

Test Report

Report No. : MTi260321001-0113E3
Date of issue : 2026-06-26
Applicant : SHENZHEN POWEROAK NEWENER CO., LTD
Product : Portable Power Station
Model(s) : AORA 100 mini

Shenzhen Microtest Co., Ltd.

TEST REPORT

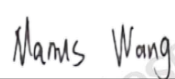
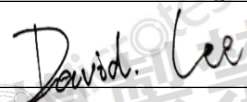
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Test Result Certification		
Applicant	SHENZHEN POWEROAK NEWENER CO., LTD	
Applicant Address	F19, BLD No.1, Kaidaer, Tongsha Rd No.168, Xili Street, Nanshan, Shenzhen, China	
Manufacturer	SHENZHEN POWEROAK NEWENER CO., LTD	
Manufacturer Address	F19, BLD No.1, Kaidaer, Tongsha Rd No.168, Xili Street, Nanshan, Shenzhen, China	
Factory	Huizhou PowerOak Innovation Co., Ltd	
Factory Address	(No.1 Workshop) Longsheng 5th Road, Laoshe Village, Dayawan West Zone, Huizhou, Guangdong, China	
Product description		
Product name	Portable Power Station	
Trademark	BLUETTI	
Model name	AORA 100 mini	
Series Model(s)	N/A	
Standards	Article 2-1, Item 19-2 -MIC Notice No. 88 Appendix No. 44	
Testing Information		
Date of test	2026-06-03 to 2026-06-25	
Test result	Pass	
Prepared by:	Manus Wang	
Reviewed by:	David Lee	
Approved by:	Lewis Lian	

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1 General Description

1.1 Description of the EUT

Product name:	Portable Power Station
Model name:	AORA 100 mini
Series Model(s):	N/A
Model difference:	N/A
Electrical rating:	Input: AC: 100V~50/60Hz, 7.5A DC/PV12V-60V=10A, 350W Output: AC: 100V~50/60Hz, 700W USB-A:5V=3A USB-C(65W): 5/9/12/15/20V=3.25A USB-C(140W): 5/9/15V=3A; 20/28V=5A Power output: 12V=10A DC5521: 12V = 8A per output, total 8A Total power output from DC5521: 10A DC Output: Total 200W Simultaneous AC to DC output: Total 700W
Accessories:	AC Power Cable
Hardware version:	V6.0
Software version:	25.0301.10009.01-08
Test sample(s) number:	MTi260321001-01-R001
RF specification	
Operating frequency range:	2484MHz
Channel number:	1
Modulation type:	802.11b: DSSS(CCK, DQPSK, DBPSK)
Antenna(s) type:	PCB Antenna
Antenna(s) gain:	3.37dBi

1.2 Description of test modes

No.	Emission test modes
Mode1	TX mode
Mode2	unmodulated carrier
Mode3	RX mode

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1.2.1 Operation channel list

Channel	Frequency (MHz)
14	2484

Test Software: EspRFTTool

For power setting, refer to below table.

Test Software:	EspRFTTool
802.11b	
Channel	Power setting
14	0

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1.3 Environmental Conditions

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

Temperature:	15°C ~ 35°C
Humidity:	20% RH ~ 75% RH
Atmospheric pressure:	98 kPa ~ 101 kPa

Test Conditions		Power Supply (V_{DC} V_{AC})	Input Voltage to the circuit of RF unit (V_{DC})
NTNV (V_{normal})	/	12	3.33
NTHV ($V_{max.}$)	+10%	13.2	3.33
NTLV ($V_{min.}$)	-10%	10.8	3.33

1.4 Description of support units

Support equipment list

Description	Model	Serial No.	Manufacturer
Laptop	e485	/	Lenovo

Support cable list

Description	Length (m)	From	To
/	/	/	/

1.5 Measurement uncertainty

Parameter	Measurement uncertainty
Frequency tolerance	±10 ppm
Occupied channel bandwidth	±3 %
RF output power, conducted	±1 dB
Power Spectral Density, conducted	±1 dB
Unwanted Emissions, conducted	±1 dB
All emissions, radiated	±4.7 dB
Temperature	±1 °C
Supply voltages	±1 %
Time	±1 %

Note: the measurement uncertainty is calculated and correspond to a factor k=2 (which provide confidence levels of 95.45%)

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2 Summary of Test Result

No.	Item	Standard	Requirement	Result
1	Tolerance of Frequency	Article 2-1, Item 19-2 MIC Notice No.88 Appendix No.44	Article 2-1, Item 19-2	Pass
2	Occupied Bandwidth (99%) and Spread Bandwidth (90%)	Article 2-1, Item 19-2 MIC Notice No.88 Appendix No.44	Article 2-1, Item 19-2	Pass
3	Spread Factor	Article 2-1, Item 19-2 MIC Notice No.88 Appendix No.44	Article 2-1, Item 19-2	Pass
4	Antenna Power and Tolerance	Article 2-1, Item 19-2 MIC Notice No.88 Appendix No.44	Article 2-1, Item 19-2	Pass
5	Spurious Emission Intensity	Article 2-1, Item 19-2 MIC Notice No.88 Appendix No.44	Article 2-1, Item 19-2	Pass
6	Secondary Radiated Emissions	Article 2-1, Item 19-2 MIC Notice No.88 Appendix No.44	Article 2-1, Item 19-2	Pass
7	Interference Prevention Function	Article 2-1, Item 19-2 MIC Notice No.88 Appendix No.44	Article 2-1, Item 19-2	Pass

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3 Test Facilities and accreditations

3.1 Test laboratory

Test laboratory:	Shenzhen Microtest Co., Ltd.
Test site location:	101, No.7, Zone 2, Xinxing Industrial Park, Fuhai Avenue, Xinhe Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China
Telephone:	(86-755)88850135
Fax:	(86-755)88850136
CNAS Registration No.:	CNAS L5868
FCC Registration No.:	448573
IC Registration No.:	21760
CABID:	CN0093

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4 List of test equipment

No.	Equipment	Manufacturer	Model	Serial No.	Cal. date	Cal. Due	Calibration method
Occupied Bandwidth (99%) and Spread Bandwidth (90%) Spread Factor Antenna Power and Tolerance Spurious Emission Intensity Secondary Radiated Emissions Interference Prevention Function Tolerance of Frequency							
1	Wideband Radio Communication Tester	Rohde&schwarz	CMW500	149155	2026-03-09	2027-03-08	C
2	ESG Series Analog Ssignal Generator	Agilent	E4421B	GB40051240	2026-03-09	2027-03-08	C
3	PXA Signal Analyzer	Agilent	N9030A	MY51350296	2026-03-10	2027-03-09	C
4	Synthesized Sweeper	Agilent	83752A	3610A01957	2026-03-10	2027-03-09	C
5	MXA Signal Analyzer	Agilent	N9020A	MY50143483	2026-03-09	2027-03-08	C
6	RF Control Unit	Tonscend	JS0806-1	19D8060152	2026-03-11	2027-03-10	C
7	Band Reject Filter Group	Tonscend	JS0806-F	19D8060160	2026-03-11	2027-03-10	C
8	ESG Vector Signal Generator	Agilent	N5182A	MY50143762	2026-03-10	2027-03-09	C
9	DC Power Supply	Agilent	E3632A	MY40027695	2026-03-09	2027-03-08	C
10	RF Test System	Tonscend	JS1120-3 Test System	V3.6.21	/	/	C

Remark:

(a) Calibration conducted by the National institute of information and Communications Technology (NICT) in Japan (hereinafter referred to as "NICT") or a designated calibration agency under Article 102-18 paragraph (1) in JRL.

(b) Correction conducted pursuant 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 (1).

(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)

From JRL Article 24-2, paragraph 4, Item 2

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5 Evaluation Results (Evaluation)

5.1 Interference Prevention Function

Test Requirement:	Article 2-1, Item 19-2
Test Method:	The EUT shall support one of the following functions: - Automatic identification transmission - Automatic identification reception
Procedure:	- Demodulator A device capable of demodulating and displaying identification data transmitted by the EUT. - Link Partner A device capable of transmitting identification data suitable for reception by the EUT.

