ACCREDITED
CERT #5473.03

Test Report No.:
TELECSZ2025-0025-RF1

RF Test Report

NAME OF SAMPLE	:	**LYNX Mirror Touch Adapter**
APPLICANT	:	**SKYCREATION Inc.**
CLASSIFICATION OF TEST	:	**N/A**

CVC Testing Technology (Shenzhen) Co., Ltd.

複製禁止

Applicant	**Name :SKYCREATION Inc.** **Address :Estate Nakamachi 2-D, 1-21-16 Nakamachi, Machida-shi, Tokyo 194-0021, Japan**
Manufacturer	**Name : ShenZhen Bijiasuo Electronic Co., Ltd** **Address :105,Building 13th,Software Town Of Shenzhen Universiade,8288 Longgang Avenue,Heao Community,Yuanshan Street,Longgang District,Shenzhen**
Equipment Under Test	**Name : LYNX Mirror Touch Adapter** **Model/Type: SKY-MT01** **Additional model:See section 2.1** **Trade mark :N/A** **Serial NO.:N/A** **Sampe NO.:N/A**

Date of Receipt.	**Jul.1,2025**	Date of Testing	**Jul.1,2025～Aug.19,2025**

Test Specification	**Test Result**
Article 2 Section 1 Item 19 **MIC Notice No.88 Appendix No.43**	PASS
Evaluation of Test Result	The equipment under test was found to comply with the requirements of the standards applied. Seal of CVC **Issue Date:Aug.19,2025**

Compiled by:	Reviewed by:	Approved by:
Liang Jiatong	Mo Xianbiao	Dong Sanbi
Name Signature	Name Signature	Name Signature

Other Aspects: NONE.

Abbreviations:OK, Pass= passed Fail = failed N/A= not applicable EUT= equipment, sample(s) under tested

This test report relates only to the EUT, and shall not be reproduced except in full, without written approval of CVC.

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
TELECSZ2025-0025-RF1	Original release	Aug.19,2025

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1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

Item	Article 2 Section 1 Item 19 Reference	ARIB STD-T66 Reference	Report reference	Result
GENERAL PROVISIONS				
Frequency Tolerance	C	3.2 (4)	3.1	PASS
Occupied bandwidth	D	3.2 (7)	3.2/3.3	PASS
Spurious emissions	E	3.2 (6)	3.4	PASS
TRANSMITTING EQUIPMENT				
Antenna power	F	3.2 (1)	3.5	PASS
SAR	--	--	--	N/A
TRANSMITTING ANTENNA				
Type, configuration, etc. of transmitting antenna	--	--	2.6	PASS
Direction pattern of transmitting antenna	--	--	2.6	PASS
RECEIVING EQUIPMENT				
Spurious emissions of receiver	H	3.3 (1)	3.6	PASS
Refer to all articles for transmitting antenna	--	--	2.6	PASS
OPERATING FREQUENCY 2400 TO 2483.5MHz				
High Frequency/modulation section cannot be opened easily	--	3.7 (1)	2.5	PASS
Communication method	--	3.1 (1)	2.1	PASS
Modulation method	--	3.2 (1)a	2.1	PASS
Spread spectrum method	--	3.2 (1)a	2.1	Only for reported
Antenna power	--	3.2 (2)	3.5	PASS
Absolute gain of transmitting antenna	--	3.6 (2)	3.5	N/A(Note 4)
Angular width of principal radiation (AWPR)	--	3.6 (2)	/	N/A(Note 4)
Number of carriers within 1 MHz bandwidth in OFDM	--	3.2 (10)	/	PASS
Diffusion bandwidth	--	3.2 (8)	3.3	PASS
Spreading factor	--	3.2 (9)	3.3	Only for reported
Interference Prevention Function	--	3.4.1 (1)	3.8	PASS
Carrier Sense Capability-1	--	3.4.1 (3)	3.7	N/A(Noe 2)
Carrier Sense Capability-2	--	3.4.1 (3)	3.7	PASS(Noe 3)

Note:
Note1:N/A: In this whole report not applicable.
Note2:Not apply to this device, since EIRP does not require compensation through Antenna Power.
Note3:Apply for 802.11n40 which the occupied bandwidth within 26MHz-40MHz
Note4:The transmitting antenna with its absolute gain less 12.14 dB
Note5:This report changes the applicant, product name and model on TELTELECSZ2025-0016-RF1. No testing is required. The data is derived from the original TELTELECSZ2025-0016-RF1.

