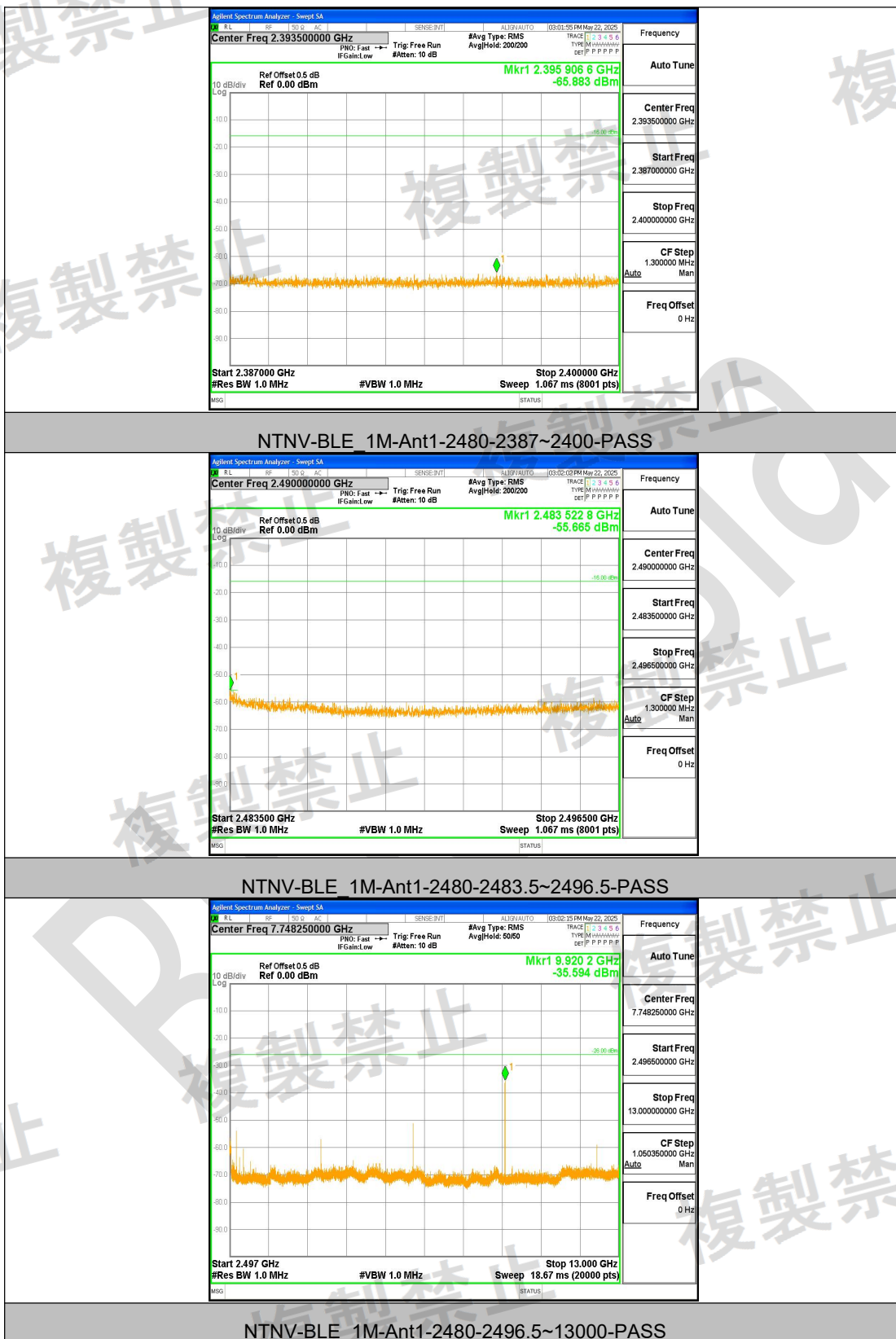
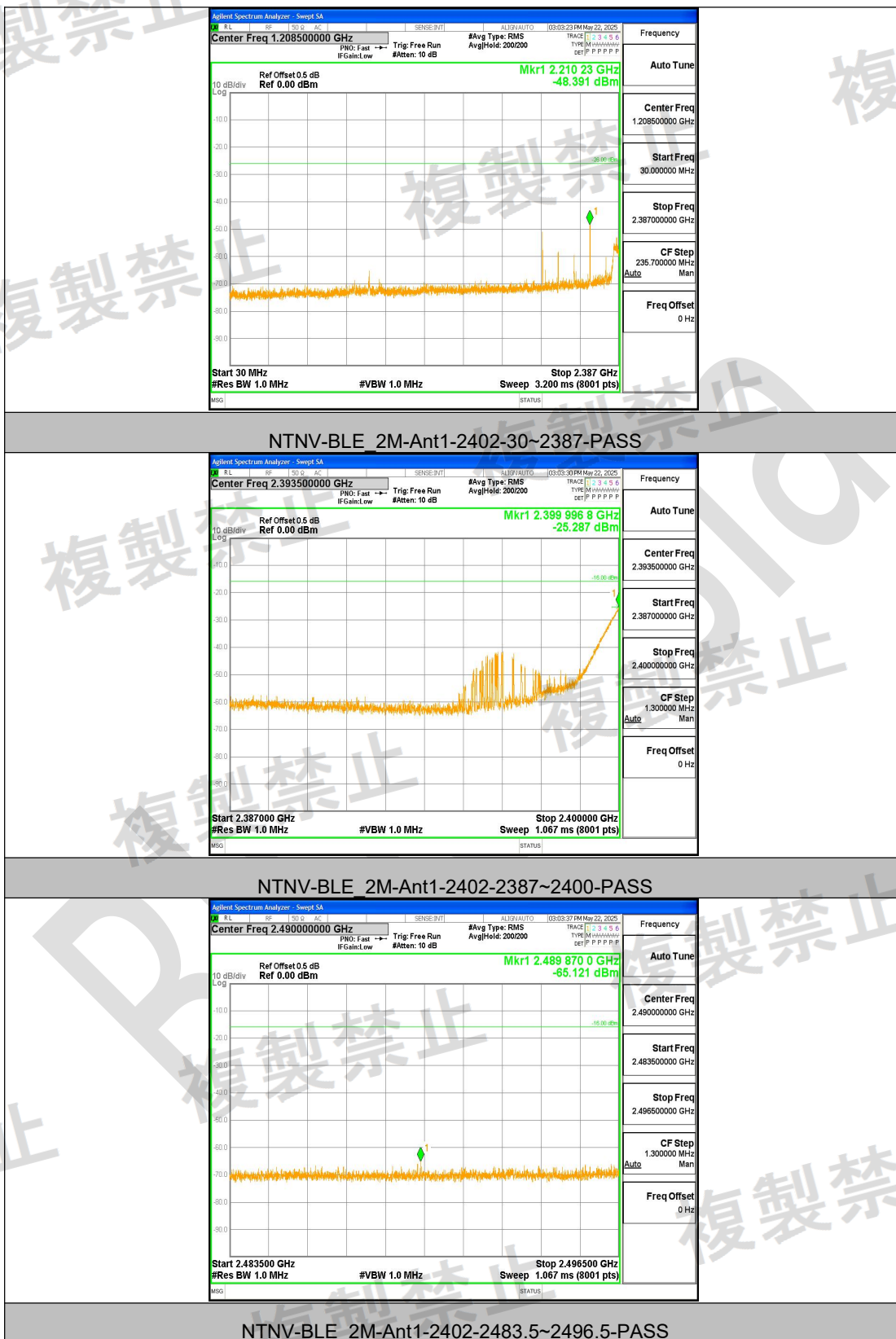
