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W5C1

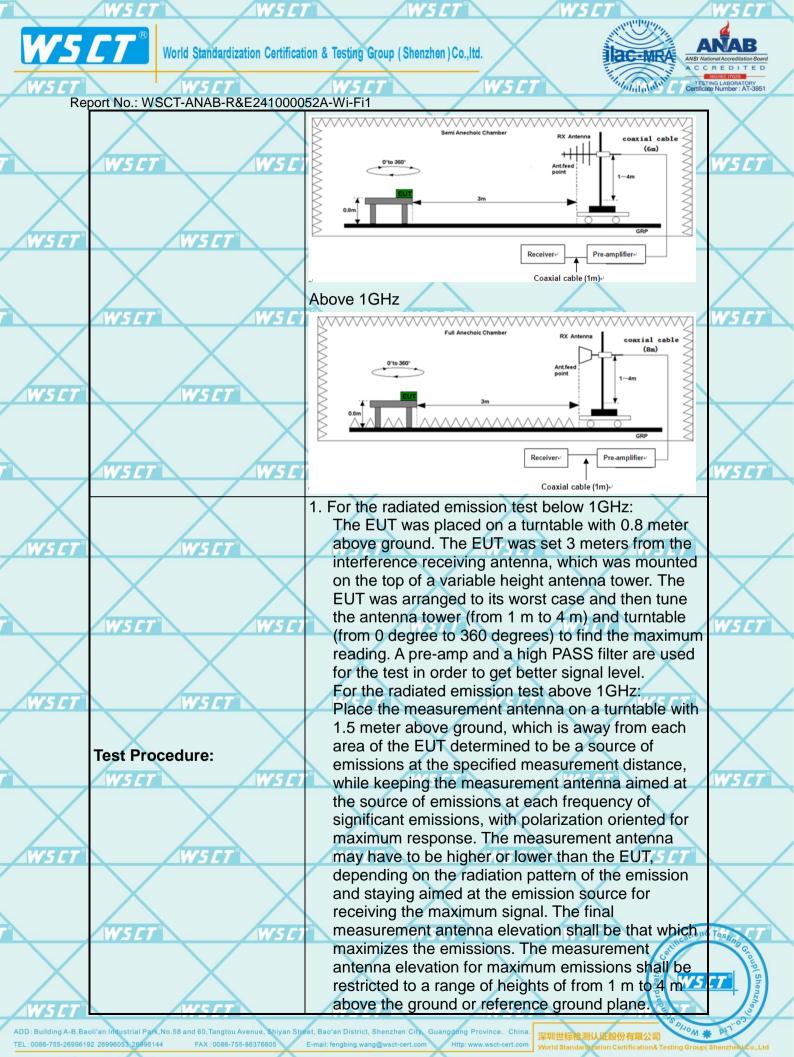
Report No.: WSCT-ANAB-R&E241000052A-Wi-Fi1