1.1 LIST OF TEST AND MEASUREMENT INSTRUMENTS

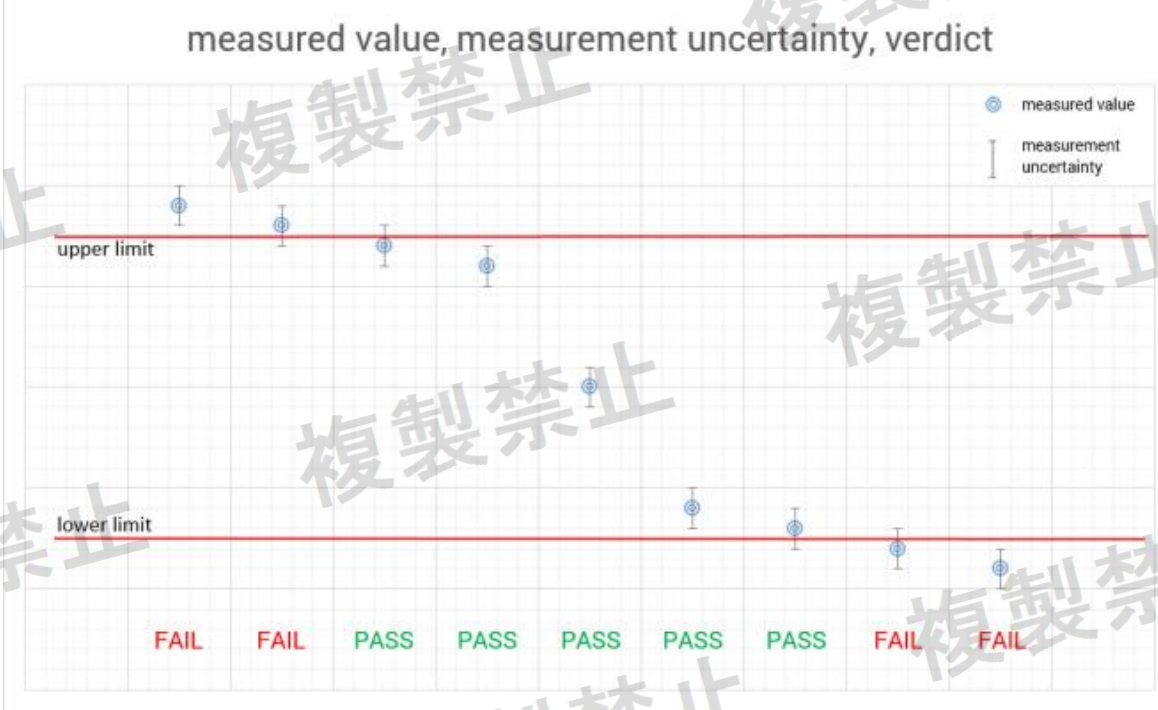
Equipment	Manufacturer	Model No.	Serial Number	Cal. interval	Cal. Due
Antenna Port Conducted Test					
Signal&Spectrum Analyzer	Rohde&Schwarz	FSV 30	104408	1 year	2026/4/22
Signal&Spectrum Analyzer	Keysight	N9020B	MY6227-132	1 year	2026/4/22
Signal&Spectrum Analyzer	PROSOUND	SP926B	MY6227-133	1 year	2026/4/22
#3Shielding room	MORI	443	N/A	3 year	2026/5/16
Wideband radio communication tester	Rohde&Schwarz	CMW 500	168587	1 year	2026/5/22
Analog signal Generator (100kHz ~ 40GHz)	Rohde&Schwarz	SMB 100A	181934	1 year	2026/4/22
Vector signal Generator (9kHz ~ 6GHz)	Rohde&Schwarz	SGT 100A	111724	1 year	2026/4/22
RF control unit(BT/WiFi)	Tonscend	JS0806-2-8CH	CS0300023	1 year	2026/4/22
10db attenuator	JUNKE	SMA-10-18-N	250312743	1 year	2026/6/6
Power splitter	Anritsu	K240CPOWERDIVIDER	012334	1 year	2026/6/6
Temperature and humidity meter	/	C193561457	C193561457	1 year	2026/4/28

