TEST REPORT

Report Number.....	**ZKT-2606090655E**
Date of Test.....	Jun. 09, 2026 to Jun. 22, 2026
Date of issue.....	Jun. 22, 2026
Total number of pages.....	38
Test Result	PASS
Testing Laboratory.....	**Shenzhen ZKT Technology Co., Ltd.**
Address	1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China
Applicant's name	**Shenzhen Linland Youpin Technology Co., Ltd**
Address :	2F558, Area B, Gushu Huating, No. 38 Gushu 1st Road, Guxing Community, Xixiang Street, Bao' an District, Shenzhen
Manufacturer's name	**Shenzhen Linland Youpin Technology Co., Ltd**
Address	2F558, Area B, Gushu Huating, No. 38 Gushu 1st Road, Guxing Community, Xixiang Street, Bao' an District, Shenzhen
Test specification:	
Standard.....	Article 2 paragraph 1 of item 19 MIC Notice No.88 Annex 1 MIC Notice No.88 Annex 43
Test procedure.....	/
Non-standard test method	N/A
Test Report Form No.....	TRF-EL-152_V0
Test Report Form(s) Originator.....	ZKT Testing
Master TRF	Dated: 2020-01-06

This device described above has been tested by ZKT, and the test results show that the equipment under test (EUT) is in compliance with the Telec requirements. And it is applicable only to the tested sample identified in the report.

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Product name.....	**Projector**
Trademark	N/A
Model/Type reference.....	V5 V5-KTV,V1,V2,V3,V4,V6,V7,V8,V9,U1,U2,U3,U4,U5,U6,U7,U8,U9, P10,P20,P30,P40,P50,P60,P70.P80,P90,HCS350,HCS360,HCS370, HCS380,HCS390,S10,S20,S30,S40,S50,S60,S70,S80,S90,V1-V100
Ratings.....	Input: 100-240V ~ 50/60Hz Output: 12V⎓1.5A / 36V⎓1.5A

Testing procedure and testing location:

Testing Laboratory.....:	**Shenzhen ZKT Technology Co., Ltd.**
Address.....:	1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China
Tested by (name + signature).....:	Jim Liu
Reviewer (name + signature).....:	Jackson Fang
Approved (name + signature).....:	Lake Xie

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1. VERSION

Report No.	Version	Description	Approved
ZKT-2606090655E	Rev.01	Initial issue of report	Jun. 22, 2026

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2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

NO.	Test Item	Test Requirement	Result
1	RF shielding method	Item 19 of Article 49-20	Pass
2	Frequency Tolerance	Item 19 of Article 5	Pass
3	Antenna Power & E.I.R.P.	Item 19 of Article 49-20	Pass
4	Antenna Power Tolerance	Item 19 of Article 14	Pass
5	99% Occupied Bandwidth	Item 19 of Article 6	Pass
6	Spurious Emissions Intensity	Item 19 of Article 7	Pass
7	Limit of secondary radiated emissions	Item 19 of Article 24.2	Pass
8	Interference suppression	Item 19 of Article 9-4.5	Pass
9	Transmission Antenna Gain	Item 19 of Article 49-20	Pass
10	Transmission Radiation Angle Width (3dB Beam width)	Item 19 of Article 49-20	N/A*

NOTE:
(1)" N/A" is EIRP does not exceed 6.91dBm/MHz.

2.1 TEST FACILITY

Shenzhen ZKT Technology Co., Ltd.
Add. : 1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China

FCC Test Firm Registration Number: 927491
Designation Number: CN1431
IC Registered No.: 27033
CAB identifier: CN0110
China Registered No.: CNAS L11527

2.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement y ± U，where expended 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	Conducted Emission Test	±3.2dB
2	Radiated Emission Test	±4.7dB
3	RF power conducted	±0.16dB
4	Spurious emissions conducted	±0.21dB
5	All emissions radiated(<1G)	±4.68dB
6	All emissions radiated(>1G)	±5.0dB
7	frequency error ppm	±0.5ppm
8	RF Occupied Bandwidth	U=1.8KHz
9	Time	U=1ms

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Product Name:	Projector
Model No.:	V5 V5-KTV,V1,V2,V3,V4,V6,V7,V8,V9,U1,U2,U3,U4,U5,U6,U7,U8,U9,P10,P20,P30,P40,P50,P60,P70.P80,P90,HCS350,HCS360,HCS370,HCS380,HCS390,S10,S20,S30,S40,S50,S60,S70,S80,S90,V1-V100
Model Difference:	See the Model Difference letter
Hardware Version:	H1.0
Software Version:	S1.0
Operation Frequency:	2402MHz~2480MHz
Channel numbers:	40
Channel separation:	2MHz
Modulation technology:	GFSK
Antenna Specification:	PCB antenna
Antenna Gain:	-0.1dBi
Power supply:	Input: 100-240V ~ 50/60Hz Output: 12V⎓1.5A / 36V⎓1.5A

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
2.

Channel List							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2402 MHz	11	2422 MHz	21	2442 MHz	31	2462 MHz
2	2404 MHz	12	2424 MHz	22	2444 MHz	32	2464 MHz
3	2406 MHz	13	2426 MHz	23	2446 MHz	33	2466 MHz
4	2408 MHz	14	2428 MHz	24	2448 MHz	34	2468 MHz
5	2410 MHz	15	2430 MHz	25	2450 MHz	35	2470 MHz
6	2412 MHz	16	2432 MHz	26	2452 MHz	36	2472 MHz
7	2414 MHz	17	2434 MHz	27	2454 MHz	37	2474 MHz
8	2416 MHz	18	2436 MHz	28	2456 MHz	38	2476 MHz
9	2418 MHz	19	2438 MHz	29	2458 MHz	39	2478 MHz
10	2420 MHz	20	2440 MHz	30	2460 MHz	40	2480 MHz

3.

Final test channel as follow:					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2402	20	2440	40	2480

3.2 DESCRIPTION OF TEST MODES

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

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. test software LeKit_v3.0.4.2. used for controlling the EUT.

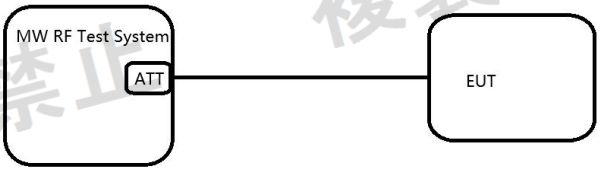
During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final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

Test Software: CMD	
Test Mode	*Power Level*
GFSK	*Default*

3.3 TEST CONDITIONS

Supply Voltage			
	Input Voltage (Vdc)	Voltage at the input of the RF Circuit (Vdc)	Tolerance (%)
Normal	100	3	
+10%	110	3.3	0
-10%	90	3.3	0
Others			
Temperature (°C)	25		
Relative humidity	51%.		
ATM Pressure:	1019 mbar		
Note 1: When the input voltage is reduced or increased by 10%, the regulator voltage changes of less than 1%.So the following test items are conducted in the normal voltage.			

3.4 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.5 DESCRIPTION OF SUPPORT UNITS (CONDUCTED MODE)

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.	Series No.	Note
Eut	Projector	N/A	V5	N/A	EUT

Item	Shielded Type	Ferrite Core	Length	Note

Note:

(1) The support equipment was authorized by Declaration of Confirmation.
(2) For detachable type I/O cable should be specified the length in cm in 『Length』 column.
(3) "YES" is means "shielded" "with core"; "NO" is means "unshielded" "without core".

3.6 EQUIPMENTS LIST FOR ALL TEST ITEMS

Calibration company:Guangzhou LiSai Metrology & Test Co.,Ltd.

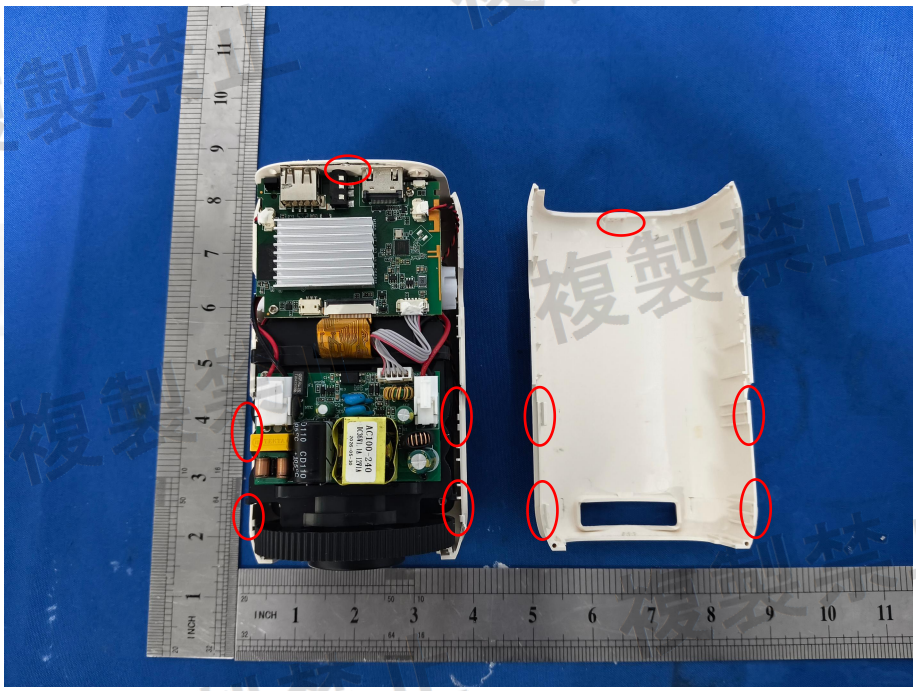
Item	Equipment	Manufacturer	Type No.	Serial No.	Firmware Version	Last calibration	Calibrated until	Cal. Method
1	Spectrum Analyzer (9kHz-26.5GHz)	KEYSIGHT	N9020A	MY55370835	A.17.05	Sep. 20, 2025	Sep. 19, 2026	c
2	Spectrum Analyzer (10kHz-39.9GHz)	R&S	FSV40-N	100363	1.71 SP2	Sep. 20, 2025	Sep. 19, 2026	c
3	Test Cable	N/A	RF-01	N/A	N/A	May 25, 2026	May 24, 2027	c
4	Test Cable	N/A	RF-02	N/A	N/A	May 25, 2026	May 24, 2027	c
5	Test Cable	N/A	RF-03	N/A	N/A	May 25, 2026	May 24, 2027	c
6	ESG Signal Generator	Agilent	E4421B	N/A	B.03.84	Sep. 19, 2025	Sep. 18, 2026	c
7	Signal Generator	Agilent	N5182A	N/A	A.01.87	Sep. 20, 2025	Sep. 19, 2026	c
8	Magnetic Field Probe Tester	Narda	ELT-400	0-0344/M-1752	N/A	Sep. 25, 2025	Sep. 24, 2026	c
9	Van der Hoofden measuring head	Schwarzbeck Mess-elektronik	VDHH 9502	9502-039	N/A	Sep. 30, 2025	Sep. 29, 2026	c
10	Wideband Radio Communication Test	R&S	CMW500	106504	V 3.7.22	Sep. 28, 2025	Sep. 27, 2026	c
11	MWRF Power Meter Test system	MW	MW100-RFCB	N/A	N/A	Sep. 19, 2025	Sep. 18, 2026	c
12	Power Meter	KEYSIGHT	N1912AP	926431	A.05.00	Sep. 29, 2025	Sep. 28, 2026	c
13	D.C. Power Supply	LongWei	TPR-6405D	GQ7516	N/A	Sep. 29, 2025	Sep. 28, 2026	c
14	Attenuators	XINQY	XQY-SMAJKS-12-2W	N/A	N/A	Sep. 29, 2025	Sep. 28, 2026	c
15	RF Software	MW	MTS8310	V2.0.0.0	N/A	\	\	

