

TEST REPORT

Applicant: HCI Hobbies Creator

Address of Applicant: 5th Floor, NO.14, Wuquan 7th Road, Wugu District, New Taipei City, Taiwan, China

Manufacturer: ShenZhen FLYSKY Technology Co., Ltd.

Address of Manufacturer: 16F, Huafeng Building, No. 6006 Shennan Road, Futian District, Shenzhen, Guangdong, China

Factory: Dongguan Flysky RC Model technology Co., Ltd

Address of Factory: West building 3, Huangjinyuan Ind Park, Qiaoli North Gate, Changping Town, Dongguan, China

Equipment Under Test (EUT)

Product Name: Digital proportional radio control system

Model No.: FS-GT2E, GT2E

Trade Mark: FLYSKY

Applicable standards: Article 2, Paragraph 1, Item19
MIC Notice No.88 Annex 1
MIC Notice No.88 Annex 43

Date of sample receipt: May 15, 2026

Date of Test: May 16-25, 2026

Date of report issued: May 25, 2026

Test Result : PASS *

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:



Robinson Luo

Laboratory Manager

This results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

2 Version

Version No.	Date	Description
00	May 25, 2026	Original

Tested By:

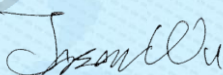


Date:

May 25, 2026

Test Engineer

Prepared By:

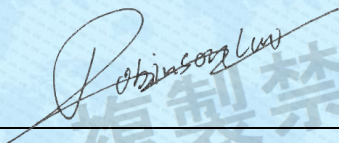


Date:

May 25, 2026

Project Engineer

Check By:



Date:

May 25, 2026

Reviewer

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4 Test Summary

Test Item	Test Requirement	Result
RF shielding method	Article 2 paragraph 1 item(19)	Pass
Frequency Error	Article 2 paragraph 1 item(19)	Pass
Antenna Power	Article 2 paragraph 1 item(19)	Pass
99% Occupied bandwidth	Article 2 paragraph 1 item(19)	Pass
Dwell time	Article 2 paragraph 1 item(19)	Pass
Spurious Emissions Intensity	Article 2 paragraph 1 item(19)	Pass
Limit of secondary radiated emissions	Article 2 paragraph 1 item(19)	Pass
Interference suppression	Article 2 paragraph 1 item(19)	Pass
Transmission Antenna Gain	Article 2 paragraph 1 item(19)	N/A
Transmission Radiation Angle Width(3dB Beam width)	Article 2 paragraph 1 item(19)	N/A

Remarks

1. Pass: The EUT complies with the carrier sense capability and radio interference prevention capability.
2. N/A: Not applicable due to the antenna gain is less than 2.14dBi.

5 General Information

5.1 General Description of EUT

Product Name:	Digital proportional radio control system
Model No.:	FS-GT2E, GT2E
Test Model No.:	FS-GT2E
Remark: All above models are identical in the same PCB layout, interior structure and electrical circuits. The difference is model name for commercial purpose.	
Hardware Version:	V2.2
Software Version:	V1.0.1
Operation Frequency:	2405.5MHz~2475MHz
Channel numbers:	140
Modulation method:	FHSS
Modulation technology:	GMSK
Antenna Type:	Integral Antenna
Antenna gain:	2.87dBi
Power supply:	DC6V(4*DC1.5V Size "AA")

Disclaimer statement:

1. Antenna gain information provided by the customer, and the laboratory is not responsible for its authenticity.
2. The information in this section is provided by the applicant or manufacturer, GTS is not liable to the accuracy, suitability, reliability or/and integrity of the information.
3. The system works in the frequency range of 2405.5MHz to 2475MHz. This band has been divided to 140 independent channels. Each radio system uses 32 different channels; the minimum channel separation is $\geq 0.5\text{MHz}$. By using various switch-on times, hopping scheme and channel frequencies, the system can guarantee a jamming free radio transmission. Pre-testing all radio systems, this radio system recorded in the report is the worst mode. The channel list is below.

