



Radio Test Report

Report No.:STS2606016W03

Issued for

Ying Shidai Zhi Neng Technology (Shenzhen)Co., Ltd.

No. 301, Block 8, Huafeng Science and Technology Park,
Fengtan Avenue, Tangwei Community, Fuhai Street, Bao'an
District, Shenzhen City, Guangdong, China

Product Name: Projector

Brand Name: N/A

Model Name: F200

Series Model(s): E200

Test Standards: Article 2 Paragraph 1 of Item 19-3
Notice No.88 Appendix No.45

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**TEST REPORT**

Applicant's Name: Ying Shidai Zhi Neng Technology (Shenzhen)Co., Ltd.
Address.....: No. 301, Block 8, Huafeng Science and Technology Park, Fengtan Avenue, Tangwei Community, Fuhai Street, Bao'an District, Shenzhen City, Guangdong, China

Manufacturer's Name: Ying Shidai Zhi Neng Technology (Shenzhen)Co., Ltd.
Address.....: No. 301, Block 8, Huafeng Science and Technology Park, Fengtan Avenue, Tangwei Community, Fuhai Street, Bao'an District, Shenzhen City, Guangdong, China

Test Specification:

Standard.....: Article 2 Paragraph 1 of Item 19-3

Product Description

Product Name: Projector

Brand Name: N/A

Model Name: F200

Series Model(s): E200

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Testing.....:

Date of receipt of test item: 24 Oct. 2025

Date (s) of performance of tests.....: 24 Oct. 2025~ 06 Nov. 2025

Date of Issue.....: 08 June 2026

Test Result: **Pass**

Testing Engineer:

(Aaron Bu)

Technical Manager:

(Skylar Li)

Authorized Signatory:

(Bovey Yang)





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**Revision History**

Rev.	Issue Date	Report No.	Effect Page	Contents
00	08 June 2026	STS2606016W03	ALL	Initial Issue



1. SUMMARY OF TEST RESULTS

Ordinance Regulating Radio Equipment	Description of Test	Remark
Article 5	Frequency Error	PASS
Article 6	Occupied Bandwidth (99%)	PASS
Article 7	Unwanted Emission Intensity	PASS
Article 14	Antenna Power Error	PASS
Article 24.2	Limitation of Collateral Emission of Receiver	PASS
Article 49-20	High Frequency/modulation section cannot be opened easily	PASS
Article 49-20	Communication Method	PASS
Article 49-20	Modulation method	PASS
Article 49-20	Signal transmission rate	PASS
Article 49-20	Burst Length	PASS
Article 49-20	Isotropically radiated power	PASS
Article 49-20	Adjacent channel power tolerance	PASS
Article 5	Interference prevention function	PASS
Article 6	Carrier sense capability	PASS
Article 7	Number of carrier	PASS
Article 49-20	Dynamic Frequency Selection	N/A

NOTE:

- (1) "N/A" denotes test is not applicable in this test report.
- (2) Article 2 Paragraph 1 of Item 19-3.
- (3) This device has more than 1 subcarrier in 1MHz, compliances with the requirement.



1 TEST FACTORY

SHENZHEN STS TEST SERVICES CO., LTD

Add.: 101, Building B, Zhuoke Science Park, No.190 Chongqing Road, ZhanChengShequ, Fuhai Sub-District, Bao'an District, Shenzhen, Guang Dong, China

FCC test Firm Registration Number: 625569

IC test Firm Registration Number: 12108A

A2LA Certificate No.: 4338.01

2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %.

No.	Item	Uncertainty
1	RF output power, conducted	$\pm 0.751\text{dB}$
2	Unwanted Emissions, conducted	$\pm 2.888\text{dB}$
3	Frequency tolerance	$\pm 0.03\text{ppm}$
4	Occupied Bandwidth	$\pm 3.6\%$
5	Transmission Burst Length	$\pm 0.7\%$
6	Adjacent channel Emitted	$\pm 0.5\text{dB}$



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF THE EUT

Product Name	Projector	
Brand Name	N/A	
Model Name	F200	
Series Model(s)	E200	
Model Difference	Only the sales models are different, the appearance shapes are different, but the motherboard and circuit design are the same	
Product Description	The EUT is a Projector	
	Operation Frequency:	5.2G WLAN: 802.11a/n (20MHz): 5180~5240MHz 802.11n (40MHz):5190~5230MHz
	Modulation Type:	802.11a(OFDM):BPSK,QPSK,16-QAM,64-QAM 802.11n(OFDM):BPSK,QPSK,16-QAM,64-QAM
	Antenna Gain	4.05 dBi
	Based on the application, features, or specification exhibited in User Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User Manual.	
Rating	Input: AC 100-240V~50/60Hz 1.2A	
Adapter	N/A	
Battery	N/A	
Channel List	Please refer to the Note 1.	
Hardware version	Q2707 -V08	
Software version	RK11_Q2707-V8_EA6621_DymtLauncher_YingDa_Projector_Game_EN OTA_20250813_V09	

1.

Channel List for 802.11a/n20							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	40	5200	44	5220	48	5240

Channel List for 802.11n40							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
38	5190	46	5230	--	--	--	--

Note:

Regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Carrier Frequency Channel:



Channel List for 802.11a/n (20MHz)		
Frequency Band	EUT Channel	Test Frequency (MHz)
U-NII-1	CH36	5180
U-NII-1	CH40	5200
U-NII-1	CH48	5240
Channel List for 802.11 n (40MHz)		
Frequency Band	EUT Channel	Test Frequency (MHz)
U-NII-1	CH 38	5190
U-NII-1	CH46	5230

2.

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	NOTE
A		LA31H2450/5500-A33	Ceramic	N/A	4.05	WIFI Antenna



2.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively

Worst Mode	Description	Data Rate
Mode 1	TX IEEE 802.11a HT20 CH36&CH40&CH48	6 Mbps
Mode 2	TX IEEE 802.11n HT20 CH36&CH40&CH48	MCS 0
Mode 3	TX IEEE 802.11n HT40 CH38&CH46	MCS 0

2.3 TABLE FOR PARAMETERS OF THE TEST SOFTWARE SETTING

During testing, channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. the RF output power selection is for the setting of RF output power expected by the customer and going to be fixed on the firmware of the final end product.

Type	Mode Or Modulation type	ANT Gain(dBi)	Power Class	Software For Testing
U-NII-1 (5150MHz-5250MHz)	802.11a	4.05	12	CMD
	802.11n(HT20)		12	
	802.11n(HT40)		12	

2.4 TEST CONDITIONS

The WIFI module was tested while in a continuous transmitter/receiver mode. The EUT was tuned to a low, middle, and high channel for all tests. For all test case pre/scans were completed in all Modes to determine worst case levels.