Note: Calibration method: Section c of the calibration method under Article 24-2, Paragraph 4, Item 2 of the Radio Law

Note:
Calibration Method:
(a) Calibration conducted by the National Institte of Information and Communicationsa)Technology (NICT) or a designated calibration agency under Article 102-18 paragraph (1)
(b) Correction conducted ours ant to the provisions of Article 135 or Article 144 of the Measurement Act(Act No. 51 of 1992)
(c) Calibration conducted in countries except Japan, which shall be equivalent to the calibration conducted by the NICT or a designated calibration agency under Article 102-18 paragraph
(d) Calibration, etc. conducted by using measuring instruments and other equipment listed in the right column of appended table No. 3, which shall have been given any type of calibration, etc.listed above from (a) to (c). The calibration corresponds to c described above.
All the equipments for Guangzhou LiSai Metrology & Test Co.,Ltd.

4. RF SHIELDING METHOD

Enclosure:
We apply the product for Japan RF certification. The RF circuit adopts SMD components. The product plastic casing serves as the shielding structure for the internal module. The outer shell of the EUT is assembled and sealed via snap-fit buckles, which is not easy to disassemble. Any attempt by the user to pry open or take apart the housing will easily cause damage to the equipment. Please refer to the attached photos for detailed information.



5. TEST RESULT FOR BLUETOOTH

5.1 FREQUENCY ERROR

5.1.1 LIMIT

Item	Limits
Frequency Error	±50ppm

5.1.2 MEASURING INSTRUMENTS AND SETTING

The following table is the setting of Spectrum Analyzer.

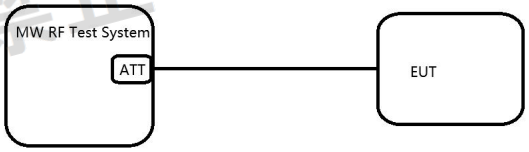
Spectrum Parameter	Setting
Attenuation	Auto
RB / VB	10KHz/10KHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

5.1.3 TEST PROCEDURES

(1)In the case of unmodulated signal (continuous or continuous burst), measure the frequency directly by a frequency meter.
(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.

5.1.4 TEST SETUP LAYOUT



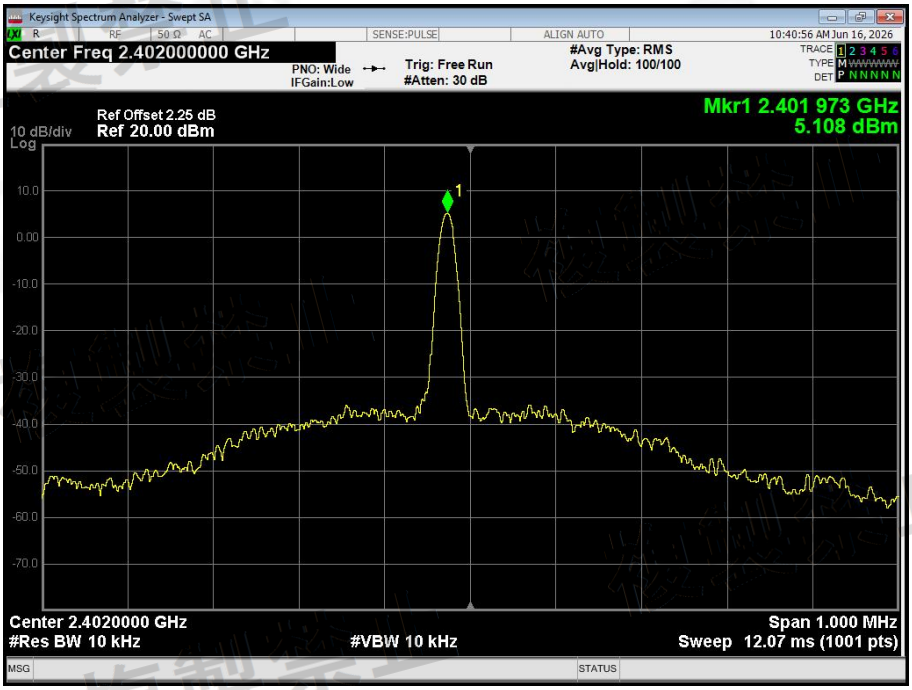
5.1.5 EUT OPERATION DURING TEST

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

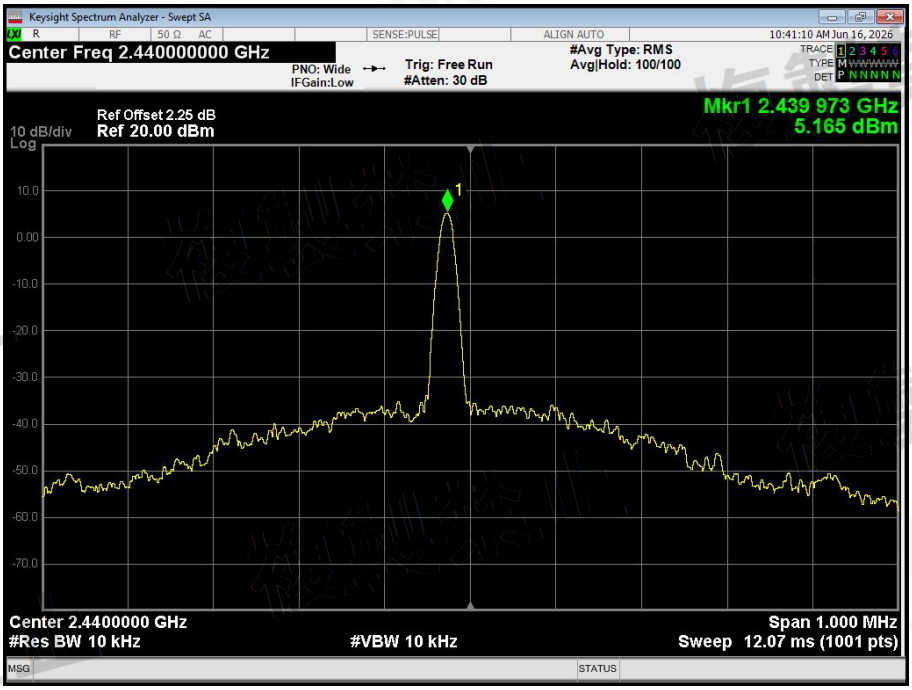
5.1.6 TEST RESULT

Test mode	Test voltage	Frequency (MHz)	Read (MHz)	Tolerance (ppm)	Limit (ppm)	Result
Un-modulation mode	Normal	2402	2401.973	-11.24	±50.00	Pass
		2440	2439.973	-11.07		
		2480	2479.972	-11.29		

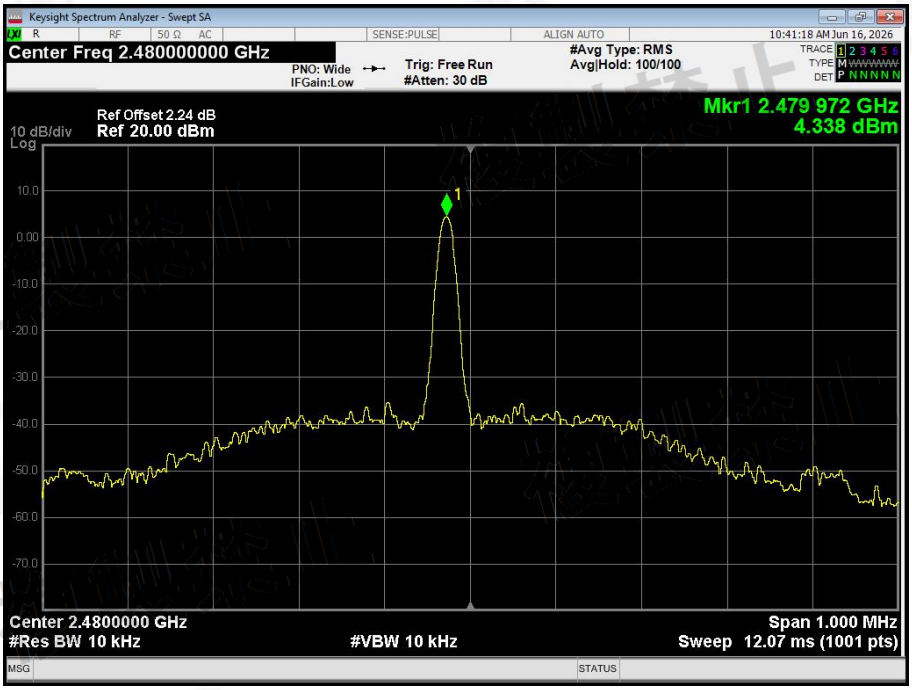
Lowest Channel	Test voltage	NORMAL



Middle Channel	Test voltage	NORMAL



Highest Channel	Test voltage	NORMAL



5.2 ANTENNA POWER

5.2.1 LIMIT

Item	Limits
Antenna Power Density	10mW
EIRP Power Density	12.14dBm
Antenna Power Error	+20%

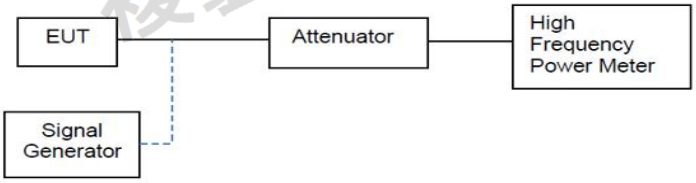
5.2.2 TEST PROCEDURES

1. A power meter is connected on the EUT

2 . Record the reading on the power meter as antenna output power.

