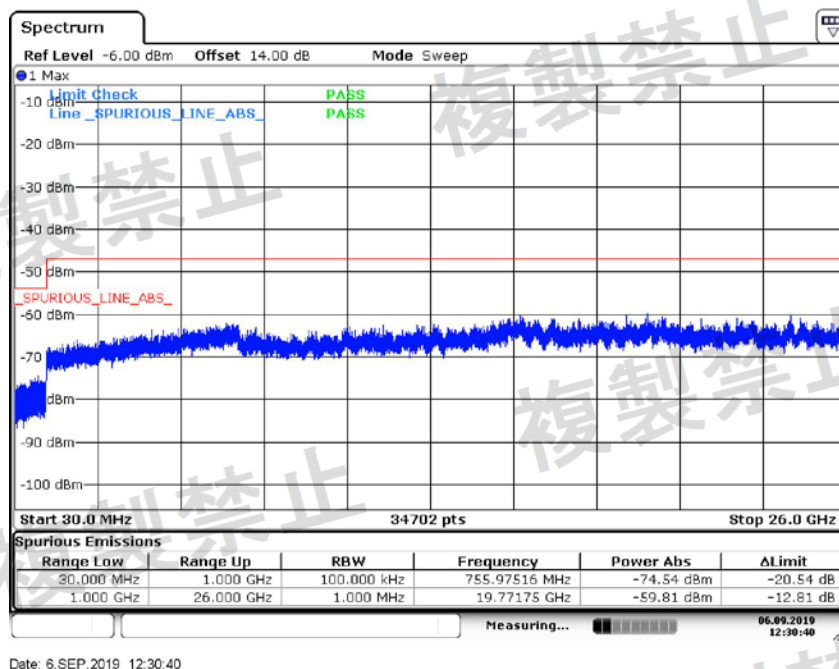


Model	802.11ac (80 MHz)	Test Voltage	Normal voltage
Test Frequency	5210MHz	Test Result	Pass
Sweep Bandwidth	30MHz-26GHz		



15 Transmitting burst length

15.1 Limit

ARIB STD-T71, Clause 3.1.2 (7)

Mode	Limit
802.11a	burst length 4ms or less
802.11n(HT20)	
802.11n(HT40)	
802.11ac(HT20)	
802.11ac(HT40)	
802.11ac(VHT80)	

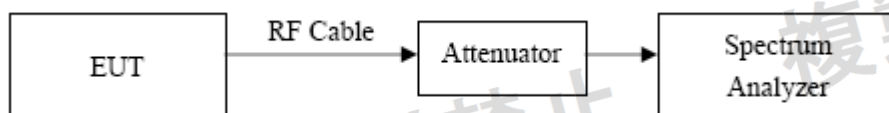
Not: The test result shall be recorded with "Good" or "No".

15.2 Test Procedure

Test Method for Radio Equipment mentioned in Certification Regulations Article 2, Item 19-3-2 MIC Notice No.88 Annex45 Clause 10

15.3 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.

15.4 Environmental Conditions

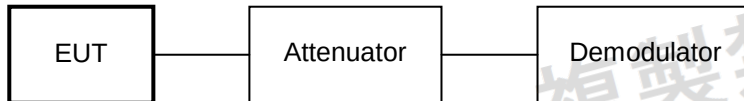
Temperature:	24 °C
Relative Humidity:	54%
ATM Pressure:	1011 mbar

15.5 Test Result

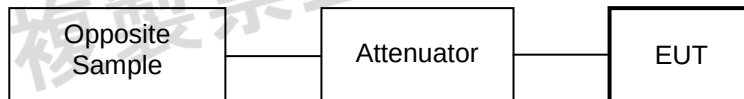
	Normal Voltage	High Voltage	Low Voltage
Result	Pass	Pass	Pass

16 RADIO INTERFACE PREVENTION FUNCTION

16.1 In case identification code is transmitted



16.2 In case identification code is received



16.3 Measuring Equipment Conditions

- The Demodulator shall demodulate the TX-signal transmitted by the EUT and be able to display the contents of the identification code.
- The opposite sample shall be able to transmit TX-signal equivalent to the TX-signal transmitted by the EUT.

16.4 Conditions of EUT

The EUT is set on the usual operating mode.

16.5 Measurement Procedure

- In case the EUT possesses function to transmit identification code automatically
 - Predetermined identification code is transmitted by the EUT.
 - Verify the transmitted identification code.
- In case the EUT possesses function to receive identification code automatically
 - Predetermined identification code is transmitted by the opposite sample.
 - Verify the working of the normal communication.
 - Other code than the predetermined identification code is transmitted by the opposite sample.
 - Verify the EUT to stop transmitting or to display that the ID code is different.