## 6.6. Radiated Spurious Emission Measurement

WSCI

6.6.1. Test Specification

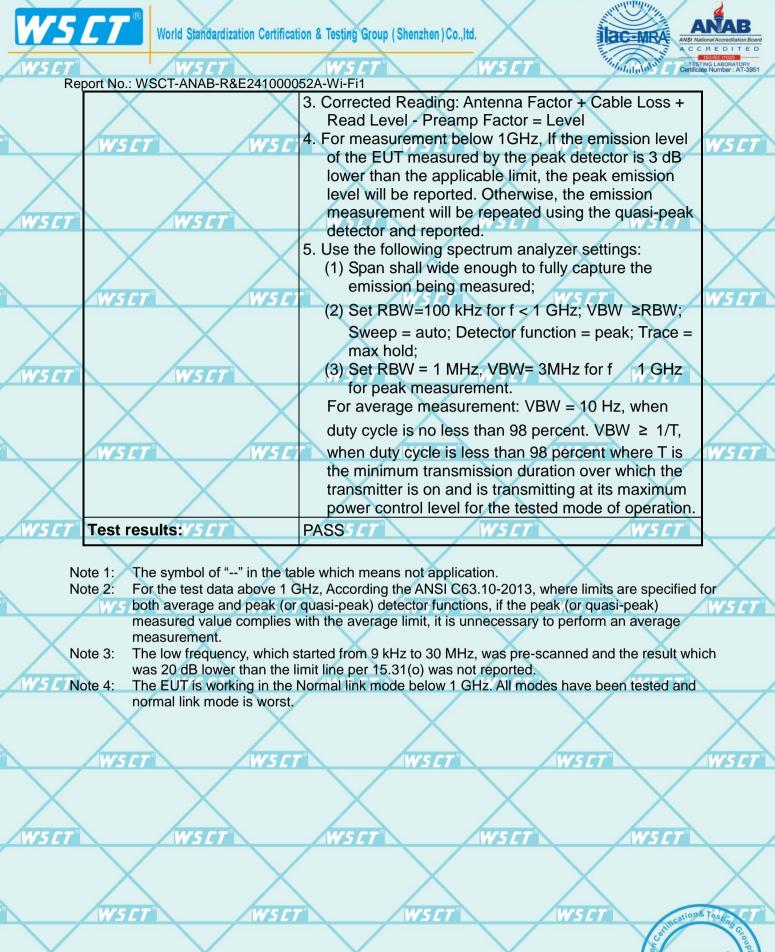
6.	.6.1. Test Specification							
	Test Requirement:	FCC Part15	C Sectior	า 15.209		/		
WSET	Test Method: 527	ANSI C63.10	): 2014	WSET		W	SCT°	
	Frequency Range:	9 kHz to 25 0	GHz			/		$\bigvee$
	Measurement Distance:	3 m	3 m					
	Antenna Polarization: V5 C1	Horizontal &	Vertical		W5	57°	_/	WSCT
$\sim$	Operation mode:	Transmitting	mode wit	th modulati	ion		$\langle$	
WSET	WSET	Frequency 9kHz- 150kHz	Detector Quasi-pea	RBW k 200Hz	VBW 1kHz	Rema Quasi-peal		
	Receiver Setup:	150kHz- 30MHz	Quasi-pea		30kHz	Quasi-peal		$\overline{}$
		30MHz-1GHz	Quasi-pea		300KHz	Quasi-peal		$\boldsymbol{\wedge}$
•	WSCT WSC	Above 1GHz	Peak Peak	1MHz 1MHz	3MHz 10Hz	Peak Va Average		WSET
X		Frequen	су	Field Stre (microvolts/	ength /meter)	Measurer Distance (n 300	ment neters)	
WSET	WS CT				2400/F(KHz) 24000/F(KHz)		5CT	
		1.705-3 30-88		<u> </u>		30 3		$\sim$
	$\land$	88-216 150						$\wedge$
Limit:		216-960 200 Above 960 500						WSCT
		Above 9						
WSLT	WSET	Frequency		ld Strength ovolts/meter)	Measure Distan (meter	ce Det	tector	
	$\sim$	Above 1GHz		500 5000	3		erage Peak	$\searrow$
	WSET WSET	For radiated emissions below 30MHz						WSET
		Dis	Computer					
		+		$\frown$	Pre-Amplifier			
WSET°	Test setup: WSCT			$\neg$			<i>CT</i> °	
	$X \times X$	0.8m	Turn table					X
	WSCT WSCT		Ground	d Plane	Re	eceiver	incationa	Tesun CT
$\overline{}$		30MHz to 10		$\overline{\mathbf{X}}$		lion	Continue	S. C.
WSET	WSFT	WSPT		WSET		ardiza		up(Shenzhen
ADD: Building A-B,Ba	aoli'an Industrial Park,No.58 and 60,Tangtou Avenue, Shiyan Str			ng Province, China.	深圳世标检测试	人证股份有限公司	ess pisom #	PITOS
TEL: 0086-755-269961 Member of the WSCT Gr	92 26996053 26996144 FAX : 0086-755-86376605 roup (WSCTSA)	E-mail: fengbing.wang@wsct-		p: www.wsct-cert.com		ation Certification& 1	Testing Group(	Shenzhen) Co., Lte
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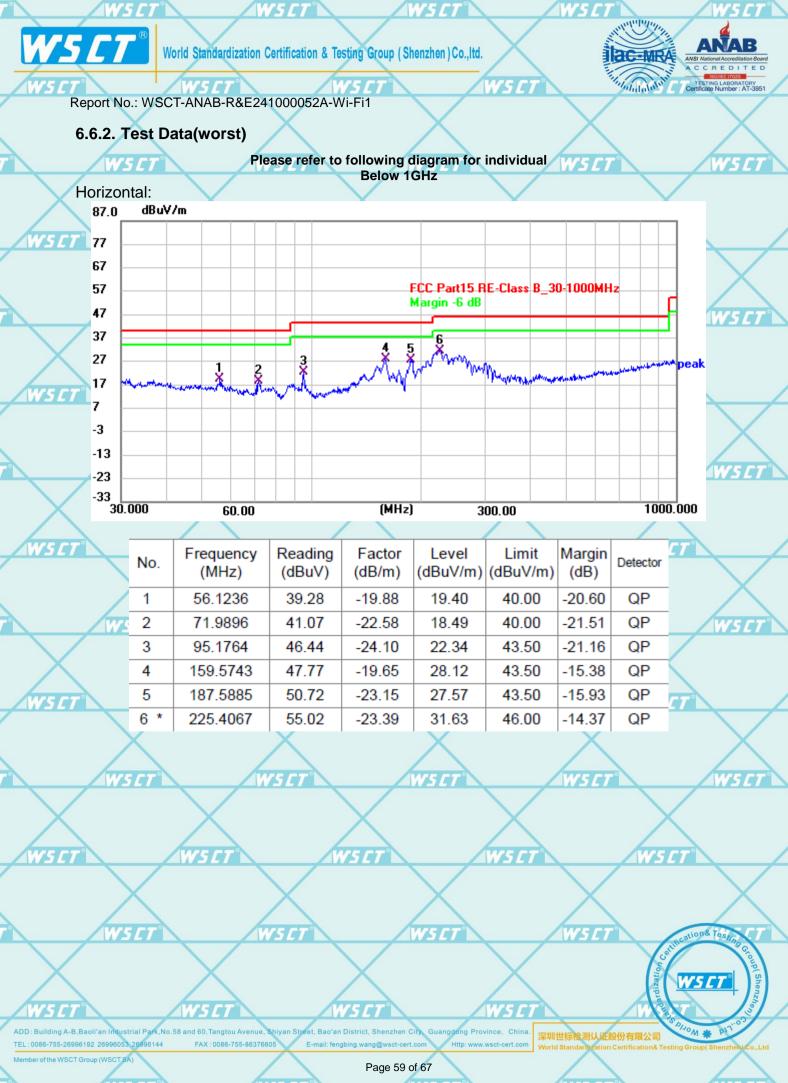