3. Antenna Power Error is definition that actual measure antenna power tolerance between + 20% power range that base on manufacturer declare the conducted power density.

5.2.3 TEST SETUP LAYOUT



5.2.4 TEST DEVIATION

There is no deviation with the original standard.

5.2.5 TEST RESULT

Modulation type	Channel (MHz)	Antenna Power (dBm)	Antenna Power (mW)	Rated Output Power (mW)	Antenna Power Limit (mW)	Tolerance (%)	Tolerance Limit (%)	RESULT
GFSK	2402	0.276	1.066	2.00	10	-46.70%	20	PASS
	2440	0.433	1.105	2.00		-44.75%		
	2480	-0.459	0.9	2.00		-55.00%		

Modulation type	Channel (MHz)	Antenna Power (dBm)	Antenna Gain (dBi)	EIRP Power (dBm)	EIRP Power Limit (dBm)	RESULT
GFSK	2402	0.276	-0.1	0.176	12.14	PASS
	2440	0.433	-0.1	0.333	12.14	PASS
	2480	-0.459	-0.1	-0.559	12.14	PASS

Note: Antenna Gain: -0.1 dBi
EIRP Power = Antenna Power + Antenna Gain.

5.3 OCCUPIED BANDWITH

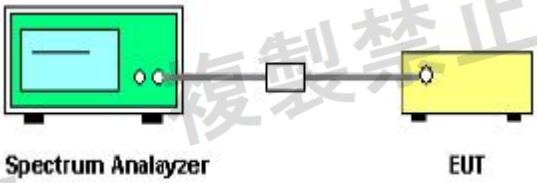
5.3.1 LIMIT

Item	Limits
Occupied Band Width:	≦26MHz

5.3.2 TEST PROCEDURES

1. Setting of SA is following as: RB: 300kHz / VB:300kHz / SPAN: 3MHz / AT: 30dB Ref: 22.34dBm / Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode: Positive peak / Trace mode: Max hold
2 . 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. The limit is less than 26MHz (For DSSS or OFDM Device) or 83.5MHz (For FHSS Device).

5.3.3 TEST SETUP LAYOUT



5.3.4 TEST DEVIATION

There is no deviation with the original standard.

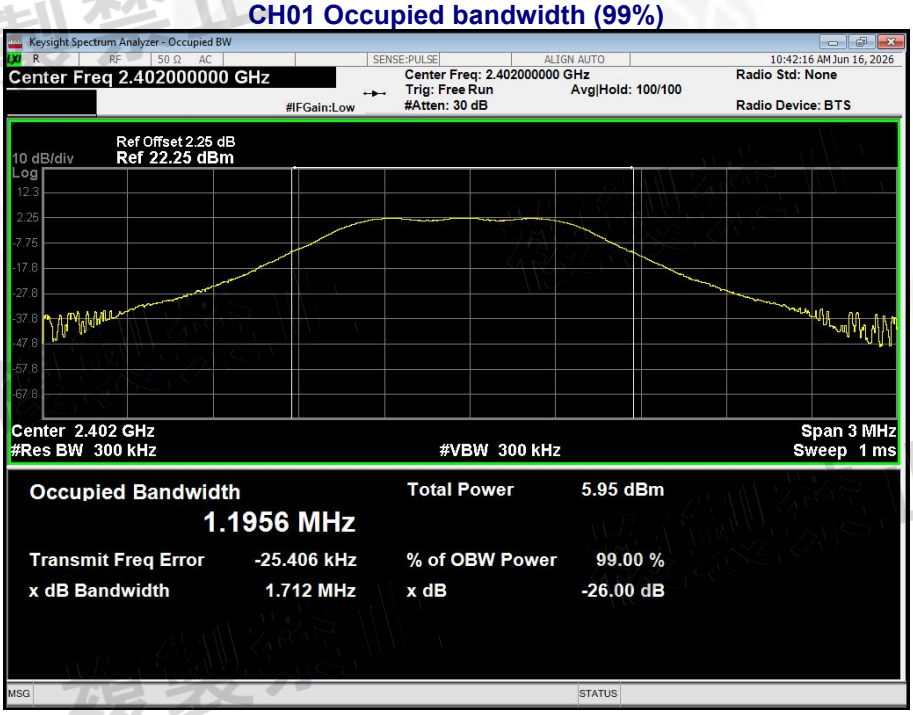
5.3.5 EUT OPERATION DURING TEST

The EUT was programmed to be in continuously transmitting mode.

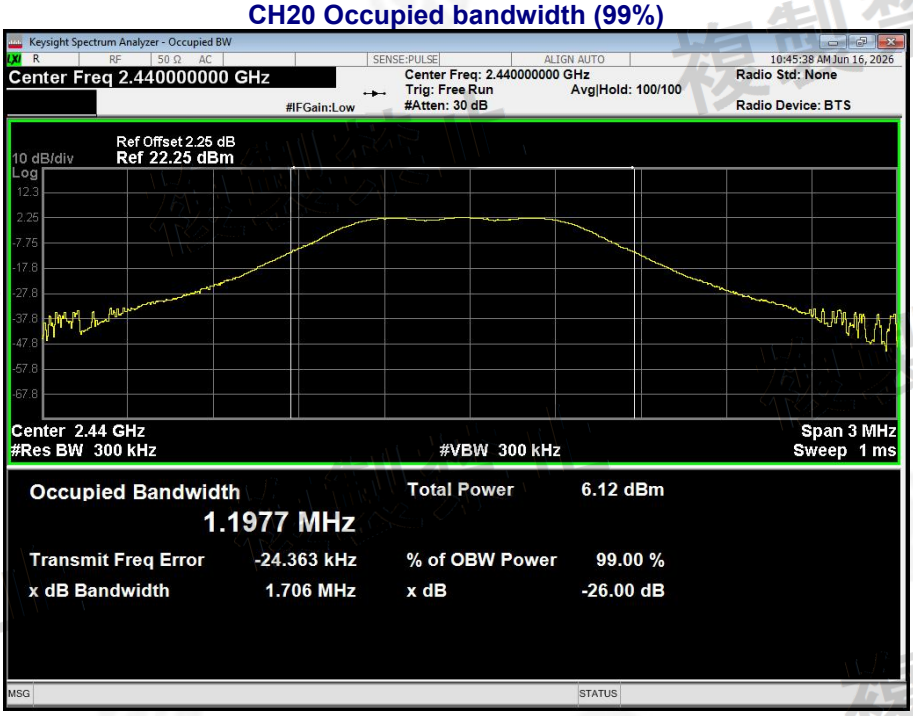
5.3.6 TEST RESULT

Test voltage	Channel (MHz)	99% occupy bandwidth (MHz)	Limit (MHz)	Result
Normal	2402	1.1956	≤26	Pass
	2440	1.1977	≤26	Pass
	2480	1.1955	≤26	Pass

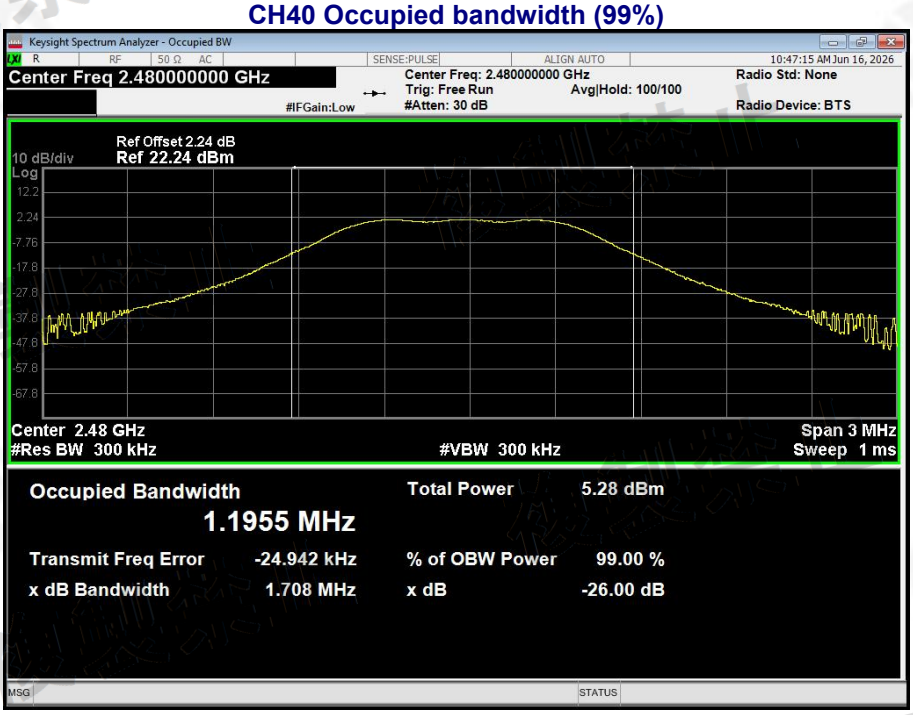
CH01 Occupied bandwidth (99%)



CH20 Occupied bandwidth (99%)



CH40 Occupied bandwidth (99%)



5.4 UNWANTED EMISSION INTENSITY MEASUREMENT

5.4.1 LIMIT

Item	Limits
TX Spurious Emission	30MHz - 2387MHz ; 2.5μW/MHz or less 2387MHz – 2400MHz ; 25μW/MHz or less 2483.5MHz – 2496.5MHz ; 25μW/MHz or less 2496.5MHz – 12.5GHz ; 2.5μW/MHz or less

5.4.2 MEASURING INSTRUMENTS AND SETTING

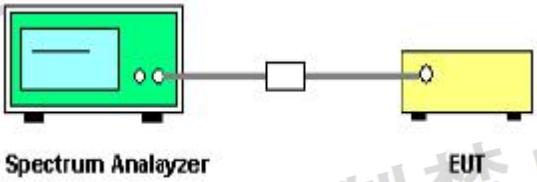
Please refer to section 3.6 in this report. The following table is the setting of Spectrum Analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
RB / VB	Below 1GHz: 100 kHz / 100 kHz Above 1GHz: 1 MHz / 1 MHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

5.4.3 TEST PROCEDURES

1. EUT have transmitted the maximum modulation signal and fixed channelize.
2. Setting of SA is following as: Below 1GHz RB:100KHz / VB:100KHz
Above 1GHz RB:1MHz / VB:1MHz / AT: 20dB Ref: 12.34dBm / Sweep time: Auto
Sweep Mode: Continuous sweep / Detect mode: Positive peak
Trace mode: Max hold
3. Setting of SA is following as 30MHz and stop frequency 1000MHz Then to mark peak reading value + cable loss shall be less than 0.25μW/MHz.
4. Setting of SA is following as 1000MHz and stop frequency 2387MHz Then to mark peak reading value + cable loss shall be less than 2.5μW/MHz.
5. SA adjusted to start frequency 2387MHz and stop frequency 2400MHz. Then to mark peak reading value + cable loss shall be less than 25μW/MHz.
6. SA adjusted to start frequency 2483.5MHz and stop frequency 2496.5MHz Then to mark peak reading value + cable loss shall be less than 25μW/MHz
7. SA adjusted to start frequency 2496.5MHz and stop frequency 12500MHz Then to mark peak reading value + cable loss shall be less than 2.5μW/MHz
8. Measure side band spurious as follows: For 2.4GHz band: 2374MHz~2400MHz and 2483.5MHz~2509.5MHz RBW = VBW = 30kHz, Result_Value = Meaured_ Value + 15.2 [dBm]
9. If the Result_Value is over the requirement, take total sum of 1MHz band centered at the spur frequency like ACLP measurement as Result_Value.

