

RF TEST REPORT

For

SWIT Electronics Co.,Ltd.

Product Name: Wireless SDI & HDMI

Test Model(s): CREW TX

Report Reference No. : DACE260529001RF001

Applicant's Name : SWIT Electronics Co.,Ltd.

Address : 10 Heng Tong Road,Xin' gang Nanjing Economic and Technological
Development Zone Nanjing 210038 ,P.R.China

Testing Laboratory : Shenzhen DACE Testing Technology Co., Ltd.

Address : 102, Building H1, & 1/F., Building H, Hongfa Science & Technology Park,
Tangtou Community, Shiyan Subdistrict, Bao'an District, Shenzhen,
Guangdong, China

Test Specification Standard : Article 2-1, Item 19-3

Date of Receipt : January 31, 2026

Date of Test : January 31, 2026 to April 15, 2026

Date of Issue : May 30, 2026

Result : Pass

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Apply for company information

Applicant's Name	:	SWIT Electronics Co.,Ltd.
Address	:	10 Heng Tong Road,Xin' gang Nanjing Economic and Technological Development Zone Nanjing 210038 ,P.R.China
Product Name	:	Wireless SDI & HDMI
Test Model(s)	:	CREW TX
Series Model(s)	:	CREW-V TX, CREW RX, CREW-V RX, CREW MAX RX,
Test Specification Standard(s)	:	Article 2-1, Item 19-3

NOTE1:

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

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May 30, 2026

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May 30, 2026

Approved by:

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May 30, 2026

Revision History Of Report

Version	Description	REPORT No.	Issue Date
V1.0	Original	DACE260131008RL001	April 15, 2026
V2.0	Update *	DACE260529001RF001	May 30, 2026

*Note: Update the product nameplate information, keep other information unchanged, and refer to the test data in the original report.

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1 TEST SUMMARY

1.1 Test Standards

The tests were performed according to following standards:

Article 2-1, Item 19-3 : 5G WIFI

1.2 Summary of Test Result

Item	Standard	Method	Requirement	Result
Tolerance of Frequency	Article 2-1, Item 19-3	Article 2-1, Item 19-3	Article 2-1, Item 19-3	Pass
Occupied Bandwidth (99%)	Article 2-1, Item 19-3	Article 2-1, Item 19-3	Article 2-1, Item 19-3	Pass
Antenna Power and Tolerance	Article 2-1, Item 19-3	Article 2-1, Item 19-3	Article 2-1, Item 19-3	Pass
E.I.R.P	Article 2-1, Item 19-3	Article 2-1, Item 19-3	Article 2-1, Item 19-3	Pass
Out of Band Emission	Article 2-1, Item 19-3	Article 2-1, Item 19-3	Article 2-1, Item 19-3	Pass
Adjacent Channel Emitted Power	Article 2-1, Item 19-3	Article 2-1, Item 19-3	Article 2-1, Item 19-3	Pass
Spurious Emission Intensity	Article 2-1, Item 19-3	Article 2-1, Item 19-3	Article 2-1, Item 19-3	Pass
Secondary Radiated Emissions	Article 2-1, Item 19-3	Article 2-1, Item 19-3	Article 2-1, Item 19-3	Pass
Carrier Sensing 1	Article 2-1, Item 19-3	Article 2-1, Item 19-3	Article 2-1, Item 19-3	Pass
Interference Prevention Function	Article 2-1, Item 19-3	Article 2-1, Item 19-3	Article 2-1, Item 19-3	Pass
Transmission Burst Length	Article 2-1, Item 19-3	Article 2-1, Item 19-3	Article 2-1, Item 19-3	Pass

Note: 1.N/A -this device(EUT) is not applicable to this testing item

2. RF-conducted test results including cable loss.

1.3 Test Environmental conditions

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

Temperature	Normal Temperature:	25°C
Voltage	Normal Voltage	DC:14.4V
	Low Voltage	DC:12.6V
	High Voltage	DC:15.4V
Other	Relative Humidity	55 %
	Air Pressure	101 kPa

When the external power supply voltage is normal Voltage/ low Voltage/ high Voltage, in the RF circuit, monitor the BT chip power supply voltage, the voltage is as follows:

External power supply	module input power	RF chip voltage	Tolerance (%)
DC:14.4V	DC 3.3V	DC 3.3V	0
DC:12.6V	DC 3.3V	DC 3.3V	0
DC:15.4V	DC 3.3V	DC 3.3V	0

Note: The power supply supplies the voltage rating and the voltage rating $\pm 10\%$. However, when it can be confirmed that the change of the input voltage to the wireless part circuit of the testing machine is $\pm 1\%$ or less when the input voltage to the testing machine from the external source changes at $\pm 10\%$, examines it only by the voltage rating.

2 GENERAL INFORMATION

2.1 Client Information

Applicant's Name : SWIT Electronics Co.,Ltd.
Address : 10 Heng Tong Road,Xin' gang Nanjing Economic and Technological Development Zone Nanjing 210038 ,P.R.China

Manufacturer : SWIT Electronics Co.,Ltd.
Address : 10 Heng Tong Road,Xin' gang Nanjing Economic and Technological Development Zone Nanjing 210038 ,P.R.China

2.2 Description of Device (EUT)

Product Name:	Wireless SDI & HDMI
Model/Type reference:	CREW TX
Series Model:	CREW-V TX, CREW RX, CREW-V RX, CREW MAX RX,
Model Difference:	The product has many models, only the model name and exterior is different, and the other parts such as the circuit principle, pcb and electrical structure are the same.
Trade Mark:	SWIT
Power Supply:	DC:7~17V
Operation Frequency:	Antenna1:5240MHz,5290MHz Antenna2:5540MHz,5590MHz,
Number of Channels:	5
Modulation Type:	802.11a: OFDM
Antenna Type:	External Antenna1
Antenna Gain:	Antenna1:3dBi Antenna2:3dBi
Hardware Version:	V1.0
Software Version:	V1.0

2.3 Description of Test Modes

No	Title	Description
TM1	Transmitting mode	Keep the EUT in continuously transmitting at 802.11a mode.
TM2	Receiving mode	Keep the EUT in receiving mode with 20MHz bandwidth.
TM3	Normal mode	Keep the EUT in normal communication with pairing device mode.

2.4 Description of Support Units

Title	Manufacturer	Model No.	Serial No.
Battery(DC14.4V)	Camel		

2.5 Equipments Used During The Test

Occupied Bandwidth (99%)

Antenna Power and Tolerance

Out of Band Emission

Transmission Burst Length

Tolerance of Frequency

E.I.R.P

Adjacent Channel Emitted Power

Spurious Emission Intensity

Secondary Radiated Emissions

Carrier Sensing 1

Interference Prevention Function

Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
RF Test Software	Tachoy Information Technology(she n zhen) Co.,Ltd.	RTS-01	V1.0.0	/	/
Power divider	MIDEWEST	PWD-2533	SMA-79	2025-04-18	2026-05-10
RF Sensor Unit	Tachoy Information Technology(she n zhen) Co.,Ltd.	TR1029-2	000001	/	/
Wideband radio communication tester	R&S	CMW500	113410	2026-04-14	2027-04-13
Vector Signal Generator	Keysight	N5181A	MY50143455	2025-12-02	2026-12-01
Signal Generator	Keysight	N5182A	MY48180415	2025-12-02	2026-12-01
Spectrum Analyzer	Keysight	N9020A	MY53420323	2025-12-02	2026-12-01
Power meter	Agilent	E4416	MY48200166	2025-12-06	2026-12-05

Remark.

(a) Calibration conducted by the National institute of information and communications Technolog(NICT) in Japan (hereinafter referred to as "NICT") or a designated calibration agency under Article102-18 paragraph in JRL.

(b) Correction conducted pursuant to the provisions of Article 135 or Article 144 of the MeasuremenAct (Act No. 51 of 1992).

(c) Calibration conducted in countries except japan, which shall be equivalent to the calibrationconducted by the NICT or a designated calibration agency under Article 102-18 paragraph (1).

(d) Calibration, etc. conducted by using measuring instruments and other equipment listed in the rightcolumn of appended table No. 3, which shall have been given any type of calibration, etc. listedabove from (a) to (c).

The calibration corresponds to c described above.

Note: The test equipment is calibrated by GUANGZHOU NEM METROLOGY&TEST TECHNOLOGY CO., LTD., Add: 2/F Building 1, No.176, Hedong Road, Liwan District, Guangzhou, Guangdong, China

2.6 Statement Of The Measurement Uncertainty

Test Item	Measurement Uncertainty
Radio Frequency	$\pm 2 \times 10^{-7}$
Occupied Bandwidth	$\pm 3.63\%$
RF conducted power	$\pm 0.733\text{dB}$
Conducted Spurious emissions	$\pm 1.98\text{dB}$
RF conducted power	$\pm 0.733\text{dB}$
Duty cycle	$\pm 3.1\%$

Note: (1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

2.7 Announcement

The product is a Slave device that meets the following two requirements: 1 Chooses the frequency which transmits automatically by the control from a "master station". 2.Transmission and a stop of a radio wave are performed by the control from a "master station".

3 Radio Spectrum Matter Test Results (RF)

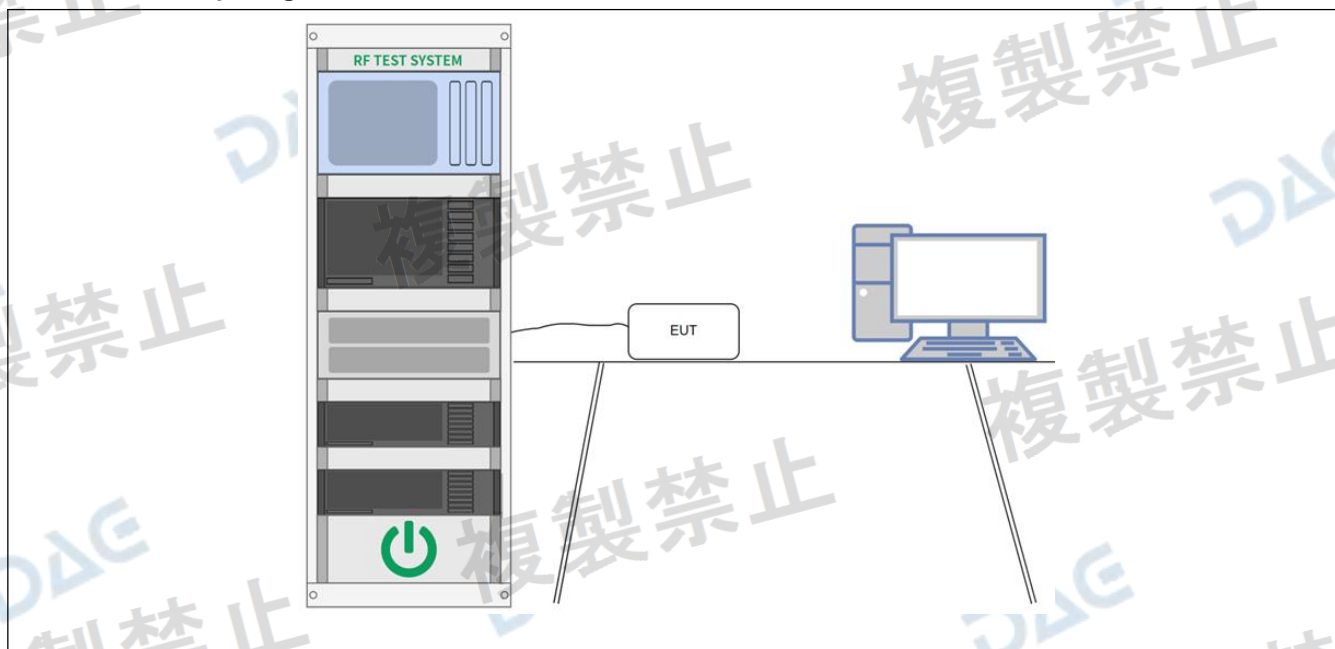
3.1 Tolerance of Frequency

Test Requirement:	Article 2-1, Item 19-3	
Test Limit:	$\pm 20\text{ppm}$	
Test Method:	Center frequency:	Test frequency
	Span:	1 MHz
	RBW:	10 kHz
	VBW:	10 kHz
	Sweep data points:	1001 or greater
	Sweep time:	Auto
	Detector mode:	Positive peak
	Indication mode:	Max hold
Procedure:	(1) Find the peak carrier signal and measure its frequency (2) For multiple antenna systems each antenna shall be measured (3) For an EUT with multiple antennas it is permissible to test a single antenna only, provided all the antenna measurement values are expected to be same for either of the following reasons: a) The frequency of all antenna transmissions are phase-synchronized to a common (fundamental) oscillator b) The antenna transmissions share a common clock signal	

3.1.1 E.U.T. Operation:

Operating Environment:					
Temperature:	22.1 °C	Humidity:	52 %	Atmospheric Pressure:	101.9 kPa
Pretest mode:	TM1				
Final test mode:	TM1				

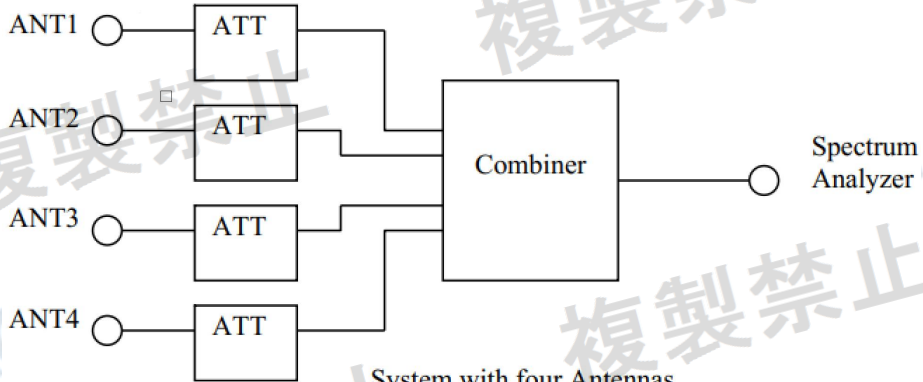
3.1.2 Test Setup Diagram:



3.1.3 Test Data:

Please Refer to Appendix for Details.

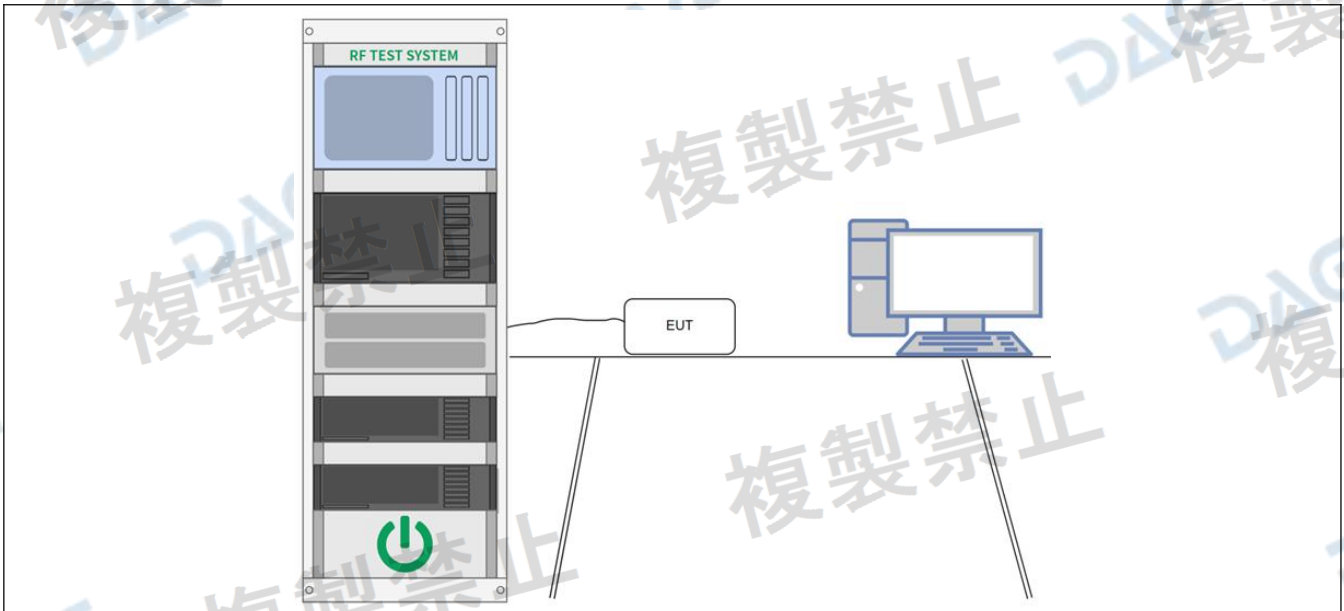
3.2 Occupied Bandwidth (99%)

Test Requirement:	Article 2-1, Item 19-3	
Test Limit:	DSSS: 18MHz OFDM:20/40/80/160MHz	
Test Method:	[Occupied Bandwidth (99%)]	
	Center Frequency:	Test frequency
	Span:	2 – 3.5 times the technical standard
	RBW:	Within 3% of the technical standard
	VBW:	Same as RBW
	Sweep time:	Auto
	Sweep data points:	1001 or greater
	Detector mode:	Positive peak
	Indication mode:	Max hold
	BW setting:	99%
Procedure:	(1) Measure the signal bandwidth using a spectrum analyzer (2) For multiple antenna systems: a) Each antenna shall be individually measured b) If the measured occupied bandwidth for any antenna exceeds [(Occupied Bandwidth Limit) – 100kHz] then, in addition, the occupied bandwidth shall be measured with all antennas combined – see diagram below:  System with four Antennas	

3.2.1 E.U.T. Operation:

Operating Environment:					
Temperature:	22.2 °C	Humidity:	55 %	Atmospheric Pressure:	101.9 kPa
Pretest mode:	TM1				
Final test mode:	TM1				

3.2.2 Test Setup Diagram:



3.2.3 Test Data:

Please Refer to Appendix for Details.

3.3 Antenna Power and Tolerance

Test Requirement:	Article 2-1, Item 19-3	
Test Limit:	10 mW/MHz or less for DSSS and OFDM 20MHz Bandwidth; 5mW/MHz or less for OFDM 40MHz Bandwidth; 2.5mW/MHz or less for OFDM 80MHz Bandwidth; 1.25mW/MHz or less for OFDM 80+80MHz or 160MHz Bandwidth; Antenna power tolerance: -80% ~ +20% for 5150~5250MHz and 5250~5350MHz; -50% ~ +50% for 5470~5725MHz;	
Test Method:	[Setting 1] – Search for peak power frequency	
	Center Frequency:	Test frequency
	Span:	Approximately twice the occupied bandwidth
	RBW:	1MHz
	VBW:	Approximately three times the RBW
	Sweep time:	Auto
	Sweep data points:	1001 or greater
	Detector mode:	Positive peak
	Indication mode:	Max hold
	[Setting 2] – Measurement of average antenna power for FHSS, DSSS, OFDM	
	Frequency:	Frequency of peak power found using [Setting 1]
	Span:	0 Hz
	RBW:	3 MHz (FHSS in 7.4.1.1) 1MHz (DSSS, OFDM, FHSS in 7.4.1.2)
	Detector mode:	Sample
	Sweep:	Minimum time required to make an accurate measurement.
		For burst type (intermittent) transmission sweep time shall be greater than one burst interval
	Sweep data points:	1001 or greater
	[Setting 3] – Measurement of average antenna power other than for FHSS, DSSS, OFDM	
	Frequency:	Frequency of peak power found using [Setting 1]
	Span:	0 Hz
	RBW:	Bandwidth sufficient to cover that occupied by the carrier
	VBW:	Bandwidth sufficient to cover that occupied by the carrier
	Detector mode:	Sample
	Sweep:	Minimum time required to make an accurate measurement.
		For burst type (intermittent) transmission sweep time shall be greater than one burst interval
	Sweep data points:	1001 or greater
Procedure:	(1) After configuring the spectrum analyzer to [Setting 1], find the frequency of maximum transmitted power (2) After configuring the spectrum analyzer to [Setting 2], measure the Average Burst Power of the frequency found in (1) Antenna Power (W/MHz) = Average Burst Power (3) If the EUT has an 80+80MHz bandwidth system then antenna power shall be	

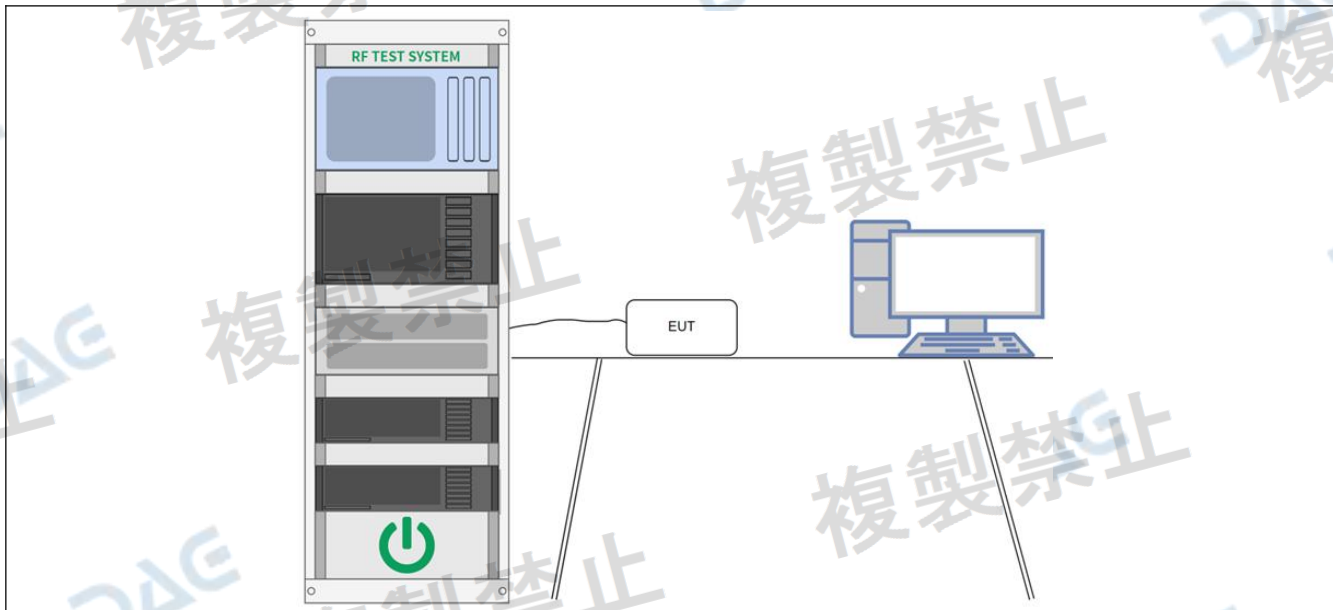
measured separately, on each channel, but with both 80MHz transmitters simultaneously enabled.

3.3.1 E.U.T. Operation:

Operating Environment:

Temperature:	23.6 °C	Humidity:	47 %	Atmospheric Pressure:	101.9 kPa
Pretest mode:	TM1				
Final test mode:	TM1				

3.3.2 Test Setup Diagram:

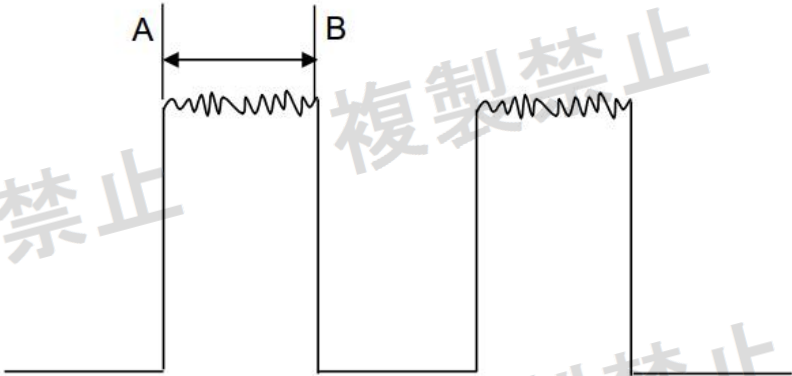


3.3.3 Test Data:

Please Refer to Appendix for Details.

3.4 E.I.R.P

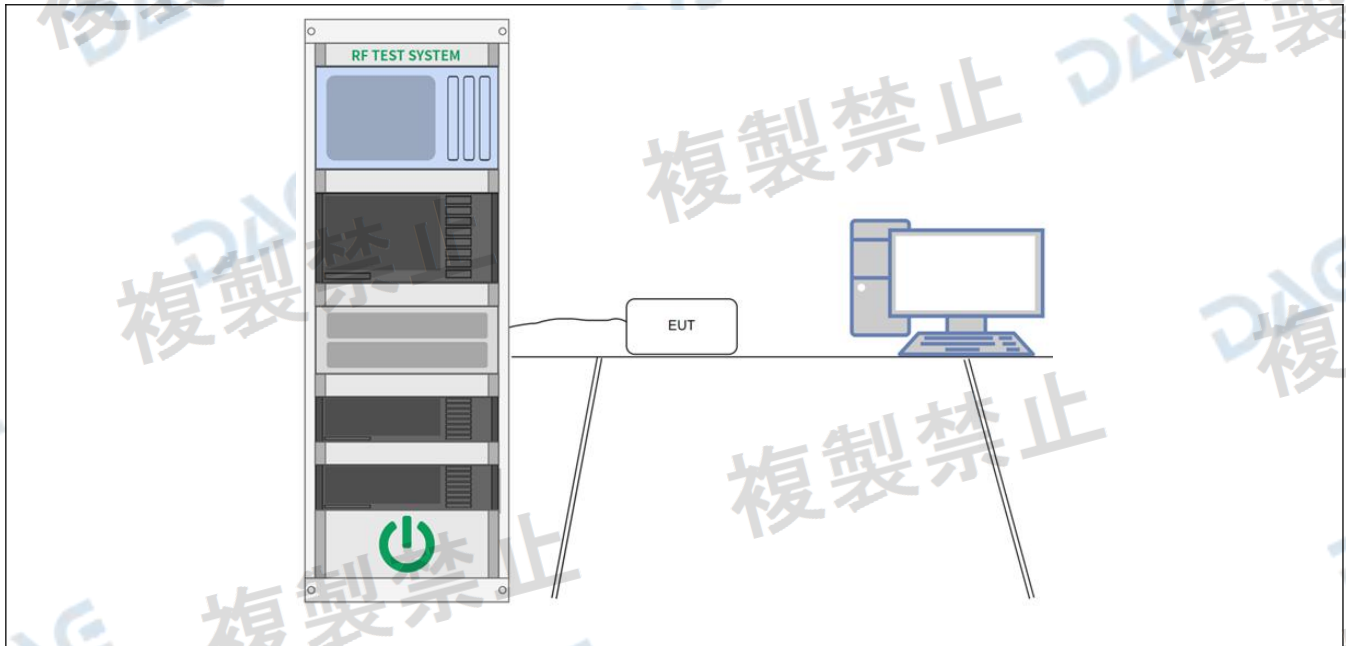
Test Requirement:	Article 2-1, Item 19-3	
Test Limit:	5150~5250MHz: 10mW/MHz for DSS and OFDM 20MHz; 5mW/MHz for OFDM 40MHz; 2.5mW/MHz for OFDM 80MHz; 1.25mW/MHz for OFDM 80+80MHz and 160MHz; 5250~5350MHz with TPC: 10mW/MHz for DSS and OFDM 20MHz; 5mW/MHz for OFDM 40MHz; 2.5mW/MHz for OFDM 80MHz; 1.25mW/MHz for OFDM 80+80MHz and 160MHz; 5250~5350MHz without TPC: 5mW/MHz for DSS and OFDM 20MHz; 2.5mW/MHz for OFDM 40MHz; 1.25mW/MHz for OFDM 80MHz; 0.625mW/MHz for OFDM 80+80MHz and 160MHz; 5470~5725MHz with TPC: 50mW/MHz for DSS and OFDM 20MHz; 25mW/MHz for OFDM 40MHz; 12.5mW/MHz for OFDM 80MHz; 1.25mW/MHz for OFDM 80+80MHz; 6.25mW/MHz for and 160MHz; 5250~5350MHz without TPC: 25mW/MHz for DSS and OFDM 20MHz; 12.5mW/MHz for OFDM 40MHz; 6.25mW/MHz for OFDM 80MHz; 0.625mW/MHz for OFDM 80+80MHz; 3.125mW/MHz for and 160MHz;	
Test Method:	[Setting 1] – Search for peak power frequency	
	Center Frequency:	Test frequency
	Span:	Approximately twice the occupied bandwidth
	RBW:	1MHz
	VBW:	Approximately three times the RBW
	Sweep time:	Auto
	Sweep data points:	1001 or greater
	Detector mode:	Positive peak
	Indication mode:	Max hold
	[Setting 2] – Measurement of average antenna power for FHSS, DSSS, OFDM	
	Frequency:	Frequency of peak power found using [Setting 1]
	Span:	0 Hz
	RBW:	3 MHz (FHSS in 7.4.1.1) 1MHz (DSSS, OFDM, FHSS in 7.4.1.2)
	Detector mode:	Sample
	Sweep:	Minimum time required to make an accurate measurement.
		For burst type (intermittent) transmission sweep time shall be greater than one burst interval
	Sweep data points:	1001 or greater
	[Setting 3] – Measurement of average antenna power other than for FHSS, DSSS, OFDM	
	Frequency:	Frequency of peak power found using [Setting 1]
	Span:	0 Hz
	RBW:	Bandwidth sufficient to cover that occupied by the carrier
	VBW:	Bandwidth sufficient to cover that occupied by the carrier
	Detector mode:	Sample
	Sweep:	Minimum time required to make an accurate measurement.
		For burst type (intermittent) transmission sweep time shall be

	greater than one burst interval
Sweep data points:	1001 or greater
Procedure:	- A hopping transmission separation of 1MHz or less with a constant transmission interval - The transmission probability is equal for all hopping frequencies Procedure: (1) After configuring the spectrum analyzer to [Setting 1], find the frequency of maximum transmitted power (2) After configuring the spectrum analyzer to [Setting 2], measure the Average Burst Power of the frequency found in (1) Note: Measure the period A-B in the figure below:  Measurement of Average Burst Power (A to B) (3) Calculate Antenna Power using the following formula: $\text{Antenna Power (W/MHz)} = \text{Average Burst Power (W)} / \text{Spread Bandwidth (MHz)}$ [Note] Spread Bandwidth in the formula above is derived from the data collected in section 5 (Occupied Bandwidth (99%)) (4) If the EUT has multiple antennas then each antenna power output shall be measured individually – the sum of these individual measurements shall represent the power output value (1) After configuring the spectrum analyzer to [Setting 1], find the frequency of maximum transmitted power (2) After configuring the spectrum analyzer to [Setting 2], measure the Average Burst Power of the frequency found in (1) $\text{Antenna Power (W/MHz)} = \text{Average Burst Power}$

3.4.1 E.U.T. Operation:

Operating Environment:					
Temperature:	23.6 °C	Humidity:	55 %	Atmospheric Pressure:	101.9 kPa
Pretest mode:	TM1				
Final test mode:	TM1				

3.4.2 Test Setup Diagram:



3.4.3 Test Data:

Please Refer to Appendix for Details.