5.1.1 Conclusion:

The detected ID of the device is below: A8: 46: 74: 30: F8: 6E

Test result: The device meet the requirements
PASS

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6 Radio Spectrum Matter Test Results (RF)

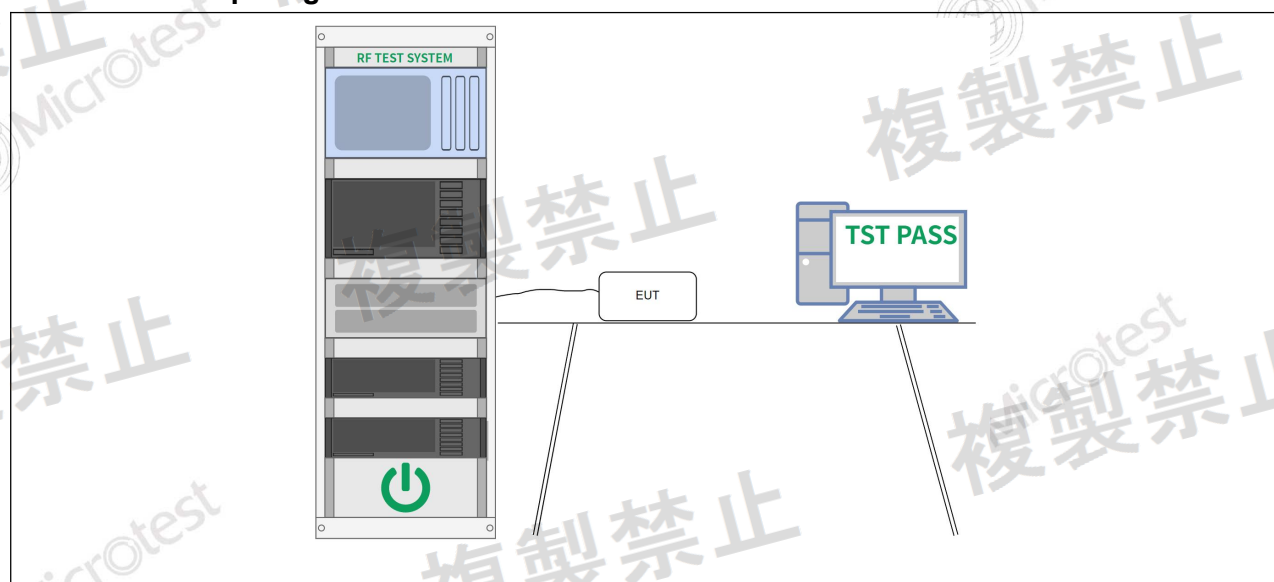
6.1 Tolerance of Frequency

Test Requirement:	Article 2-1, Item 19-2		
Test Limit:	Tolerance of frequency: +/- 50×10-6 or less.		
Test Method:	Center frequency:	Test frequency	
	Span:	1 MHz	
	RBW:	unmodulated 10KHz	
	VBW:	unmodulated 10KHz	
	Sweep data points:	1001 or greater	
	Sweep time:	Auto	
	Detector mode:	Positive peak	
	Indication mode:	Max hold	
Procedure:	(1) Find the peak carrier signal and measure its frequency (2) For multiple antenna systems each antenna shall be measured (3) For an EUT with multiple antennas it is permissible to test a single antenna only, provided all the antenna measurement values are expected to be same for either of the following reasons: a) The frequency of all antenna transmissions are phase-synchronized to a common (fundamental) oscillator b) The antenna transmissions share a common clock signal		

6.1.1 E.U.T. Operation:

Operating Environment:					
Temperature:	24.6 °C	Humidity:	48.7 %	Atmospheric Pressure:	101 kPa
Pre test mode:	Mode2				
Final test mode:	Mode2				

6.1.2 Test Setup Diagram:



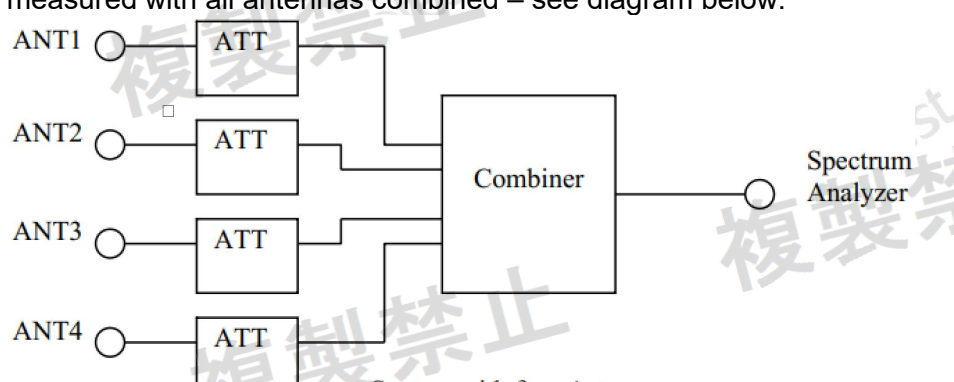
6.1.3 Test Data:

Please Refer to Appendix for Details.

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6.2 Occupied Bandwidth (99%) and Spread Bandwidth (90%)

Test Requirement:	Article 2-1, Item 19-2																																											
Test Limit:	[Occupied Bandwidth] 26 MHz or less [Spread Bandwidth] 500 kHz or more																																											
Test Method:	<table><tr><td colspan="2">[Occupied Bandwidth (99%)]</td></tr><tr><td>Center Frequency:</td><td>Test frequency</td></tr><tr><td>Span:</td><td>2 – 3.5 times the technical standard</td></tr><tr><td>RBW:</td><td>Within 3% of the technical standard</td></tr><tr><td>VBW:</td><td>Same as RBW</td></tr><tr><td>Sweep time:</td><td>Auto</td></tr><tr><td>Sweep data points:</td><td>1001 or greater</td></tr><tr><td>Detector mode:</td><td>Positive peak</td></tr><tr><td>Indication mode:</td><td>Max hold</td></tr><tr><td>BW setting:</td><td>99%</td></tr><tr><td colspan="2"> </td></tr><tr><td colspan="2">[Spread Bandwidth (90%)]</td></tr><tr><td>Center Frequency:</td><td>Test frequency</td></tr><tr><td>Span:</td><td>2 – 3.5 times the technical standard</td></tr><tr><td>RBW:</td><td>Within 3% of the technical standard</td></tr><tr><td>VBW:</td><td>Same as RBW</td></tr><tr><td>Sweep time:</td><td>Auto</td></tr><tr><td>Sweep Data Points:</td><td>1001 or greater</td></tr><tr><td>Detector mode:</td><td>Positive peak</td></tr><tr><td>Indication mode:</td><td>Max hold</td></tr><tr><td>BW setting:</td><td>90%</td></tr></table>		[Occupied Bandwidth (99%)]		Center Frequency:	Test frequency	Span:	2 – 3.5 times the technical standard	RBW:	Within 3% of the technical standard	VBW:	Same as RBW	Sweep time:	Auto	Sweep data points:	1001 or greater	Detector mode:	Positive peak	Indication mode:	Max hold	BW setting:	99%			[Spread Bandwidth (90%)]		Center Frequency:	Test frequency	Span:	2 – 3.5 times the technical standard	RBW:	Within 3% of the technical standard	VBW:	Same as RBW	Sweep time:	Auto	Sweep Data Points:	1001 or greater	Detector mode:	Positive peak	Indication mode:	Max hold	BW setting:	90%
[Occupied Bandwidth (99%)]																																												
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Sweep Data Points:	1001 or greater																																											
Detector mode:	Positive peak																																											
Indication mode:	Max hold																																											
BW setting:	90%																																											
Procedure:	(1) Measure the signal bandwidth using a spectrum analyzer (2) For multiple antenna systems: a) Each antenna shall be individually measured b) If the measured occupied bandwidth for any antenna exceeds [(Occupied Bandwidth Limit) – 100kHz] then, in addition, the occupied bandwidth shall be measured with all antennas combined – see diagram below:  System with four Antennas																																											

