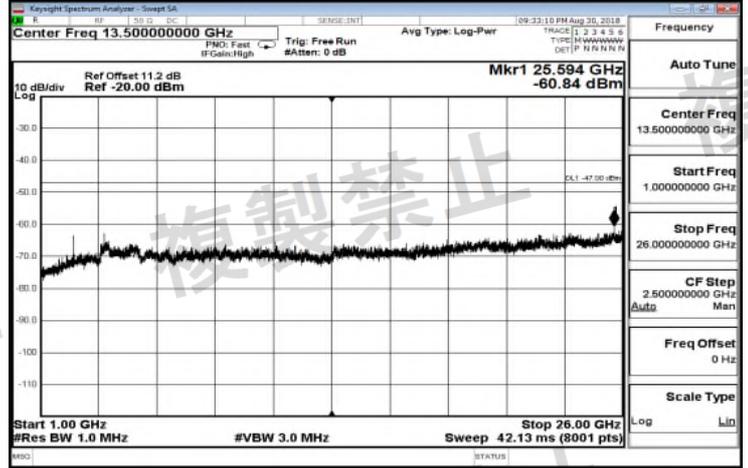
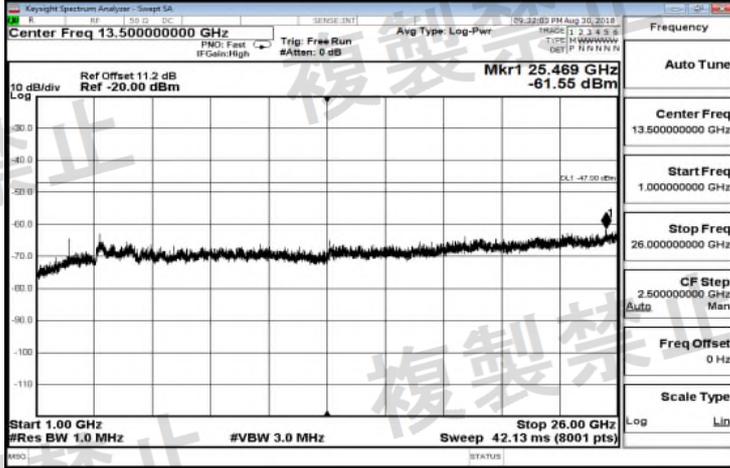


Above

1GHz_802.11ac_W56_80MHz_Main_5530MHz-5530_2

Above

1GHz_802.11ac_W56_80MHz_Main_5610MHz-5610_2



Below

1GHz_802.11ac_W56_80MHz_Main_5610MHz-5610_1

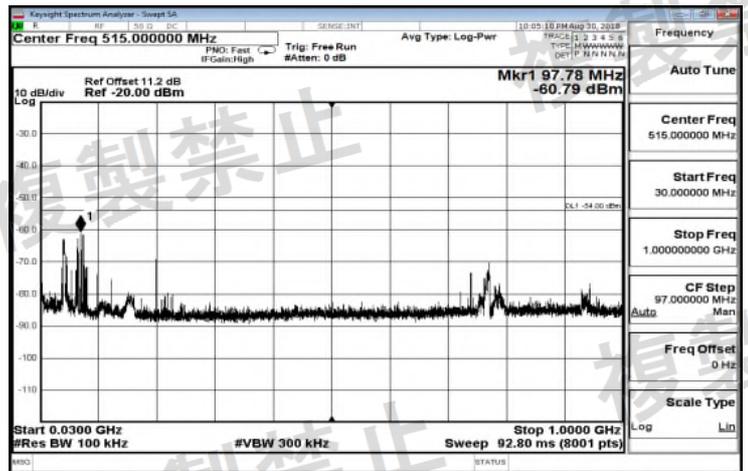
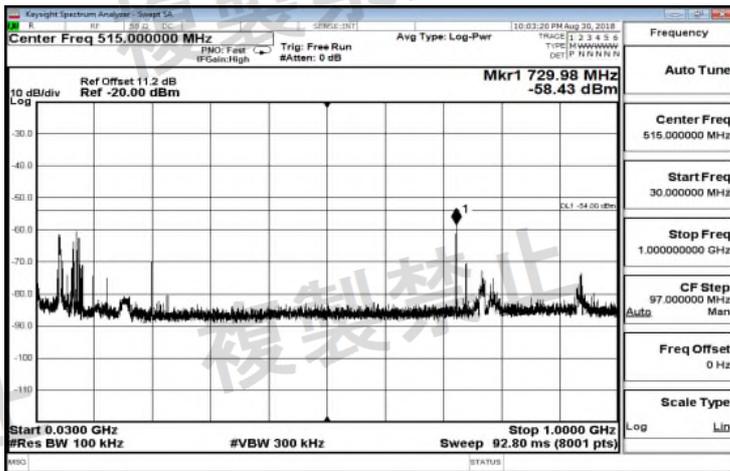
Below

