JAPAN RADIO TEST REPORT

Low Energy

Product Name	:	**Plume Adaptive WiFi**
Model Name	:	**F1A**
Applicant	:	**Plume Design Inc** **290 S California Ave, Suite 200, Palo Alto, CA 94306, USA**
Manufacturer	:	**Plume Design Inc** **290 S California Ave, Suite 200, Palo Alto, CA 94306, USA**
Type Emissions	:	**1M08F1D(LE_1M)**
Declaration Output Power	:	**0.800 mW (LE_1M)**
Standard	:	**Article 49-20 and the relevant articles of the Ordinance Regulating Radio Equipment**
Test Procedure	:	**MIC Notice No.88 Appendix No.43**

The product sample received on Jul. 30, 2020 and testing was started from Sep. 30, 2020 and completed on Sep. 30, 2020. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in MIC Notice No.88 Appendix No.43 and shown to be compliant with the applicable technical standards. Article 2 Paragraph 1 Item 19 of the Certificate Ordinance of the Radio Law indicates the classification of the specified radio equipment.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)

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History of This Test Report

Report No.	Version	Description	Issued Date
JR031701-03A	01	Initial issue of report	Nov. 04, 2020

Summary of Test Result

Report Clause	Test Items	Result (PASS/FAIL)
3.1	Frequency Tolerance	Pass
3.2	Occupied Bandwidth and Spread-spectrum Bandwidth / Spread Factor	Pass
3.3	Unwanted Emission Intensity	Pass
3.4	RF Output Power / Tolerance	Pass
3.5	Limitation of Collateral Emission of Receiver	Pass
3.6	Transmission Antenna Gain (EIRP Antenna Power)	NA
3.7	Transmission Radiation Angle Width (3dB Beam width)	NA
3.8	Radio Interference Prevention Capability	Pass
3.9	Hopping Frequency Dwell Time	NA
3.10	Construction Protection Confirmation	Pass

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Wii Chang

Report Producer: Celery Wei

1 General Description

1.1 Feature of Equipment Under Test

Product Feature & Specification		
Product Name	Plume Adaptive WiFi	
Model Name	F1A	
Support Category / Frequency Range	Article 2-1-19 / 2400MHz ~ 2483.5MHz	
Type of Modulation	☐ Direct Spreading (DS) ☐ Orthogonal frequency-division multiplexing (OFDM) ☐ Frequency Hopping (FH) ■ Other :GFSK	
Number of Channels	Other : Low Energy	40
Channel Spacing	Other : Low Energy	2MHz
Declaration RF Output Power	0.800 mW (LE_1M)	
Antenna Power (E.I.R.P)	-0.869 dBm (LE_1M)	
Modulation	■ GFSK ☐ π/4-DQPSK ☐ 8-DPSK ☐ Other : FSK	
Power Source NOTE	■ Commercial power	AC 100 ~ 240V
	☐ External Power Source	DC 5V
	☐ Lithium battery	DC 3.7V
	☐ UM battery	DC 1.2V

Note: When EUT be operated at ±10% from the normal supply voltage, the supply voltage of RF part was varied within ±1%. All test cases were done under the normal supply voltage.

Power Supply voltage 12.00 **Vdc (Nominal)**	Power Supply voltage 13.20 **Vdc (+10%)**	Power Supply voltage 10.80 **Vdc (-10%)**
3.392	3.392	3.392
Measurement point		

Antenna Information		
Main Antenna	**Antenna Type :** Slot	**Antenna Gain :** 0.1 dBi

Remark: The above EUT's information was declared by manufacturer.

1.2 Modification of EUT

No modifications are made to the EUT during all test items.

1.3 Testing Site

Test Site	SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
Test Site Location	No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-3273456 / FAX: +886-3-3284978
Test Site No.	**Sporton Site No.:** TH05-HY

Test Items	Uncertainty	Remark
Occupied Channel Bandwidth	±3.27%	Confidence 95%
RF output power, conducted	±0.55 dB	Confidence 95%
Frequency Tolerance	±5.3 Hz	Confidence 95%
Unwanted Emission	±1.38 dB	Confidence 95%
Temperature	±0.8 °C	Confidence 95%
Humidity	±3 %	Confidence 95%

1.4 Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- Article 49-20 and the relevant articles of the Ordinance Regulating Radio Equipment

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. The measurement was implemented in accordance with MIC Notice No. 88 Appendix No. 43.

1.5 Ancillary Equipment List

None.

2 Test Configuration of Equipment Under Test

2.1 Carrier Frequency Channel

Channel (LE Channel)	Frequency (MHz)	Channel (LE Channel)	Frequency (MHz)	Channel (LE Channel)	Frequency (MHz)
0	2402	14	2430	28	2458
1	2404	15	2432	29	2460
2	2406	16	2434	30	2462
3	2408	17	2436	31	2464
4	2410	18	2438	32	2466
5	2412	19	2440	33	2468
6	2414	20	2442	34	2470
7	2416	21	2444	35	2472
8	2418	22	2446	36	2474
9	2420	23	2448	37	2476
10	2422	24	2450	38	2478
11	2424	25	2452	39	2480
12	2426	26	2454		
13	2428	27	2456		

2.2 EUT Operation Test Setup

The equipment under test (EUT) was linked with Bluetooth simulator or operated by commands in order to make the EUT into the engineering modes for transmitting, receiving signals continuously, and hopping mode.

