



# 시험 성적서 TEST REPORT

페이지(page) : ( 1 ) / ( 총 5 )

성적서 번호 Report No.		ICRT-TR-E181666-0A	
신청자 Client	기관명 Name	Sentech Korea Corp	
	주소 Address	21-6, Jimokro75-gil, Paju-Si, Gyeonggi-Do, 10880, Republic of Korea	
시험대상품목 Sample description		Breathanalyzer	
모델명 Type designation		AL8800BT	
정격 Ratings		DC 3 V	
시험기간 Date of test		Nov. 26, 2018 ~ Nov. 28, 2018	
시험방법/항목 Test Method/Item		FCC Part 15 Subpart C §15.247	
시험결과 Test Results		Refer to 3.3 Calculated MPE Safe Distance	
확인 Affirmation	작성자 Tested by	기술책임자 Technical Manager	
	성명 Name	Hong-Kyu, Lee (Signature)	성명 Name
			(서명) Jun-Hui, Lee (Signature)
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### Revision History

Issued Report No.	Issued Date	Revisions	Effect Section
ICRT-TR-E181666-0A	12-Dec-2018	Initial Issue	All



# **1. Applicant & Manufacturer & Test Laboratory Information**

## **1.1 Applicant information**

Applicant	Sentech Korea Corp
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Contact Person	JunNo Lee
Telephone No.	+82-10-5028-0706
Fax No.	+82-31-8071-4411
E-mail	jnlee@sentechkorea.com

## **1.2 Manufacturer Information**

Manufacturer	Sentech Korea Corp
Address	21-6, Jimokro75-gil, Paju-Si, Gyeonggi-Do, 10880, Republic of Korea

## **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	Breathanalyzer
Brand Name	-
Model Name	AL8800BT
Additional Model Name	Elite3-BT, ACE Pluto, Promiler AC-017, ISOBER10
Hardware Version	-
Software Version	-
Power Supply	DC 3 V

### 2.2 Additional Information

Equipment Class	DTS-Digital Transmission System
Device Type	Stand-alone
Operating Frequency	2 402 MHz ~ 2 480 MHz
RF Output Power	-2.58 dBm
Number of Channel	40
Modulation Type	GFSK
Antenna Type	Integral Antenna (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 MHz

### 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 mW/cm<sup>2</sup> for the device operating 1 500 MHz ~ 100 000 MHz.

Kind of EUT	Breathalyzer
Operating Frequency Band	<input type="checkbox"/> WLAN(802.11b/g/n(HT20)): 2 412 MHz ~ 2 462 MHz <input type="checkbox"/> WLAN(802.11n(HT40)): 2 422 MHz ~ 2 452 MHz <input type="checkbox"/> WLAN: 5 180 MHz ~ 5 320 MHz / 5 500 MHz ~ 5 700 MHz <input type="checkbox"/> WLAN: 5 745 MHz ~ 5 825 MHz <input checked="" type="checkbox"/> Bluetooth: 2 402 MHz ~ 2 480 MHz
Max. Output Power	-2.58 dBm
Exposure Evaluation Applied	<input type="checkbox"/> MPE <input type="checkbox"/> SAR <input checked="" type="checkbox"/> N/A

#### 3.2 Result

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

$$[(\text{Max. Power of channel, including tune-up tolerance, mW}) / (\text{Min. test separation distance, mm})] \times [\sqrt{f(\text{GHz})}] < 3$$

$$= (0.62/5) \times \sqrt{2.402} = 0.19$$

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 (MHz)	Target Power W / tolerance	Max tune up power		Separation distance (mm)	RF exposure
		(dBm)	(dBm)	(mW)		
Bluetooth LE	2 402	-2.58 ± 0.5	-2.08	0.62	5	0.19