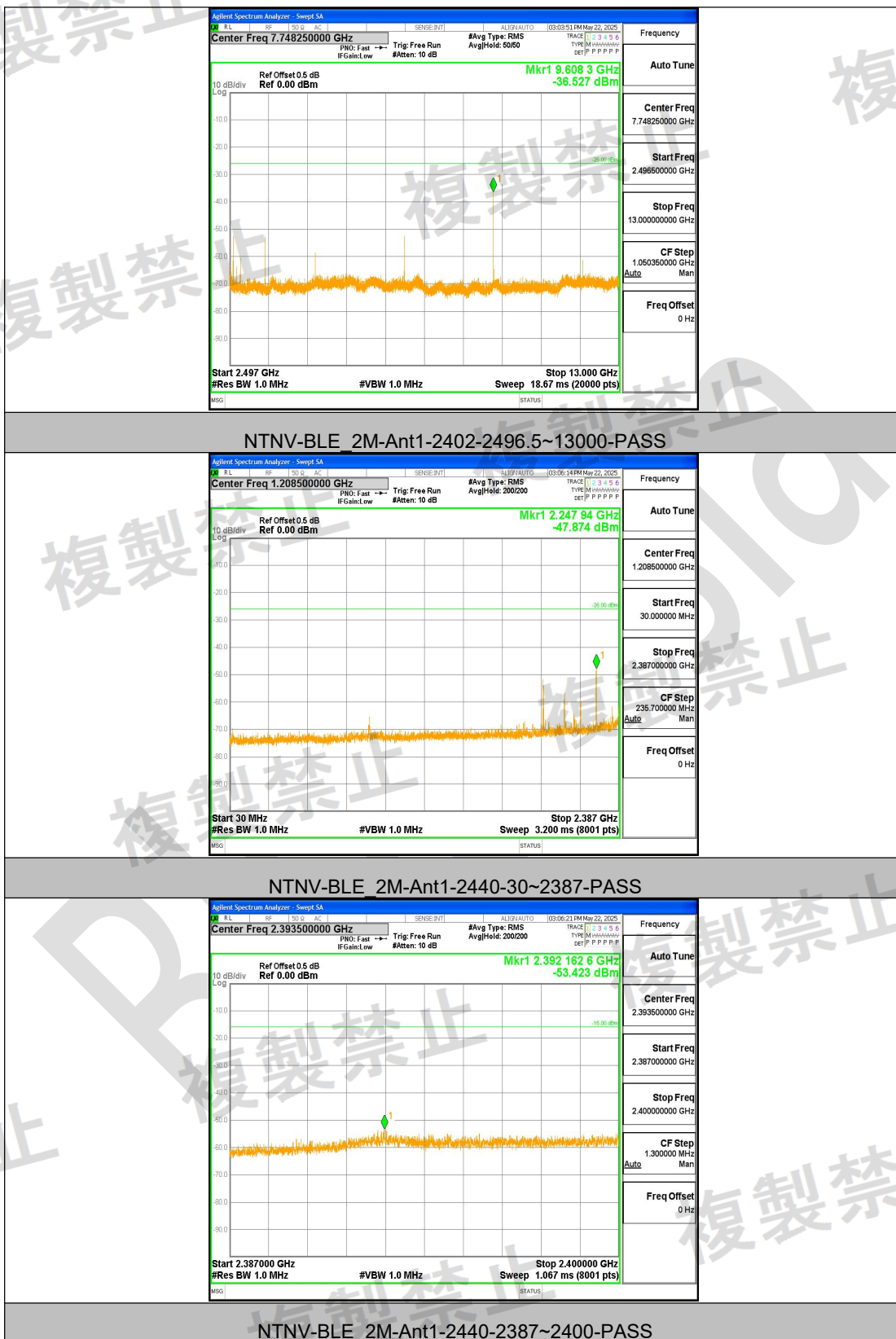
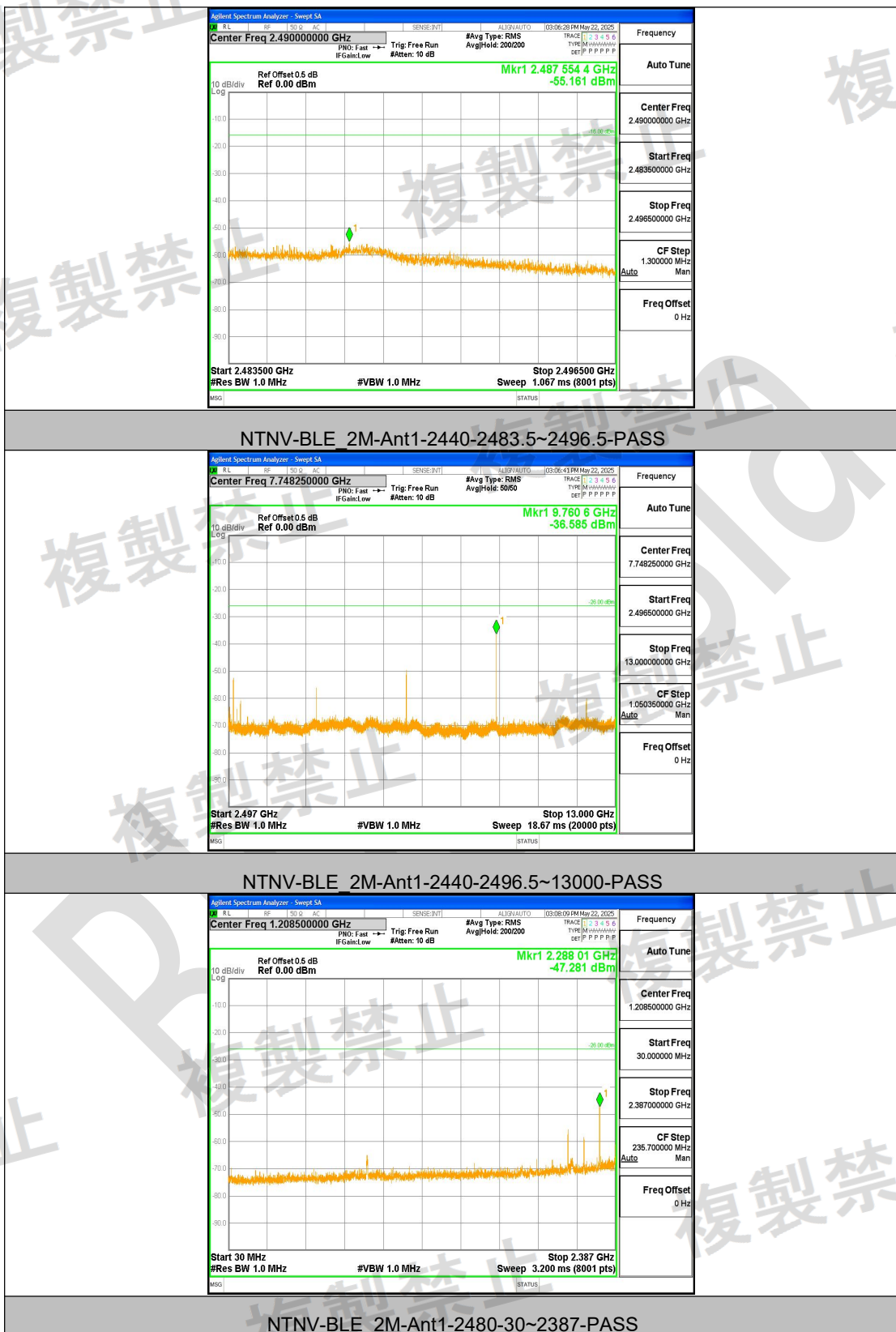