3 Test Result

3.1 Frequency Tolerance Measurement

3.1.1 Limit

Item	Limits
Frequency Tolerance	≦ ±50ppm

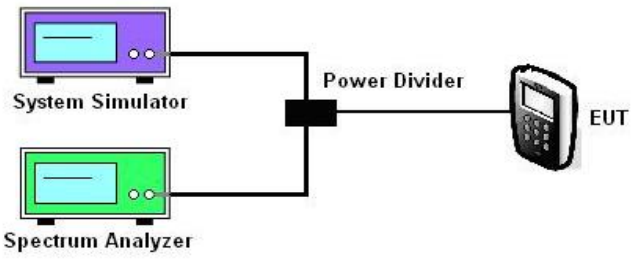
3.1.2 Measuring Instruments

See list of measuring instruments of this test report.

3.1.3 Test Procedure

1. Frequency accuracy of instrument shall be less than 10% of limits tolerance (5ppm).
2. Three testing methods
   a. Measure frequency tolerance by the system simulator.
   b. CW Tone method
      i. Setting of SA is following as: RBW:1kHz / VBW:30kHz.
      ii. Maker Max. level to get measuring frequency f.
   c. 10dB down method
      i. Setting of SA is following as: RBW:30kHz / VBW: 30kHz / Trace: MaxHold
      ii. Display line Level = Max. level – 10dB to place two markers, highest(fH) and lowest(fL) frequency
      iii. Determine measuring frequency f = (fH-fL)/2
3. The frequency tolerance test case is directly measured using the frequency accuracy function of Bluetooth tester or spectrum analyzer. Then the frequency error formula is $(f-fc)/fc \times 10^6$ ppm and the limit is less than ±50ppm.

3.1.4 Test Setup



3.1.5 Test Result of Frequency Tolerance

Please refer to Appendix B.

3.2 Occupied Bandwidth and Spread-spectrum Bandwidth / Spread Factor Measurement

3.2.1 Limit

Item	Limits
Occupied Band Width	≦ 83.5MHz (FH) ≦ 26MHz (OFDM, DS and Others)
Spreading Bandwidth	≧ 500 kHz (FH, DS)

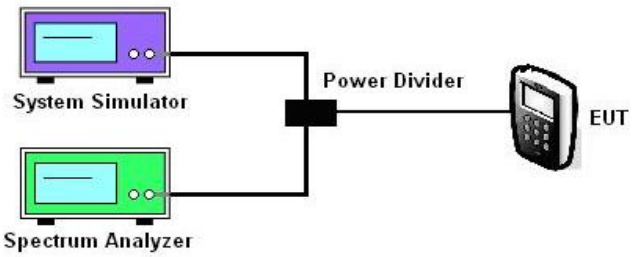
3.2.2 Measuring Instruments

See list of measuring instruments of this test report.

3.2.3 Test Procedures

1. Setting of SA is following as: RBW =< 3% of bandwidth / VBW = RBW / Sweep Mode: Continuous sweep / Detect mode: Positive peak / Trace mode: Max hold.
2. EUT have transmitted each modulation signal and fixed channelize (For DSSS or OFDM Device) or continuous maximum power of hopping mode (For FHSS Device). SA set to 99% of occupied bandwidth to measure occupied bandwidth. The limit is less than 26MHz (For DSSS or OFDM Device) or 83.5MHz (For FHSS Device).
3. SA set to 90% of occupied bandwidth to measure Spread Spectrum Bandwidth and must greater than 500kHz.
4. Spread Spectrum Factor = Spread Spectrum Bandwidth / modulation rate of EUT.
5. Spread Spectrum Factor limit is greater than 5.

3.2.4 Test Setup



3.2.5 Test Result of Occupied Bandwidth and Spread-spectrum Bandwidth / Spread Factor Measurement

Please refer to Appendix B.

3.3 Unwanted Emission Intensity Measurement

3.3.1 Limit

Item	Limits
Tx Spurious Emission	≦ 2.5 μW (2387MHz ＞ f ; 2496.5MHz ＜ f)
	≦ 25 μW (2387MHz≦f＜2400MHz) and (2483.5MHz＜f≦2496.5MHz)

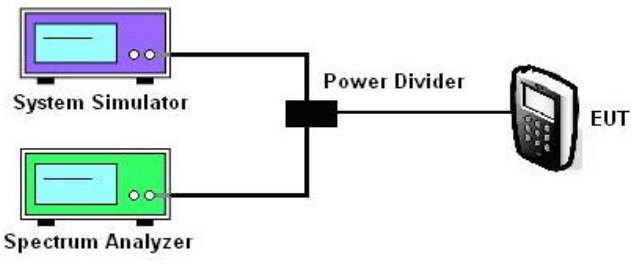
3.3.2 Measuring Instruments

See list of measuring instruments of this test report.