1.2 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Support Equipment		
1	Radio frequency	± 6.5 x 10^{-8}
2	Occupied Channel Bandwidth	± 1.86 %
3	RF output power, conducted	± 0.9 dB
4	Power Spectral Density	± 0.6 dB
5	Spurious emissions ,conducted	± 2.7 dB
6	Supply voltages	± 0.68 %
7	Time	± 0.19 %
8	Adjacent Channel Power	± 1.3 dB
Remark: 95% Confidence Levels, k=2.		

Only the measured values related to their corresponding limits will be used to decide whether the equipment under test meets the requirements of the test standards listed.
The measurement uncertainty is mentioned in this test report, but is not taken into account - neither to the limits nor to the measurement results. Measurement results with a smaller margin to the corresponding limits than the measurement uncertainty have a potential risk of more than 5% that the decision might be wrong.



1.3 TEST LOCATION

The tests and measurements refer to this report were performed by EMC testing Lab of CVC Testing Technology (Shenzhen) Co., Ltd.

Lab Address: No. 1301-14&16, Guanguang Road, Xinlan Community, Guanlan Subdistrict, Longhua District, Shenzhen, Guangdong, China
Post Code：518110 Tel：0755-23763060-8805
Fax：0755-23763060 E-mail：sz-kf@cvc.org.cn
FCC(Test firm designation number：CN1363)
IC(Test firm CAB identifier number：CN0137)
CNAS(Test firm designation number：L16091

2 GENERAL INFORMATION

2.1 GENERAL PRODUCT INFORMATION

PRODUCT	LYNX Mirror Touch Adapter
BRAND	N/A
MODEL	SKY-MT01
ADDITIONAL MODEL	N/A
POWER SUPPLY	DC 5V From USB
TYPE OF EQUIPMENT	Data transmission equipment operating in the 2.4GHz
MODULATION TYPE	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM
MODULATION TECHNOLOGY	DSSS, OFDM
OPERATING FREQUENCY	2412MHz ~ 2472MHz for 802.11b/g/n(HT20) 2422MHz ~ 2462MHz for 802.11n(HT40)
NUMBER OF CHANNEL	802.11b/g/n (HT20): 13 802.11n(HT40):9
RATED RF OUTPUT POWER DENSITY	SEE NOTE 6
CONDUCTED POWER DENSITY	SEE NOTE 6
EIRP POWER DENSITY	SEE NOTE 6
HW-RELEASE NO	V1.1
SW-RELEASE NO	V110102
ANTENNA TYPE(NOTE 5)	PCB Antenna,-0.31dBi Gain
I/O PORTS	Refer to user’s manual

NOTE:

1. For more detailed features description, please refer to the manufacturer’s specifications or the User's Manual.
2. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.
3. Please refer to the EUT photo document (Reference No.:TELECSZ2025-0025-EUT) for detailed product photo.
4. Since the above data and/or information is provided by the client, CVC is not responsible for the authenticity, integrity and results of the data and information and/or the validity of the conclusion.
5. The RF output power as below table:

Mode	Rated output power density(mW/MHz)	Conducted power density (mW/MHz)	EIRP power density (dBm/MHz)
802.11b	4	3.7411	5.42
802.11g	7	6.7920	8.01
802.11n(HT20)	4	3.6728	5.34
802.11n(HT40)	3	2.0091	2.72