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6.2.1 E.U.T. Operation:

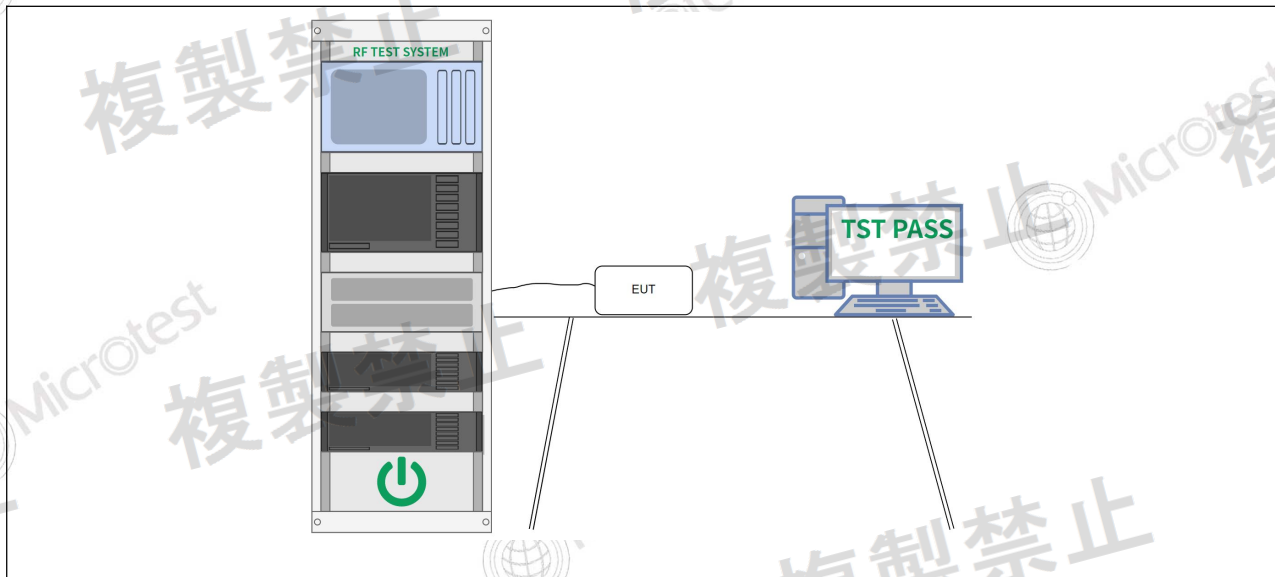
Operating Environment:

Temperature:	24.6 °C	Humidity:	48.7 %	Atmospheric Pressure:	101 kPa
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Pre test mode:	Mode1
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Final test mode:	Mode1
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6.2.2 Test Setup Diagram:



6.2.3 Test Data:

Please Refer to Appendix for Details.

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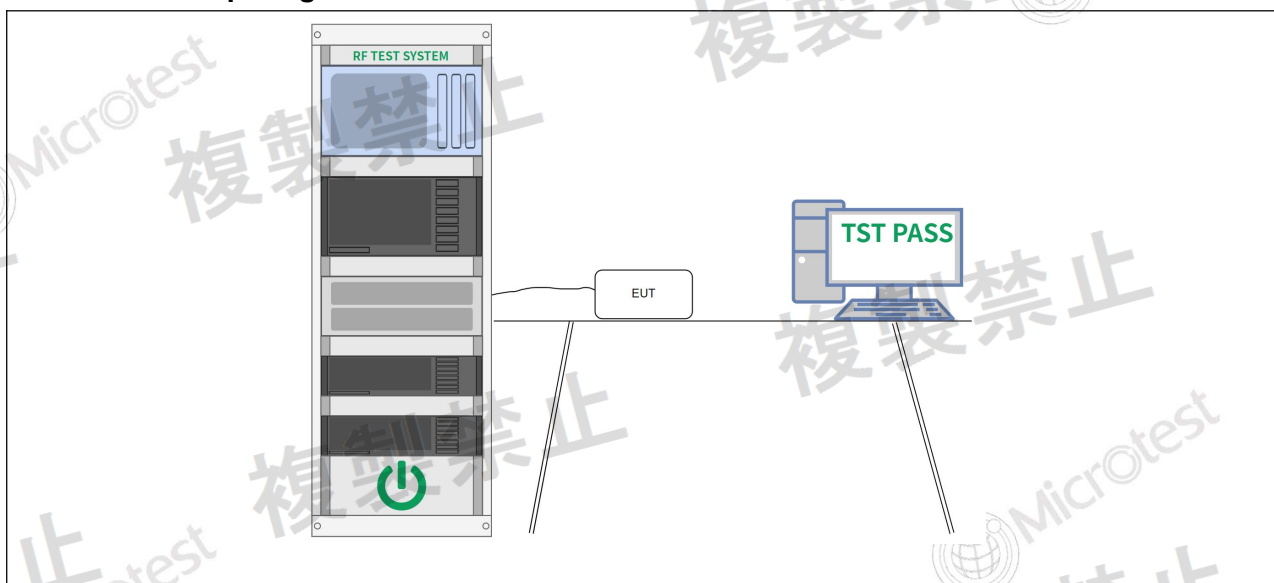
6.3 Spread Factor

Test Requirement:	Article 2-1, Item 19-2
Test Limit:	The spread factor should be more than 10.
Test Method:	The test method is the same as spread bandwidth.
Procedure:	The test procedure is the same as spread bandwidth.

6.3.1 E.U.T. Operation:

Operating Environment:					
Temperature:	24.6 °C	Humidity:	48.7 %	Atmospheric Pressure:	101 kPa
Pre test mode:	Mode1				
Final test mode:	Mode1				

6.3.2 Test Setup Diagram:



6.3.3 Test Data:

Please Refer to Appendix for Details.

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6.4 Antenna Power and Tolerance

Test Requirement:	Article 2-1, Item 19-2	
Test Limit:	10 mW/MHz or less Antenna power tolerance: $\geq -80\%$, $\leq 20\%$	
Test Method:	[Setting 1] – Search for peak power frequency	
	Center Frequency:	Test frequency
	Span:	Approximately twice the occupied bandwidth
	RBW:	1MHz
	VBW:	Approximately three times the RBW
	Sweep time:	Auto
	Sweep data points:	1001 or greater
	Detector mode:	Positive peak
	Indication mode:	Max hold
	[Setting 2] – Measurement of average antenna power for FHSS, DSSS, OFDM	
	Frequency:	Frequency of peak power found using [Setting 1]
	Span:	0 Hz
	RBW:	3 MHz (FHSS in 7.4.1.1) 1MHz (DSSS, OFDM, FHSS in 7.4.1.2)
	Detector mode:	Sample
	Sweep:	Minimum time required to make an accurate measurement.
		For burst type (intermittent) transmission sweep time shall be greater than one burst interval
	Sweep data points:	1001 or greater
	[Setting 3] – Measurement of average antenna power other than for FHSS, DSSS, OFDM	
	Frequency:	Frequency of peak power found using [Setting 1]
	Span:	0 Hz
	RBW:	Bandwidth sufficient to cover that occupied by the carrier
	VBW:	Bandwidth sufficient to cover that occupied by the carrier
	Detector mode:	Sample
	Sweep:	Minimum time required to make an accurate measurement.
		For burst type (intermittent) transmission sweep time shall be greater than one burst interval
	Sweep data points:	1001 or greater