1GHz_802.11ac_W56_80MHz_Aux1_5530MHz-5530_1

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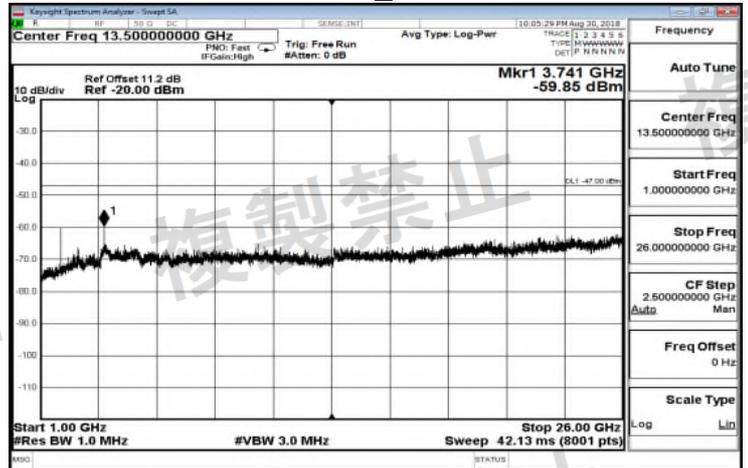
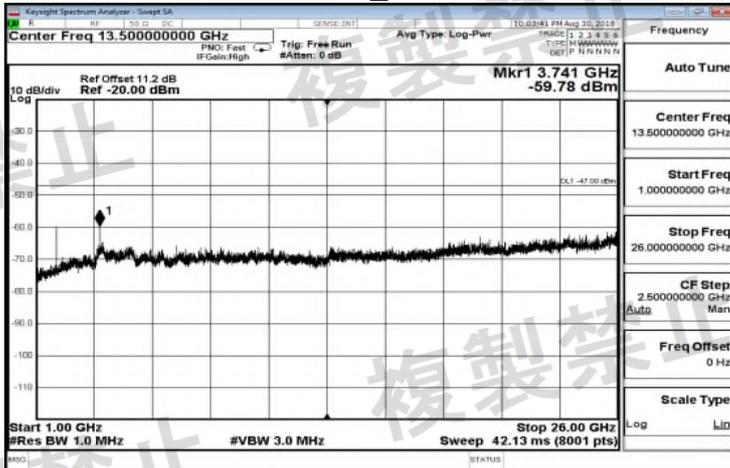