5.4.4 TEST SETUP LAYOUT



5.4.5 TEST DEVIATION

There is no deviation with the original standard.

5.4.6 TEST RESULT

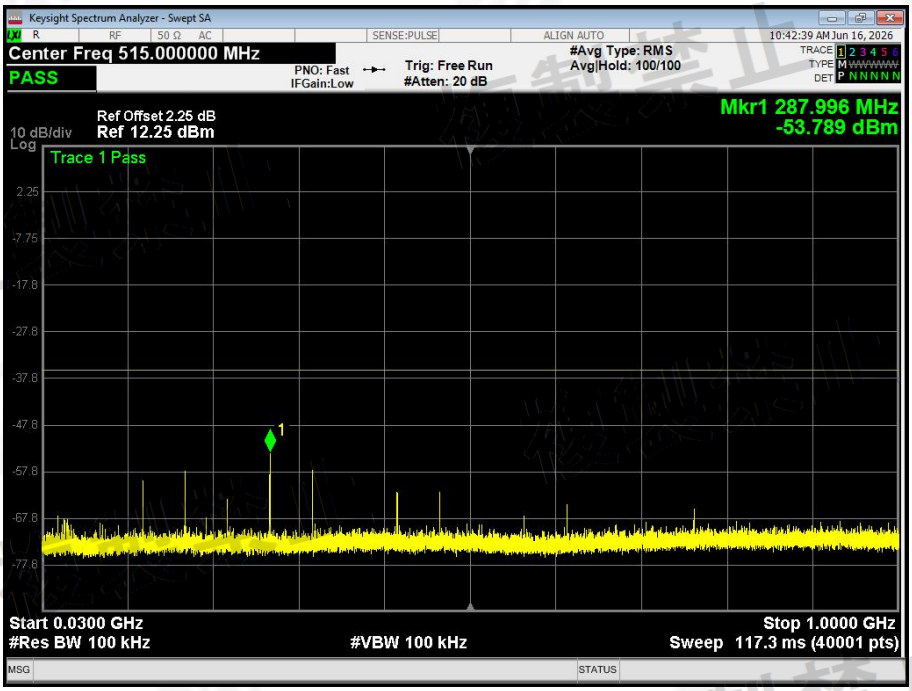
Test Voltage	Mode	Frequency (MHz)	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm)	Max Value (μW/MHz)	Limit (μW/MHz)	Verdict
Normal	GFSK	2402	30-1000	288	-43.79	0.0418	2.5	Pass
Normal	GFSK	2402	1000-2387	2306.45	-52.65	0.0054	2.5	Pass
Normal	GFSK	2402	2387-2400	2399.87	-29.34	1.1641	25	Pass
Normal	GFSK	2402	2483.5-2496.5	2495.3	-53.75	0.0042	25	Pass
Normal	GFSK	2402	2496.5-13000	4804.12	-42.26	0.0594	2.5	Pass
Normal	GFSK	2440	30-1000	288.02	-43.8	0.0417	2.5	Pass
Normal	GFSK	2440	1000-2387	2344.73	-52.39	0.0058	2.5	Pass
Normal	GFSK	2440	2387-2400	2392.63	-54.89	0.0032	25	Pass
Normal	GFSK	2440	2483.5-2496.5	2487.58	-54.65	0.0034	25	Pass
Normal	GFSK	2440	2496.5-13000	4881.06	-43.67	0.0430	2.5	Pass
Normal	GFSK	2480	30-1000	288	-43.69	0.0428	2.5	Pass
Normal	GFSK	2480	1000-2387	2384.95	-51.77	0.0067	2.5	Pass
Normal	GFSK	2480	2387-2400	2392.67	-56.81	0.0021	25	Pass
Normal	GFSK	2480	2483.5-2496.5	2483.5	-37.18	0.1914	25	Pass
Normal	GFSK	2480	2496.5-13000	4960.62	-43.99	0.0399	2.5	Pass

30-1000M Test Result = Max Value +RB factor
RB factor = 10log(RB0/RB1) = 10log(1M/100K) = 10dB

