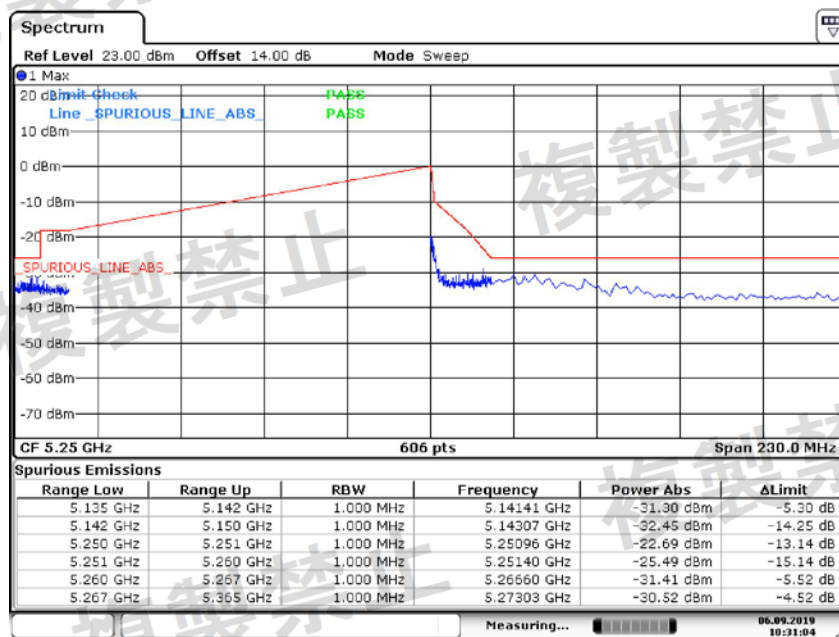


Sweep Bandwidth 5020MHz~5480MHz

Band	Mode	Frequency (MHz)	Result
W52	802.11ac (80 MHz)	5210	PASS

Model	802.11ac (80 MHz)	Test Voltage	Normal voltage
Test Frequency	5210MHz	Test Result	Pass
Sweep Bandwidth	5020MHz~5480MHz		



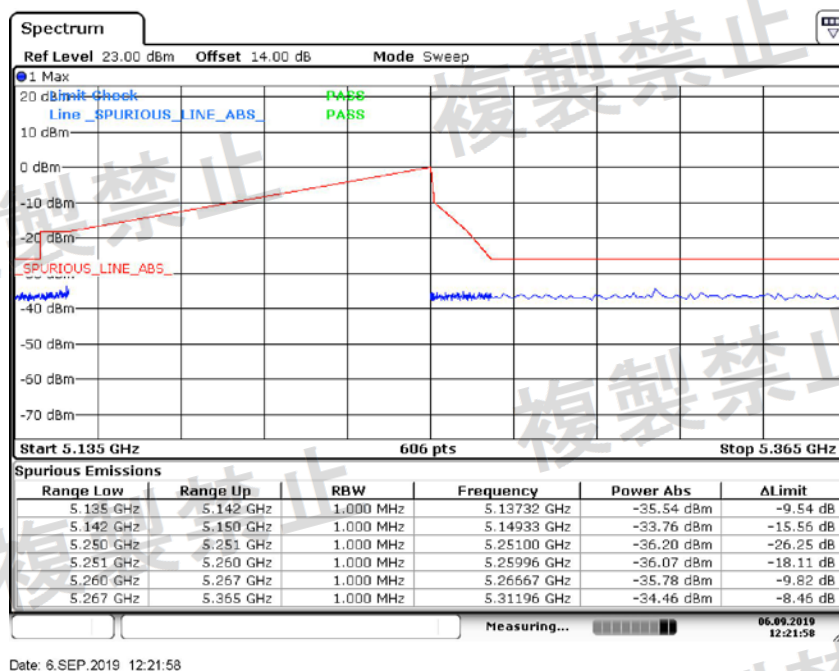
Date: 6.SEP.2019 10:31:03

Antenna 2

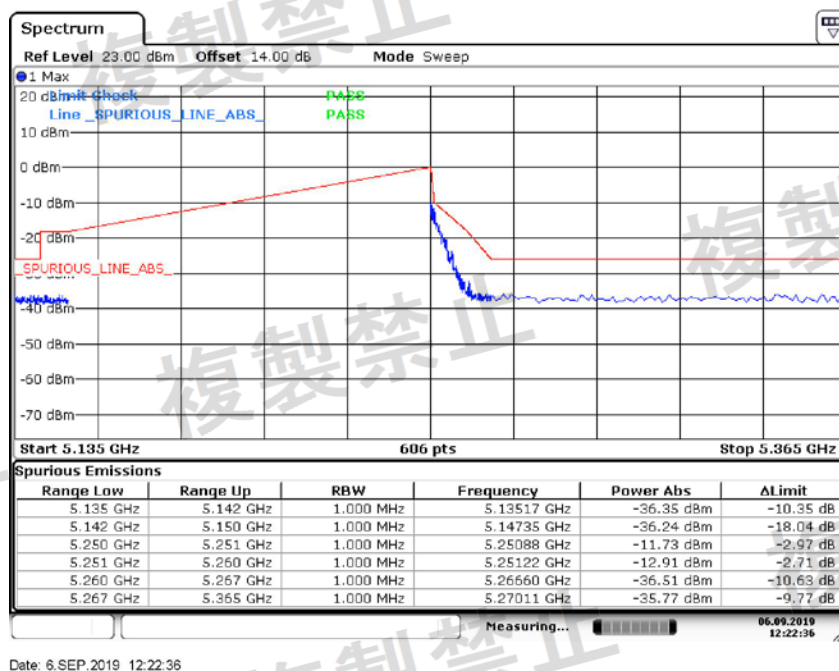
Sweep Bandwidth 5140MHz~5360MHz

Band	Mode	Frequency (MHz)	Result
W52	802.11a	5180	PASS
		5240	PASS

Model	802.11a	Test Voltage	Normal voltage
Test Frequency	5180MHz	Test Result	Pass
Sweep Bandwidth	5140MHz~5360MHz		



Model	802.11a	Test Voltage	Normal voltage
Test Frequency	5240MHz	Test Result	Pass
Sweep Bandwidth	5140MHz~5360MHz		



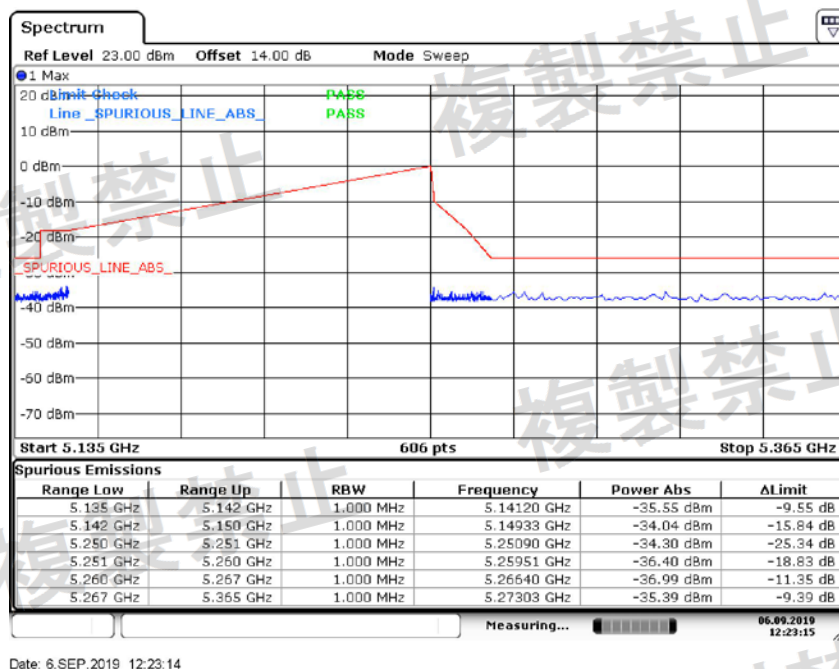
Sweep Bandwidth 5135MHz~5365MHz

Band	Mode	Frequency (MHz)	Result
W52	802.11n (HT20)	5180	PASS
		5240	PASS

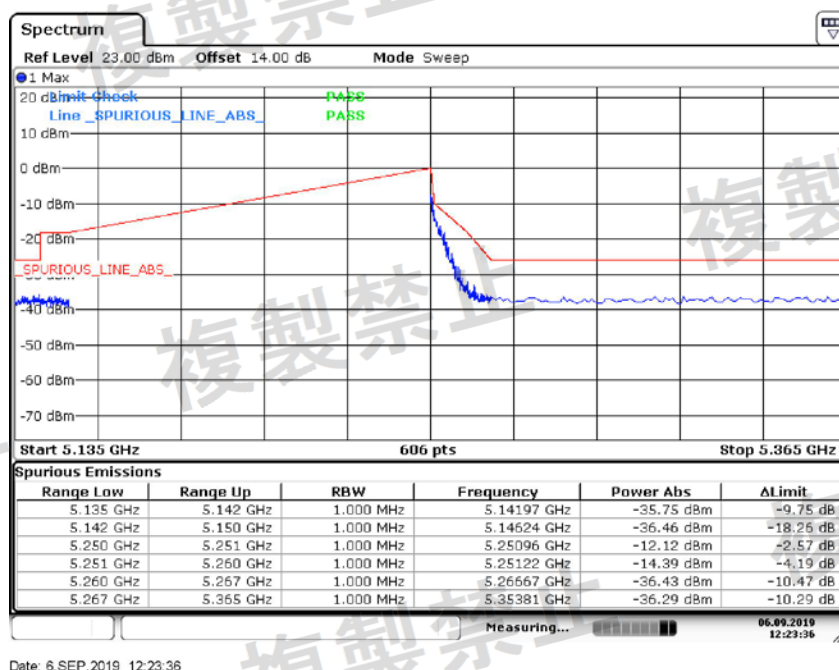
Band	Mode	Frequency (MHz)	Result
W52	802.11ac (20 MHz)	5180	PASS
		5240	PASS