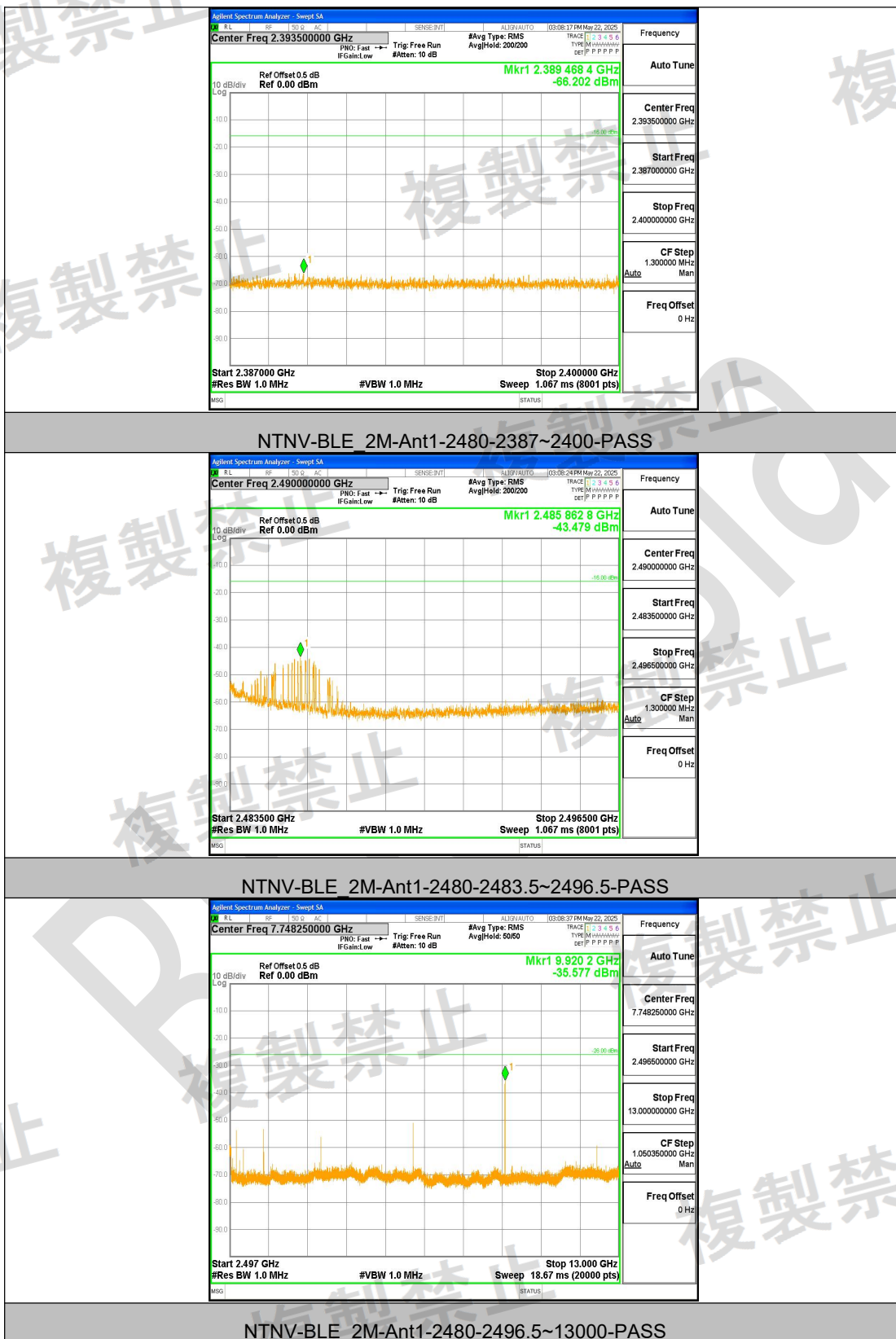