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

- Temperature: 25.3°C
- Humidity: 52 %
- Atmospheric pressure: 93 kpa

Power Supply Voltage Fluctuation Test

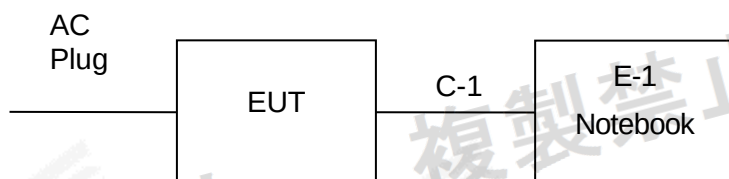
Voltage Fluctuation Test	Normal Voltage	High Voltage +10% of Normal Voltage	Low Voltage -10% of Normal Voltage
Input AC Power(V)	100	110	90
RF Chip Input DC Power(V)	3.307	3.327	3.296
Voltage Variation (%)	/	0.60	-0.33

Note:

1. Voltage Variation (%)
= (RF chip Input high or Low Voltage - RF chip Input Normal Voltage)/ RF chip Input Normal Voltage* 100
2. RF chip Input DC power fluctuation is verified at the power input PIN of the RF chip.

When the input supply voltage to the EUT from the external power source is varied by +/- 10%, the output voltage had been confirmed that the fluctuation of power supply to the RF circuit of EUT (excluding power source) is equal to or less than +/-1%, and the DC power fluctuation at the power input PIN of the RF chip is equal to or less than +/-1%.Exempt extremely high and low supply voltage condition tests, EUT only operated in normal voltage to test all regulations.

2.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED





2.6 DESCRIPTION OF NECESSARY ACCESSORIES AND 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.

Item	Equipment	Mfr/Brand	Model/Type No.	Note
E-1	Notebook	DELL	Inspiron 3501	N/A
C-1	USB Cable	ZTC	NB-A515A	N/A

Item	Equipment	Mfr/Brand	Length	Note
C-1	Shielded	NO	100cm	N/A

Note:1. For detachable type I/O cable should be specified the length in cm in 『Length』 column.



2.7 EQUIPMENTS LIST

RF Connected Test Equipment					
Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
Signal Generator	Keysight	N5182B	MY57301448	2025.09.26	2026.09.25
Signal Analyzer	Agilent	N9020A	MY51510623	2025.02.22	2026.02.21
Temperature & Humidity	SW-108	SuWei	N/A	2025.02.24	2026.02.23
Digital Oscilloscope	Tektronix	TDS1012B	C062149	2025.09.22	2026.09.21
Power Sensor	Keysight	U2021XA	MY56120038	2025.09.25	2026.09.24
Power Divider	eastsheep	PD-0.5/0.6-2 S	B519	2025.02.25	2026.02.24
Attenuator	Agilent	8494B	DC-18G	2025.02.25	2026.02.24
DC power supply	HONGSHEN GFENG	DPS-305AF	17064939	2025.09.22	2026.09.21
Switch control box	MW	MW100-RFC B	N/A	N/A	N/A
Test SW	MW	MTS 8310 2.0.0.0			

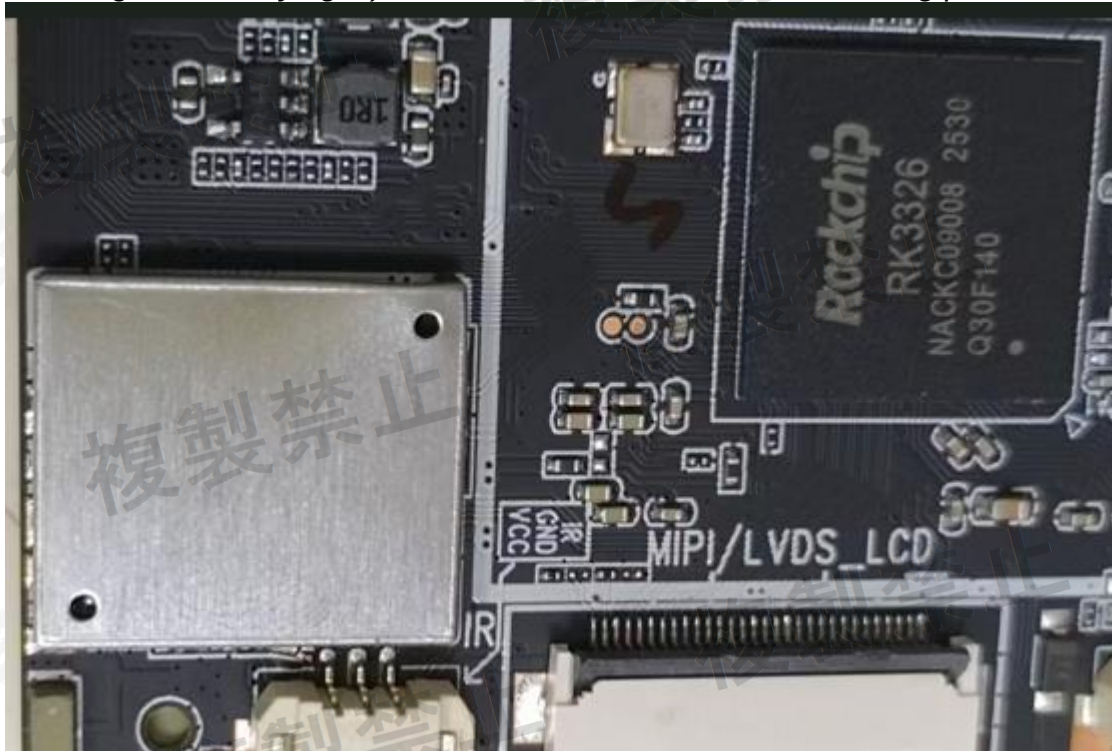
Test Equipment Calibration

All of the test equipment is effective use and calibration certification institution, GRGT, the address is 163 tianhe district in huangpu road xiping cloud road .Guangzhou, China

Note: The calibration agency listed on the table corresponds to item ii c) of Article 24-2 paragraph 4.

3. CONSTRUCTION PROTECTION CONFIRMATION

Our products apply for Japanese radio frequency (rf) certification. We use the following methods to prevent unauthorized access and modification of RF and modulation parts. The high-frequency section and modulation section use SMT technology, not easy to change. (This wireless module uses a shielding cover to prevent users from disassembling and modifying it.) For more information, see the following photo.