Above

1GHz_802.11ac_W56_80MHz_Aux1_5530MHz-55
30_2

Above

1GHz_802.11ac_W56_80MHz_Aux1_5610MHz-56
10_2



Below

1GHz_802.11ac_W56_80MHz_Aux1_5610MHz-56
10_1

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11 TRANSMITTER BURST LENGTH

11.1 Limit:

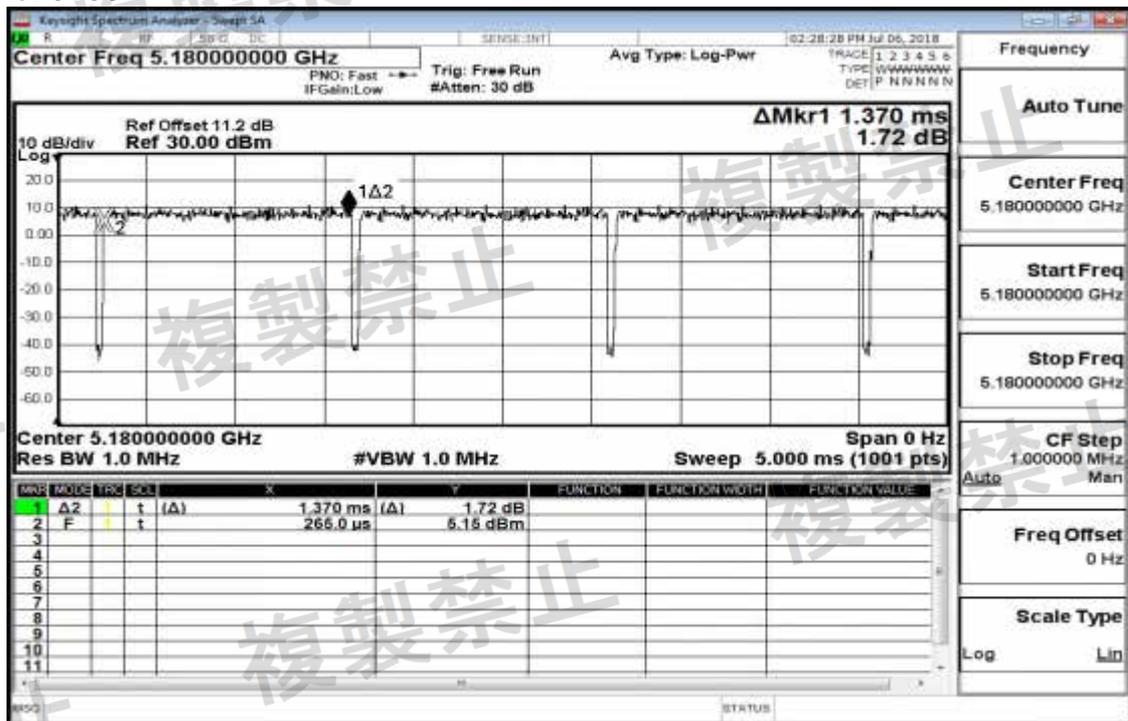
Less than 4ms

11.2 Test Procedure:

1. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer..
2. Set center frequency of spectrum analyzer = operating frequency.
3. Set the spectrum analyzer as RBW,VBW=1M, Span = 0Hz , Adjust Sweep = 2ms.
4. EUT link to master devise or slave devise set it in normal mode
5. used spectrum analyzer trigger function and delta mark function

11.3 Test Results:

Channel 5180



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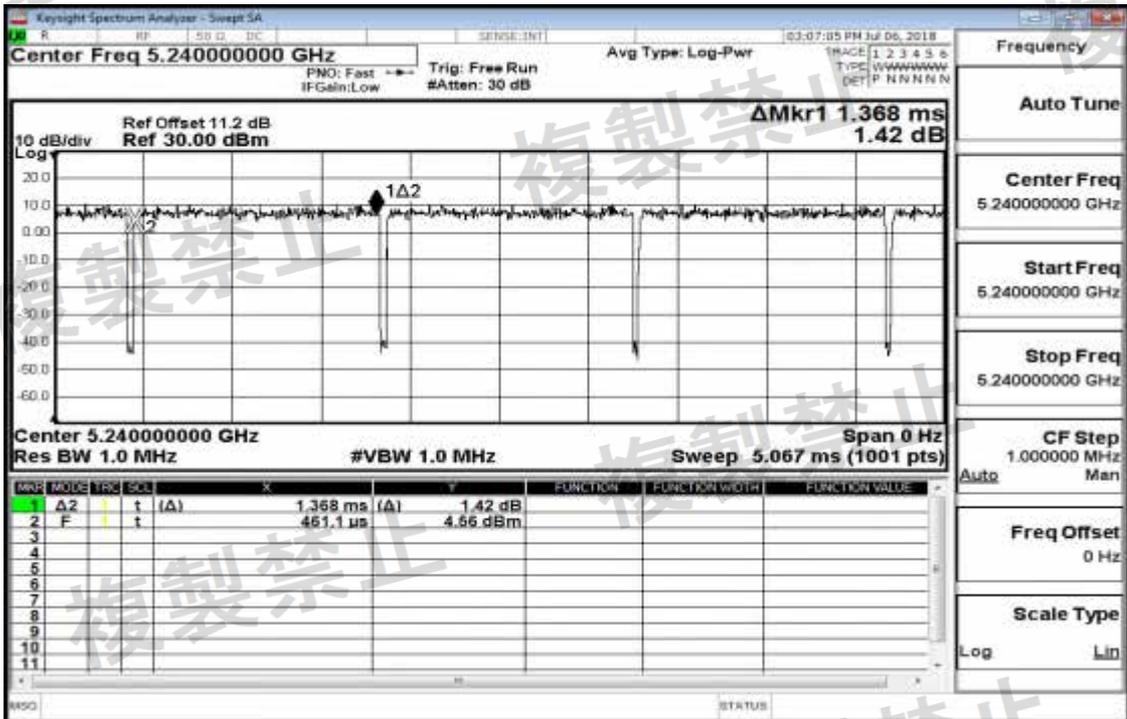
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Channel 5240