TEST PLOTS

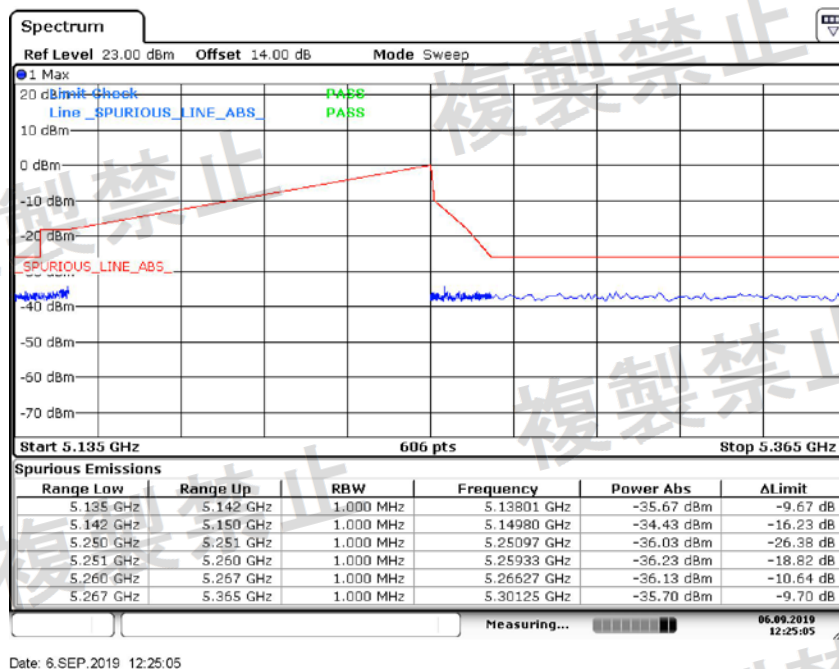
Model	802.11n(HT20)	Test Voltage	Normal voltage
Test Frequency	5180MHz	Test Result	Pass
Sweep Bandwidth	5135MHz~5365MHz		



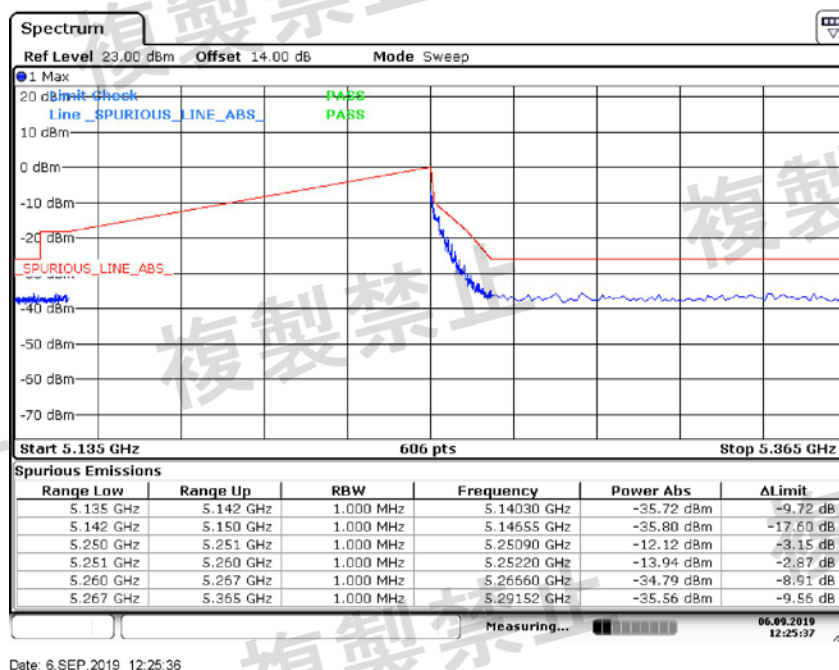
Model	802.11n(HT20)	Test Voltage	Normal voltage
Test Frequency	5240MHz	Test Result	Pass
Sweep Bandwidth	5135MHz~5365MHz		



Model	802.11ac (20 MHz)	Test Voltage	Normal voltage
Test Frequency	5180MHz	Test Result	Pass
Sweep Bandwidth	5135MHz~5365MHz		



Model	802.11ac (20 MHz)	Test Voltage	Normal voltage
Test Frequency	5240MHz	Test Result	Pass
Sweep Bandwidth	5135MHz~5365MHz		



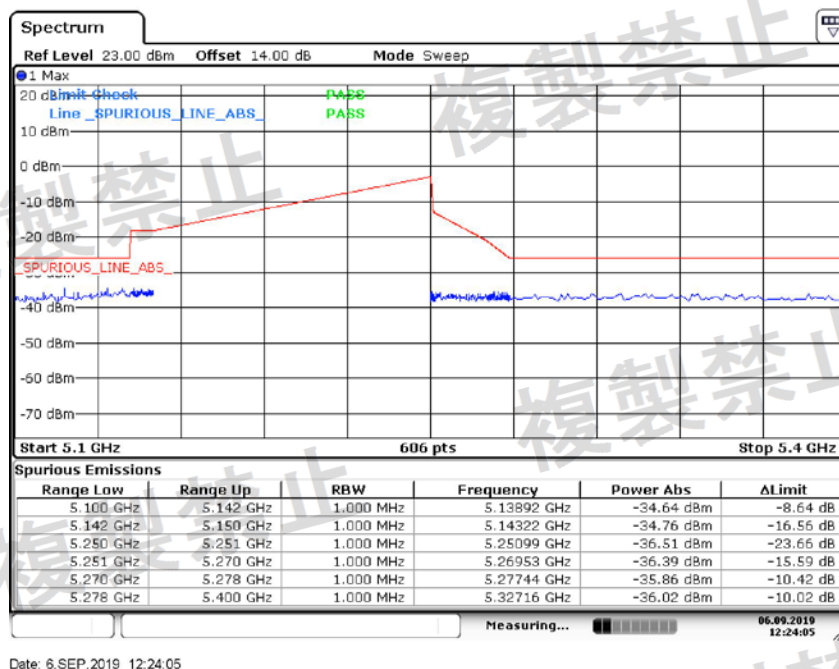
Sweep Bandwidth 5100MHz~5400MHz

Band	Mode	Frequency (MHz)	Result
W52	802.11n (HT40)	5190	PASS
		5230	PASS

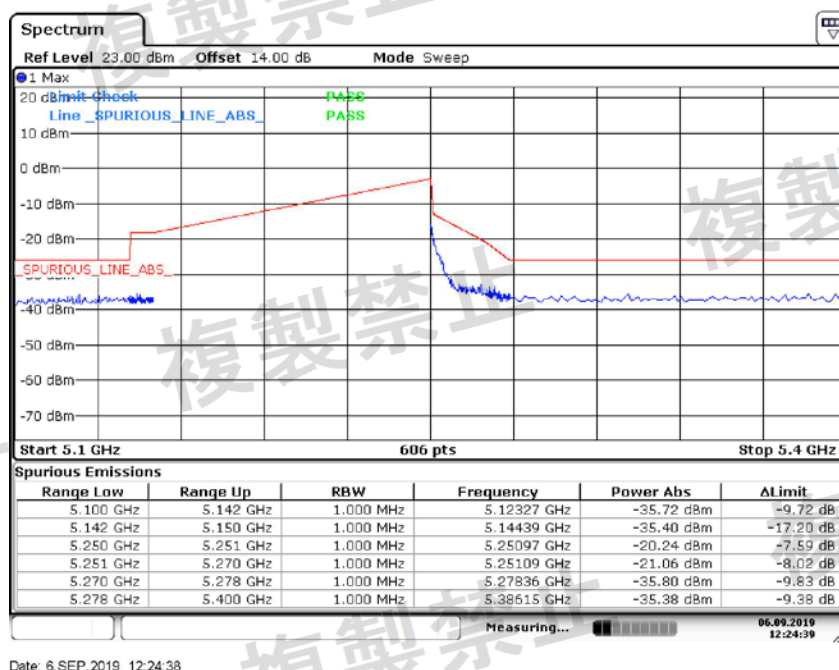
Band	Mode	Frequency (MHz)	Result
W52	802.11ac (40 MHz)	5190	PASS
		5230	PASS

TEST PLOTS

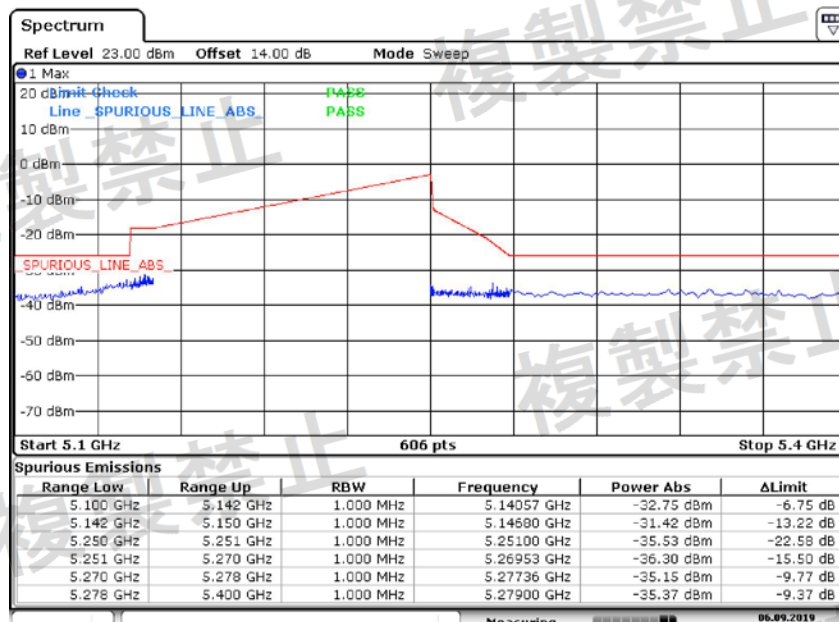
Model	802.11n(HT40)	Test Voltage	Normal voltage
Test Frequency	5190MHz	Test Result	Pass
Sweep Bandwidth	5100MHz~5400MHz		