3.5 Out of Band Emission

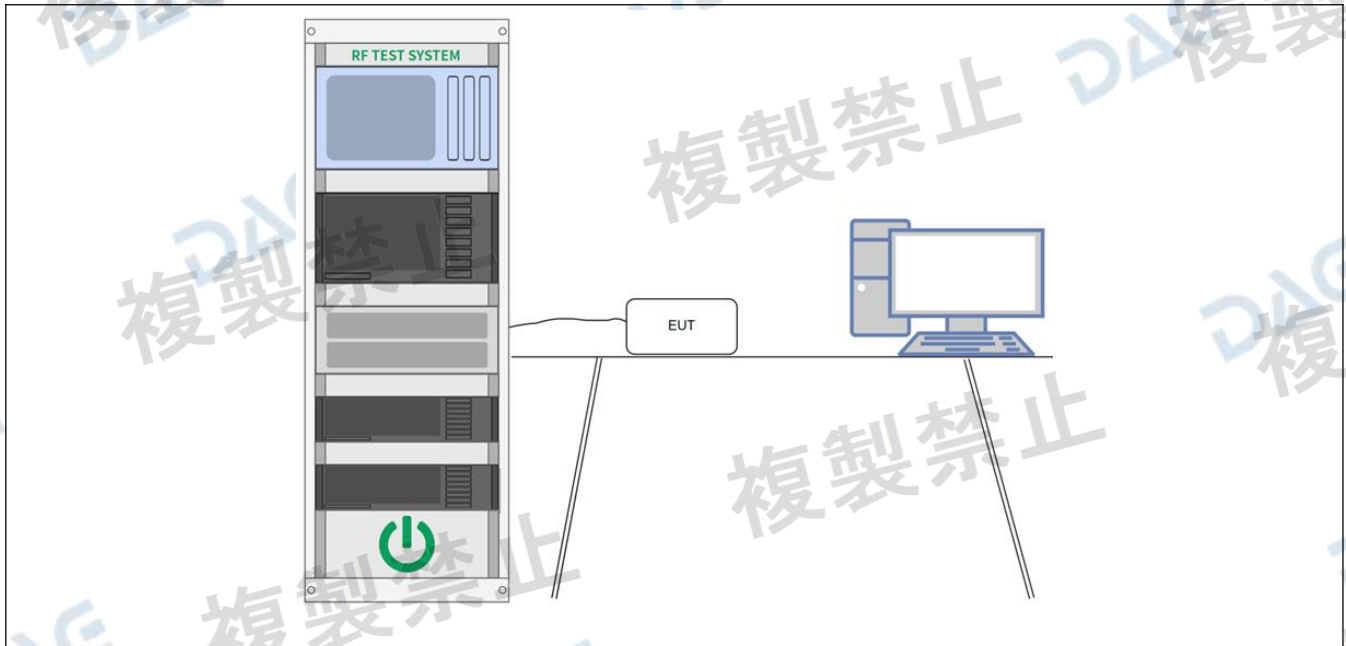
Test Requirement:	Article 2-1, Item 19-3																																																																																																																																																																																																		
Test Limit:	<table><tr><th colspan="2">20MHz system</th><th colspan="2">W52</th></tr><tr><th>OBW : 18MHz or less</th><th>OBW : 18 ~ 20 MHz</th><th>40MHz system</th><th>80MHz system</th></tr><tr><td>5.142 MHz or less : 2.5 μW/MHz</td><td>5.142 MHz or less : 2.5 μW/MHz</td><td>5.141.6 MHz or less : 2.5 μW/MHz</td><td>5.123.2 MHz or less : 2.5 μW/MHz</td></tr><tr><td>5.142 ~ 5.150 MHz : 15 μW/MHz</td><td>5.142 ~ 5.150 MHz : 15 μW/MHz</td><td>5.141.6 ~ 5.150 MHz : 15 μW/MHz</td><td>5.123.2 ~ 5.150 MHz : 15 μW/MHz</td></tr><tr><td>5.250 ~ 5.251 MHz : $10^{-12} \sim 10^{-11}$mW/MHz</td><td>5.250 ~ 5.251 MHz : $10^{-12} \sim 10^{-11}$mW/MHz</td><td>5.250 ~ 5.251 MHz : $10^{-12} \sim 10^{-11}$mW/MHz</td><td>5.250 ~ 5.251 MHz : $10^{-12} \sim 10^{-11}$mW/MHz</td></tr><tr><td>5.251 ~ 5.260 MHz : $10^{-11} \sim 10^{-10}$mW/MHz</td><td>5.251 ~ 5.260 MHz : $10^{-11} \sim 10^{-10}$mW/MHz</td><td>5.251 ~ 5.270 MHz : $10^{-10} \sim 10^{-9}$mW/MHz</td><td>5.251 ~ 5.260 MHz : $10^{-10} \sim 10^{-9}$mW/MHz</td></tr><tr><td>5.260 ~ 5.266.7 MHz : $10^{-10} \sim 10^{-9}$mW/MHz</td><td>5.260 ~ 5.266.7 MHz : $10^{-10} \sim 10^{-9}$mW/MHz</td><td>5.270 ~ 5.276.4 MHz : $10^{-10} \sim 10^{-9}$mW/MHz</td><td>5.290 ~ 5.296.7 MHz : $10^{-10} \sim 10^{-9}$mW/MHz</td></tr><tr><td>5.266.7 MHz or more : 2.5 μW/MHz</td><td>5.266.7 MHz or more : 2.5 μW/MHz</td><td>5.276.4 MHz or more : 2.5 μW/MHz</td><td>5.296.7 MHz or more : 2.5 μW/MHz</td></tr><tr><td>f = MHz, Difference from 5240 (MHz)</td><td>f = MHz, Difference from 5240 (MHz)</td><td>f = MHz, Difference from 5230 (MHz)</td><td>f = MHz, Difference from 5210 (MHz)</td></tr></table> <table><tr><th colspan="2">20MHz system</th><th colspan="2">W53</th></tr><tr><th>OBW : 18MHz or less</th><th>OBW : 18 ~ 20 MHz</th><th>40MHz system</th><th>80MHz system</th></tr><tr><td>5.233.3 MHz or less : 2.5 μW/MHz</td><td>5.233.3 MHz or less : 2.5 μW/MHz</td><td>5.221.6 MHz or less : 2.5 μW/MHz</td><td>5.203.3 MHz or less : 2.5 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Test Method:	<table><tr><td colspan="2">[Setting 1]</td></tr><tr><td>Frequency range:</td><td>Test frequency range as required</td></tr><tr><td>RBW:</td><td>1 MHz</td></tr><tr><td>VBW:</td><td>1 MHz</td></tr><tr><td>Sweep time:</td><td>Minimum time required to make an accurate measurement</td></tr><tr><td>Sweep Data Points:</td><td>1001 or greater</td></tr><tr><td>Detector mode:</td><td>Positive peak</td></tr><tr><td>Indication mode:</td><td>Max hold (see Note 1)</td></tr><tr><td>Note 1:</td><td>Sweep shall be repeated until the max hold waveform is stable.</td></tr></table> <table><tr><td colspan="2">[Setting 2]</td></tr><tr><td>Center frequency:</td><td>Frequency of spurious emission found using [Setting 1]</td></tr><tr><td>Span:</td><td>0 Hz</td></tr><tr><td>RBW:</td><td>1 MHz</td></tr><tr><td>VBW:</td><td>1 MHz</td></tr><tr><td>Sweep time:</td><td>Minimum time required to make an accurate measurement. For burst type (intermittent) spurious emissions, sweep time shall be greater than one burst interval</td></tr><tr><td>Sweep Data Points:</td><td>1001 or greater</td></tr></table>	[Setting 1]		Frequency range:	Test frequency range as required	RBW:	1 MHz	VBW:	1 MHz	Sweep time:	Minimum time required to make an accurate measurement	Sweep Data Points:	1001 or greater	Detector mode:	Positive peak	Indication mode:	Max hold (see Note 1)	Note 1:	Sweep shall be repeated until the max hold waveform is stable.	[Setting 2]		Center frequency:	Frequency of spurious emission found using [Setting 1]	Span:	0 Hz	RBW:	1 MHz	VBW:	1 MHz	Sweep time:	Minimum time required to make an accurate measurement. For burst type (intermittent) spurious emissions, sweep time shall be greater than one burst interval	Sweep Data Points:	1001 or greater																																																																																																																																																																		
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	Detector mode:	Sample
Procedure:	(1) After configuring the spectrum analyzer to [Setting 1], search for spurious emissions from 30 MHz to 12.5 GHz. If the sweep range does not cover the required measurement frequency range then the measurement range will need to be divided into sufficient sections of size [RBW x Sweep Data Points]. If spurious emissions greater than [Limit - 3dB] are found, then more detailed measurements are required, go to step (2) (2) Configure the spectrum analyzer using [Setting 2] and measure the average signal amplitude. If the spurious emission is burst type (intermittent), then the average value shall not include signal OFF time. (3) Calculate the spurious emission value (Calculated Value) using following the formula below: Calculated Value = (Measured Value using (3) + 15.2dB) Note: 15.2dB adjustment is derived from the Conversion Factor of RBW Conversion Factor of RBW = 10 x Log (Reference Bandwidth / RBW of measurement) = 15.2 [dB] Where: Reference Bandwidth = 1 MHz RBW of measurement = 30 kHz (4) If the calculated value using (4) is over the Limit (section 6.7), go to (6) (6) Configure the spectrum analyzer to [Setting 3] then make the following changes: Frequency: Frequency of spurious emission Span: 1 MHz (6) After sweep, send the span data set to the PC (7) Convert measured data from dBm to Watts (8) Sum all the data using the formula below. If the sum is within the limit, the test result is Pass, otherwise, Fail $P_s = \left(\sum_{i=1}^n E_i \right) \times \frac{S_w}{RBW \times k \times n}$ Ps: Sum (Watts) Ei: Measured value at each point in the Span (Watts) Sw: Span (1MHz) n: Number of measurement points in the Span k: Correction factor for Equivalent Noise Bandwidth, specific to each spectrum analyzer, check the instrument user guide RBW: Resolution Bandwidth (MHz). (9) If the EUT has multiple antennas, measure the spurious emission form each individual antenna using steps (1) through (9) (10) Convert the individual antenna spurious level measurements (step (10)) from dB to absolute values (11) Combine (sum) the absolute values of the spurious measurements at each frequency for each antenna (to create a single composite spectrum of spurious emissions) (12) Ensure that the composite spectrum does not exceed the Limit defined in 6.7 (Technical Standard) (13) Configuring the spectrum analyzer using [Setting 3] and measure the spurious emissions with all the antennas electrically combined	

3.5.1 E.U.T. Operation:

Operating Environment:					
Temperature:	22.9 °C	Humidity:	51 %	Atmospheric Pressure:	101.9 kPa
Pretest mode:	TM1				
Final test mode:	TM1				

3.5.2 Test Setup Diagram:



3.5.3 Test Data:

Please Refer to Appendix for Details.

3.6 Adjacent Channel Emitted Power

Test Requirement:	Article 2-1, Item 19-3
Test Limit:	For Bandwidth equal to 20MHz and 40MHz: $F_c \pm 20\text{MHz} : -25\text{dBc}$ $F_c \pm 40\text{MHz} : -40\text{dBc}$ For Bandwidth above 40MHz: $F_c \pm 80\text{MHz} : -25\text{dBc}$
Test Method:	Center Frequency: Test Frequency Span: (see Note1) RBW: 300kHz VBW: 300kHz Sweep time: Auto Sweep data points: 1001 or greater Detector mode: Sample (for Continuous Type) Positive peak (for Burst Type) Indication mode: Single sweep (for Continuous Type) Max hold (for Burst Type) Note1: 5.2GHz and 5.3GHz Band: $OBW \leq 18\text{MHz} : 18\text{MHz}$ $18\text{MHz} < OBW \leq 19\text{MHz} : 19\text{MHz}$ $19\text{MHz} < OBW \leq 38\text{MHz} : 38\text{MHz}$ $38\text{MHz} < OBW \leq 78\text{MHz} : 78\text{MHz}$ 5.6GHz Band: OFDM: $OBW \leq 19.7\text{MHz} : 19\text{MHz}$ $19.7\text{MHz} < OBW \leq 38\text{MHz} : 38\text{MHz}$ $38\text{MHz} < OBW \leq 78\text{MHz} : 78\text{MHz}$ Others: 18MHz
Procedure:	(1) Configure the spectrum analyzer to [Setting 1] and set the EUT to transmit mode (2) Measure the transmitter power (defined as P_C) using the procedure shown below: (a) Set the center of the span to the transmit frequency (b) After sweeping the entire span, send the span data set to the PC (c) Convert measured data from dBm to Watts (d) Sum all the data to derive the P_C (3) Measure the Upper Adjacent Channel Leakage Power (defined as P_U) using the procedure shown below. For measurement frequency, see Note2. (a) Set the center of the span to [Transmit Frequency + 20 MHz (or 40 MHz)] (b) Sweep the entire span, send the span data set to the PC (c) Convert measured data from dBm to Watts (d) Sum all the data to derive the P_U (e) After setting the center of the span to [Transmit Frequency + 40MHz (or 80 MHz)], repeat steps (b) through step (d) (4) Measure the Lower Adjacent Channel Leakage Power (defined as P_L) using the procedure shown below. For measurement frequency, see Note2. (a) Set the center of the span to [Transmit Frequency + 20 MHz (or 40 MHz)] (b) Sweep the entire span, send the span data set to the PC (c) Convert measured data from dBm to Watts (d) Sum all the data to derive the P_L (e) After setting the center of the span to [Transmit Frequency + 40MHz (or 80 MHz)], repeat steps (b) through step (d) (5) Derive all the Adjacent Channel Leakage Power Ratios using the formula shown below: - Upper Adjacent Channel Leakage Power Ratio = $10 \log (P_U / P_C)$ - Lower Adjacent Channel Leakage Power Ratio = $10 \log (P_L / P_C)$ (6) If the EUT has multiple antennas then the following steps shall be taken: (a) Repeat steps (1) through step (5) for each individual antenna

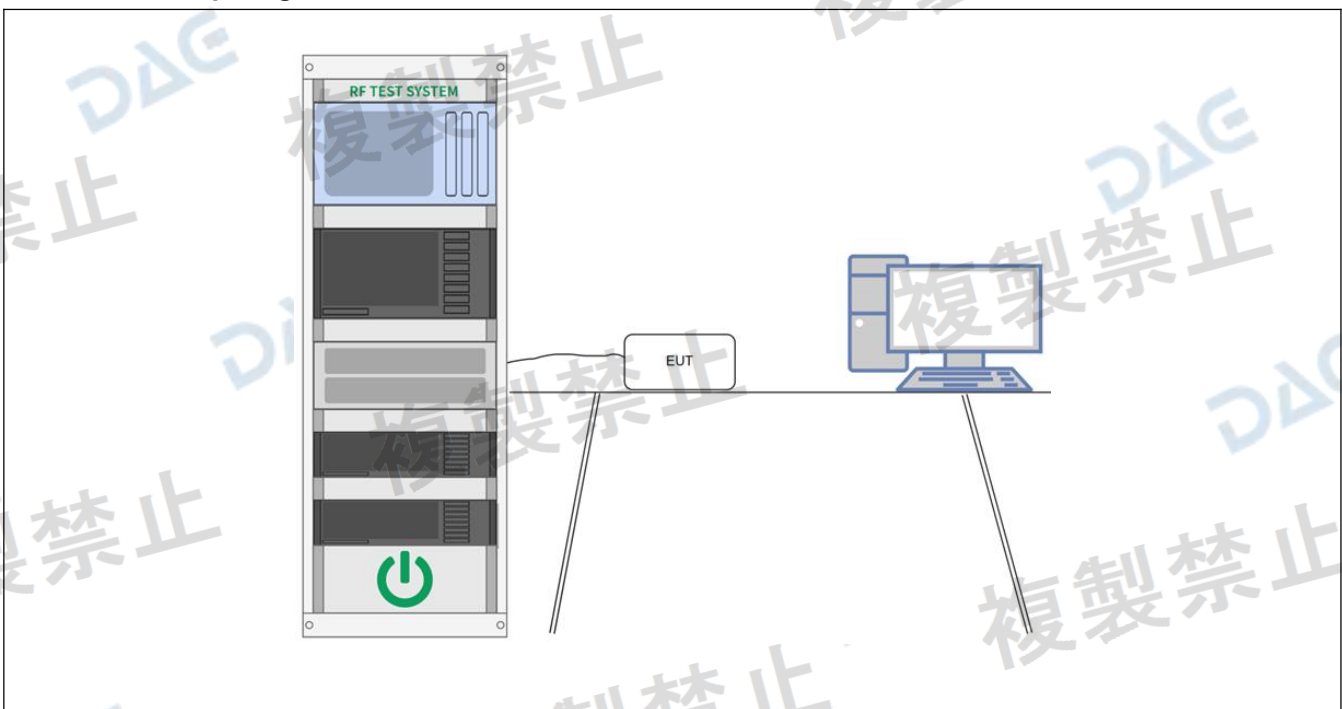
- (b) Repeat steps (1) through step (5) with all the antennas combined
(c) To derive the total P_C , sum the individual antenna P_C measurements from step (a)
(d) Derive the total P_U and total P_L using the same procedure as step (c)
(e) Calculate the Adjacent Channel Leakage Power Ratio using the total P_C , total P_U and total P_L using the formula in step (5)
(f) Note 2:
5.2 GHz and 5.3 GHz band:
OBW $\leq$ 18 MHz: Transmit frequency $\pm$ 20 MHz, $\pm$ 40 MHz
18MHz < OBW $\leq$ 19MHz: Transmit frequency $\pm$ 20 MHz, $\pm$ 40 MHz
19MHz < OBW $\leq$ 38MHz: Transmit frequency $\pm$ 40 MHz, $\pm$ 80 MHz
38MHz < OBW $\leq$ 78MHz: Transmit frequency $\pm$ 80 MHz
5.6GHz Band:
OFDM:
OBW $\leq$ 19.7MHz: Transmit frequency $\pm$ 20 MHz, $\pm$ 40 MHz
19.7MHz < OBW $\leq$ 38MHz: Transmit frequency $\pm$ 40 MHz, $\pm$ 80 MHz
38MHz < OBW $\leq$ 78MHz: Transmit frequency $\pm$ 80 MHz
Other than OFDM: Transmit frequency $\pm$ 20 MHz, $\pm$ 40 MHz

3.6.1 E.U.T. Operation:

Operating Environment:

Temperature:	22.1 °C	Humidity:	54 %	Atmospheric Pressure:	101.9 kPa
Pretest mode:	TM1				
Final test mode:	TM1				

3.6.2 Test Setup Diagram:



3.6.3 Test Data:

Please Refer to Appendix for Details.