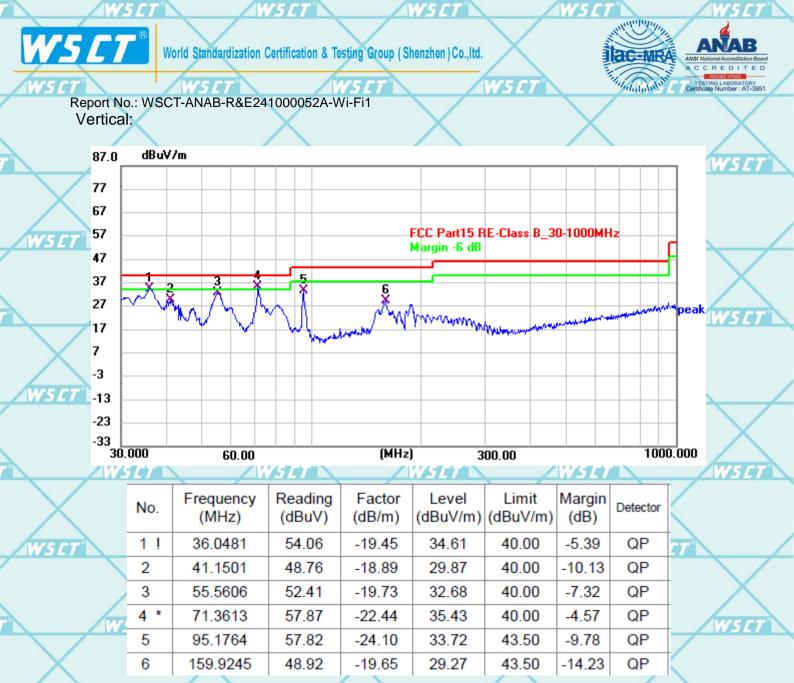


District Shenzhen City, Guar ing A-B.Baoli'an Industrial Park, No.58 ||世标检测认证股份有限公 TEL:0086-755-26996192 26996053 26996144 FAX:0086-755-86376605 E-mail: fengbi

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NSC





#### Note1:

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Freq. = Emission frequency in MHz Reading level  $(dB\mu V)$  = Receiver reading Corr. Factor (dB) = Antenna factor + Cable loss - Amplifier factor. Measurement  $(dB\mu V)$  = Reading level  $(dB\mu V)$  + Corr. Factor (dB)Limit  $(dB\mu V)$  = Limit stated in standard Margin (dB) = Measurement  $(dB\mu V)$  – Limits  $(dB\mu V)$ 

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Trace2

Trace1

Report No.: WSCT-ANAB-R&E241000052A-Wi-Fi1

V Peak

### Above 1GHz

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Note 1: The marked spikes near 2400 MHz with circle should be ignored because they are Fundamental signal.

