



中认信通

CHINA CERTIFICATION ICT CO., LTD (DONGGUAN)

JAPAN MIC TEST REPORT

Applicant: Shenzhen Tenda Technology Co., Ltd.

Address: 6-8 Floor, Tower E3, No. 1001, Zhongshanyuan Road, Nanshan District, Shenzhen, China. 518052

Product Name: 5MP Outdoor Wi-Fi Pan/Tilt Camera

Model Number: CH7-WCA

Type of Equipment: Certification Ordinance Article 2, Paragraph 1, Item 19

Test method(s): MIC Notice No.88 of 2004, Appendix No.43
(Version: MIC Notice No.409 of 2023)

The above device has been tested and found compliant with the requirement of the relative standards by China Certification ICT Co., Ltd (Dongguan)

Report Number: 2603T14520E-RF-07B

Date Of Issue: 2026/6/17

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Test Facility

The Test site used by China Certification ICT Co., Ltd (Dongguan) to collect test data is located on the Room 101 & 201, Building 2, 256 Pingdong Road, Dalang Town, Dongguan City, Guangdong, China.

Declarations

China Certification ICT Co., Ltd (Dongguan) is not responsible for the authenticity of any test data provided by the applicant. Data included from the applicant that may affect test results are marked with a triangle symbol “▲”. Customer model name, addresses, names, trademarks etc. are not considered data.

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Each test item follows the test standard(s) without deviation.

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
1.0	2603T14520E-RF-07B	Original Report	2026/6/17

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

EUT Name:	5MP Outdoor Wi-Fi Pan/Tilt Camera
Trade Name:	Tenda
EUT Model:	CH7-WCA
Frequency Range:	2402-2480 MHz
Nominal RF Output Power (Conducted):	BLE 1Mbps: 1.32mW BLE 2Mbps: 1.33mW
Number of TX Chain(s):	1
Number of RX Chain(s):	1
Antenna Gain[▲]:	1.94 dBi
Modulation Type:	GFSK
Rated Input Voltage:	DC 12V from adapter
Sample Number:	3N2G-1
EUT Received Date:	2026/6/6
EUT Received Status:	Good

1.2 Operation Frequency Detail

Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	20	2442
1	2404	...	...
...	...	...	...
...	...	...	...
...	...	38	2478
19	2440	39	2480

The test frequencies were performed the test as below:

Test Channel	Frequency (MHz)
Lowest	2402
Middle	2440
Highest	2480

1.3 Accessory Information

Accessory Description	Manufacturer	Model	Parameters
SWITCHING POWER SUPPLY	KLEC	KL-WJ120100-H1	INPUT: 100-240V 50/60Hz 0.5A OUTPUT: 12.0V – 1.0A

1.4 Objective

The objective of this current document is to demonstrate the EUT, as equipment type in Certification Ordinance Article 2-1-19 of Specific Radio Equipment Specified in Article 38-2-2 Paragraph 1 Item 1 of the Radio Law, compliant with Article 49-20 of Radio equipment regulations.

1.5 Test Methodology

All measurements contained in this report were conducted with technical regulations of MIC Notice No.88 of 2004, Appendix No.43 (Version: MIC Notice No.409 of 2023).

1.6 Description of Test Configuration

1.6.1 EUT Operation Condition

EUT Operation Mode:	The system was configured for testing in Engineering Mode, which was provided by the manufacturer.		
Equipment Modifications:	No		
EUT Exercise Software:	SecureCRT.exe		
The software was provided by manufacturer. The maximum power was configured as below, that was provided by the manufacturer▲：			
Test Modes	Power Level Setting		
	Lowest	Middle	Highest
BLE 1Mbps	Default	Default	Default
BLE 2Mbps	Default	Default	Default

1.6.2 EUT Extremity Condition

Environment Element	Range	Declared Voltage Value (Vdc)	Measured Voltage (Vdc)	Voltage Variation (%)
Voltage Fluctuation:	NV	12	3.3	/
	LV	11.4	3.3	0
	HV	12.6	3.3	0

Note:

- Voltage Variation (%) = (Measured Voltage at High or Low Voltage - Measured Voltage at Normal Voltage) / Measured Voltage at Normal Voltage*100.
- The Measured Voltage for the Radio Part fluctuation is verified at the power input PIN of the RF circuit.

The EUT be operated at 11.4~12.6Vdc which was provided by manufacturer, the supply voltage of RF part was varied within ±1%. All test cases were done under the **Normal Voltage (NV)** only.

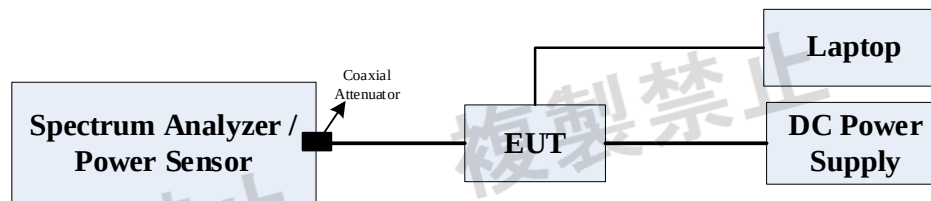
1.6.3 Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
Lenovo	Laptop	T460S	60PDTEK7

1.6.4 Support Cable List and Details

Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
Detachable Power Cable	No	No	1	DC Power Supply	EUT
RJ45 Cable	No	No	1.5	Laptop	EUT

1.6.5 Block Diagram of Test Setup



1.7 Measurement Uncertainty

Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval.

Parameter	Measurement Uncertainty
Frequency Error	$\pm 0,5$ ppm
Occupied bandwidth and spreading bandwidth	± 5 %
RF output power, conducted	± 0.61 dB
Unwanted Emissions (TX&RX), conducted	± 2.47 dB
Temperature	$\pm 1^{\circ}\text{C}$
Humidity	± 5 %
DC and low frequency voltages	± 0.4 %
Duty Cycle	1%

2. SUMMARY OF TEST RESULTS

Certification Ordinance Article 2-1-19 Conducted with: MIC Notice No.88 Appendix No.43	Description of Test	Result
1	Frequency Error	Compliant
2	Occupied Bandwidth	Compliant
3	Transmitter Spurious Emission and Unwanted Emission Intensity	Compliant
4	Antenna Output Power and Output Power Tolerance	Compliant
5	Receiver Spurious Emission and Unwanted Emission Intensity	Compliant
6	Carrier sense capability	Not Applicable*
7	Transmission Frequency Switching Function	Not Applicable**
8	Transmission Antenna Gain	Not Applicable***
9	Transmission Radiation Angle Width	Not Applicable***
10	Interference Prevention Function	Compliant
11	Frequency Hopping Dwell Time	Not Applicable****
12	Construction Protection Confirmation	Compliant

Note:

Not Applicable*: Only required for OBW between 26MHz and 40MHz with OFDM modulation type.

Not Applicable**: Only required for device with "the EIRP shortage is compensated by Antenna output power" function.

Not Applicable***: This item not applicable when the EIRP less than the limit.

Not Applicable****: Testing is only required for FHSS system devices.

3. REQUIREMENTS AND TEST PROCEDURES

3.1 Frequency Error

3.1.1 Limit

Within ± 50 ppm.

3.1.2 Test Procedure

Set the EUT to the measurement frequency without modulation.

Setting of SA is following as: Sweep time: Auto / Sweep Mode: Continuous sweep / Detect mode:

Positive peak / Trace mode: MAX Hold.

Record the peak spot frequency.

If the EUT can't set at un-modulation mode, measure the 10dBc center frequency.

3.2 Occupied Bandwidth

3.2.1 Limit

- Occupied bandwidth: ≤ 26 MHz

3.2.2 Test Procedure

- Setting of SA is following as: RB: 30 kHz/VB: 30 kHz / 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. SA set to 99% of occupied bandwidth to measure occupied bandwidth.