2.2 DESCRIPTION OF TEST CHANNELS

Operating frequency of each channel

2.4G WIFI					
802.11b/g/n (HT20)					
CHANNEL	**FREQ. (MHz)**	**CHANNEL**	**FREQ. (MHz)**	**CHANNEL**	**FREQ. (MHz)**
1	**2412**	6	2437	11	2462
2	2417	**7**	**2442**	12	2467
3	2422	8	2447	**13**	**2472**
4	2427	9	2452		
5	2432	10	2457		
802.11n (HT40)					
CHANNEL	**FREQ. (MHz)**	**CHANNEL**	**FREQ. (MHz)**	**CHANNEL**	**FREQ. (MHz)**
3	**2422**	6	2437	9	2452
4	2427	**7**	**2442**	10	2457
5	2432	8	2447	**11**	**2462**

Note:

1. The channels which were indicated in bold type of the above channel list were selected as representative test channel. Therefore only the data of the test channels were recorded in this report.
2. By means of test software which provided by manufacture, the power levels during the tests were set according to the following codes:

2.4G WIFI							
802.11b		802.11g		802.11n(HT20)		802.11n(HT40)	
FREQUENCY MHZ)	POWER SETTING	FREQUENCY (MHZ)	POWER SETTING	FREQUENCY (MHZ)	POWER SETTING	FREQUENCY (MHZ)	POWER SETTING
2412	default	**2412**	default	**2412**	default	**2422**	default
2442	default	**2442**	default	**2442**	default	**2442**	default
2472	default	**2472**	default	**2472**	default	**2462**	default

2.3 ENVIRONMENTAL CONDITIONS

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

Battery Voltage	Normal Voltage / NV	-
	Low Voltage /LV	-
	High Voltage /HV	-
RF Chip Voltage	Normal Voltage / NV	3.3V
	Low Voltage /LV	3.3V
	High Voltage /HV	3.3V
Adapter Voltage	Normal Voltage / NV	DC 5.0V
	Low Voltage /LV	DC 4.5V
	High Voltage /HV	DC 5.5V
Other	Normal Temperature/Tnor:	25°C
	lative Humidity	55 %
	Air Pressure	989 hPa

Note: After checking the fluctuation of input voltage to the circuit of the radio part (excluding the power supply) of the equipment to be tested, the fluctuation less than +/- 1 % when input voltage from an external supply into the equipment fluctuates +/- 10%, therefore, the test is carried out only at the normal voltage.

2.4 ASSEMBLY

The RF circuits are located inside of the EUT. It won't be easy to be opened. Frequency Band, channels and modulation parameters are fixed inside the module. They cannot be edited or modified by end-user.

2.5 ANTENNA SPECIFICATIONS

2.5.1 ANTENNA GAIN

MODULATION MODE	ANT.TAG	Ant. Type	Connector Type	Highest Peak Gain (dBi) 2.4GHz ~ 2.5GHz
2.4G WIFI	1	PCB Antenna	N/A	-0.31

2.5.2 ANTENNA PATTERN

Please refer to the attached file (Antenna report).

2.6 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a RF product, according to the specifications of the manufacturers. It must comply with the requirements of the following standards:

ARTICLE 2 SECTION 1 ITEM 19

MIC Notice No.88 Appendix No.43

All test items have been performed and recorded as per the above standard

2.7 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Support Equipment					
NO	**Description**	**Brand**	**Model No.**	**Serial Number**	**Supplied by**
1	Serial port board	N/A	CH340	N/A	Lab

Support Cable							
NO	**Description**	**Quantity (Number)**	**Length (m)**	**Detachable (Yes/ No)**	**Shielded (Yes/ No)**	**Cores (Number)**	**Supplied by**
1	N/A	N/A	N/A	N/A	N/A	N/A	N/A