Model	802.11n(HT40)	Test Voltage	Normal voltage
Test Frequency	5230MHz	Test Result	Pass
Sweep Bandwidth	5100MHz~5400MHz		

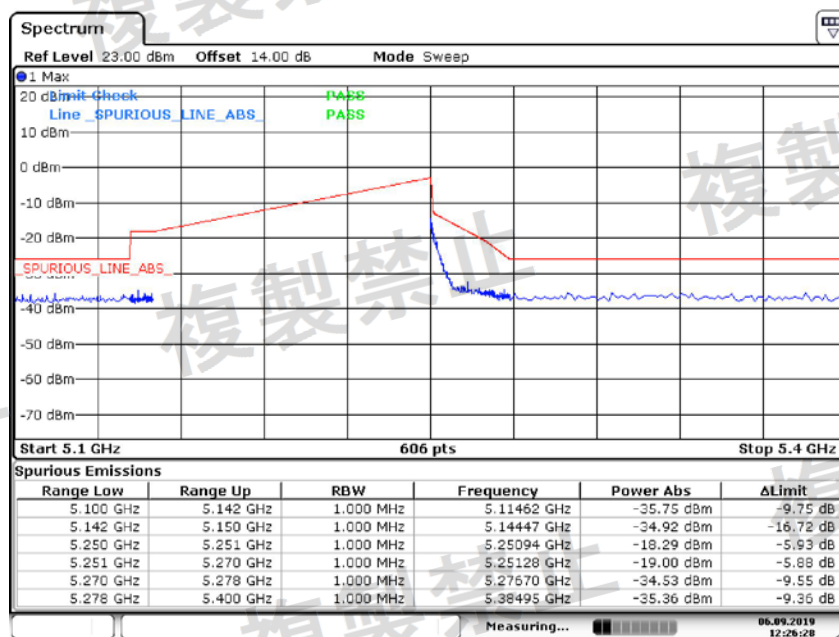


Model	802.11ac (40 MHz)	Test Voltage	Normal voltage
Test Frequency	5190MHz	Test Result	Pass
Sweep Bandwidth	5100MHz~5400MHz		



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Model	802.11ac (40 MHz)	Test Voltage	Normal voltage
Test Frequency	5230MHz	Test Result	Pass
Sweep Bandwidth	5100MHz~5400MHz		

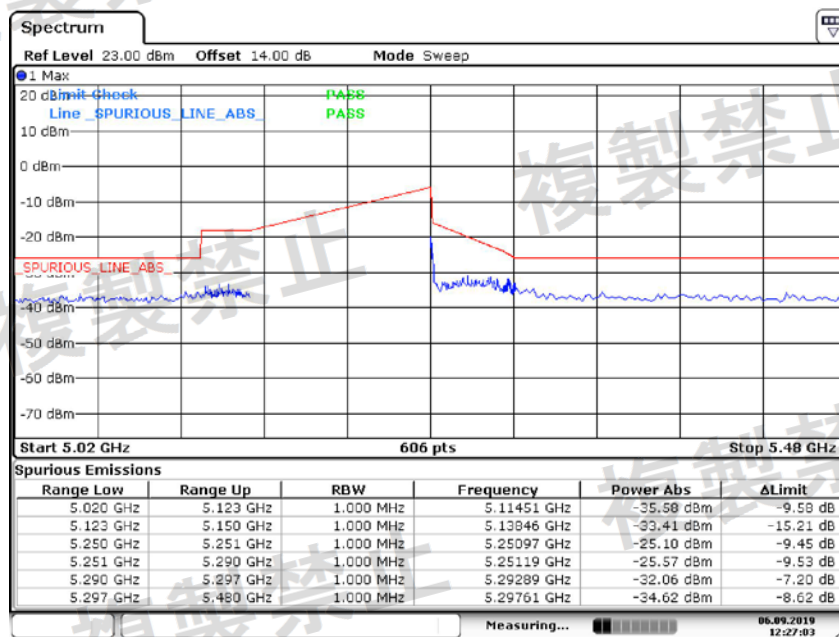


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Sweep Bandwidth 5020MHz~5480MHz

Band	Mode	Frequency (MHz)	Result
W52	802.11ac (80 MHz)	5210	PASS

Model	802.11ac (80 MHz)	Test Voltage	Normal voltage
Test Frequency	5210MHz	Test Result	Pass
Sweep Bandwidth	5020MHz~5480MHz		



Date: 6.SEP.2019 12:27:03

14 LIMITATION OF COLLATERAL EMISSIONS OF RECEIVER

14.1 Limit

ARIB STD-T71, Clause 3.1.3 (1)

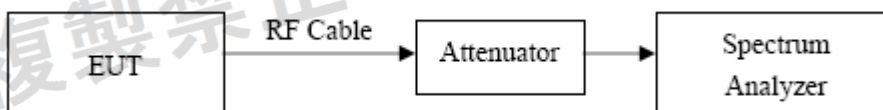
Frequency	Limit
Below 1GHz	4nW(-54dBm) or less
Above 1GHz	20nW(-47dBm) or less

14.2 Test Procedure

Test Method for Radio Equipment mentioned in Certification Regulations Article 2, Item 19-3-2 MIC Notice No.88 Annex45 Clause 8

14.3 Test Configuration

Temperature and Voltage Measurement (under normal and extreme test conditions)



Remarks:

The spectrum analyzer could be connected to a monopole antenna or directly connected to the EUT, if the EUT has already employing an antenna connector.

14.4 Test Procedure

- (1) A spectrumIn case of conducted measurements, the radio device shall be connected to the measuring equipment via a suitable attenuator.
- (2) The measurement equipment shall be set for peak hold mode of operation.
- (3) the transmitter shall be operated at the receiving mode.
- (4) The resolution bandwidth shall be set to 100kHz from 10MHz to 1GHz, the resolution bandwidth shall be set to 1MHz above 1GHz , and the sweep time shall be set to auto mode, to ensure all major modulation products are captured.
- (5) When the searched result is less than the specified limit, the maximum one shall be recorded, when the result is more than the specified limit, all measured values shall be recorded.
- (5) This measurement shall be repeated with the transmitter in standby mode where applicable.
- (6) Repeat above procedures until all frequency measured was complete.

14.5 Environmental Conditions

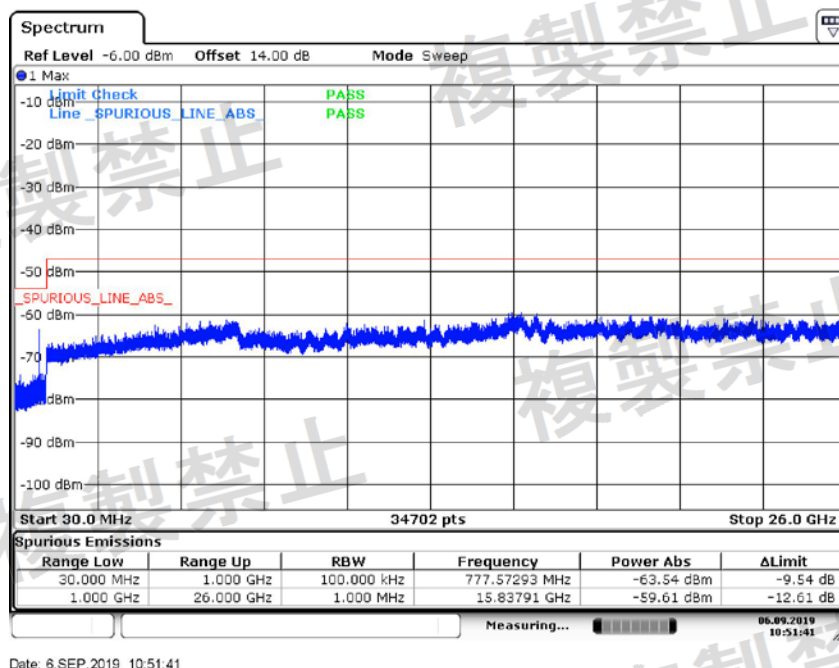
Temperature:	24 °C
Relative Humidity:	55%
ATM Pressure:	1011 mbar