3.3 Transmitter Spurious Emission Strength and Unwanted Emission Intensity

3.3.1 Limit

- $30\text{MHz} \leq f < 2387\text{ MHz}: \leq 2.5\mu\text{W/ MHz}$
- $2387\text{ MHz} \leq f \leq 2400\text{ MHz}: \leq 25\mu\text{W/ MHz};$
- $2483.5\text{ MHz} < f \leq 2496.5\text{ MHz}: \leq 25\mu\text{W/ MHz}$
- $2496.5\text{ MHz} < f \leq 12500\text{MHz}: \leq 2.5\mu\text{W/ MHz}$

3.3.2 Test Procedure

❖ Conditions of Application Equipment (EUT)

- The modulation state shall be in continuously transmitting mode.

❖ Spectrum Analyzer Conditions

- Setting of SA start 30MHz and stop frequency 1000MHz, RB:100kHz/VB:100kHz, Sweep time: Auto. Sweep mode: continuous sweep. Detect mode: Positive peak/Trace mode: max hold. Then to mark peak. reading value + cable loss shall be less than $0.25\mu\text{W}/100\text{kHz}$.
- Setting of SA start 1000MHz and stop frequency 2387MHz, RB:1MHz/VB:1MHz, Sweep time: Auto. Sweep mode: continuous sweep. Detect mode: Positive peak/Trace mode: max hold. Then to mark peak. reading value + cable loss shall be less than $2.5\mu\text{W}/\text{MHz}$.
- Setting of SA start 2387MHz and stop frequency 2400MHz, RB:1MHz/VB:1MHz, Sweep time: Auto. Sweep mode: continuous sweep. Detect mode: Positive peak/Trace mode: max hold. Then to mark peak. reading value + cable loss shall be less than $25\mu\text{W}/\text{MHz}$.
- Setting of SA start 2483.5MHz and stop frequency 2496.5MHz, RB:1MHz/VB:1MHz, Sweep time: Auto. Sweep mode: continuous sweep. Detect mode: Positive peak/Trace mode: max hold. Then to mark peak. reading value + cable loss shall be less than $25\mu\text{W}/\text{MHz}$.
- Setting of SA start 2496.5MHz and stop frequency 12500MHz, RB:1MHz/VB:1MHz, Sweep time: Auto. Sweep mode: continuous sweep. Detect mode: Positive peak/Trace mode: max hold. Then to mark peak. reading value + cable loss shall be less than $2.5\mu\text{W}/\text{MHz}$.

If above test over the limit, the below test procedure should be used:

Step 1:

Center the frequency which was want to investigate, search the peak frequency.

Step 2:

Center frequency: Searched Frequency

Span: 0Hz

RBW: 1MHz(Above 1GHz), VBW: Same as RBW.

Sweep time: Auto(Minimum time to ensure measurement accuracy. *In case of burst wave, one burst shall be included per data point) Data points: 400 points or more. Sweep mode: Single Sweep.

Detection Mode: Sample

3.4 Antenna Output Power and Antenna Power Tolerance

3.4.1 Limit

Antenna output power:

- $\leq 10 \text{ mW}$
- The Output Power Tolerance must not greater than +20%.
- $\text{EIRP} \leq 12.14\text{dBm}$ (other from 2400-2483.5 MHz)

3.4.2 Test Procedure

- Set the EUT in continuous maximum power transmitting mode.
- Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to power meter.
- Add a correction factor to the display.
- Set the power meter detector to average detector, to test average output power, record the result.
- Antenna Power Error is definition that actual measure antenna power tolerance not greater than +20% that base on manufacturer declare the power density.

3.5 Receiver Spurious Emission and Unwanted Emission Intensity

3.5.1 Limit

- $\leq 4 \text{ nW}$ ($30 \text{ MHz} \leq f \leq 1000 \text{ MHz}$)
- $\leq 20 \text{ nW}$ ($1 \text{ GHz} \leq f \leq 12.5 \text{ GHz}$)

3.5.2 Test Procedure

❖ Conditions of Application Equipment (EUT)

- The modulation state shall be “continuous receiving mode”.

❖ Spectrum Analyzer Conditions

- Start Frequency: Start Frequency of frequency range to measure (30MHz to 1GHz)
- Stop Frequency: Stop Frequency of frequency range to measure (1GHz to 12.5GHz)
- Span: AUTO (Measurement Range)
- RBW: 100 kHz, VBW: 100 kHz for Frequency < 1 GHz
- RBW: 1MHz, VBW: 1MHz for Frequency > 1 GHz
- Sweep time: AUTO or more
- Sweep mode: Auto Sweep
- Detection: Positive Peak
- Reference Level: Enough level for maximum dynamic range

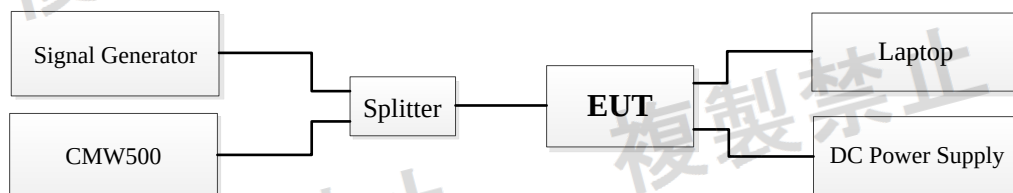
3.6 Interference Prevention Function

3.6.1 Requirement

The EUT shall have the interference prevention capability to transmit or to receive the identification automatically, so that sender and receiver shall exclude other equipment.

3.6.2 Test Procedure

Measurement System Diagram:



In the case that the EUT has the function of automatically transmitting the identification code:

1. Transmit the predetermined identification codes from EUT
2. Check the transmitted identification codes with the demodulator.

In the case of receiving the identification codes:

1. Transmit the predetermined identification codes from the counterpart.
2. Check if communication is normal
3. Transmit the signal other than predetermined ID codes from the counterpart.
4. Check if the EUT stops the transmission, or if it displays that identification codes are different from the predetermined ones.

3.7 Construction Protection Confirmation

3.7.1 Requirements

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

4. TEST DATA AND RESULTS

4.1 Test Environmental Conditions & Test Equipment List and Details

Test Date:		2026/06/09			
Tester:		Chloe Zhao			
Environmental Conditions:					
Temperature: (°C)	24.8	Relative Humidity: (%)	50	ATM Pressure: (kPa)	99.6

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date	Calibration Agency	Calibration Method ^{Note}
R&S	Spectrum Analyzer	FSU26	200445	2025/11/10	2026/11/09	BACL Cal	C
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	N/A	CCICT	D
JD	Test software	JD Auto Test System	V1.0	N/A	N/A	N/A	N/A
Agilent	USB Average Power Sensor	U2001H	MY50000432	2026/2/27	2027/2/26	BACL Cal	C
GWINSTEK	DC Power Supply	SPS3610	D33251	N/A	N/A	N/A	N/A
Agilent	MXG Vector Signal Generator	N5182B	MY51350144	2025/11/14	2026/11/13	BACL Cal	C
R&S	Wideband Radio Communication Tester	CMW500	143458	2026/02/27	2027/02/26	BACL Cal	C
UNI-T	Multimeter	UT39A+	C210582554	2025/11/11	2026/11/10	BACL Cal	C
Minl-Clruiuts	Power Splitter	ZFRSC-183-S+	S F448201619	Each time	N/A	CCICT	D

*** Statement of Traceability:** China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Note:

A. Calibration conducted by the National Institute of Information and Communications Technology (NICT) (hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph (1).

B. Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Law (Law No. 51 of 1992).

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

D. Calibration conducted by using measuring instruments and other equipment which shall have been given any of calibration, etc. listed above from a) to c)

4.2 Frequency Error

Test Result: Compliant. Please refers to following table and plots.