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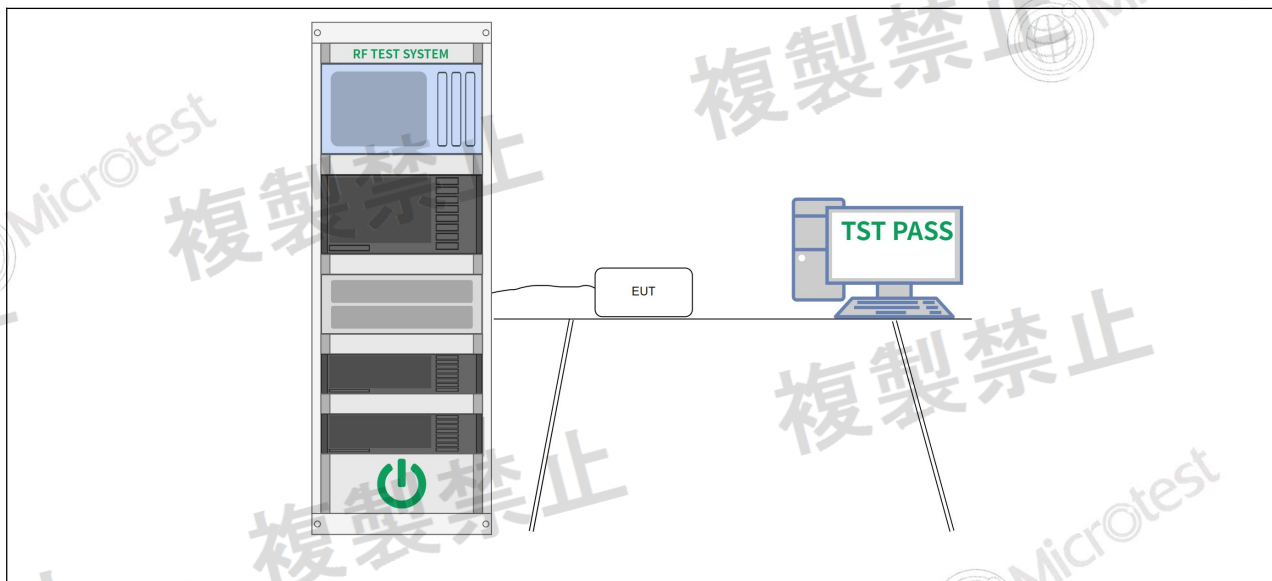
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Procedure:

- (1) After configuring the spectrum analyzer to [Setting 1], find the frequency of maximum transmitted power
 - (2) After configuring the spectrum analyzer to [Setting 2], measure the Average Burst Power of the frequency found in (1)
- Antenna Power (W/MHz) = Average Burst Power

6.4.1 E.U.T. Operation:
Operating Environment:

Temperature:	24.6 °C	Humidity:	48.7 %	Atmospheric Pressure:	101 kPa
Pre test mode:	Mode1				
Final test mode:	Mode1				

6.4.2 Test Setup Diagram:

6.4.3 Test Data:

Please Refer to Appendix for Details.

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6.5 Spurious Emission Intensity

Test Requirement:	Article 2-1, Item 19-2
Test Limit:	(1) Below 2458 MHz: 2.5 μ W (-26 dBm)/MHz or less (2) 2458 to 2471 MHz: 25.0 μ W (-16 dBm)/MHz or less (3) 2497 to 2510 MHz: 25.0 μ W (-16 dBm)/MHz or less (4) Over 2510 MHz: 2.5 μ W (-26 dBm)/MHz or less
Test Method:	[Setting 1] Frequency range: (see Note 1) RBW: 1 MHz VBW: 1 MHz Sweep time: Minimum time required to make an accurate measurement Sweep Data Points: 1001 or greater Detector mode: Positive peak Indication mode: Max hold (see Note 2) Note 1: Measurement range shall be 30 MHz to 12.5 GHz, except for the following cases: - FHSS, FHSS+DSSS, FHSS+OFDM: 2374 MHz to 2509.5 MHz - Other than FHSS, FHSS+DSSS, FHSS+OFDM: 2400 MHz to 2483.5 MHz Note 2: Sweep shall be repeated until the max hold waveform is stable. [Setting 2] Center frequency: Frequency of spurious emission found using [Setting 1] Span: 0 Hz RBW: 1 MHz VBW: 1 MHz Sweep time: Minimum time required to make an accurate measurement. For burst type (intermittent) spurious emissions, sweep time shall be greater than one burst interval Sweep Data Points: 1001 or greater Detector mode: Sample [Setting 3] Frequency range: 2374 MHz to 2400 MHz 2483.5 MHz to 2509.5 MHz RBW: 30 kHz VBW: 30 kHz Sweep time: Minimum time required to make an accurate measurement. Sweep data points: 1001 or greater Detector mode: Positive peak Indication mode: Max hold
Procedure:	(1) After configuring the spectrum analyzer to [Setting 1], search for spurious emissions from 30 MHz to 12.5 GHz. If the sweep range does not cover the required measurement frequency range then the measurement range will need to be divided into sufficient sections of size [RBW x Sweep Data Points]. If spurious emissions greater than [Limit - 3dB] are found, then more detailed measurements are required, go to step (2) (2) Configure the spectrum analyzer using [Setting 2] and measure the average signal amplitude. If the spurious emission is burst type (intermittent), then the average value shall not include signal OFF time. If spurious emissions ranging from 30 MHz to 2374 MHz and from 2509.5MHz to 12.5GHz are over the limit, then the test result is Fail.

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If spurious emissions ranging from 2374 MHz to 2400 MHz and from 2483.5 MHz to 2509.5 MHz are over the limit, then further detailed measurements are required, go to step (3)

(3) In the following cases, measure the spurious emissions using [Setting 3]

- Case1: FHSS, FHSS+DSSS, FHSS+OFDM

- Case2: Other than FHSS, FHSS+DSSS, FHSS+OFDM, and the spurious emissions in step (2) are over the limit

(4) Calculate the spurious emission value (Calculated Value) using following the formula below:

Calculated Value = (Measured Value using (3) + 15.2dB)

Note: 15.2dB adjustment is derived from the Conversion Factor of RBW

Conversion Factor of RBW = $10 \times \log(\text{Reference Bandwidth} / \text{RBW of measurement}) = 15.2 \text{ [dB]}$ Where: Reference Bandwidth = 1 MHz

RBW of measurement = 30 kHz

(5) If the calculated value using (4) is over the Limit (section 6.7), go to (6)

(6) Configure the spectrum analyzer to [Setting 3] then make the following changes: Frequency: Frequency of spurious emission

Span: 1 MHz

(7) After sweep, send the span data set to the PC

(8) Convert measured data from dBm to Watts

(9) Sum all the data using the formula below. If the sum is within the limit, the test result is Pass, otherwise, Fail

$$P_s = \left(\sum_{i=1}^n E_i \right) \times \frac{S_w}{RBW \times k \times n}$$

Ps: Sum (Watts)

Ei: Measured value at each point in the Span (Watts) Sw: Span (1MHz)

n: Number of measurement points in the Span

k: Correction factor for Equivalent Noise Bandwidth, specific to each spectrum analyzer, check the instrument user guide

RBW: Resolution Bandwidth (MHz).

