





Report No.: WSCT-ANAB-R&E250300017A-Wi-Fi2 Issued Date: 22 May 2025



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深圳世标检测认证股份有限公司

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TESTING LABORATORY

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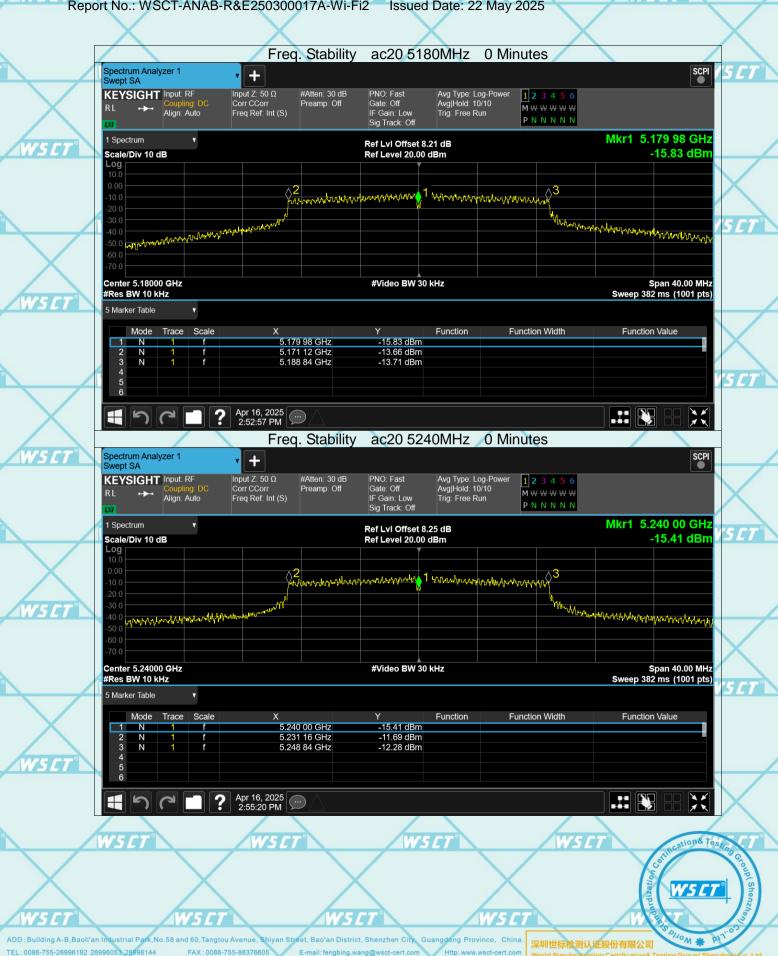
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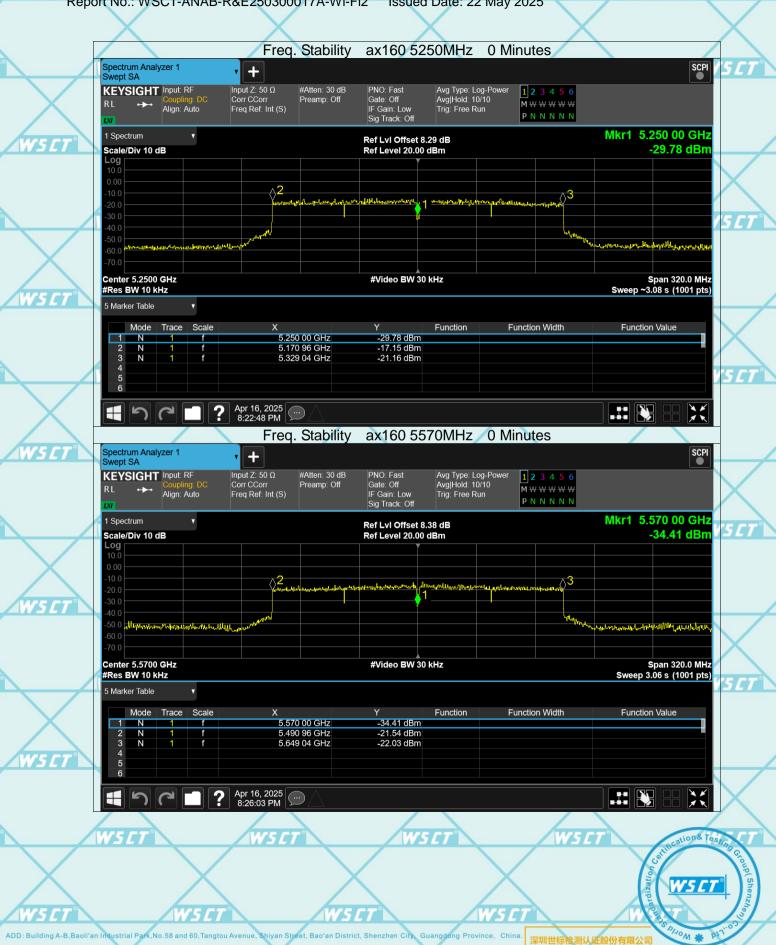
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# 7.9 BAND EDGE EMISSIONS 7.9.1 TEST EQUIPMENT

Please refer to Section 4 this report.

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#### 7.9.2 TEST PROCEDURE

Test Method: a.)The

a.) The EUT was tested according to ANSI C63.10.