3.7 Spurious Emission Intensity

Test Requirement:	Article 2-1, Item 19-3																																																																																																																																																																																												
Test Limit:	<table><tr><th colspan="2">20MHz system</th><th colspan="2">W52</th></tr><tr><th>OBW : 18MHz or less</th><th>OBW : 18 ~ 20 MHz</th><th>40MHz system</th><th>80MHz system</th></tr><tr><td>5.142 MHz or less : 2.5 μW/MHz</td><td>5.142 MHz or less : 2.5 μW/MHz</td><td>5.141.6 MHz or less : 2.5 μW/MHz</td><td>5.123.2 MHz or less : 2.5 μW/MHz</td></tr><tr><td>5.142 ~ 5.150 MHz : 15 μW/MHz</td><td>5.142 ~ 5.150 MHz : 15 μW/MHz</td><td>5.141.6 ~ 5.150 MHz : 15 μW/MHz</td><td>5.123.2 ~ 5.150 MHz : 15 μW/MHz</td></tr><tr><td>5.250 ~ 5.251 MHz : $10^{-1} \cdot 10^{(f-5.250)/10}$ mW/MHz</td><td>5.250 ~ 5.251 MHz : $10^{-1} \cdot 10^{(f-5.250)/10}$ mW/MHz</td><td>5.250 ~ 5.251 MHz : $10^{-1} \cdot 10^{(f-5.250)/10}$ mW/MHz</td><td>5.250 ~ 5.251 MHz : $10^{-1} \cdot 10^{(f-5.250)/10}$ mW/MHz</td></tr><tr><td>5.251 ~ 5.260 MHz : $10^{-1} \cdot 10^{(f-5.250)/10}$ mW/MHz</td><td>5.251 ~ 5.260 MHz : $10^{-1} \cdot 10^{(f-5.250)/10}$ mW/MHz</td><td>5.251 ~ 5.270 MHz : $10^{-1} \cdot 10^{(f-5.250)/10}$ mW/MHz</td><td>5.251 ~ 5.290 MHz : $10^{-1} \cdot 10^{(f-5.250)/10}$ mW/MHz</td></tr><tr><td>5.260 ~ 5.266.7 MHz : $10^{-1} \cdot 10^{(f-5.260)/10}$ mW/MHz</td><td>5.260 ~ 5.266.7 MHz : $10^{-1} \cdot 10^{(f-5.260)/10}$ mW/MHz</td><td>5.270 ~ 5.276.4 MHz : $10^{-1} \cdot 10^{(f-5.270)/10}$ mW/MHz</td><td>5.290 ~ 5.296.7 MHz : $10^{-1} \cdot 10^{(f-5.290)/10}$ mW/MHz</td></tr><tr><td>5.266.7 MHz or more : 2.5 μW/MHz</td><td>5.266.7 MHz or more : 2.5 μW/MHz</td><td>5.276.4 MHz or more : 2.5 μW/MHz</td><td>5.296.7 MHz or more : 2.5 μW/MHz</td></tr><tr><td>f = MHz, Difference from 5240 (kHz)</td><td>f = MHz, Difference from 5240 (kHz)</td><td>f = MHz, Difference from 5230 (kHz)</td><td>f = MHz, Difference from 5210 (kHz)</td></tr></table> <table><tr><th colspan="2">20MHz system</th><th colspan="2">W53</th></tr><tr><th>OBW : 18MHz or less</th><th>OBW : 18 ~ 20 MHz</th><th>40MHz system</th><th>80MHz system</th></tr><tr><td>5.233.3 MHz or less : 2.5 μW/MHz</td><td>5.233.3 MHz or less : 2.5 μW/MHz</td><td>5.221.6 MHz or less : 2.5 μW/MHz</td><td>5.203.3 MHz or less : 2.5 μW/MHz</td></tr><tr><td>5.233.3 ~ 5.240 MHz : $10^{-1} \cdot 10^{(f-5.233)/10}$ mW/MHz</td><td>5.233.3 ~ 5.240 MHz : $10^{-1} \cdot 10^{(f-5.233)/10}$ mW/MHz</td><td>5.221.6 ~ 5.230 MHz : $10^{-1} \cdot 10^{(f-5.221)/10}$ mW/MHz</td><td>5.203.3 ~ 5.210 MHz : $10^{-1} \cdot 10^{(f-5.203)/10}$ mW/MHz</td></tr><tr><td>5.240 ~ 5.249 MHz : $10^{-1} \cdot 10^{(f-5.240)/10}$ mW/MHz</td><td>5.240 ~ 5.249 MHz : $10^{-1} \cdot 10^{(f-5.240)/10}$ mW/MHz</td><td>5.230 ~ 5.249 MHz : $10^{-1} \cdot 10^{(f-5.230)/10}$ mW/MHz</td><td>5.210 ~ 5.249 MHz : $10^{-1} \cdot 10^{(f-5.210)/10}$ mW/MHz</td></tr><tr><td>5.249 ~ 5.250 MHz : $10^{-1} \cdot 10^{(f-5.249)/10}$ mW/MHz</td><td>5.249 ~ 5.250 MHz : $10^{-1} \cdot 10^{(f-5.249)/10}$ mW/MHz</td><td>5.249 ~ 5.250 MHz : $10^{-1} \cdot 10^{(f-5.249)/10}$ mW/MHz</td><td>5.249 ~ 5.250 MHz : $10^{-1} \cdot 10^{(f-5.249)/10}$ mW/MHz</td></tr><tr><td>5.350 MHz or more : 2.5 μW/MHz</td><td>5.249.8 ~ 5.250 MHz : $10^{-1} \cdot 10^{(f-5.249)/10}$ mW/MHz</td><td>5.350 ~ 5.358.4 MHz : 15 μW/MHz</td><td>5.350 ~ 5.376.8 MHz : 15 μW/MHz</td></tr><tr><td>f = MHz, Difference from 5200 (kHz)</td><td>f = MHz, Difference from 5200 (kHz)</td><td>f = MHz, Difference from 5270 (kHz)</td><td>f = MHz, Difference from 5290 (kHz)</td></tr></table> <table><tr><th colspan="2">20MHz system</th><th colspan="2">W56</th></tr><tr><th>DSSS, etc.</th><th>OFDM</th><th>40MHz system</th><th>80MHz system</th></tr><tr><td>5.470 MHz or less : 12.5 μW/MHz</td><td>5.460 MHz or less : 2.5 μW/MHz</td><td>5.460 MHz or less : 12.5 μW/MHz</td><td>5.460 MHz or less : 12.5 μW/MHz</td></tr><tr><td>5.730 MHz or more : 12.5 μW/MHz</td><td>5.460 ~ 5.470 MHz : 12.5 μW/MHz</td><td>5.460 ~ 5.470 MHz : 50 μW/MHz</td><td>5.460 ~ 5.469.5 MHz : 50 μW/MHz</td></tr><tr><td></td><td>5.745 ~ 5.765 MHz : 12.5 μW/MHz</td><td></td><td>5.469.5 ~ 5.470 MHz : 51.2 μW/MHz</td></tr><tr><td></td><td>Over 5.765 MHz : 2.5 μW/MHz</td><td>5.770 MHz or more : 12.5 μW/MHz</td><td>5.770 MHz or more : 12.5 μW/MHz</td></tr></table> <table><tr><th colspan="2">W52 + W53</th><th colspan="2">W56</th></tr><tr><th colspan="2">160MHz system</th><th colspan="2">5.63GHz & 5.69GHz</th></tr><tr><td>5.039.6 MHz or less : 2.5 μW/MHz</td><td>5.419.6 MHz or less : 12.5 μW/MHz</td><td colspan="2">5.63GHz & 5.69GHz</td></tr><tr><td>5.039.6 ~ 5.150 MHz : 15 μW/MHz</td><td>5.419.6 ~ 5.470 MHz : 50 μW/MHz</td><td colspan="2"></td></tr><tr><td>5.350 ~ 5.400.4 MHz : 15 μW/MHz</td><td>5.725 MHz or more : 12.5 μW/MHz</td><td colspan="2"></td></tr><tr><td>5.400.4 MHz or more : 2.5 μW/MHz</td><td></td><td colspan="2"></td></tr></table> <table><tr><th colspan="2">5.21GHz & (5.53GHz, 5.61GHz or 5.69GHz)</th><th colspan="2">5.29GHz & (5.53GHz, 5.61GHz or 5.69GHz)</th><th colspan="2">5.63GHz & 5.69GHz</th></tr><tr><th colspan="2">80MHz + 80MHz system (Not adjacent radio)</th><th colspan="2">80MHz + 80MHz system (Not adjacent radio)</th><th colspan="2">80MHz + 80MHz system (Not adjacent radio)</th></tr><tr><td>5.134.8 MHz or less : 2.5 μW/MHz</td><td>5.214.8 MHz or less : 2.5 μW/MHz</td><td>5.214.8 MHz or less : 2.5 μW/MHz</td><td>5.419.6 MHz or less : 12.5 μW/MHz</td><td>5.419.6 MHz or less : 12.5 μW/MHz</td><td>5.419.6 MHz or less : 12.5 μW/MHz</td></tr><tr><td>5.134.8 ~ 5.150 MHz : 162.5 μW/MHz</td><td>5.214.8 ~ 5.240 MHz : $10^{-1} \cdot 10^{(f-5.214)/10}$ mW/MHz</td><td>5.214.8 ~ 5.240 MHz : $10^{-1} \cdot 10^{(f-5.214)/10}$ mW/MHz</td><td>5.419.6 ~ 5.470 MHz : 50 μW/MHz</td><td>5.419.6 ~ 5.470 MHz : 50 μW/MHz</td><td>5.419.6 ~ 5.470 MHz : 50 μW/MHz</td></tr><tr><td>5.250 ~ 5.251 MHz : $10^{-1} \cdot 10^{(f-5.250)/10}$ mW/MHz</td><td>5.249 ~ 5.250 MHz : $10^{-1} \cdot 10^{(f-5.249)/10}$ mW/MHz</td><td>5.249 ~ 5.250 MHz : $10^{-1} \cdot 10^{(f-5.249)/10}$ mW/MHz</td><td>5.770 MHz or more : 15 μW/MHz</td><td>5.770 MHz or more : 15 μW/MHz</td><td>5.770 MHz or more : 15 μW/MHz</td></tr><tr><td>5.251 ~ 5.265.2 MHz : $10^{-1} \cdot 10^{(f-5.250)/10}$ mW/MHz</td><td>5.350 ~ 5.365.2 MHz : 15 μW/MHz</td><td>5.350 ~ 5.365.2 MHz : 15 μW/MHz</td><td></td><td></td><td></td></tr><tr><td>5.265.2 ~ 5.370 MHz : 2.5 μW/MHz</td><td>5.365.2 ~ 5.410 MHz : 2.5 μW/MHz</td><td>5.365.2 ~ 5.410 MHz : 2.5 μW/MHz</td><td></td><td></td><td></td></tr><tr><td>2.5 μW/MHz (When used simultaneously with a 5.2GHz band high-power radio station : 12.5 μW/MHz)</td><td>5.410 ~ 5.454.8 MHz : 2.5 μW/MHz</td><td>5.410 ~ 5.454.8 MHz : 2.5 μW/MHz</td><td></td><td></td><td></td></tr><tr><td>5.454.8 ~ 5.470 MHz with a 5.2GHz band high-power radio station : 50 μW/MHz</td><td>5.454.8 ~ 5.470 MHz : 15 μW/MHz</td><td>5.454.8 ~ 5.470 MHz : 15 μW/MHz</td><td></td><td></td><td></td></tr><tr><td>5.730 MHz or more : 15 μW/MHz</td><td>5.730 MHz or more : 15 μW/MHz</td><td>5.730 MHz or more : 15 μW/MHz</td><td></td><td></td><td></td></tr><tr><td>5.770 MHz or more : 15 μW/MHz</td><td>5.770 MHz or more : 15 μW/MHz</td><td>5.770 MHz or more : 15 μW/MHz</td><td></td><td></td><td></td></tr><tr><td>f = MHz, Difference from 5210 (kHz)</td><td>f = MHz, Difference from 5200 (kHz)</td><td>f = MHz, Difference from 5200 (kHz)</td><td></td><td></td><td></td></tr></table> * A rated value is defined by the E.I.R.P. * Measurement range: 30MHz to 26GHz	20MHz system		W52		OBW : 18MHz or less	OBW : 18 ~ 20 MHz	40MHz system	80MHz system	5.142 MHz or less : 2.5 μW/MHz	5.142 MHz or less : 2.5 μW/MHz	5.141.6 MHz or less : 2.5 μW/MHz	5.123.2 MHz or less : 2.5 μW/MHz	5.142 ~ 5.150 MHz : 15 μW/MHz	5.142 ~ 5.150 MHz : 15 μW/MHz	5.141.6 ~ 5.150 MHz : 15 μW/MHz	5.123.2 ~ 5.150 MHz : 15 μW/MHz	5.250 ~ 5.251 MHz : $10^{-1} \cdot 10^{(f-5.250)/10}$ mW/MHz	5.250 ~ 5.251 MHz : $10^{-1} \cdot 10^{(f-5.250)/10}$ mW/MHz	5.250 ~ 5.251 MHz : $10^{-1} \cdot 10^{(f-5.250)/10}$ mW/MHz	5.250 ~ 5.251 MHz : $10^{-1} \cdot 10^{(f-5.250)/10}$ mW/MHz	5.251 ~ 5.260 MHz : $10^{-1} \cdot 10^{(f-5.250)/10}$ mW/MHz	5.251 ~ 5.260 MHz : $10^{-1} \cdot 10^{(f-5.250)/10}$ mW/MHz	5.251 ~ 5.270 MHz : $10^{-1} \cdot 10^{(f-5.250)/10}$ mW/MHz	5.251 ~ 5.290 MHz : $10^{-1} \cdot 10^{(f-5.250)/10}$ mW/MHz	5.260 ~ 5.266.7 MHz : $10^{-1} \cdot 10^{(f-5.260)/10}$ mW/MHz	5.260 ~ 5.266.7 MHz : $10^{-1} \cdot 10^{(f-5.260)/10}$ mW/MHz	5.270 ~ 5.276.4 MHz : $10^{-1} \cdot 10^{(f-5.270)/10}$ mW/MHz	5.290 ~ 5.296.7 MHz : $10^{-1} \cdot 10^{(f-5.290)/10}$ mW/MHz	5.266.7 MHz or more : 2.5 μW/MHz	5.266.7 MHz or more : 2.5 μW/MHz	5.276.4 MHz or more : 2.5 μW/MHz	5.296.7 MHz or more : 2.5 μW/MHz	f = MHz, Difference from 5240 (kHz)	f = MHz, Difference from 5240 (kHz)	f = MHz, Difference from 5230 (kHz)	f = MHz, Difference from 5210 (kHz)	20MHz system		W53		OBW : 18MHz or less	OBW : 18 ~ 20 MHz	40MHz system	80MHz system	5.233.3 MHz or less : 2.5 μW/MHz	5.233.3 MHz or less : 2.5 μW/MHz	5.221.6 MHz or less : 2.5 μW/MHz	5.203.3 MHz or less : 2.5 μW/MHz	5.233.3 ~ 5.240 MHz : $10^{-1} \cdot 10^{(f-5.233)/10}$ mW/MHz	5.233.3 ~ 5.240 MHz : $10^{-1} \cdot 10^{(f-5.233)/10}$ mW/MHz	5.221.6 ~ 5.230 MHz : $10^{-1} \cdot 10^{(f-5.221)/10}$ mW/MHz	5.203.3 ~ 5.210 MHz : $10^{-1} \cdot 10^{(f-5.203)/10}$ mW/MHz	5.240 ~ 5.249 MHz : $10^{-1} \cdot 10^{(f-5.240)/10}$ mW/MHz	5.240 ~ 5.249 MHz : $10^{-1} \cdot 10^{(f-5.240)/10}$ mW/MHz	5.230 ~ 5.249 MHz : $10^{-1} \cdot 10^{(f-5.230)/10}$ mW/MHz	5.210 ~ 5.249 MHz : $10^{-1} \cdot 10^{(f-5.210)/10}$ mW/MHz	5.249 ~ 5.250 MHz : $10^{-1} \cdot 10^{(f-5.249)/10}$ mW/MHz	5.249 ~ 5.250 MHz : $10^{-1} \cdot 10^{(f-5.249)/10}$ mW/MHz	5.249 ~ 5.250 MHz : $10^{-1} \cdot 10^{(f-5.249)/10}$ mW/MHz	5.249 ~ 5.250 MHz : $10^{-1} \cdot 10^{(f-5.249)/10}$ mW/MHz	5.350 MHz or more : 2.5 μW/MHz	5.249.8 ~ 5.250 MHz : $10^{-1} \cdot 10^{(f-5.249)/10}$ mW/MHz	5.350 ~ 5.358.4 MHz : 15 μW/MHz	5.350 ~ 5.376.8 MHz : 15 μW/MHz	f = MHz, Difference from 5200 (kHz)	f = MHz, Difference from 5200 (kHz)	f = MHz, Difference from 5270 (kHz)	f = MHz, Difference from 5290 (kHz)	20MHz system		W56		DSSS, etc.	OFDM	40MHz system	80MHz system	5.470 MHz or less : 12.5 μW/MHz	5.460 MHz or less : 2.5 μW/MHz	5.460 MHz or less : 12.5 μW/MHz	5.460 MHz or less : 12.5 μW/MHz	5.730 MHz or more : 12.5 μW/MHz	5.460 ~ 5.470 MHz : 12.5 μW/MHz	5.460 ~ 5.470 MHz : 50 μW/MHz	5.460 ~ 5.469.5 MHz : 50 μW/MHz		5.745 ~ 5.765 MHz : 12.5 μW/MHz		5.469.5 ~ 5.470 MHz : 51.2 μW/MHz		Over 5.765 MHz : 2.5 μW/MHz	5.770 MHz or more : 12.5 μW/MHz	5.770 MHz or more : 12.5 μW/MHz	W52 + W53		W56		160MHz system		5.63GHz & 5.69GHz		5.039.6 MHz or less : 2.5 μW/MHz	5.419.6 MHz or less : 12.5 μW/MHz	5.63GHz & 5.69GHz		5.039.6 ~ 5.150 MHz : 15 μW/MHz	5.419.6 ~ 5.470 MHz : 50 μW/MHz			5.350 ~ 5.400.4 MHz : 15 μW/MHz	5.725 MHz or more : 12.5 μW/MHz			5.400.4 MHz or more : 2.5 μW/MHz				5.21GHz & (5.53GHz, 5.61GHz or 5.69GHz)		5.29GHz & (5.53GHz, 5.61GHz or 5.69GHz)		5.63GHz & 5.69GHz		80MHz + 80MHz system (Not adjacent radio)		80MHz + 80MHz system (Not adjacent radio)		80MHz + 80MHz system (Not adjacent radio)		5.134.8 MHz or less : 2.5 μW/MHz	5.214.8 MHz or less : 2.5 μW/MHz	5.214.8 MHz or less : 2.5 μW/MHz	5.419.6 MHz or less : 12.5 μW/MHz	5.419.6 MHz or less : 12.5 μW/MHz	5.419.6 MHz or less : 12.5 μW/MHz	5.134.8 ~ 5.150 MHz : 162.5 μW/MHz	5.214.8 ~ 5.240 MHz : $10^{-1} \cdot 10^{(f-5.214)/10}$ mW/MHz	5.214.8 ~ 5.240 MHz : $10^{-1} \cdot 10^{(f-5.214)/10}$ mW/MHz	5.419.6 ~ 5.470 MHz : 50 μW/MHz	5.419.6 ~ 5.470 MHz : 50 μW/MHz	5.419.6 ~ 5.470 MHz : 50 μW/MHz	5.250 ~ 5.251 MHz : $10^{-1} \cdot 10^{(f-5.250)/10}$ mW/MHz	5.249 ~ 5.250 MHz : $10^{-1} \cdot 10^{(f-5.249)/10}$ mW/MHz	5.249 ~ 5.250 MHz : $10^{-1} \cdot 10^{(f-5.249)/10}$ mW/MHz	5.770 MHz or more : 15 μW/MHz	5.770 MHz or more : 15 μW/MHz	5.770 MHz or more : 15 μW/MHz	5.251 ~ 5.265.2 MHz : $10^{-1} \cdot 10^{(f-5.250)/10}$ mW/MHz	5.350 ~ 5.365.2 MHz : 15 μW/MHz	5.350 ~ 5.365.2 MHz : 15 μW/MHz				5.265.2 ~ 5.370 MHz : 2.5 μW/MHz	5.365.2 ~ 5.410 MHz : 2.5 μW/MHz	5.365.2 ~ 5.410 MHz : 2.5 μW/MHz				2.5 μW/MHz (When used simultaneously with a 5.2GHz band high-power radio station : 12.5 μW/MHz)	5.410 ~ 5.454.8 MHz : 2.5 μW/MHz	5.410 ~ 5.454.8 MHz : 2.5 μW/MHz				5.454.8 ~ 5.470 MHz with a 5.2GHz band high-power radio station : 50 μW/MHz	5.454.8 ~ 5.470 MHz : 15 μW/MHz	5.454.8 ~ 5.470 MHz : 15 μW/MHz				5.730 MHz or more : 15 μW/MHz	5.730 MHz or more : 15 μW/MHz	5.730 MHz or more : 15 μW/MHz				5.770 MHz or more : 15 μW/MHz	5.770 MHz or more : 15 μW/MHz	5.770 MHz or more : 15 μW/MHz				f = MHz, Difference from 5210 (kHz)	f = MHz, Difference from 5200 (kHz)	f = MHz, Difference from 5200 (kHz)			
20MHz system		W52																																																																																																																																																																																											
OBW : 18MHz or less	OBW : 18 ~ 20 MHz	40MHz system	80MHz system																																																																																																																																																																																										
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5.251 ~ 5.260 MHz : $10^{-1} \cdot 10^{(f-5.250)/10}$ mW/MHz	5.251 ~ 5.260 MHz : $10^{-1} \cdot 10^{(f-5.250)/10}$ mW/MHz	5.251 ~ 5.270 MHz : $10^{-1} \cdot 10^{(f-5.250)/10}$ mW/MHz	5.251 ~ 5.290 MHz : $10^{-1} \cdot 10^{(f-5.250)/10}$ mW/MHz																																																																																																																																																																																										
5.260 ~ 5.266.7 MHz : $10^{-1} \cdot 10^{(f-5.260)/10}$ mW/MHz	5.260 ~ 5.266.7 MHz : $10^{-1} \cdot 10^{(f-5.260)/10}$ mW/MHz	5.270 ~ 5.276.4 MHz : $10^{-1} \cdot 10^{(f-5.270)/10}$ mW/MHz	5.290 ~ 5.296.7 MHz : $10^{-1} \cdot 10^{(f-5.290)/10}$ mW/MHz																																																																																																																																																																																										
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20MHz system		W53																																																																																																																																																																																											
OBW : 18MHz or less	OBW : 18 ~ 20 MHz	40MHz system	80MHz system																																																																																																																																																																																										
5.233.3 MHz or less : 2.5 μW/MHz	5.233.3 MHz or less : 2.5 μW/MHz	5.221.6 MHz or less : 2.5 μW/MHz	5.203.3 MHz or less : 2.5 μW/MHz																																																																																																																																																																																										
5.233.3 ~ 5.240 MHz : $10^{-1} \cdot 10^{(f-5.233)/10}$ mW/MHz	5.233.3 ~ 5.240 MHz : $10^{-1} \cdot 10^{(f-5.233)/10}$ mW/MHz	5.221.6 ~ 5.230 MHz : $10^{-1} \cdot 10^{(f-5.221)/10}$ mW/MHz	5.203.3 ~ 5.210 MHz : $10^{-1} \cdot 10^{(f-5.203)/10}$ mW/MHz																																																																																																																																																																																										
5.240 ~ 5.249 MHz : $10^{-1} \cdot 10^{(f-5.240)/10}$ mW/MHz	5.240 ~ 5.249 MHz : $10^{-1} \cdot 10^{(f-5.240)/10}$ mW/MHz	5.230 ~ 5.249 MHz : $10^{-1} \cdot 10^{(f-5.230)/10}$ mW/MHz	5.210 ~ 5.249 MHz : $10^{-1} \cdot 10^{(f-5.210)/10}$ mW/MHz																																																																																																																																																																																										
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5.350 MHz or more : 2.5 μW/MHz	5.249.8 ~ 5.250 MHz : $10^{-1} \cdot 10^{(f-5.249)/10}$ mW/MHz	5.350 ~ 5.358.4 MHz : 15 μW/MHz	5.350 ~ 5.376.8 MHz : 15 μW/MHz																																																																																																																																																																																										
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20MHz system		W56																																																																																																																																																																																											
DSSS, etc.	OFDM	40MHz system	80MHz system																																																																																																																																																																																										
5.470 MHz or less : 12.5 μW/MHz	5.460 MHz or less : 2.5 μW/MHz	5.460 MHz or less : 12.5 μW/MHz	5.460 MHz or less : 12.5 μW/MHz																																																																																																																																																																																										
5.730 MHz or more : 12.5 μW/MHz	5.460 ~ 5.470 MHz : 12.5 μW/MHz	5.460 ~ 5.470 MHz : 50 μW/MHz	5.460 ~ 5.469.5 MHz : 50 μW/MHz																																																																																																																																																																																										
	5.745 ~ 5.765 MHz : 12.5 μW/MHz		5.469.5 ~ 5.470 MHz : 51.2 μW/MHz																																																																																																																																																																																										
	Over 5.765 MHz : 2.5 μW/MHz	5.770 MHz or more : 12.5 μW/MHz	5.770 MHz or more : 12.5 μW/MHz																																																																																																																																																																																										
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5.039.6 MHz or less : 2.5 μW/MHz	5.419.6 MHz or less : 12.5 μW/MHz	5.63GHz & 5.69GHz																																																																																																																																																																																											
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5.21GHz & (5.53GHz, 5.61GHz or 5.69GHz)		5.29GHz & (5.53GHz, 5.61GHz or 5.69GHz)		5.63GHz & 5.69GHz																																																																																																																																																																																									
80MHz + 80MHz system (Not adjacent radio)		80MHz + 80MHz system (Not adjacent radio)		80MHz + 80MHz system (Not adjacent radio)																																																																																																																																																																																									
5.134.8 MHz or less : 2.5 μW/MHz	5.214.8 MHz or less : 2.5 μW/MHz	5.214.8 MHz or less : 2.5 μW/MHz	5.419.6 MHz or less : 12.5 μW/MHz	5.419.6 MHz or less : 12.5 μW/MHz	5.419.6 MHz or less : 12.5 μW/MHz																																																																																																																																																																																								
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5.250 ~ 5.251 MHz : $10^{-1} \cdot 10^{(f-5.250)/10}$ mW/MHz	5.249 ~ 5.250 MHz : $10^{-1} \cdot 10^{(f-5.249)/10}$ mW/MHz	5.249 ~ 5.250 MHz : $10^{-1} \cdot 10^{(f-5.249)/10}$ mW/MHz	5.770 MHz or more : 15 μW/MHz	5.770 MHz or more : 15 μW/MHz	5.770 MHz or more : 15 μW/MHz																																																																																																																																																																																								
5.251 ~ 5.265.2 MHz : $10^{-1} \cdot 10^{(f-5.250)/10}$ mW/MHz	5.350 ~ 5.365.2 MHz : 15 μW/MHz	5.350 ~ 5.365.2 MHz : 15 μW/MHz																																																																																																																																																																																											
5.265.2 ~ 5.370 MHz : 2.5 μW/MHz	5.365.2 ~ 5.410 MHz : 2.5 μW/MHz	5.365.2 ~ 5.410 MHz : 2.5 μW/MHz																																																																																																																																																																																											
2.5 μW/MHz (When used simultaneously with a 5.2GHz band high-power radio station : 12.5 μW/MHz)	5.410 ~ 5.454.8 MHz : 2.5 μW/MHz	5.410 ~ 5.454.8 MHz : 2.5 μW/MHz																																																																																																																																																																																											
5.454.8 ~ 5.470 MHz with a 5.2GHz band high-power radio station : 50 μW/MHz	5.454.8 ~ 5.470 MHz : 15 μW/MHz	5.454.8 ~ 5.470 MHz : 15 μW/MHz																																																																																																																																																																																											
5.730 MHz or more : 15 μW/MHz	5.730 MHz or more : 15 μW/MHz	5.730 MHz or more : 15 μW/MHz																																																																																																																																																																																											
5.770 MHz or more : 15 μW/MHz	5.770 MHz or more : 15 μW/MHz	5.770 MHz or more : 15 μW/MHz																																																																																																																																																																																											
f = MHz, Difference from 5210 (kHz)	f = MHz, Difference from 5200 (kHz)	f = MHz, Difference from 5200 (kHz)																																																																																																																																																																																											
Test Method:	[Setting 1] <table><tr><td>Frequency range:</td><td>Test frequency range as required</td></tr><tr><td>RBW:</td><td>1 MHz</td></tr><tr><td>VBW:</td><td>1 MHz</td></tr><tr><td>Sweep time:</td><td>Minimum time required to make an accurate measurement</td></tr><tr><td>Sweep Data Points:</td><td>1001 or greater</td></tr><tr><td>Detector mode:</td><td>Positive peak</td></tr><tr><td>Indication mode:</td><td>Max hold (see Note 1)</td></tr><tr><td>Note 1:</td><td>Sweep shall be repeated until the max hold waveform is stable.</td></tr></table> [Setting 2] <table><tr><td>Center frequency:</td><td>Frequency of spurious emission found using [Setting 1]</td></tr><tr><td>Span:</td><td>0 Hz</td></tr><tr><td>RBW:</td><td>1 MHz</td></tr><tr><td>VBW:</td><td>1 MHz</td></tr><tr><td>Sweep time:</td><td>Minimum time required to make an accurate measurement. For burst type (intermittent) spurious emissions, sweep time shall be greater than one burst interval</td></tr><tr><td>Sweep Data Points:</td><td>1001 or greater</td></tr></table>	Frequency range:	Test frequency range as required	RBW:	1 MHz	VBW:	1 MHz	Sweep time:	Minimum time required to make an accurate measurement	Sweep Data Points:	1001 or greater	Detector mode:	Positive peak	Indication mode:	Max hold (see Note 1)	Note 1:	Sweep shall be repeated until the max hold waveform is stable.	Center frequency:	Frequency of spurious emission found using [Setting 1]	Span:	0 Hz	RBW:	1 MHz	VBW:	1 MHz	Sweep time:	Minimum time required to make an accurate measurement. For burst type (intermittent) spurious emissions, sweep time shall be greater than one burst interval	Sweep Data Points:	1001 or greater																																																																																																																																																																
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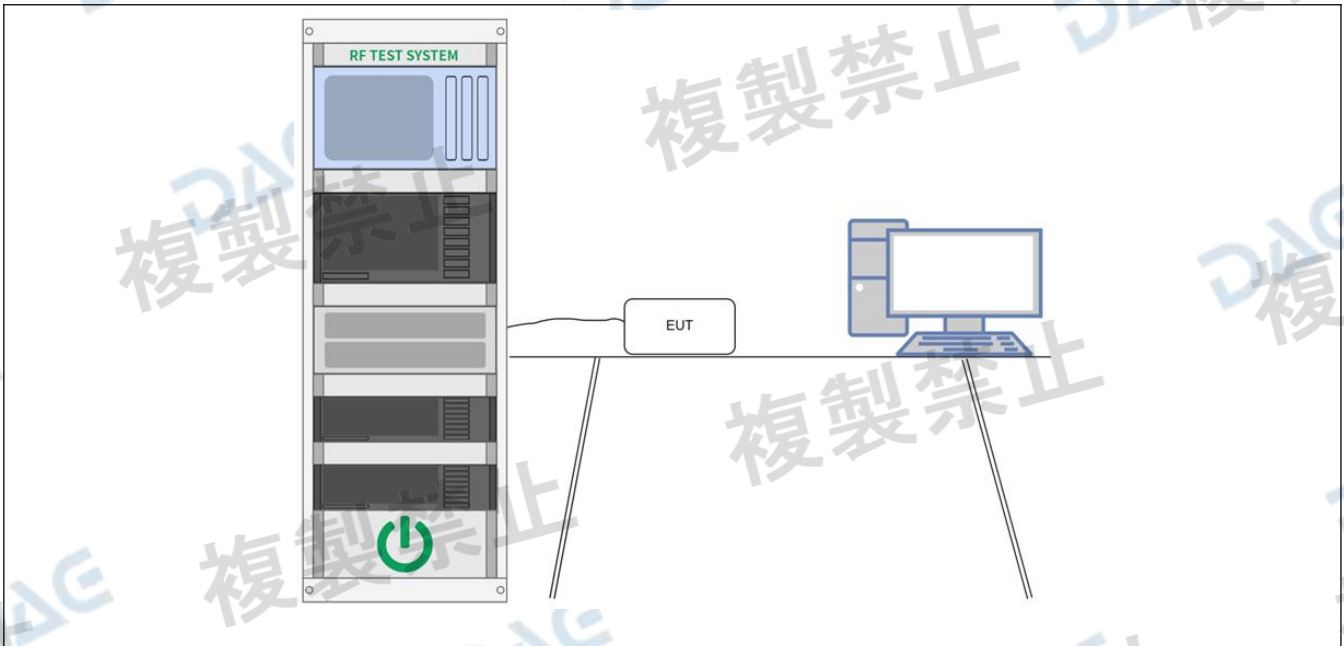
	Detector mode:	Sample
Procedure:	(1) After configuring the spectrum analyzer to [Setting 1], search for spurious emissions from 30 MHz to 12.5 GHz. If the sweep range does not cover the required measurement frequency range then the measurement range will need to be divided into sufficient sections of size [RBW x Sweep Data Points]. If spurious emissions greater than [Limit - 3dB] are found, then more detailed measurements are required, go to step (2) (2) Configure the spectrum analyzer using [Setting 2] and measure the average signal amplitude. If the spurious emission is burst type (intermittent), then the average value shall not include signal OFF time. (3) Calculate the spurious emission value (Calculated Value) using following the formula below: Calculated Value = (Measured Value using (3) + 15.2dB) Note: 15.2dB adjustment is derived from the Conversion Factor of RBW Conversion Factor of RBW = 10 x Log (Reference Bandwidth / RBW of measurement) = 15.2 [dB] Where: Reference Bandwidth = 1 MHz RBW of measurement = 30 kHz (4) If the calculated value using (4) is over the Limit (section 6.7), go to (6) (6) Configure the spectrum analyzer to [Setting 3] then make the following changes: Frequency: Frequency of spurious emission Span: 1 MHz (6) After sweep, send the span data set to the PC (7) Convert measured data from dBm to Watts (8) Sum all the data using the formula below. If the sum is within the limit, the test result is Pass, otherwise, Fail $P_s = \left(\sum_{i=1}^n E_i \right) \times \frac{S_w}{RBW \times k \times n}$ Ps: Sum (Watts) Ei: Measured value at each point in the Span (Watts) Sw: Span (1MHz) n: Number of measurement points in the Span k: Correction factor for Equivalent Noise Bandwidth, specific to each spectrum analyzer, check the instrument user guide RBW: Resolution Bandwidth (MHz). (9) If the EUT has multiple antennas, measure the spurious emission form each individual antenna using steps (1) through (9) (10) Convert the individual antenna spurious level measurements (step (10)) from dB to absolute values (11) Combine (sum) the absolute values of the spurious measurements at each frequency for each antenna (to create a single composite spectrum of spurious emissions) (12) Ensure that the composite spectrum does not exceed the Limit defined in 6.7 (Technical Standard) (13) Configuring the spectrum analyzer using [Setting 3] and measure the spurious emissions with all the antennas electrically combined	

3.7.1 E.U.T. Operation:

Operating Environment:					
Temperature:	22.1 °C	Humidity:	49 %	Atmospheric Pressure:	101.9 kPa
Pretest mode:	TM1				

Final test mode:	TM1
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3.7.2 Test Setup Diagram:



3.7.3 Test Data:

Please Refer to Appendix for Details.