3.3.3 Test Procedures

1. EUT have transmitted the maximum power and fixed channelize.
2. Setting of SA is following as: RBW:1MHz / VBW:1MHz above 1GHz, Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Positive peak / Trace mode: Max hold.
3. Setting of SA is following as: RBW:100KHz / VBW:100KHz under 1GHz, Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Positive peak / Trace mode: Max hold.
4. Setting of SA is following as 30MHz and stop frequency 2387MHz Then to mark peak reading value + cable loss shall be less than 2.5μW.
5. SA adjusted to start frequency 2387MHz and stop frequency 2400MHz. Then to mark peak reading value + cable loss shall be less than 25μW.
6. SA adjusted to start frequency 2483.5MHz and stop frequency 2496.5MHz Then to mark peak reading value + cable loss shall be less than 25μW.
7. SA adjusted to start frequency 2496.5MHz and stop frequency 12500MHz Then to mark peak reading value + cable loss shall be less than 2.5μW.
8. If the Result_Value is over the requirement, take total sum of 1MHz band centered at the spur frequency like ACLP measurement as Result_Value.

3.3.4 Test Setup



3.3.5 Test Result of Unwanted Emission Intensity

Please refer to Appendix B.

3.4 RF Output Power / Tolerance

3.4.1 Limit

Item	Limits	
Antenna Power Density	≦ 3mW/MHz	(FH form 2400 ~ 2483.5MHz)
	≦ 10mW/MHz	(OFDM,DS from 2400 ~ 2483.5MHz)
	≦ 10mW	(Other from 2400 ~ 2483.5MHz)
Antenna Power Error	+20%, -80% (Base on manufacturer declare antenna power density)	

3.4.2 Measuring Instruments

See list of measuring instruments of this test report.

3.4.3 Test Procedures

1. EUT have transmitted continuous maximum power on hopping mode (For FHSS Device).
2. Frequency hopping system or combined systems of direct spread and frequency hopping:

Test method 1:

i. Connect the high frequency power meter to the output of the attenuator and measure the total power (without bandwidth limitation)

ii. Divide the total power by the spread bandwidth to find the “average” power per MHz.
The average power per MHz is equal to the power meter value dBm + cable loss dB + 10 $\log_{10}$ (1/ Duty Cycle) dB + 10 $\log_{10}$ (1/ Spread Bandwidth) dB.

iii. Confirm that frequency distribution of the hopping frequencies is homogeneous according to the supporting data.
If frequency distribution of the frequencies is not homogeneous, consider other measurement or correction methods based on the supporting data.

iv. Set the antenna power as follows:
- Continuous waves: value in ii.

Test method 2:

i. Peak search by use setting of SA is following as:
Span = 2 time of occupied bandwidth
RBW =1MHz / VBW = 3 time of RBW
Sweep Mode: Continuous sweep
Detect mode = Positive peak / Trace mode = Max hold.
Mark the peak value

ii. Measure maximum average power per MHz by use setting of SA is following as:
Center frequency = frequency of peak value
Span = 0Hz
RBW =1MHz / VBW = RBW

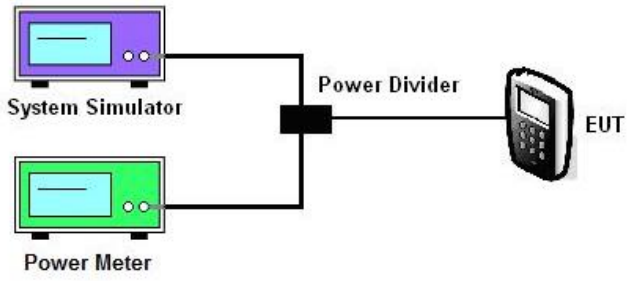
Sweep Mode: Continuous sweep

Detect mode = Sample / Trace mode = Max hold.

Calculated the mean power value

3. Antenna RF Output Power Tolerance is definition that actual measure antenna power tolerance between + 20% to - 80% power range that manufacturer declare the conducted power density.

3.4.4 Test Setup



3.4.5 Test Result of RF Output Power / Tolerance

Please refer to Appendix B.

3.5 Limitation of Collateral Emission of Receiver Measurement

3.5.1 Limit

Item	Limits
Rx Spurious Emission	≦ 4nW (f ＜ 1GHz)
	≦ 20nW (1GHz ≦ f)

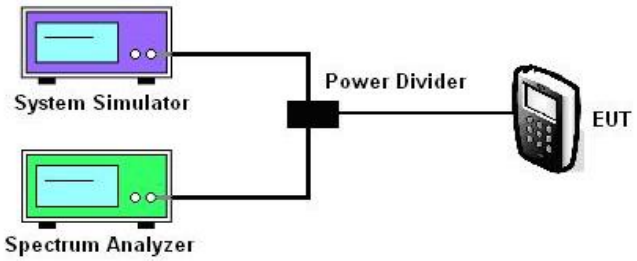
3.5.2 Measuring Instruments

See list of measuring instruments of this test report.

3.5.3 Test Procedures

1. EUT have the continuous reception mode and fixed only one channelize.
2. SA set RBW: 100KHz and VBW: 100KHz. Then adjust to start frequency 30MHz and stop frequency 1GHz. Search to mark peak reading value + cable loss shall be less than 4nW.
3. SA set RBW: 1MHz and VBW: 1MHz. Then adjust to start frequency 1000MHz and stop frequency 12.5GHz. Search to mark peak reading value + cable loss shall be less than 20nW.
4. If power level of lower emissions are more than 1/10 of limit (.0.4nW for f＜1GHz, 2nW for f≧1GHz), all those are to be indicated in the 2nd and 3rd lines. If others are 1/10 or less more of the limit, no necessary to be indicated.