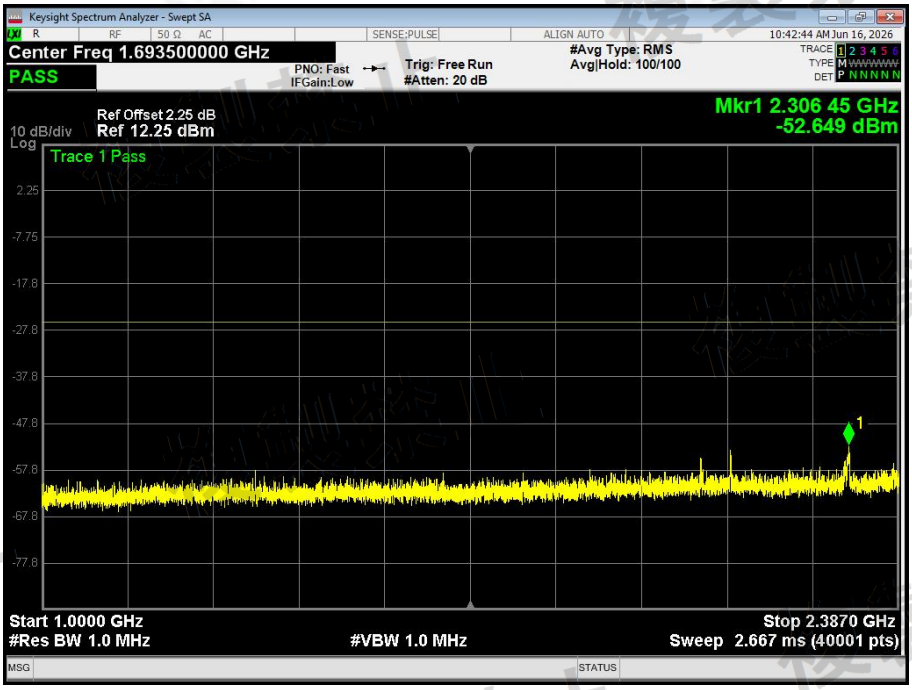
Modulation type: GFSK

Test voltage	Normal	Channel (MHz)	2402.00

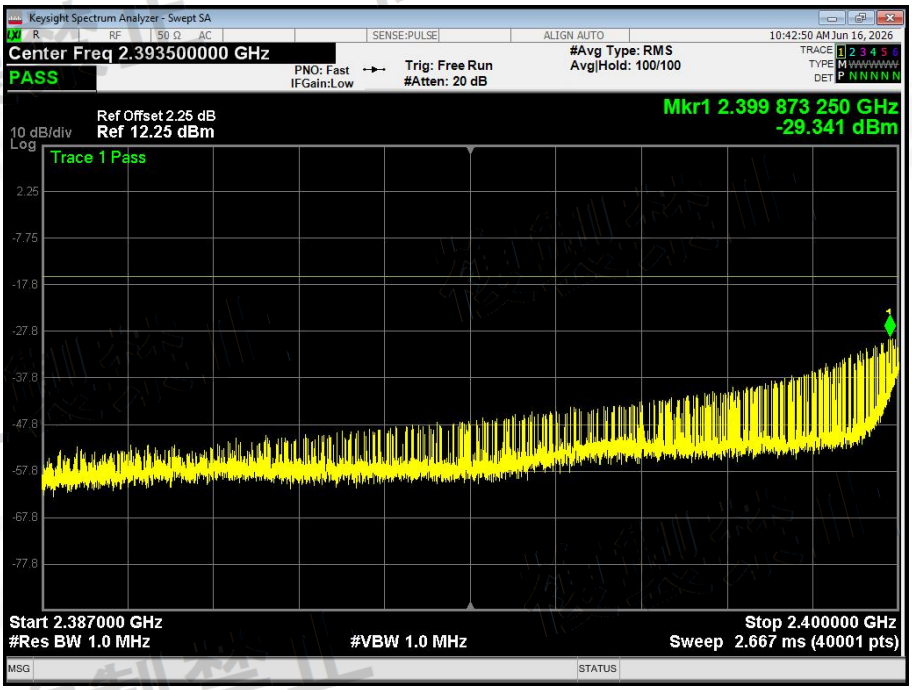
30MHz~1GHz



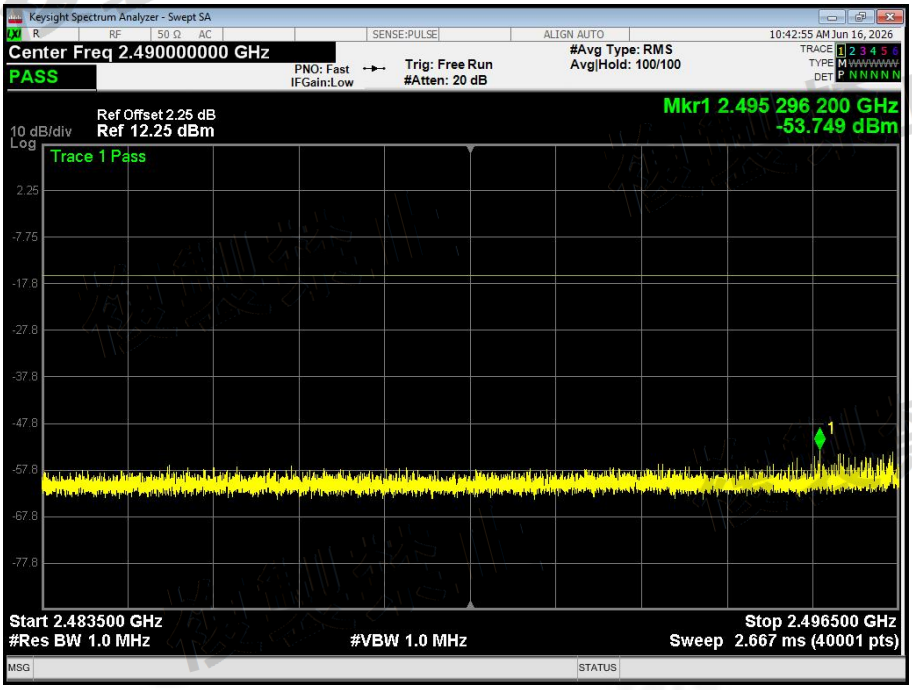
1GHz~2.387GHz



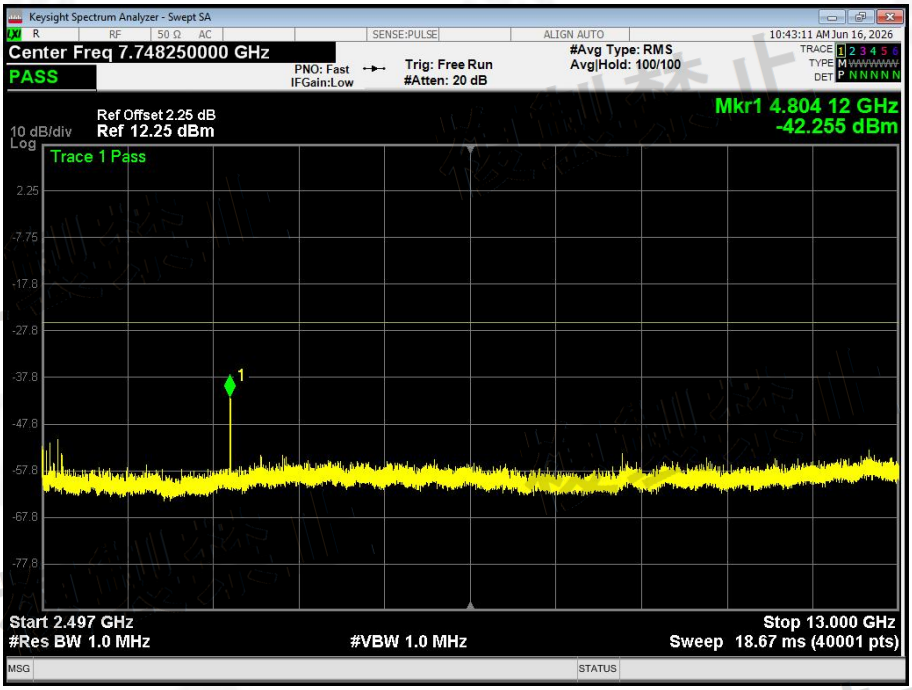
2.387GHz~2.4GHz



2.4835Hz~2.4965GHz

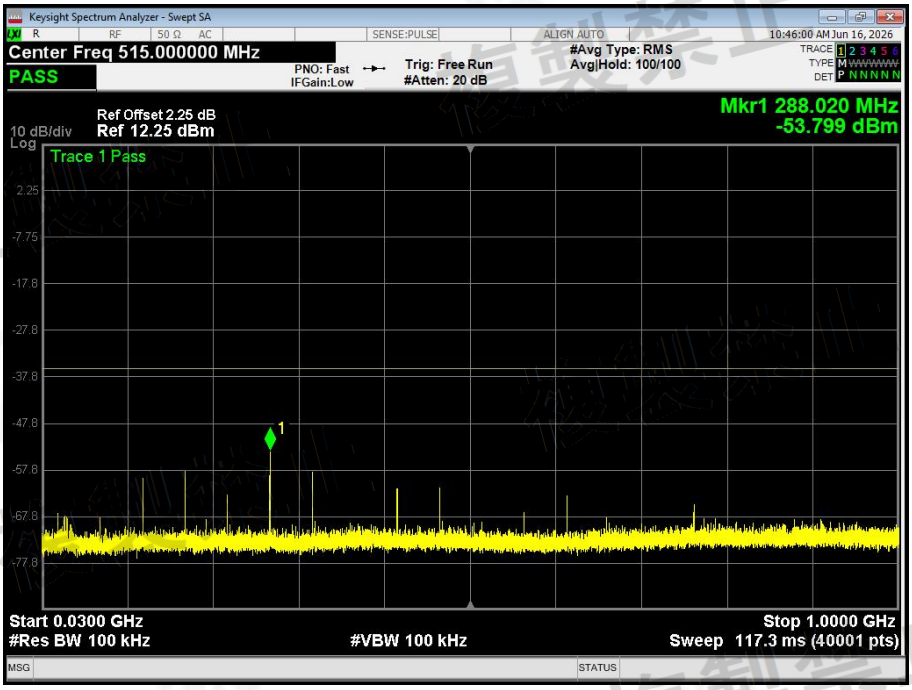


2.4965GHz~12.5GHz

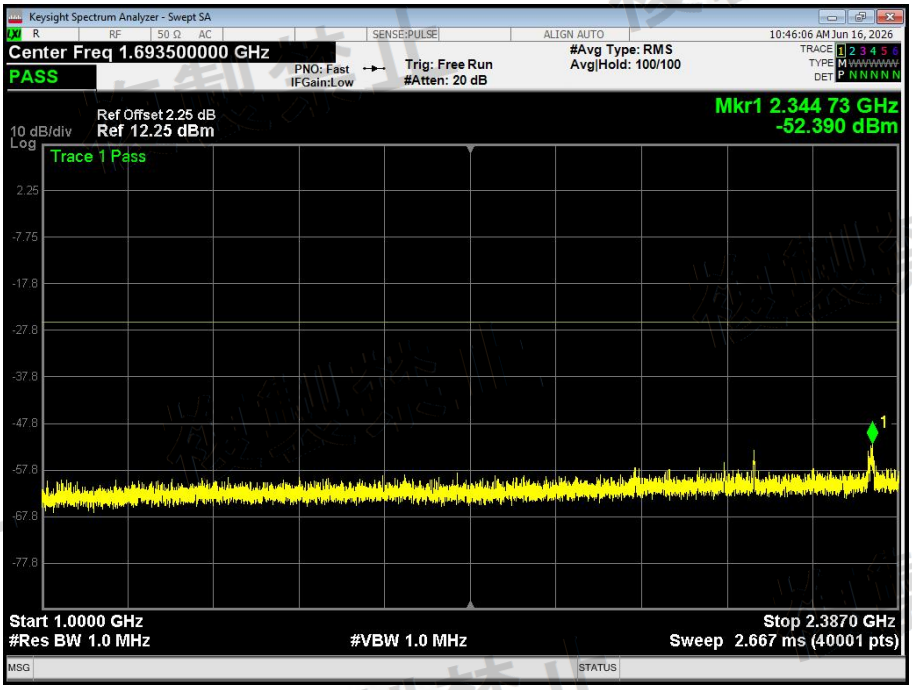


Test voltage	Normal	Channel (MHz)	2440.00

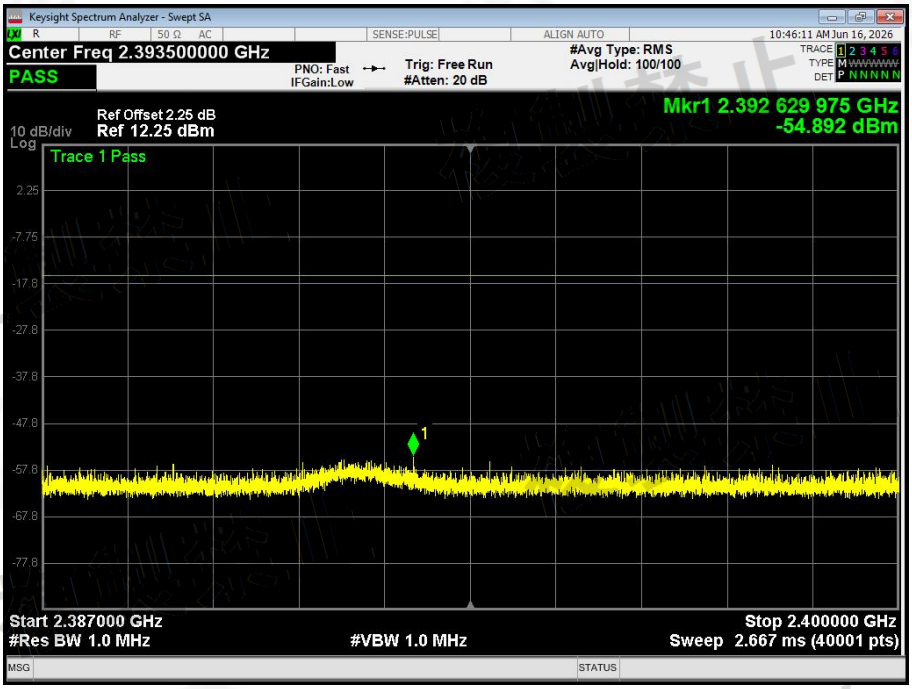
30MHz~1GHz



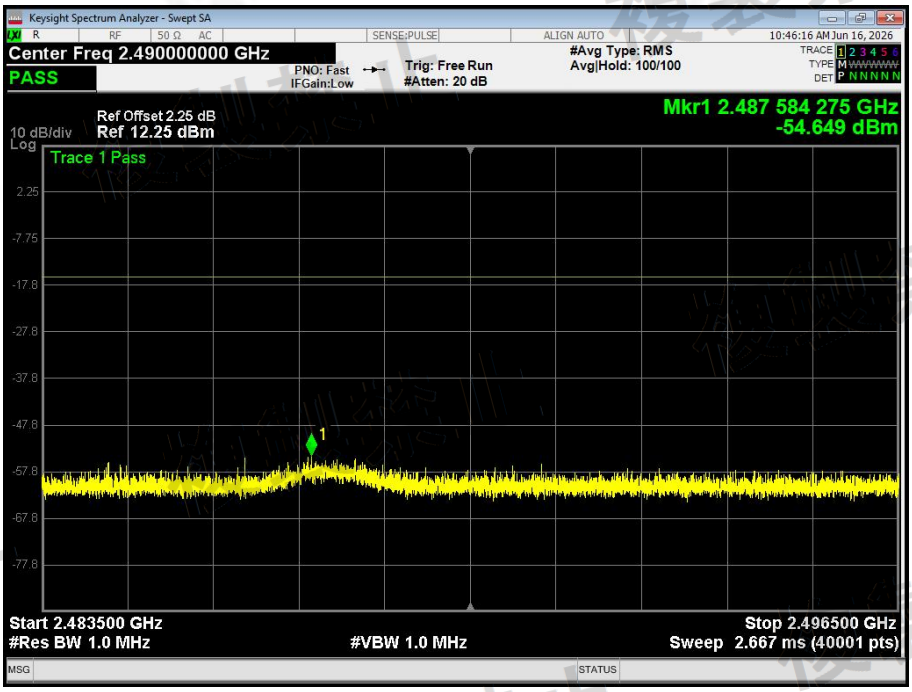
1GHz~2.387GHz



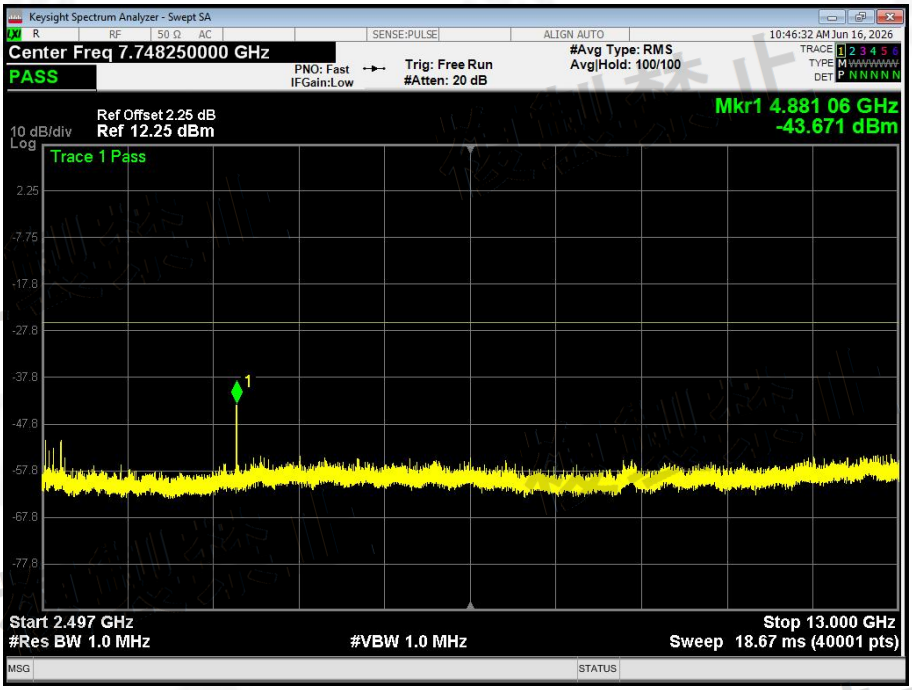
2.387GHz~2.4GHz



2.4835Hz~2.4965GHz

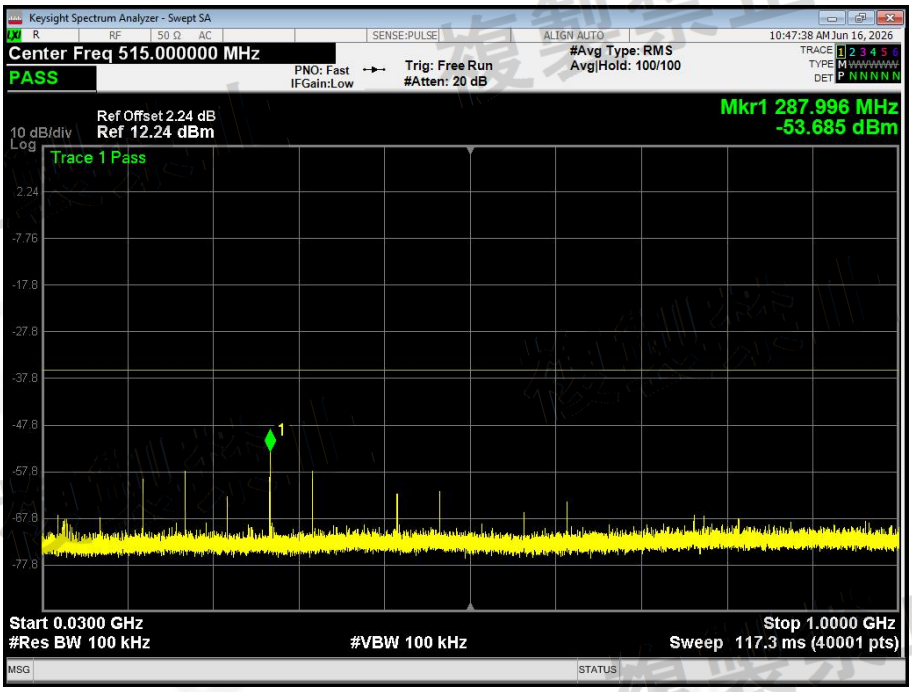


2.4965GHz~12.5GHz

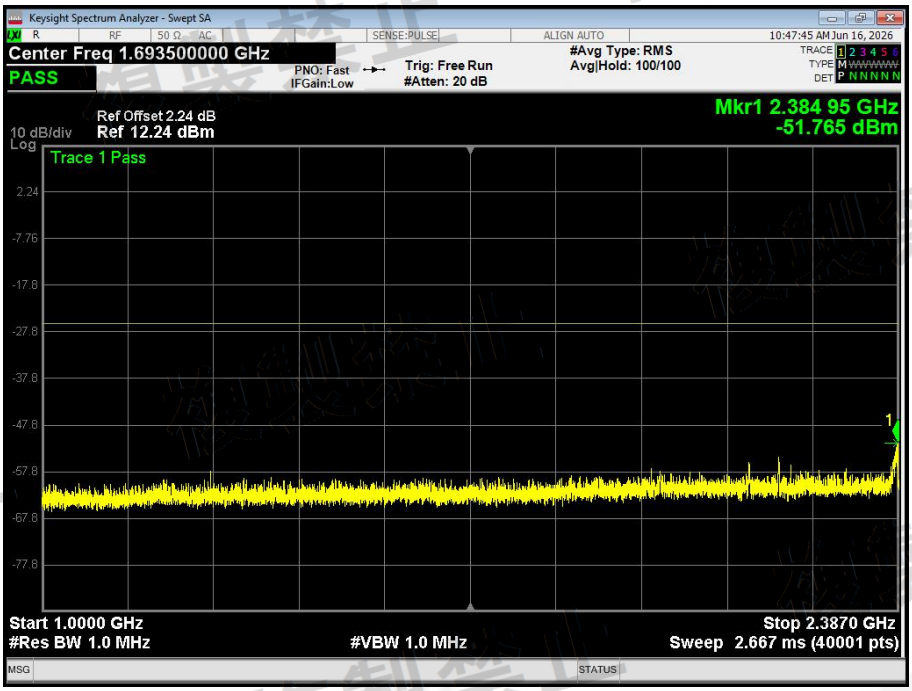


