

Radio Test Report

Report No.: RJBCYA-WTW-P20090366

Test Model: SN10-13

Received Date: Sep. 17, 2020

Issued Date: Oct. 20, 2020

Applicant: InnoComm Mobile Technology Corp.

Address: 3F, No. 6, Hsin Ann Rd., Hsinchu Science Park, Hsinchu 30078, Taiwan

Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Hsin Chu Laboratory

Lab Address: E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300,
Taiwan

Test Location: E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300,
Taiwan

This report is for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence, provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents. Unless specific mention, the uncertainty of measurement has been explicitly taken into account to declare the compliance or non-compliance to the specification.

Table of Contents

Release Control Record	3
1 Certificate of Conformity	4
2 General Information	5
2.1 General Description of EUT	5
Appendix - Information of the Testing Laboratories	7

Release Control Record

Issue No.	Description	Date Issued
RJBCYA-WTW-P20090366	Original release	Oct. 20, 2020

1 Certificate of Conformity

Product: SIGFOX Module

Brand: InnoComm

Test Model: SN10-13

Sample Status: ENGINEERING SAMPLE

Applicant: InnoComm Mobile Technology Corp.

Standards: ARIB STD-T108

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

Prepared by : Vivian Huang , **Date:** Oct. 20, 2020
Vivian Huang / Specialist

Approved by : Clark Lin , **Date:** Oct. 20, 2020
Clark Lin / Technical Manager

2 General Information

2.1 General Description of EUT

Product	SIGFOX Module
Brand	InnoComm
Test Model	SN10-13
Status of EUT	ENGINEERING SAMPLE
Nominal Voltage	DC 3.3V from host equipment
Modulation Type	TX: DBPSK , RX: 2GFSK
Operating Frequency	TX: 923.2 MHz , RX: 922.2 MHz
Number of Channel	1
Rated RF Output Power	19 mW
Conducted RF Output Power	15.241 mW
Radiated RF Output Power	30.131 mW
Antenna Type	Refer to section 3.5
Antenna Connector	Refer to section 3.5
Accessory Device	NA
Data Cable Supplied	NA

Note:

1. This is a supplementary report of Report No.: RJ170217C22K. The differences between them are as below information:

- ◆ Add one new antenna.

Original

Ant No.	Chain No.	Brand	Model	Antenna Net Gain(dBi)	Frequency range (MHz)	Antenna Type	Connector Type	Cable Length (mm)
1	Chain 0	STAF corporation	T13-047-1039	2.54	860 - 928	Monopole	SMA--P	-
2	Chain 0	STAF corporation	T13-047-1040	2.54	860 - 928	Monopole	SMA--P	-
3	Chain 0	InnoComm	Orbit	-0.16	868 ~ 930	Chip	PCB	-
4	Chain 0	STAF corporation	T13-047-1041	2.76	860 - 928	Monopole	SMA--P	-
5	Chain 0	BJTEK NAVIGATION,INC.	TH-81E	1.12	850~930	Monopole	SMA-Male	-
6	Chain 0	BJTEK NAVIGATION,INC.	TH900E	2.62	868~928	Monopole	SMA-Male	-
7	Chain 0	Gaobotech	GA17-06B0500000-109	2.64	868~930	Monopole	SMA-Male	-
8	Chain 0	Walsin	RFDPA131000SMRB802	2.96	863~928	Monopole	SMA-Male	-
9	Chain 0	Jieng Tai	1615Y0318	0.13	868~930	Monopole	SMA-Male	-
10	Chain 0	TDK	ANT160920ST-1204A1	0.5	902~930	Chip	NA	-
11	Chain 0	ACX	AT7020-BR90HAAT/LF	-1.00	902~928	Chip	NA	-
12	Chain 0	OneWave	WAN1003F039M03	1.32	910~930	Chip	NA	-
13	Chain 0	JC ANTENNA	JCG015	2	880~960	Monopole	SMA-Male	-
14	Chain 0	JC ANTENNA	JCG059	2	824~960	Dipole	I-PEX	-
15	Chain 0	JC ANTENNA	JCG104	2	824~960	Monopole	I-PEX	-
16	Chain 0	JC ANTENNA	JCG401	2	880~960	Monopole	SMA-Male	-
17	Chain 0	JC ANTENNA	JCG402	2	880~960	Monopole	SMA-Male	-
18	Chain 0	Staf	T13-023-1043	1.82	815~960	Dipole	U.FL	-
19	Chain 0	Staf	T13-047-1038	1.86	860~928	Monopole	SMA-Male	-
20	Chain 0	Staf	T15-030-1042	2.39	860~928	Monopole	U.FL	-
21	Chain 0	Staf	T16-062-1022	-0.29	814~960	Dipole	U.FL	-
22	Chain 0	Staf	T16-062-1024	-0.32	814~960	Dipole	MHF4L	-
23	Chain 0	Staf	T16-062-1025	0.33	814~960	Dipole	MHF	-
24	Chain 0	Staf	T16-068-1021	1.61	860~928	Monopole	SMA-Male	-
25	Chain 0	Staf	T16-068-1037	1.75	860~928	Monopole	SMA-Male	-
26	Chain 0	Nippon Antenna	DP-920-INF1-100	-1.0	915.9~928.1	Dipole	U.FL	100
27	Chain 0	Nippon Antenna	DP-920-INF2-100	2.3	915.9~928.1	Dipole	U.FL	100
28	Chain 0	Nippon Antenna	DP-920-INF3-100	1.8	915.9~928.1	Dipole	U.FL	100
29	Chain 0	InnoComm	Cruiser	-0.25	868~930	Dipole	I-PEX	60
30	Chain 0	Shenzhen Xiangboyi Technology Co. Ltd	XBY2018070	-0.12	863~928	Chip	None	-

Newly

Ant. No.	Chain No.	Brand	Model	Antenna Net Gain(dBi)	Frequency range (MHz)	Antenna Type	Connector Type	Cable Length (mm)
31	Chain 0	MITSUBISHI MATERIALS CORPORATION	AM11DP-ST01	1.7	400~1600	Chip	None	-

2. According to above conditions, there is no addition test has to be performed.

3. The above EUT information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.

4. The above Antenna information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

Appendix - Information of the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

Lin Kou EMC/RF Lab

Tel: 886-2-26052180

Fax: 886-2-26051924

Hsin Chu EMC/RF/Telecom Lab

Tel: 886-3-6668565

Fax: 886-3-6668323

Hwa Ya EMC/RF/Safety Lab

Tel: 886-3-3183232

Fax: 886-3-3270892

Email: service.adt@tw.bureauveritas.com

Web Site: www.bureauveritas-adt.com

The address and road map of all our labs can be found in our web site also.

--- END ---