4. FREQUENCY ERROR

4.1 LIMIT

Item	Limits
Frequency Error	$\pm 20\text{ppm}$

4.2 TEST PROCEDURES

The following table is the setting of Spectrum Analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
RB / VB	10KHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

- (1) In the case of unmodulated signal (continuous or continuous burst), measure the frequency directly by a spectrum analyzer.
- (2) In the case of burst waves, the measurement shall be done for enough time in order to obtain the enough measuring accuracy, and the average of the measured values becomes the final value.
- (3) In the case of a test mode with a specific frequency spectrum, measure the frequency of the specific spectrum by a spectrum analyzer.
- (4) In the cases above, if the frequency equivalent to the test frequency is not directly measured in principle, it shall be obtained by necessary calculation.

In the case of modulated signal, if there is no specific spectrum measurable by a spectrum analyzer but a specific dip is observed, it is allowed to measure the frequency with the signal generator (synthesized). That is, observe a signal of the signal generator concurrently (or alternately) with the tested signal using the spectrum analyzer while setting the frequency of the signal generator to the position of the dip on the screen of the spectrum analyzer, and determine the frequency of the signal generator at the time as a measured value.

4.3 TEST SETUP



4.4 EUT OPERATION DURING TEST

The EUT was placed on the test table and programmed in un-modulation function.

4.5 TEST RESULT

Note: The test data please reference to attachment "STS2606016W03 _Appendix 5G WIFI".



5. ANTENNA POWER

5.1 LIMIT

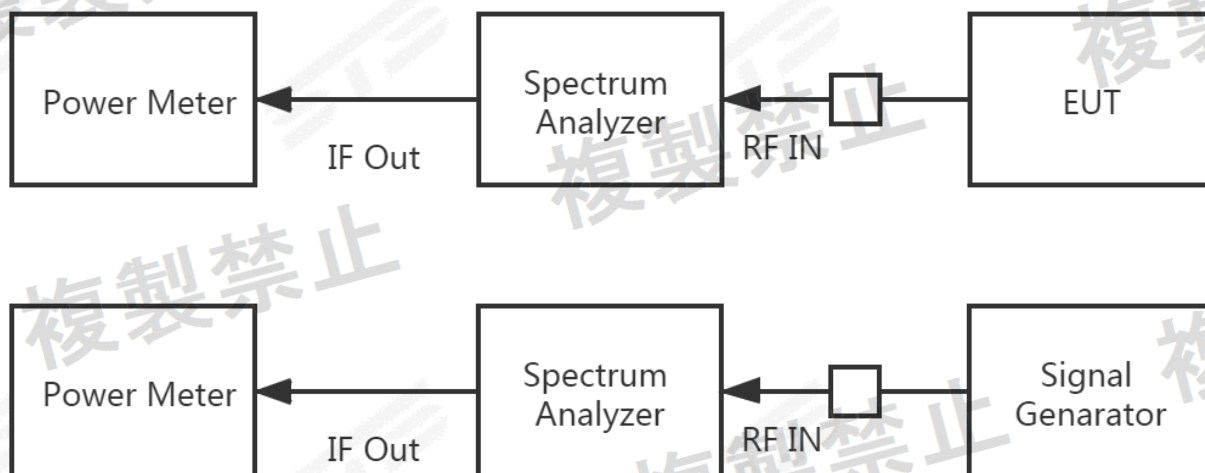
Item	Operation Band	Limits		
		20MHz system	40MHz system	80MHz system
Antenna Power	W52/W53	10mW/MHz or less	5mW/MHz or less	2.5mW/MHz or less
	W56	10mW/MHz or less	5mW/MHz or less	2.5mW/MHz or less
Radiation Power EIRP	W52	10mW/MHz or less	5mW/MHz or less	2.5mW/MHz or less
	W53	10mW/MHz or less:with TPC 5mW/MHz or less:without TPC	5mW/MHz or less:with TPC 2.5mW/MHz or less:without TPC	2.5mW/MHz or less:with TPC 1.25mW/MHz or less:without TPC
	W56	50mW/MHz or less:with TPC 25mW/MHz or less:without TPC	25mW/MHz or less:with TPC 12.5mW/MHz or less:without TPC	12.5mW/MHz or less:with TPC 6.25mW/MHz or less:without TPC
Antenna Power Error	W52/W53	+20%, -80% (Base on manufacturer declare Antenna power density)		
	W56	+50%, -50% (Base on manufacturer declare Antenna power density)		

5.2 TEST PROCEDURE

1. A power meter is connected on the IF output port of the spectrum analyzer.
2. EUT turn to test frequency channel and keep continuous transmitting.
3. Connected the equipment to be measured. Using the following settings of the spectrum analyzer in combination with "max hold" function, find the frequency of highest power output in the power envelope: center frequency equal to operation frequency; RBW & VBW: 1 MHz; detector mode: positive peak; averGaing: off; span: 3 times the spectrum width; amplitude: adjust for middle of the instrument' range.
4. Reading the output power from the Power meter as PEUT.
5. Turn the Signal generator to frequency channel the same as the EUT.
6. Using the following settings of the spectrum analyzer in combination with "max hold" function, find the frequency of highest power output in the power envelope: center frequency equal to operation frequency; RBW & VBW: 1 MHz; detector mode: positive peak; averGaing: off; span: 3 times the spectrum width; amplitude: adjust for middle of the instrument' range.
7. Turn the level of Signal generator, scan with the power meter until the power equal to PEUT, the level of Signal generator recorded as "P"
8. The antenna power of EUT is "P".
9. EIRP power="P"+antenna gain.



5.3 TEST SETUP



5.4 TEST DEVIATION

There is no deviation with the original standard.

5.5 TEST RESULT

Note: The test data please reference to attachment “STS2606016W03 _Appendix 5G WIFI”.

6. OCCUPIED BANDWITH

6.1 LIMIT

Item	Operation Band	Limits		
		20MHz system	40MHz system	80MHz system
Occupied BandWidth:	W52	$\leq 20\text{MHz}$	$\leq 40\text{MHz}$	$\leq 80\text{MHz}$
	W53	$\leq 20\text{MHz}$	$\leq 40\text{MHz}$	$\leq 80\text{MHz}$
	W56	$\leq 20\text{MHz}$	$\leq 40\text{MHz}$	$\leq 80\text{MHz}$

6.2 TEST PROCEDURES

- Setting of SA is following as: RB: 300KHz / VB:300KHz / SPAN: 40/80/160MHz
Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Positive peak / Trace mode: Max hold.
- EUT have transmitted the maximum modulation signal and fixed channelize (For DSSS or OFDM Device) or continuous maximum power of hopping mode(For FHSS Device).
SA set to 99% of occupied bandwidth to measure occupied bandwidth.



6.3 TEST DEVIATION

There is no deviation with the original standard.