3.5.4 Test Setup



3.5.5 Test Result of Limitation of Collateral Emission of Receiver

Please refer to Appendix B.

3.6 Transmission Antenna Gain (EIRP Antenna Power) Measurement

3.6.1 Limit

Item	Limits
EIRP Power Density	≦ 6.91dBm/MHz (FH form 2400 ~ 2483.5MHz) ≦ 12.14dBm/MHz (OFDM,DS from 2400 ~ 2483.5MHz) ≦ 12.14dBm (Other from 2400 ~ 2483.5MHz)
Remark: This test item will not be applied to EIRP power of EUT is lower than 12.14 dBm/MHz.	

3.6.2 Measuring Instruments

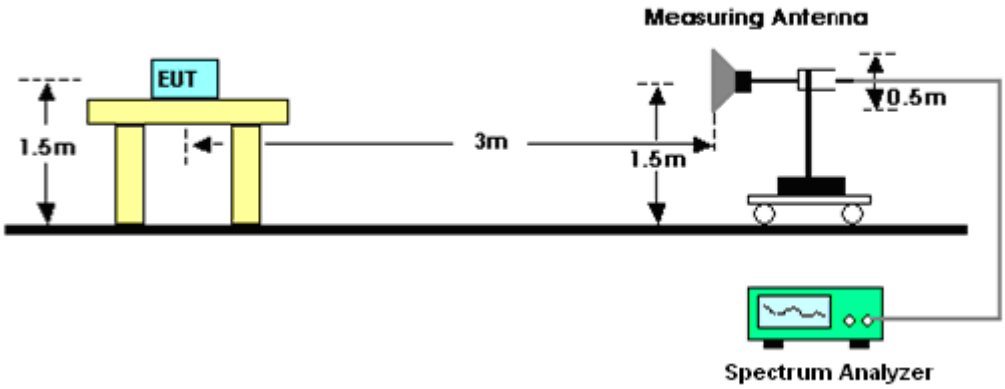
See list of measuring instruments of this test report.

3.6.3 Test Procedures

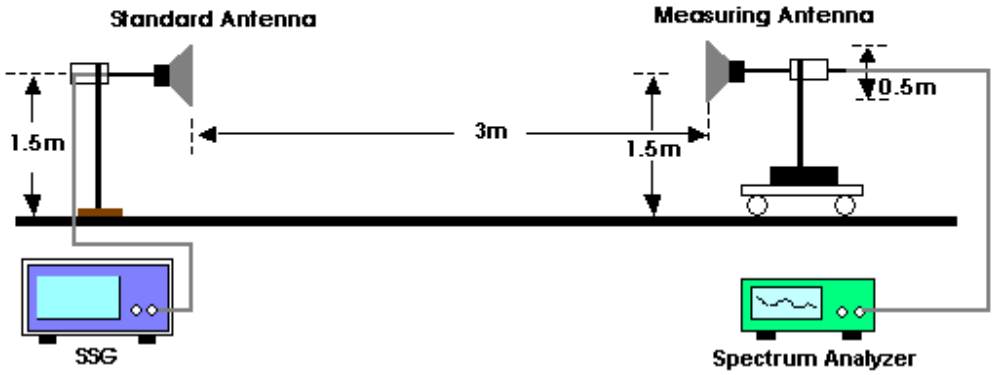
1. Set EUT ad measuring antenna at the same height and roughly facing each other.
2. Move the measuring antenna height up and down within ± 50cm of EUT height and swing it to find the maximum output of the measuring antenna. The output level at the spectrum analyzer is read as “E“.
3. Remove the EUT from the turn table and put the replacing antenna facing to measuring antenna at same height. Set the standard signal generator (SSG) at same frequency and transmit on then receive the signal.
4. Swing the replacing antenna give a maximum receiving level.
5. Move the measuring antenna height up and down within ± 50cm of replacing antenna height and swing it to find the maximum receiving level.
6. Set SSG output power at Pt to give the equivalent output level of “E” or calculate Pt with SSG output which gives the nearest of “E” and difference (± 1dB). Record the Pt.
7. Calculate EIRP by the formula below EIRP = Gt – L + Pt.
   Gt: gain of replacing antenna (dBi)
   L: feeder loss between SSG and replacing antenna
   Pt: Output power of the SSG
8. If the antenna for the EUT has circular polarization, sum of V-field and H-field will be result if measuring antenna is linear polarization.

3.6.4 Test Setup

<For EUT radiation measurement>



<For standard antenna measurement>



3.6.5 Test Result of Transmission Antenna Gain (EIRP Antenna Power)

Please refer to Appendix B. For the antenna gain, please refer to antenna test report.

Remark: This test item will not be applied to EIRP power of EUT is lower than 12.14dBm/MHz.

3.7 Transmission Radiation Angle Width (3dB Beam-width) Measurement

3.7.1 Limit

Item	Limits
3dB antenna beam-width	360/A (If A < 1; then A = 1) A = {EIRP Power [mW] / 16.36 for DS, OFDM} or A = {EIRP Power [mW] / 4.9 for FH}
Remark: This test item will not be applied to EIRP power of EUT is lower than 12.14 dBm/MHz.	

