RF Exposure Measurement and Test Report For

Shenzhen safety electronic technology Co.,Ltd

Prepared For :	Shenzhen safety electronic technology Co.,Ltd A building ,zhangge technology park,dafu industrial area,guanlan town,longhua new district, shenzhen, guangdong ,China .
Product Name:	GAS LEAKAGE DETECTOR
Model :	WIFI-818
Prepared By :	BST Testing (Shenzhen) Co.,Ltd. No.7,New Era Industrial Zone, Guantian,Bao'an District,Shenzhen,Guangdong,China
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Approved & Authorized Signer :

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1 - GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

Applicant:	**Shenzhen safety electronic technology Co.,Ltd**
Address of applicant:	A building ,zhangge technology park,dafu industrial area,guanlan town,longhua new district, shenzhen, guangdong ,China ..
Manufacturer :	**Shenzhen safety electronic technology Co.,Ltd**
Address of manufacturer:	A building ,zhangge technology park,dafu industrial area,guanlan town,longhua new district, shenzhen, guangdong ,China .

General Description of E.U.T

Items	Description
EUT Description:	GAS LEAKAGE DETECTOR
Model No.:	WIFI-818
Supplementary Model:	N/A
Antenna Gain:	0dBi
Rated Voltage:	110~230V AC 50Hz/60HZ

Remark: ** The test data gathered are from the production sample provided by the manufacturer.*
**Supplementary models have the same circuit, only the appearance different.*

1.2 Objective

The objective of the following report is used to demonstrate that EUT operated in a manner that ensures the public is not exposed to radio frequency energy levels in excess of the relative provisions of EN 62479:2010.

1.3 low-power exclusion level

Pmax

Specified condition on device output power, which may also depend on other variables such as frequency and distance of radiating source from persons, such that the exposure level produced by the source will not exceed a specific basic restriction. If the device output power is less than Pmax, then the device is deemed to comply with the basic restrictions

Table A.1 – Example values of SAR-based P_{max} for some cases described by ICNIRP, IEEE Std C95.1-1999 and IEEE Std C95.1-2005

Guideline / Standard	SAR limit, SAR_{max} W/kg	Averaging mass, m g	P_{max} mW	Exposure tier[a]	Region of body[a]
ICNIRP [1]	2	10	20	General public	Head and trunk
	4	10	40	General public	Limbs
	10	10	100	Occupational	Head and trunk
	20	10	200	Occupational	Limbs
IEEE Std C95.1-1999 [2]	1,6	1	1,6	Uncontrolled environment	Head, trunk, arms, legs
	4	10	40	Uncontrolled environment	Hands, wrists, feet and ankles
	8	1	8	Controlled environment	Head, trunk, arms, legs
	20	10	200	Controlled environment	Hands, wrists, feet and ankles
IEEE Std C95.1-2005 [3]	2	10	20	Action level	Body except extremities and pinnae
	4	10	40	Action level	Extremities and pinnae
	10	10	100	Controlled environment	Body except extremities and pinnae
	20	10	200	Controlled environment	Extremities and pinnae
[a] Consult the appropriate standard for more information and definitions of terms.					

1.4 Human Exposure Assessment Results

Max output power in Watt (TP)	RF:11.32dBm (13.552mW)
Pmax(according to the table A.1)	13dBm(20mW)
Conclusion: The max average output power is 11.32dBm (13.552mW)≤13dBm(20mW) Therefore, This proves that the unit complies with the EN 62479:2010 for RF exposure requirement, and the SAR is not required.	

…....End of Report……