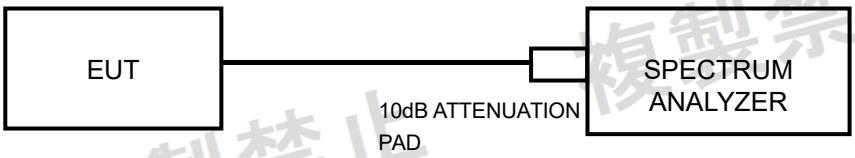
3 TEST TYPES AND RESULTS

3.1 FREQUENCY TOLERANCE MEASUREMENT

3.1.1 Limit

Tolerance of frequency shall be +/- 50ppm

3.1.2 Test setup



3.1.3 Test Procedure:

WLAN

Frequency: Test Frequency
RBW: 100 kHz(Modulation ON),
VBW: 100 kHz(Modulation ON),
Sweep: Time Auto
Detector mode: peak
Trace mode Maxhold

3.1.4 Test results

Please refer Appendix

3.2 OCCUPIED BANDWIDTH MEASUREMENT (99% POWER BANDWIDTH)

3.2.1 Limit

ITEM	LIMIT	REMARK
Occupied bandwidth	<26MHz	For 802.11b, g & 802.11n (HT20)
Occupied bandwidth	26 - 40MHz	802.11n (HT40)

3.2.2 Test setup

3.2.3 Test Procedure:

Frequency:Test Frequency
Span:From the allowable value prescribed in the facility regulations to about
RBW:3%or less of the allowable value prescribed in the equipment regulations
VBW:Same as RBW
Sweep point:>400 points
Sweep:Continuous sweep,Time Auto Processing count:>10 count
Detector mode: peak

3.2.4 Test results

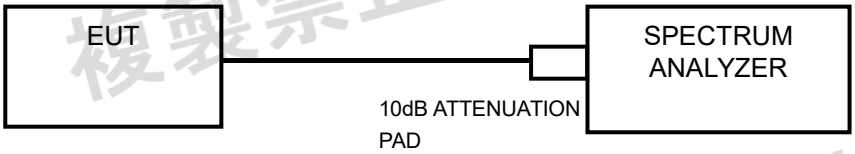
Please refer Appendix

3.3 SPREADING BANDWIDTH MEASUREMENT (90% POWER BANDWIDTH)

3.3.1 Limits

ITEM	LIMIT	REMARK
SPREADING BANDWIDTH	Only for reported	(For DSSS, FHSS)
SPREADING FACTOR	Only for reported	Operating frequency 2400 to 2483.5MHz

3.3.2 Test setup



3.3.3 Test Procedure:

Spectrum Analyzer conditions:
Frequency: Test Frequency
RBW 300 kHz;
VBW 300 kHz
Sweep Time Auto
Detector mode Positive peak
Trace mode Max hold
OBW 90%

3.3.4 Test result

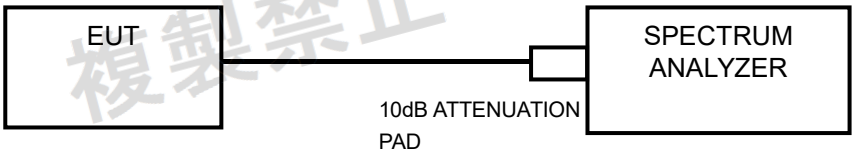
Please refer Appendix

3.4 SPURIOUS EMISSIONS FOR TRANSMITTER MEASUREMENT

3.4.1 Limits

Frequencies (MHz)	Limit	
(MHz)	uW	dBm
Operating frequency 2400 to 2483.5MHz		
2387 ≤ f ＜2400	≤25	≤-16
2483.5＜f ≤ 2496.5	≤25	≤-16
All other frequencies	≤2.5	≤-26

3.4.2 Test setup



3.4.3 Test Procedure:

Spectrum Analyzer conditions:
Step 1
All spurious are measured from 30 MHz to 13 GHz by peak mode.

Step 2
IF the value measured by Step1 is 3 dB or less, measure in average mode.