The test frequencies are below:

Channel	Frequency
The lowest channel	2405.5MHz
The middle channel	2440MHz
The Highest channel	2475MHz

Operation Frequency each of channel							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2405.5	36	2423	71	2440.5	106	2458
2	2406	37	2423.5	72	2441	107	2458.5
3	2406.5	38	2424	73	2441.5	108	2459
4	2407	39	2424.5	74	2442	109	2459.5
5	2407.5	40	2425	75	2442.5	110	2460
6	2408	41	2425.5	76	2443	111	2460.5
7	2408.5	42	2426	77	2443.5	112	2461
8	2409	43	2426.5	78	2444	113	2461.5
9	2409.5	44	2427	79	2444.5	114	2462
10	2410	45	2427.5	80	2445	115	2462.5
11	2410.5	46	2428	81	2445.5	116	2463
12	2411	47	2428.5	82	2446	117	2463.5
13	2411.5	48	2429	83	2446.5	118	2464
14	2412	49	2429.5	84	2447	119	2464.5
15	2412.5	50	2430	85	2447.5	120	2465
16	2413	51	2430.5	86	2448	121	2465.5
17	2413.5	52	2431	87	2448.5	122	2466
18	2414	53	2431.5	88	2449	123	2466.5
19	2414.5	54	2432	89	2449.5	124	2467
20	2415	55	2432.5	90	2450	125	2467.5
21	2415.5	56	2433	91	2450.5	126	2468
22	2416	57	2433.5	92	2451	127	2468.5
23	2416.5	58	2434	93	2451.5	128	2469
24	2417	59	2434.5	94	2452	129	2469.5
25	2417.5	60	2435	95	2452.5	130	2470
26	2418	61	2435.5	96	2453	131	2470.5
27	2418.5	62	2436	97	2453.5	132	2471
28	2419	63	2436.5	98	2454	133	2471.5
29	2419.5	64	2437	99	2454.5	134	2472
30	2420	65	2437.5	100	2455	135	2472.5
31	2420.5	66	2438	101	2455.5	136	2473.0
32	2421	67	2438.5	102	2456	137	2473.5
33	2421.5	68	2439	103	2456.5	138	2474.0
34	2422	69	2439.5	104	2457	139	2474.5
35	2422.5	70	2440	105	2457.5	140	2475.0

5.2 Test mode

Software used to control the EUT for staying in continuous transmitting and receiving mode is programmed.

5.3 Test condition

Power Supply:	Battery:	DC 6V
	The RF unit is supplied by DC 3.3V. The fluctuation of input voltage to the circuit of RF unit of test equipment is under $\pm 1\%$, when input voltage from DC 6V to the test equipment is fluctuated by $\pm 10\%$, So, all measurement has been conducted by only rated voltage.	
	The measurement result of the voltage fluctuation at RF circuit when DC 6V $\pm 10\%$.	
	Power supply voltage	DC 3.3V @ RF circuit
	5.4V	3.31V
	6.0V	3.31V
	6.6V	3.31V

Remark: Both normal and extremely condition were tested, only show the worst case.

5.4 Test Facility

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

- **FCC —Registration No.: 381383**

Designation Number: CN5029

Global United Technology Services Co., Ltd., Shenzhen 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 files.

- **ISED—Registration No.: 9079A**

CAB identifier: CN0091

The 3m Semi-anechoic chamber of Global United Technology Services Co., Ltd. has been registered by Certification and Engineering Bureau of ISED for radio equipment testing.

- **NVLAP (LAB CODE:600179-0)**

Global United Technology Services Co., Ltd., is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP).

5.5 Test Location

All tests were performed at:

Global United Technology Services Co., Ltd.

Address: No. 123-128, Tower A, Jinyuan Business Building, No.2, Laodong Industrial Zone, Xixiang Road, Baoan District, Shenzhen, Guangdong, China 518102

Tel: 0755-27798480

Fax: 0755-27798960

5.6 Other Information Requested by the Customer

None.