3.8 Secondary Radiated Emissions

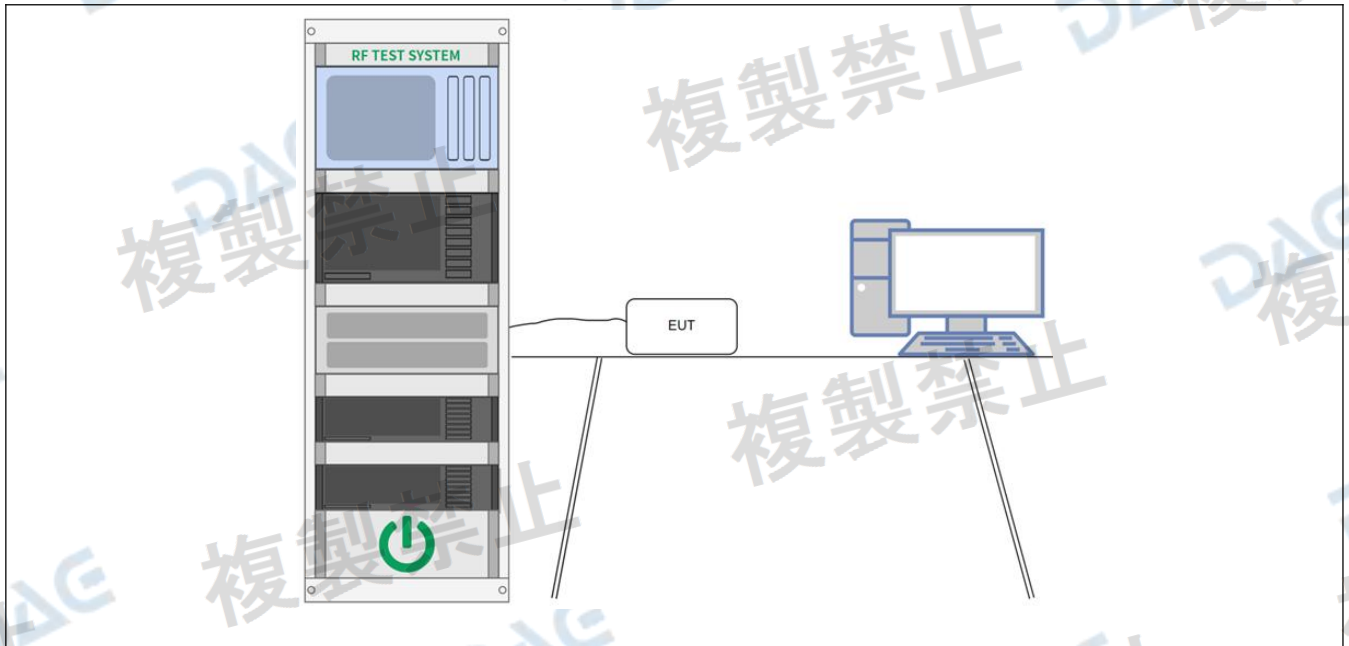
Test Requirement:	Article 2-1, Item 19-3		
Test Limit:	(1) Below 1 GHz: 4 nW (-54dBm) or less (2) Above 1 GHz: 20 nW (-47dBm) or less		
Test Method:	[Setting 1]		
	Frequency range:	30 MHz ~ 12.5 GHz	
	RBW:	Below 1 GHz:100 kHz Above 1 GHz:1 MHz	
	VBW:	Below 1 GHz:100 kHz Above 1 GHz:1 MHz	
	Sweep time:	Auto	
	Sweep data points:	1001 or greater	
	Detector mode:	Positive peak	
	Indication mode:	Max hold	
	[Setting 2]		
	Center Frequency:	Frequency of spurious emission found using [Setting 1]	
	Span:	0 Hz	
	RBW:	Below 1 GHz:100 kHz Above 1 GHz:1 MHz	
	VBW:	Below 1 GHz:100 kHz Above 1 GHz:1 MHz	
	Sweep time:	Auto	
	Sweep data points:	1001 or greater	
	Detector mode:	Sample	
	Procedure:	(1) Configure the spectrum analyzer to [Setting 1] and then search for spurious emissions in the range 30 MHz to 12.5GHz. If the sweep range does not cover the required measurement frequency range then the measurement range will need to be divided into sufficient sections of size [RBW x Sweep Data Points]. (2) If spurious emissions are found with an amplitude greater than [Limit - 10dB] then perform further detailed measurements as described in (3) (3) Configure the spectrum analyzer using [Setting 2] and measure the average signal amplitude. If the spurious emission is burst type (intermittent), then the average value shall not include signal OFF time Multiple Antenna Systems If the EUT has multiple antennas then emissions from each antenna shall be measured individually, as described below (4) For each antenna repeat steps (1) through (3). Convert all spurious level measurements from dB to absolute value (5) Combine (sum) the absolute values of the spurious measurements at each frequency for each antenna (to create a single composite spectrum of spurious emissions) (6) Ensure that the composite spectrum does not exceed the Limit	

3.8.1 E.U.T. Operation:

Operating Environment:						
Temperature:	22 °C		Humidity:	49 %	Atmospheric Pressure:	101.9 kPa
Pretest mode:		TM2				

Final test mode:	TM2
------------------	-----

3.8.2 Test Setup Diagram:



3.8.3 Test Data:

Please Refer to Appendix for Details.

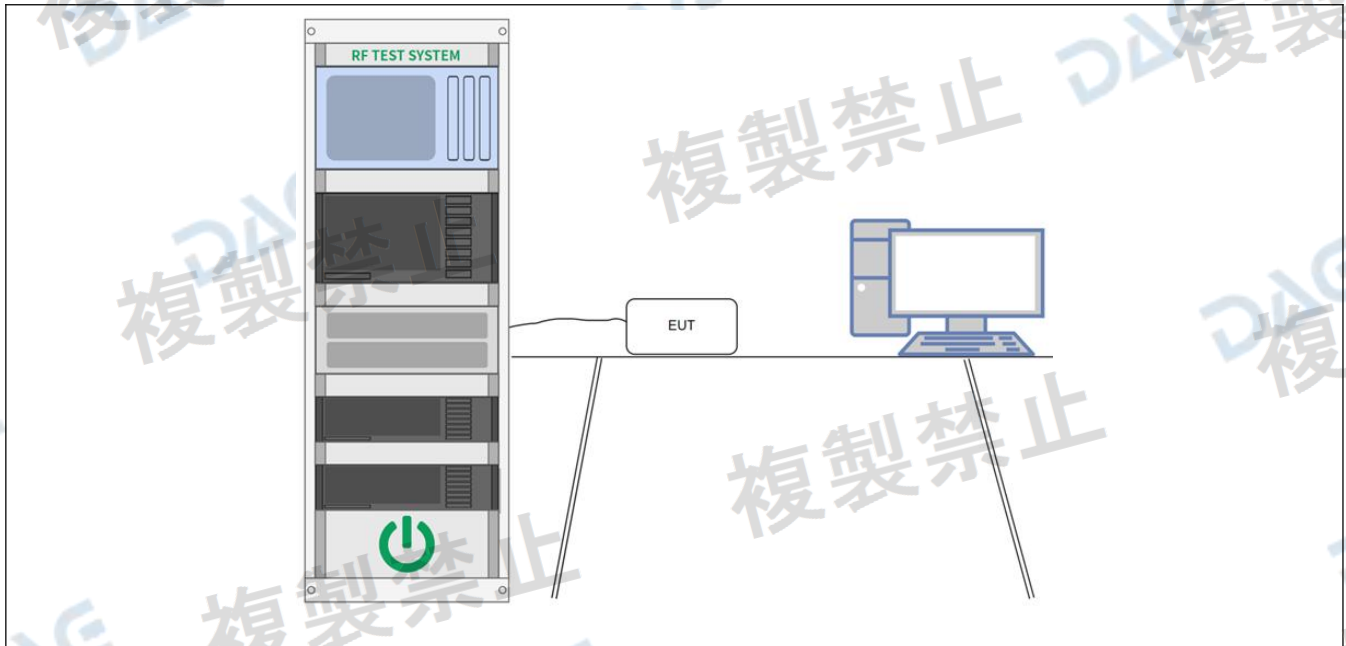
3.9 Carrier Sensing 1

Test Requirement:	Article 2-1, Item 19-3		
Test Limit:	Field intensity in the direction of the maximum gain of a receiving antenna : 100mV/m		
	*Start transmission after performing a carrier sense. However, when transmission and reception are controlled from other radio equipment, and when the radio equipment which performed transmission resumes transmission within 8 millisecond after a career sense, it can omit performing a career sense.		
Test Method:	Signal Generator Settings		
	[Setting 1]		
	Output frequency:	Center of test frequency	
	Modulation:	Un-modulated, see note	
	Output level:	The required level at the EUT antenna input, as defined by the applicant	
	Note:		
	If the EUT's carrier sensing cannot function with an un-modulated signal at the center of the test frequency, then the un-modulated signal can be moved away from the center.		
	Spectrum Analyzer Settings		
	[Setting 2]		
	Frequency:	Center of test frequency	
	Span:	50 MHz	
	RBW:	1 MHz	
	VBW:	1 MHz	
	Trigger:	Free running	
	Detector:	Positive peak	
Procedure:	Testing without a Link Partner (1) Set the spectrum analyzer to [Setting 2] (2) With the signal generator OFF, set the EUT to transmit mode (3) Set the EUT to receive mode (4) First, set the signal generator output ON, then set the EUT to transmit mode and confirm that the EUT does NOT transmit a signal		
	Testing with a Link Partner (1) Set the spectrum analyzer to [Setting 2] (2) Set the signal generator output to OFF (3) After establishing a connection between the EUT and the Link Partner, set the EUT to transmit mode (4) Set the EUT to receive mode (5) Set the signal generator output ON, then set the EUT to transmit mode and confirm that the EUT does NOT transmit a signal		

3.9.1 E.U.T. Operation:

Operating Environment:					
Temperature:	23.2 °C	Humidity:	50 %	Atmospheric Pressure:	101.9 kPa
Pretest mode:	TM3				
Final test mode:	TM3				

3.9.2 Test Setup Diagram:



3.9.3 Test Data:

Please Refer to Appendix for Details.

Condition	Antenna	Mode	Frequency (MHz)	PCS(dbm)	CF(db)	SG level	Result
NVNT	ANT1	802.11a	5240	-49.55	6.07	-43.48	Pass
NVNT	ANT1	802.11a	5290	-45.65	6.02	-39.63	Pass
NVNT	ANT1	802.11a	5510	-45.83	6.17	-39.66	Pass
NVNT	ANT1	802.11a	5590	-45.79	6.21	-39.58	Pass

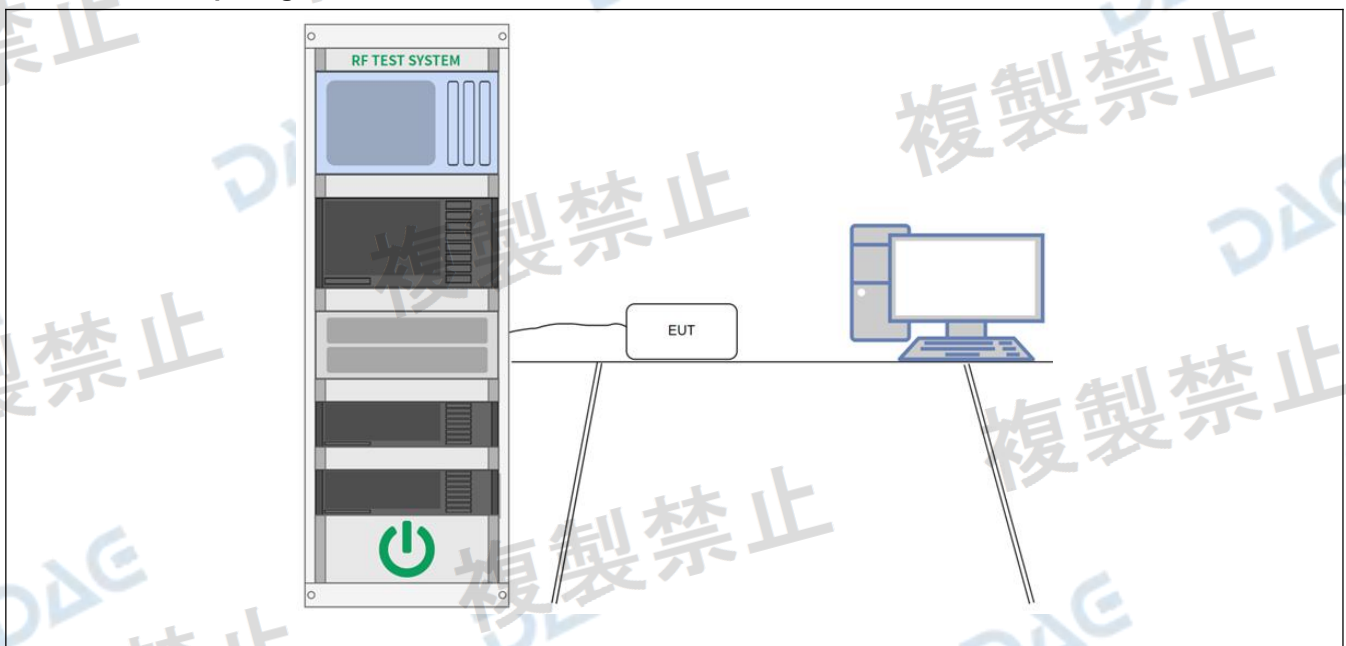
3.10 Interference Prevention Function

Test Requirement:	Article 2-1, Item 19-3
Test Limit:	The EUT shall support one of the following functions: - Automatic identification transmission - Automatic identification reception
Test Method:	- Demodulator A device capable of demodulating and displaying identification data transmitted by the EUT. - Link Partner A device capable of transmitting identification data suitable for reception by the EUT.
Procedure:	(1) For EUTs capable of automatically transmitting identification data a. Transmit identification data from EUT to Demodulator b. Confirm identification data is correctly received by Demodulator (2) For EUTs capable of automatically receiving identification data a. Transmit identification data from Link Partner to EUT b. Confirm communication link is established c. Link Partner shall respond by transmitting different identification data back to the EUT d. Confirm EUT stops transmitting, or confirm EUT recognizes that the two identification data are different

3.10.1 E.U.T. Operation:

Operating Environment:					
Temperature:	23.2 °C	Humidity:	50 %	Atmospheric Pressure:	101.9 kPa
Pretest mode:	TM3				
Final test mode:	TM3				

3.10.2 Test Setup Diagram:



3.10.3 Test Data:

Please Refer to Appendix for Details.

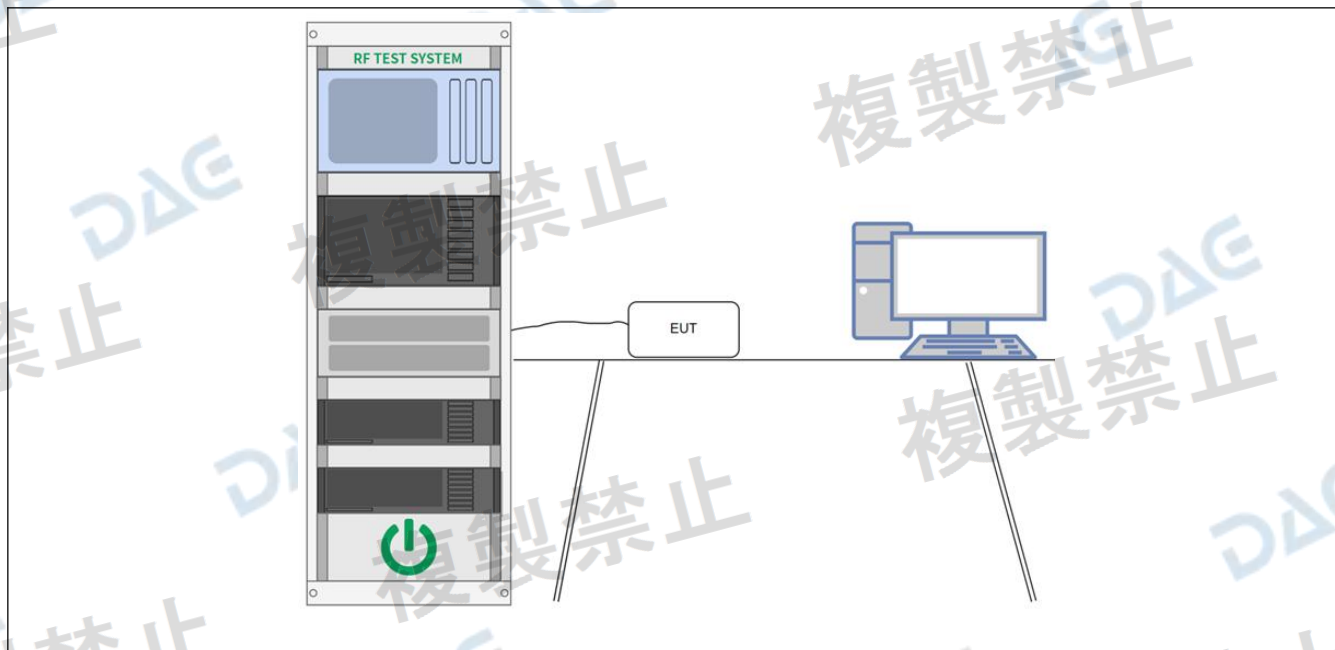
3.11 Transmission Burst Length

Test Requirement:	Article 2-1, Item 19-3
Test Limit:	8ms or less
Test Method:	Frequency: Center of tested frequency Span: 0 Hz RBW: 1 MHz VBW: 1 MHz Sweep time: Auto Sweep data points: 1001 or greater Detector mode: Sample
Procedure:	Configure the spectrum analyzer to [Setting 1] and then search the max pulse, and measure the transmission time.

3.11.1 E.U.T. Operation:

Operating Environment:					
Temperature:	23.5 °C	Humidity:	55 %	Atmospheric Pressure:	101.9 kPa
Pretest mode:	TM1				
Final test mode:	TM1				

3.11.2 Test Setup Diagram:

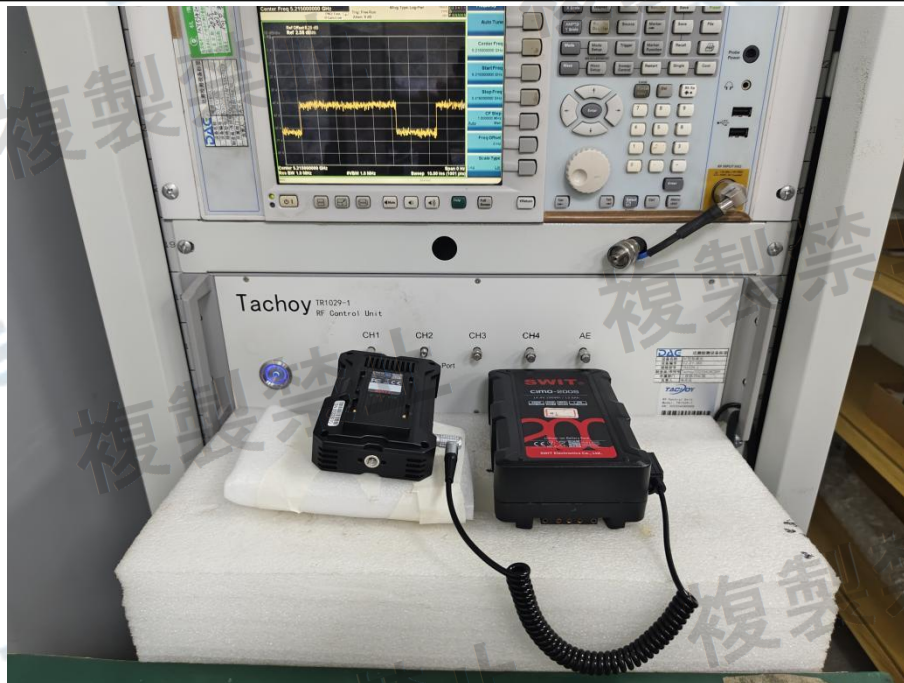


3.11.3 Test Data:

Please Refer to Appendix for Details.

4 TEST SETUP PHOTOS

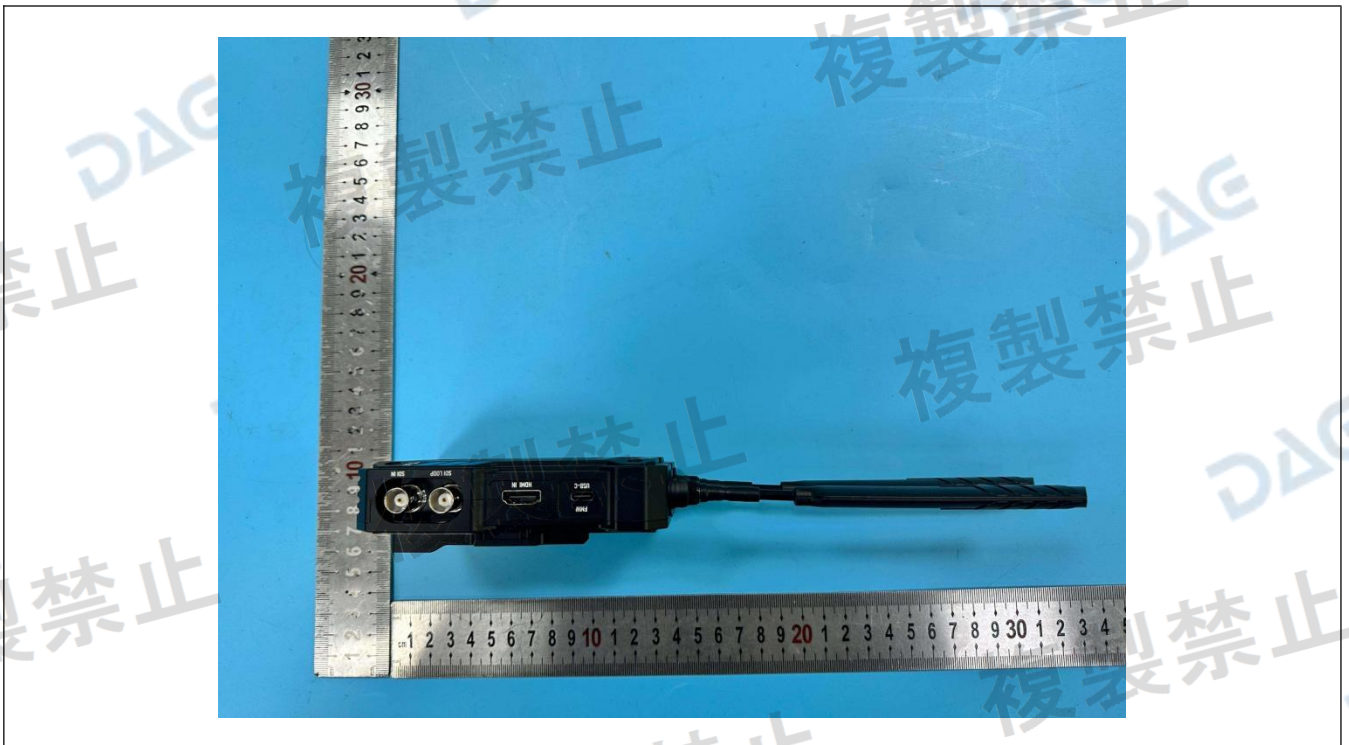
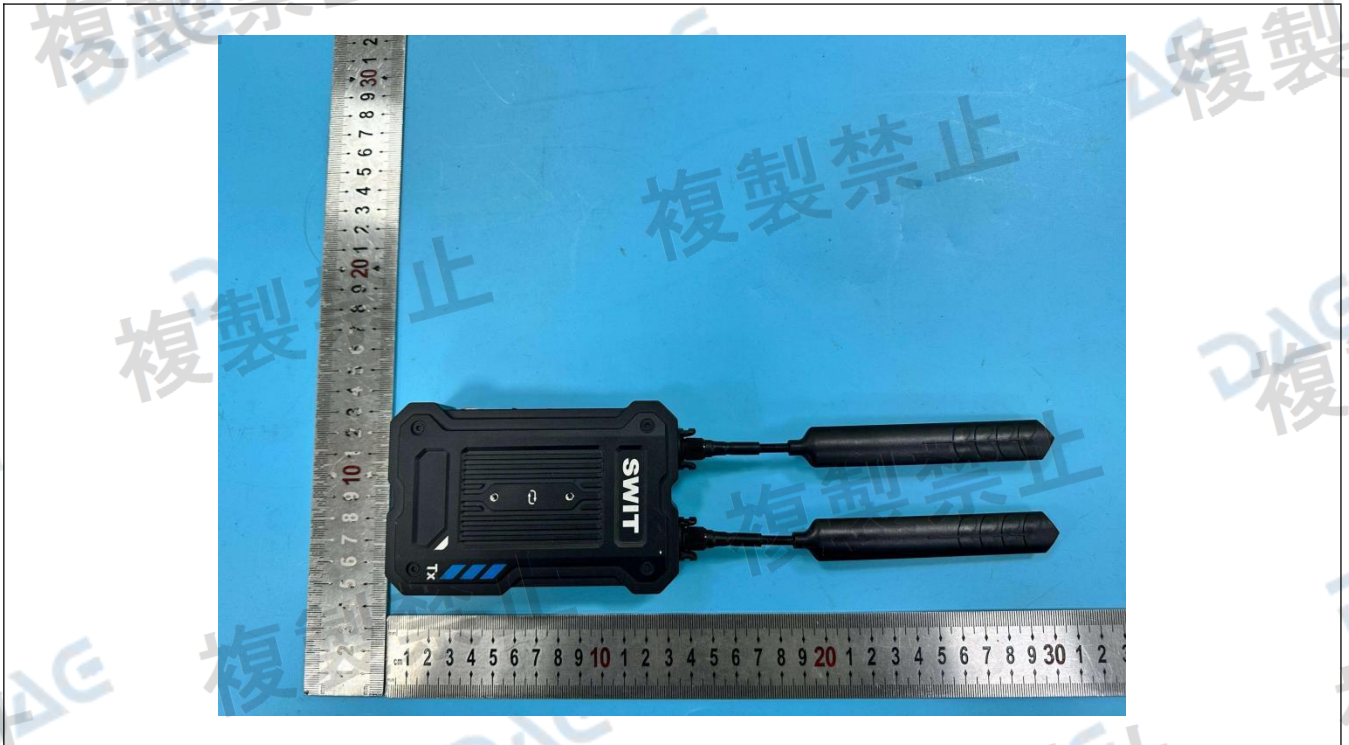
Tolerance of Frequency
Occupied Bandwidth (99%)
Antenna Power and Tolerance
E.I.R.P
Out of Band Emission
Adjacent Channel Emittted Power
Spurious Emission Intensity
Secondary Radiated Emissions
Carrier Sensing 1
Interference Prevention Function
Transmission Burst Length