Test Mode: Carrier transmitting mode

Mode	Channel	F _c (MHz)	F _L (MHz)	F _H (MHz)	F ₀ (MHz)	Result (ppm)	Limit (ppm)	Verdict
BLE 1M	Low	2402	2401.55200	2402.39000	2401.97100	-12.07	± 50	Pass
	Middle	2440	2439.55200	2440.39000	2439.97100	-11.89		Pass
	High	2480	2479.55200	2480.39000	2479.97100	-11.69		Pass
BLE 2M	Low	2402	2401.16000	2402.80400	2401.98200	-7.49		Pass
	Middle	2440	2439.16000	2440.80400	2439.98200	-7.38		Pass
	High	2480	2479.16000	2480.80400	2479.98200	-7.26		Pass

Note:

Result = $(F_0 - F_c)/F_c * 10^6$, where $F_0 = (F_L + F_H)/2$

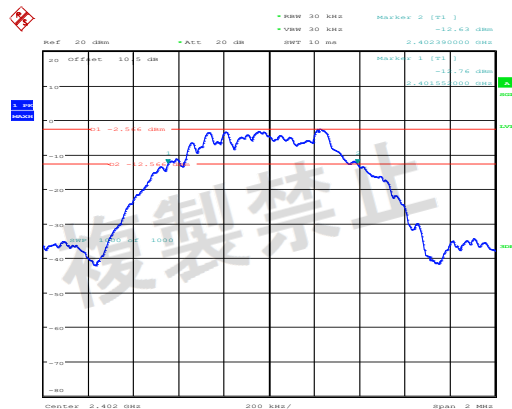
F_L is the lower edge of the 10dBc center frequency

F_H is the upper edge of the 10dBc center frequency.

Please refer to the following plots:

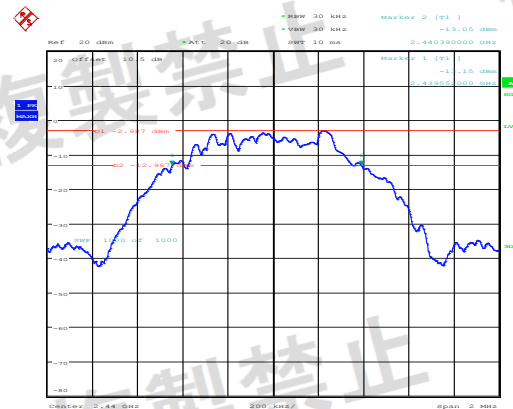
Test Condition: NV

BLE 1M_Low Channel



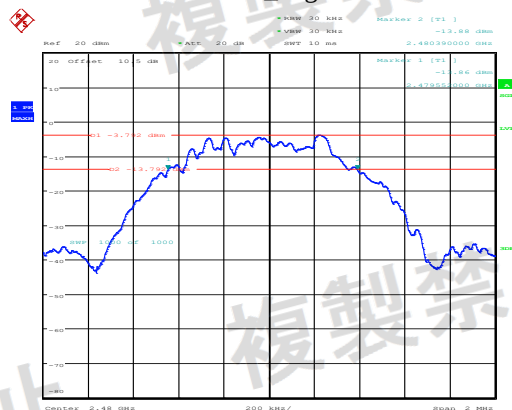
ProjectNo.:2603T14520E-RF Tester:Chloe Zhao
Date: 9.JUN.2026 13:30:02

BLE 1M_Middle Channel



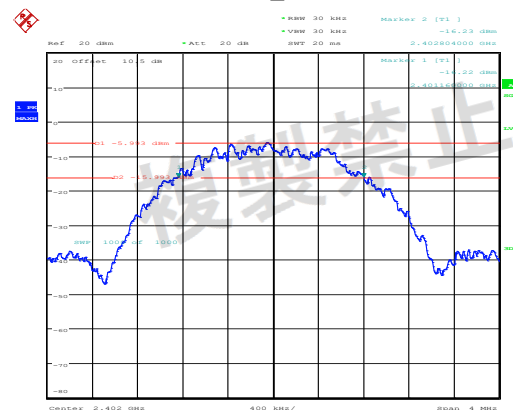
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Date: 9.JUN.2026 13:32:26

BLE 1M_High Channel



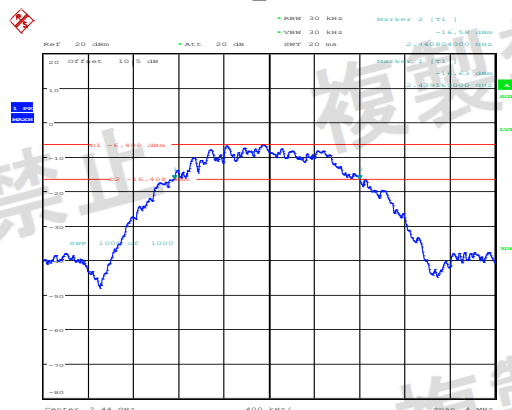
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Date: 9.JUN.2026 13:34:34

BLE 2M_Low Channel



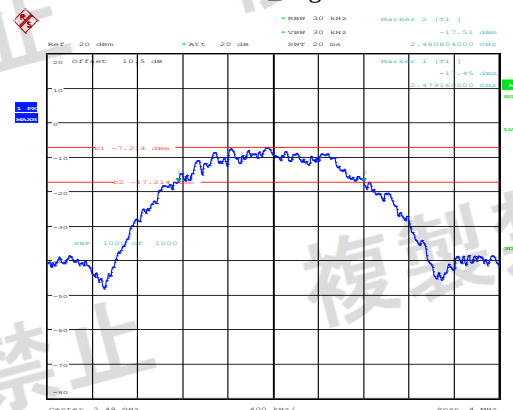
ProjectNo.:2603T14520E-RF Tester:Chloe Zhao
Date: 9.JUN.2026 13:31:11

BLE 2M_Middle Channel



ProjectNo.:2603T14520E-RF Tester:Chloe Zhao
Date: 9.JUN.2026 13:33:34

BLE 2M_High Channel



ProjectNo.:2603T14520E-RF Tester:Chloe Zhao
Date: 9.JUN.2026 13:35:58

4.3 Occupied Bandwidth

Test Result: Compliant. Please refers to following table and plots.

Test Mode: Transmitting

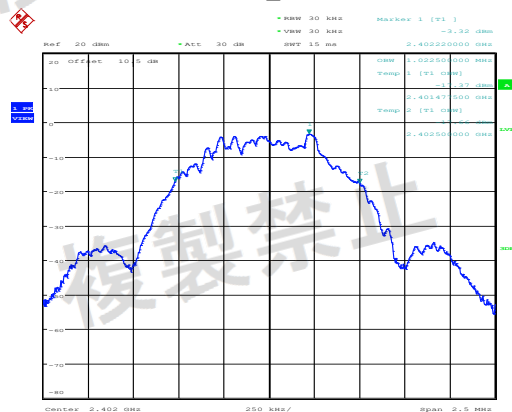
Test Condition: NV

Mode	Occupied Bandwidth (MHz)			Limit (MHz)	Verdict
	Low Channel	Middle Channel	High Channel		
BLE 1M	1.023	1.023	1.023	≤ 26	Pass
BLE 2M	2.05	2.05	2.055		Pass

Please refer to the following plots:

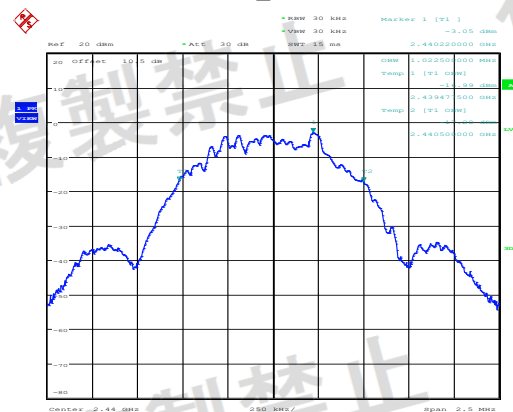
Test Condition: NV

BLE 1M_Low Channel



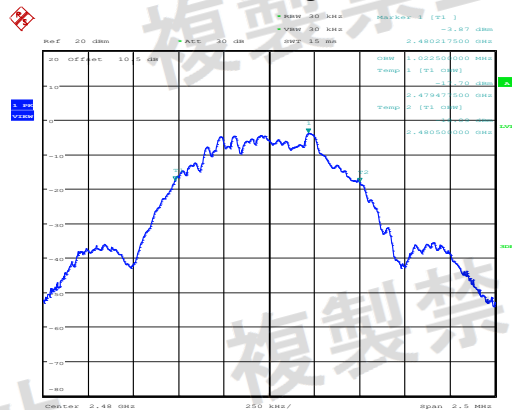
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Date: 9.JUN.2026 11:42:00