PK

Limit1

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Limit2

Note 2: The spurious above 18G is noise only, do not show on the report.

Note 3: Report and only recorded the worst-case scenario 802.11b. 1 GHz to 18 GHz, ANT H 802.11b Low Channel

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AV

# Horizontal:

		60
$\backslash$	[(\n	50
X	l[dB(	40
	eve	30
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		10

Fre	alG	Hz]
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$\backslash$	Susputed Data List											
$\underline{\times}$	NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict	
'S []	1	2439.3750	47.08	27.39	19.69	74	-26.92	256.9	Horizontal	PK	Pass	
	1	2439.3750	37.61	27.39	10.22	54	-16.39	256.9	Horizontal	AV	Pass	
	2	3408.7500	49.75	28.45	21.3	74	-24.25	243.8	Horizontal	PK	Pass	
	2	3408.7500	37.02	28.45	8.57	54	-16.98	243.8	Horizontal	AV	Pass	/
	3	5913.1250	56.92	32.66	24.26	74	-17.08	-0.1	Horizontal	PK	Pass	7
	3	5913.1250	46.46	32.66	13.8	54	-7.54	-0.1	Horizontal	AV	Pass	
$\checkmark$	4	10471.5000	43.18	13.83	29.35	74	-30.82	323.2	Horizontal	PK	Pass	
$\wedge$	4	10471.5000	35.15	13.83	21.32	54	-18.85	323.2	Horizontal	AV	Pass	
	5	13914.0000	49.28	18.87	30.41	74	-24.72	302.9	Horizontal	PK	Pass	
'S []	5	13914.0000	41.79	18.87	22.92	54	-12.21	302.9	Horizontal	AV	Pass	
	6	17965.5000	52.92	23.68	29.24	74	-21.08	279	Horizontal	PK	Pass	
	6	17965.5000	46.16	23.68	22.48	54	-7.84	279	Horizontal	AV	Pass	

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	NO.	Freq. [MHz]	Reading [dB(uV)]	Factor [dB]	Level [dB(uV)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict	
	1	2439.3750	50.72	27.39	23.33	74	-23.28	45.1	Vertical	PK	Pass	7
_	1	2439.3750	37.74	27.39	10.35	54	-16.26	45.1	Vertical	AV	Pass	1
/	2	3401.2500	50.46	28.44	22.02	74	-23.54	52.2	Vertical	PK	Pass	
$\langle \rangle$	2	3401.2500	36.47	28.44	8.03	54	-17.53	52.2	Vertical	AV	Pass	
	3	5752.5000	68.47	32.4	36.07	74	-5.53	52.2	Vertical	PK	Pass	
<b>[</b> 7	3	5752.5000	46.93	32.4	14.53	54	-7.07	52.2	Vertical	AV	Pass	
	4	10530.0000	43.7	14.05	29.65	74	-30.3	181	Vertical	PK	Pass	
	4	10530.0000	35.93	14.05	21.88	54	-18.07	181	Vertical	AV	Pass	
	5	14022.0000	49.07	19.1	29.97	74	-24.93	0.5	Vertical	PK	Pass	
	5	14022.0000	42.1	19.1	23	54	-11.9	0.5	Vertical	AV	Pass	-
_	6	17997.0000	54.08	23.91	30.17	74	-19.92	59	Vertical	PK	Pass	Ľ
1	6	17997.0000	46.68	23.91	22.77	54	-7.32	59	Vertical	AV	Pass	
6			X		X			X		7	<	