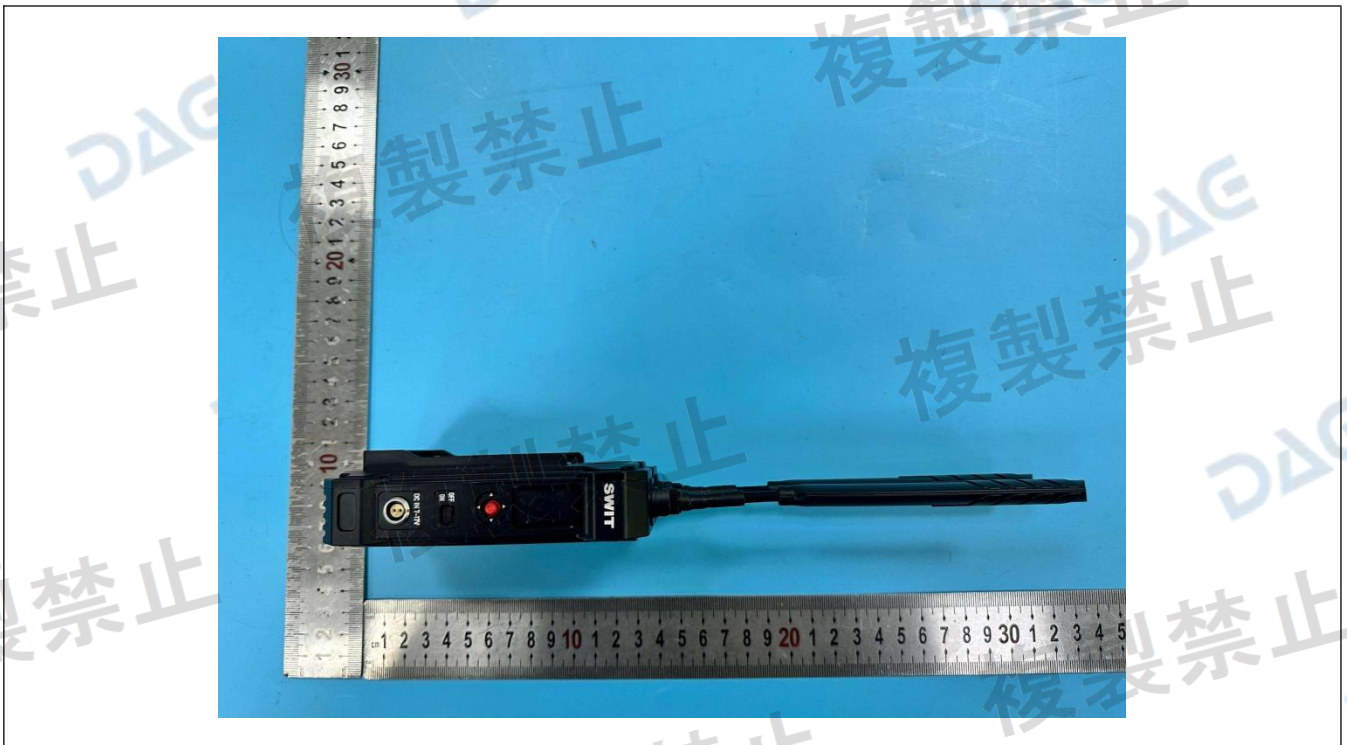
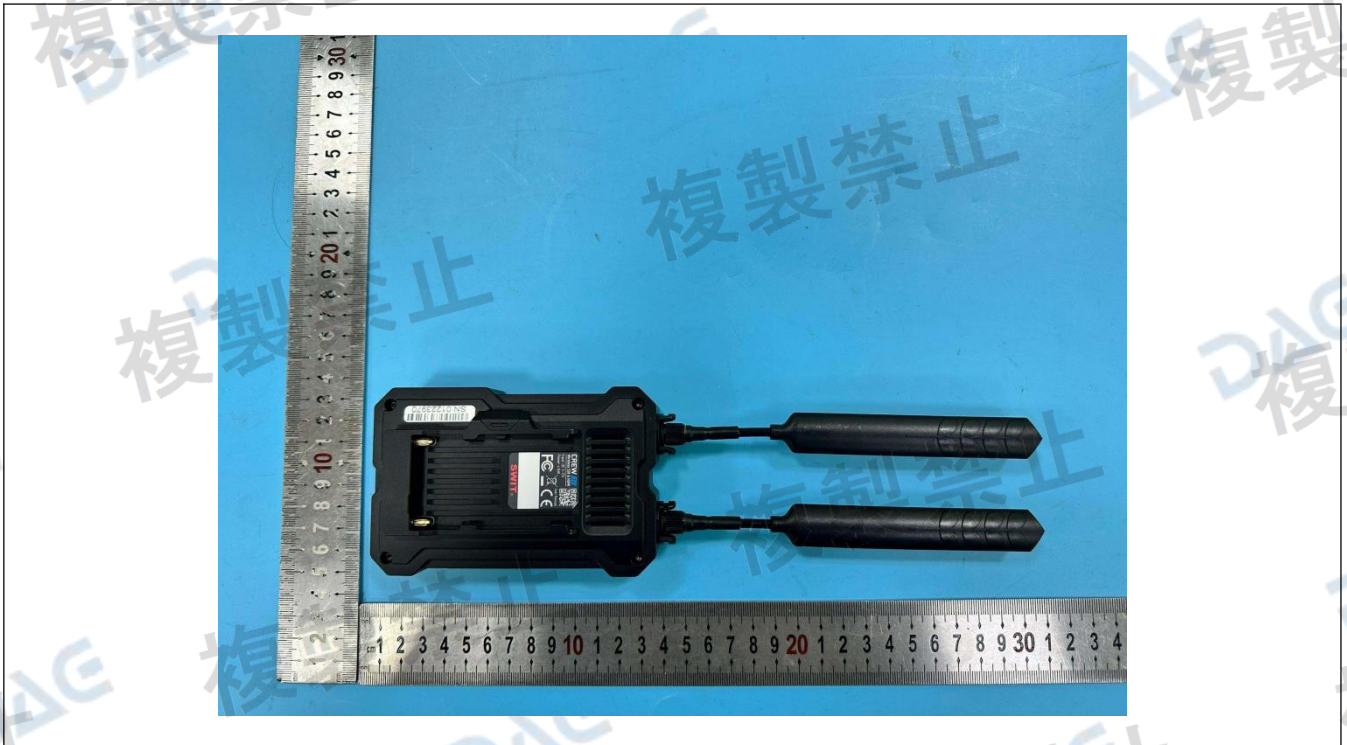


5 PHOTOS OF THE EUT

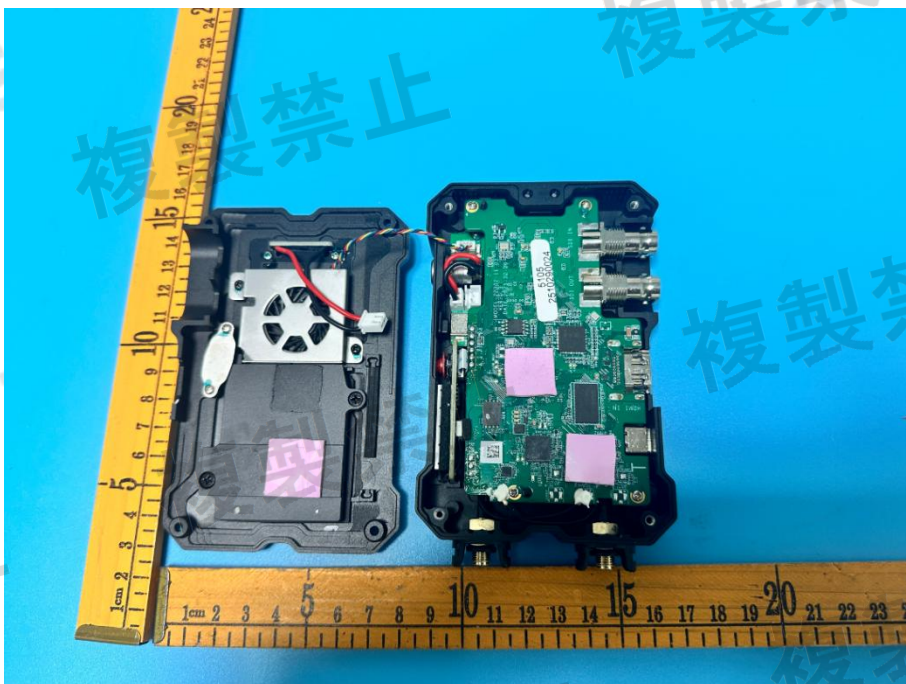
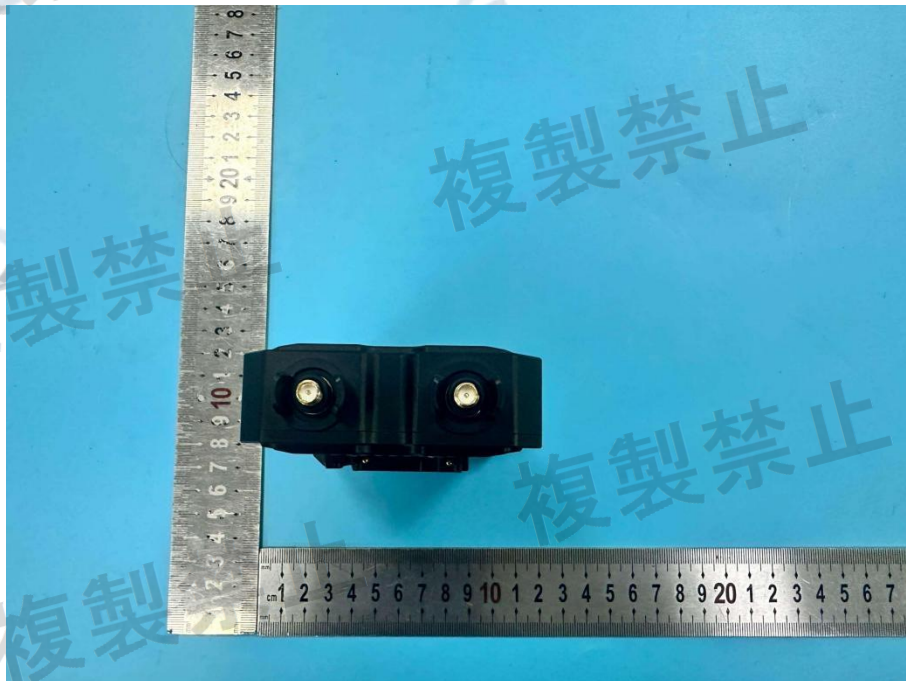
External

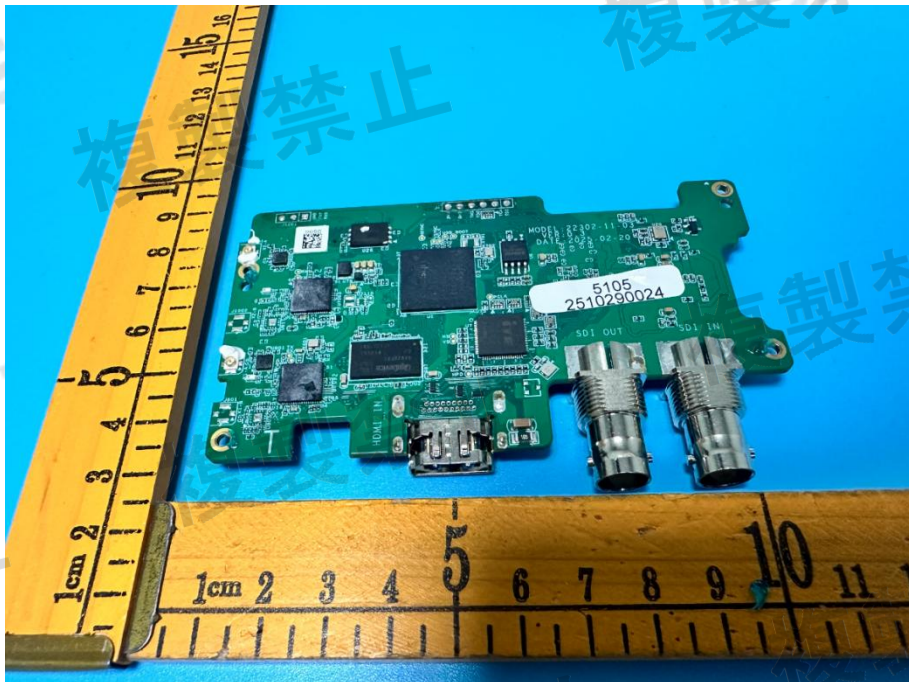


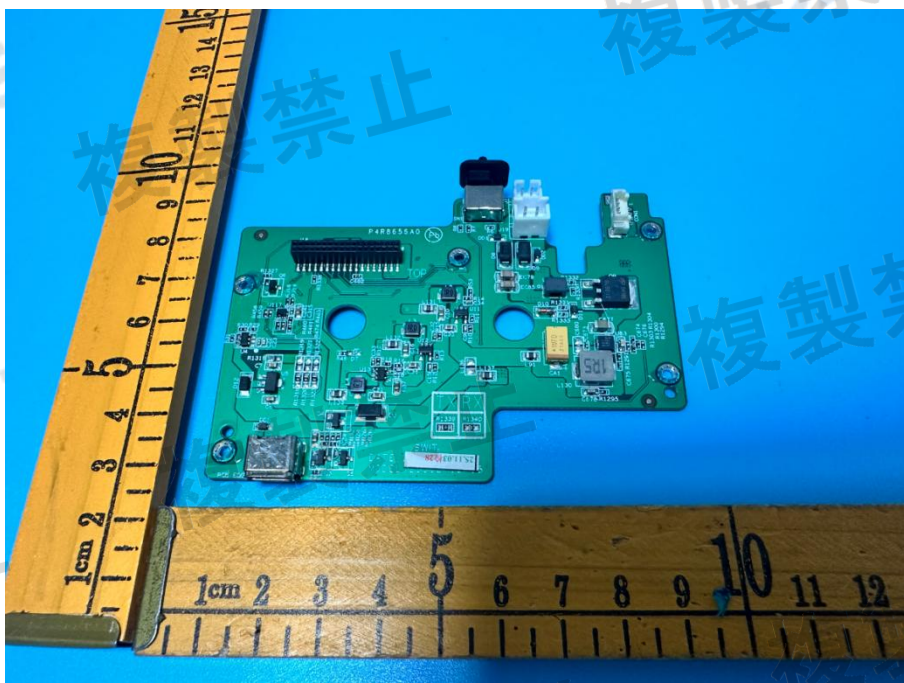
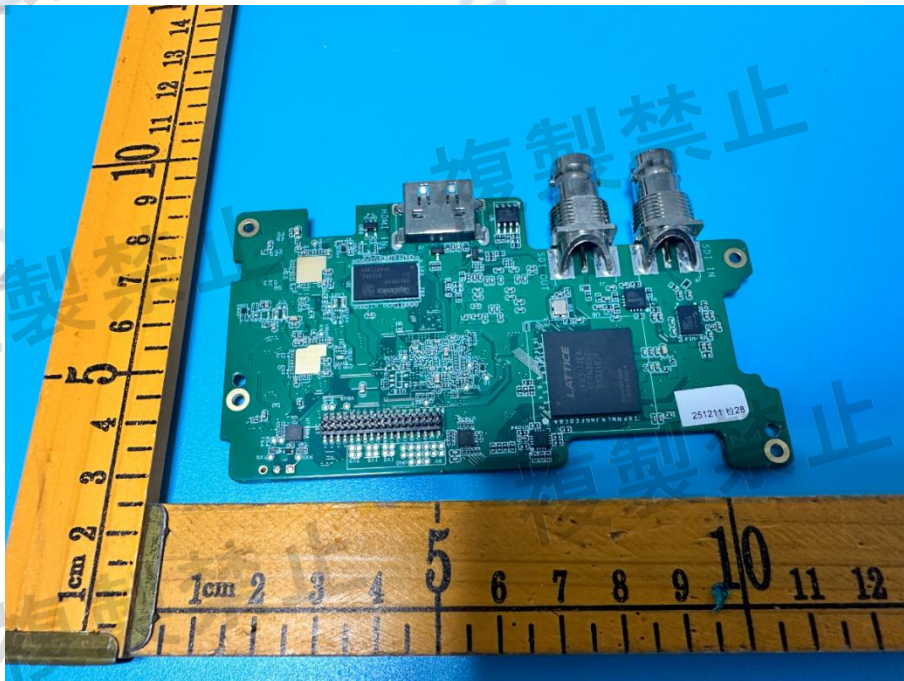


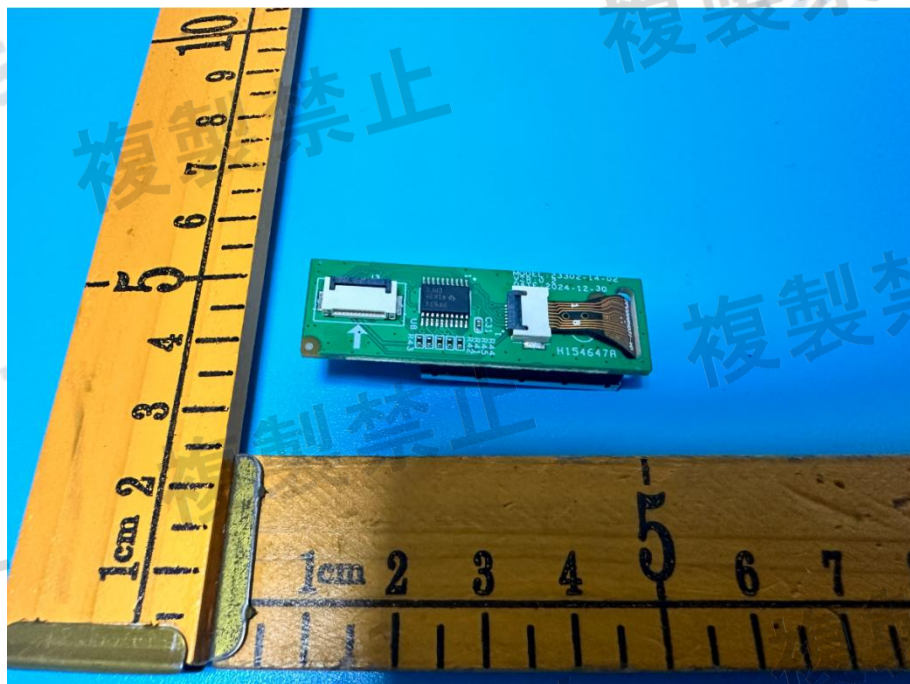
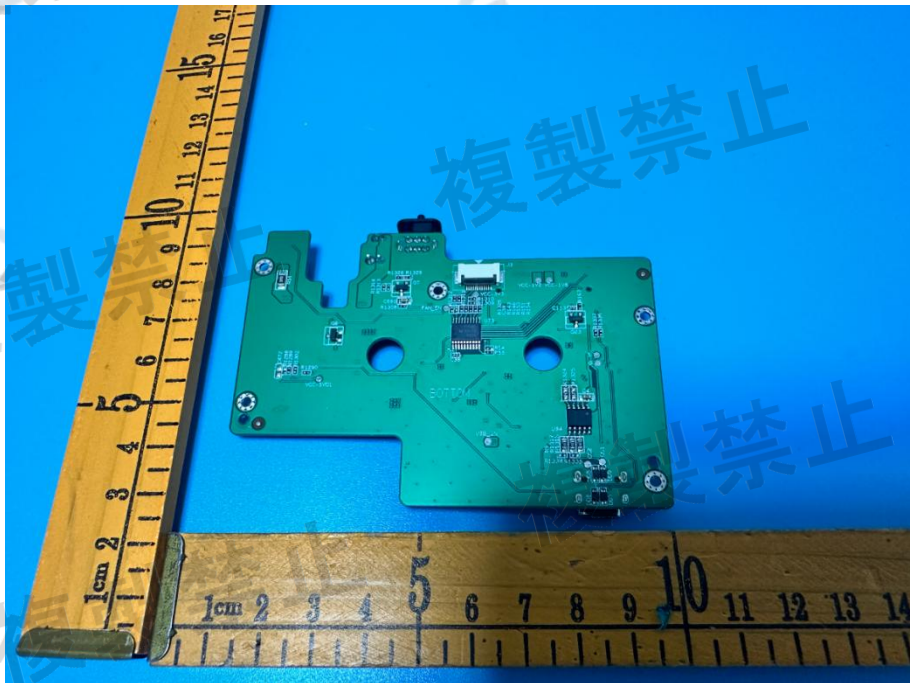


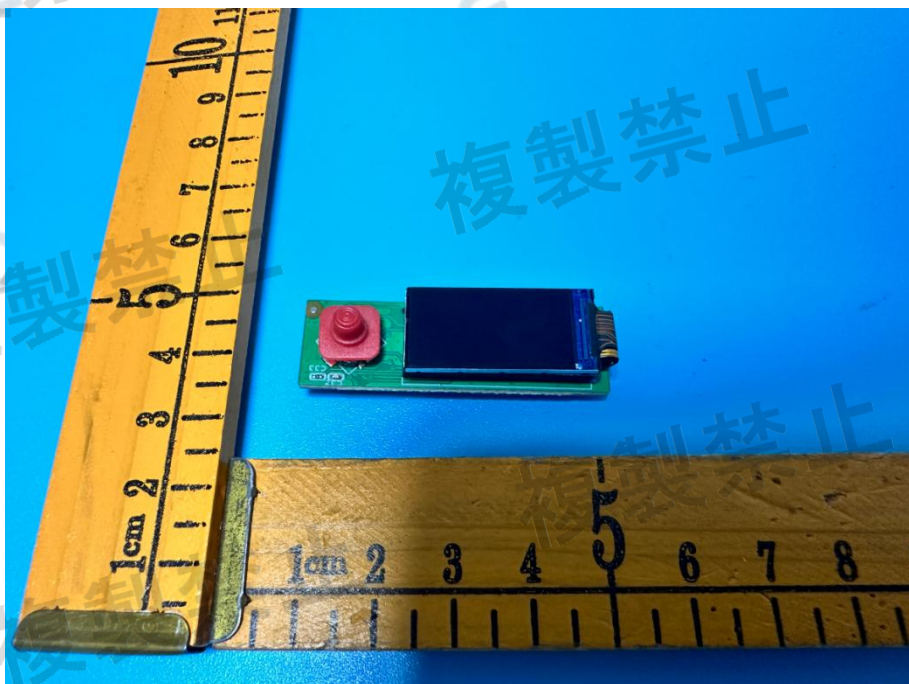












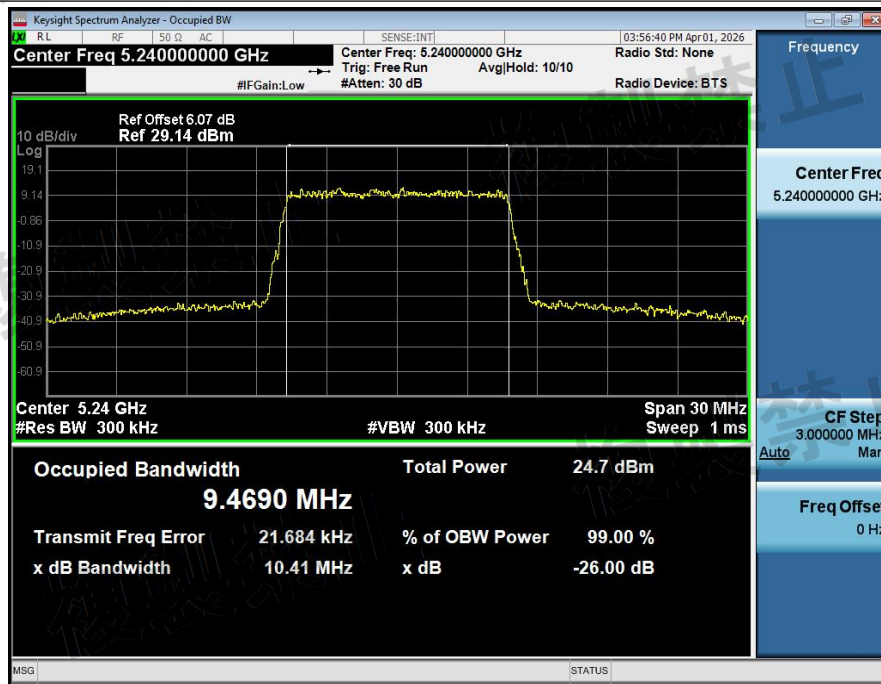
Appendix

HT260131008-CREW TX-MIC

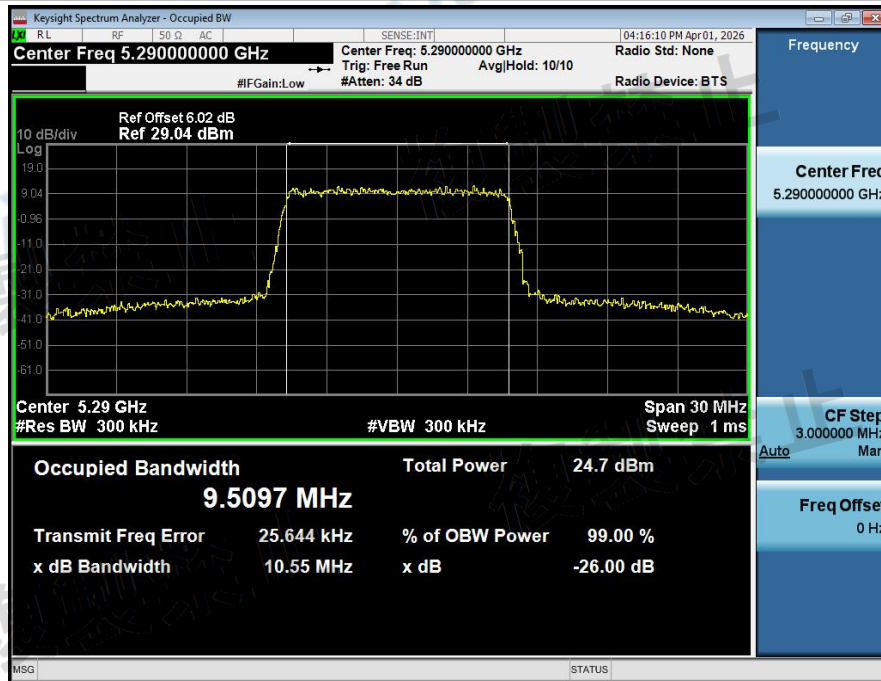
1. Occupied Frequency Bandwidth

Condition	Antenna	Mode	Frequency(MHz)	Occupied Bandwidth(MHz)	Limit(MHz)	Result
NVNT	ANT1	802.11a	5240.00	9.47	20	Pass
NVNT	ANT1	802.11a	5290.00	9.51	20	Pass
NVNT	ANT2	802.11a	5540.00	9.47	20	Pass
NVNT	ANT2	802.11a	5590.00	9.46	20	Pass

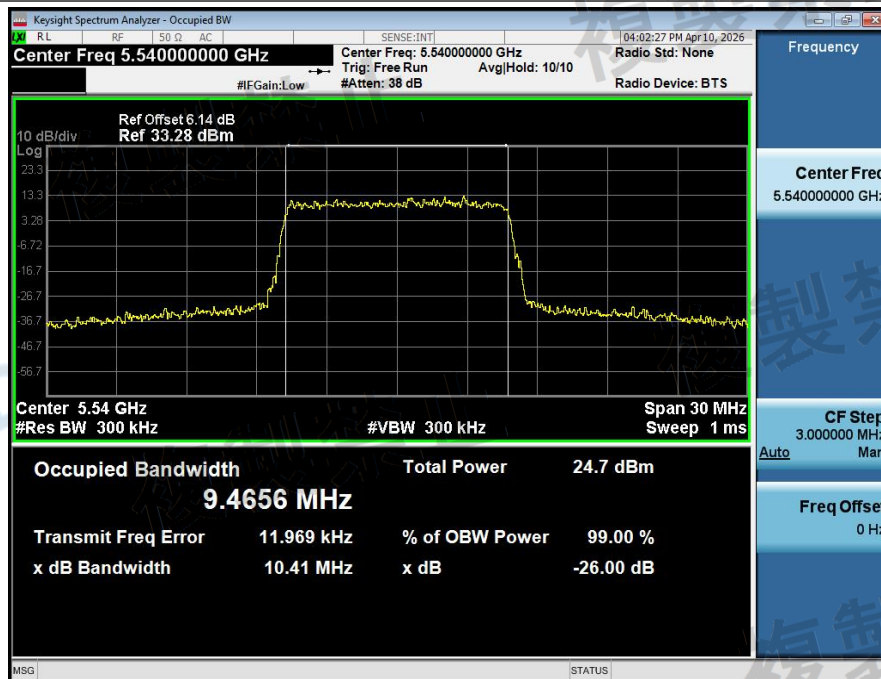
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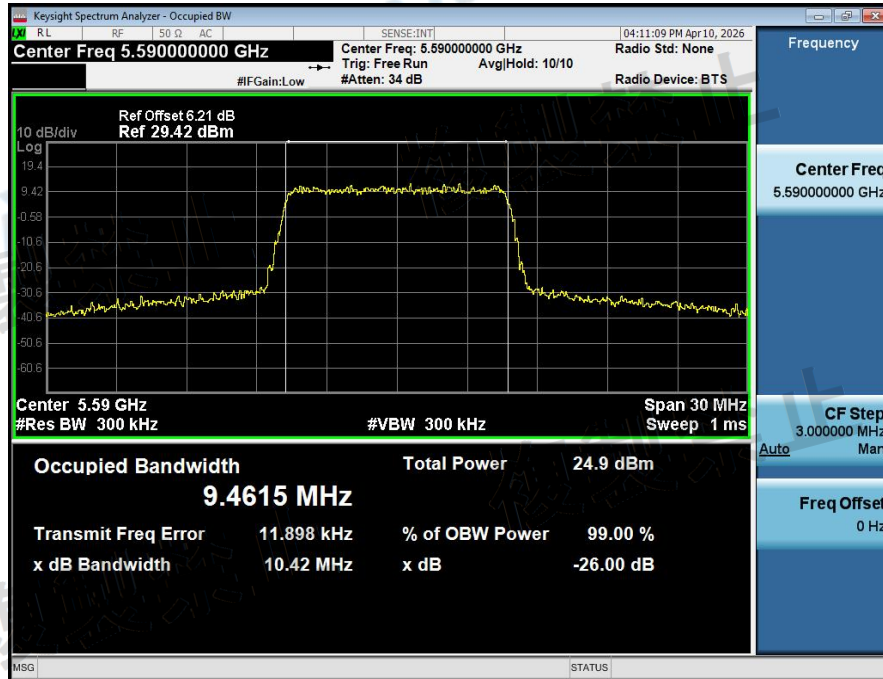
Occupied_Frequency_Bandwidth_NVNT_ANT1_802_11a_5290