Test setup for Step 1:
Frequency: 30 MHz – 2400 MHz , 2483.5 MHz –13 GHz
RBW 1MHz (30 – 1GHz) , 1 MHz (over 1GHz)
VBW 3MHz (30 – 1GHz) , 3 MHz (over 1GHz)
Sweep Time Auto
Detector mode Positive peak
Trace mode Max hold

Test setup for Step 2:
Frequency: Spurious Frequency
Span 0 Hz
RBW 100 kHz (30 – 1GHz) , 1 MHz (over 1GHz)
VBW 100 kHz (30 – 1GHz) , 1 MHz (over 1GHz)
Sweep Time Auto
Detector mode Sample
Trace mode Max hold

3.4.4 Test result

Please refer Appendix

3.5 ANTENNA POWER MEASUREMENT

3.5.1 Limits

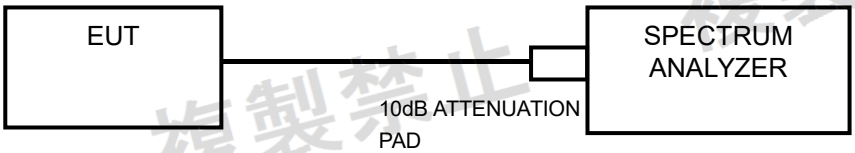
Modulation system	Frequency band used	Antenna power (max.)	EIRP (max)	
			Omni-directional case	Directional case
DS.OFDM (Narrow-Band)	2,400 – 2,4835 MHz	10mW/MHz	12.14 dBm/MHz (16.367 mW/MHz)	22.14 dBm/MHz (163.67 mW/MHz)
OFDM (Wide-Band)	2,400 – 2,4835 MHz	5mW/MHz	9.13dBm/MHz (8.18mW/MHz)	19.13dBm/MHz (81.84mW/MHz)

Tolerance of antenna power shall be +20% (upper value)

According article 49.20 f(2)The angular width of the principal radiation in the horizontal and vertical planes of the transmitting antenna shall not exceed the value obtained by the following expression.
360/A degree
A represents the value determined by dividing an equivalent isotropically radiated Power by the value obtained by applying an antenna power with the mean power Of 10 mW to the transmitting antenna with its absolute gain being 2.14 dB, and shall be 1 when it is lower than 1

3.5.2 Test setup

WLAN test setup



3.5.3 Test Procedure:

Spectrum Analyzer conditions:

Step 1:Frequency:Test Frequency
Span:About twice the occupied frequency bandwidth
RBW:1 MHz;VBW:1 MHz
Sweep point:>400 points
Sweep:Continuous sweep,Time Auto Detector mode:Positive peak
Indication mode Max hold

Step 2:Frequency:The frequency that gives the maximum power (searched frequency)
Span:0
VBW:1 MHz
Sweep:Continuous sweep,Time Auto

3.5.4 Test result

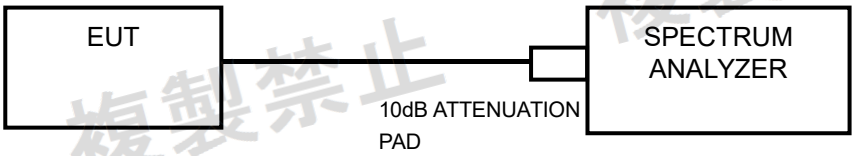
Please refer Appendix

3.6 SPURIOUS EMISSIONS FOR RECEIVER

3.6.1 Limits

Frequencies (MHz)	Limit	
(MHz)	nW	dBm
Below 1GHz	≤4	≤-54
Above 1GHz	≤20	≤-47

3.6.2 Test setup



(EUT operate in multiple outputs:
The measurement was investigated worst chain and the worst chain was selected as representative test and add 10log(N), its data was recorded in this report.)

3.6.3 Test Procedure:

Spectrum Analyzer conditions:
Step 1
All spurious are measured from 30 MHz to 13 GHz by peak mode.

Step 2
IF the value measured by Step1 is 3 dB or less, measure in average mode.