5.7 Description of Support Units

Manufacturer	Description	Model	Serial Number
Agilent	DC POWER SUPPLY	E3640A	N/A

5.8 Test Instruments list

RF Conducted Test:						
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	Wireless Connectivity Test Set	Anritsu	MT8862A	SN6272327180	2025-08-26	2026-08-25
2	Bluetooth Test Set	Anritsu	MT8852B	SN6262097212	2025-08-26	2026-08-25
3	EXA Signal Analyzer	Keysight	N9010B	MY60241168	2025-08-26	2026-08-25
4	Vector Signal Generator	Keysight	N5182B	MY61250192	2026-04-16	2027-04-15
5	Analog Signal Generator	Keysight	N5171B	MY61252573	2025-08-26	2026-08-25
6	RF Control Unit and Power Test Unit	Tonscend	JS0806-2	SN21F8060437	2026-04-16	2027-04-15
7	Power Control Unit	Tonscend	JS0806-4ADC	SN21C8060386	N/A	N/A
8	Wideband Radio Communication Tester	R&S	CWM500	GTS569	2025-08-26	2026-08-25
9	Programmable Constant Temp & Humi Test Chamber	WEWON	WHTH-150L-40-880	GTS572	2026-04-10	2027-04-09
10	Thermo meter	JINCHUANG	GSP-8A	GTS641	2026-04-14	2027-04-03
11	Test Software	Tonscend	JS1120-3 V3.5.39	N/A	N/A	N/A

All above equipments were calibrated by Guangzhou LiSai Metrology & Test Co.,Ltd..

Technical basis for calibration: JJF 1076-2020, JJF 1101-2019, JJF 1144-2006, JJF 1396-2013, JJF 1885-2020, JJF 1931-2021, GJB 2650-1996.

Calibration Information (Article24-2,Paragraph 4 of the Radio Act)	
☐	a) Calibration conducted by the National Institute of Information and Communications Technology (NICT) or a designated calibration agency under Article 102-18-1 of the Radio Act
☐	(b) Calibration conducted based on the regulations of Article 135 or 144 of the Measurement Act
☒	(C) Calibration conducted in foreign countries, which is equivalent to calibration conducted by the NICT or a designated calibration agency under Article 102-18-1 of the Radio Act
☐	(d) Calibration,etc.conducted by using measuring instruments and other facilities listed at the bottom of appended table 3 of the Radio Act, which is to have been calibrated as described in (a) through (c) above

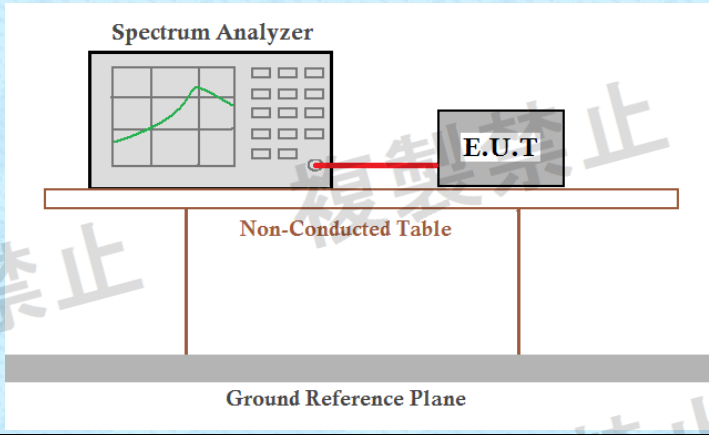
5.9 Measurement uncertainty

For the test methods, according to the present document, the measurement uncertainty figures shall be calculated in accordance with TR100028-1 [2] and shall correspond to an expansion factor (coverage factor) $K=1.96$ or $K=2$ (which provide confidence levels of respectively 95% and 95.5% in the case where the distributions characterizing the actual measurement uncertainties are normal).

Parameter	Uncertainty
RF frequency	$\pm 6 \times 10^{-7}$
Total RF power, conducted	$\pm 0.8\text{dB}$
Spurious emissions, conducted	$\pm 0.8\text{dB}$
DC and low frequency voltages	$\pm 3\%$
Humidity	$\pm 5\%$
Temperature	$\pm 1^\circ\text{C}$