SC1

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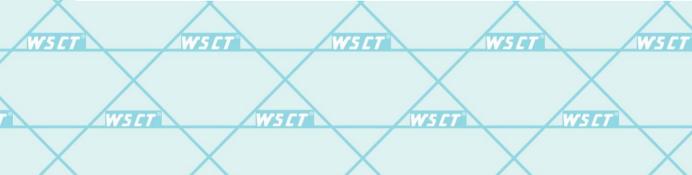
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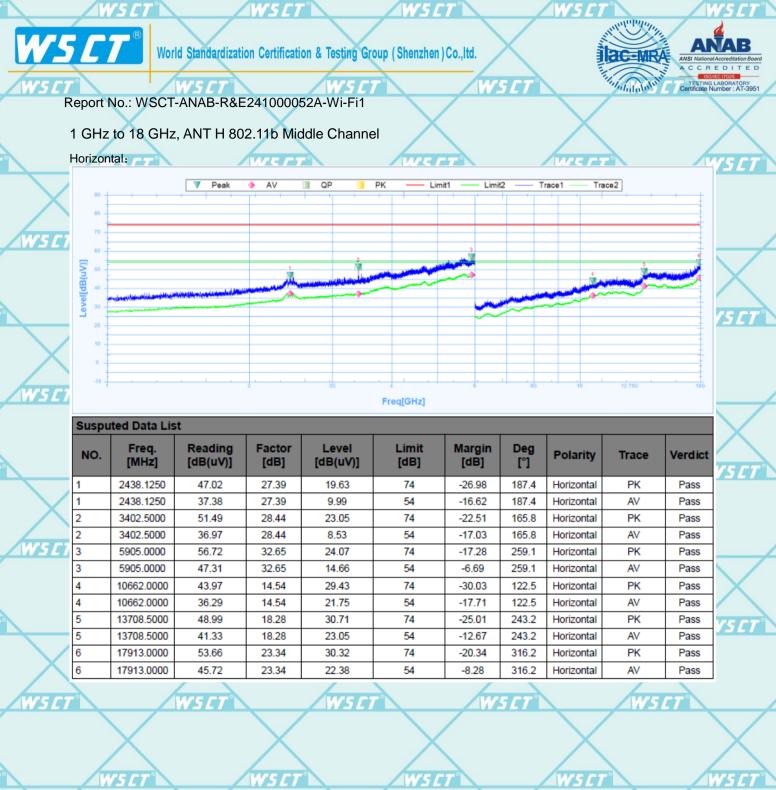
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WSCI