Test voltage	Normal	Channel (MHz)	2480.00

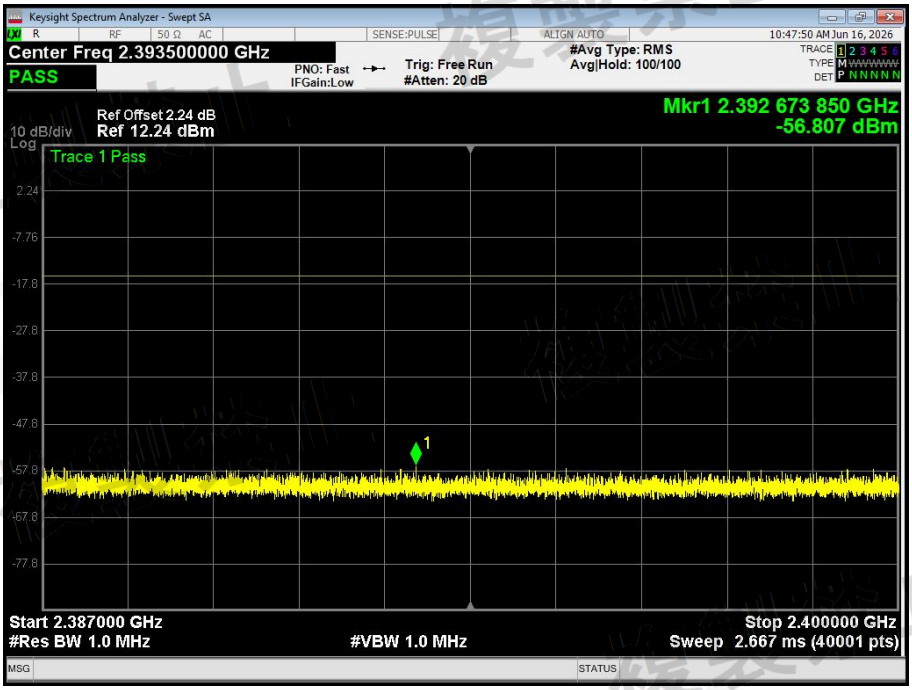
30MHz~1GHz



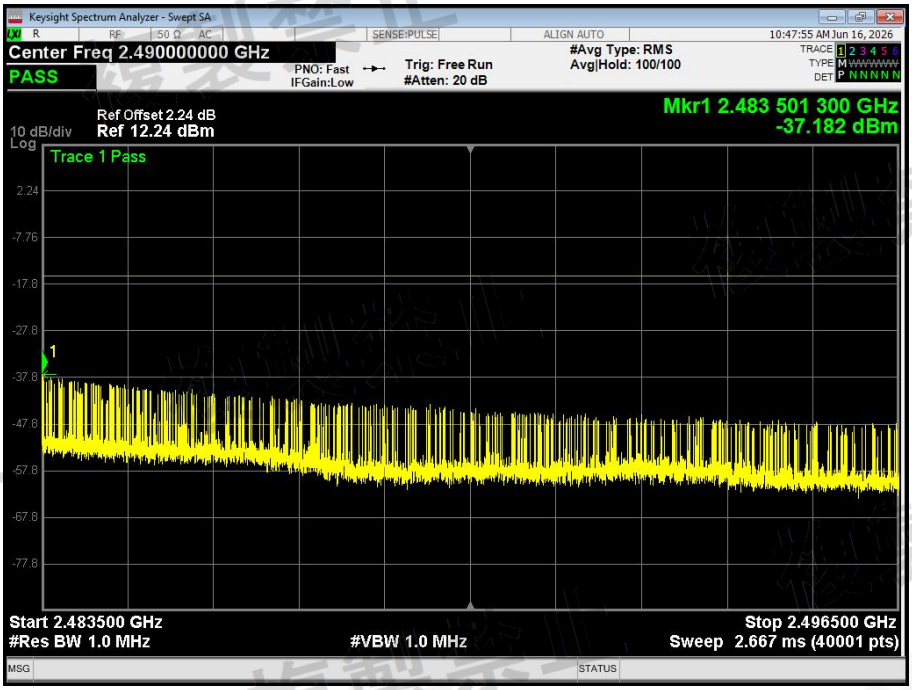
1GHz~2.387GHz



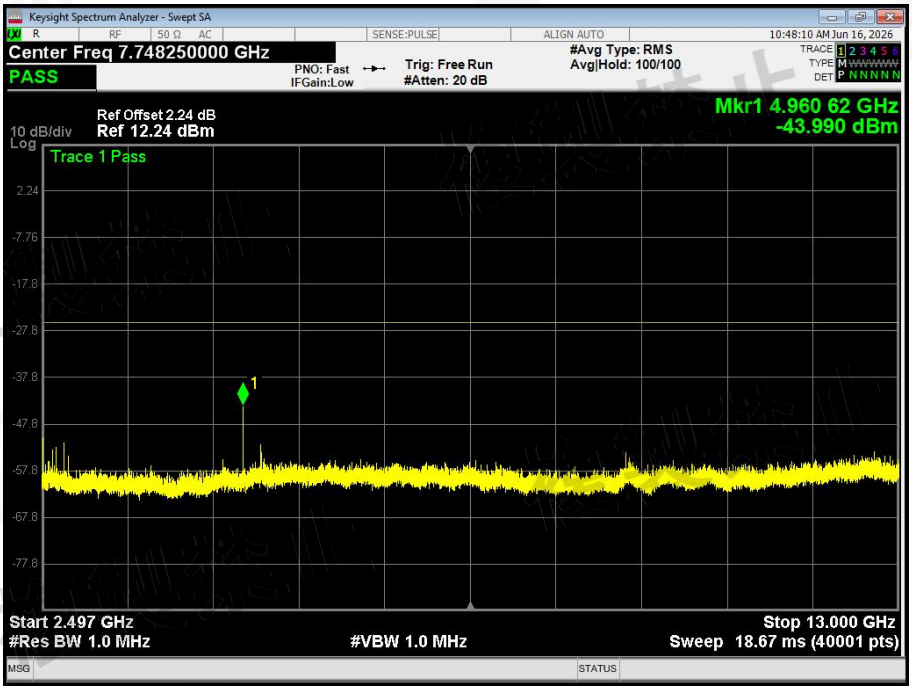
2.387GHz~2.4GHz



2.4835Hz~2.4965GHz



2.4965GHz~12.5GHz



5.5 IMITATION OF COLLATERAL EMISSION OF RECEIVER MEASUREMENT

5.5.1 LIMIT

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

5.5.2 MEASURING INSTRUMENTS AND SETTING

Please refer to section 3.6 in this report. 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

5.5.3 TEST PROCEDURES

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) /
AT: 10dB / Ref: 0dBm / 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 12500MHz. 