BLE 1M_Middle Channel



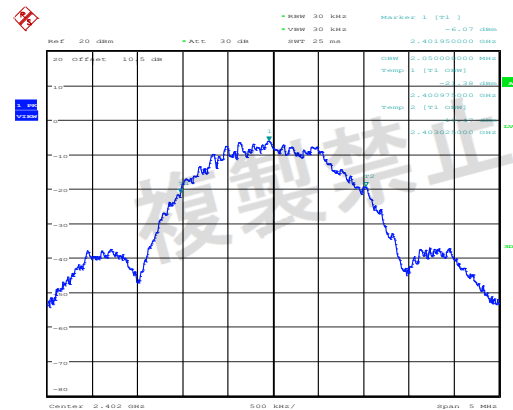
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Date: 9.JUN.2026 13:20:30

BLE 1M_High Channel



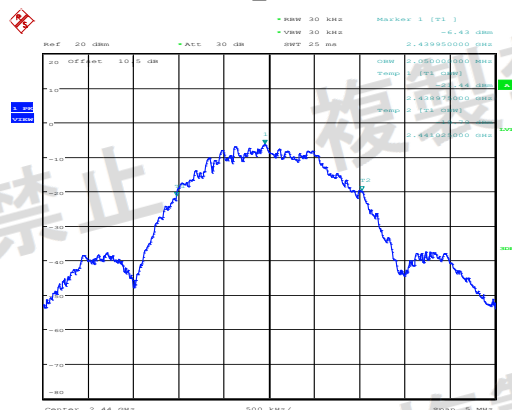
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Date: 9.JUN.2026 13:24:06

BLE 2M_Low Channel



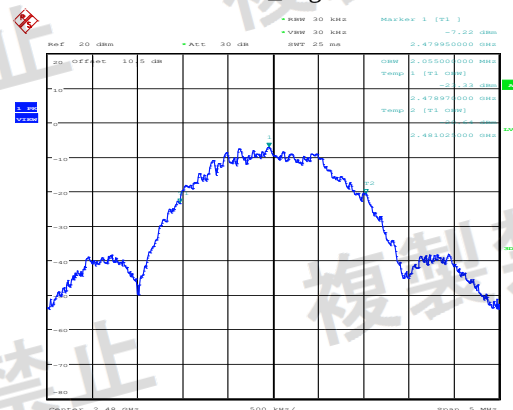
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Date: 9.JUN.2026 13:17:59

BLE 2M_Middle Channel



ProjectNo.:2603T14520E-RF Tester:Chloe Zhao
Date: 9.JUN.2026 13:22:16

BLE 2M_High Channel



ProjectNo.:2603T14520E-RF Tester:Chloe Zhao
Date: 9.JUN.2026 13:26:07

4.4 Transmitter Spurious Emission Strength and Unwanted Emission Intensity

Test Result: Compliant. Please refers to following tables and plots.

Test Mode: Transmitting

Test Condition: Normal, BLE 1M

Channel	Test Band (RBW)	Frequency Range		Max.Emission Located(MHz)	Result (dBm/RBW)	Result (nW/RBW)	Limit (nW/RBW)	Verdict
		Start(MHz)	Stop(MHz)					
Low	Band I (100kHz)	30	1000	501.905	-53.68	0.004	0.25	Pass
	Band II (1MHz)	1000	2387	2310.715	-50.21	0.010	2.50	Pass
	Band III (1MHz)	2387	2400	2400.0	-20.99	7.962	25	Pass
	Band IV (1MHz)	2483.5	2496.5	2486.146	-49.43	0.011	25	Pass
	Band V (1MHz)	2496.5	12500	11699.720	-44.66	0.034	2.50	Pass
Middle	Band I (100kHz)	30	1000	416.545	-52.80	0.005	0.25	Pass
	Band II (1MHz)	1000	2387	2135.953	-47.84	0.016	2.50	Pass
	Band III (1MHz)	2387	2400	2390.770	-49.48	0.011	25	Pass
	Band IV (1MHz)	2483.5	2496.5	2488.421	-49.05	0.012	25	Pass
	Band V (1MHz)	2496.5	12500	3416.822	-30.41	0.910	2.50	Pass
High	Band I (100kHz)	30	1000	925.795	-53.43	0.005	0.25	Pass
	Band II (1MHz)	1000	2387	2331.520	-50.02	0.010	2.50	Pass
	Band III (1MHz)	2387	2400	2389.483	-49.74	0.011	25	Pass
	Band IV (1MHz)	2483.5	2496.5	2483.637	-37.50	0.178	25	Pass
	Band V (1MHz)	2496.5	12500	5747.638	-43.18	0.048	2.50	Pass

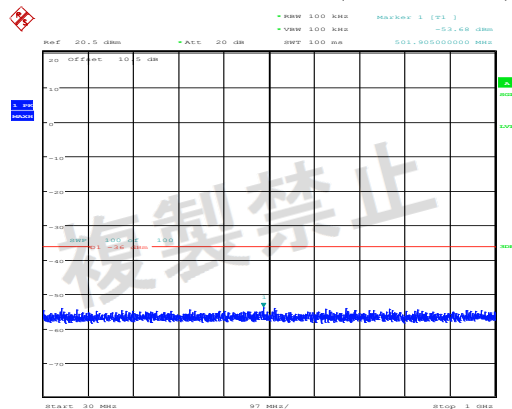
Test Condition: Normal, BLE 2M

Channel	Test Band (RBW)	Frequency Range		Max.Emission Located(MHz)	Result (dBm/RBW)	Result (nW/RBW)	Limit (nW/RBW)	Verdict
		Start(MHz)	Stop(MHz)					
Low	Band I (100kHz)	30	1000	943.255	-53.58	0.004	0.25	Pass
	Band II (1MHz)	1000	2387	2350.938	-35.46	0.284	2.50	Pass
	Band III (1MHz)	2387	2400	2400.0	-20.14	9.674	25	Pass
	Band IV (1MHz)	2483.5	2496.5	2492.587	-49.19	0.012	25	Pass
	Band V (1MHz)	30	1000	369.985	-53.82	0.004	0.25	Pass
Middle	Band I (100kHz)	1000	2387	2352.325	-48.45	0.014	2.50	Pass
	Band II (1MHz)	2387	2400	2391.173	-49.58	0.011	25	Pass
	Band III (1MHz)	2483.5	2496.5	2494.979	-49.31	0.012	25	Pass
	Band IV (1MHz)	2496.5	12500	11849.773	-43.92	0.041	2.50	Pass
	Band V (1MHz)	30	1000	700.755	-53.65	0.004	0.25	Pass
High	Band I (100kHz)	30	1000	943.255	-53.58	0.004	0.25	Pass
	Band II (1MHz)	1000	2387	2248.994	-50.55	0.009	2.50	Pass
	Band III (1MHz)	2387	2400	2389.802	-49.59	0.011	25	Pass
	Band IV (1MHz)	2483.5	2496.5	2483.546	-36.68	0.215	25	Pass
	Band V (1MHz)	2496.5	12500	3421.824	-33.71	0.426	2.50	Pass

Please refer to the below plots:

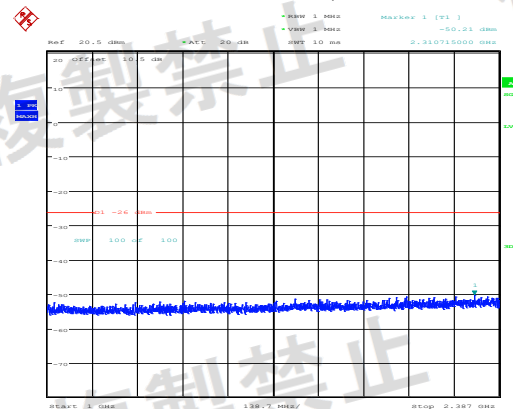
Test Condition: NV

BLE 1M_Low Channel(30MHz~1GHz)