Occupied_Frequency_Bandwidth_NVNT_ANT2_802_11a_5540_20M



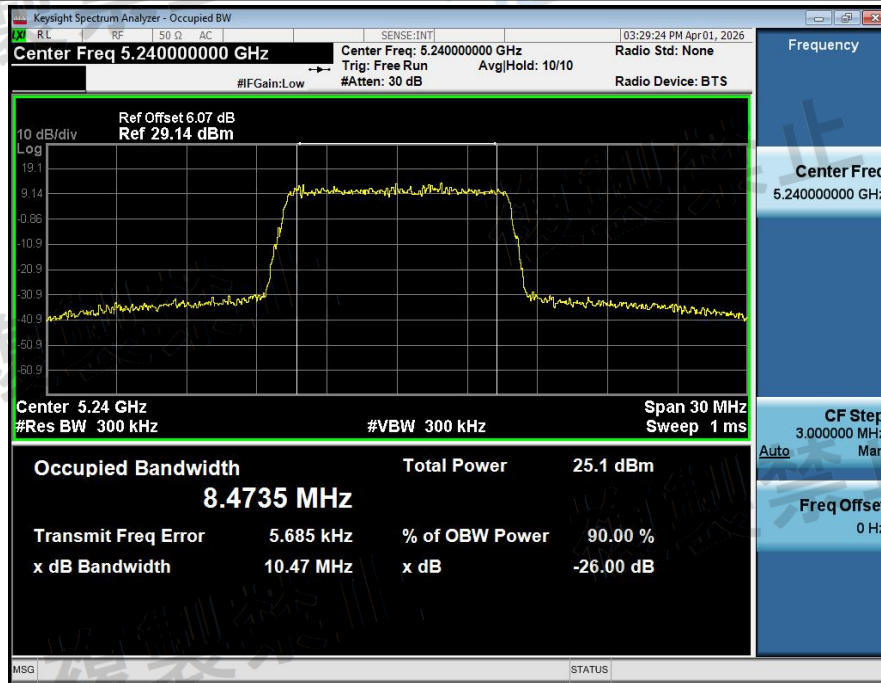
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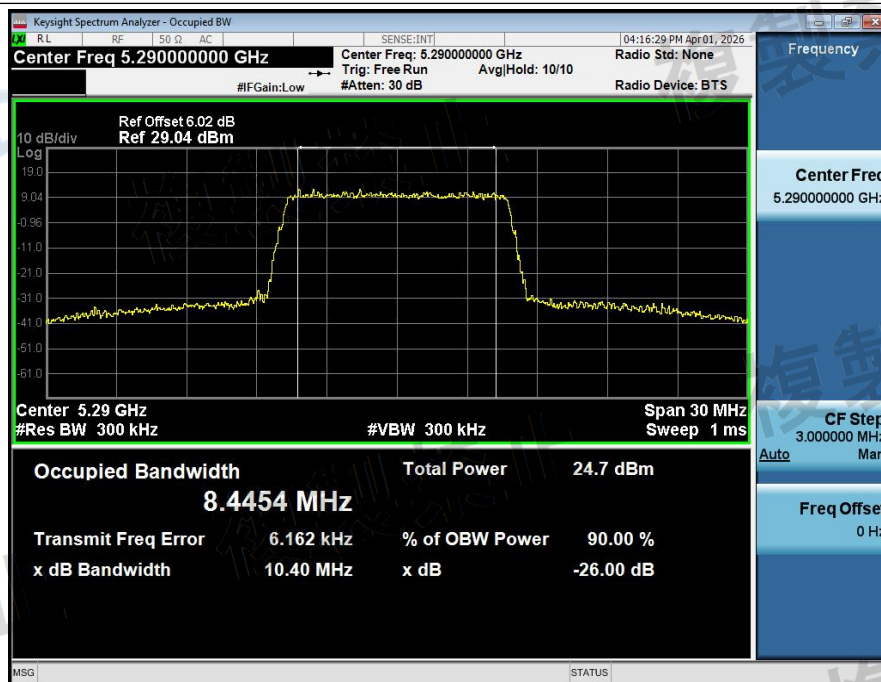
2. Spread Spectrum Bandwidth

Condition	Antenna	Mode	Frequency(MHz)	Spread Spectrum Bandwidth(MHz)
NVNT	ANT1	802.11a	5240.00	8.47
NVNT	ANT1	802.11a	5290.00	8.45
NVNT	ANT2	802.11a	5540.00	8.39
NVNT	ANT2	802.11a	5590.00	8.39

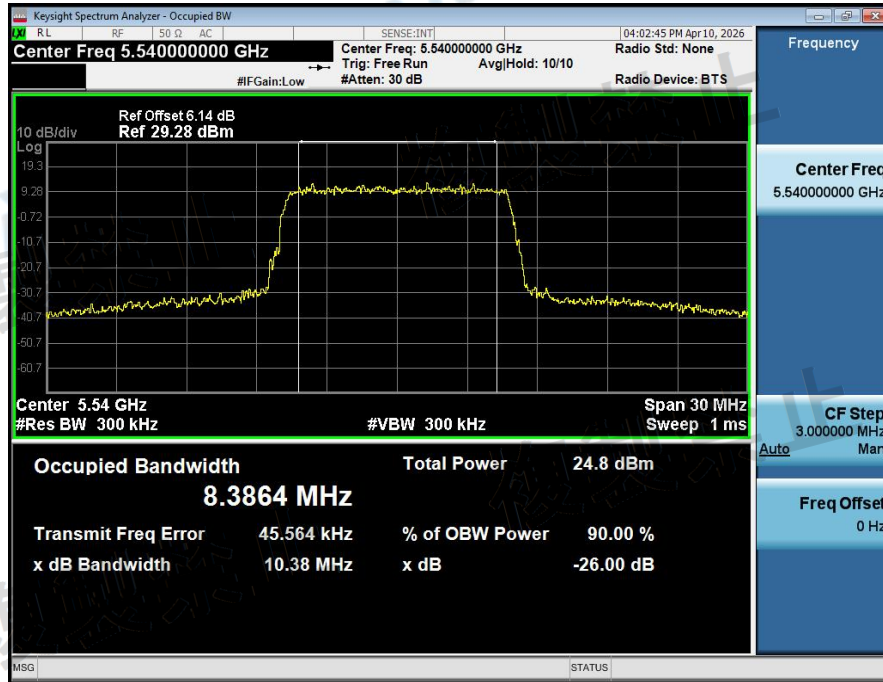
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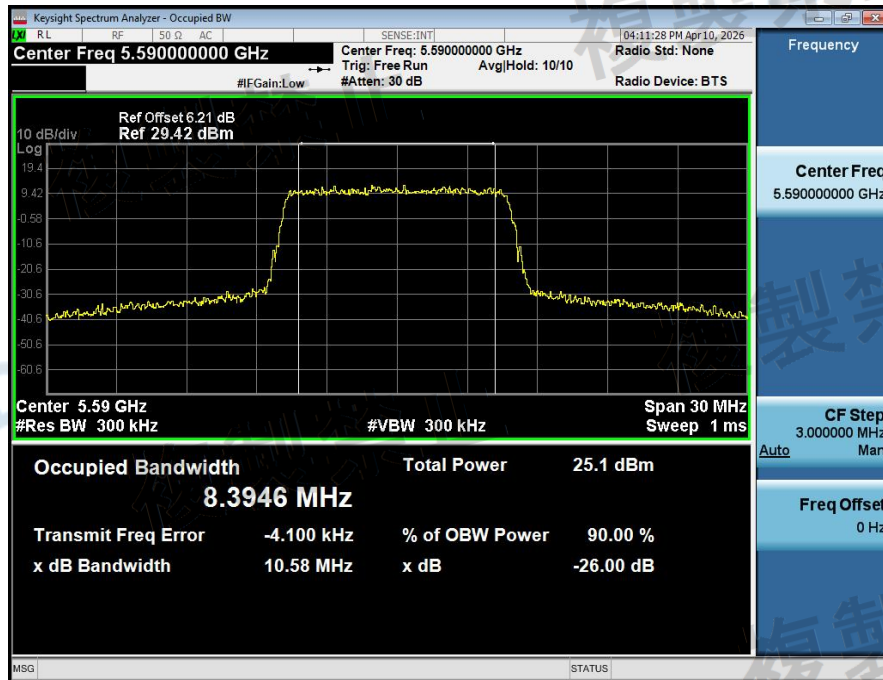
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Spread_Spectrum_Bandwidth_NVNT_ANT2_802_11a_5540



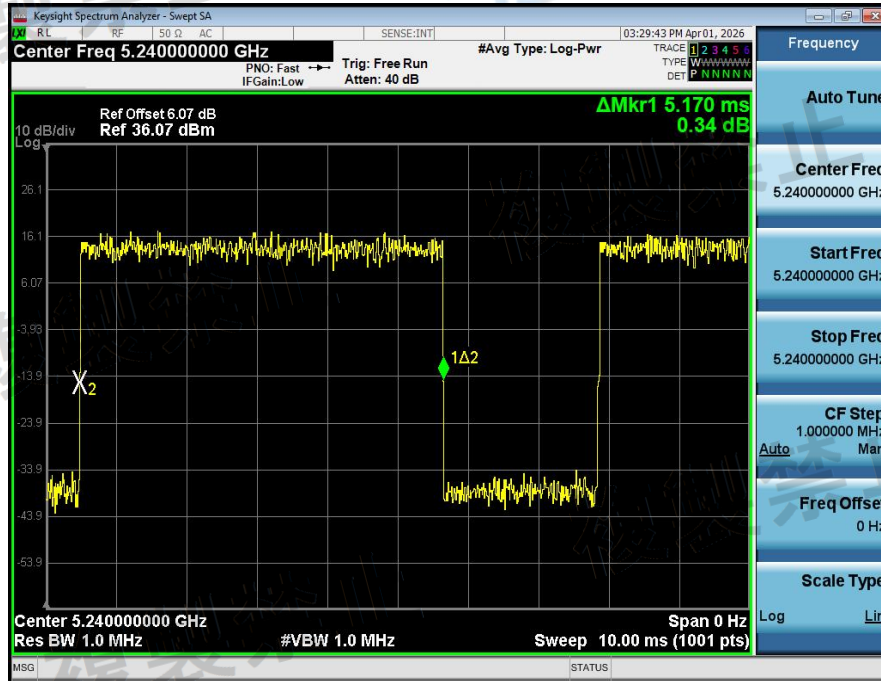
Spread_Spectrum_Bandwidth_NVNT_ANT2_802_11a_5590



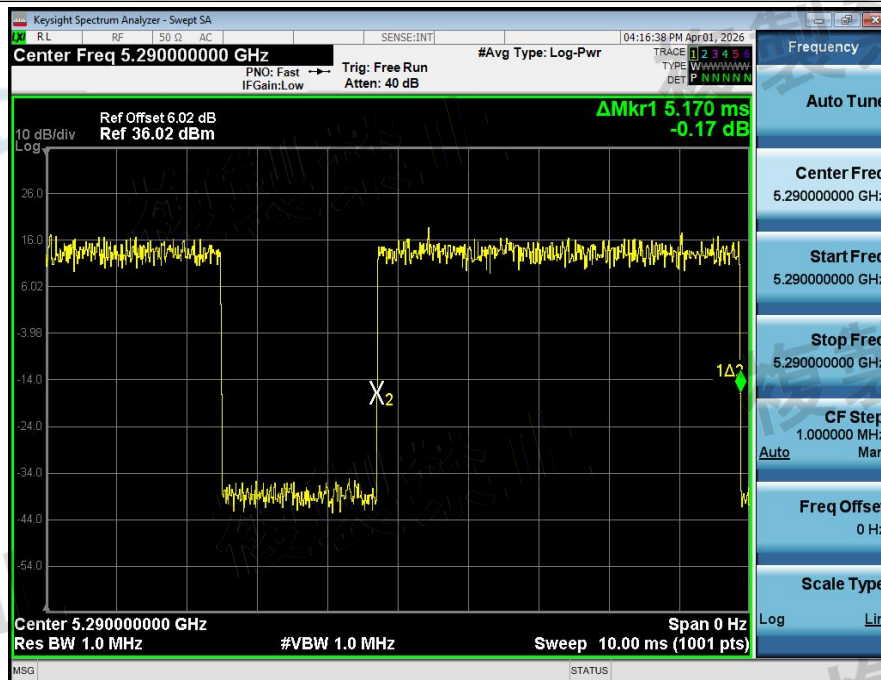
3. Burst Length

Condition	Antenna	Mode	Frequency	Burst_Length(ms)	Limit(ms)	Result
NVNT	ANT1	802.11a	5240.00	5.170	8	Pass
NVNT	ANT1	802.11a	5290.00	5.170	8	Pass
NVNT	ANT2	802.11a	5540.00	5.170	8	Pass
NVNT	ANT2	802.11a	5590.00	5.180	8	Pass

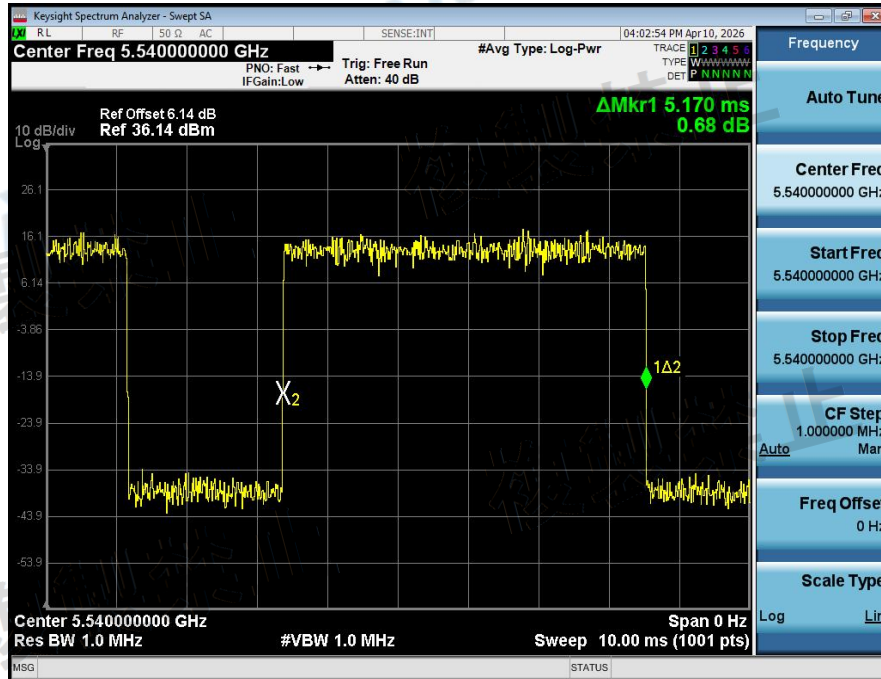
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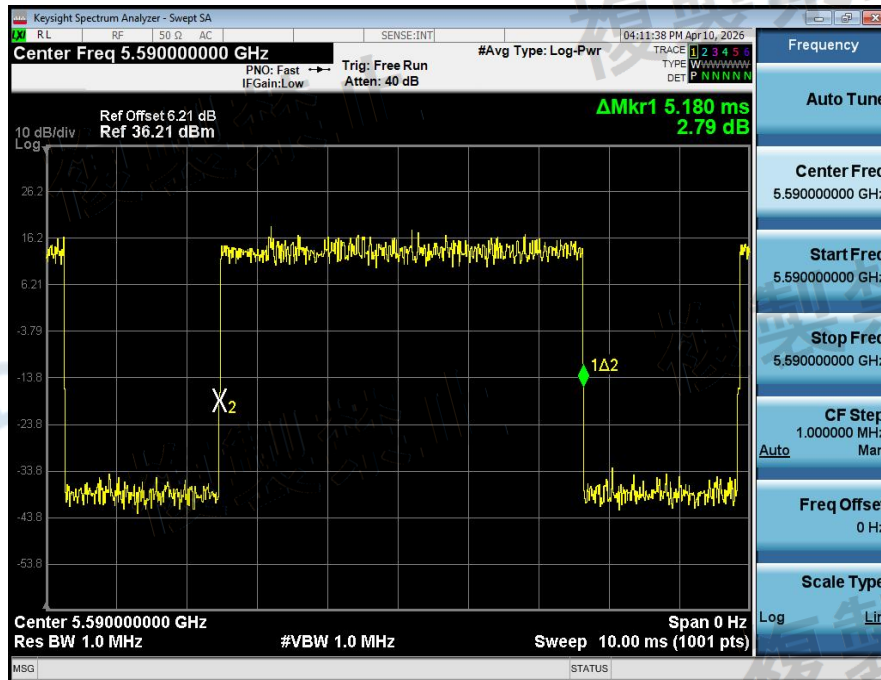
Burst_Length_NVNT_ANT1_802_11a_5290_20M



Burst_Length_NVNT_ANT2_802_11a_5540_20M



Burst_Length_NVNT_ANT2_802_11a_5590_20M



4. RF output power & E.I.R.P(Without TPC)

Condition	Antenna	Mode	Frequency	Measured Power (dBm)	Antenna Power (mW/MHz)	Rated Power (mW/MHz)	Power Limit (mW/MHz)	Power Tolerance (%)	Tolerance Limit (%)	Result
NVNT	ANT1	802.11a	5240.00	6.15	4.12	5.00	10.00	-17.63	-80~+20	Pass
NVNT	ANT1	802.11a	5290.00	5.77	3.78	5.00	10.00	-24.46	-80~+20	Pass
NVNT	ANT2	802.11a	5540.00	5.43	3.49	5.00	10.00	-30.16	-50~+50	Pass
NVNT	ANT2	802.11a	5590.00	5.76	3.76	5.00	10.00	-24.73	-50~+50	Pass

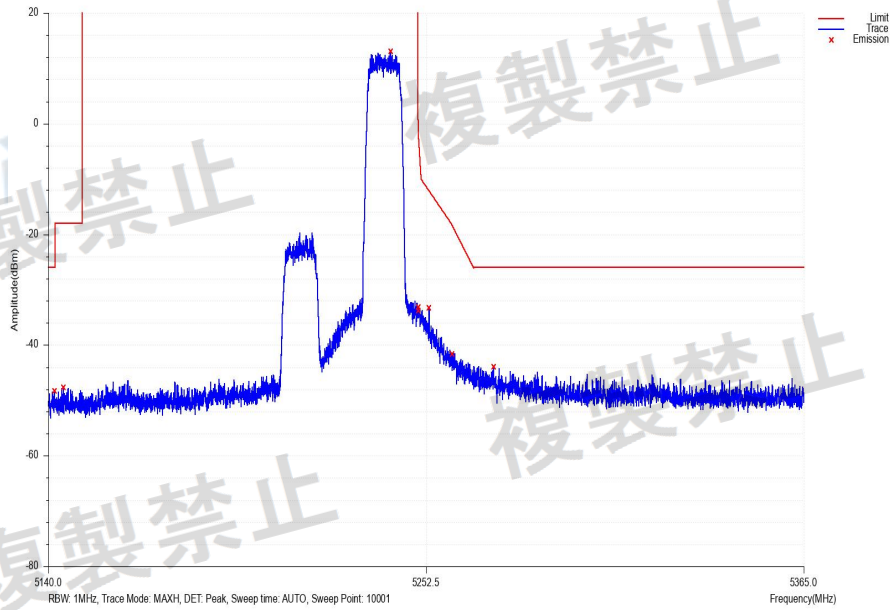
Condition	Antenna	Mode	Frequency	Measured Power(dBm/MHz)	Antenna Gain(dBi)	EIRP(mW/MHz)	EIRP Limit(mW/MHz)	Result
NVNT	ANT1	802.11a	5240.00	6.15	3	9.15	10.00	Pass
NVNT	ANT1	802.11a	5290.00	5.77	3	8.77	10.00	Pass
NVNT	ANT2	802.11a	5540.00	5.43	3	8.43	10.00	Pass
NVNT	ANT2	802.11a	5590.00	5.76	3	8.76	10.00	Pass

5. Spurious Emissions

Condition	Mode	TX Freq. (MHz)	Freq Range (MHz)	Spur. Freq. (MHz)	Amplitude (dBm/MHz)	Limit (dBm/MHz)	Spur. Level	Limit	Result
NVNT	802.11a	5240.00	5140.0~5142.0	5141.755	-48.30	-26.00	0.0148μW/MHz	2.5μW/MHz	Pass
NVNT	802.11a	5240.00	5142.0~5150.0	5144.410	-47.67	-18.00	0.0170μW/MHz	15μW/MHz	Pass
NVNT	802.11a	5240.00	5250.0~5250.2	5250.182	-33.81	-1.53	0.000416mW/MHz	0.702533mW/MHz	Pass
NVNT	802.11a	5240.00	5250.2~5251.0	5250.205	-33.18	-2.05	0.000481mW/MHz	0.623735mW/MHz	Pass
NVNT	802.11a	5240.00	5251.0~5260.0	5253.400	-33.24	-12.13	0.000474mW/MHz	0.061188mW/MHz	Pass
NVNT	802.11a	5240.00	5260.0~5266.7	5260.262	-41.60	-18.31	0.000069mW/MHz	0.014740mW/MHz	Pass
NVNT	802.11a	5240.00	5266.7~5365.0	5272.615	-43.87	-26.00	0.0410μW/MHz	2.5μW/MHz	Pass
NVNT	802.11a	5240.00	30.0~5140.0	5135.637	-41.49	-26.00	0.0709μW/MHz	2.5μW/MHz	Pass
NVNT	802.11a	5240.00	5365.0~10000.0	5377.908	-43.73	-26.00	0.0423μW/MHz	2.5μW/MHz	Pass
NVNT	802.11a	5240.00	10000.0~26000.0	10432.000	-38.87	-26.00	0.1297μW/MHz	2.5μW/MHz	Pass
NVNT	802.11a	5290.00	5140.0~5233.3	5172.377	-43.82	-26.00	0.0415μW/MHz	2.5μW/MHz	Pass
NVNT	802.11a	5290.00	5233.3~5240.0	5237.538	-43.52	-20.95	0.044444μW/MHz	0.008026mW/MHz	Pass
NVNT	802.11a	5290.00	5240.0~5249.0	5247.123	-41.01	-11.67	0.000079mW/MHz	0.068094mW/MHz	Pass
NVNT	802.11a	5290.00	5249.0~5249.8	5249.395	-42.92	-6.05	0.000051mW/MHz	0.248313mW/MHz	Pass
NVNT	802.11a	5290.00	5249.8~5250.0	5249.980	-44.37	2.80	0.000037mW/MHz	1.905461mW/MHz	Pass
NVNT	802.11a	5290.00	5350.0~5360.0	5359.780	-43.60	-26.00	0.0436μW/MHz	2.5μW/MHz	Pass
NVNT	802.11a	5290.00	30.0~5140.0	4538.434	-43.45	-26.00	0.0452μW/MHz	2.5μW/MHz	Pass
NVNT	802.11a	5290.00	5360.0~10000.0	5425.764	-43.33	-26.00	0.0464μW/MHz	2.5μW/MHz	Pass
NVNT	802.11a	5290.00	10000.0~26000.0	10528.000	-38.06	-26.00	0.1562μW/MHz	2.5μW/MHz	Pass
NVNT	802.11a	5540.00	5400.0~5460.0	5456.680	-44.30	-26.00	0.0371μW/MHz	2.5μW/MHz	Pass
NVNT	802.11a	5540.00	5460.0~5470.0	5463.680	-44.43	-19.00	0.0360μW/MHz	12.5μW/MHz	Pass
NVNT	802.11a	5540.00	5745.0~5765.0	5751.120	-46.17	-19.00	0.0241μW/MHz	12.5μW/MHz	Pass
NVNT	802.11a	5540.00	5765.0~5800.0	5778.840	-45.18	-26.00	0.0303μW/MHz	2.5μW/MHz	Pass
NVNT	802.11a	5540.00	30.0~5400.0	5374.917	-44.72	-26.00	0.0337μW/MHz	2.5μW/MHz	Pass
NVNT	802.11a	5540.00	5800.0~10000.0	5847.495	-45.70	-26.00	0.0269μW/MHz	2.5μW/MHz	Pass
NVNT	802.11a	5540.00	10000.0~26000.0	11129.600	-31.88	-26.00	0.6482μW/MHz	2.5μW/MHz	Pass
NVNT	802.11a	5590.00	5400.0~5460.0	5456.040	-46.53	-26.00	0.0222μW/MHz	2.5μW/MHz	Pass
NVNT	802.11a	5590.00	5460.0~5470.0	5460.920	-46.98	-19.00	0.0200μW/MHz	12.5μW/MHz	Pass
NVNT	802.11a	5590.00	5745.0~5765.0	5758.480	-46.37	-19.00	0.0230μW/MHz	12.5μW/MHz	Pass
NVNT	802.11a	5590.00	5765.0~5800.0	5793.520	-45.91	-26.00	0.0256μW/MHz	2.5μW/MHz	Pass
NVNT	802.11a	5590.00	30.0~5400.0	4562.362	-11.52	-26.00	0.4062μW/MHz	2.5μW/MHz	Pass
NVNT	802.11a	5590.00	5800.0~10000.0	6566.332	-35.38	-26.00	0.2899μW/MHz	2.5μW/MHz	Pass
NVNT	802.11a	5590.00	10000.0~26000.0	11174.400	-34.27	-26.00	0.3740μW/MHz	2.5μW/MHz	Pass