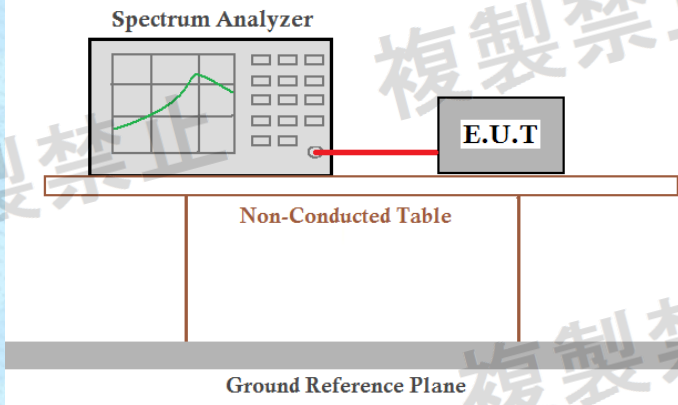
6 Test results and Measurement Data

6.1 Frequency Error

Test condition:	Without modulation, continuously transmitting.
Spectrum set:	Test Frequency: test channel, RBW=VBW=10KHz, Span=1MHz, Sweep time=Auto, Detector mode=Positive peak
Limit:	$\pm 50\text{ppm}$
Test setup:	
Test Instruments:	Refer to section 5.8 for details
Test results:	Pass

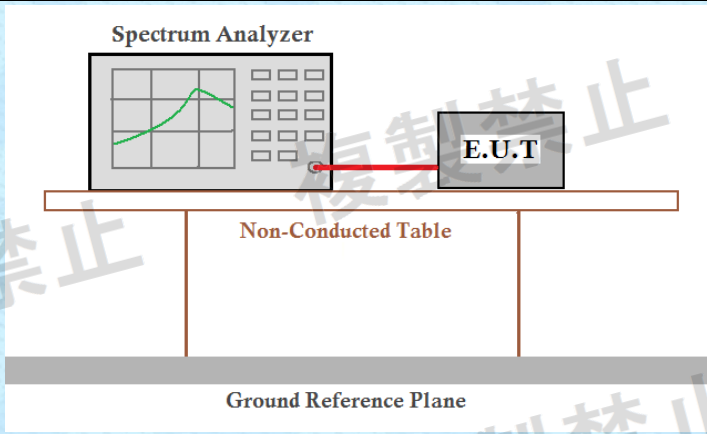
Measurement Data: The detailed test data see Appendix for 2.4G.

6.2 Antenna Power

Test condition:	■ Hopping on ■ Test diffusion code and modulate with standard coding test signal
Spectrum set:	Measurement procedure 1. Search Frequency of Peak Power Test Frequency: test channel, RBW=VBW=1MHz, Span=120MHz, Sweep time=Auto, Detector mode=Positive peak 2. Measure of average burst power Test Frequency: frequency of peak power RBW=VBW=3MHz, Span=0Hz, Sweep time=Auto, Detector mode=Positive peak 3. If the channel separation is less than or equal to 1MHz Antenna power= average burst power / spread bandwidth If the channel separation is more than 1MHz Antenna power= average burst power / channel numbers 4. Antenna power tolerance: +20% No lower limit
Limit:	3mW/MHz
Test setup:	 The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T. (Equipment Under Test) via a red cable. Both are placed on a Non-Conducted Table, which is supported by a Ground Reference Plane.
Test Instruments:	Refer to section 5.8 for details
Test results:	Pass

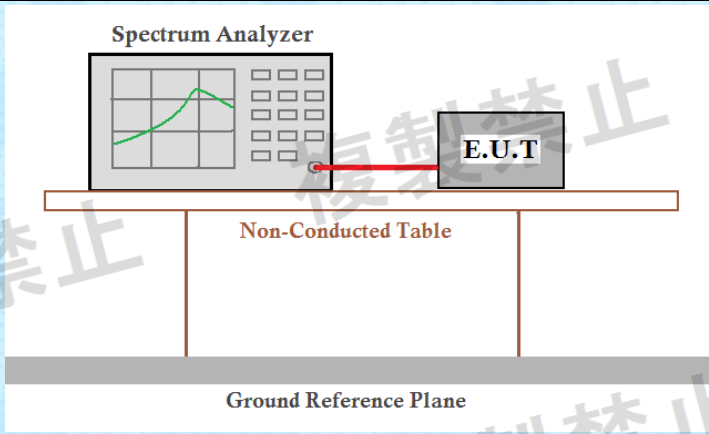
Measurement Data: The detailed test data see Appendix for 2.4G.