14.6 TEST RESULT

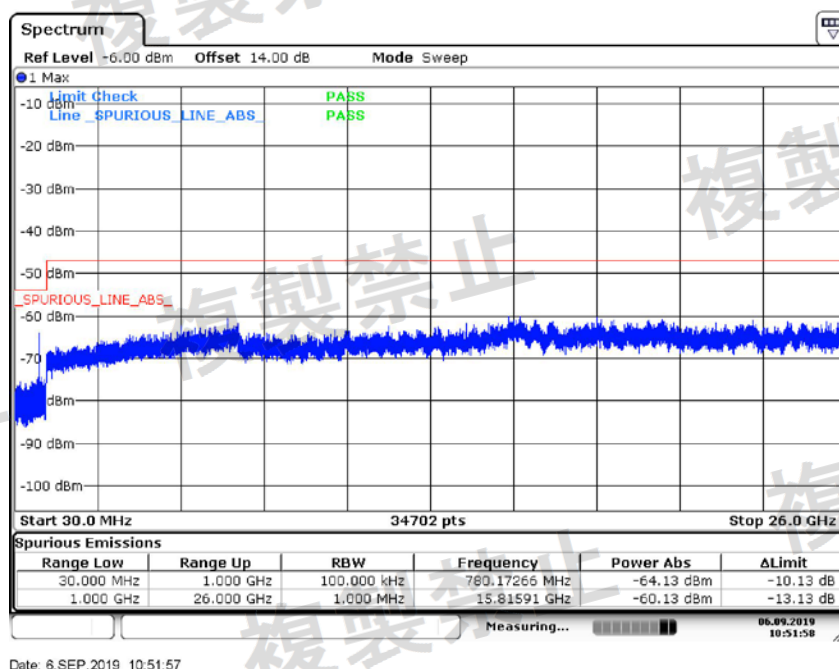
TEST PLOTS

Antenna 1

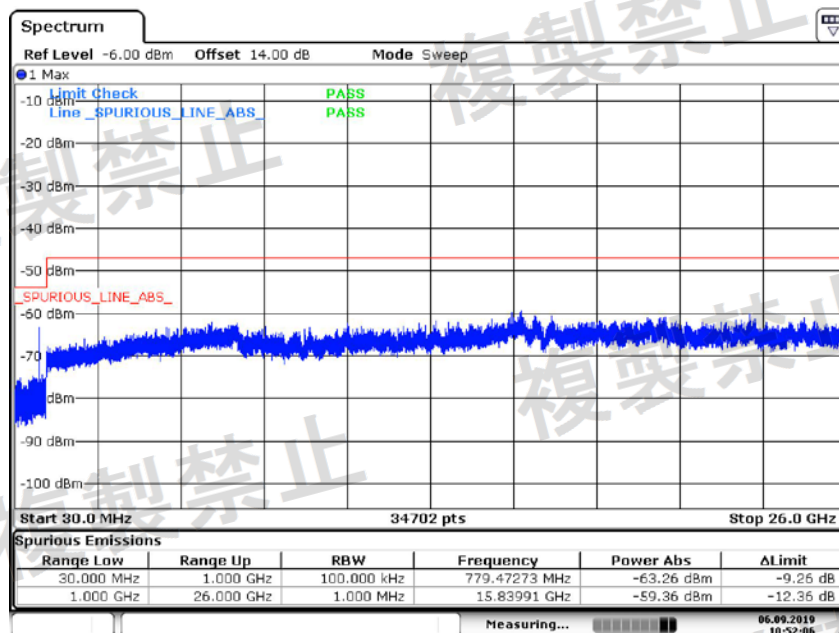
Model	802.11a	Test Voltage	Normal voltage
Test Frequency	5180MHz	Test Result	Pass
Sweep Bandwidth	30MHz-26GHz		



Model	802.11a	Test Voltage	Normal voltage
Test Frequency	5200MHz	Test Result	Pass
Sweep Bandwidth	30MHz-26GHz		

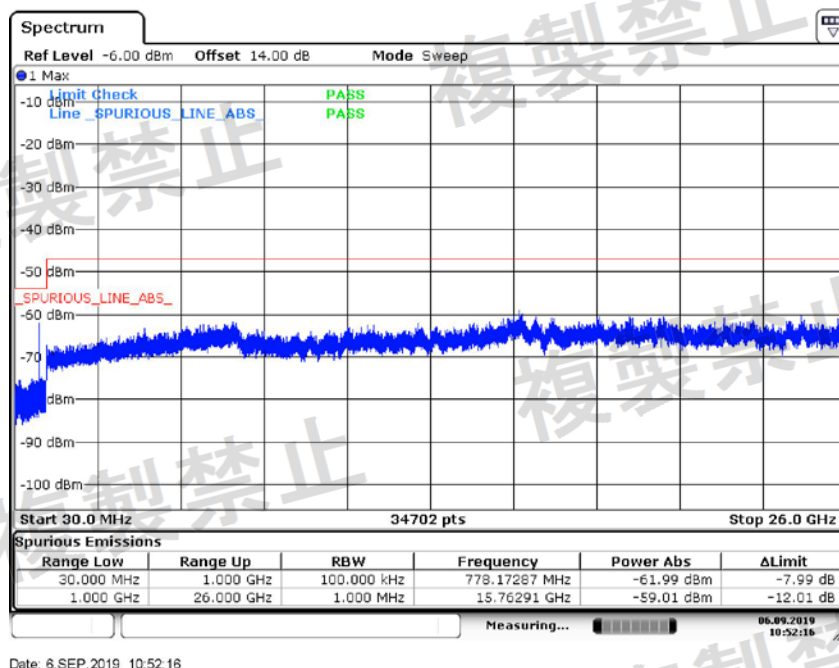


Model	802.11a	Test Voltage	Normal voltage
Test Frequency	5240MHz	Test Result	Pass
Sweep Bandwidth	30MHz-26GHz		

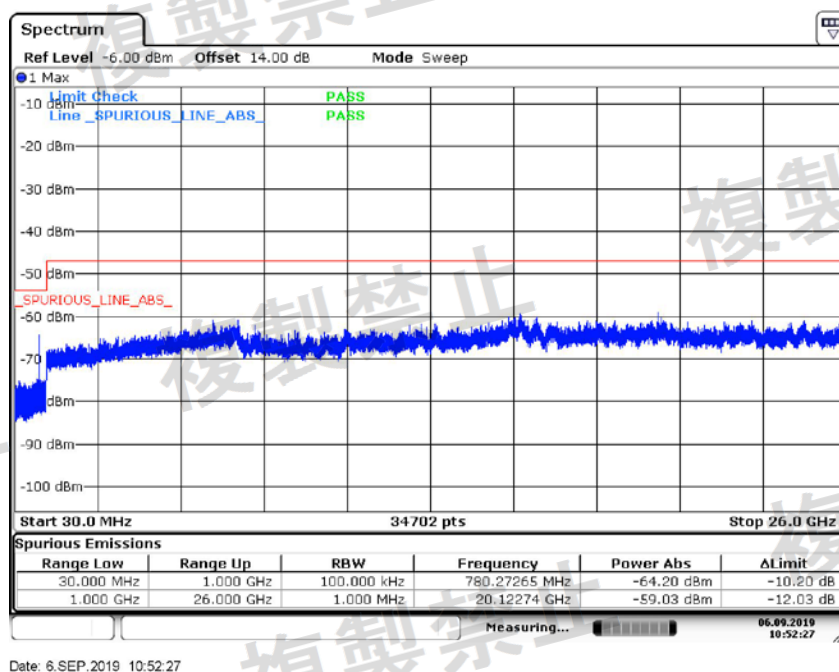


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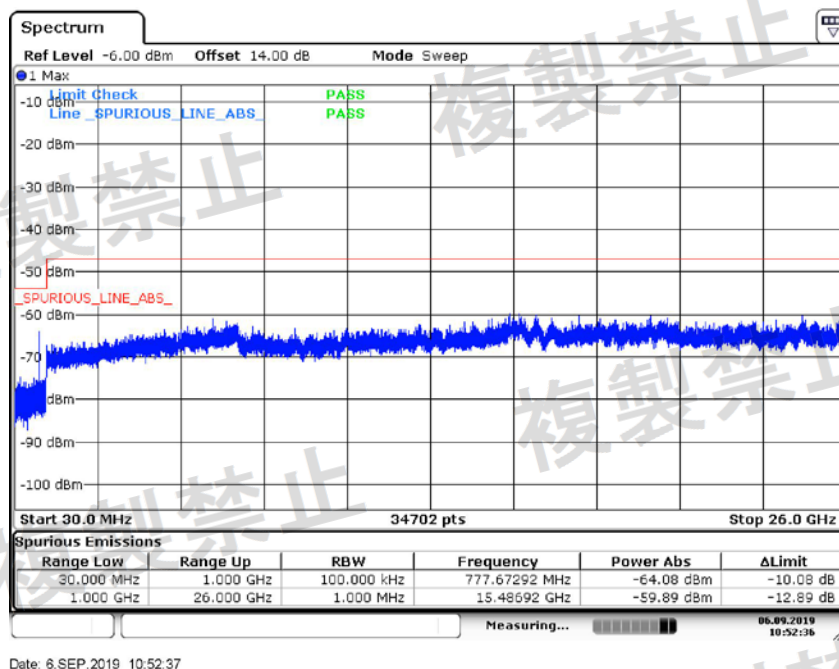
Model	802.11ac (20 MHz)	Test Voltage	Normal voltage
Test Frequency	5180MHz	Test Result	Pass
Sweep Bandwidth	30MHz-26GHz		