6.1.8 Interference prevention function

1) Measurement system diagram

(1) When transmitting identification code



2) Condition of measuring instrument

(1) Demodulator must be able to demodulate the transmitting signal emitted by test equipment and to indicate the identification code.

3) Condition of test equipment The mode of normal use.

4) Measuring operation procedure

(1) When test equipment has the function to transmit identification code automatically:

A) Transmit the predetermined identification code from test equipment.

B) Confirm the transmitted identification code by demodulator.

MAC Address:

58:47:CA:84:34:8E

5) Test result: The unit does meet the requirements (Good).

Test result: PASS

6.1.9 RF accessibility

Standard requirement

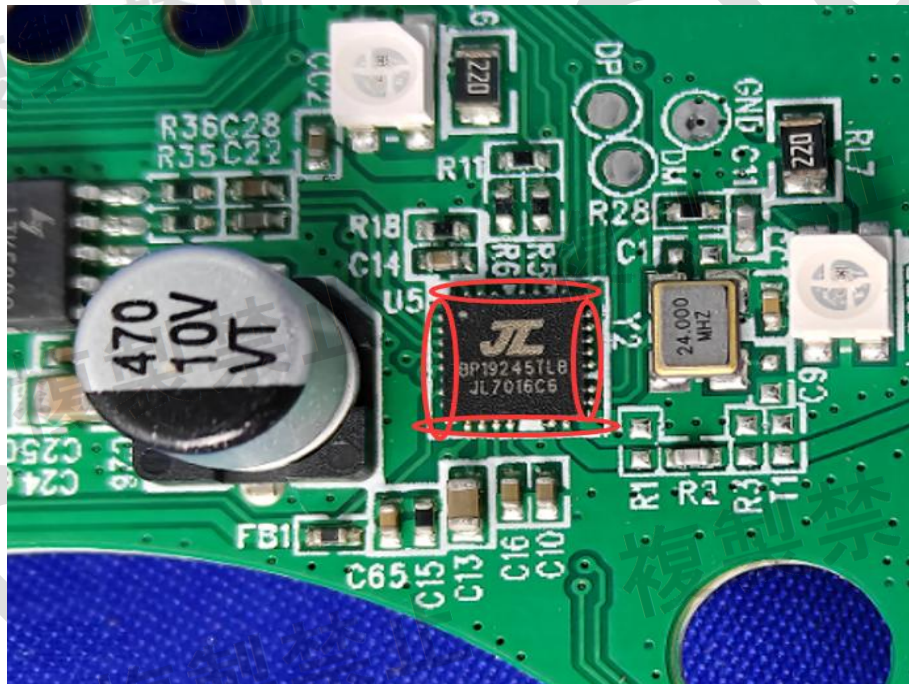
Article 49-20, paragraph 1 (a)

The EUT shall be constructed in such a way that sensitive RF parts, (like modulation and oscillator parts) cannot be reached easily by the user. These parts shall be covered by soldered metal caps or glue or by other mechanical covers. If the covers are fixed with screws, these shall be not the common type(s) like a Phillips, but special versions like Torx, so that the user cannot open the device with common tools.