6.4 EUT OPERATION DURING TEST

The EUT was programmed to be in continuously transmitting mode.

6.5 TEST RESULT

Note: The test data please reference to attachment "STS2606016W03 _Appendix 5G WIFI".



7. UNWANTED EMISSION STRENGTH

7.1 LIMIT

	Bandwidth(MHz)		Measured Frequency Range	Limit
W52	20	OBW $\leq$ 18MHz	5142.0 MHz or less	2.5 μ W/MHz
			5142.0 ~ 5150.0 MHz	15.0 μ W/MHz
			5250.0 ~ 5251.0 MHz	$10.0^{1-(f-9)}$ mW/MHz
			5251.0 ~ 5260.0 MHz	$10.0^{1-(8/90)(f-11)}$ mW/MHz
			5260.0 ~ 5266.7 MHz	$10.0^{1.8-(6/50)(f-20)}$ mW/MHz
			5266.7 MHz or more	2.5 μ W/MHz
		OBW:18-20M Hz	5142.0 MHz or less	2.5 μ W/MHz
			5142.0 ~ 5150.0 MHz	15.0 μ W/MHz
			5250.0 ~ 5250.2 MHz	$10^{1-(8/3)(f-9.75)}$ mW/MHz
			5250.2 ~ 5251.0 MHz	$10.0^{1-(f-9)}$ mW/MHz
			5251.0 ~ 5260.0 MHz	$10.0^{1-(8/90)(f-11)}$ mW/MHz
			5260.0 ~ 5266.7 MHz	$10.0^{1.8-(6/50)(f-20)}$ mW/MHz
			5266.7 MHz or more	2.5 μ W/MHz
	40		5141.6 MHz or less	2.5 μ W/MHz
			5141.6 ~ 5150.0 MHz	15.0 μ W/MHz
			5250.0 ~ 5251.0 MHz	$10.0^{-(f-20)+\log(1/2)}$ mW/MHz
			5251.0 ~ 5270.0 MHz	$10.0^{-(8/190)(f-21)-1+\log(1/2)}$ mW/MHz
			5270.0 ~ 5278.4 MHz	$10.0^{-(3/50)(f-40)-1.8+\log(1/2)}$ mW/MHz
			5278.4 MHz or more	2.5 μ W/MHz
	80		5123.2 MHz or less	2.5 μ W/MHz
			5,123.2 - 5,150 MHz	15.0 μ W/MHz
			5,250 - 5,251 MHz	$10.0^{-(f-40)+\log(1/4)}$ mW/MHz
			5,251 - 5,290 MHz	$10.0^{-(8/390)(f-41)-1+\log(1/4)}$ mW/MHz
			5,290 - 5,296.7 MHz	$10.0^{-(3/100)(f-80)-1.8+\log(1/4)}$ mW/MHz
			5296.7 MHz or more	2.5 μ W/MHz



	Bandwidth(MHz)	Measured Frequency Range	Limit
W53	20	5233.3 MHz or less	2.5 μ W/MHz
		5233.3 ~ 5240.0 MHz	$10.0^{-1.8-(6/50)(f-20)}$ mW/MHz
		5240.0 ~ 5249.0 MHz	$10.0^{-1-(8/90)(f-11)}$ mW/MHz
		5249.0 ~ 5250.0 MHz	$10.0^{1-(f-9)}$ mW/MHz
		5350.0 MHz or more	2.5 μ W/MHz
	OBW:18-20MHz	5233.3 MHz or less	2.5 μ W/MHz
		5233.3 ~ 5240.0 MHz	$10.0^{-1.8-(6/50)(f-20)}$ mW/MHz
		5240.0 ~ 5249.0 MHz	$10.0^{-1-(8/90)(f-11)}$ mW/MHz
		5249.0 ~ 5249.8 MHz	$10.0^{1-(f-9)}$ mW/MHz
		5249.8 ~ 5250.0 MHz	$10^{1-(8/3)(f-9.75)}$ mW/MHz
		5350.0 MHz or more	2.5 μ W/MHz
	40	5221.6 MHz or less	2.5 μ W/MHz
		5221.6 ~ 5230.0 MHz	$10.0^{-(3/50)(f-40)-1.8+\log(1/2)}$ mW/MHz
		5230.0 ~ 5249.0 MHz	$10.0^{-(8/190)(f-21)-1+\log(1/2)}$ mW/MHz
		5249.0 ~ 5250.0 MHz	$10.0^{-(f-20)+\log(1/2)}$ mW/MHz
		5350.0 ~ 5358.4 MHz	15 μ W/MHz
		5358.4 MHz or more	2.5 μ W/MHz
	80	5203.3 MHz or less	2.5 μ W/MHz
		5203.3 ~ 5210.0 MHz	$10.0^{-(3/100)(f-80)-1.8+\log(1/4)}$ mW/MHz
		5210.0 ~ 5249.0 MHz	$10.0^{-(8/390)(f-41)-1+\log(1/4)}$ mW/MHz
		5249.0 ~ 5250.0 MHz	$10.0^{-(f-40)+\log(1/4)}$ mW/MHz
		5350.0 ~ 5376.8 MHz	15 μ W/MHz
		5376.8 MHz or more	2.5 μ W/MHz

	Bandwidth(MHz)	Measured Frequency Range	Limit
W56	20	5460 MHz or less	2.5 μ W/MHz
		5460.0 ~ 5470.0 MHz	12.5 μ W/MHz
		5745.0 ~ 5765.0 MHz	12.5 μ W/MHz
		Over 5765 MHz	2.5 μ W/MHz
	40	5460 MHz or less	12.5 μ W/MHz
		5460.0 ~ 5470.0 MHz	50 μ W/MHz
		5770 MHz or more	12.5 μ W/MHz
	80	5460 MHz or less	12.5 μ W/MHz
		5460.0 ~ 5469.5 MHz	50 μ W/MHz
		5469.5 ~ 5470.0 MHz	51.2 μ W/MHz
		5770 MHz or more	12.5 μ W/MHz



7.2 TEST PROCEDURES

The following table is the setting of Spectrum Analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
RB / VB	1MHz /1MHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

1. EUT have transmitted the maximum modulation signal and fixed channelize.
2. Setting of SA is following as: RB: 1MHz ,VB: 1MHz Sweep time: Auto Sweep Mode: Continuous sweep / Detect mode: Positive peak/ Trace mode: Max hold
3. Setting the frequency, then to mark peak reading value + cable loss shall be less section 7.1.

7.3 TEST SETUP



7.4 TEST DEVIATION

There is no deviation with the original standard.