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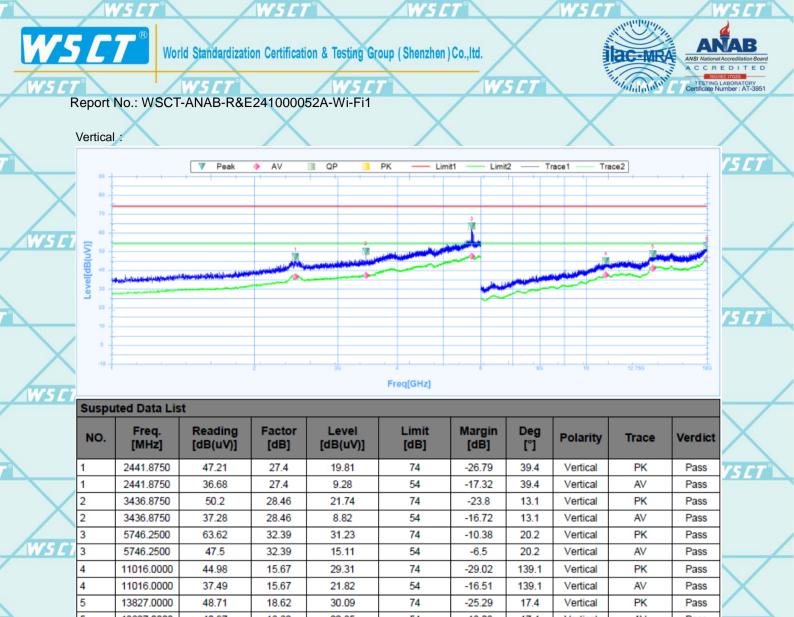
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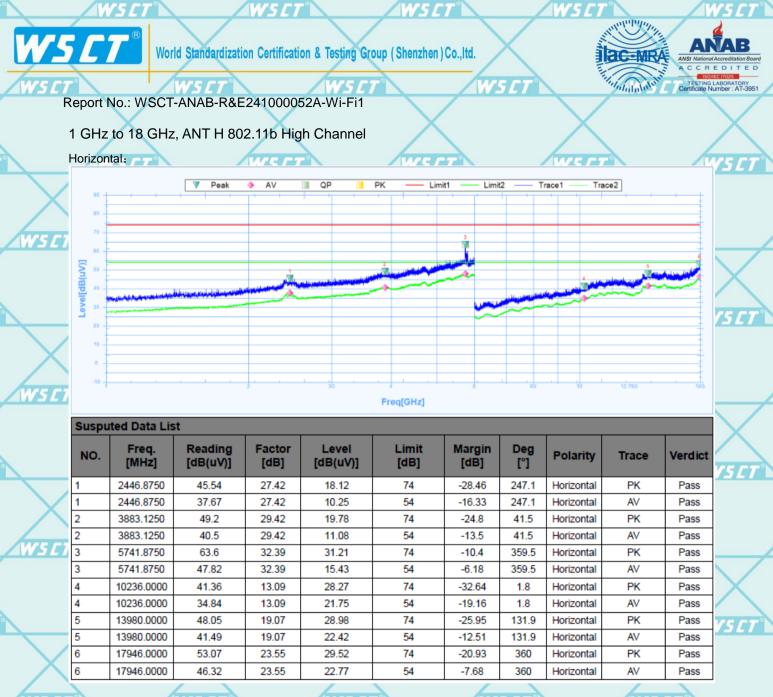
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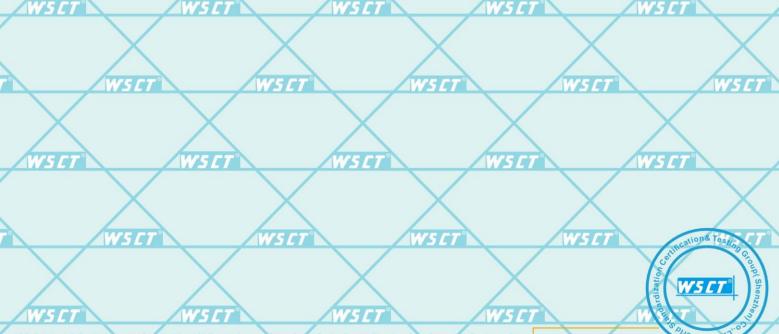
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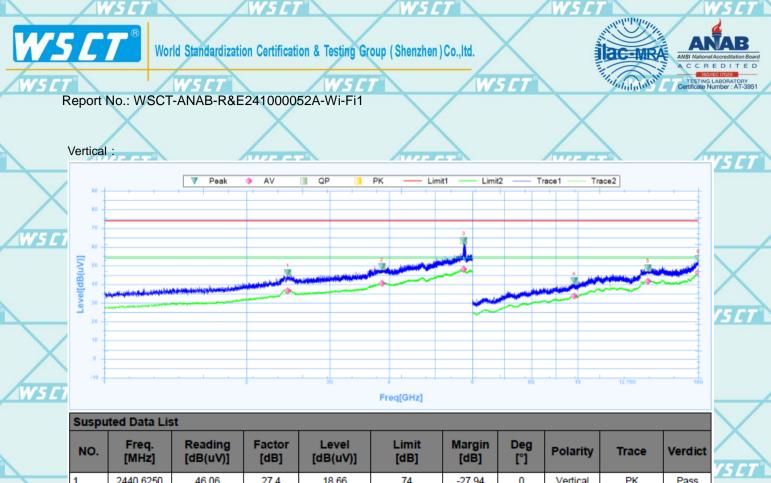


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#### 2440.6250 46.06 27.4 18.66 74 -27.94 PΚ Pass 1 0 Vertical 2440.6250 36.71 27.4 9.31 54 -17.29 0 Vertical AV Pass 1 3860.0000 49.44 29.36 20.08 74 -24.56 347 PΚ 2 Vertical Pass 347 2 3860.0000 40.51 29.36 54 -13.49 AV 11.15 Vertical Pass 3 5750.0000 63.34 32.4 30.94 74 -10.66 0 Vertical PK Pass 3 5750.0000 48.04 32.4 15.64 54 -5.96 0 Vertical AV Pass 29.9 74 -32.1 ΡK 4 9838.5000 41.9 12 269.4 Vertical Pass 4 9838.5000 33.71 12 21.71 54 -20.29 269.4 Vertical AV Pass 74 -25.23 5 14074.5000 48.77 19.05 29.72 72.2 Vertical PK Pass Pass 5 14074.5000 41.73 19.05 22.68 54 -12.27 72.2 Vertical AV 6 17998.5000 53.72 23.92 29.8 74 -20.28 351.1 Vertical PK Pass 17998.5000 46.36 54 6 23.92 22.44 -7.64 351.1 Vertical AV Pass

Note:

- 1. All emissions not reported were more than 20dB below the specified limit or in the noise floor.
- 2. Emission Level= Reading Level+ Probe Factor +Cable Loss.

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3. Data of measurement within this frequency range shown "--" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

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