RF and Modulation parts are mounted on PCB with surface mount technology, the chip is welded on PCB, and there is no any adjustable parts on PCB or adjustable parts are not exposed.

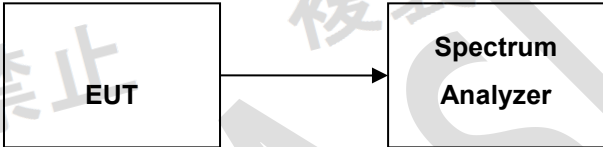
The interval of terminals: 0.5mm

Number of terminals: 32



6.2 Receiver Requirements

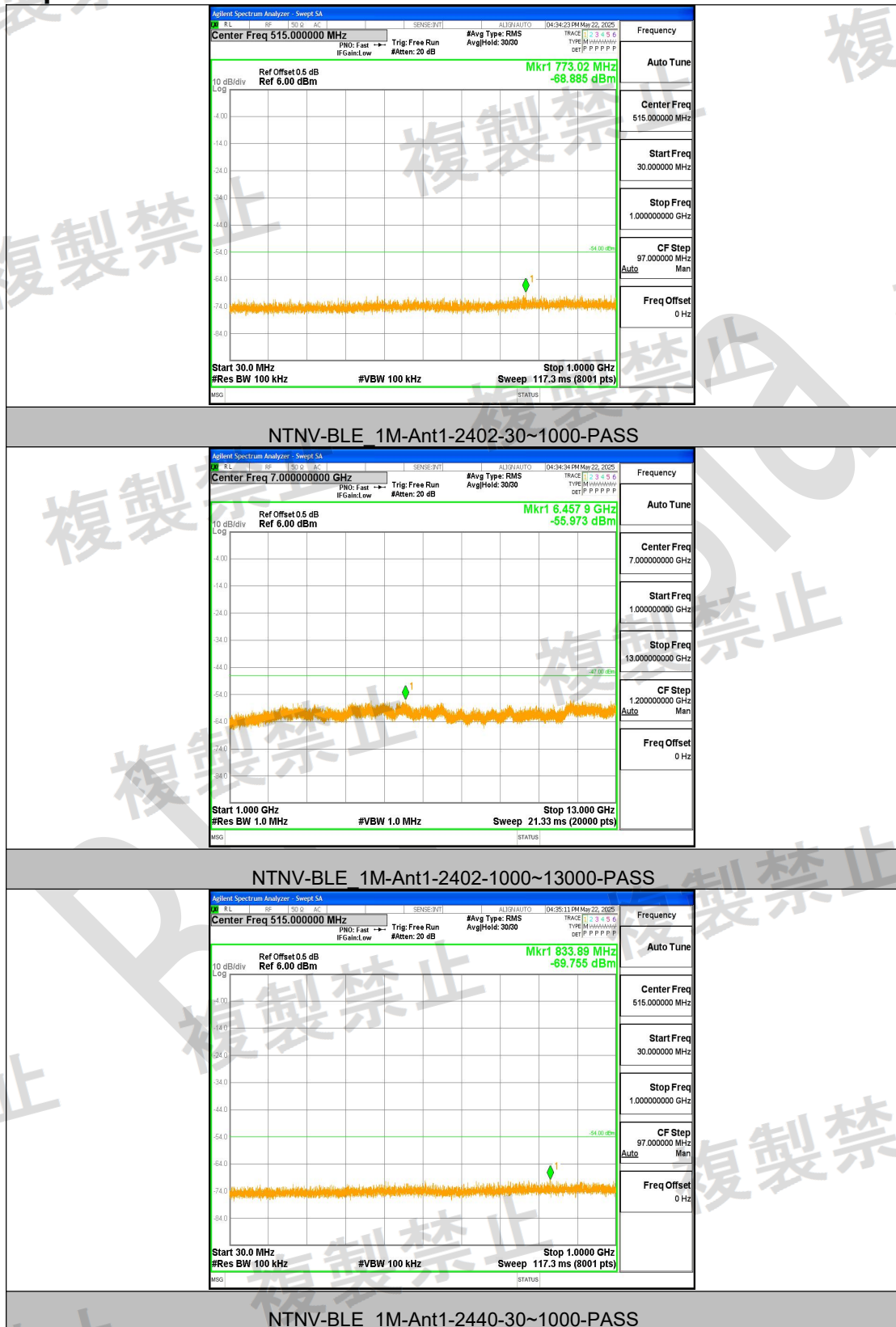
6.2.1 Spurious Emissions of Rx

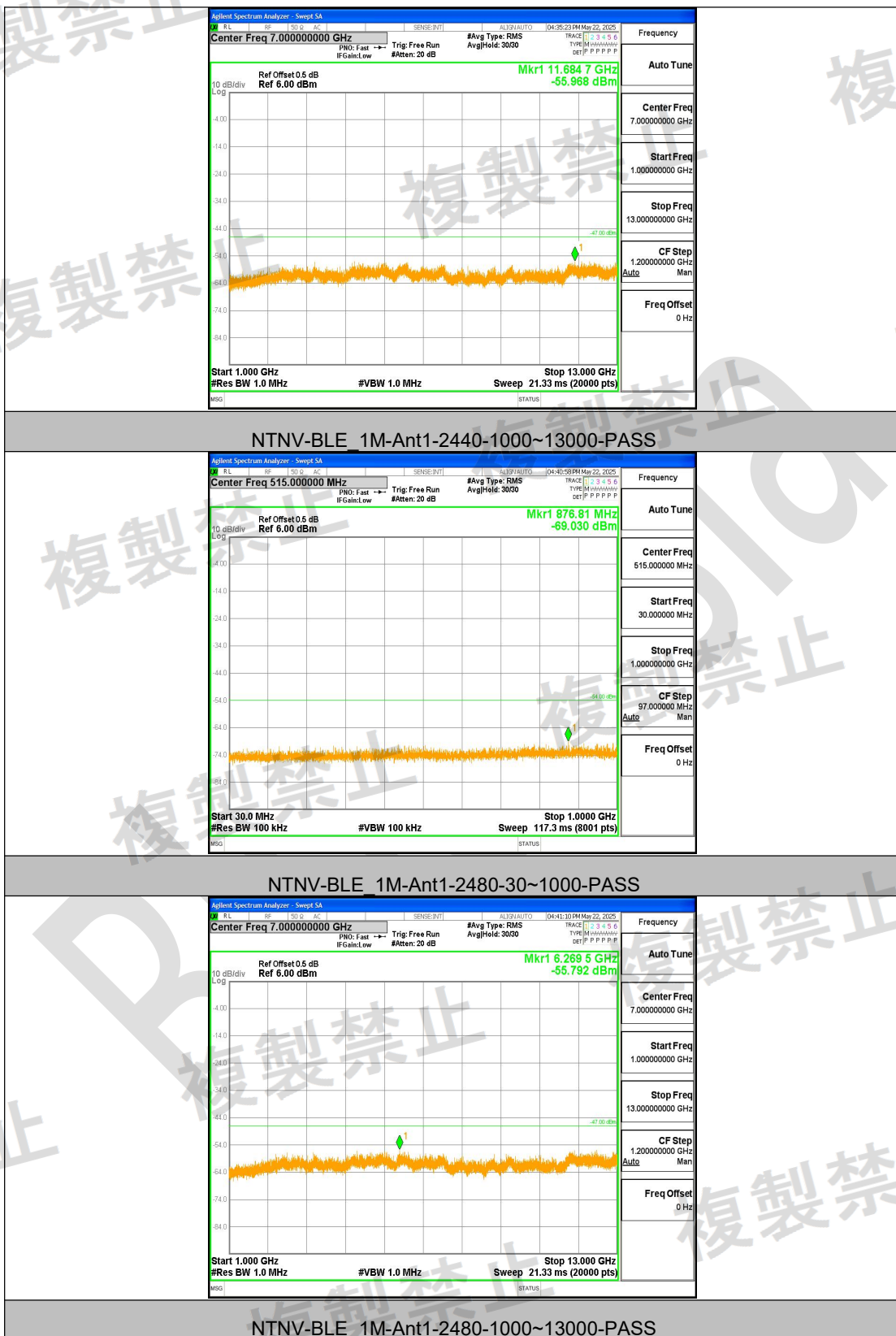
Test Requirement:	Item 19 of Article 2 Paragraph 1		
Test Method:	MIC Notice No.88 Appendix No.43		
EUT Operation:			
Ambient:	Temp.: 24°C	Humid.: 48%	Press.: 1010 mbar
Test Status:	Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture). Following channel(s) was (were) selected for the final test as listed below.		
Test Configuration:	 <pre> graph LR EUT[EUT] --> SA[Spectrum Analyzer] </pre>		
EUT conditions:	Rx		
Measurement Procedure:	Step1 All spurious are measured from 30MHz to 13 GHz by peak mode.		
Spectrum Analyzer conditions(Step 1):	Frequency: 30MHz – 2400MHz , 2483.5MHz –13GHz RBW 100 kHz (30 – 1GHz) , 1 MHz (over 1GHz) VBW 100 kHz (30 – 1GHz) , 1 MHz (over 1GHz) Sweep Time Auto detector mode Positive peak Indication mode Max hold		
Spectrum Analyzer Conditions(Step 2):	Frequency: Spurious Frequency Span 0 Hz RBW 100 kHz (30 – 1GHz) , 1 MHz (over 1GHz) VBW 100 kHz (30 – 1GHz) , 1 MHz (over 1GHz) Sweep Time Auto detector mode Sample Indication mode Max hold		
Technical standard:	(1) Below 1 GHz : 4 nW or less;-54dbm/Mhz (2) 1 GHz and over : 20 nW or less;-47dbm/Mhz		
Test result:	PASS		