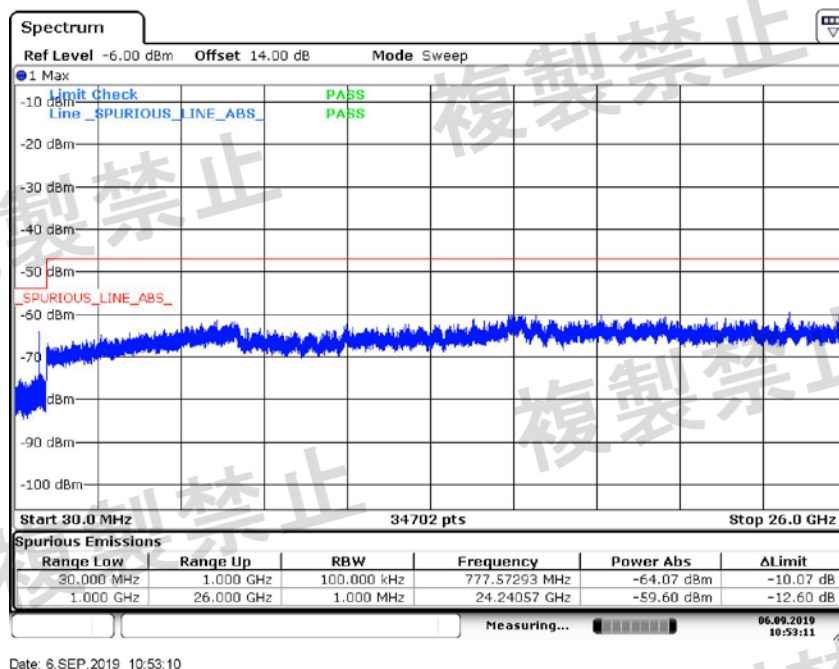
Model	802.11ac (20 MHz)	Test Voltage	Normal voltage
Test Frequency	5200MHz	Test Result	Pass
Sweep Bandwidth	30MHz-26GHz		



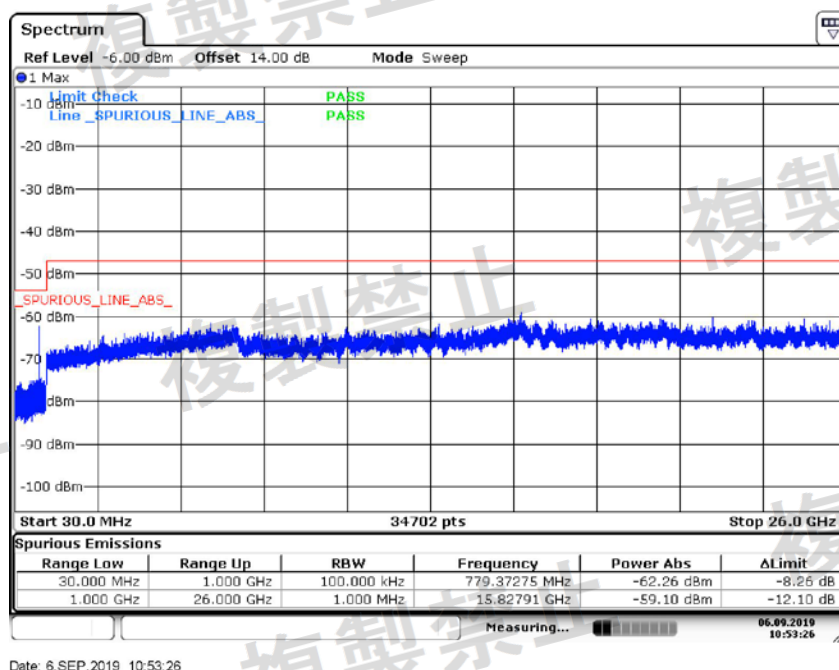
Model	802.11ac (20 MHz)	Test Voltage	Normal voltage
Test Frequency	5240MHz	Test Result	Pass
Sweep Bandwidth	30MHz-26GHz		



Model	802.11n (HT20)	Test Voltage	Normal voltage
Test Frequency	5180MHz	Test Result	Pass
Sweep Bandwidth	30MHz-26GHz		



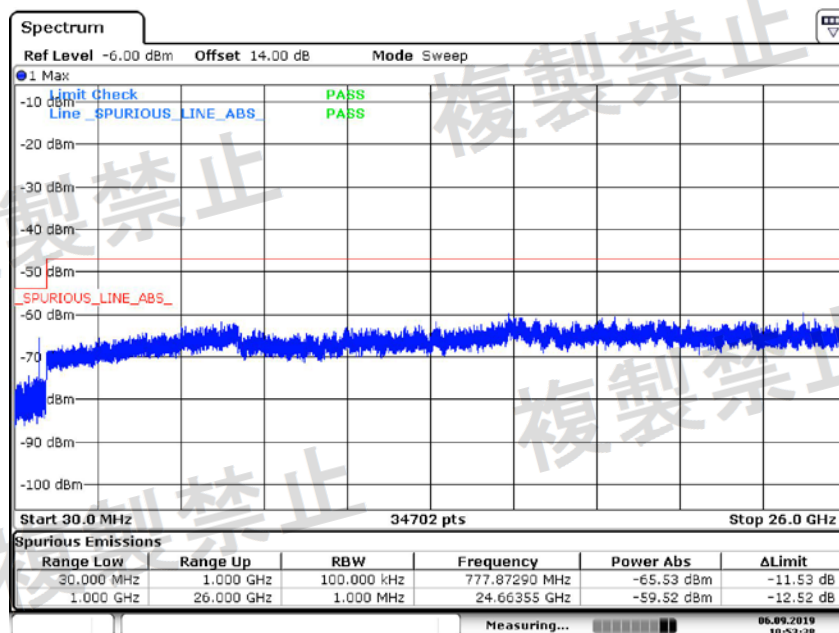
Model	802.11n (HT20)	Test Voltage	Normal voltage
Test Frequency	5200MHz	Test Result	Pass
Sweep Bandwidth	30MHz-26GHz		



Model 802.11n (HT20)
Test Frequency 5240MHz
Sweep Bandwidth 30MHz-26GHz

Test Voltage
Test Result

Normal voltage
Pass

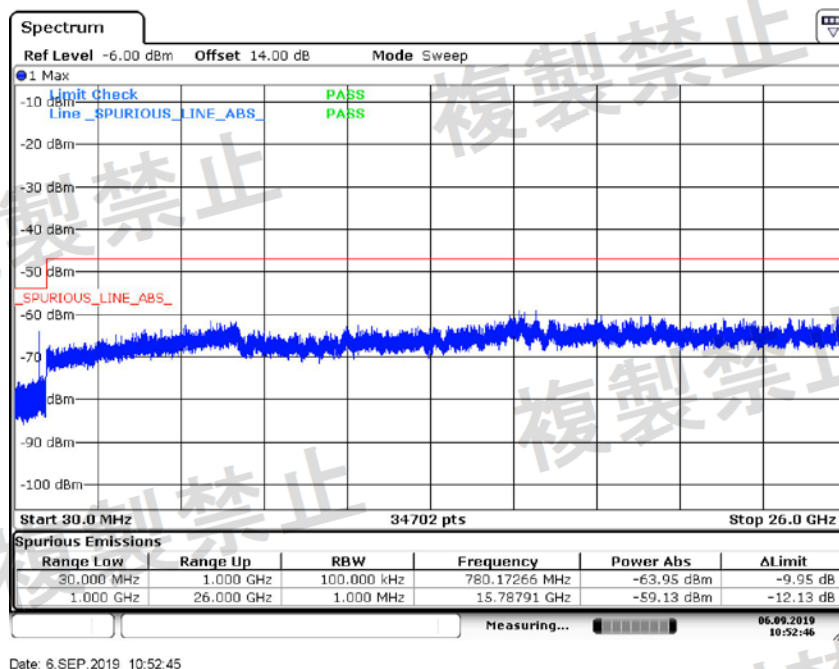


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Model 802.11ac (40 MHz)
Test Frequency 5190MHz
Sweep Bandwidth 30MHz-26GHz

Test Voltage
Test Result

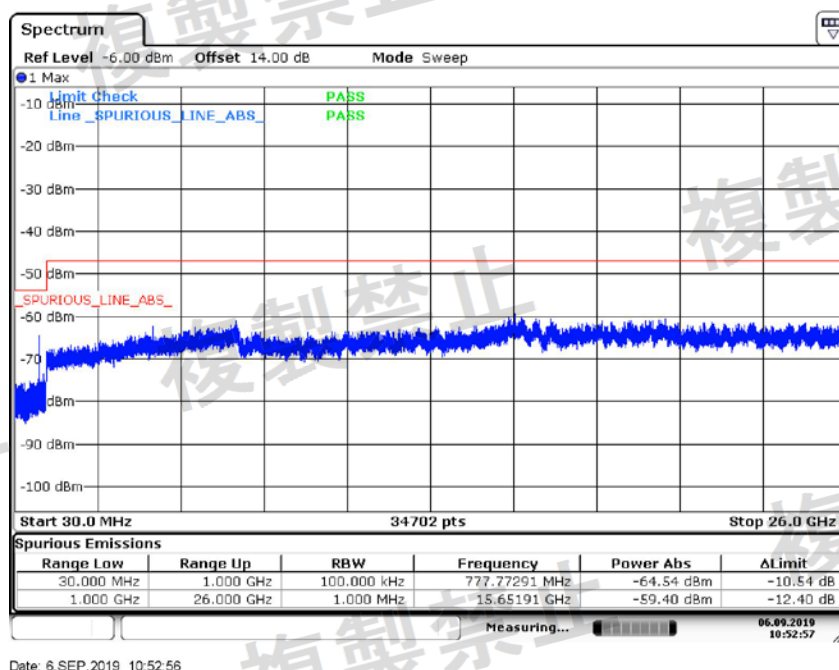
Normal voltage
Pass



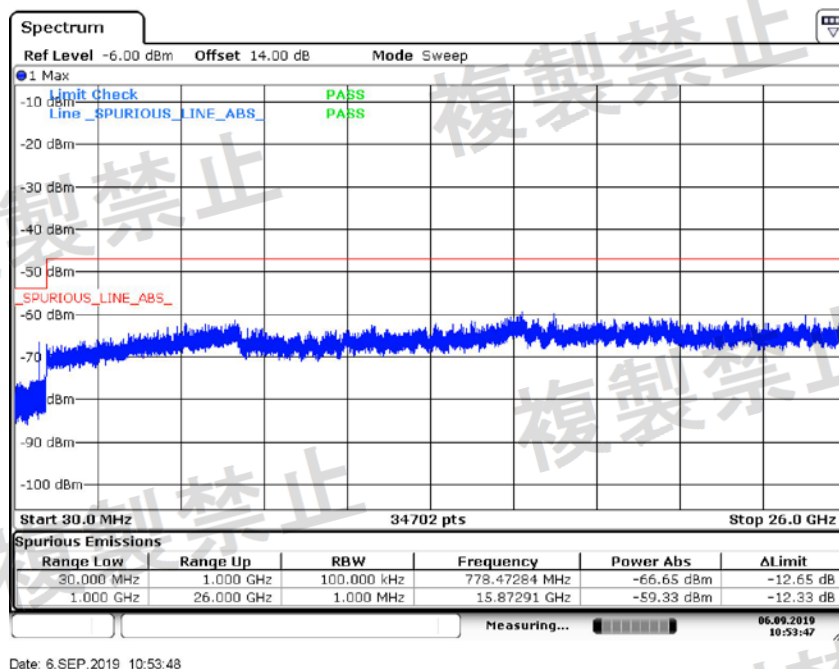
Model 802.11ac (40 MHz)
Test Frequency 5230MHz
Sweep Bandwidth 30MHz-26GHz