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12 CARRIER SENSE CAPABILITY

12.1 Limit:

Shall not transmit when received signal level is above 100 mV
Automatic cessation of transmitting is required when the electric field strength is exceeding E (mV/m):

$$\text{Antenna Voltage (in dBm)} = 22.79 + \text{max. antenna Gain} - 20 \times \text{Log } f \text{ (} f \text{ in MHz)}$$

This voltage will be generated in the direction of the max. Gain.

W52+53

Frequency 5210 MHz

$$\text{Pcs} = 22.79 + (1.97) - 20 \log 5210 = -49.58 \text{ dBm}$$

Frequency 5290 MHz

$$\text{Pcs} = 22.79 + (1.97) - 20 \log 5290 = -49.71 \text{ dBm}$$

W56

Frequency 5530 MHz

$$\text{Pcs} = 22.79 + (2.51) - 20 \log 5530 = -49.55 \text{ dBm}$$

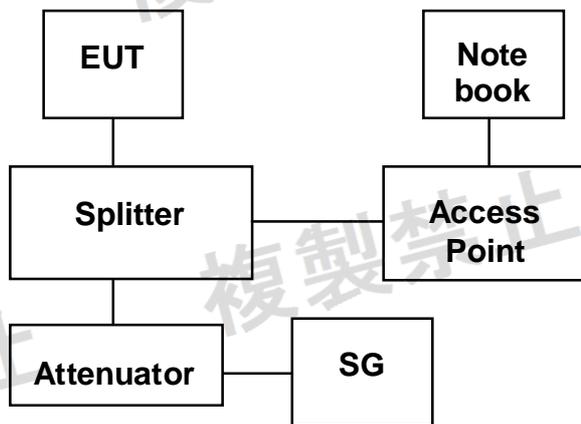
Frequency 5610 MHz

$$\text{Pcs} = 22.79 + (2.51) - 20 \log 5610 = -49.68 \text{ dBm}$$

12.2 Measurement Equipment Used:

Refer to section 4 for detail.

12.3 Test Setup:



12.4 Test Procedure:

1. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port through splitter to spectrum
2. Set center frequency of spectrum analyzer = operating frequency.
4. EUT link to device set it in normal mode
5. used spectrum analyzer trigger function and delta mark function

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12.5 Test Results:

Test Results:

Antenna Gain (W52&53): 1.97 dBi
Antenna Gain (W56): 2.51 dBi

802.11ac_80M W52

Channel	Limit (dBm)	Result (dBm)	Margin (dBm)	Judgment
5210	-49.58	-55	-5.42	PASS

802.11ac_80M W53

Channel	Limit (dBm)	Result (dBm)	Margin (dBm)	Judgment
5290	-49.71	-58	-8.29	PASS

802.11ac_80M W56

Channel	Limit (dBm)	Result (dBm)	Margin (dBm)	Judgment
5530	-49.55	-57	-7.45	PASS
5610	-49.68	-56	-6.32	PASS

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PHOTOGRAPHS OF SET UP

Test Setup WLAN



Carrier Sense Test Setup



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PHOTOGRAPHS OF EUT

Please refer to the attached file(EUT Photo)

~ End of Report ~

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