6.3 Occupy Bandwidth (99%)

Test condition:	■ Hopping on ■ Test diffusion code and modulate with standard coding test signal
Spectrum set:	Test Frequency: test channel, RBW=VBW=1MHz, Span=200MHz, Sweep time=Auto, Detector mode=Positive peak
Limit:	83.5MHz or less
Test setup:	
Test Instruments:	Refer to section 5.8 for details
Test mode:	Transmitting mode
Test results:	Pass

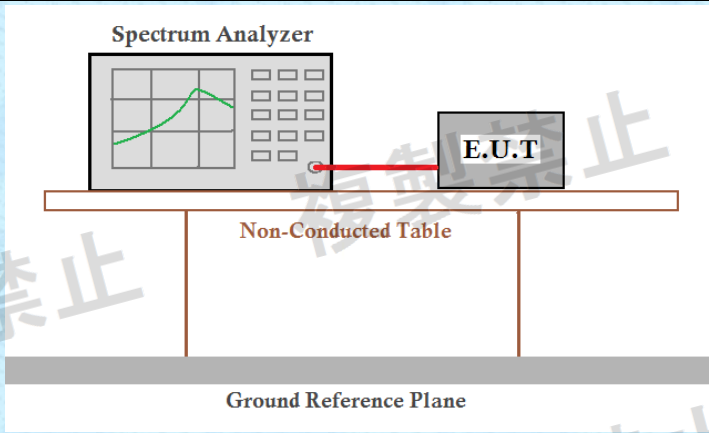
Measurement Data: The detailed test data see Appendix for 2.4G.

6.4 Spread spectrum bandwidth (90%)

Test condition:	■ Hopping on ■ Test diffusion code and modulate with standard coding test signal
Spectrum set:	Test Frequency: test channel, RBW=VBW=1MHz, Span=200MHz, Sweep time=Auto, Detector mode=Positive peak
Limit:	N/A
Test setup:	
Test Instruments:	Refer to section 5.8 for details
Test results:	Pass

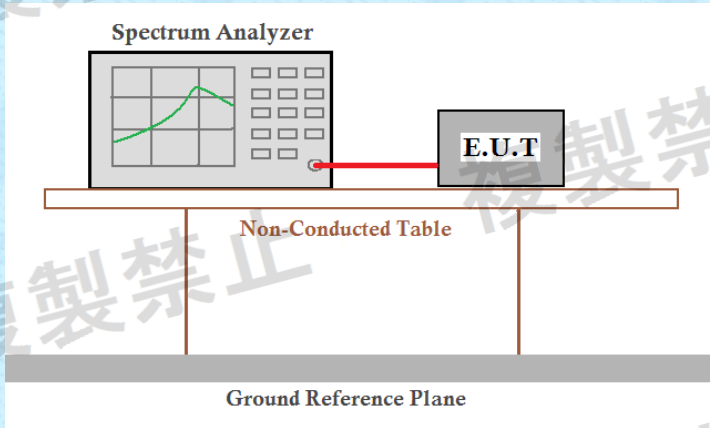
Measurement Data: The detailed test data see Appendix for 2.4G.

6.5 Dwell time

Test condition:	■ Hopping on ■ Test diffusion code and modulate with standard coding test signal
Spectrum set:	Test Frequency: test channel, RBW=VBW=1MHz, Span=0Hz, Detector mode=Positive peak
Limit:	0.4 second or less
Test setup:	 The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T. (Equipment Under Test) via a cable. The setup is placed on a Non-Conducted Table, which is supported by a Ground Reference Plane.
Test Instruments:	Refer to section 5.8 for details
Test results:	Pass