Test Voltage
Test Result

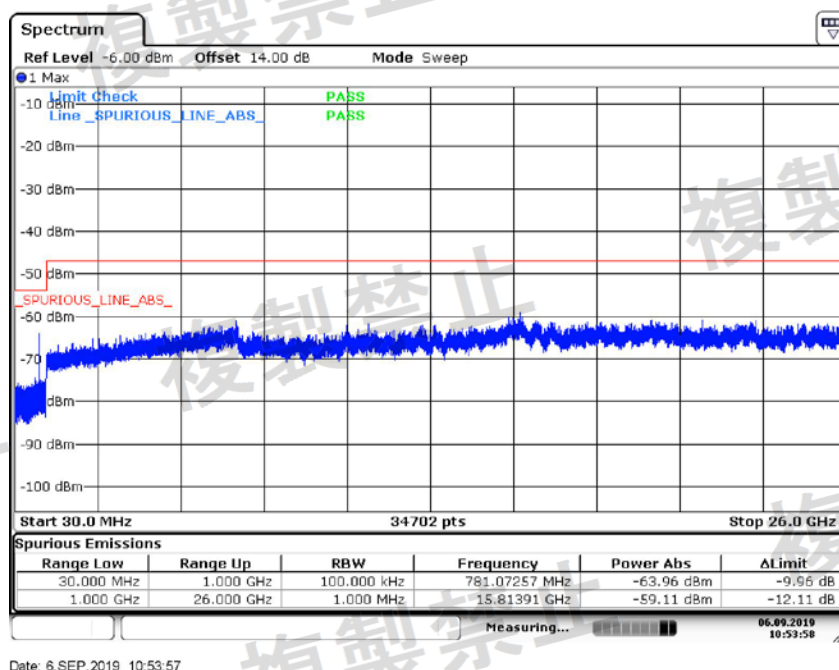
Normal voltage
Pass



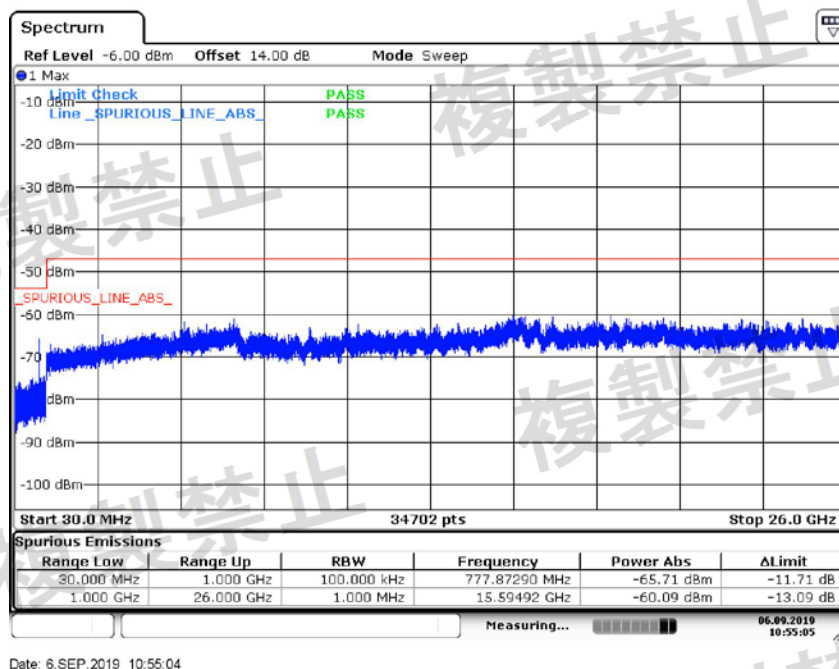
Model	802.11n (HT20)	Test Voltage	Normal voltage
Test Frequency	5190MHz	Test Result	Pass
Sweep Bandwidth	30MHz-26GHz		



Model	802.11n (HT20)	Test Voltage	Normal voltage
Test Frequency	5230MHz	Test Result	Pass
Sweep Bandwidth	30MHz-26GHz		

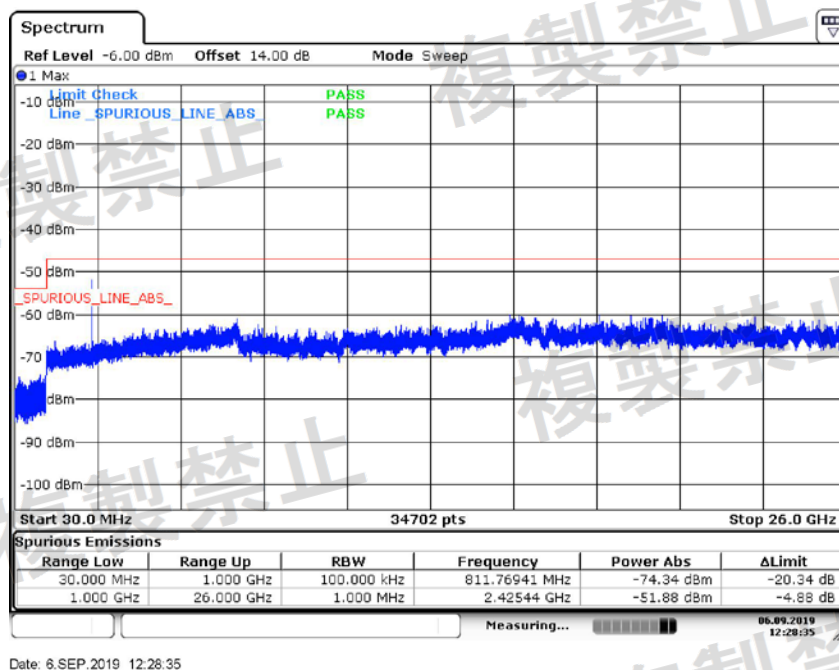


Model	802.11ac (80 MHz)	Test Voltage	Normal voltage
Test Frequency	5210MHz	Test Result	Pass
Sweep Bandwidth	30MHz-26GHz		

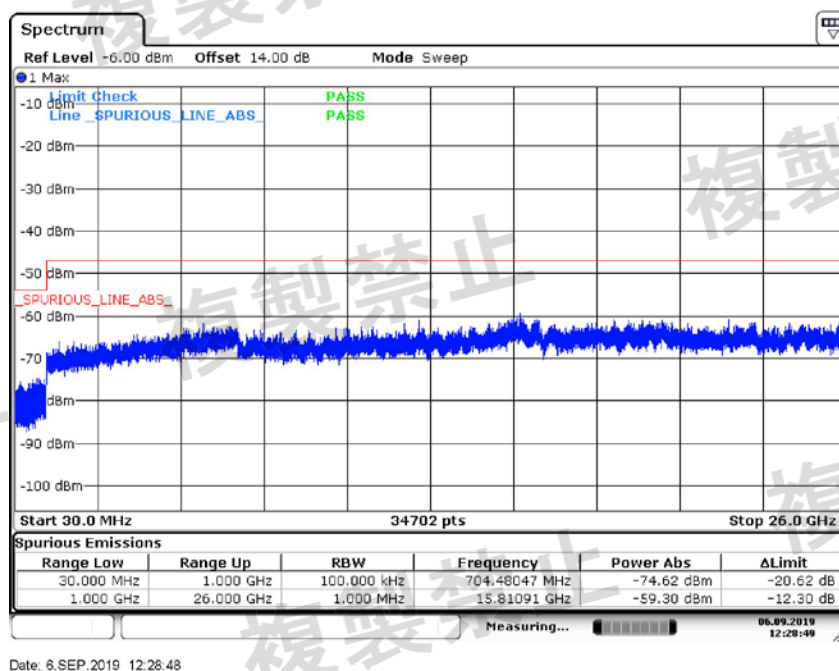


Antenna 2

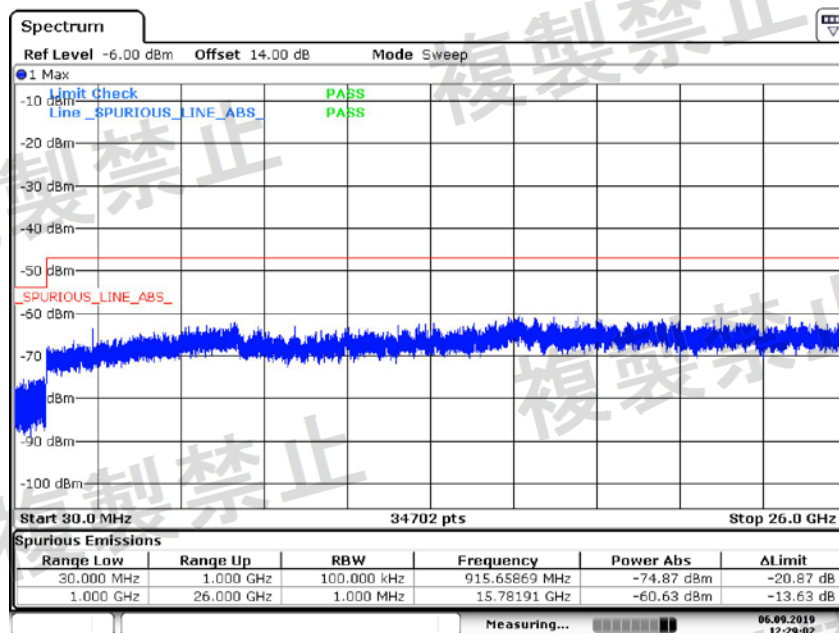
Model	802.11a	Test Voltage	Normal voltage
Test Frequency	5180MHz	Test Result	Pass
Sweep Bandwidth	30MHz-26GHz		