(10) If the EUT has multiple antennas, measure the spurious emission form each individual antenna using steps (1) through (9)

(11) Convert the individual antenna spurious level measurements (step (10)) from dB to absolute values

(12) Combine (sum) the absolute values of the spurious measurements at each frequency for each antenna (to create a single composite spectrum of spurious emissions)

(13) Ensure that the composite spectrum does not exceed the Limit defined in 6.7 (Technical Standard)

(14) Configuring the spectrum analyzer using [Setting 3] and measure the spurious emissions with all the antennas electrically combined

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6.5.1 E.U.T. Operation:

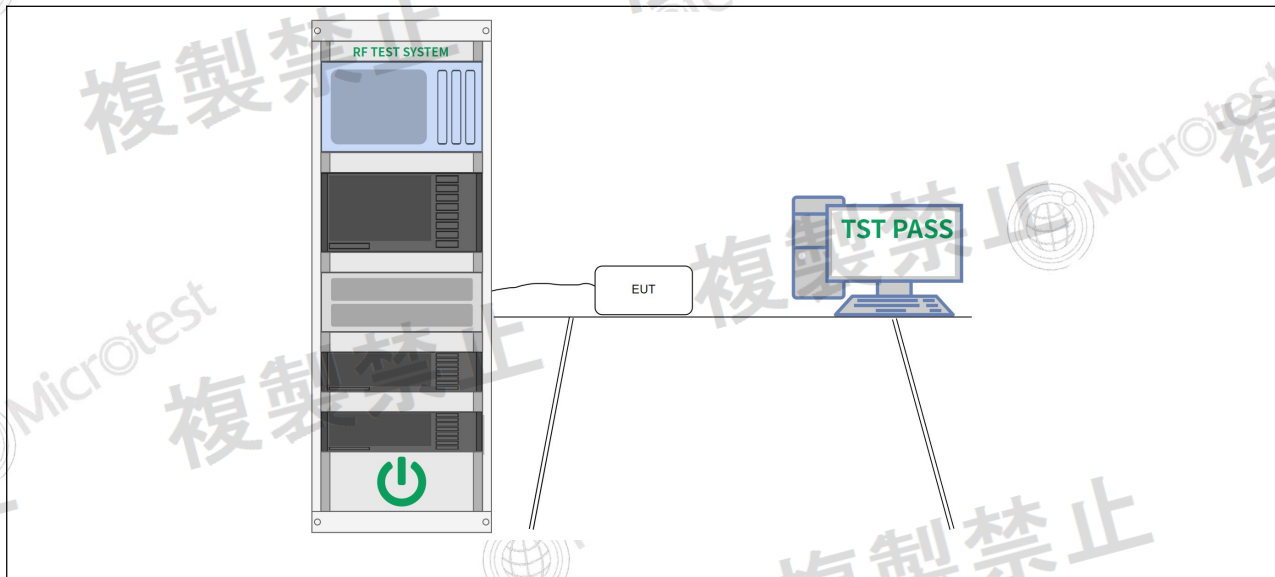
Operating Environment:

Temperature:	24.6 °C	Humidity:	48.7 %	Atmospheric Pressure:	101 kPa
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Pre test mode:	Mode1
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Final test mode:	Mode1
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6.5.2 Test Setup Diagram:



6.5.3 Test Data:

Please Refer to Appendix for Details.

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6.6 Secondary Radiated Emissions

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

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6.6.1 E.U.T. Operation:

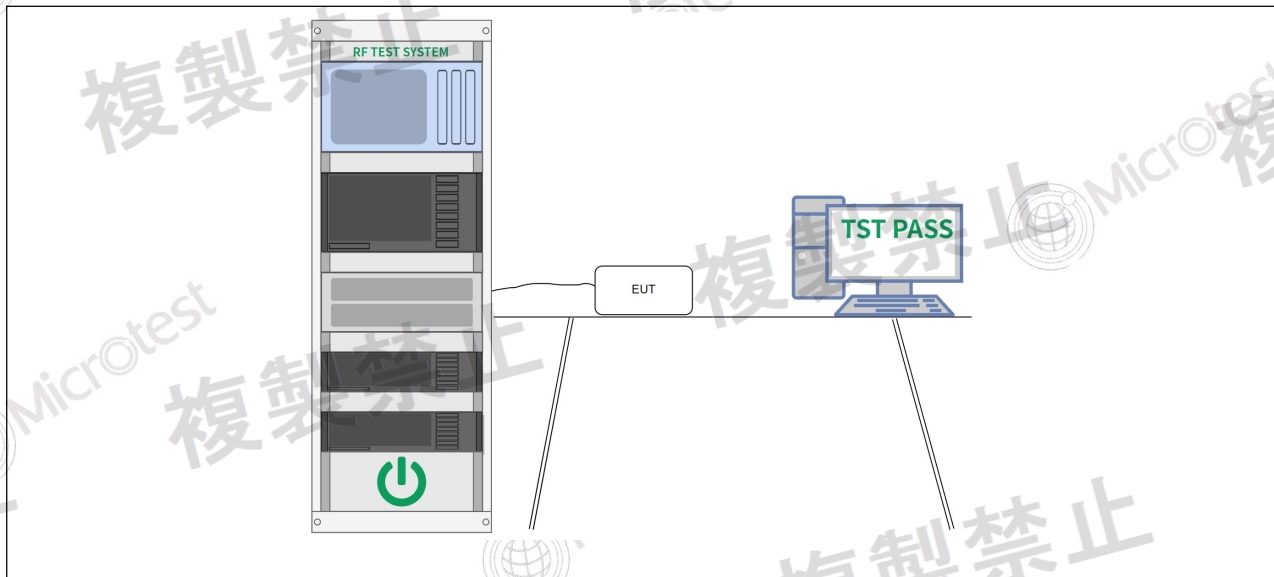
Operating Environment:

Temperature:	24.6 °C	Humidity:	48.7 %	Atmospheric Pressure:	101 kPa
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Pre test mode:	Mode3
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Final test mode:	Mode3
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6.6.2 Test Setup Diagram:



6.6.3 Test Data:

Please Refer to Appendix for Details.

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Photographs of the test setup

Refer to Appendix - Test Setup Photos

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Photographs of the EUT

Refer to Appendix - EUT Photos

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Appendix A: Frequency Error

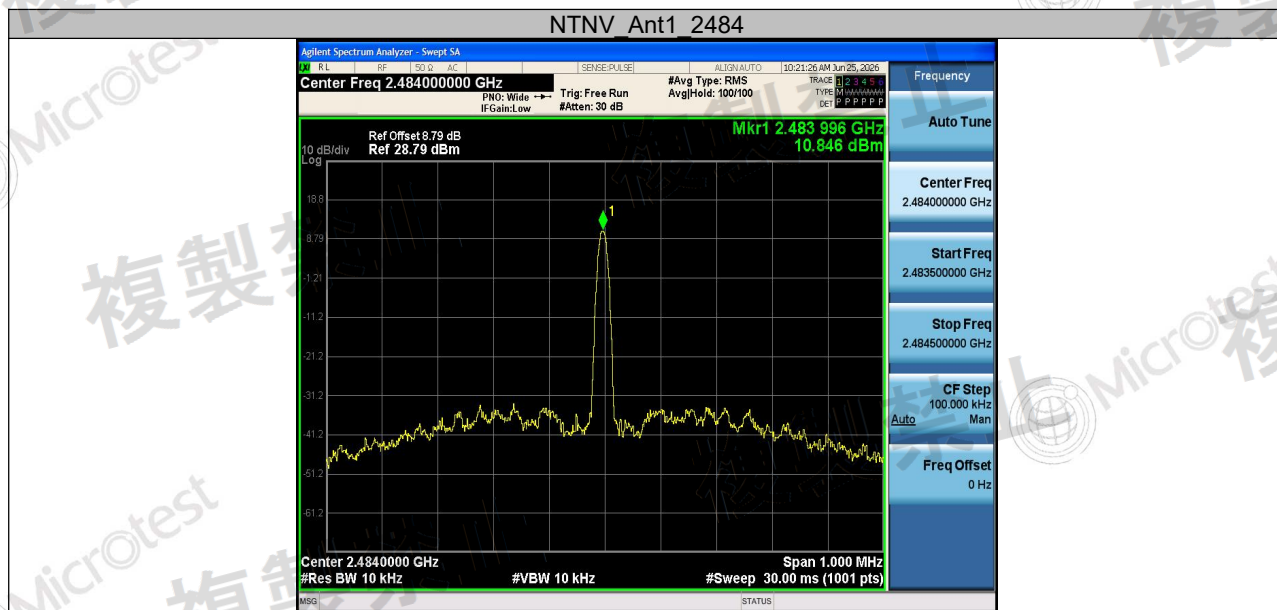
Test Result

TestCondition	TestMode	Antenna	Frequency[MHz]	CenterFreq[MHz]	Result[ppm]	Limit[ppm]	Verdict
NTNV	unmodulated carrier	Ant1	2484	2483.996	-1.61031	±50	PASS