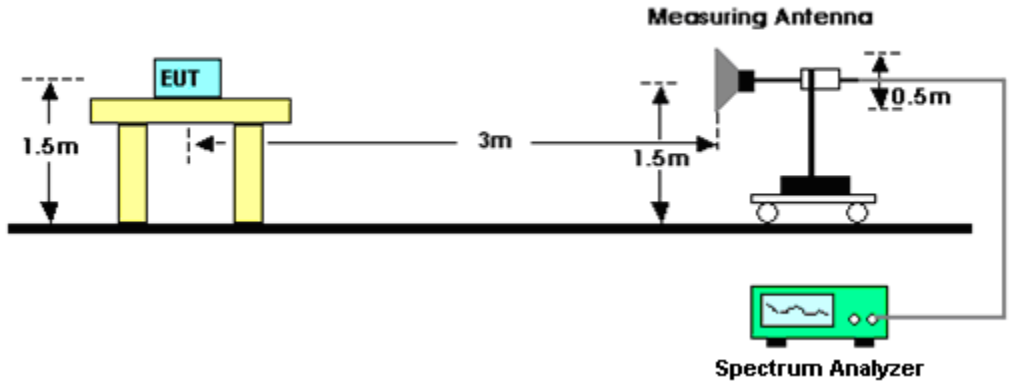
3.7.2 Measuring Instruments

See list of measuring instruments of this test report.

3.7.3 Test Procedures

1. Set EUT and measuring antenna at the same height and roughly facing each other.
2. Set spectrum analyzer with condition in section 3.7.2 and tune reference level to observe receiving signal position.
3. Rotate directions of the EUT horizontally and vertically to find the maximum receiving power.
4. Move the measuring antenna height up and down within ± 50cm of EUT height and swing it to find the maximum output of measuring antenna. The output level at the spectrum analyzer is read as “E”.
5. Calculate permitted radiation angle in horizontal and vertical using EIRP measured in another test method.
6. Calculate 3dB antenna beam width by the formula below 360/A (If A<1; then A=1).
   A = {EIRP Power [mW] / 16.36 for DS, OFDM} or
   A = {EIRP Power [mW] / 4.9 for FH}

3.7.4 Test Setup



3.7.5 Test Result of Transmission Radiation Angle Width (3dB Beam-width)

Please refer to Appendix B.

For the antenna gain, please refer to antenna test report.

Remark: This test item will not be applied to EIRP power of EUT is lower than 12.14 dBm/MHz.

3.8 Radio Interference Prevention Capability Measurement

3.8.1 Limit

Item	Limits
Identification code	≧ 48 bits

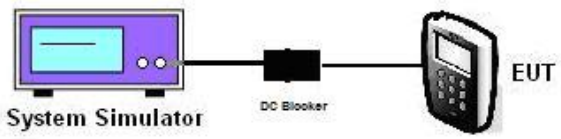
3.8.2 Measuring Instruments

See list of measuring instruments of this test report.

3.8.3 Test Procedures

1. In the case that the EUT has the function of automatically transmitting the identification code: a. Transmit the predetermined identification codes form EUT. b. Check the transmitted identification codes with the demodulator.
2. In the case of receiving the identification code: a. Transmit the predetermined identification codes form the counterpart. b . Check if communication is normal. c. Transmit the signals other than predetermined ID codes form the counterpart. d. check if the EUT stops the transmission, or if it displays that identification codes are different from the predetermined ones.

3.8.4 Test Setup



3.8.5 Test Result of Radio Interference Prevention Capability

Please refer to Appendix B.

3.9 Hopping Frequency Dwell Time Measurement

3.9.1 Limit

Item	Limits
Hopping Freq. Dwell Time	≦ 0.4 seconds

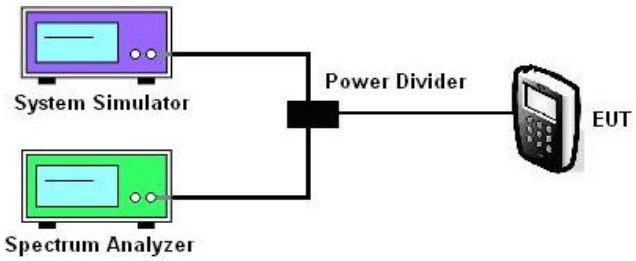
3.9.2 Measuring Instruments

See list of measuring instruments of this test report.

3.9.3 Test Procedures

1. The transmitter output (antenna port) was connected to the spectrum analyzer.
2. Set RBW of spectrum analyzer to 1MHz and VBW to 1MHz.
3. Use a video trigger with the trigger level set to enable triggering only on full pulses.
4. Sweep Time is more than once pulse time.
5. Set the center frequency on any frequency would be measured and set the frequency span to zero span.
6. Measure the maximum time duration of one single pulse.
7. Set the EUT in continuous transmitting for each supported maximum packet format.
8. Measure the maximum time duration of one single pulse.
9. Use the marker-delta function to calculate the dwell time.
10. Dwell Time = Total Number of channels x 0.4(s) x Average Hopping Channel x package transfer time
11. Average Hopping Channel = Total Number of hopping / sweep time

3.9.4 Test Setup



3.9.5 Test Result of Hopping Frequency Dwell Time

Not Applicable.

3.10 Construction Protection Confirmation Method

3.10.1 Limit

The high-frequency section and modulation section of the radio equipment except for the antenna system shall not be capable of being opened easily.