Model	802.11a	Test Voltage	Normal voltage
Test Frequency	5200MHz	Test Result	Pass
Sweep Bandwidth	30MHz-26GHz		



Model	802.11a	Test Voltage	Normal voltage
Test Frequency	5240MHz	Test Result	Pass
Sweep Bandwidth	30MHz-26GHz		

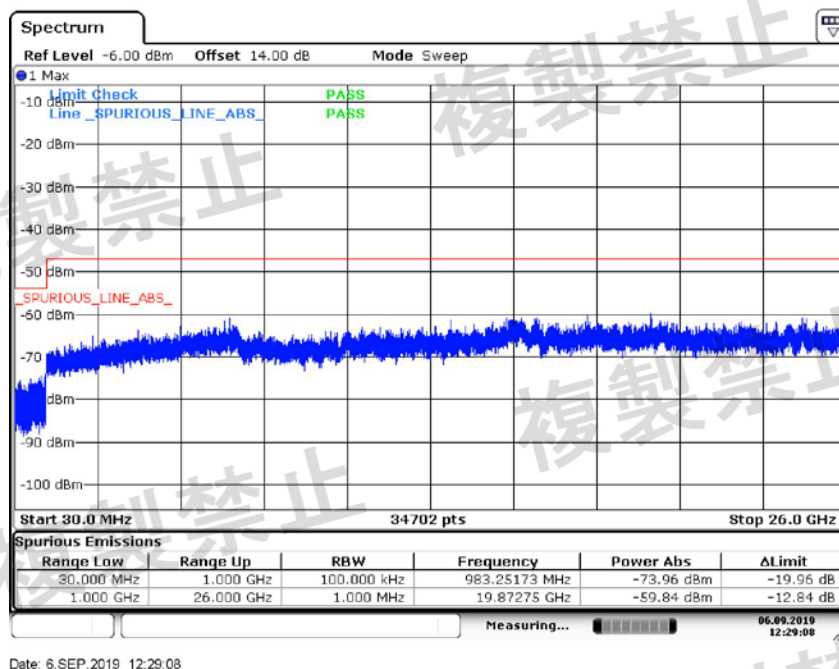


Date: 6.SEP.2019 12:29:02

Model 802.11ac (20 MHz)
Test Frequency 5180MHz
Sweep Bandwidth 30MHz-26GHz

Test Voltage
Test Result

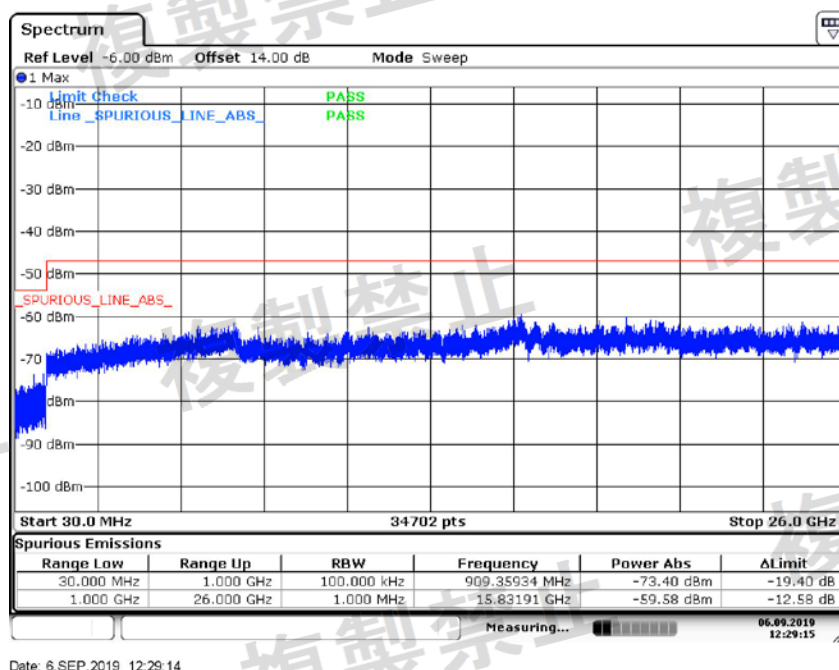
Normal voltage
Pass



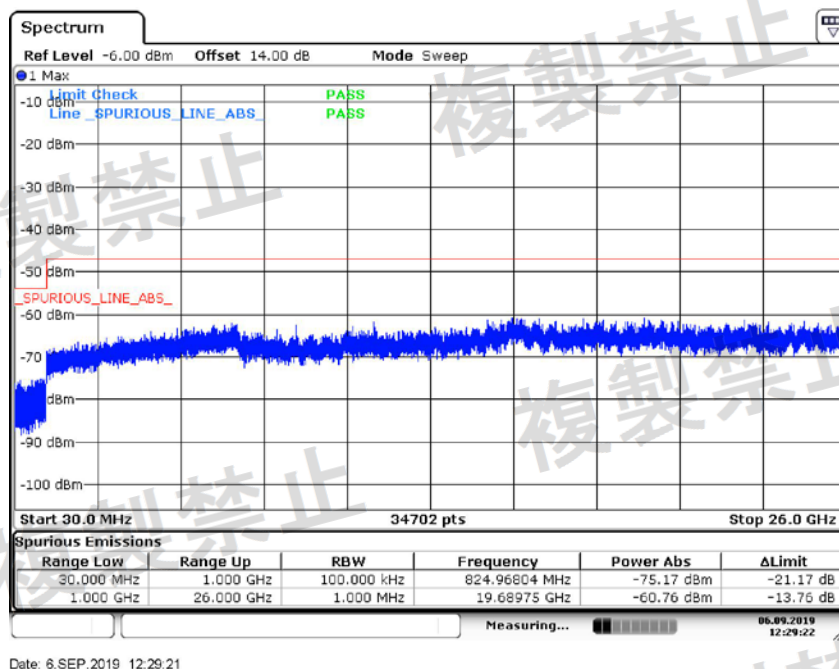
Model 802.11ac (20 MHz)
Test Frequency 5200MHz
Sweep Bandwidth 30MHz-26GHz

Test Voltage
Test Result

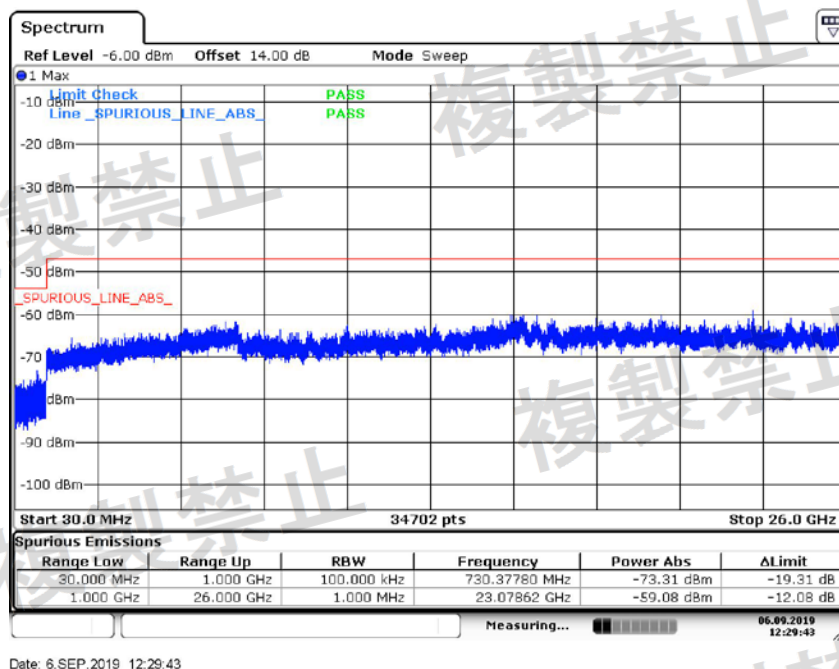
Normal voltage
Pass



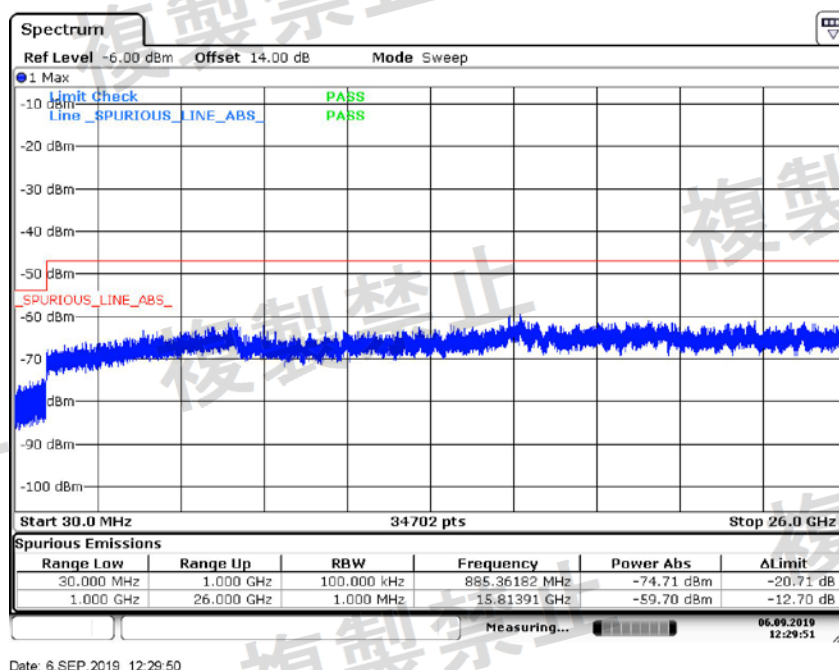
Model	802.11ac (20 MHz)	Test Voltage	Normal voltage
Test Frequency	5240MHz	Test Result	Pass
Sweep Bandwidth	30MHz-26GHz		