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6.6.4 Test Graphs



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Appendix B: Antenna Power

Test Result PSD

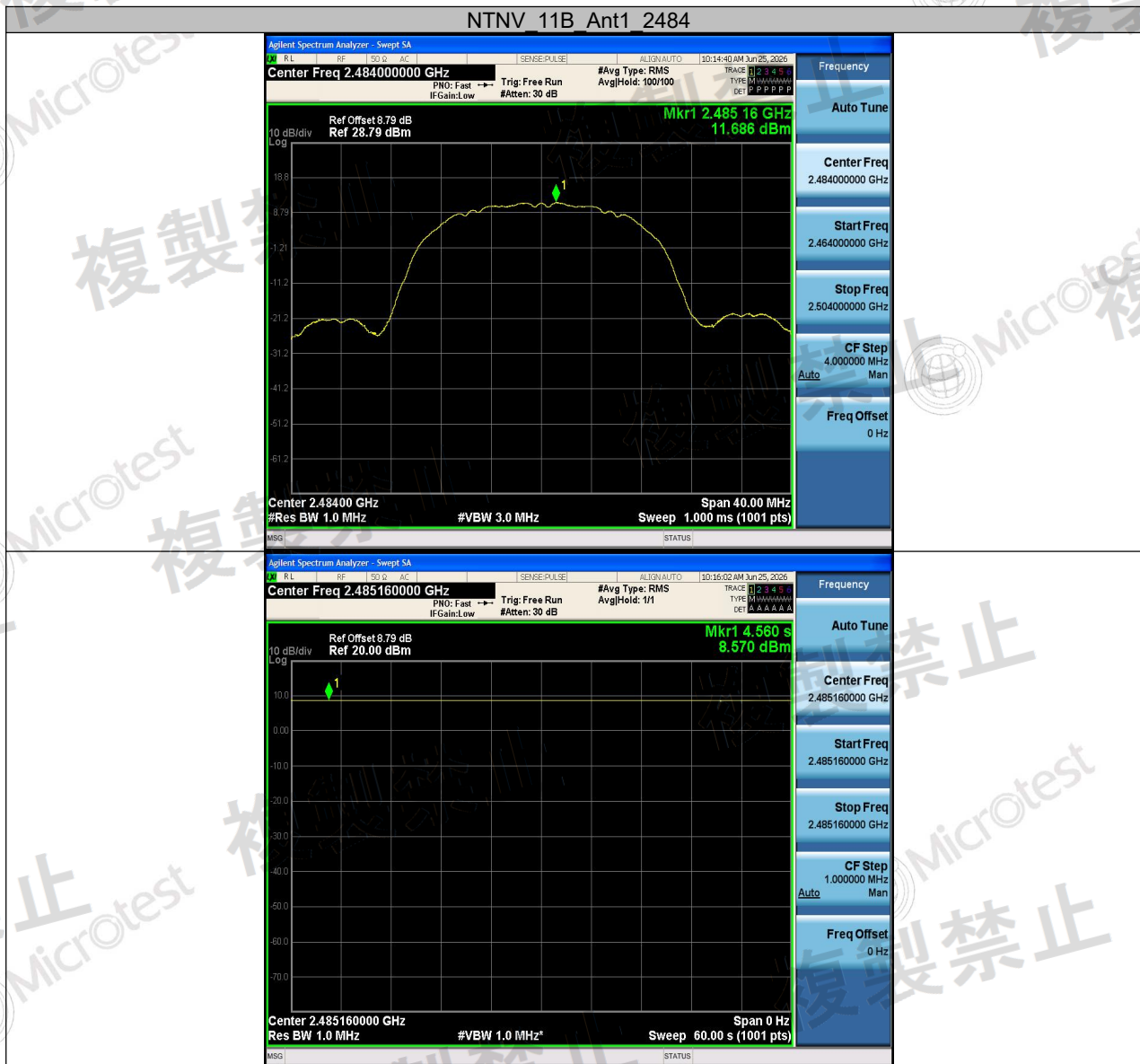
Mode	Frequency (MHz)	Conducted RF output power (dBm/ MHz)	Conducted RF output power (mW/MHz)	Rated power (mW/MHz)	Limits (mW/MHz)	Antenna power tolerance (%)	Limit of antenna power tolerance (%)
802.11b	2484	8.570	7.194	7	10	-30.00%	$\geq -80\%$ $\leq 20\%$

Modulation	Frequency	Antenna power	Antenna Gain	Measured EIRP	Limit
	(MHz)	(dBm/MHz)	(dBi)	(dBm/MHz)	(dBm/MHz)
IEEE 802.11b	2484	8.570	3.37	11.940	12.14

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Appendix C: Occupied Bandwidth

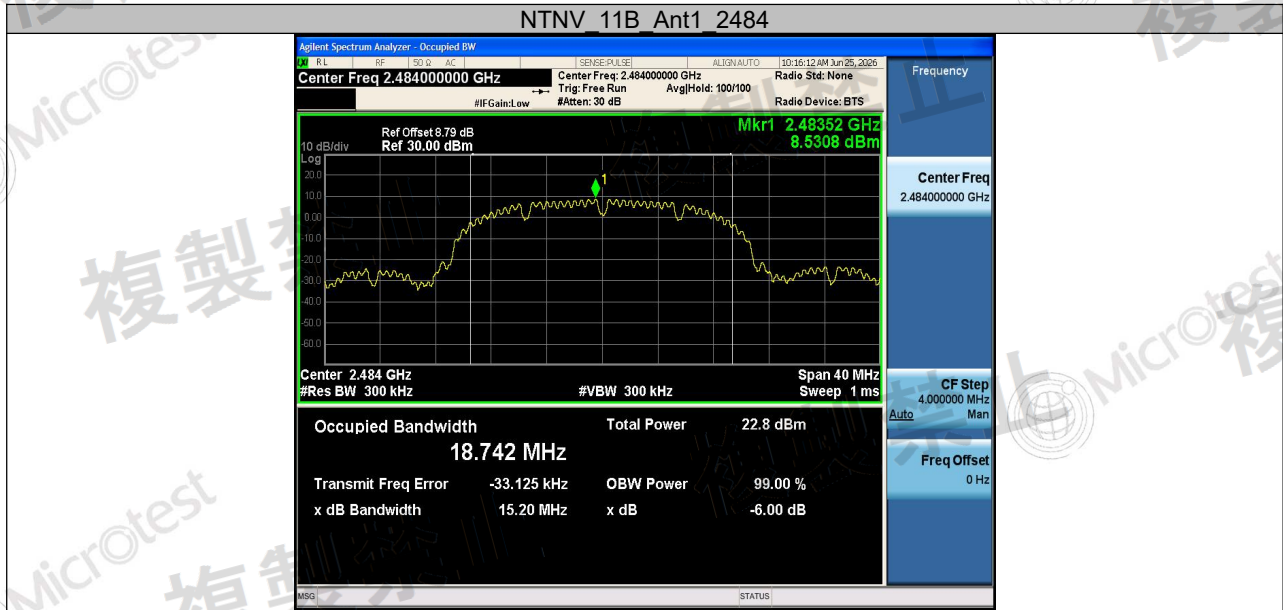
Test Result

TestCondition	TestMode	Antenna	Frequency[MHz]	Result [MHz]	Limit [MHz]	Verdict
NTNV	11B	Ant1	2484	18.742	≤26	PASS

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Appendix D: Spread Bandwidth