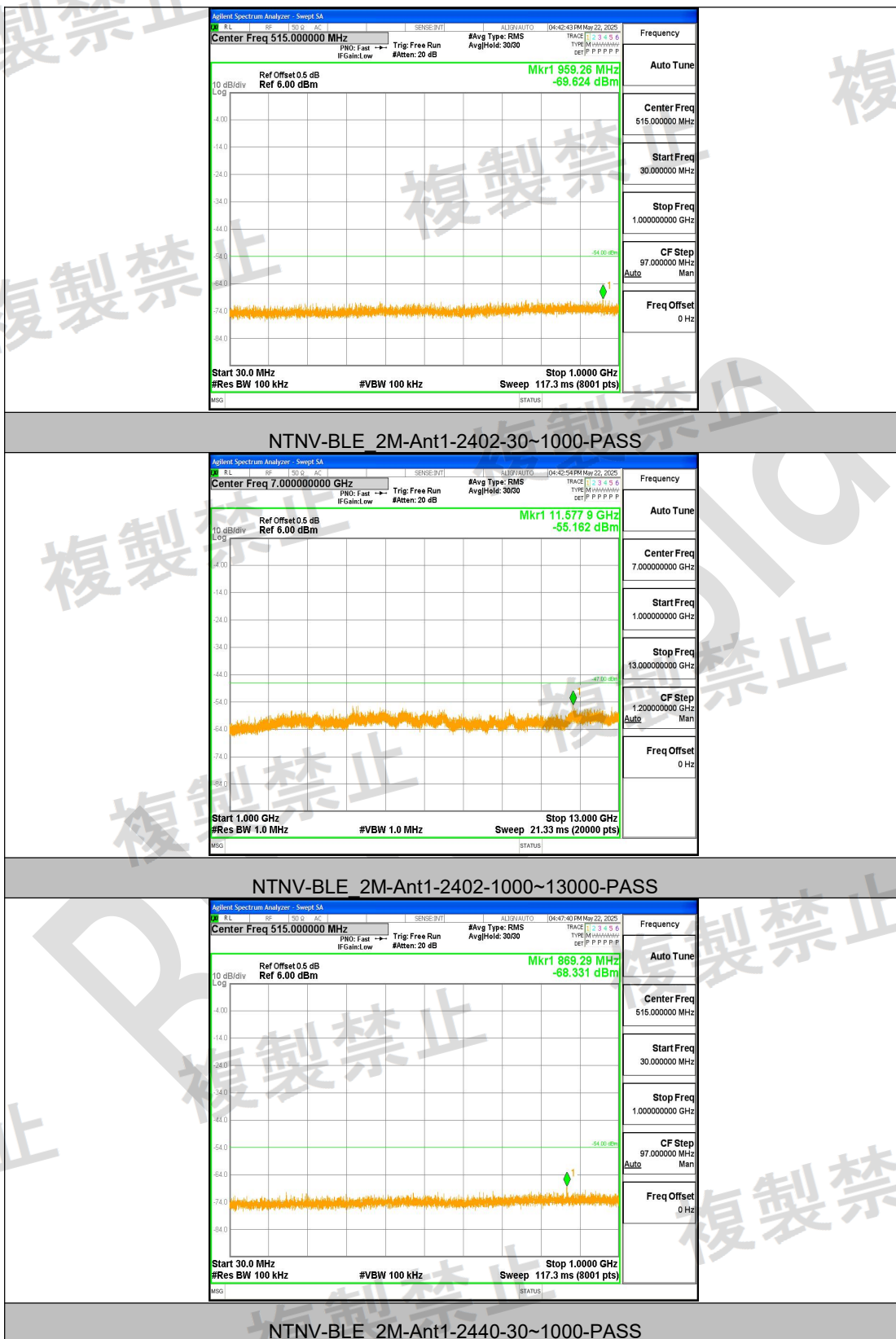
Test Result

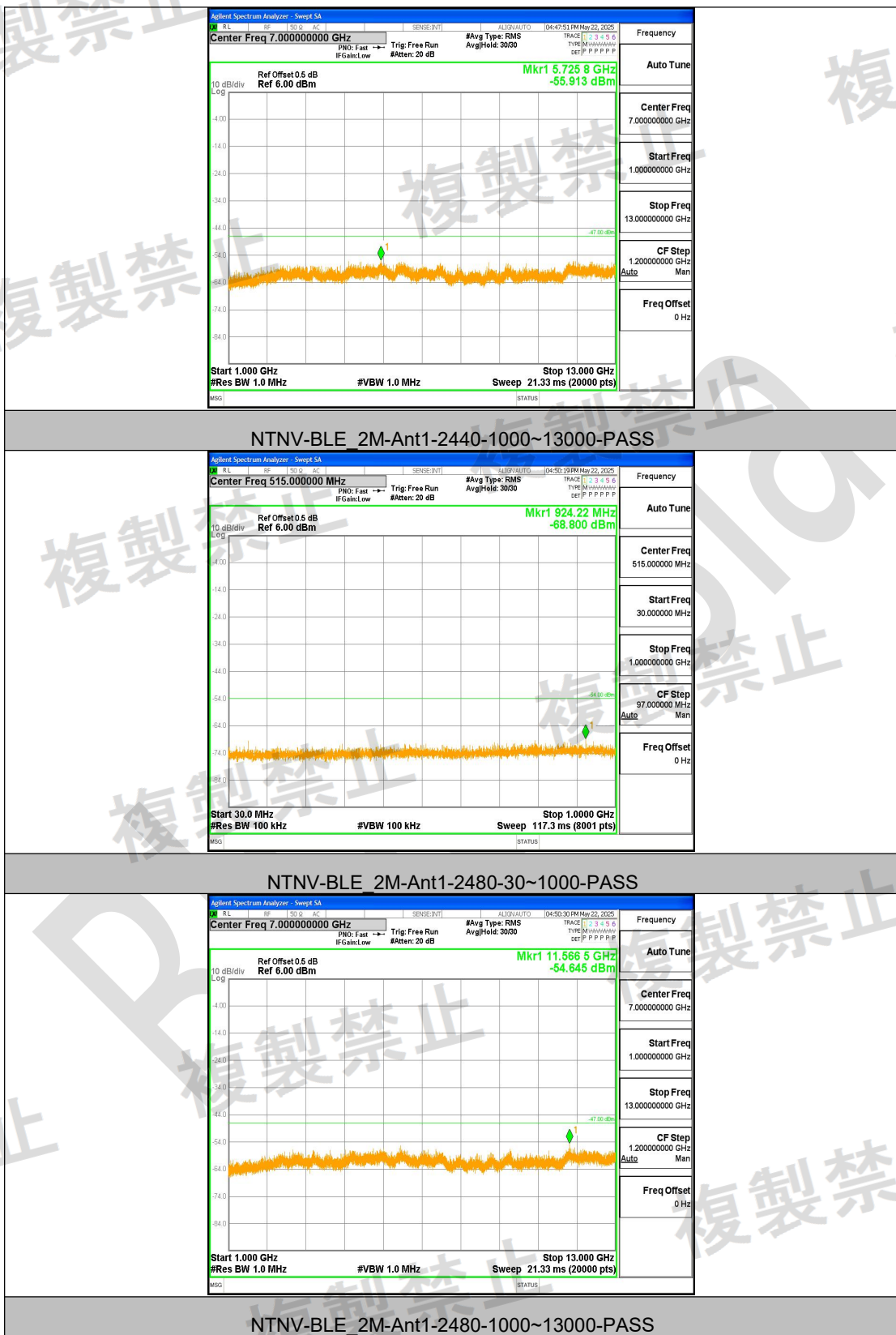
TestCondition	TestMode	Antenna	Freq(MHz)	Freq.Range [MHz]	Result [dBm]	Limit [dBm]	Verdict
NTNV	BLE_1M	Ant1	2402	30~1000	-68.89	≤-54	PASS
NTNV	BLE_1M	Ant1	2402	1000~13000	-55.97	≤-47	PASS
NTNV	BLE_1M	Ant1	2440	30~1000	-69.76	≤-54	PASS
NTNV	BLE_1M	Ant1	2440	1000~13000	-55.97	≤-47	PASS
NTNV	BLE_1M	Ant1	2480	30~1000	-69.03	≤-54	PASS
NTNV	BLE_1M	Ant1	2480	1000~13000	-55.79	≤-47	PASS
NTNV	BLE_2M	Ant1	2402	30~1000	-69.62	≤-54	PASS
NTNV	BLE_2M	Ant1	2402	1000~13000	-55.16	≤-47	PASS
NTNV	BLE_2M	Ant1	2440	30~1000	-68.33	≤-54	PASS
NTNV	BLE_2M	Ant1	2440	1000~13000	-55.91	≤-47	PASS
NTNV	BLE_2M	Ant1	2480	30~1000	-68.8	≤-54	PASS
NTNV	BLE_2M	Ant1	2480	1000~13000	-54.65	≤-47	PASS