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 (.0.4nW for f < 1GHz, 2nW for f >= 1GHz), all those are to be indicated in the 2nd and 3rd lines. If others are 1/10 or less more of the limit, no necessary to be indicated.

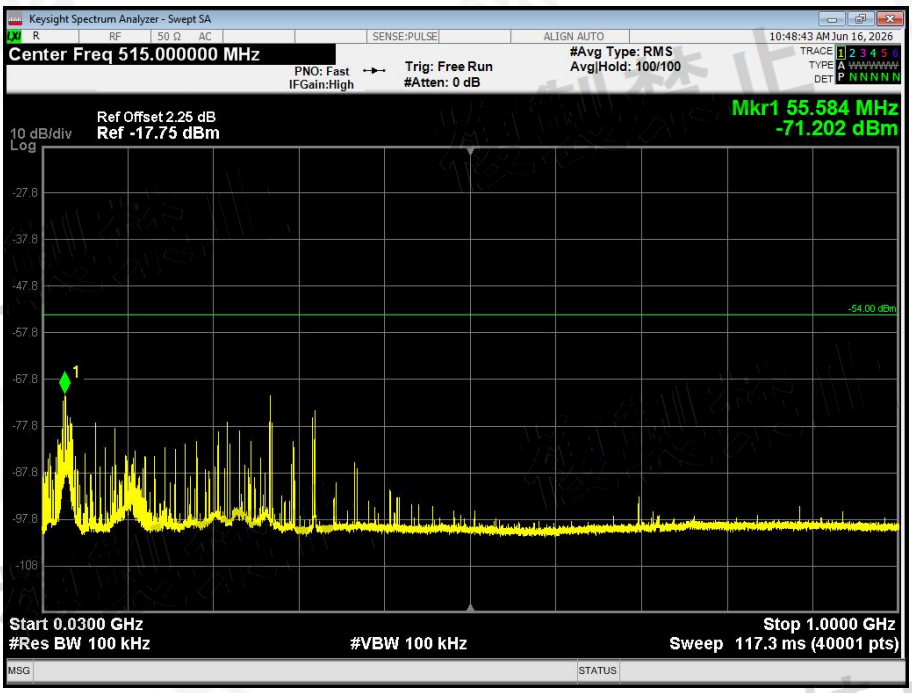
5.5.4 TEST RESULT

Test Voltage	Test Mode	Frequency (MHz)	Range (MHz)	Emission Frequency (MHz)	Max Value (dBm)	Max Value (nW)	Limit (nW)	Verdict
Normal	GFSK	2402	30-1000	55.584	-71.202	0.07582	4	Pass
Normal	GFSK	2402	1000-12500	2416.513	-65.602	0.27530	20	Pass
Normal	GFSK	2440	30-1000	55.414	-70.384	0.09154	4	Pass
Normal	GFSK	2440	1000-12500	2416.513	-64.284	0.37291	20	Pass
Normal	GFSK	2480	30-1000	55.39	-70.546	0.08819	4	Pass
Normal	GFSK	2480	1000-12500	2410.475	-66.563	0.22065	20	Pass