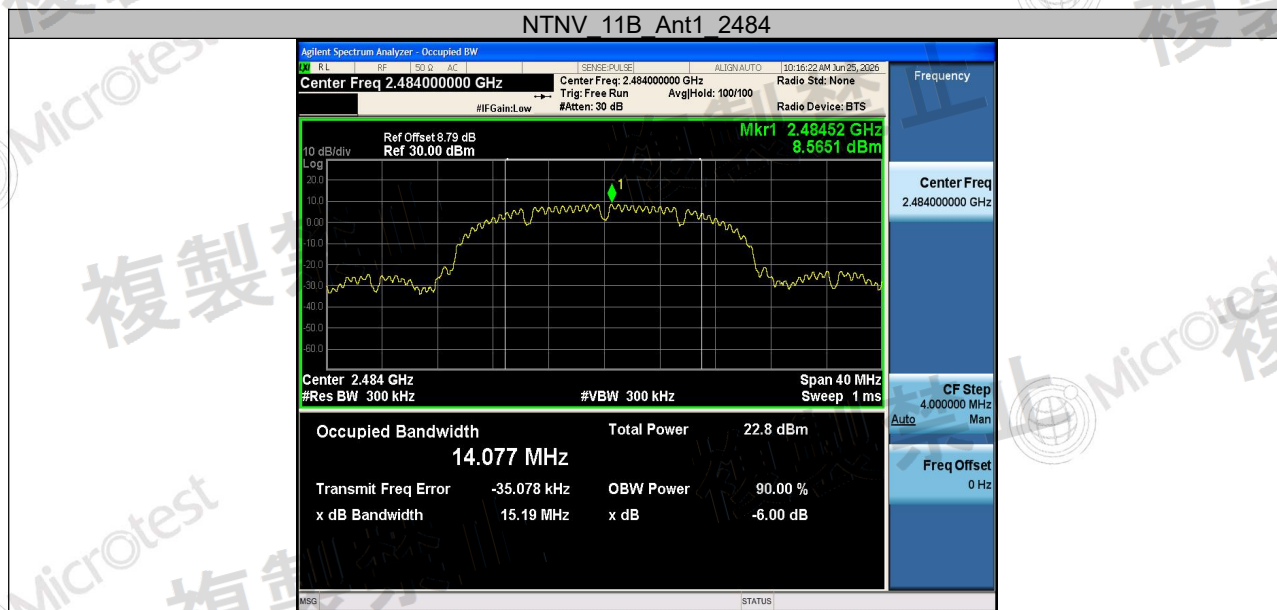
Test Result

TestCondition	TestMode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	SpreadF actor	Limit	Verdict
NTNV	11B	Ant1	2484	14.077	≥0.5	10.238	>10	PASS

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6.6.5 Test Graphs



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Appendix E: Spurious Emission of TX

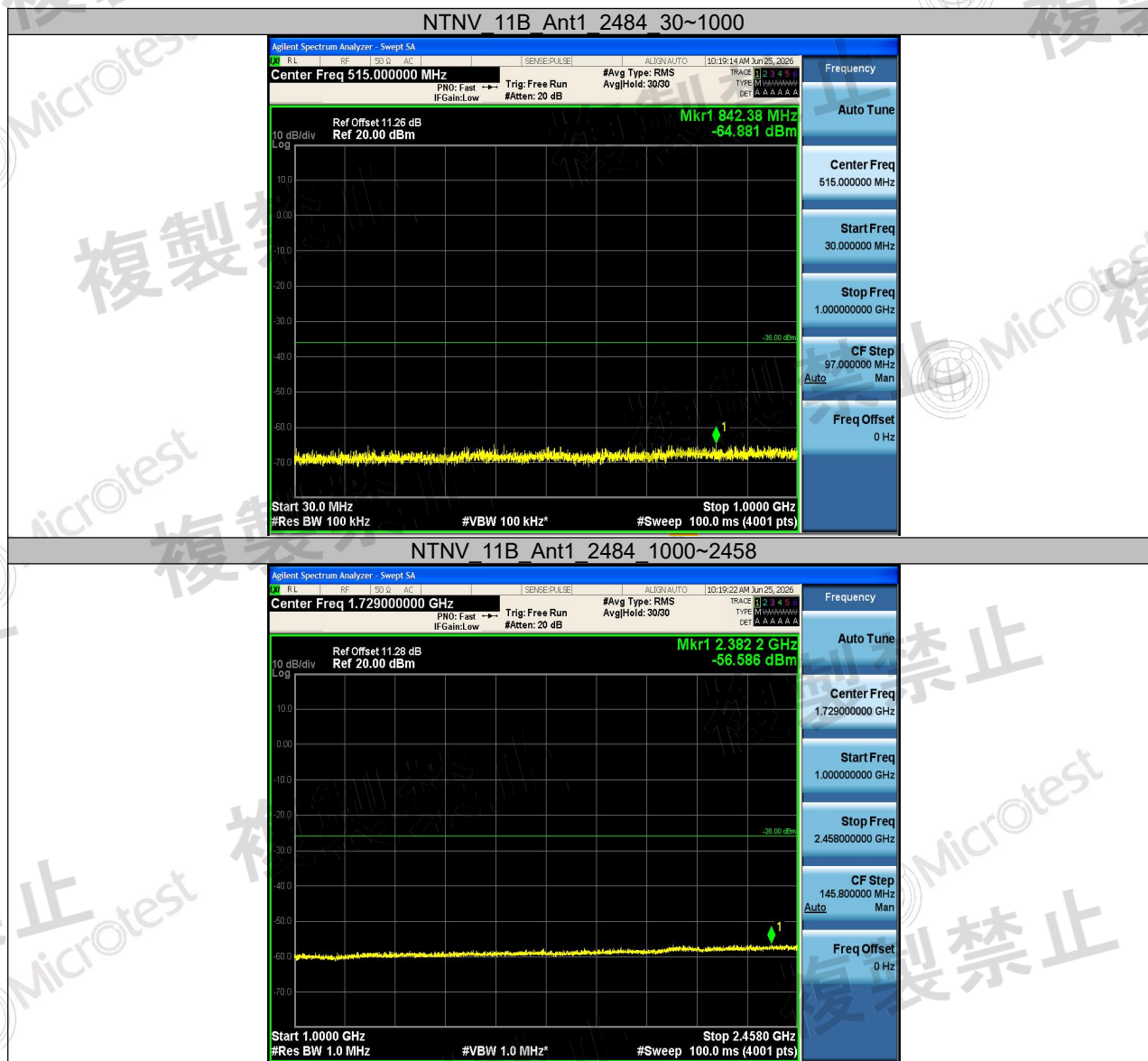
Test Result

TestCondition	TestMode	Antenna	Frequency[MHz]	Freq.Range [MHz]	Result [dBm]	Limit [dBm]	Result [μW]	Limit [μW]	Verdict
NTNV	11B	Ant1	2484	30~1000	-64.88	≤-36	0.00033	≤0.3	PASS
				1000~2458	-56.59	≤-26	0.00219	≤2.5	PASS
				2458~2471	-46.01	≤-16	0.02506	≤25	PASS
				2497~2510	-46.42	≤-16	0.02280	≤25	PASS
				2510~13000	-43.82	≤-26	0.04150	≤2.5	PASS