Test setup for Step 1:
Frequency: 30 MHz – 2400 MHz , 2483.5 MHz –13 GHz
RBW 100 kHz (30 – 1GHz) , 1 MHz (over 1GHz)
VBW 300 kHz (30 – 1GHz) , 3 MHz (over 1GHz)
Sweep Time Auto
Detector mode Positive peak
Trace mode Max hold

Test setup for Step 2:
Frequency: Spurious Frequency
Span 0 Hz
RBW 100 kHz (30 – 1GHz) , 1 MHz (over 1GHz)
VBW 100 kHz (30 – 1GHz) , 1 MHz (over 1GHz)
Sweep Time Auto
Detector mode Sample
Trace mode Max hold

3.6.4 Test result

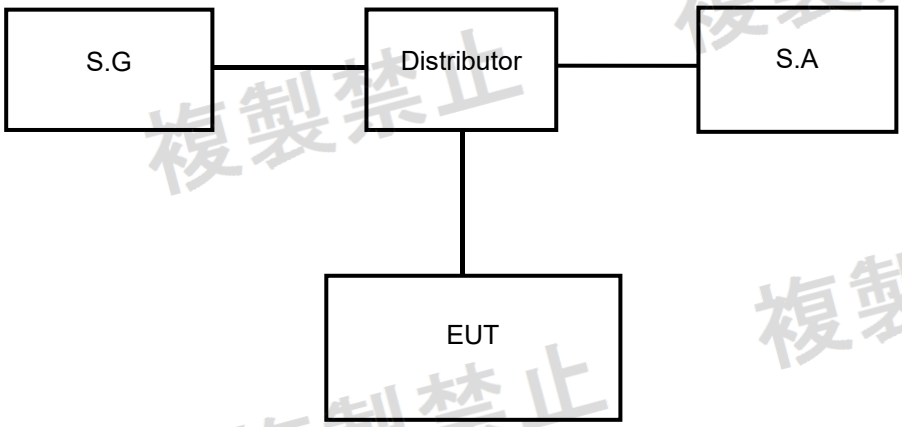
Please refer Appendix

3.7 CARRIER SENSE CAPABILITY

3.7.1 Limits

The radio equipment connected to telecommunication circuit equipment shall be equipped with a device which detects emissions radiated from another radio station and prevents interference, or a device which prevents interference by operation on a receive signal and a signal for diffusion for signal level detection.

3.7.2 Test setup



(EUT operate in multiple outputs: The measurement was performed by combiner.)

1. Turn the standard signal generator output OFF. Leave the equipment under test to be ready for transmission and verify the transmission with the spectrum analyzer.
2. Set the equipment under test to the receiving state.
3. Turn the standard signal generator ON and leave the equipment under test to be ready for transmission and verify with the spectrum analyzer that no transmission is being made.

3.7.3 Test result

Please refer Appendix

3.8 INTERFERENCE PREVENTION FUNCTION

3.8.1 Limits

Radio equipment used mainly on the same premises and automatically transmits or receives identification code

3.8.2 Test setup

3.8.3 Test Procedure:

Standard Requirement:
1) Measurement system diagram as shown above and test equipment keep transmitting identification code.
2) Condition of measuring instrument
(1) Demodulator must be able to demodulate the transmitting signal emitted by test equipment and to indicate the identification code.
3) Condition of test equipment The mode of normal use.
4) Measuring operation procedure
(1) When test equipment has the function to transmit identification code automatically:
A) Transmit the predetermined identification code from test equipment.
B) Confirm the transmitted identification code by demodulator.

3.8.4 Test result

Please refer Appendix

4 PHOTOGRAPHS OF TEST SETUP

Please refer to the attached file (Test Setup Photo).

5 PHOTOGRAPHS OF THE EUT

Please refer to the attached file (External Photos report and Internal Photos).

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------ End of the Report ------

Important

(1) The test report is invalid without the official stamp of CVC;

(2) Any part photocopies of the test report are forbidden without the written permission from CVC;

(3) The test report is invalid without the signatures of Approval and Reviewer;

(4) The test report is invalid if altered;

(5) Objections to the test report must be submitted to CVC within 15 days.

(6) Generally, commission test is responsible for the tested samples only.

(7) As for the test result “-” or “N” means “not applicable”, “/” means “not test”, “P” means “pass” and “F” means “fail”

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