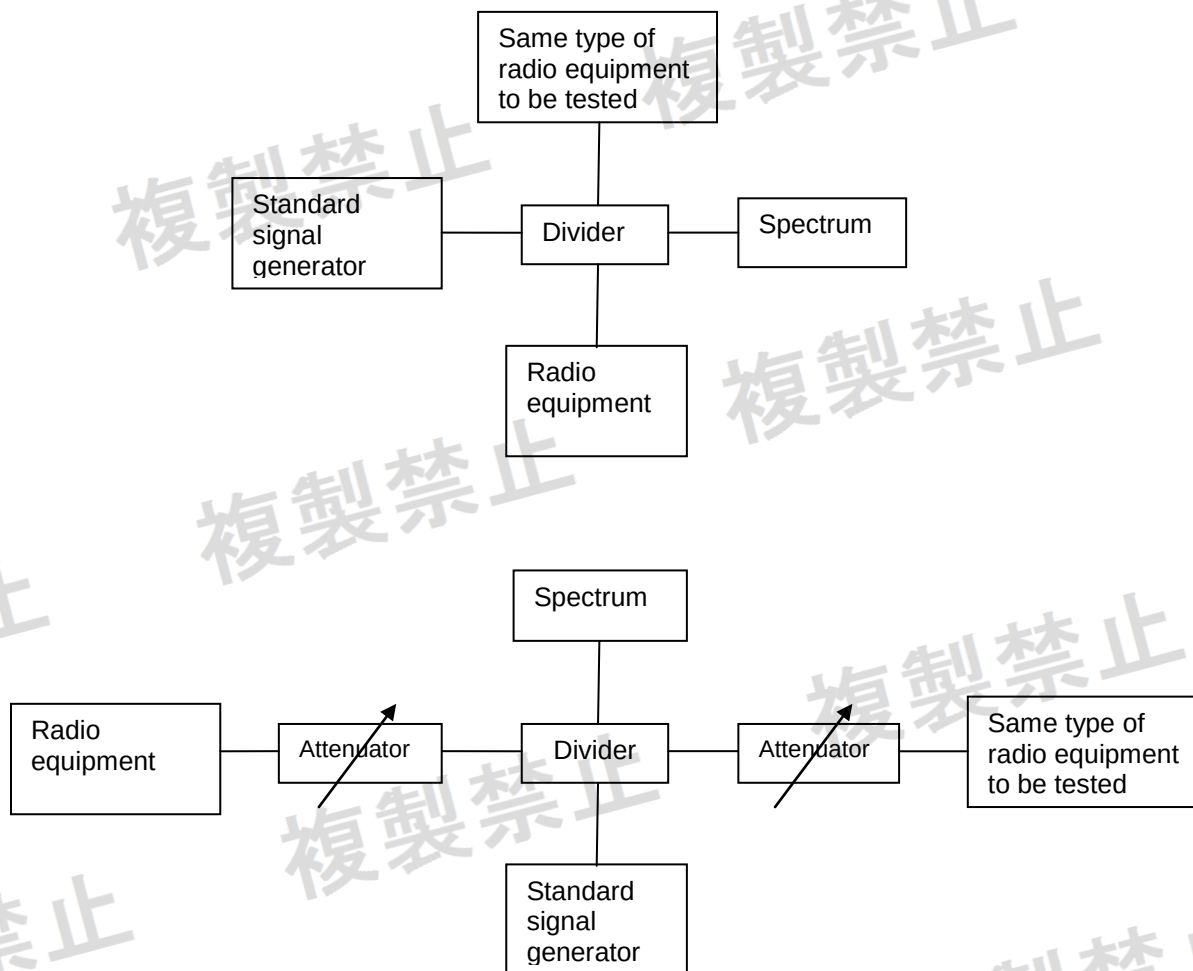
16.6 Environmental Conditions

Temperature:	24 °C
Relative Humidity:	54%
ATM Pressure:	1011 mbar

	Normal Voltage	High Voltage	Low Voltage
Result	Pass	Pass	Pass

17 Carrier sense function

17.1 System diagram



17.2 Conditions of test equipment

- (a) Condition of equipment of same type of radio equipment to be tested is as follows. It shall be able to perform communication with the radio equipment to be tested.
- (b) Standard signal oscillator setting up

Carrier frequency	In the reception frequency band around the frequency of test equipment
Modulation	No modulation
Output level	Antenna input of the test equipment, the value is equivalent to level 100 mV and electric field strength

(c) Spectrum analyzer setting up

Carrier frequency	Center frequency of used frequency band
Sweep bandwidth	50MHz
Resoluble bandwidth	about 1MHz
Video bandwidth	Equivalent to resolvable bandwidth
Y-axis scale	10dB/Div.
Trigger condition	Free run
Detection mode	Positive peak

(d) The external testing device, the device can be connected with the test equipment. However, the device can be replaced with a counter device capable of communicating with the test equipment.

(3) Conditions of radio equipment

Set the radio equipment and the same type to the equipment into communication condition.

(4) The method of test results: Pass or Fail.

17.3 Environmental Conditions

Temperature:	24 °C
Relative Humidity:	54%
ATM Pressure:	1011 mbar

17.4 Test Result

Band	Operation Mode	Frequency (MHz)	SSG Test Level(mV/m)	Result
W52	802.11a	5180	100	Pass
		5200	100	Pass
		5240	100	Pass
	802.11n (HT20)	5180	100	Pass
		5200	100	Pass
		5240	100	Pass
	802.11ac (20 MHz)	5180	100	Pass
		5200	100	Pass
		5240	100	Pass
	802.11n (HT40)	5190	100	Pass
		5230	100	Pass
	802.11ac (40 MHz)	5190	100	Pass
		5230	100	Pass
	802.11ac (80 MHz)	5210	100	Pass

18 Measurement Uncertainty (95% confidence levels)

Item	Uncertainty
Uncertainty for Conduction Spurious emission test	2.10dB
Uncertainty for Output power test	0.83dB
Uncertainty for Power density test	1.85dB
Uncertainty for Frequency range test	±20KHz
Uncertainty for Bandwidth test	±20KHz

19 APPENDIX 1-PHOTOGRAPHS OF TEST SETUP