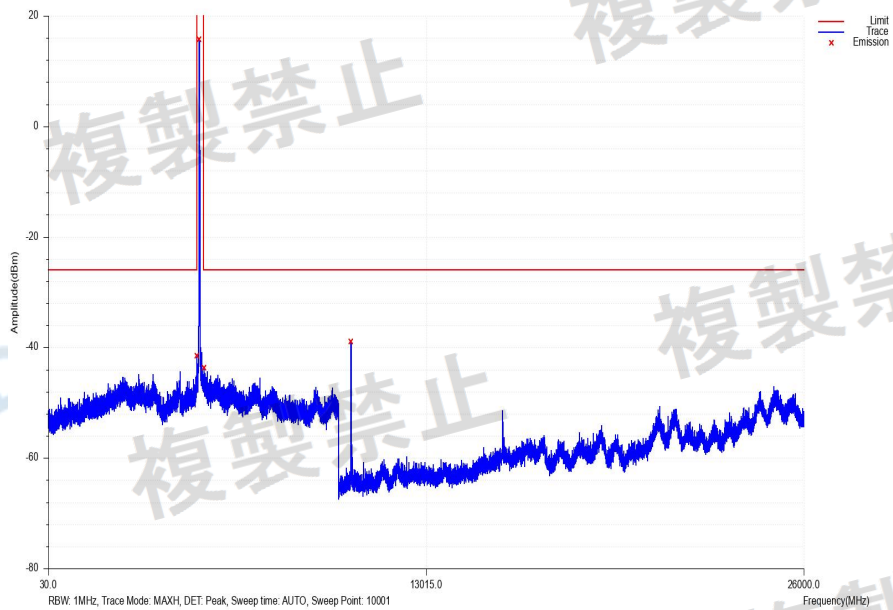
In_band_NVNT_ANT1_802_11a_5240

In band Spurious Emission



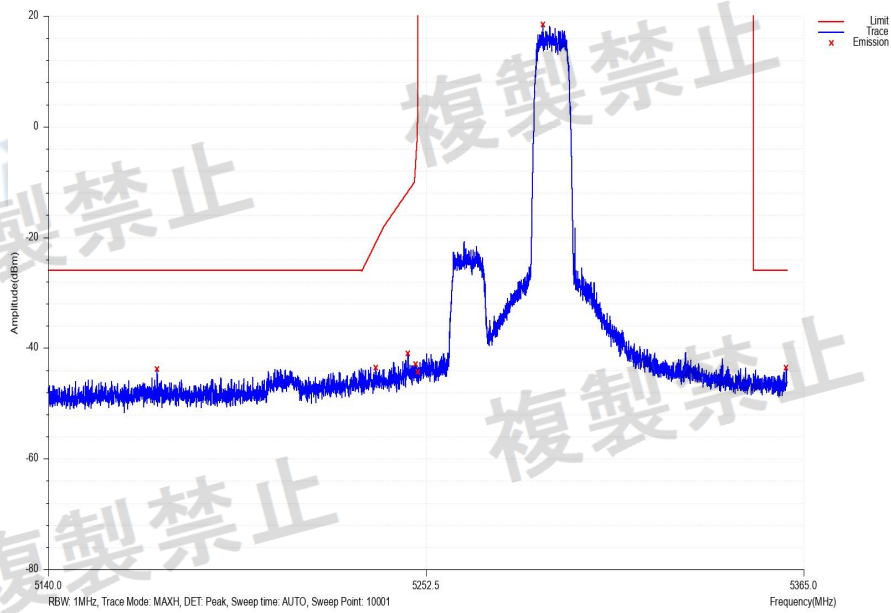
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In band Spurious Emission



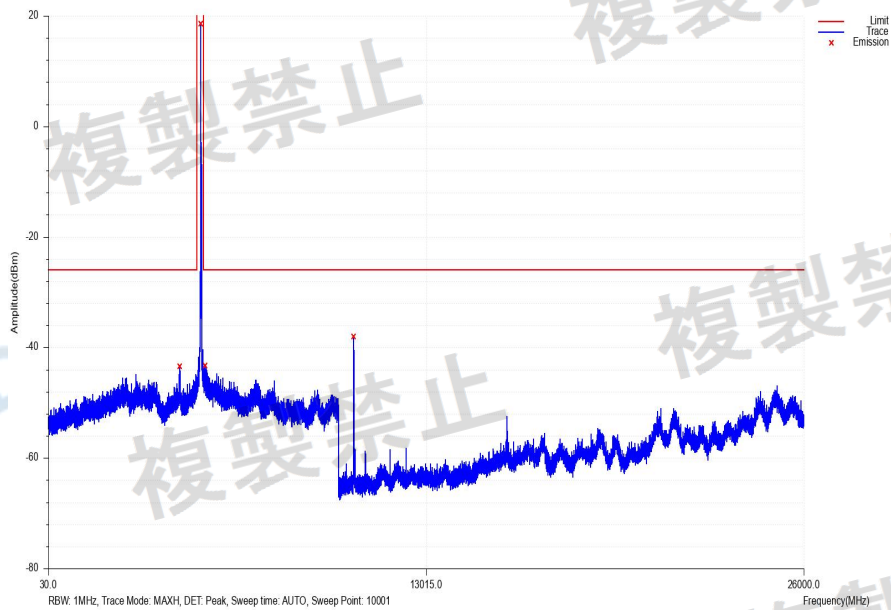
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In band Spurious Emission



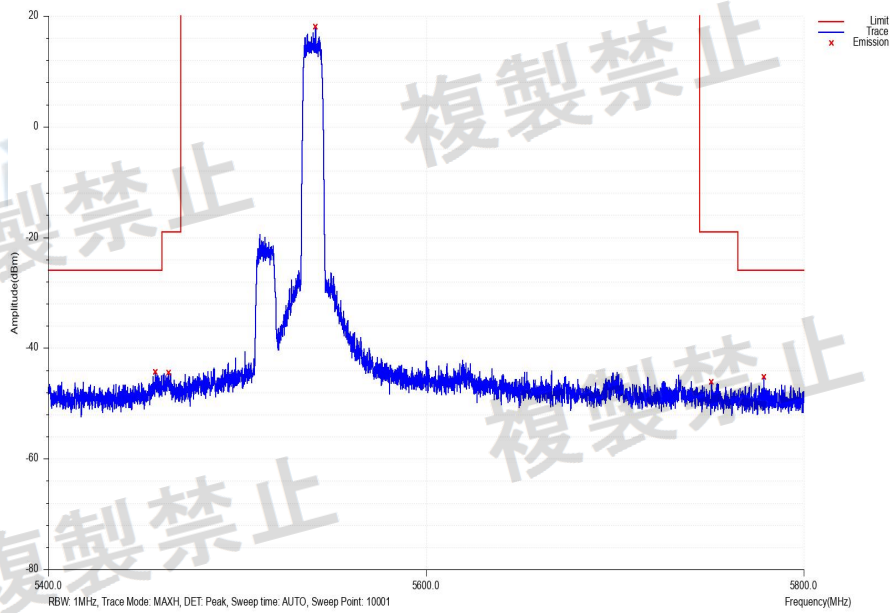
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In band Spurious Emission



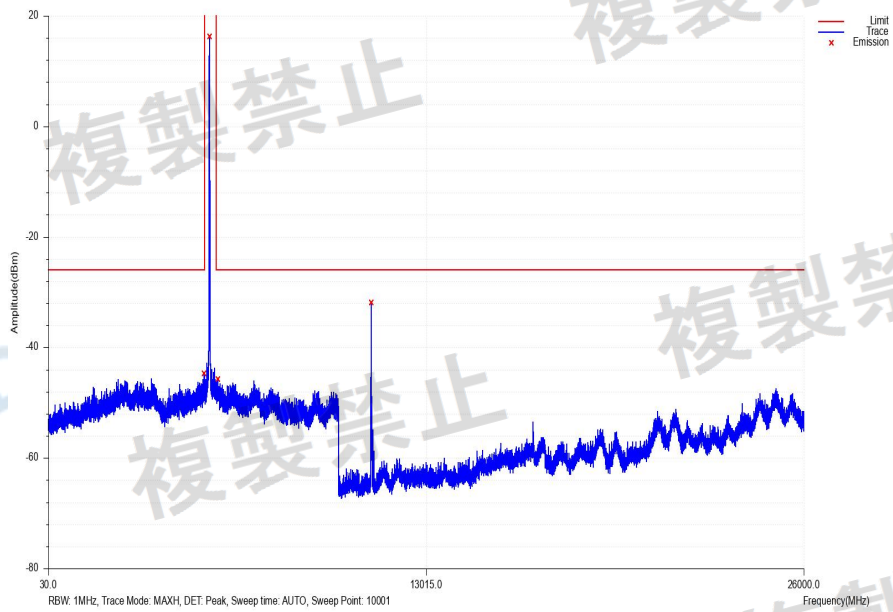
In_band_NVNT_ANT2_802_11a_5540

In band Spurious Emission



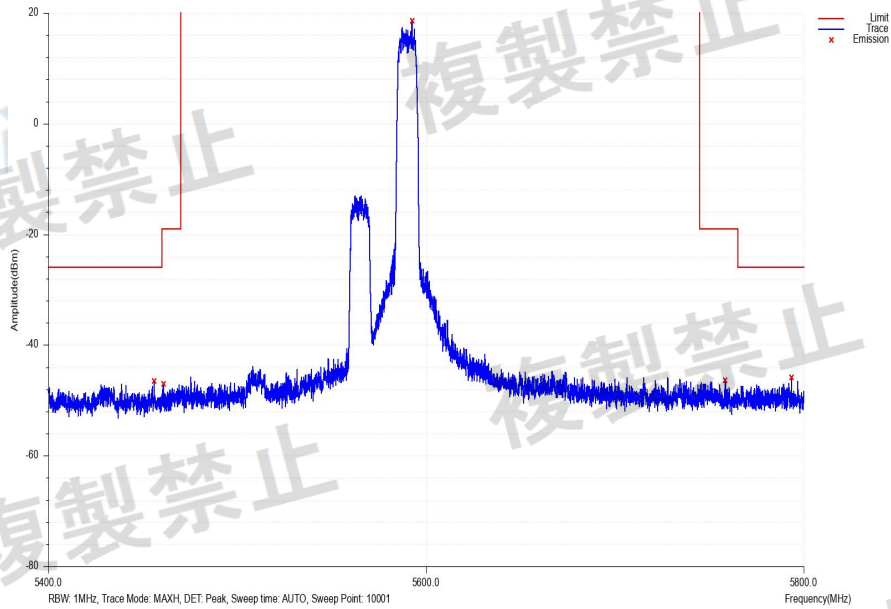
Out_of_band_NVNT_ANT2_802_11a_5540

In band Spurious Emission



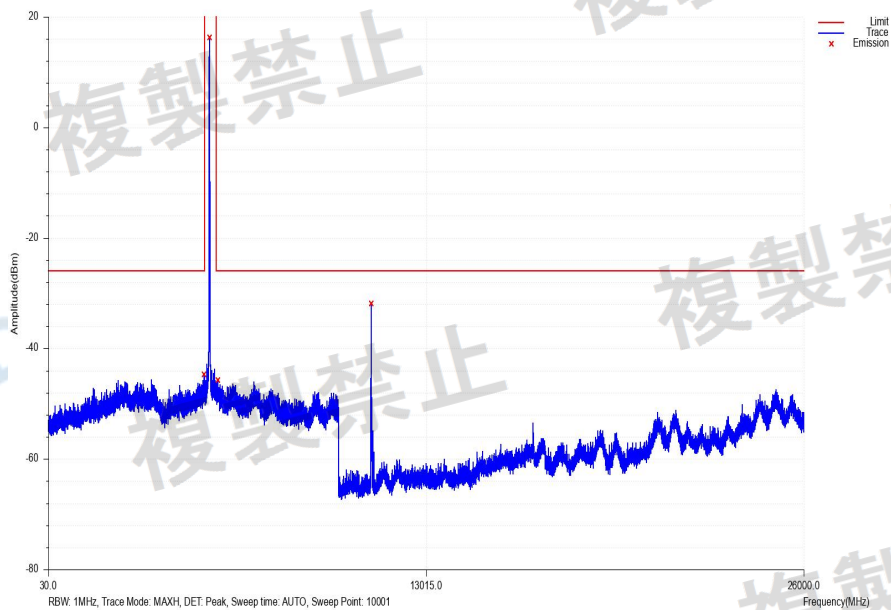
In_band_NVNT_ANT2_802_11a_5590

In band Spurious Emission



Out_of_band_NVNT_ANT2_802_11a_5590

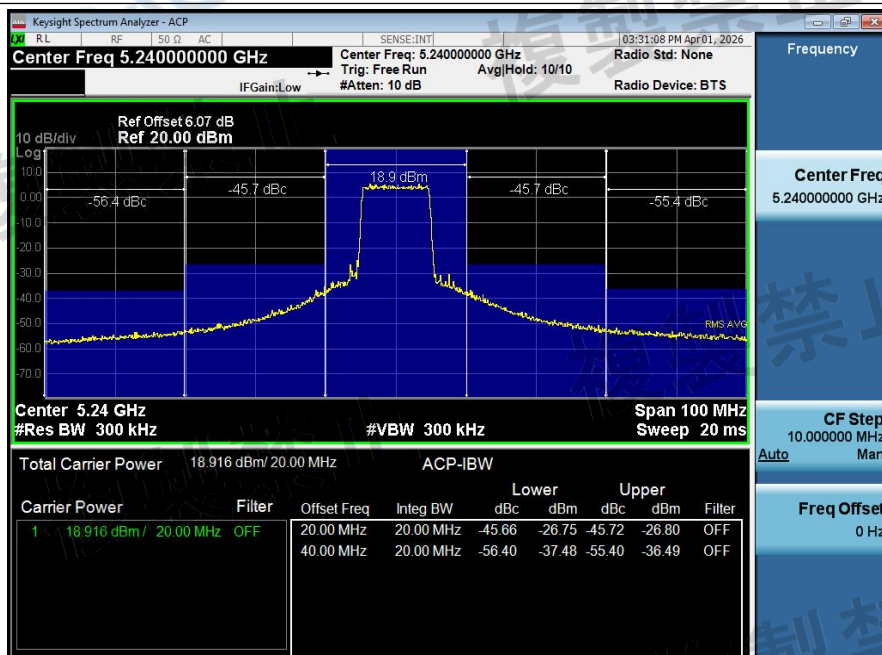
In band Spurious Emission



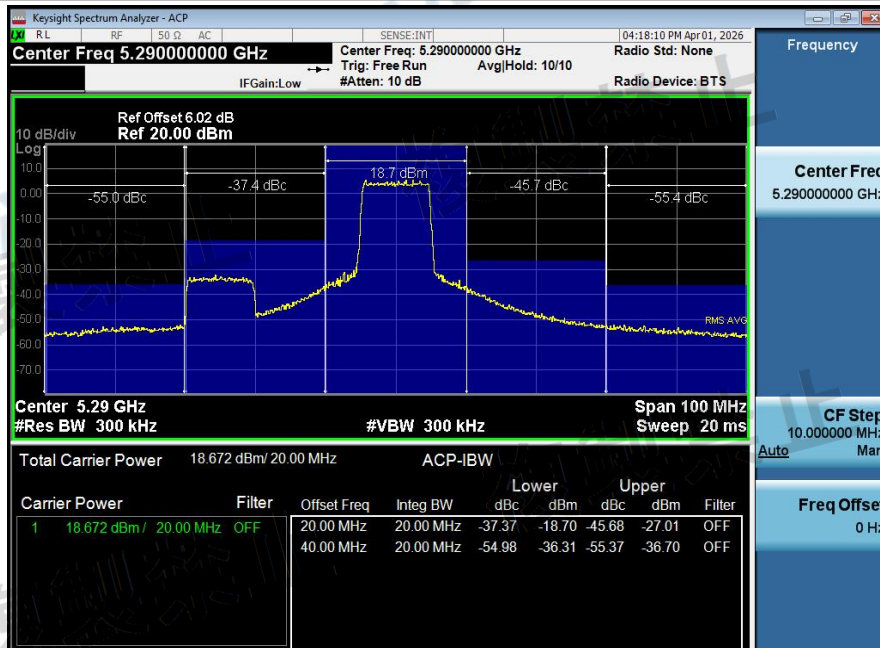
6. ACP Measure

Condition	Antenna	Mode	Frequency(MHz)	Frequency Offset(MHz)	Lower Level(dBc)	Upper Level(dBc)	Limit(dBc)	Result
NVNT	ANT1	802.11a	5240.00	20MHz	-45.66	-45.72	-25	Pass
NVNT	ANT1	802.11a	5240.00	40MHz	-56.40	-55.40	-40	Pass
NVNT	ANT1	802.11a	5290.00	20MHz	-37.37	-45.68	-25	Pass
NVNT	ANT1	802.11a	5290.00	40MHz	-54.98	-55.37	-40	Pass
NVNT	ANT2	802.11a	5540.00	20MHz	-35.83	-45.91	-25	Pass
NVNT	ANT2	802.11a	5540.00	40MHz	-55.68	-55.30	-40	Pass
NVNT	ANT2	802.11a	5590.00	20MHz	-29.06	-45.80	-25	Pass
NVNT	ANT2	802.11a	5590.00	40MHz	-55.06	-55.19	-40	Pass

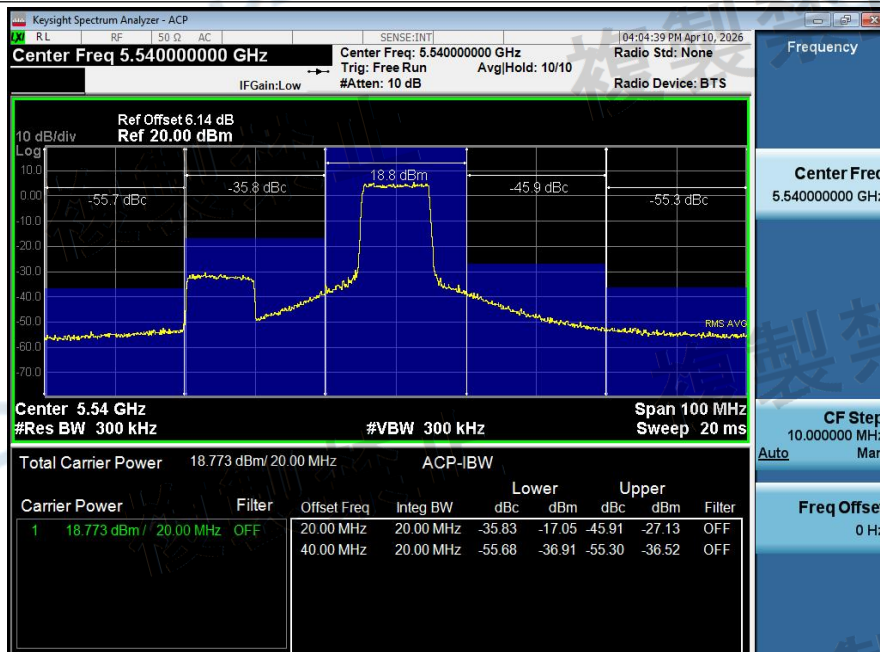
ACP_Measure_NVNT_ANT1_802_11a_5240



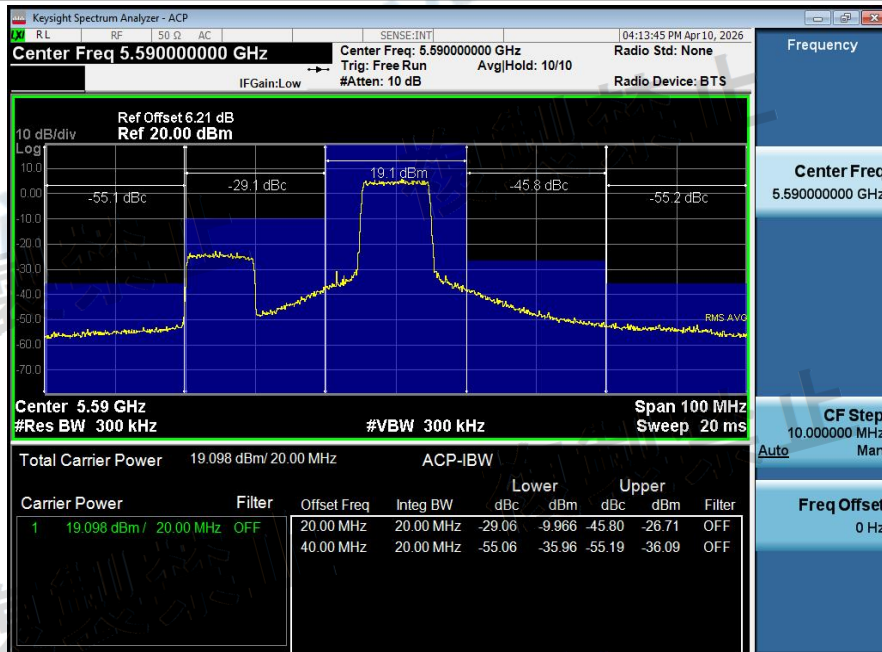
ACP_Measure_NVNT_ANT1_802_11a_5290



ACP_Measure_NVNT_ANT2_802_11a_5540_20M



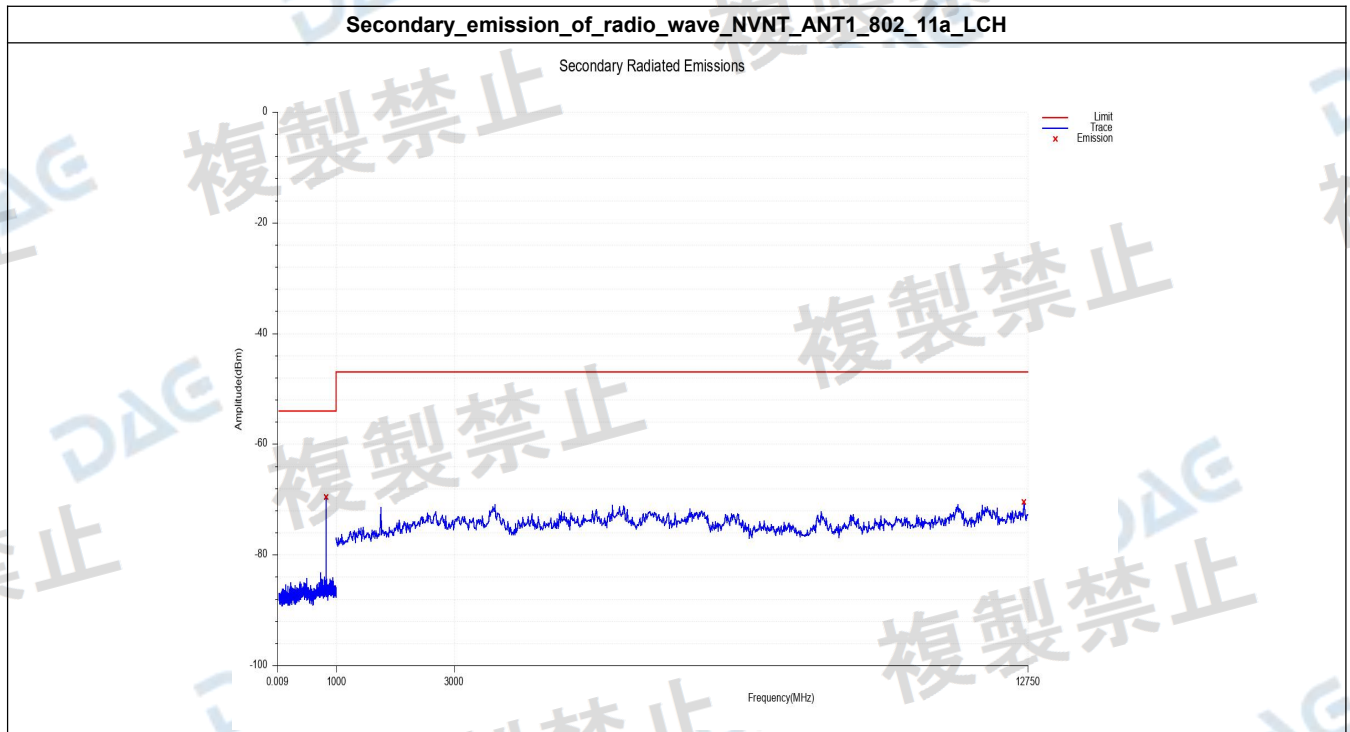
ACP_Measure_NVNT_ANT2_802_11a_5590_20M



7. Secondary emission of radio wave

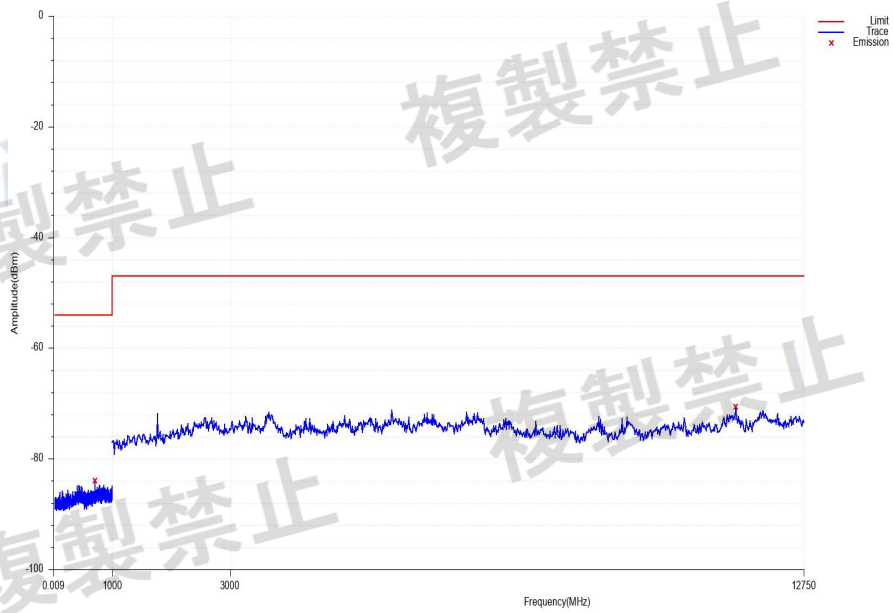
Condition	Mode	Channel	Range(MHz)	RBW(kHz)	Spur. Freq.(MHz)	Spur. Lev.(dBm)	Spur. Lev	Limit	Over 1/10 Limit	Read Lev.(dBm)	Read Lev.	Result
NVNT	802.11a	5240.00	30.0~1000.0	100	824.43	-69.57	0.1103nW	4nW	NO	/	/	Pass
NVNT	802.11a	5240.00	1000.0~13000.0	1000	12688.00	-70.44	0.0903nW	20nW	NO	/	/	Pass
NVNT	802.11a	5290.00	30.0~1000.0	100	705.12	-83.90	0.0040nW	4nW	NO	/	/	Pass
NVNT	802.11a	5290.00	1000.0~13000.0	1000	11596.00	-70.59	0.0873nW	20nW	NO	/	/	Pass
NVNT	802.11a	5540.00	30.0~1000.0	100	383.08	-83.94	0.0040nW	4nW	NO	/	/	Pass
NVNT	802.11a	5540.00	1000.0~13000.0	1000	12136.00	-70.04	0.0990nW	20nW	NO	/	/	Pass
NVNT	802.11a	5590.00	30.0~1000.0	100	817.64	-84.22	0.0037nW	4nW	NO	/	/	Pass
NVNT	802.11a	5590.00	1000.0~13000.0	1000	5836.00	-70.84	0.0825nW	20nW	NO	/	/	Pass

Secondary_emission_of_radio_wave_NVNT_ANT1_802_11a_LCH



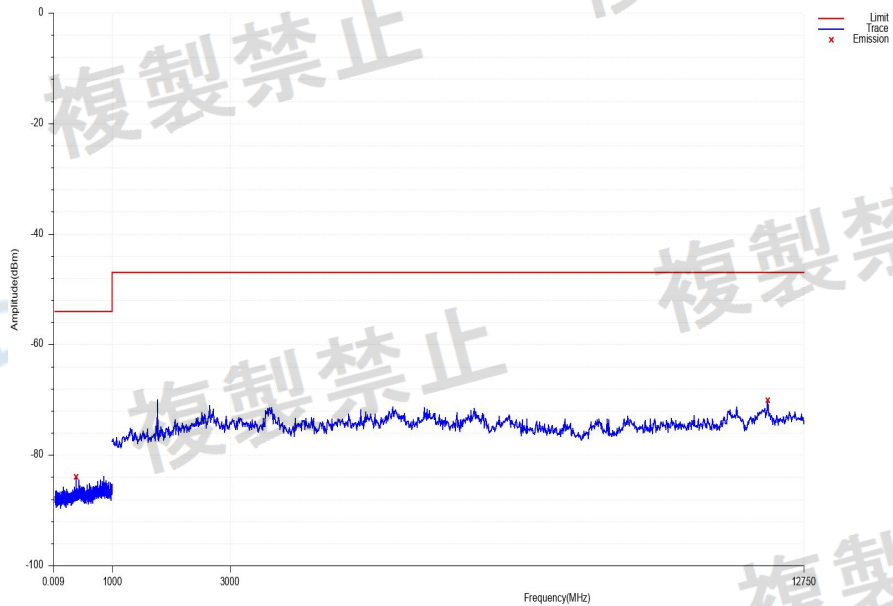
Secondary_emission_of_radio_wave_NVNT_ANT1_802_11a_HCH

