9007
RRA No.	KR0165
KOLAS No.	KT652

2. Equipment under Test(EUT) Information

2.1 General Information

Product Name	T Dongle BLE
Brand Name	-
Model Name	TDNG-V10
Additional Model Name	-
FCC ID	2ARRYTDONGLEBLE
Hardware Version	-
Software Version	-
Power Supply	DC 5 V

2.2 Additional Information

Equipment Class	DTS-Digital Transmission System
Device Type	Stand-alone
Operating Frequency	2 402 ㎒ ~ 2 480 ㎒
RF Output Power	2.40 dBm
Number of Channel	40
Modulation Type	GFSK
Antenna Type	Chip Antenna
Antenna Gain	0.5 dBi
Antenna Operating Mode	Single Antenna Equipment with only one antenna
List of Each Oscillator or Crystal Frequency	32 ㎒

2.3 Mode of operation during the test

- The EUT is continuous transmission mode during the test

2.4 Modifications of EUT

- None

3. Maximum Permissible Exposure

3.1 RF Exposure calculation

According to the FCC rule §1.1310, the limit for General Population/Uncontrolled exposure is 1 ㎽/㎠ for the device operating 1 500 ㎒ ~ 100 000 ㎒.

Kind of EUT	T Dongle BLE
Operating Frequency Band	□ WLAN(802.11b/g/n(HT20)): 2 412 ㎒ ~ 2 462 ㎒ □ WLAN(802.11n(HT40)): 2 422 ㎒ ~ 2 452 ㎒ □ WLAN: 5 180 ㎒ ~ 5 320 ㎒ / 5 500 ㎒ ~ 5 700 ㎒ □ WLAN: 5 745 ㎒ ~ 5 825 ㎒ ■ Bluetooth: 2 402 ㎒ ~ 2 480 ㎒
Max. Output Power	2.40 dBm
Exposure Evaluation Applied	□ MPE □ SAR ■ N/A

3.2 Result

According to the procedure, KDB 447498 D01, the standalone SAR test exclusion threshold is

[(Max. Power of channel, including tune-up tolerance, ㎽) / (Min. test separation distance, ㎜)] x [√f(㎓)] < 3

= (1.95/5) x $\sqrt{2.480}$ = 0.61

Conclusion: The SAR test exclusion threshold is less than 3, so the device meets the RF Exposure Requirement and excluded SAR Test.

Operating Mode	Frequency (㎒)	Target Power W / tolerance	Max tune up power		Separation distance (㎜)	RF exposure
		(dBm)	(dBm)	(㎽)		
Bluetooth LE	2 480	2.40 ± 0.5	2.9	1.95	5	0.61