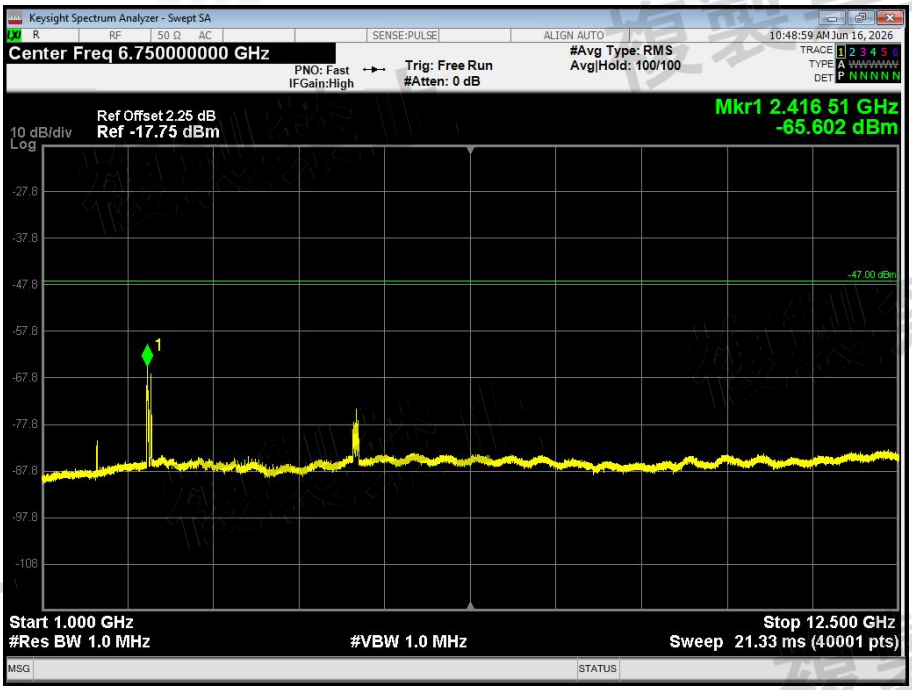
Modulation type: GFSK

Test voltage	Normal	Channel (MHz)	2402.00

30MHz~1GHz



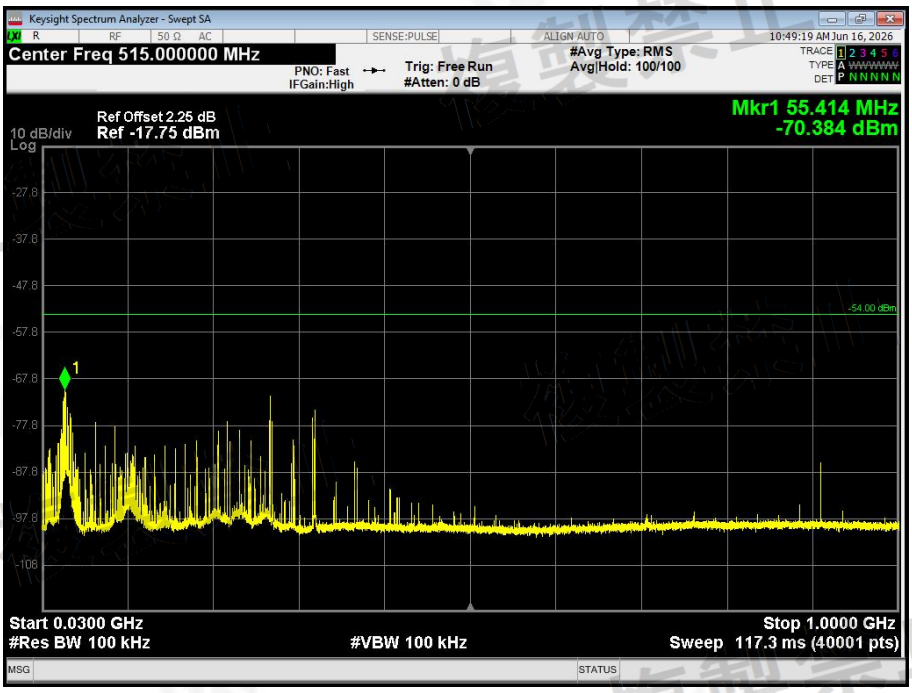
1GHz~12.5GHz



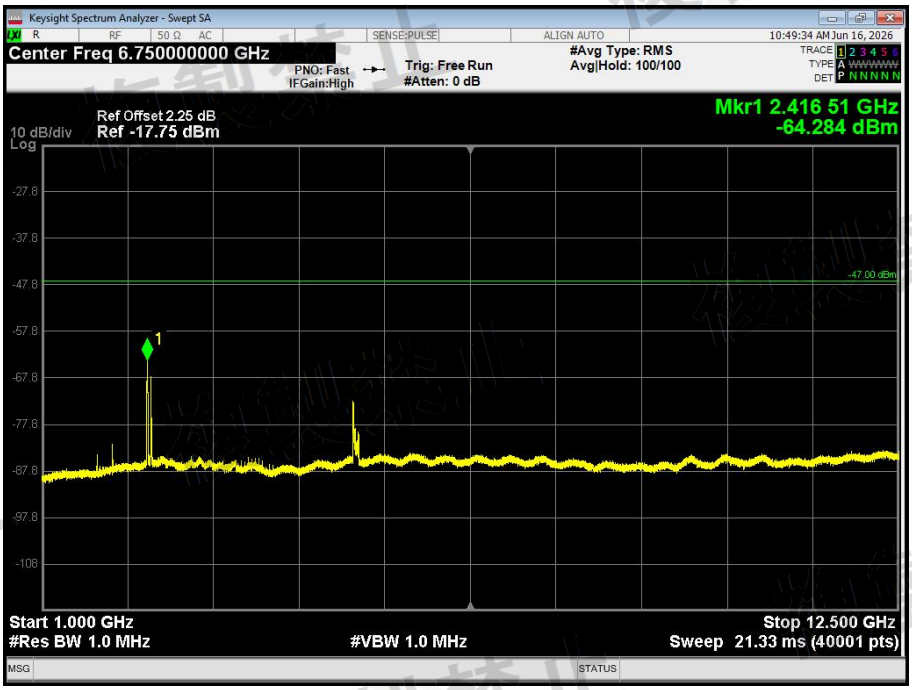
Modulation type: GFSK

Test voltage	Normal	Channel (MHz)	2440.00

30MHz~1GHz



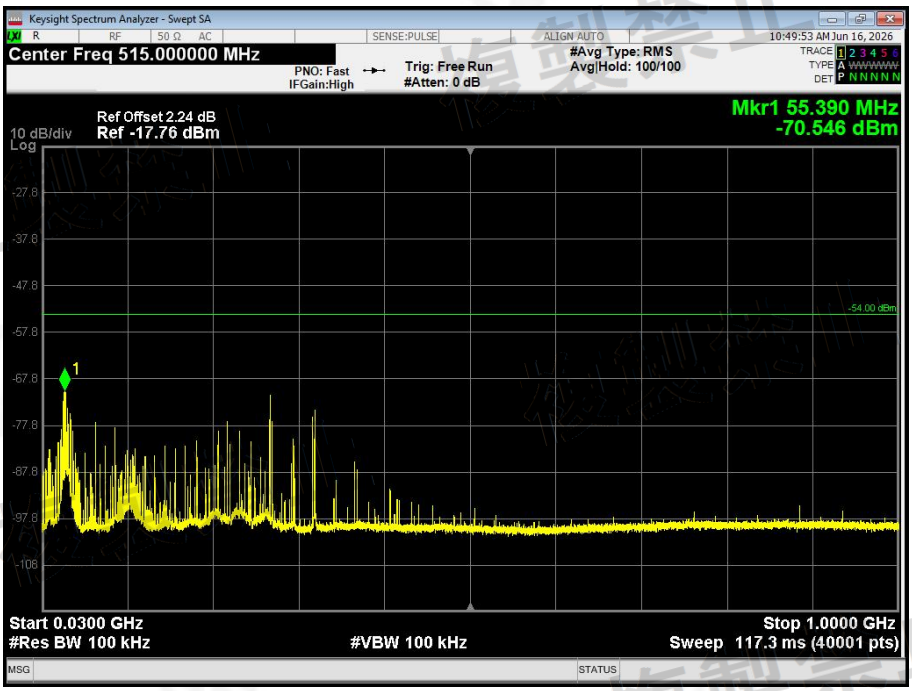
1GHz~12.5GHz



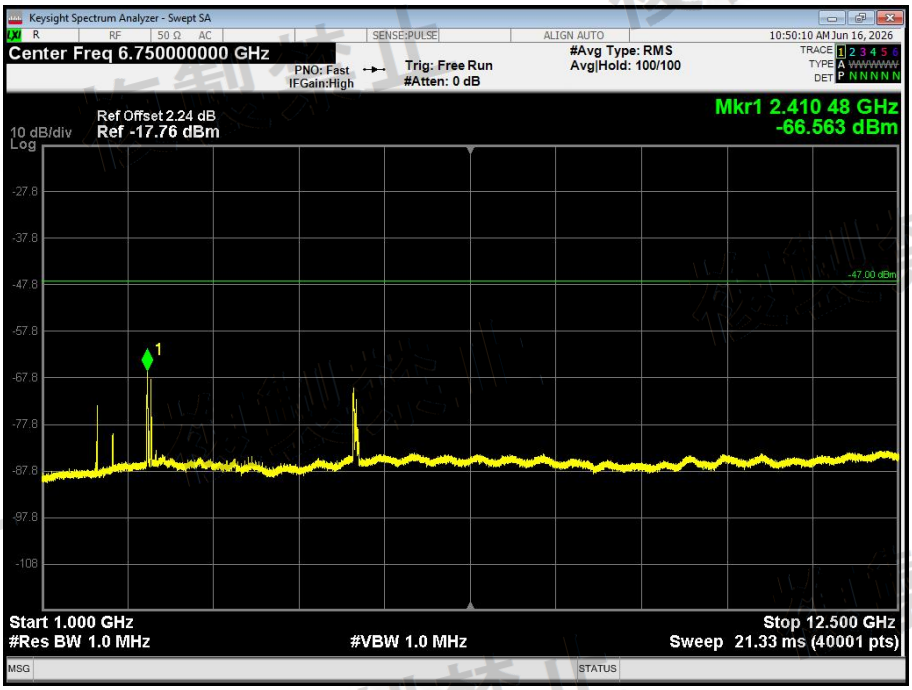
Modulation type: GFSK

Test voltage	Normal	Channel (MHz)	2480.00

30MHz~1GHz



1GHz~12.5GHz



5.6 RADIO INTERFERENCE PREVENTION CAPABILITY MEASUREMENT

5.6.1 LIMIT

Item	Limits
Identification code	≧48 bits

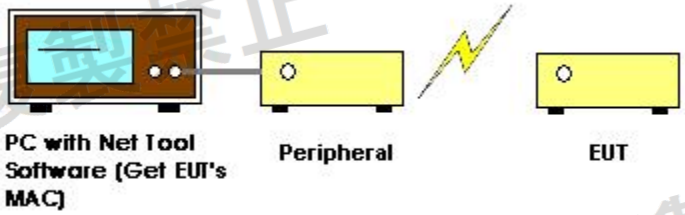
5.6.2 MEASURING ID CODE SOFTWARE

Item	Limits
MAC IP List	MAC Scan

5.6.3 TEST PROCEDURES

1. In the case that the EUT has the function of automatically transmitting the identification code: a. Transmit the predetermined identification codes form EUT. b. Check the transmitted identification codes with the demodulator.
2. In the case of receiving the identification 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.

5.6.4 TEST SETUP LAYOUT



5.6.5 TEST DEVIATION

There is no deviation with the original standard.

5.6.6 EUT OPERATION DURING TEST

The EUT was programmed to be in normal transmitting mode.

5.6.7 TEST RESULT OF RADIO INTERFERENCE PREVENTION CAPABILIT

Bluetooth Device Address: 00:1A:2B:3C:4D:5E

5.7. TRANSMISSION RADIATION ANGLE WIDTH (3DB BEAMWIDTH) MEASUREMENT

5.7.1. LIMIT

Item	Limits
3dB antenna beam width	360/A (If A<1; then A=1) A = {EIRP Power [mW] / 16.36 for DS, OFDM} or A = {EIRP Power [mW] / 4.9 for FH}

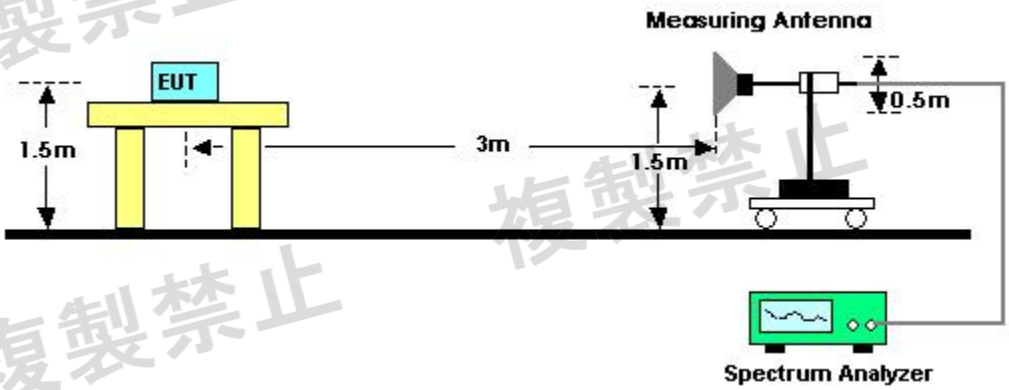
5.7.2. MEASURING INSTRUMENTS AND SETTING

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	0 MHz
RB	1 MHz
VB	1 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

5.7.3. TEST PROCEDURES

1. Set EUT and measuring antenna at the same height and roughly facing each other.
2. Set spectrum analyzer with condition in section 4.7.2 and tune reference level to observe receving signal position.
3. Rotate directions of the EUT horizontally and ertically to find the maximum receiving power.
4. Move the measuring antenna height up and down within ± 50cm of EUT height and swing it to find the maximum output of measuing antenna. The output level at the spectrum analyzer is read as “E”
5. Caluate permitted radiation angle in horizontal and vertical using EIRP measured in another test method.
6. Calculate 3dB antenna beam width by the formula below 360/A (If A<1; then A=1).
   A = {EIRP Power [mW] / 16.36 for DS, OFDM} or
   A = {EIRP Power [mW] / 4.9 for FH}

5.7.4. TEST SETUP LAYOUT



5.7.5. TEST DEVIATION

There is no deviation with the original standard.

5.7.6. EUT OPERATION DURING TEST

The EUT was programmed to be in continuously transmitting mode.

5.7.7. TEST RESULT OF TRANSMISSION RADIATION ANGLE WIDTH (3DB BEAMWIDTH)

Not applicable, when EIRP POWER is less than 12.14dBm.

6. EUT TEST PHOTO

Reference to the appendix I for details.

7. EUT CONSTRUCTIONAL DETAILS

Reference to the appendix II for details.

※※※※※ END OF REPORT ※※※※※