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Report No.: GTI20150438F-2

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TEST REPORT

Product Name: WiFi Module

Trademark: \

Model/Type reference: F31953501

Listed Model(s): F31953500

FCC ID.....: RBA-EZSEE-3268

Test Standards: **FCC Per 47 CFR 2.1091**

Applicant: TALITOR (FAR EAST) COMPANY LIMITED

Address of applicant: 6F.-6, No. 646, Sec. 5, Chongsin Rd., Sanchong Dist., New
Taipei City 241, Taiwan

Date of Receipt: Sept. 01, 2015

Date of Test Date.....: Sept. 02, 2015 - Sept. 24, 2015

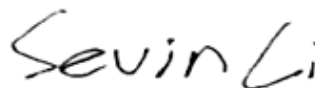
Data of issue.: Sept. 25, 2015

Test result	Pass *
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* In the configuration tested, the EUT complied with the standards specified above

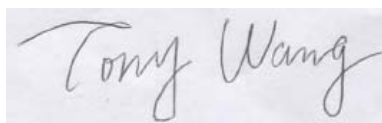
GENERAL DESCRIPTION OF EUT	
Equipment:	WiFi Module
Model Name:	F31953501
Manufacturer:	TALITOR (FAR EAST) COMPANY LIMITED
Manufacturer Address:	6F.-6, No. 646, Sec. 5, Chongsin Rd., Sanchong Dist., New Taipei City 241, Taiwan
Power Rating:	DC 3.3V

Compiled By:



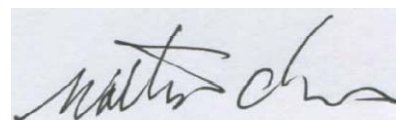
(Sevin Li)

Reviewed By:



(Tony Wang)

Approved By:



(Walter Chen)

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1. SUMMARY

1.1. Test Facility

1.3.1 Address of the test laboratory

Shenzhen GTI Technology Co., Ltd

1F, 2 Block, Jiaquan Building, Guanlan High-tech Park Baoan District, Shenzhen, Guangdong, China

1.3.2 Laboratory accreditation

The test facility is recognized, certified, or accredited by the following organizations:

IC Registration No.: 9783A

The 3m alternate test site of Shenzhen GTI Technology Co., Ltd. EMC Laboratory has been registered by Certification and Engineer Bureau of Industry Canada for the performance of with Registration NO.: 9783A on Aug, 2011.

FCC-Registration No.: 214666

Shenzhen GTI Technology Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 214666, Sep 19, 2011

1.2. Statement of the measurement uncertainty

Test Items	Measurement Uncertainty	Notes
Transmitter power conducted	0.57 dB	(1)

(1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.

2. GENERAL INFORMATION

2.1. Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature:	15~35°C
Relative Humidity:	30~60 %
Air Pressure:	950~1050mba

2.2. General Description of EUT

Product Name:	WiFi Module
Model/Type reference:	F31953501
Listed model:	F31953500
Difference(s) of Model(s):	All the models are same except for sale to different district. The model F31953501 is selected for test
Main Board Model:	BH0708, BH0708w, BH0711, BH0711w, BH0713, BH0713w (More Main Board Models, please refer to the manufacturer)
Power supply:	DC 3.3V
Hardware version:	Tailtor D30713WF0 V1.0
Software version:	1.3.0.5
WIFI :	
Supported type:	802.11b/802.11g/802.11n(H20)/802.11n(H40)
Modulation technology:	802.11b: DSSS 802.11g/802.11n(H20)/802.11n(H40): OFDM
Modulation type:	802.11b: BPSK/QPSK/CCK 802.11g/802.11n(H20)/802.11n(H40): BPSK/QPSK/16QAM/64QAM
Operation frequency:	802.11b/802.11g/802.11n(H20): 2412MHz~2462MHz 802.11n(H40): 2422MHz~2452MHz
Channel number:	802.11b/802.11g/802.11n(H20): 11 802.11n(H40): 7
Channel separation:	5MHz
Antenna type:	Dipole Antenna
Antenna gain:	3dBi

Note: For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

3. Method of measurement

3.1. Applicable Standard

Human exposure to RF emissions from mobile devices (47 CFR §2.1091) may be evaluated based on the MPE limits adopted by the FCC for electric and magnetic field strength and/or power density, as appropriate, since exposures are assumed to occur at distances of 20 cm or more from persons.

3.2. LIMITS FOR GENERAL POPULATION/UNCONTROLLED EXPOSURE

Frequency Range (MHz)	Power Density (mW /cm ²)	Averaging Time (minutes)
300~1500	F/1500	30
1500~100000	1.0	30

3.3. MPE EVALUATION FORMULA

$$Pd = \frac{Pt}{4 * Pi * R^2}$$

Where

Pd= Power density in mW/cm²

Pt= EIRP in mW

Pi= 3.1416

R= Measurement distance

3.4. Evaluation Results

802.11 b

Test Frequency (MHz)	Antenna Gain (Numeric)	Conducted Power (dBm)		Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)	Verdict
		dBm	mW				
2412	1.995	14.55	28.51	20	0.0113	1.0	PASS
2437	1.995	14.89	30.83	20	0.0122	1.0	PASS
2462	1.995	14.61	28.91	20	0.0115	1.0	PASS

802.11 g

Test Frequency (MHz)	Antenna Gain (Numeric)	Conducted Power (dBm)		Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)	Verdict
		dBm	mW				
2412	1.995	11.54	14.26	20	0.0057	1.0	PASS
2437	1.995	12.80	19.05	20	0.0076	1.0	PASS
2462	1.995	12.46	17.62	20	0.0070	1.0	PASS

802.11 n20

Test Frequency (MHz)	Antenna Gain (Numeric)	Conducted Power (dBm)		Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)	Verdict
		dBm	mW				
2412	1.995	11.70	14.79	20	0.0059	1.0	PASS
2437	1.995	11.94	15.63	20	0.0062	1.0	PASS
2462	1.995	11.67	14.69	20	0.0058	1.0	PASS

802.11 n40

Test Frequency (MHz)	Antenna Gain (Numeric)	Conducted Power (dBm)		Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)	Verdict
		dBm	mW				
2422	1.995	11.36	13.68	20	0.0054	1.0	PASS
2437	1.995	11.93	15.60	20	0.0062	1.0	PASS
2452	1.995	12.00	15.85	20	0.0063	1.0	PASS

Conclusion

The measurement results comply with the FCC Limit per 47 CFR 2.1091 for the uncontrolled RF Exposure and SAR Exclusion Threshold.

*****THE END*****