7.5 TEST RESULT

Note: 1. Input compensation coefficient (dB) = Cable Loss (dB)+Gain (dBi)

2. The test data please reference to attachment “STS2606016W03 _Appendix 5G WIFI”.



8. SECONDARY RADIATED EMISSIONS

8.1 LIMIT

Item	Operation band	Limits	
RX Spurious Emission:	W52/W53	20MHz system	$\leq 4\text{nW}$ ($f \leq 1\text{GHz}$) $\leq 20\text{nW}$ ($1\text{GHz} \leq f \leq 26.5\text{GHz}$)
		40MHz system	
		80MHz system	
	W56	20MHz system	
		40MHz system	
		80MHz system	

8.2 TEST PROCEDURES

The following table is the setting of Spectrum Analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
RB	100 kHz (below 1GHz emissions) 1 MHz (above 1GHz emissions)
VB	100 kHz (below 1GHz emissions) 1 MHz (above 1GHz emissions)
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

1. EUT have the continuous reception mode and fixed only one channelize.
2. Setting of SA is following as RB / VB: 100 kHz (below 1GHz emissions) / 1 MHz, (above 1GHz emissions) / Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Positive peak / Trace mode: Max hold
3. SA set RB: 100kHz and VB: 100kHz. Then adjust to start frequency 30MHz and stop frequency 1000MHz. Search to mark peak reading value + cable loss shall be less than 4nW.
4. SA set RB: 1MHz and VB: 1MHz. Then adjust to start frequency 1000MHz and stop frequency 26500MHz. Search to mark peak reading value + cable loss shall be less than 20nW.
5. If power level of lower emissions are more than 1/10 of limit ($.0.4\text{nW}$ for $f < 1\text{GHz}$, 2nW for $f \geq 1\text{GHz}$), all those are to be indicated in the 2nd and 3rd lines. If others are 1/10 or less more of the limit, no necessary to be indicated.

8.3 TEST RESULT

Note: The test data please reference to attachment "STS2606016W03 _Appendix 5G WIFI".

9. RADIO INTERFERENCE PREVENTION CAPABILITY MEASUREMENT

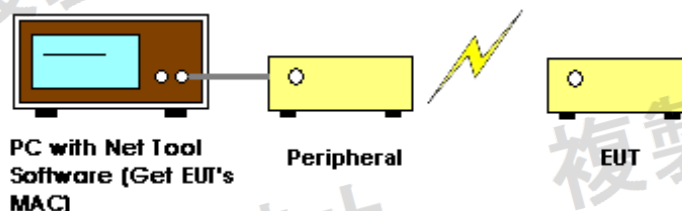
9.1 LIMIT

Item	Limits
Identification code	≥ 19 bits

9.2 TEST PROCEDURES

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

9.3 TEST SETUP



9.4 TEST DEVIATION

There is no deviation with the original standard.

9.5 EUT OPERATION DURING TEST

The EUT was programmed to be in normal transmitting mode.

9.6 TEST RESULT OF RADIO INTERFERENCE PREVENTION CAPABILIT

Note: The MAC Address is 0A:ED:01:2F:14:8E

10. CARRIER SENSE CAPABILITY

10.1 INTERFERENCE PREVENTION FUNCTION

10.2 TEST REQUIREMENT

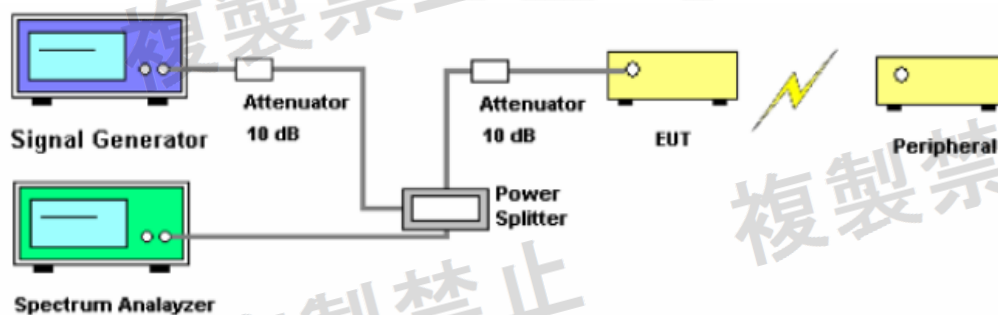
MIC Notice No.88 Appendix No.45

Article 2, Paragraph 1, Item 19-3 Rules

10.3 TEST PROCEDURE

1. SG adjusted the frequency as same as the EUT transmitted signal and emitted the absence of modulation from SG and power level is (Equal to the value of the electric field strength to 100mV / m).
2. Turn off the RF signal of the SG.
3. EUT have transmitted the maximum modulation signal and fixed channelize.
4. Setting of SA :RBW/VBW=1MHz/1MHz,,Sweep time=auto,Sweep mode=continuous, Detect mode=positive peak
5. SG RF signal on.
6. EUT shall be stop the transmitted any signal and SG RF signal off, the EUT will be continuous