3.10.2 Confirmation Method

☐	Sealed with special screws.
☐	Plastic chassis is being welded using ultrasonic waves.
☐	Chassis is glued using a special adhesive.
☐	Metal covers are spot-fused.
■	Cover is specially interlocked.
☐	RF and Modulation components are covered with shielding case and this shielding case is soldered.
☐	Shield case is welded at RF and modulation parts, and ID-ROM is welded using the BGA Method.
☐	Shield case is welded at RF and modulation parts, and ID-ROM is glued at its lead with a special adhesive.
☐	Shield case is welded at RF and modulation parts, and ID-ROM is glued with a non-transparent laminating agent.
☐	Other :

3.10.3 The Photos of Construction Protection

4 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Calibration Date	Test Periods	Due Date	Calibration Body	Calibration Method
Spectrum Analyzer	Rohde & Schwarz	FSV 40	101566	Jul. 22, 2020	Sep. 30, 2020	Jul. 21, 2021	Rohde & Schwarz	C
Power Sensor	DARE	RPR3006W	17I00015SNO37	Dec. 02, 2019	Sep. 30, 2020	Dec. 01, 2020	ETC, R.O.C	C
Programmable Power Supply	GW Instek	PSS-2005	EL890094	Oct. 09, 2019	Sep. 30, 2020	Oct. 08, 2020	GW Instek	C
Multimeter	GW Instek	GDM-461	GUT210214	Feb. 06, 2020	Sep. 30, 2020	Feb. 05, 2021	ETC , R.O.C	C

Note: Above test equipment was used and kept valid calibration period during test.

Calibration Method :

a)：Calibration conducted by the National Institute of Information and Communications Technology～ NICT～ or a designated calibration agency under Article 102-18 paragraph

(1) TELEC Engineering Center, Intertek Japan K.K., Keysight Technologies, Inc～.

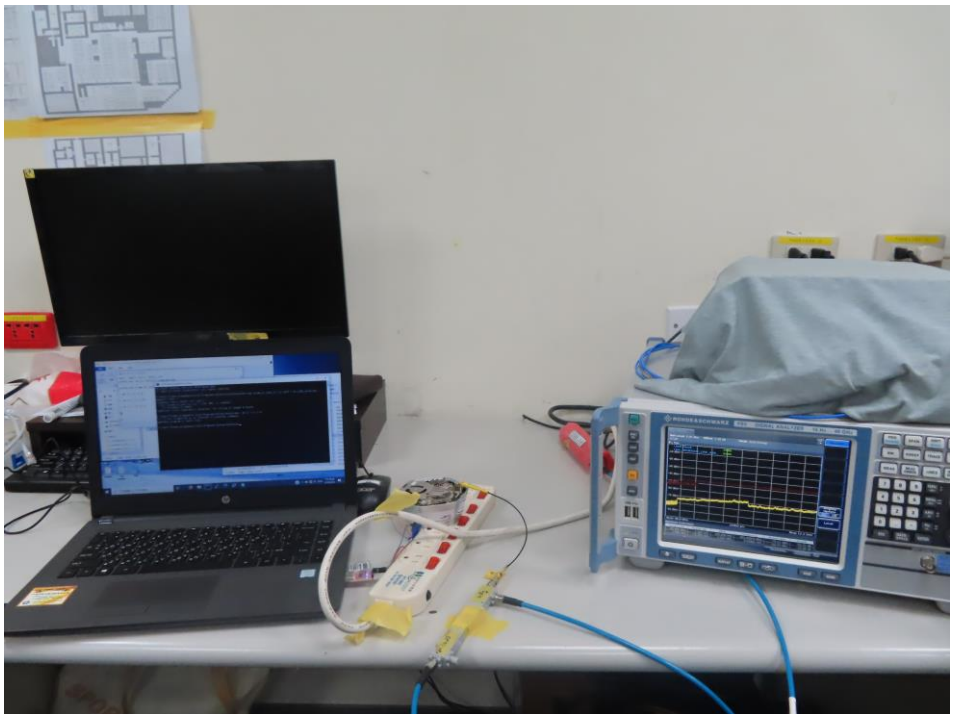
b)：Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992)～Japan Calibration Service System～

c)：Calibration conducted in foreign countries, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph