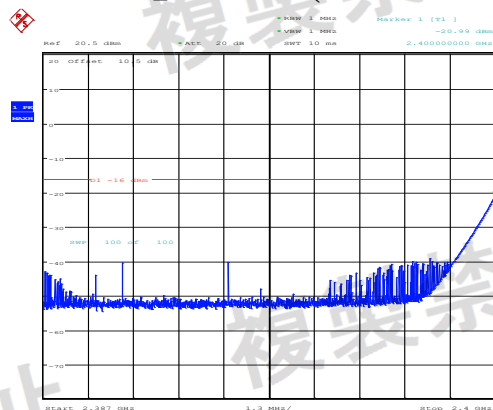
ProjectNo.:2603T14520E-RF Tester:Chloe Zhao
Date: 9.JUN.2026 11:47:13

BLE 1M_Low Channel(1GHz~2.387GHz)



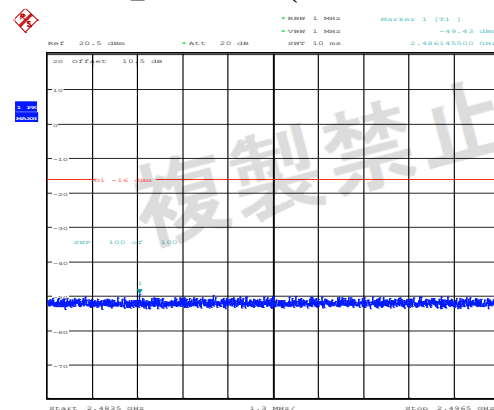
ProjectNo.:2603T14520E-RF Tester:Chloe Zhao
Date: 9.JUN.2026 11:47:34

BLE 1M_Low Channel(2.387GHz~2.4GHz)



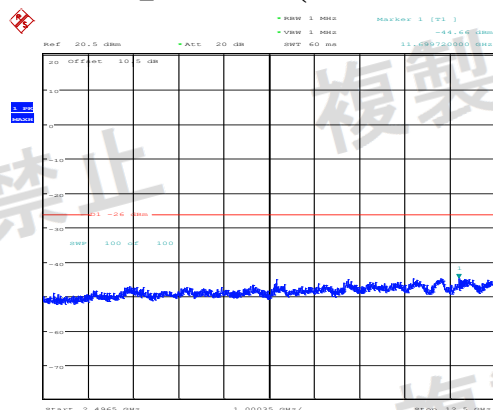
ProjectNo.:2603T14520E-RF Tester:Chloe Zhao
Date: 9.JUN.2026 11:47:53

BLE 1M_Low Channel(2.4835GHz~2.4965GHz)



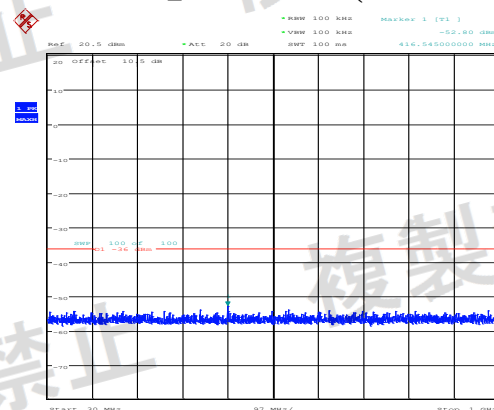
ProjectNo.:2603T14520E-RF Tester:Chloe Zhao
Date: 9.JUN.2026 11:48:12

BLE 1M_Low Channel(2.4965GHz~12.5GHz)



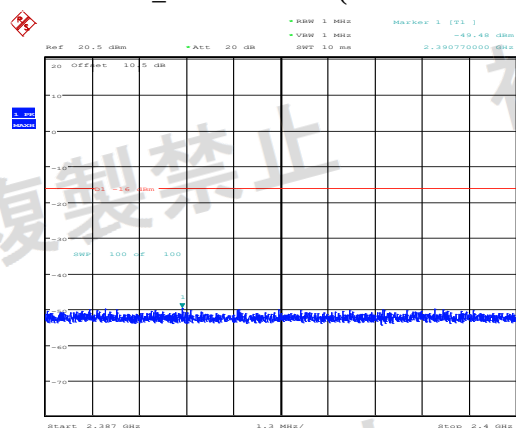
ProjectNo.:2603T14520E-RF Tester:Chloe Zhao
Date: 9.JUN.2026 13:08:49

BLE 1M_Middle Channel(30MHz~1GHz)



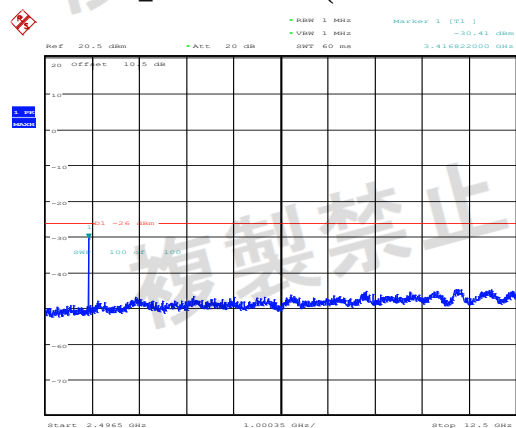
ProjectNo.:2603T14520E-RF Tester:Chloe Zhao
Date: 9.JUN.2026 13:07:29

BLE 1M_Middle Channel(2.387GHz~2.4GHz)



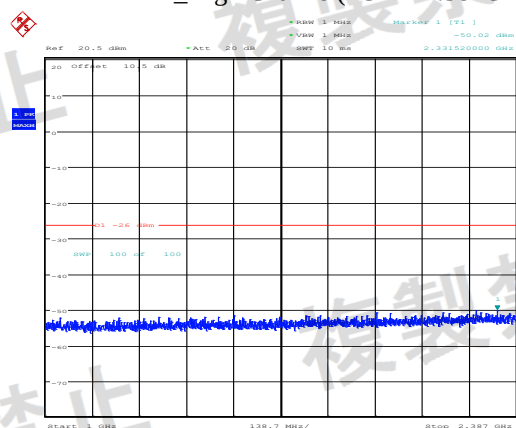
ProjectNo.:2603T14520E-RF Tester:Chloe Zhao
Date: 9.JUN.2026 13:08:09

BLE 1M_Middle Channel(2.4965GHz~12.5GHz)



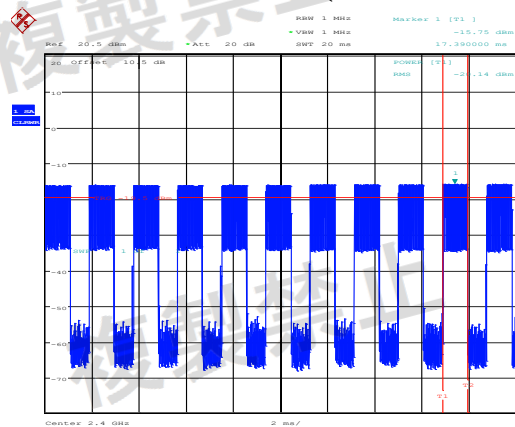
ProjectNo.:2603T14520E-RF Tester:Chloe Zhao
Date: 9.JUN.2026 13:09:06

BLE 1M_High Channel(1GHz~2.387GHz)

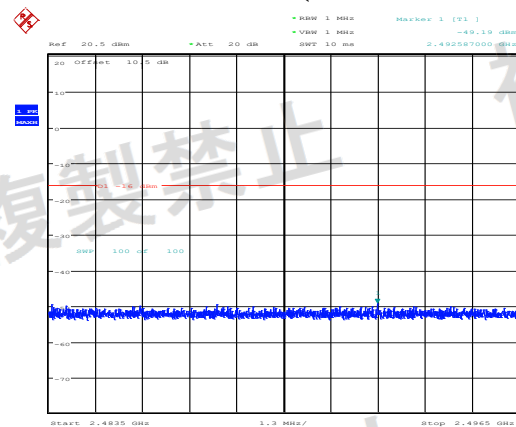


ProjectNo.:2603T14520E-RF Tester:Chloe Zhao
Date: 9.JUN.2026 13:12:53

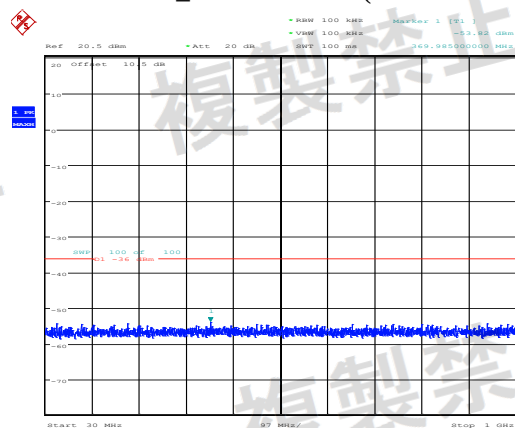
BLE 2M_Low Channel(2.387GHz~2.4GHz)



