

시 험 성 적 서 TEST REPORT

페이지(page): (1)/(총(Total)5)

서 번호 ort No.	ICRT-TR-E192000-0A			
기관명 Name	Seyoung Information & Telecommunication Co., Ltd.			
주 소 Address	298-2, Gongdan-dong, Gum	i-Si, Gyeongsanbuk-do, 730-030, South Korea		
상품목 escription		WIWI		
발명 signation		SH-350M		
격 ings	DC 3.7 V			
기간 of test	Oct. 08, 2019 ~ Oct. 21, 2019			
법/항목 hod/Item	FCC rule §1.1310			
결 과 Results	Refer to 3. Maximum Permissible Exposure			
인 nation	작성자 Tested by 성 명 Name Yeong-Hwan, Hong (화영/K	기술책임자 Technical Manager 성명 (서명) ature) Name Jun-Hui, Lee (Signature)		
	ort No. 기관명 Name 주소 Address 상품목 escription 델명 signation 격 ings 기간 of test 법/항목 hod/Item 결과 Results	Seyoung Informa 지관명 Name 주소 Address 상품목 escription 텔명 signation 격 ings 기간 of test 법/항목 hod/Item 결과 Refer to 3. M Tested by 성명 성명		

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. 30

주식회사 아이씨알 대표이사

The head of INTERNATIONAL CERTIFICATION REGISTRAR



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Revision History

Issued Report No.	Issued Date	Revisions	Effect Section
ICRT-TR-E192000-0A	30-Oct-2019	Initial Issue	All



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1. Applicant & Manufacturer & Test Laboratory Information

1.1 Applicant information

Applicant	Seyoung Information & Telecommunication Co., Ltd.		
Address	298-2, Gongdan-dong, Gumi-Si, Gyeongsanbuk-do, 730-030, South Korea		
Contact Person	YOUNG BAE, PARK		
Telephone No.	+82-54-463-2300		
Fax No.	+82-54-463-2106		
E-mail	lilybulb@eseyoung.com		

1.2 Manufacturer Information

Manufacturer	Seyoung Information & Telecommunication Co., Ltd.		
Address	298-2, Gongdan-dong, Gumi-Si, Gyeongsanbuk-do, 730-030, South 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			
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RRA No.	KR0165			
KOLAS No.	KT652			

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2. Equipment under Test(EUT) Information

2.1 General Information

Product Name	WIWI
Brand Name	-
Model Name	SH-350M
Additional Model Name	-
FCC ID	ZAB-SH-350M
Hardware Version	-
Software Version	-
Power Supply	DC 3.7 V

2.2 Additional Information

Equipment Class	DSS-Part 15 Spread Spectrum Transmitter
Device Type	Stand-alone
Operating Frequency	902.5 MHz ~ 927.25 MHz
RF Output Power	17.70 dBm
Number of Channel	100
Modulation Type	GFSK
Antenna Type	Dipole Antenna
Antenna Gain	0.09 dBd
Antenna Operating Mode	Single Antenna Equipment with only one antenna

2.3 Mode of operation during the test

- The EUT is continuous transmission mode during the test with set at Low Channel, Middle Channel, and High Channel. To get a maximum radiated emission levels from the EUT, the EUT was moved throughout the XY, YZ, XZ planes.

2.4 Modifications of EUT

- None

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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/cm² for the device operating 1 500 $\,$ MHz $\,\sim$ 100 000 $\,$ MHz.

Kind of EUT	WIWI		
Operating Frequency Band	□ WLAN(802.11n(HT4	~ 2 480 MHz	
Max. Output Power	FHSS	17.70 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, mW) / (Min. test separation distance, mm)] $x \left[\sqrt{f(GHz)} \right] < 3$

$$= (0.16/5) \times \sqrt{0.92725} = 0.03$$
 at FHSS

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 (Mtz)	Target Power W / tolerance	Max tune up power (Average power)		3eparation	RF exposure
		(dBm)	(dBm)	(mW)	(mm)	
FHSS	927.25	-8.45 ± 0.5	-7.95	0.16	5.00	0.03

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