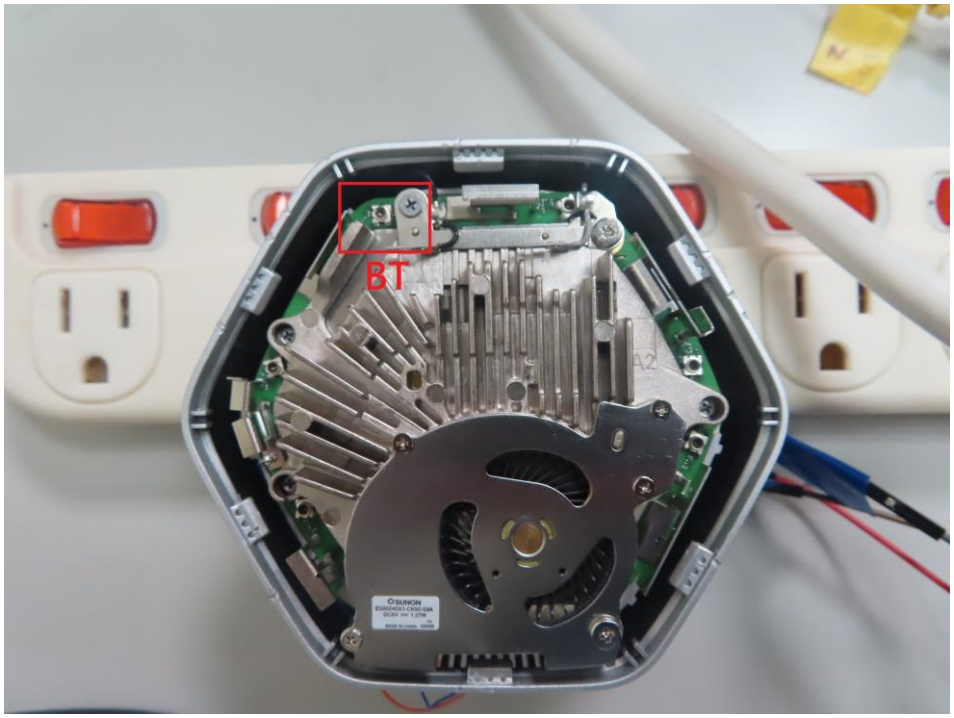
(1)～ TELEC Engineering Center, Intertek Japan K.K., Keysight Technologies, Inc～.

Appendix A. Setup Photographs

Front View



Near View



Appendix B. Test Results

Please refer to the following pages for test results.

1. TEST RESULTS DATA
Low Energy 1M (Normal Voltage)

Environment of Test Room	Temperature	23.6	°C
	Humidity	54.2	%
Tool & Version	CMD		
Test Engineer	Jacob Yu		

Modulatoin Type :	GFSK
Type Emissions :	1M08F1D

Declaration Output Power	0.800	mW
Declaration Output Power	-0.969	dBm
Antenna Power (E.I.R.P)	-0.869	dBm
Input Power Voltage	100.000	Vac

Path Loss		11.60	dB
Burst	ON TIME	0.391	msec
	OFF TIME	0.232	msec
	Ratio	62.76	%
Packet Type (Mode)		Low Energy	mode

Antenna Information:

Antenna Model	Antenna Type	Gain(dBi)
Refer to antenna report	Slot	0.10

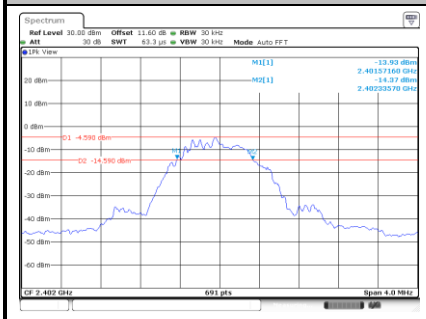
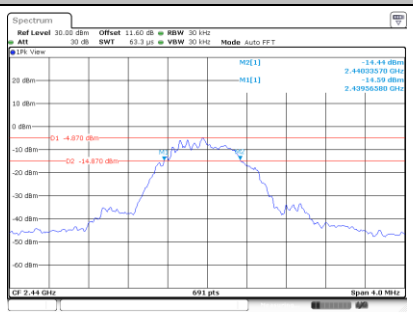
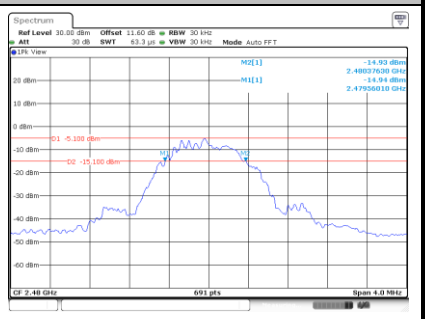
1.1. Test Results (Normal Voltage)

Measurement Frequency		MHz	2402	2440	2480	Limit	Result			Note
Channel Number		Ch.	0	19	39		0	19	39	
Reading Frequency		MHz	2401.954	2439.951	2479.968		-----	-----	-----	
Frequency Tolerance		ppm	-19.296	-20.184	-12.823	-50≦x≦+50	PASS	PASS	PASS	
Occupied Bandwidth		MHz	1.07	1.07	1.08	26	PASS			
RF Output Power		mW	0.794	0.759	0.724	10	PASS			
E.I.R.P		dBm	-0.900	-1.100	-1.300	12.14	PASS			
RF Output Power Tolerance		%	-0.71	-5.18	-9.45	-80≦x≦+20	PASS			
Output Power (With burst radio		dBm	-1.00	-1.20	-1.40		-----			
Unwanted Emission Intensity	Under 2387MHz	µW/MHz	0.04055	0.00224	0.00342	2.5	PASS	PASS	PASS	
		MHz	2385.267	960.282	2317.338		-----	-----	-----	
	2387MHz - 2400MHz	µW/MHz	5.62341	0.01038	0.00155	25	PASS	PASS	PASS	
		MHz	2399.971	2399.730	2399.594		-----	-----	-----	
	2483.5MHz - 2496.5MHz	µW/MHz	0.00197	0.00410	1.17761	25	PASS	PASS	PASS	
		MHz	2495.373	2484.140	2483.503		-----	-----	-----	
	2496.5MHz - 12.5GHz	µW/MHz	0.00179	0.00205	0.00689	2.5	PASS	PASS	PASS	
		MHz	5833.834	6995.124	2498.000		-----	-----	-----	
Limitation of Collateral Emission of Receiver	Under 1GHz	nW	0.023	0.022	0.030	4	PASS	PASS	PASS	
		MHz	952.135	864.359	951.650		-----	-----	-----	
	1 -12.5GHz	nW	0.240	0.251	0.247	20	PASS	PASS	PASS	
		MHz	5847.325	5862.657	5839.659		-----	-----	-----	
Radio Interference Prevention Capability		-----	good				PASS			