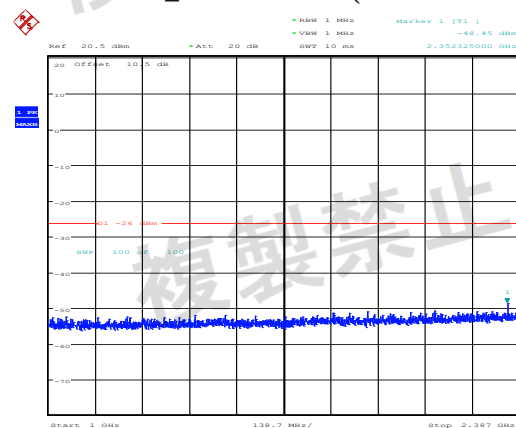
BLE 2M_Low Channel(2.4835GHz~2.4965GHz)



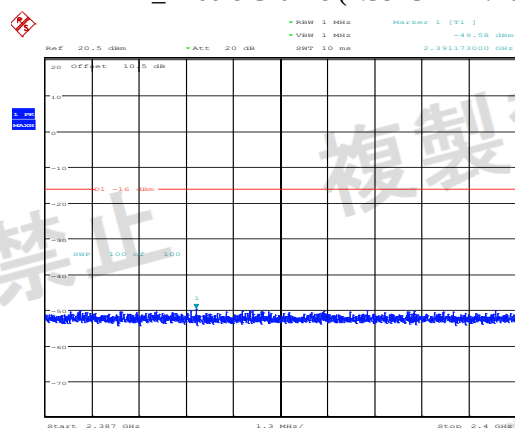
BLE 2M_Middle Channel(30MHz~1GHz)



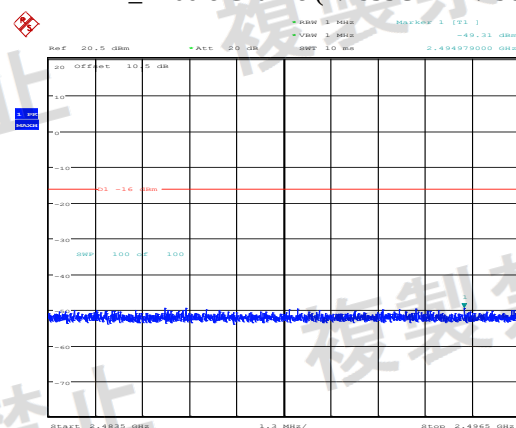
BLE 2M_Middle Channel(1GHz~2.387GHz)



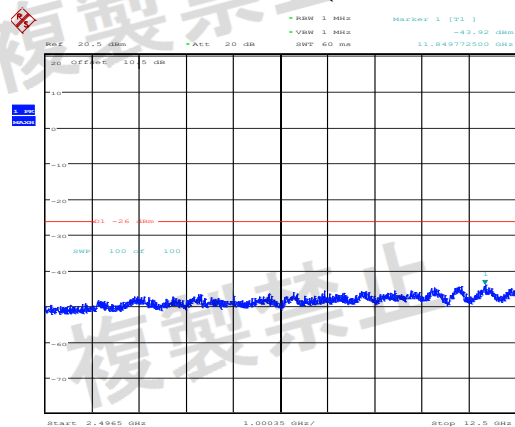
BLE 2M_Middle Channel(2.387GHz~2.4GHz)



BLE 2M_Middle Channel(2.4835GHz~2.4965GHz)

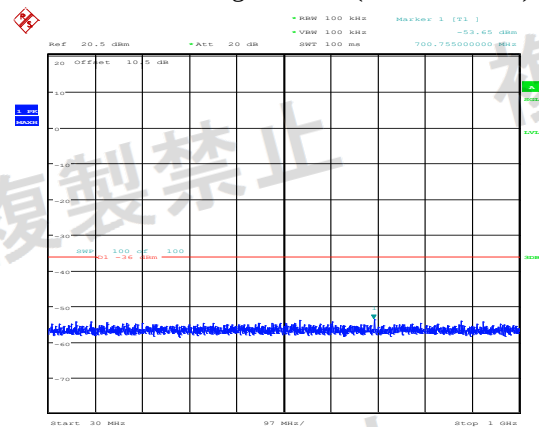


BLE 2M_Middle Channel(2.4965GHz~12.5GHz)



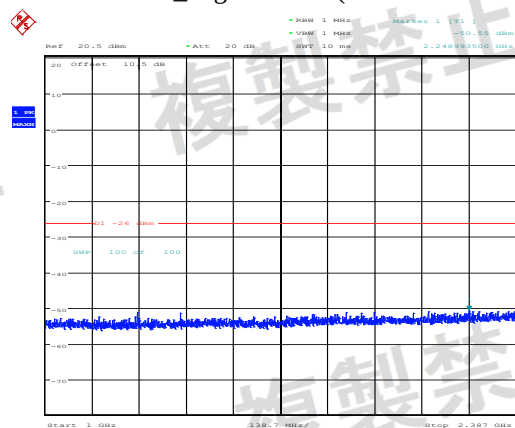
ProjectNo.:2603T14520E-RF Tester:Chloe Zhao
Date: 9 JUN.2026 13:11:28

BLE 2M_High Channel(30MHz~1GHz)



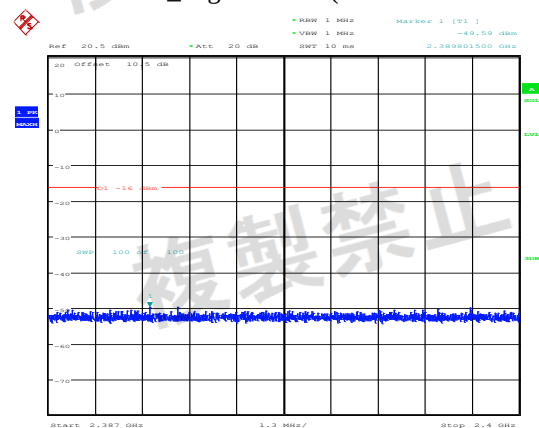
ProjectNo.:2603T14520E-RF Tester:Chloe Zhao
Date: 9 JUN.2026 13:14:50

BLE 2M_High Channel(1GHz~2.387GHz)



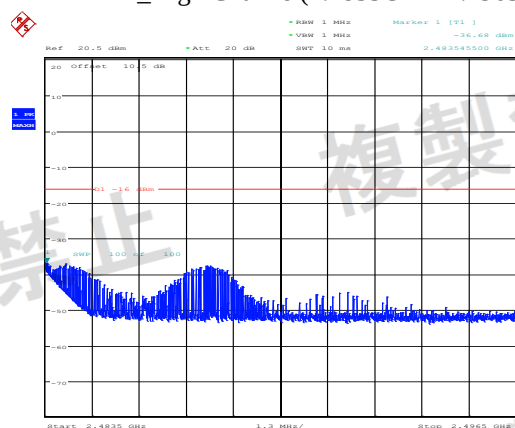
ProjectNo.:2603T14520E-RF Tester:Chloe Zhao
Date: 9 JUN.2026 13:11:12

BLE 2M_High Channel(2.387GHz~2.4GHz)



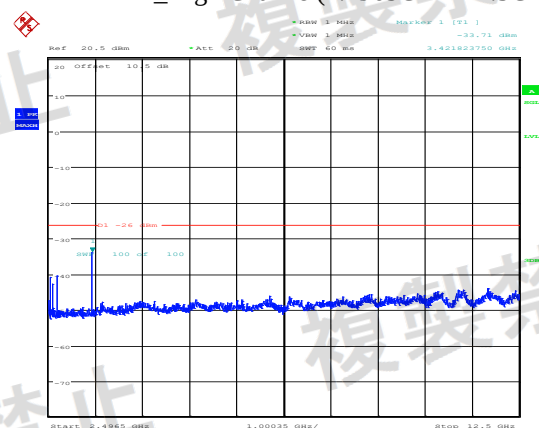
ProjectNo.:2603T14520E-RF Tester:Chloe Zhao
Date: 9 JUN.2026 13:15:31

BLE 2M_High Channel(2.4835GHz~2.4965GHz)



ProjectNo.:2603T14520E-RF Tester:Chloe Zhao
Date: 9 JUN.2026 13:15:50

BLE 2M_High Channel(2.4965GHz~12.5GHz)



ProjectNo.:2603T14520E-RF Tester:Chloe Zhao
Date: 9 JUN.2026 13:16:27

4.5 Antenna Output Power and Antenna Power Tolerance

Test Result: Compliant. Please refers to following tables.