- b)The EUT, peripherals were put on the turntable which table size is 1m x 1.5 m, table high 1.5 m. All set up is according to ANSI C63.10.
- c)The frequency spectrum from 9 kHz to 40 GHz was investigated. All readings from 9 kHz to 150 kHz are quasi-peak values with a resolution bandwidth of 200 Hz. All readings from 150 kHz to 30 MHz are quasi-peak values with a resolution bandwidth of 9 KHz. All readings from 30 MHz to 1 GHz are quasi-peak values with a resolution bandwidth of 120

KHz. All readings are above <u>1</u> GHz, peak values with a resolution bandwidth of <u>1</u> MHz. Measurements were made at <u>3</u> meters.
d)The emissions from the EUT were measured continuously at every azimuth by rotating the furntable. The Receiving attemps high is varied from 1 m to 4 m high to find the maximum.

- turntable. The Receiving antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency. Emissions below 30MHz were measured with a loop antenna while emission above 30MHz were measured using a broadband E-field antenna.
- e) Maximizing procedure was performed on the six (6) highest emissions to ensure EUT compliance is with all installation combinations. All data was recorded in the peak detection mode. Quasi-peak readings was performed only when an emission was found to be marginal (within -4 dB of specification limit), and are distinguished with a "QP" in the data table.

f)Each emission was to be maximized by changing the polarization of receiving antenna both

horizontal and vertical. In order to find out the max. emission, the relative positions of this transmitter(EUT) was rotated through three orthogonal axes according to the requirements in

Section 8 and 13 of ANSI C63.10.

**Band Edge Emissions Measurement:** 

Test Equipment Setting:

a)Attenuation: Auto b)Span Frequency: 100 MHz

c)RBW/VBW (Emission in restricted band):

1MHz / 3MHz for Peak,

1MHz / 1/T for Average

d)RBW/VBW(Emission in non-restricted band) 1MHz / 3MHz for peak

TWI 12 / SIVII 12 TOT PEAK

### 7.9.3 TEST SETUP

Same as section 3.4 of this report

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#### 7.9.4 CONFIGURATION OF THE EUT

Same as section 3.4 of this report

7.9.5 EUT OPERATING CONDITION

Same as section 3.4 of this report.

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## 7.9.6 LIMIT

	7.9.6 LIMIT					
		ed Emission & Band Ed			W 5 / 7	W5 CT
	Limit:	GHz band shall not exc			ns outside of the 5.15-5.35	
X		For transmitters operati			sions outside of the	
		5.47-5.725 GHz band s				
4					ons within the frequency	
W5 C1					dge shall not exceed an	
					e or below the band edge,	
	X	emissions shall not exce	eed an e.i.r.p. of -27	7 dBm/MHz.		X
(a)					the radio frequency power	A comment of the comm
	W5 CT	that is produced by mod				W5CT°
					below that in any 100 KHz	
					esired power or shall not	1
		exceed the general leve	is specified in section	on 15.209(a), which le	esser attenuation.	
		All other emissions insid	le restricted hands s	specified in section 15	i.205(a) shall not exceed	
W5 C1		the general radiated em	ission limits specifie	ed in section 15.209(a	)	
	Note:	the general radiated on	iodioii iiiiiiio opodiiio	/		
		ics/spurious emissions th	at fall in the restricte	ed bands listed in sec	tion 15.205. The maximum	
	permitted average	field strength is listed in	section 15.209.			
					ent instrument employing	
	an average detect	or. The provisions in sect	ion 15.35 for limiting	peak emissions app	y. WSCT°	W5CT°
		X			×	
				/ \		
WSCI		W5CT	WSCT	W5C	7° W5	
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_	W5 ET	17214		NS ET	WF144	W5CT*
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X		X	X	X	$\sim$	
W5 C1		W5CT	WSCT	W5 C	7° W5	
	W5CT <sup>®</sup>	W5 CT		NS CT	W5 CT°	WS CT Shear the Country of the Park of the
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	X	FAA. 0000-755-80370005 E	mail: fengbing.wang@wsct-cert.c	_	World Standardization Certification& Test	ting Group(Shenzhen) Co.,Ltd
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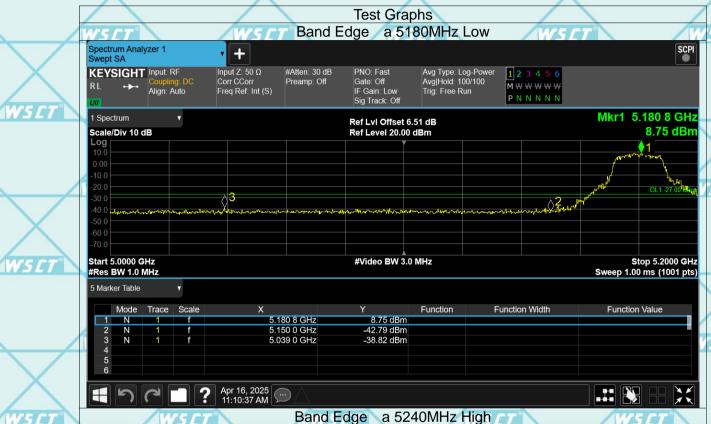


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#### 7.9.7 TEST RESULT

**Band Edge and Fundamental Emissions** 

	Product:	EUT-Sample	Test Mode:	20MHzIEEE 802.11a/n/ac
	Test Item:	Band Edge and Fundamental Emissions	Temperature:	25 °C
	Test	DC 3.91V	Humidity:	56%RH
Z	Voltage:	WSCT" WSC	7°	W5CT W5C
	Test Result:	PASS		















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