❖ Measurement System Diagram

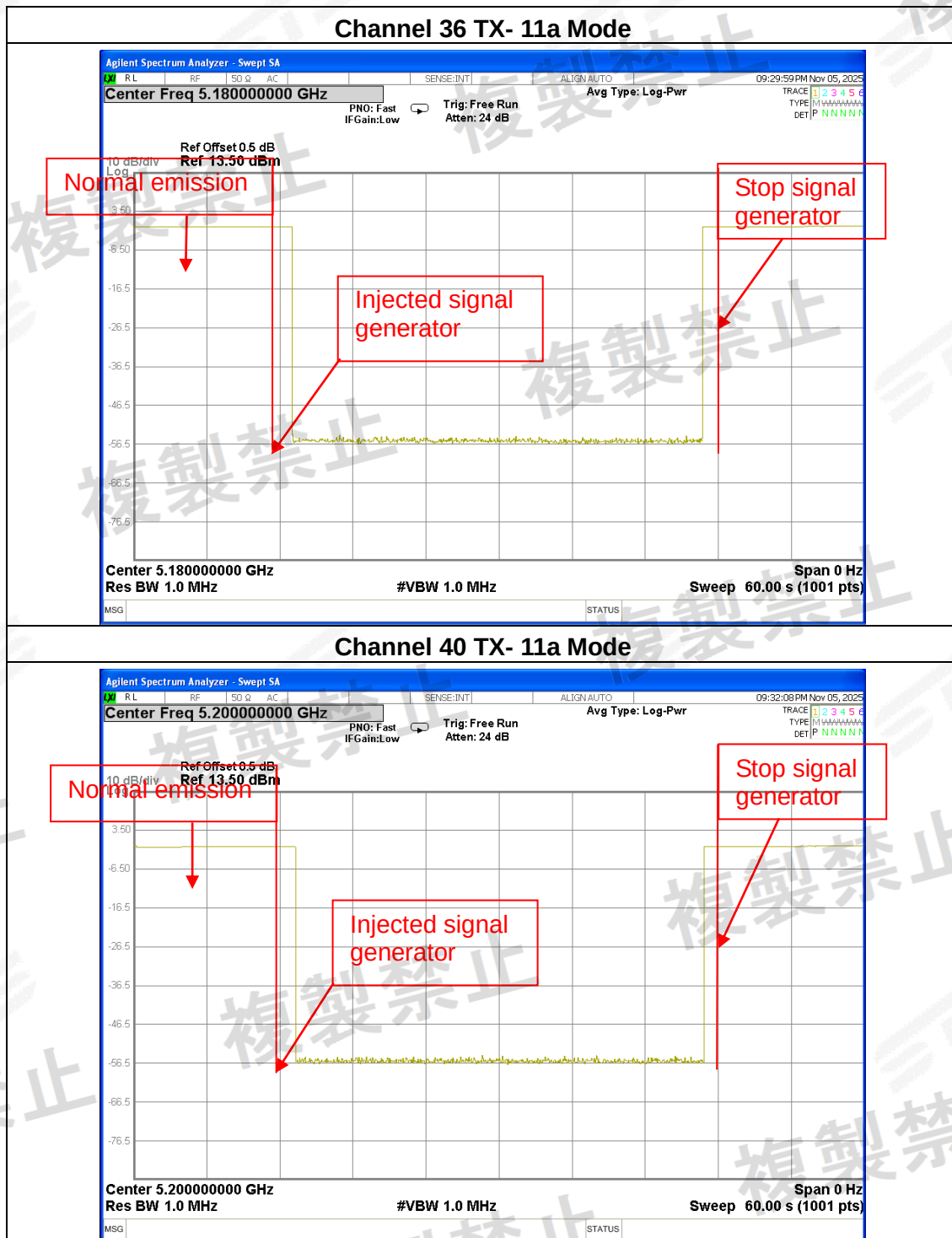


❖ Conditions of Application Equipment (EUT)

- The EUT state shall be “normal mode link with wireless router”.