Test Mode: Transmitting

Mode	Antenna gain (dBi)	Declared power (mW)
BLE 1M	1.94	1.32
BLE 2M		1.33

Mode	Channel	Conducted power(dBm)	Antenna output power(mW)		Antenna output tolerance (%)		EIRP (dBm)		Verdict
			Result	Limit	Result	Limit	Result	Limit	
BLE 1M	Low	0.99	1.256	≤ 10	-4.85	≤ 20	2.93	≤ 12.14	Pass
	Middle	1.19	1.315		-0.38		3.13		Pass
	High	0.45	1.109		-15.98		2.39		Pass
BLE 2M	Low	1.21	1.321	≤ 10	-0.68	≤ 20	3.15	≤ 12.14	Pass
	Middle	0.83	1.211		-8.95		2.77		Pass
	High	0.05	1.012		-23.91		1.99		Pass

Note:

$Antenna\ output\ power(mW) = 10^{\{Conducted\ power(dBm) / 10\}}$

$Antenna\ output\ power\ tolerance(\%) = (Antenna\ output\ power - Declared\ power) / Declared\ power * 100\%$

$Antenna\ output\ power(dBm) = 10 * \log_{10}\{Antenna\ output\ power(mW)\}$

$EIRP(dBm) = Antenna\ output\ power(dBm) + Antenna\ gain.$

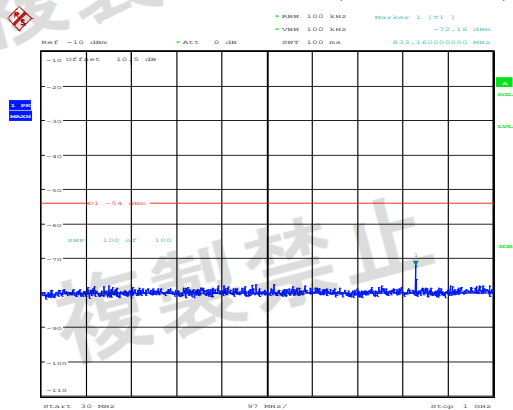
4.6 Receiver Spurious Emission and Unwanted Emission Intensity

Test Result: Compliant, please see the below tables and plots

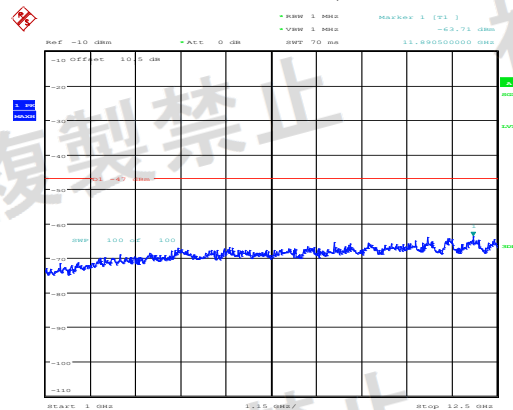
Test Mode: Receiving

Test Condition: NV

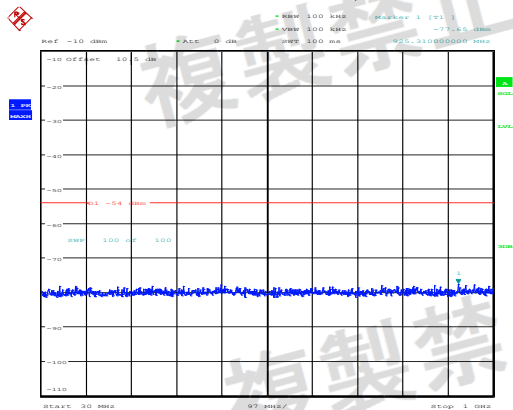
Mode	Channel	Test Band (RBW)	Frequency Range		Max.Emission Located(MHz)	Result (dBm)	Result (nW)	Limit (nW)	Verdict
			Start (MHz)	Stop (MHz)					
BLE 1M	Low	Band I (100kHz)	30	1000	833.16	-72.16	0.061	4	Pass
		Band II (1MHz)	1000	12500	11890.5	-63.71	0.426	20	Pass
	Middle	Band I (100kHz)	30	1000	925.31	-77.65	0.017	4	Pass
		Band II (1MHz)	1000	12500	11269.5	-63.54	0.443	20	Pass
	High	Band I (100kHz)	30	1000	827.34	-66.68	0.215	4	Pass
		Band II (1MHz)	1000	12500	10418.5	-64.26	0.375	20	Pass
BLE 2M	Low	Band I (100kHz)	30	1000	799.21	-77.02	0.020	4	Pass
		Band II (1MHz)	1000	12500	11258	-64.16	0.384	20	Pass
	Middle	Band I (100kHz)	30	1000	826.37	-70.97	0.080	4	Pass
		Band II (1MHz)	1000	12500	11890.5	-63.98	0.400	20	Pass
	High	Band I (100kHz)	30	1000	825.4	-67.77	0.167	4	Pass
		Band II (1MHz)	1000	12500	11810	-63.78	0.419	20	Pass

Test Condition: NV**BLE 1M_Low Channel(30MHz~1GHz)**

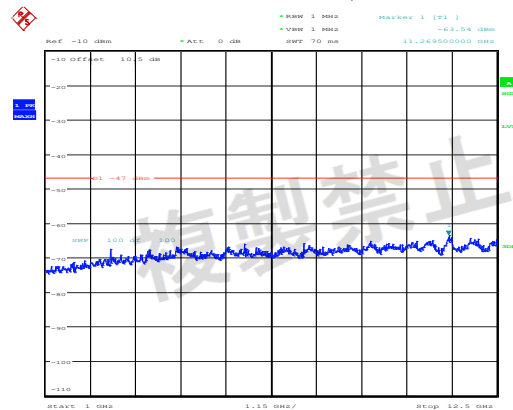
ProjectNo.:2603T14520E-RF Tester:Chloe Zhao
Date: 9.JUN.2026 13:44:56

BLE 1M_Low Channel(1GHz~12.5GHz)

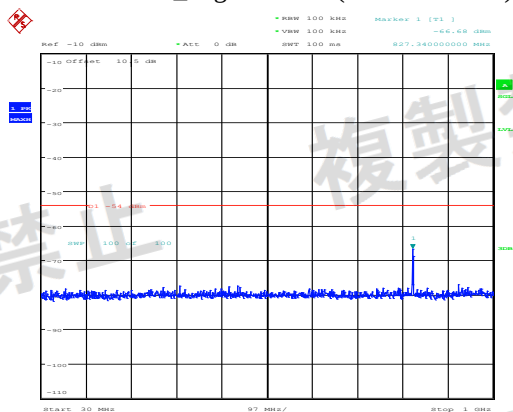
ProjectNo.:2603T14520E-RF Tester:Chloe Zhao
Date: 9.JUN.2026 13:45:27

BLE 1M_Middle Channel(30MHz~1GHz)

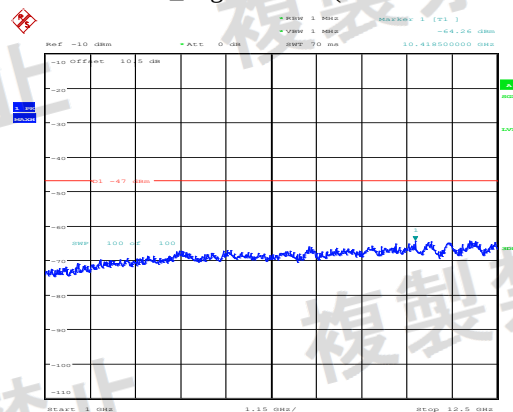
ProjectNo.:2603T14520E-RF Tester:Chloe Zhao
Date: 9.JUN.2026 13:47:32