Test Graphs

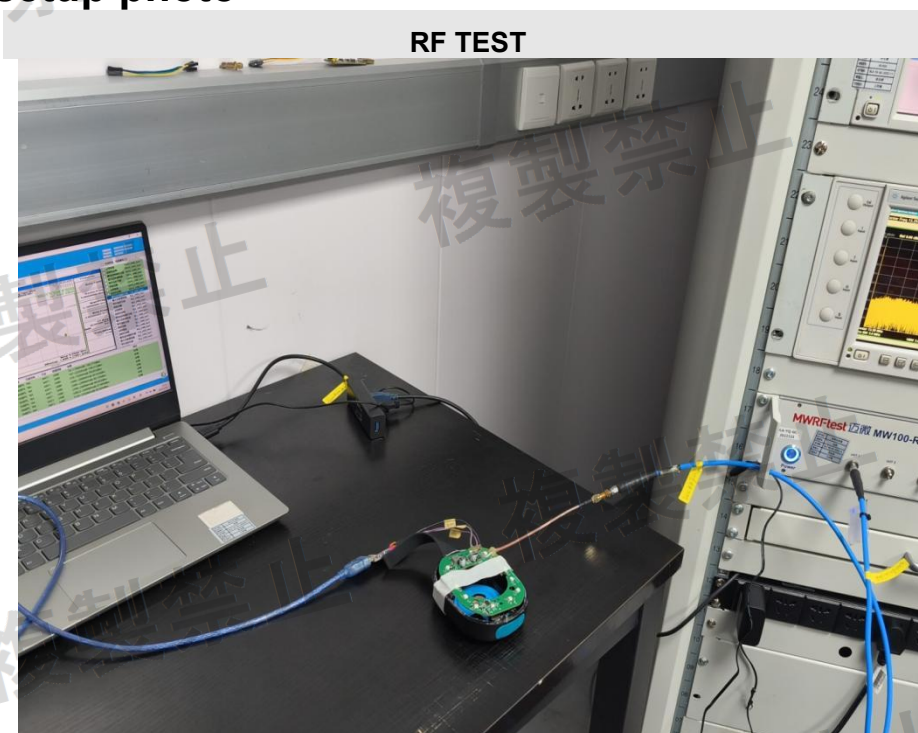








7 Test setup photo



8 Photographs

8.1 EUT Constructional Details



View of Product-1



View of Product-2



View of Product-3



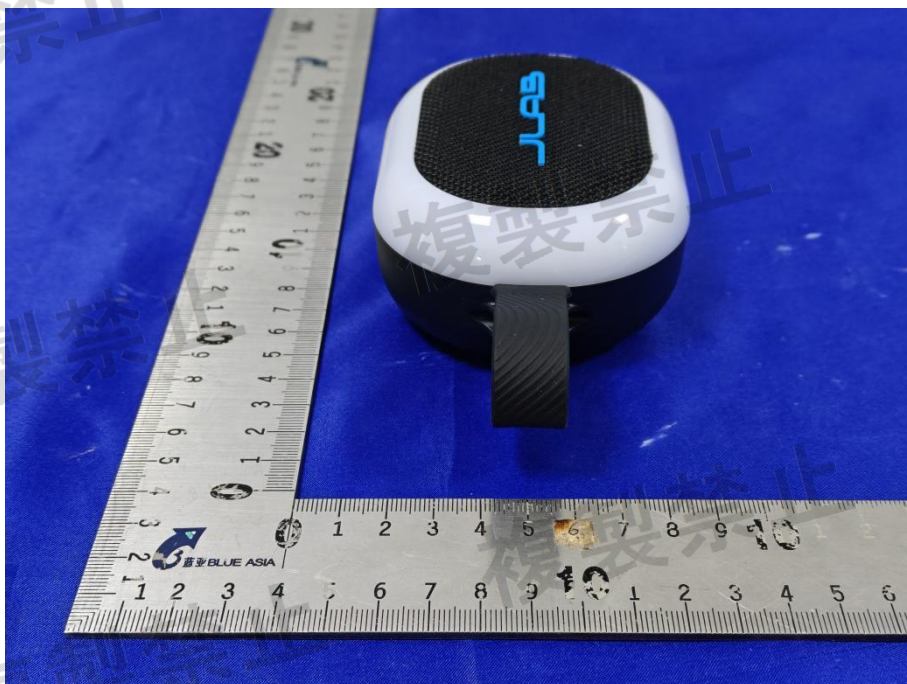
View of Product-4



View of Product-5



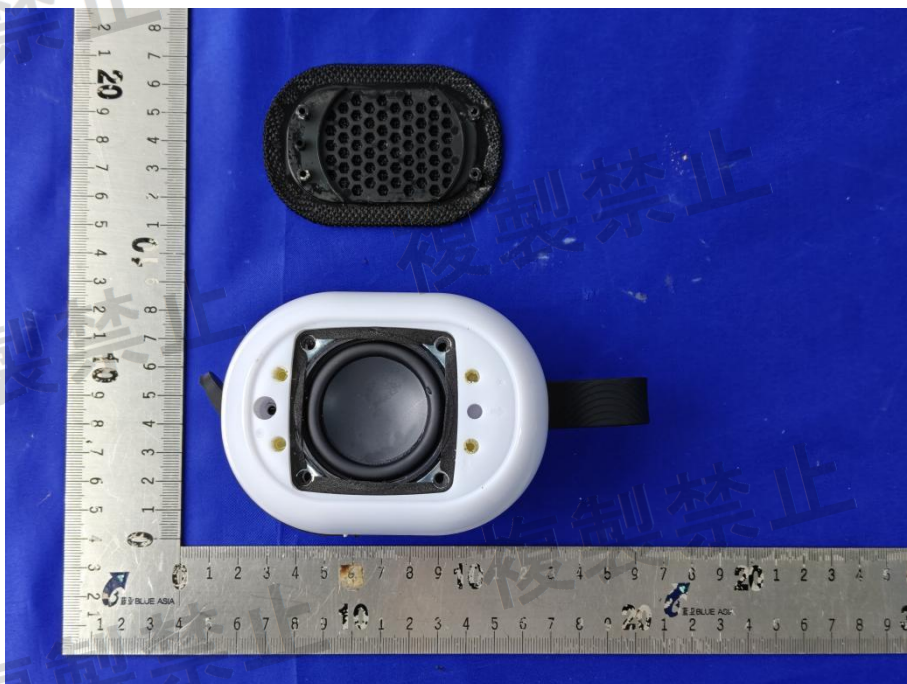
View of Product-6



View of Product-7



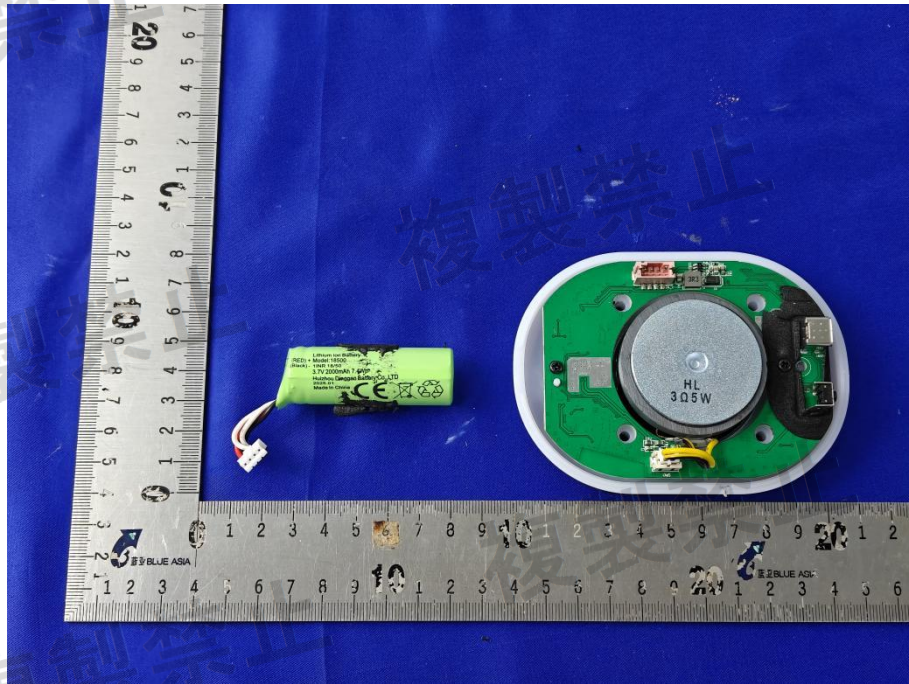
View of Product-8