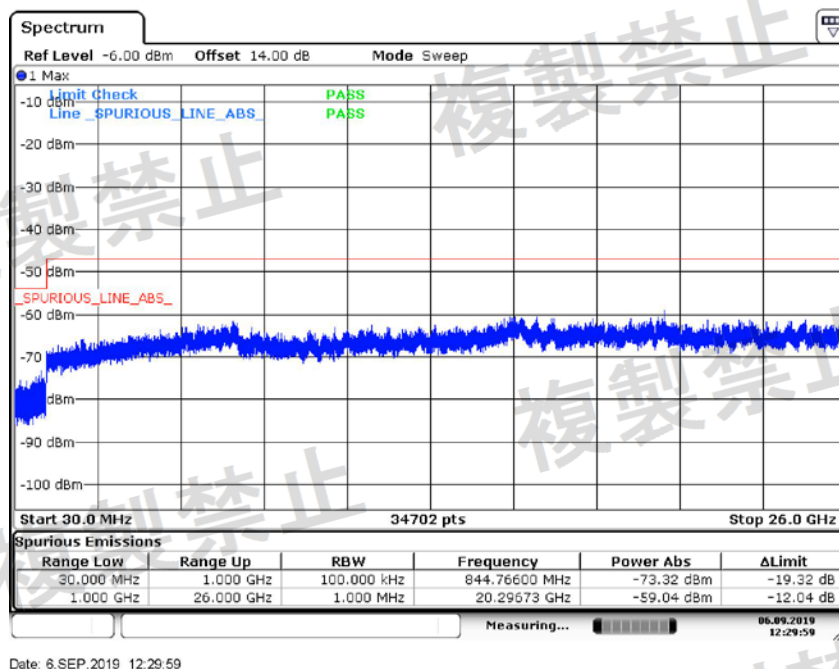
Model	802.11n (HT20)	Test Voltage	Normal voltage
Test Frequency	5180MHz	Test Result	Pass
Sweep Bandwidth	30MHz-26GHz		



Model	802.11n (HT20)	Test Voltage	Normal voltage
Test Frequency	5200MHz	Test Result	Pass
Sweep Bandwidth	30MHz-26GHz		



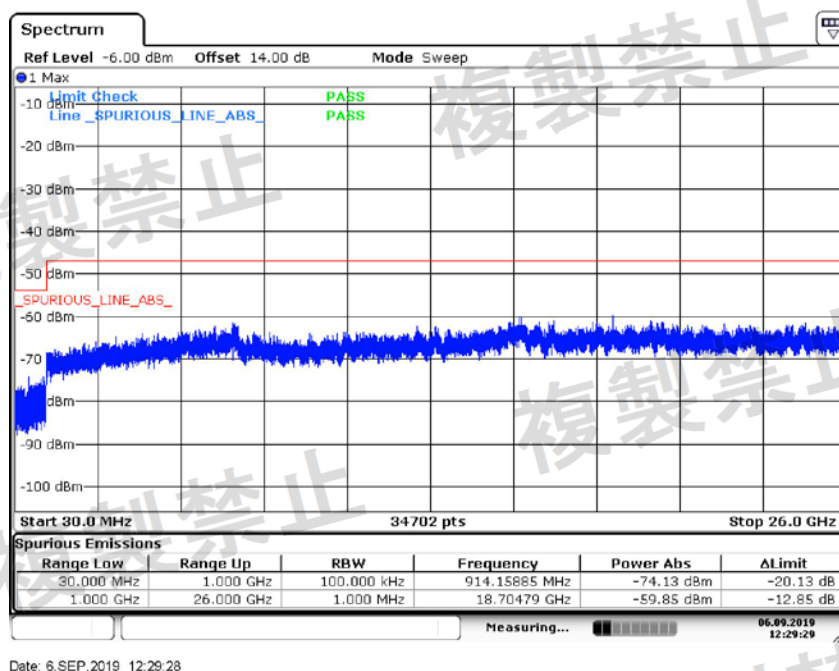
Model	802.11n (HT20)	Test Voltage	Normal voltage
Test Frequency	5240MHz	Test Result	Pass
Sweep Bandwidth	30MHz-26GHz		



Model 802.11ac (40 MHz)
Test Frequency 5190MHz
Sweep Bandwidth 30MHz-26GHz

Test Voltage
Test Result

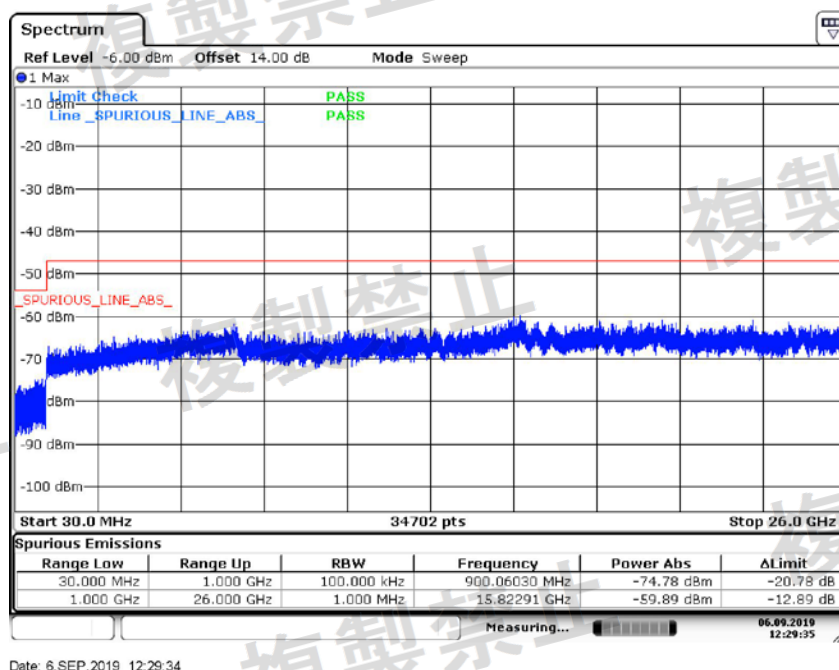
Normal voltage
Pass



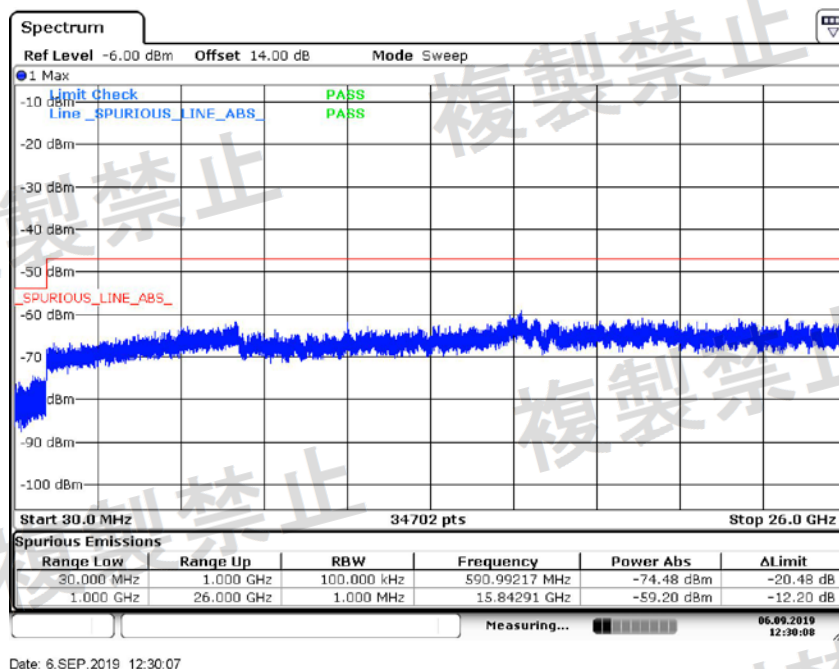
Model 802.11ac (40 MHz)
Test Frequency 5230MHz
Sweep Bandwidth 30MHz-26GHz

Test Voltage
Test Result

Normal voltage
Pass



Model	802.11n (HT20)	Test Voltage	Normal voltage
Test Frequency	5190MHz	Test Result	Pass
Sweep Bandwidth	30MHz-26GHz		



Model	802.11n (HT20)	Test Voltage	Normal voltage
Test Frequency	5230MHz	Test Result	Pass
Sweep Bandwidth	30MHz-26GHz		