BLE 1M_Middle Channel(1GHz~12.5GHz)

ProjectNo.:2603T14520E-RF Tester:Chloe Zhao
Date: 9.JUN.2026 13:48:03

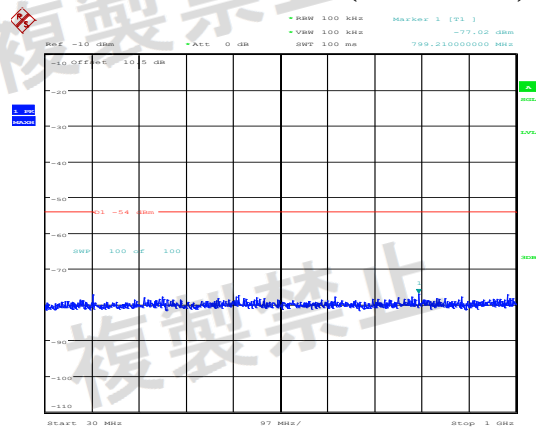
BLE 1M_High Channel(30MHz~1GHz)

ProjectNo.:2603T14520E-RF Tester:Chloe Zhao
Date: 9.JUN.2026 13:50:09

BLE 1M_High Channel(1GHz~12.5GHz)

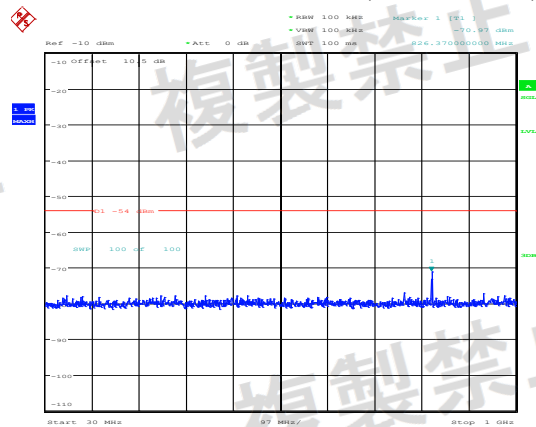
ProjectNo.:2603T14520E-RF Tester:Chloe Zhao
Date: 9.JUN.2026 13:50:39

BLE 2M_Low Channel(30MHz~1GHz)



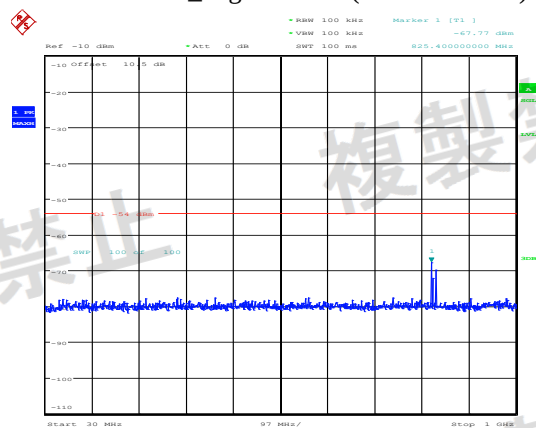
ProjectNo.:2603T14520E-RF Tester:Chloe Zhao
Date: 9 JUN.2026 13:45:51

BLE 2M_Middle Channel(30MHz~1GHz)



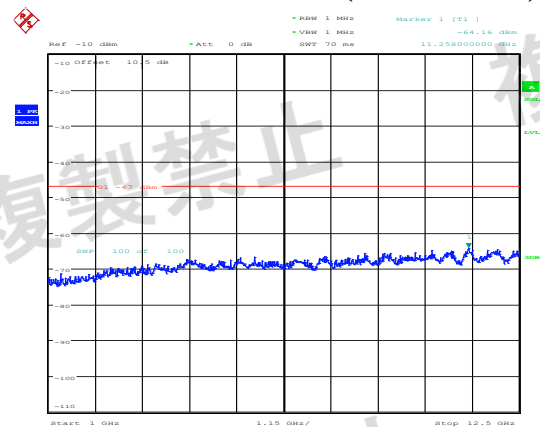
ProjectNo.:2603T14520E-RF Tester:Chloe Zhao
Date: 9 JUN.2026 13:49:15

BLE 2M_High Channel(30MHz~1GHz)



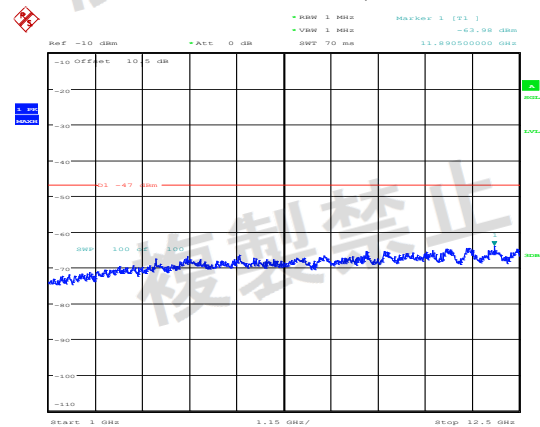
ProjectNo.:2603T14520E-RF Tester:Chloe Zhao
Date: 9 JUN.2026 13:51:03

BLE 2M_Low Channel(1GHz~12.5GHz)



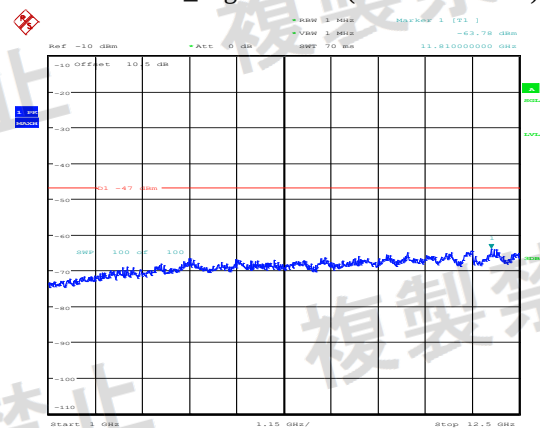
ProjectNo.:2603T14520E-RF Tester:Chloe Zhao
Date: 9 JUN.2026 13:46:21

BLE 2M_Middle Channel(1GHz~12.5GHz)



ProjectNo.:2603T14520E-RF Tester:Chloe Zhao
Date: 9 JUN.2026 13:49:45

BLE 2M_High Channel(1GHz~12.5GHz)



ProjectNo.:2603T14520E-RF Tester:Chloe Zhao
Date: 9 JUN.2026 13:51:34

4.7 Interference Prevention Function

Test Result: Compliant, please see the below table.

Item	Result	Requirement	Verdict
Methodology to transmit ID Code:	Automatically	Automatically	Good
Methodology to receive ID Code:	Automatically	Automatically	Good
Identification Codes (ID Codes):	0a:1c:6b:c6:96:7e	/	/
Bits of ID Codes:	48 bits	48 bits or more	Compliant
Screenshot:	0a 1c 6b c6 96 7e		

4.8 Construction Protection Confirmation

Result: Compliant. please see the below table.

☒	Sealed with screws.
☐	Plastic chassis is being welded using ultrasonic waves.
☐	Cover is glued using a special adhesive.
☐	Metal covers are spot-fused.
☐	Cover is specially interlocked.
☐	RF and Modulation components are covered with shielding case and this shielding case is soldered.
☐	Other If 'Other', describe the method here. Then delete this text.
Photographs	
	

5. EUT PHOTOGRAPHS

Please refer to the attachment 2603T14520E-RF-EXP EUT EXTERNAL PHOTOGRAPHS and 2603T14520E-RF-INP EUT INTERNAL PHOTOGRAPHS.

6. TEST SETUP PHOTOGRAPHS

Please refer to the attachment 2603T14520E-RF-07-TSP TEST SETUP PHOTOGRAPHS.

***** END OF REPORT *****