View of Product-9



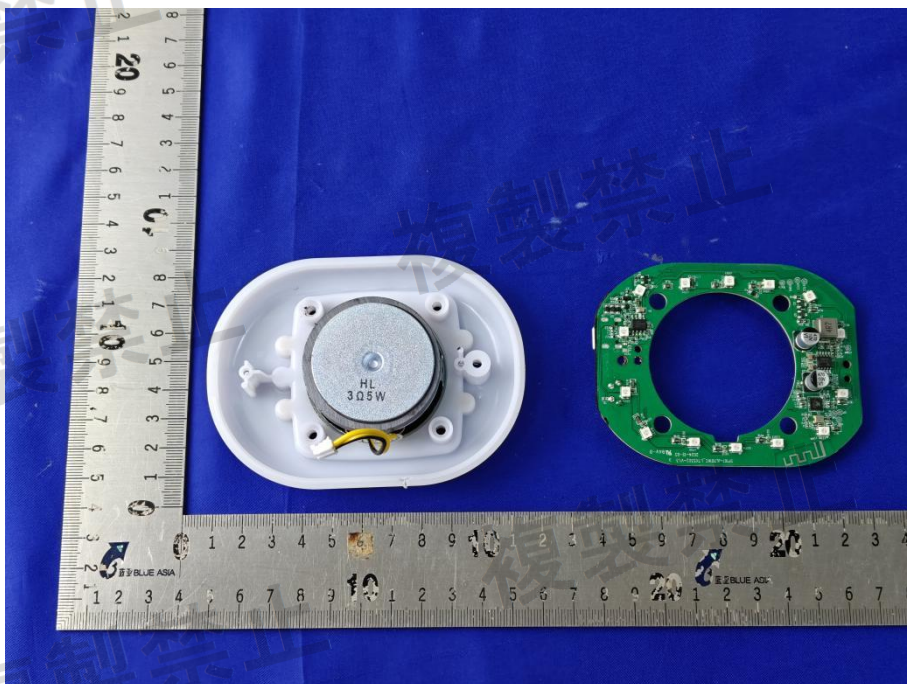
View of Product-10



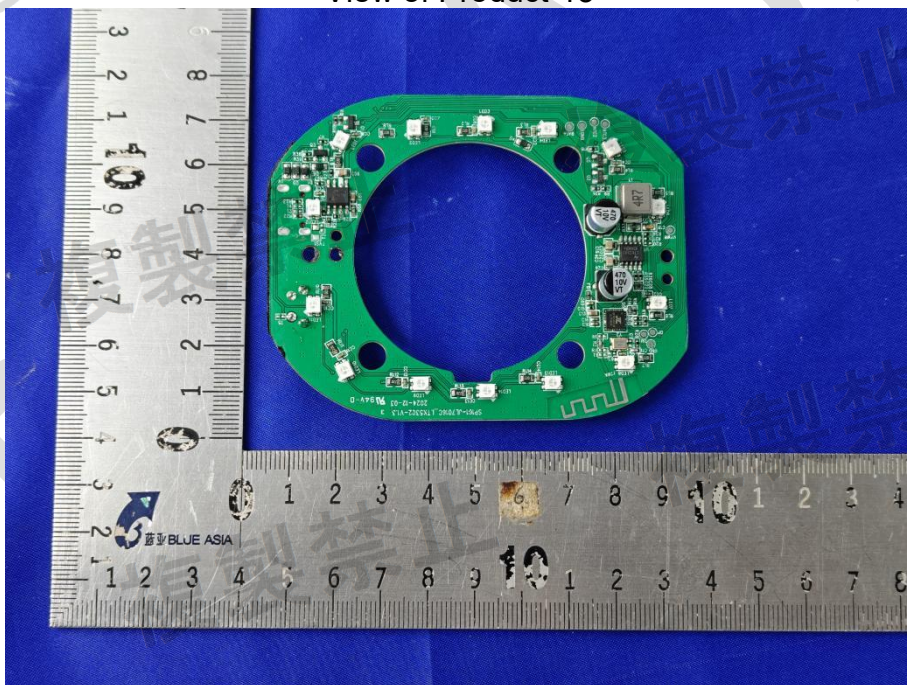
View of Product-11



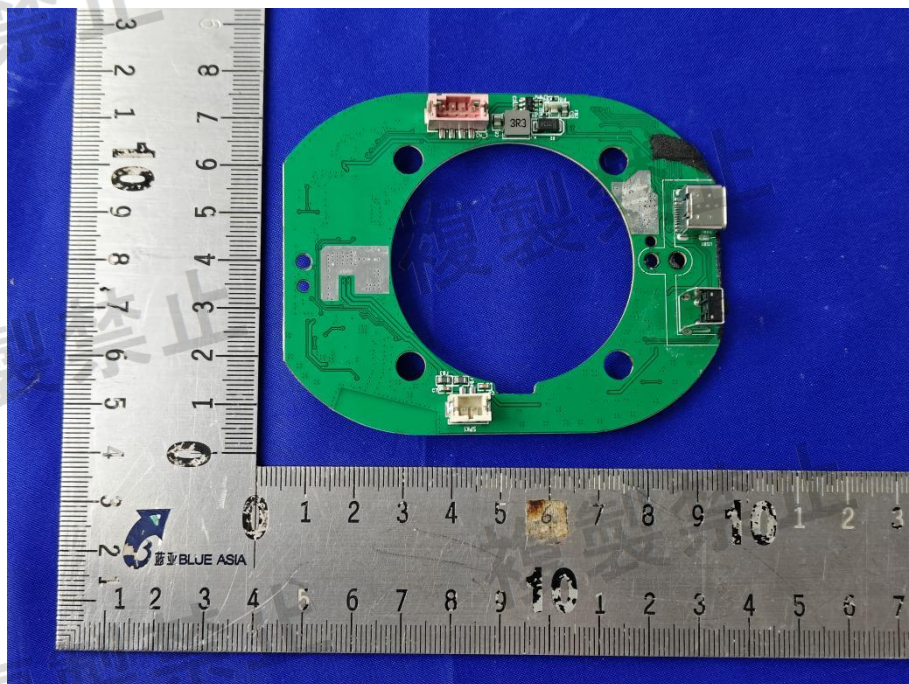
View of Product-12



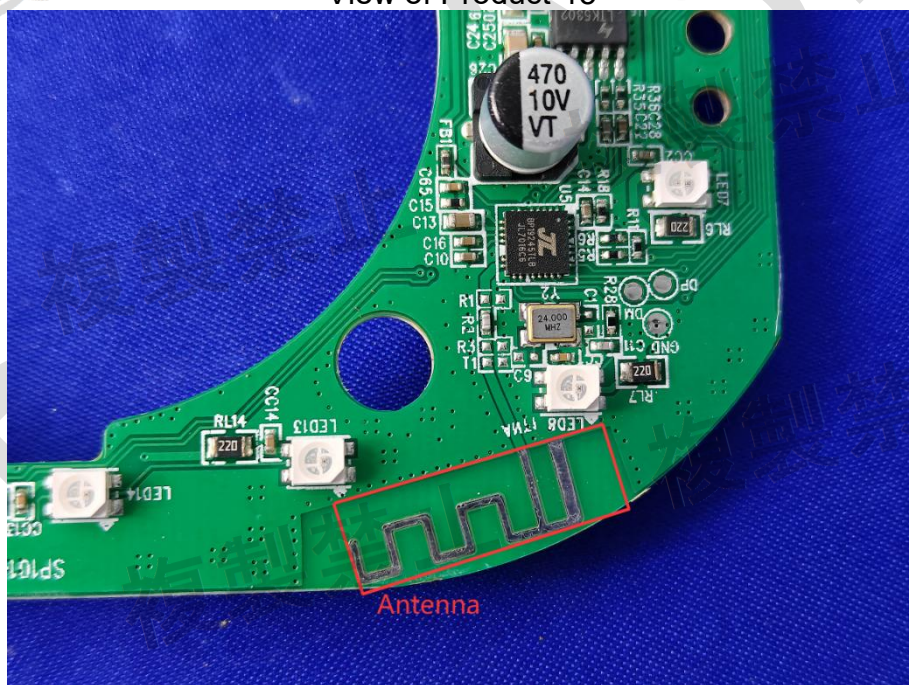
View of Product-13



View of Product-14



View of Product-15



View of Product-16

*** End of Report ***

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