Secondary Radiated Emissions



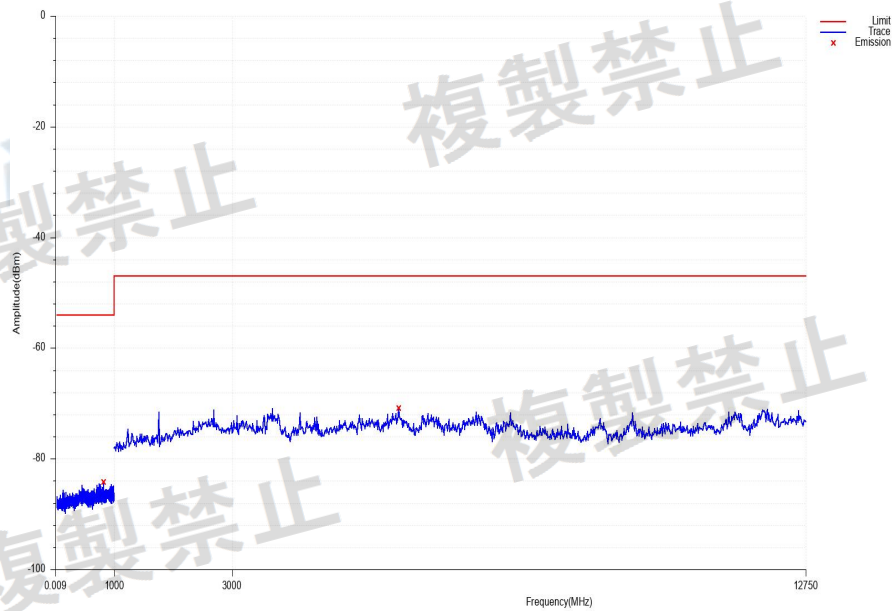
Secondary_emission_of_radio_wave_NVNT_ANT2_802_11a_LCH

Secondary Radiated Emissions



Secondary_emission_of_radio_wave_NVNT_ANT2_802_11a_HCH

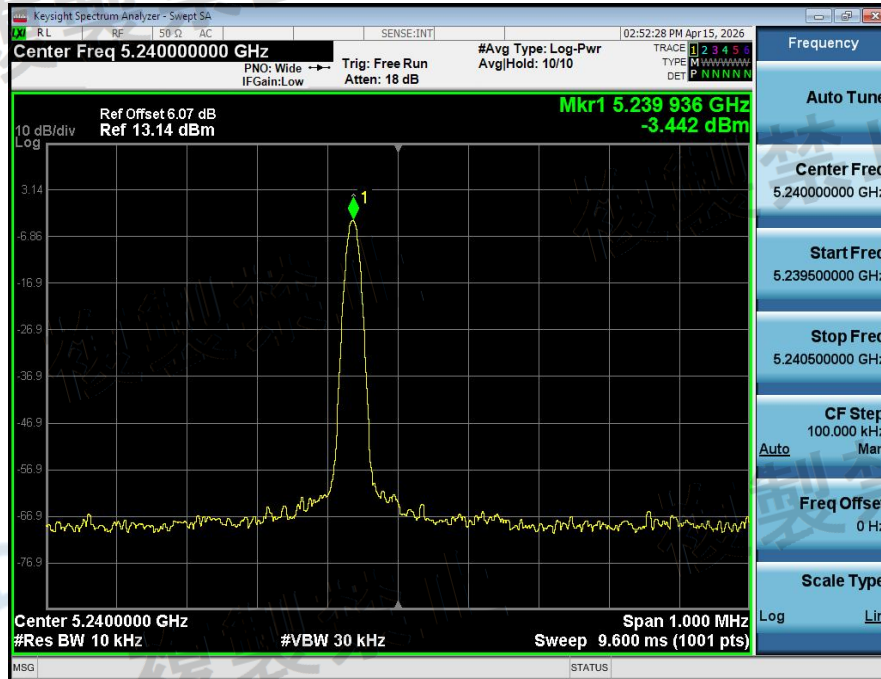
Secondary Radiated Emissions



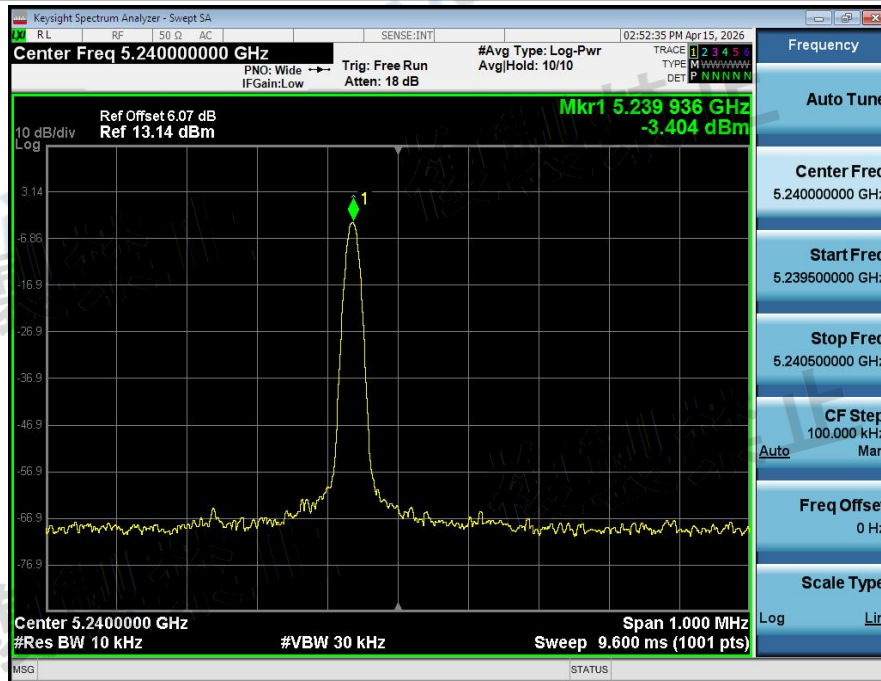
8. Frequency Tolerance

Condition	Antenna	Modulation	Frequency (MHz)	Test Frequency(MHz)	Frequency Tolerance(ppm)	Limit(ppm)	Result
NTNV	ANT1	802.11a	5240.00	5239.936	-12.214	±20	Pass
NTLV	ANT1	802.11a	5240.00	5239.936	-12.214	±20	Pass
NTHV	ANT1	802.11a	5240.00	5239.936	-12.214	±20	Pass
NTNV	ANT1	802.11a	5290.00	5289.929	-13.422	±20	Pass
NTLV	ANT1	802.11a	5290.00	5289.929	-13.422	±20	Pass
NTHV	ANT1	802.11a	5290.00	5289.929	-13.422	±20	Pass
NTNV	ANT2	802.11a	5540.00	5539.924	-13.718	±20	Pass
NTLV	ANT2	802.11a	5540.00	5539.924	-13.718	±20	Pass
NTHV	ANT2	802.11a	5540.00	5539.924	-13.718	±20	Pass
NTNV	ANT2	802.11a	5590.00	5589.922	-13.953	±20	Pass
NTLV	ANT2	802.11a	5590.00	5589.922	-13.953	±20	Pass
NTHV	ANT2	802.11a	5590.00	5589.922	-13.953	±20	Pass

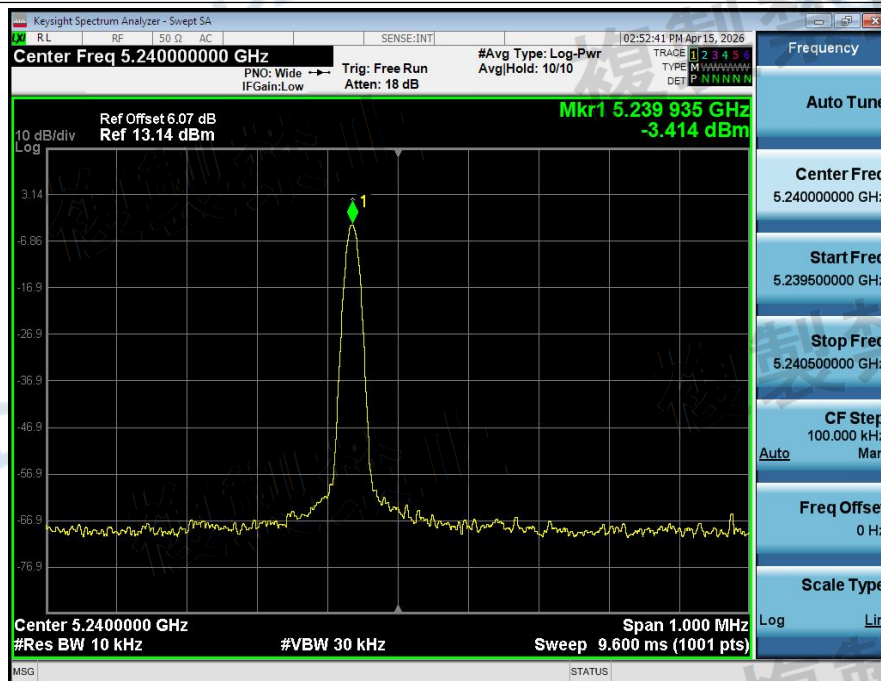
Frequency_Tolerance_NTNV_ANT1_802_11a_5240_20M



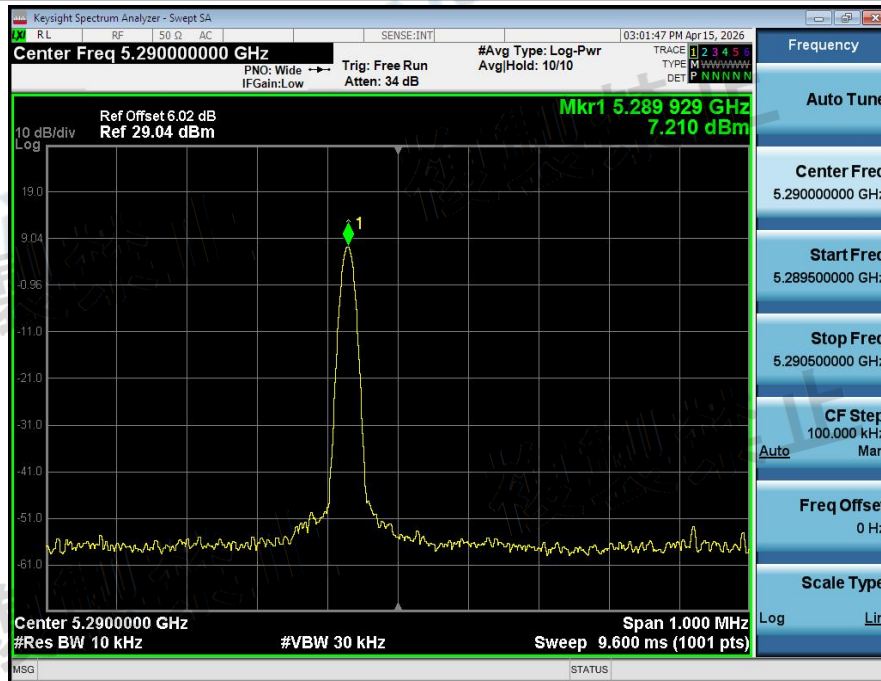
Frequency_Tolerance_NTLV_ANT1_802_11a_5240_20M



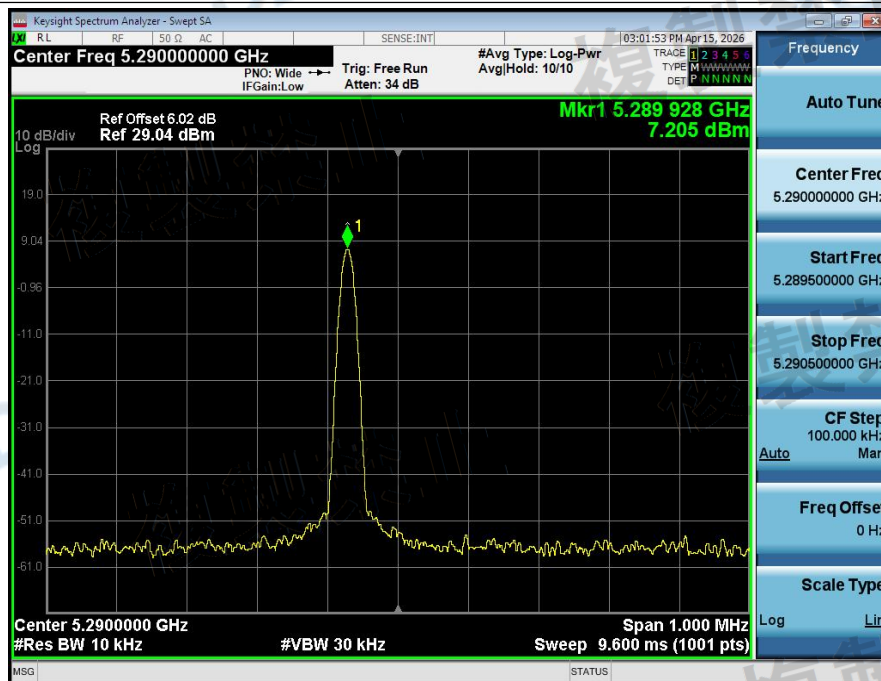
Frequency_Tolerance_NTHV_ANT1_802_11a_5240_20M



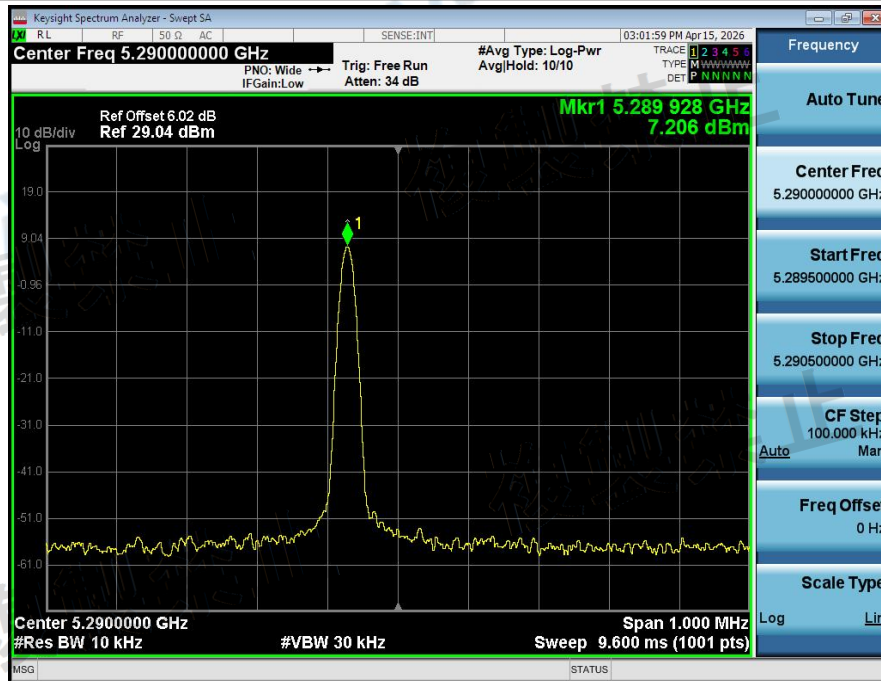
Frequency_Tolerance_NTNV_ANT1_802_11a_5290_20M



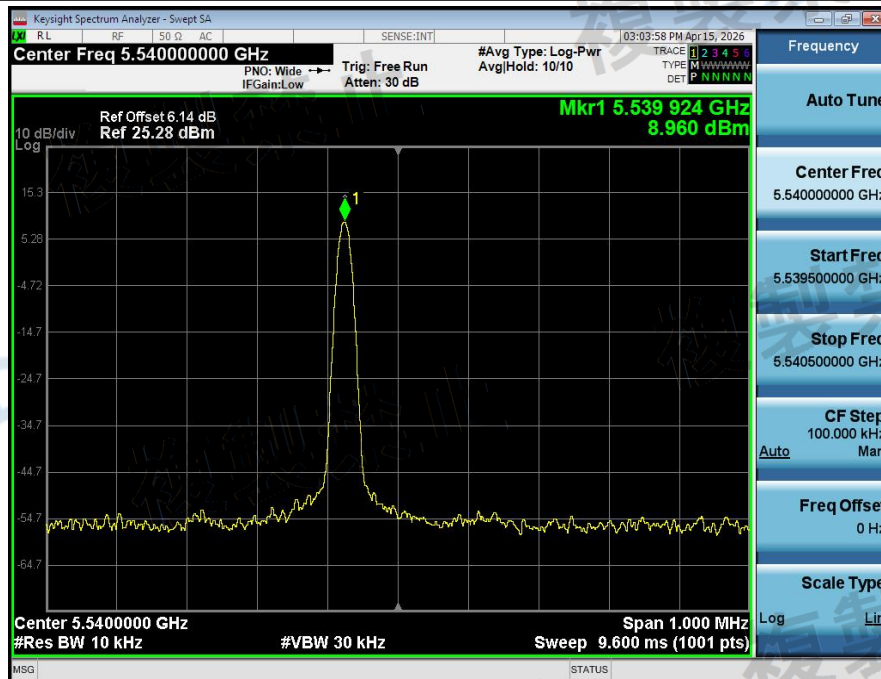
Frequency_Tolerance_NTLV_ANT1_802_11a_5290_20M



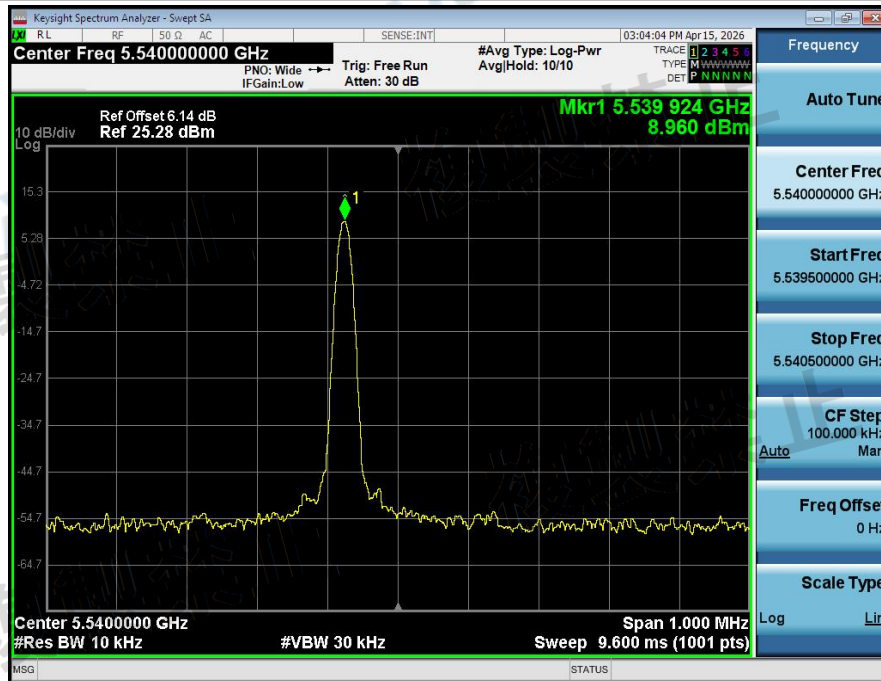
Frequency_Tolerance_NTHV_ANT1_802_11a_5290_20M



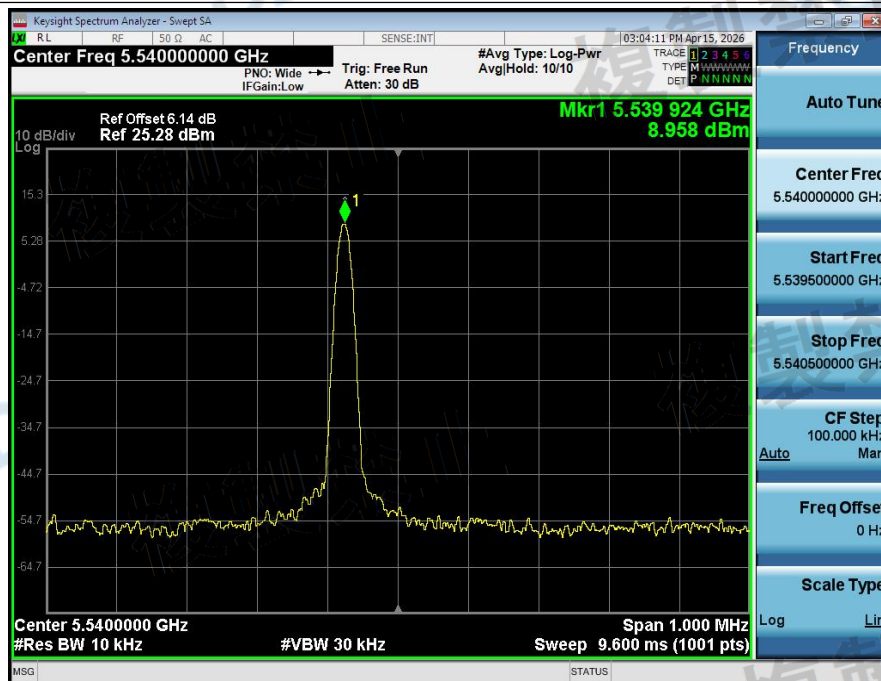
Frequency_Tolerance_NTNV_ANT2_802_11a_5540_20M



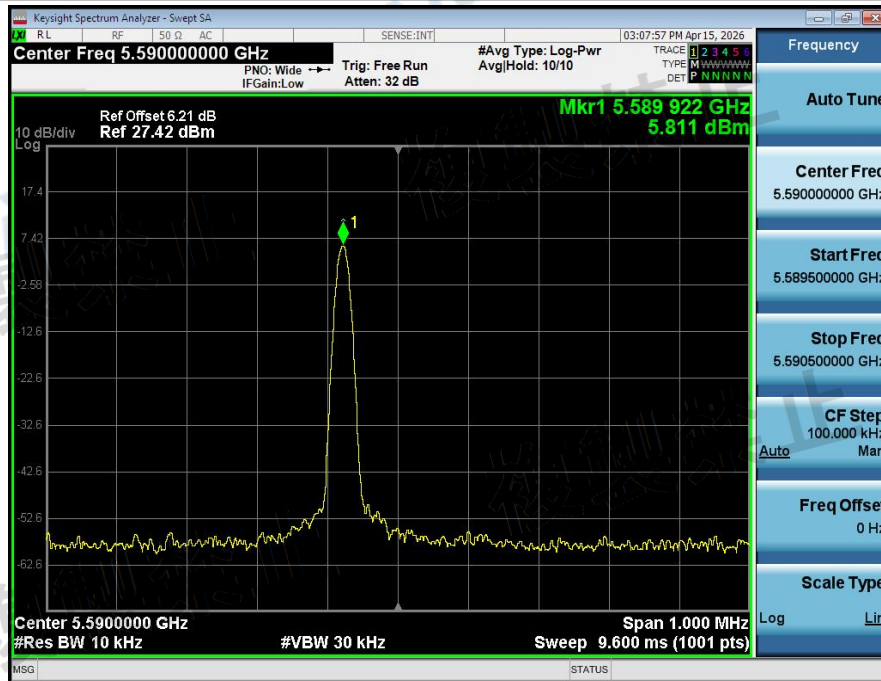
Frequency_Tolerance_NTLV_ANT2_802_11a_5540_20M



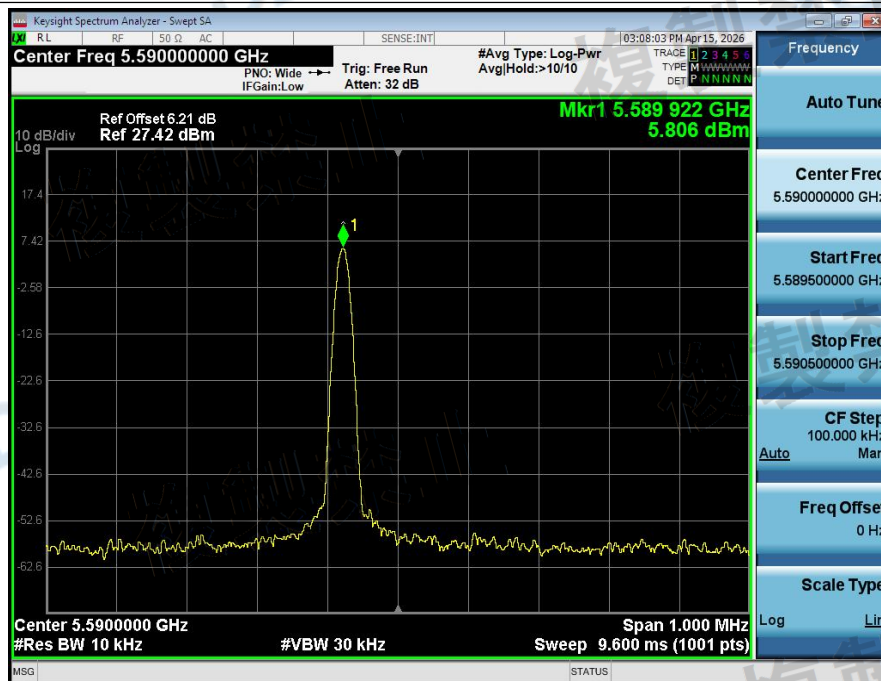
Frequency_Tolerance_NTHV_ANT2_802_11a_5540_20M



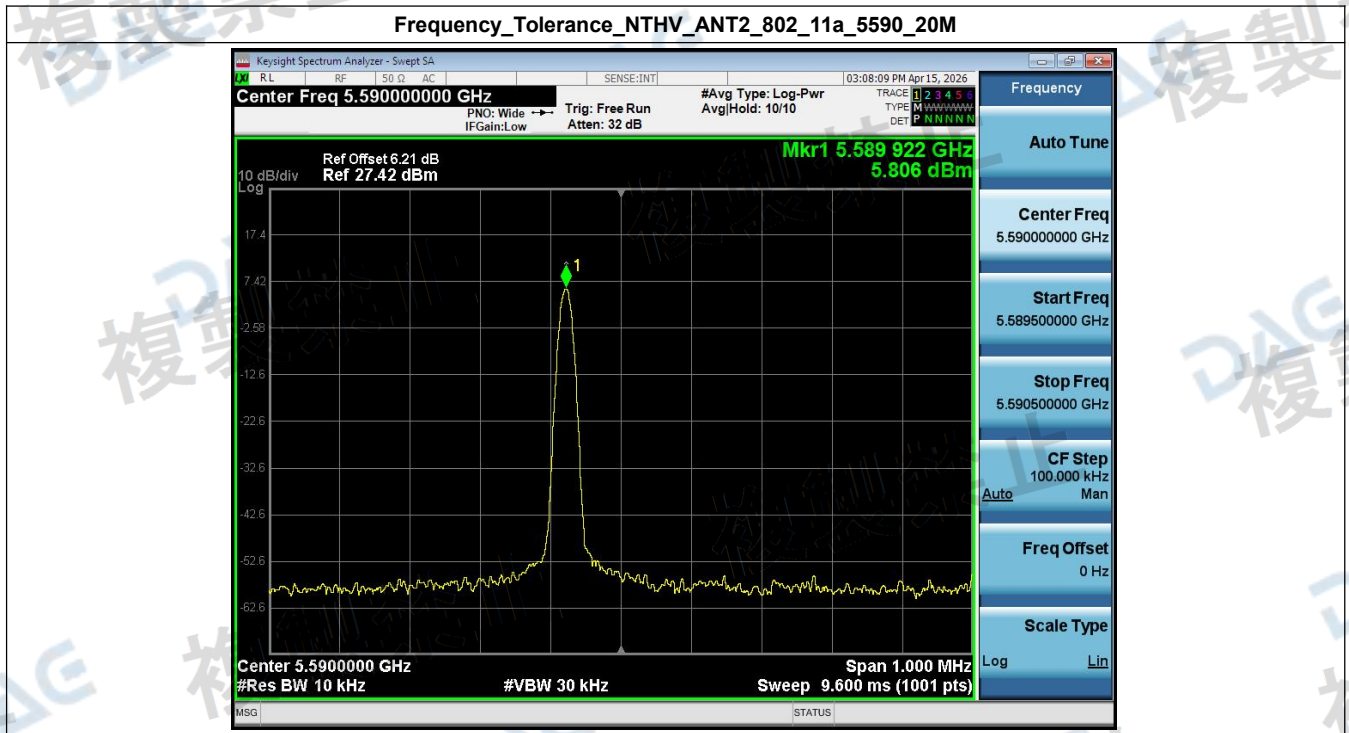
Frequency_Tolerance_NTNV_ANT2_802_11a_5590_20M



Frequency_Tolerance_NTLV_ANT2_802_11a_5590_20M



Frequency_Tolerance_NTHV_ANT2_802_11a_5590_20M



***** End of Report *****