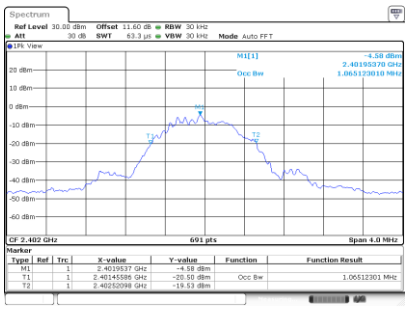
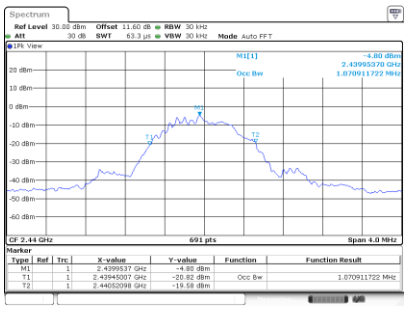
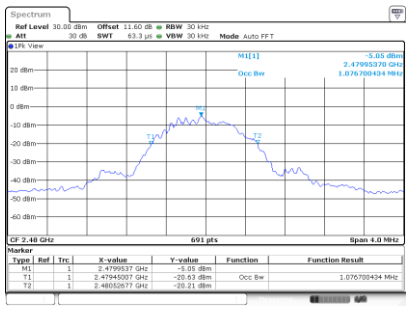
Appendix C. Test Plots

C.1. LE_1M_NV (Low Energy)

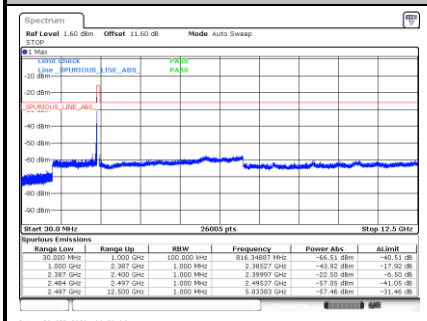
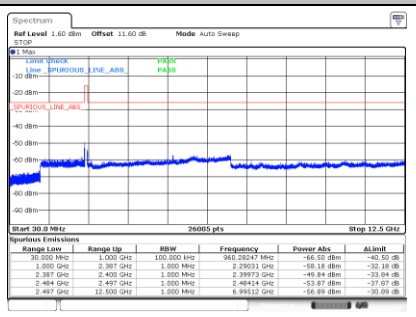
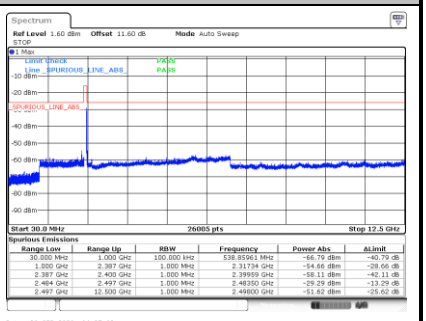
C.1.1. Frequency Tolerance

Low Channel	Middle Channel	High Channel
		

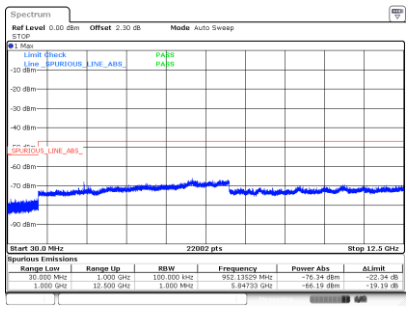
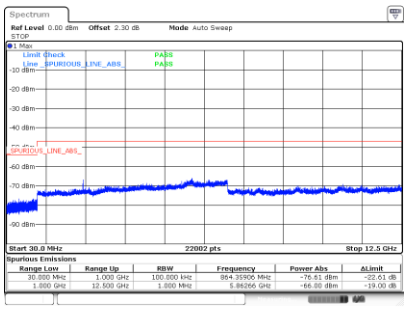
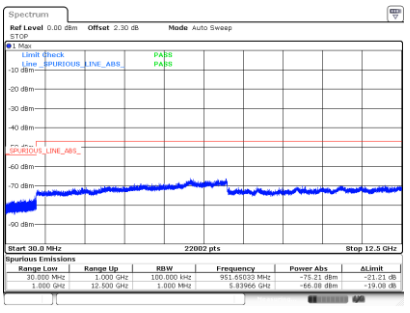
C.1.2. Occupied Bandwidth

Low Channel	Middle Channel	High Channel
		

C.1.3. Unwanted Emission Intensity

Low Channel	Middle Channel	High Channel
		

C.1.4. Limitation of Collateral Emission of Receiver

Low Channel	Middle Channel	High Channel
		

THE END