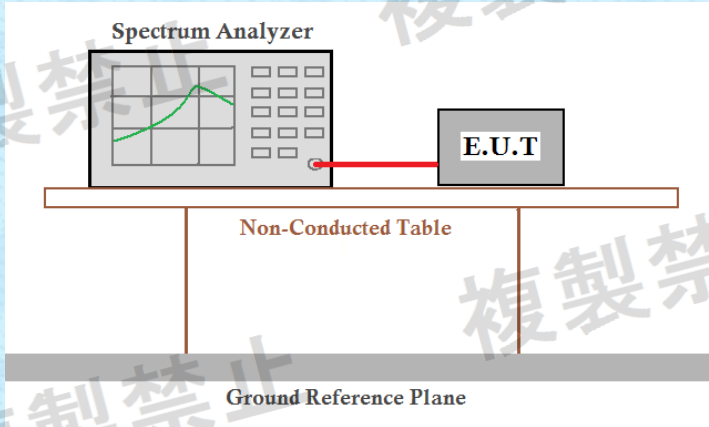
Measurement Data: The detailed test data see Appendix for 2.4G.

6.6 Spurious emission intensity

Test condition:	■ Hopping on ■ Test diffusion code and modulate with standard coding test signal
Measurement procedure:	Step 1 All spurious are measured from 30MHz to 13GHz by peak mode. Step 2 If the value measured by Step1 is 3dB or less to the limit, measure in average mode.
Spectrum set:	Step 1: Test Frequency: test channel, Below 1GHz, RBW=VBW=100KHz; Above 1GHz, RBW=VBW=1MHz, Sweep time=Auto, Detector mode=Positive peak Step 2: Test Frequency: spurious frequency Below 1GHz, RBW=VBW=100KHz; Above 1GHz, RBW=VBW=1MHz, Sweep time=Auto, Detector mode=Sample, Span=0Hz
Limit:	Below 1G: 0.25uW or less Below 2387 MHz: 2.5μW/MHz or less 2387 to 2400 MHz: 25μW/MHz or less 2483.5 through 2496.5 MHz: 25μW/MHz or less Over 2496.5 MHz: 2.5μW/MHz or less
Test setup:	 The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T (Equipment Under Test) via a red cable. Both the Spectrum Analyzer and the E.U.T are positioned on a Non-Conducted Table. This table is supported by a Ground Reference Plane.
Test Instruments:	Refer to section 5.8 for details
Test results:	Pass

Measurement Data: The detailed test data see Appendix for 2.4G.

6.7 Limit of secondary radiated emissions

Test condition:	Receiving mode
Measurement procedure:	Step 1 All spurious are measured from 30MHz to 13GHz by peak mode. Step 2 If the value measured by Step1 is 3dB or less to the limit, measure in average mode.
Spectrum set:	Step 1: Test Frequency: test channel, Below 1GHz, RBW=VBW=100KHz; Above 1GHz, RBW=VBW=1MHz; Sweep time=Auto, Detector mode=Positive peak Step 2: Test Frequency: spurious frequency Test Frequency: test channel, Below 1GHz, RBW=VBW=100KHz; Above 1GHz, RBW=VBW=1MHz; Sweep time=Auto, Detector mode=Sample, Span=0Hz
Limit:	Below 1GHz: 4.0nW or less Above 1GHz: 20nW or less
Test setup:	 The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T (Equipment Under Test) via a red cable. Both the Spectrum Analyzer and the E.U.T are placed on a Non-Conducted Table. The table is supported by a Ground Reference Plane.
Test Instruments:	Refer to section 5.8 for details
Test results:	Pass

Measurement Data: The detailed test data see Appendix for 2.4G.

6.8 Interference suppression

Measurement procedure:	(1) The radio equipment with automatic transmitting function of identification code a) Transmit the assigned identification code from the radio equipment. b) Confirm the identification code received by the demodulator. (2) The radio equipment with automatic receiving function of identification code a) Transmit the assigned identification code from the opposite equipment. b) Confirm that the usual communication is available. c) Transmit the identification code distinct from the assigned one from the opposite equipment. d) Confirm that the radio equipment is stopped or an indication is displayed as the identification code is different.		
Test setup:	Radio equipment	Dummy load Attenuator)	Demodulator
Test Instruments:	Refer to section 5.8 for details		
Test results:	Pass		

Measurement data:

Identification function:	Good
Mac address:	Matching connection

7 Test Setup Photo

Reference to the **appendix I** for details

8 EUT Construnctional Details

Reference to the **appendix II** for details

-----End-----