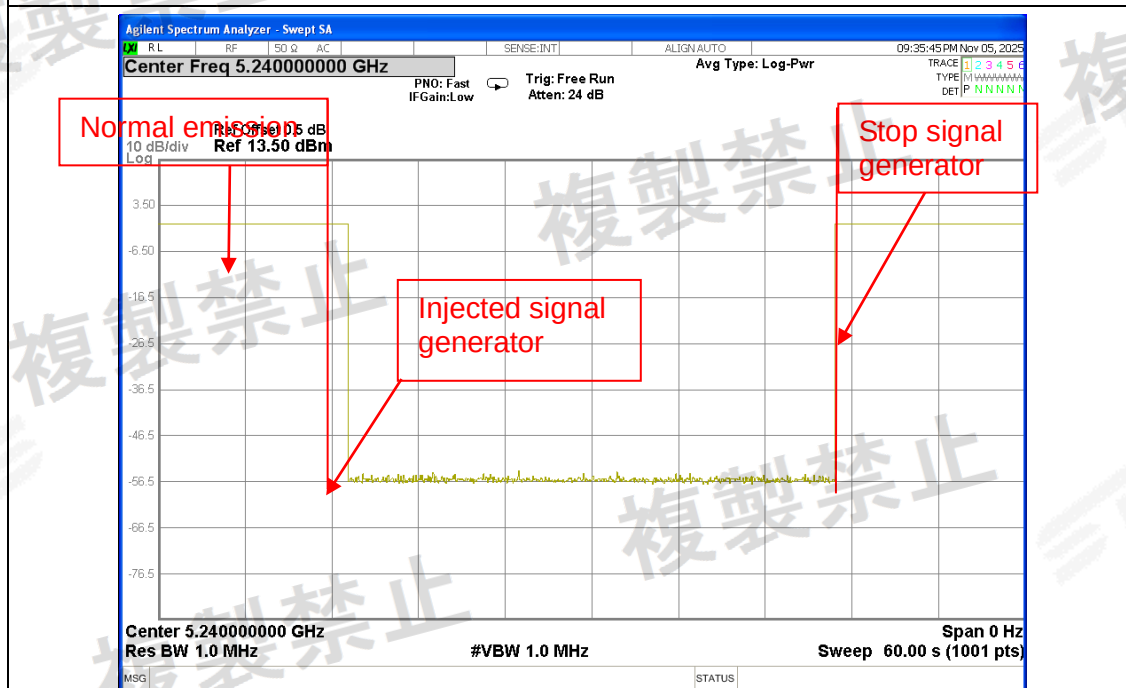


10.4 TEST RESULT

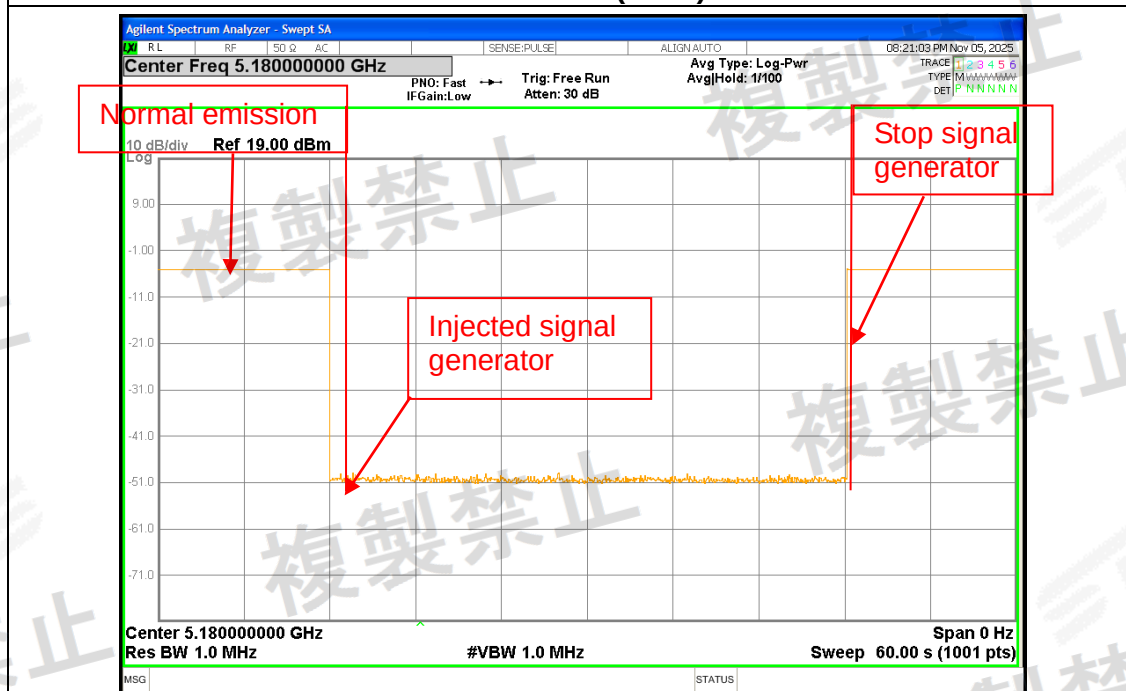




Channel 48 TX- 11a Mode

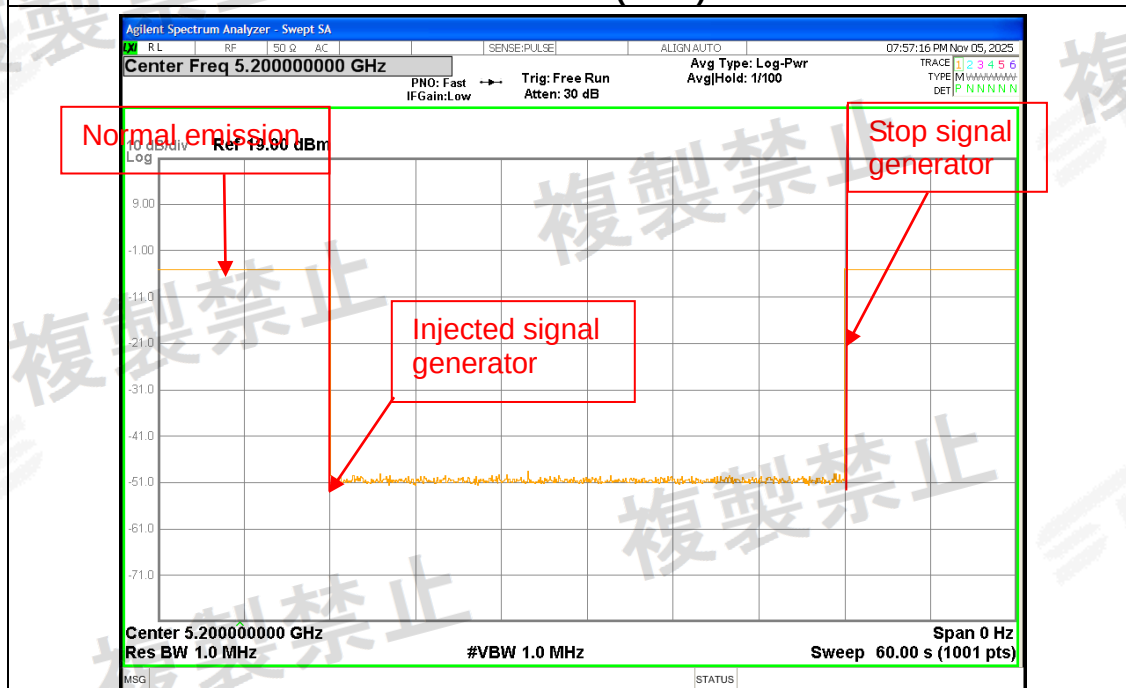


Channel 36TX- 11n(HT20) Mode

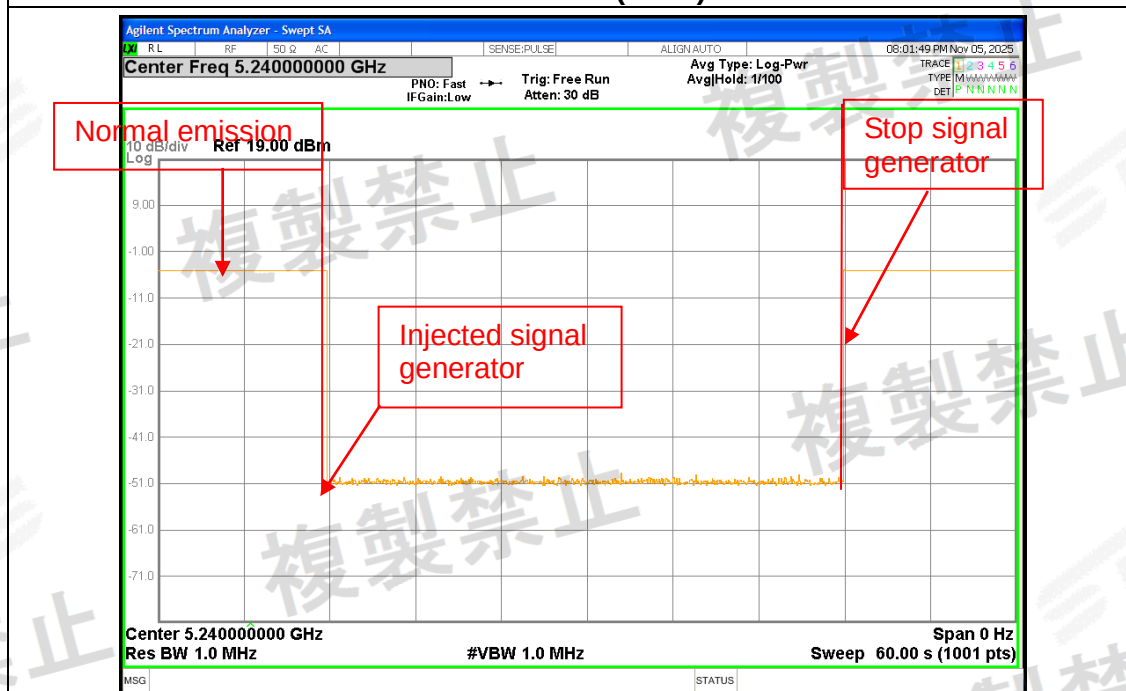




Channel 40TX- 11n(HT20) Mode

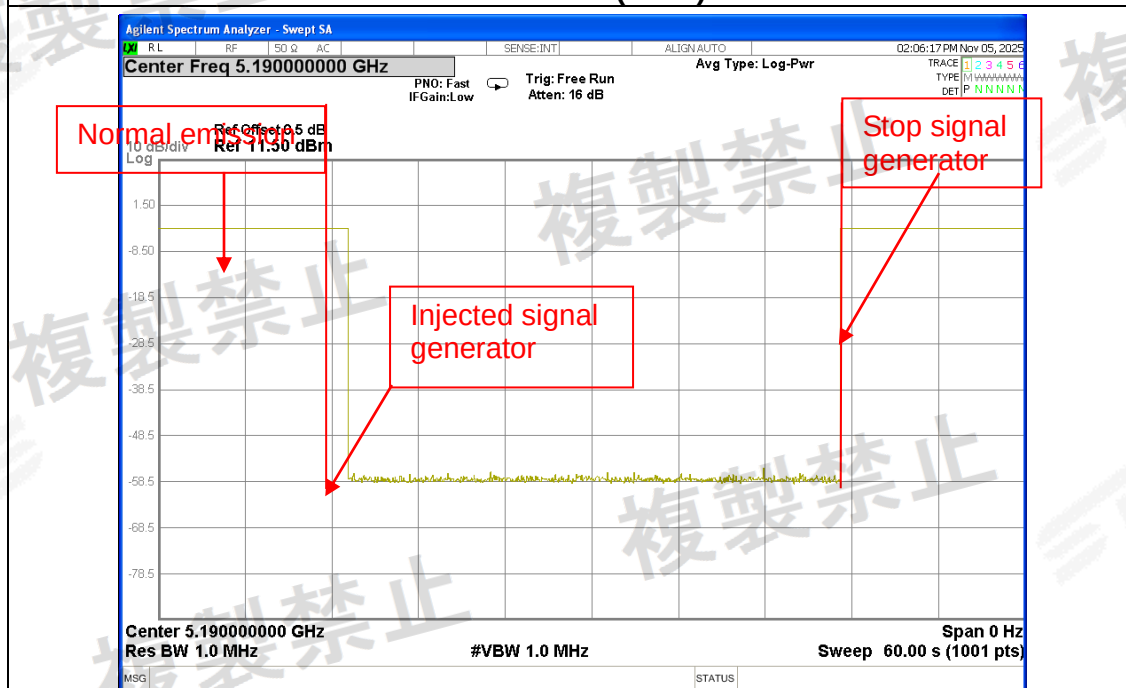


Channel 48TX- 11n(HT20) Mode

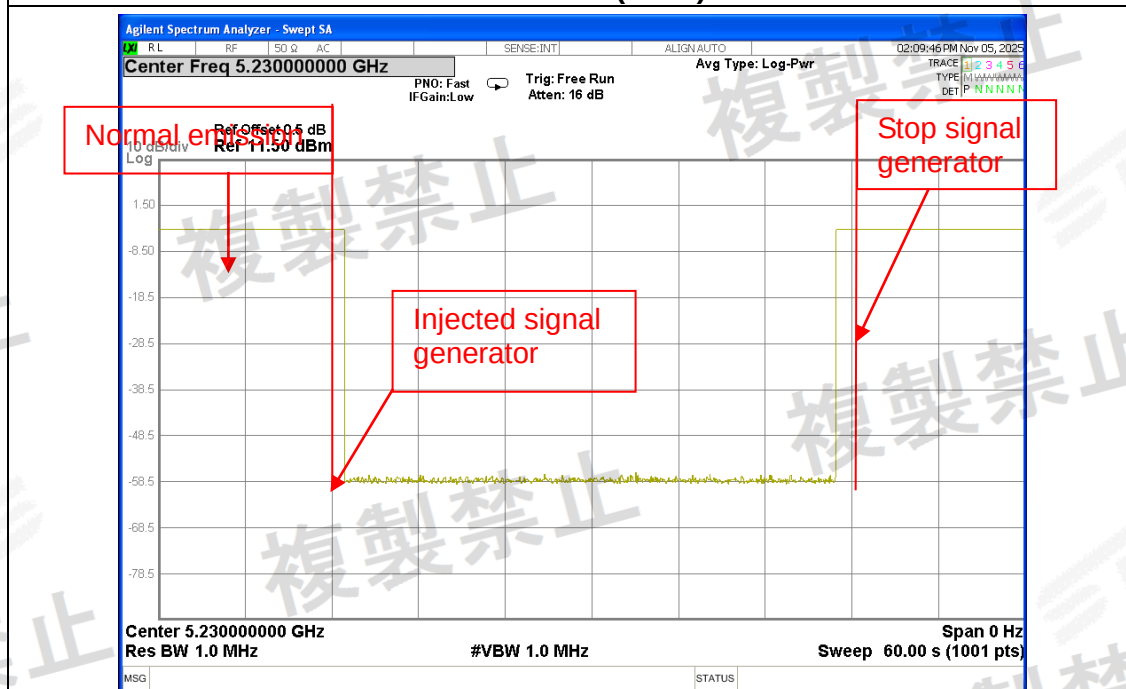




Channel 38TX- 11n(HT40) Mode



Channel 46TX- 11n(HT40) Mode





11. ADJACENT CHANNEL POWER

11.1 LIMIT

Item	Operation band	Occupied Bandwidth	Limits	
Adjacent Channel Power	W52/W53/W56	20MHz system	$F_c \pm 20\text{MHz} \pm 10\text{MHz}$	BW: -25dBc or less
			$F_c \pm 40\text{MHz} \pm 10\text{MHz}$	BW: -40dBc or less
		40MHz system	$F_c \pm 40\text{MHz} \pm 20\text{MHz}$	BW: -25dBc or less
			$F_c \pm 80\text{MHz} \pm 20\text{MHz}$	BW: -40dBc or less
		80MHz system	$F_c \pm 80\text{MHz} \pm 40\text{MHz}$	BW: -25dBc or less

11.2 TEST PROCEDURES

- Setting of SA is following as: RB: 300KHz / VB: 300KHz / SPAN: 100MHz/200MHz/400MHz
Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: peak
Trace mode: Max hold/ Sweep Time Auto

11.3 TEST SETUP



11.4 TEST DEVIATION

There is no deviation with the original standard.

11.5 EUT OPERATION DURING TEST

The EUT was programmed to be in continuously transmitting mode.

11.6 TEST RESULT

Note: The test data please reference to attachment "STS2606016W03_ Appendix 5G WIFI".



12. BURST LENGTH

12.1 LIMIT

Item	Limits
Adjacent Channel Power:	8ms or less

12.2 TEST PROCEDURES

1. Connected the EUT's Antenna port to the Spectrum Analyzer by suitable attenuator,
Setting of SA is following as:
RB: 1MHz / VB: 1MHz
Sweep time: Auto
Detect mode: clear write
Trace mode: norma

12.3 TEST SETUP



12.4 EUT OPERATION DURING TEST

The EUT was programmed to be in continuously transmitting mode.

12.5 TEST RESULT

Note: The test data please reference to attachment "STS2606016W03_Appendix 5G WIFI".



13. EUT TEST PHOTO

Note: See test photos in setup photo document for the actual connections between Product and support equipment.

REPORT END