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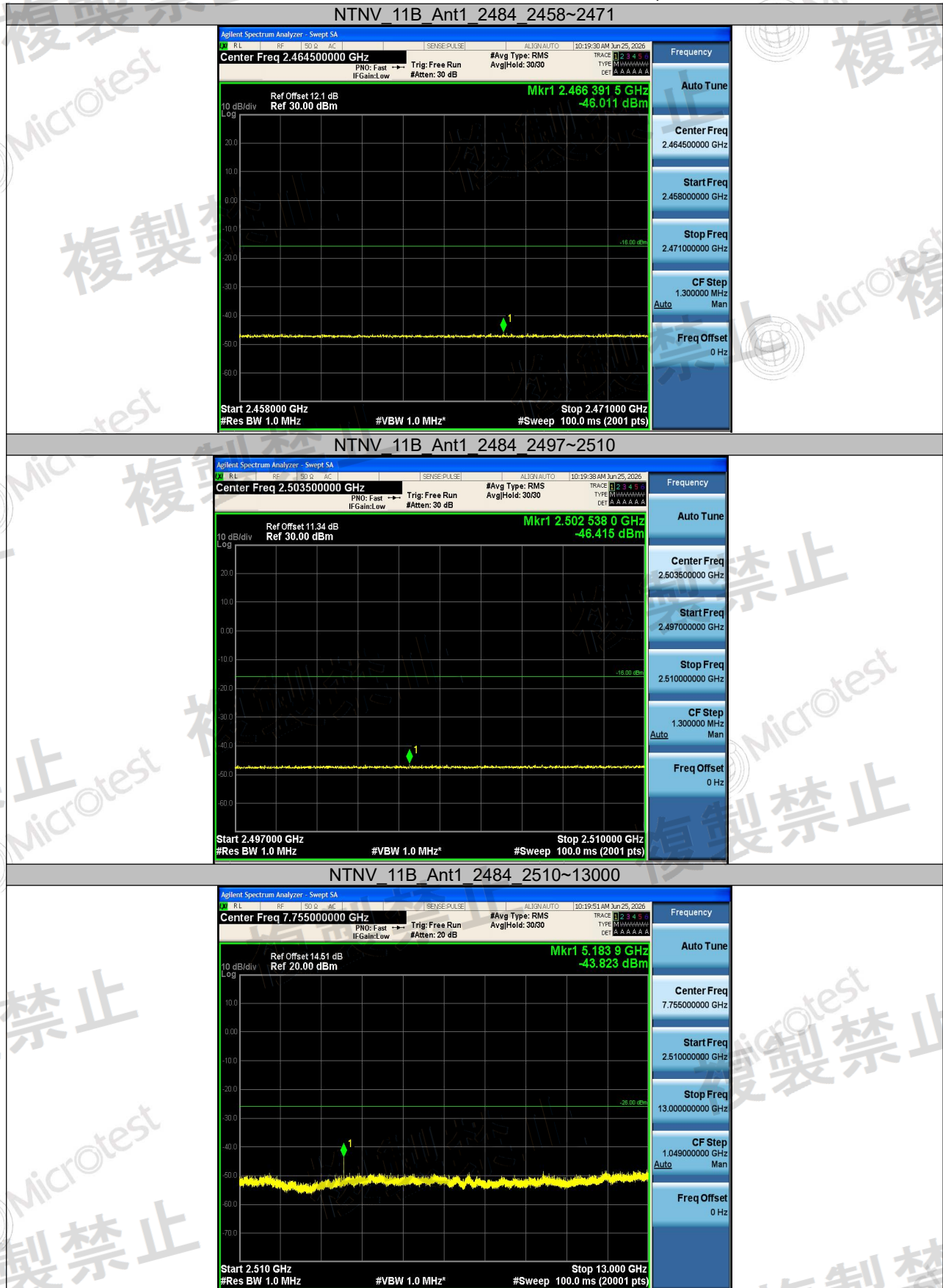
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Appendix F: Spurious Emission of RX

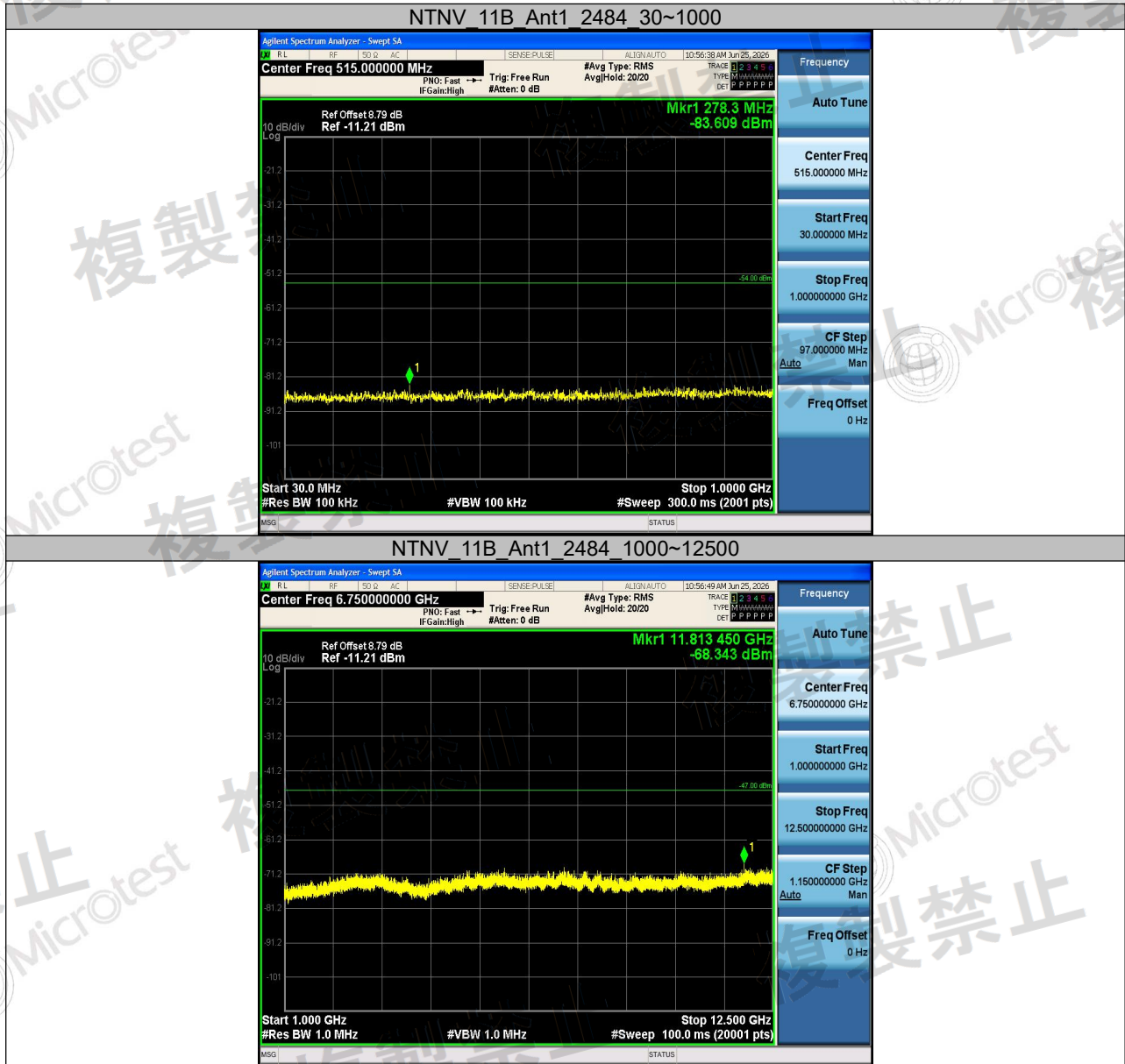
Test Result

TestCondition	TestMode	Antenna	Frequen cy[MHz]	Freq.Range [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	11B	Ant1	2484	30~1000	-83.61	≤-54	0.00436	≤4	PASS
				1000~12500	-68.34	≤-47	0.14655	≤20	PASS

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Statement

1. This report is invalid without the seal and signature of the laboratory.
2. The test results of this report are only responsible for the samples submitted. Client shall be responsible for representativeness of the sample and authenticity of the material.
3. The report shall not be partially reproduced without the written consent of the Laboratory.
4. This report is invalid if transferred, altered or tampered with in any form without authorization.
5. The observations or tests with special mark fall outside the scope of accreditation, and are only used for purpose of commission, research, training, internal quality control etc.
6. Any objection to this report shall be submitted to the laboratory within 15 days from the date of receipt of the report.

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