



**复达检测集团**  
FUDA ANALYTICAL TESTING GROUP



# Test Report

**Sample Name** 7.0 Terahertz blower (FKY00098)

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**Client** Dongguan Kangya Technology Co., Ltd.

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**Report Number** FT-20220504008-En

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**Guangzhou Fuda Testing Technology Research Institute**

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Sample Name	7.0 Terahertz blower (FKY00098)		
Sample Quantity	1	Sample Batch	/
Sample Status	intact	Sample Number	FT220504008
Client	Dongguan Kangya Technology Co., Ltd.		
Communication Information of Client	Address No. 7, Longtian Road, Qinghutou, Tangxia Town, Dongguan City		
Test Category	Commission Test		
Sample Arrival Date	2022.05.09		
Test Cycle	2022.05.09—2022.05.19		
Standards and Methods	Please refer to next page(s).		
Test Results	This report only provides the measured values. See the summary page of test results in this report for details.		
Remarks	/		

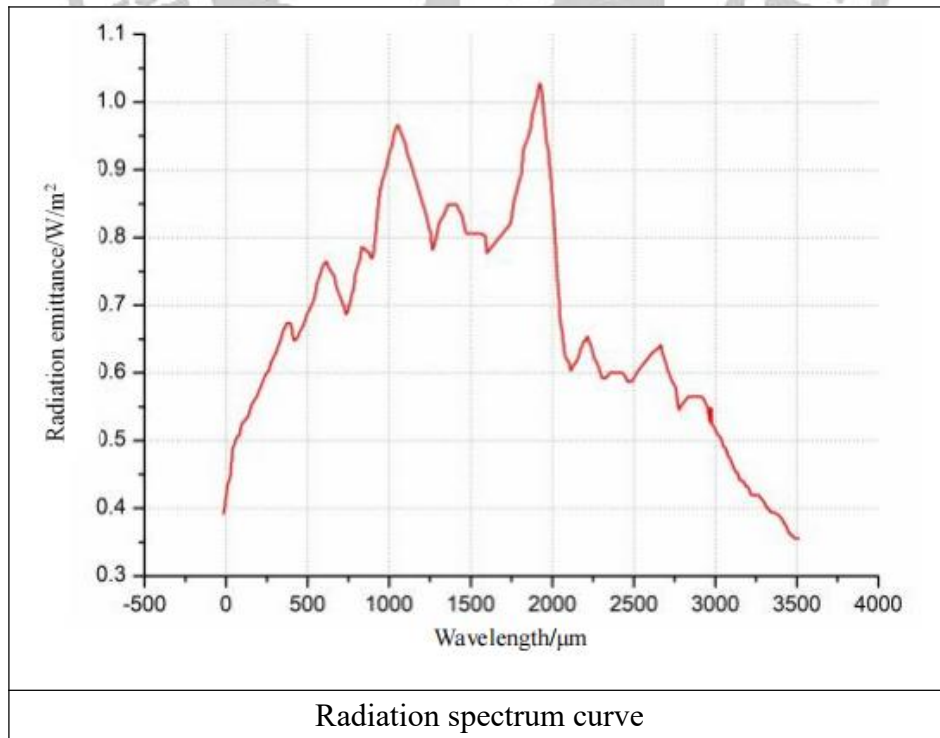
Drafter:     Signer:     Reviewer:     Issued Date:   2022-05-21



### Test Result(s):

Sample name	Test item	Test Result	Unit	Test Method
7.0 Terahertz blower (FKY00098)	Radiation wavelength range (radiation energy spectrum) (peak) 0.75 $\mu$ m-3 $\mu$ m	0.339	W/m <sup>2</sup>	GB/T 7287-2008 B
	Radiation wavelength range (radiation energy spectrum) (peak) 3 $\mu$ m-10 $\mu$ m	0.412	W/m <sup>2</sup>	
	Radiation wavelength range (radiation energy spectrum) (peak) 10 $\mu$ m-30 $\mu$ m	0.530	W/m <sup>2</sup>	
	Terahertz radiation wavelength range (radiation energy spectrum curve) (peak) 30 $\mu$ m-1000 $\mu$ m	0.988	W/m <sup>2</sup>	
	Terahertz radiation wavelength range (radiation energy spectrum curve) (peak) 1000 $\mu$ m-3000 $\mu$ m	1.062	W/m <sup>2</sup>	
	Terahertz radiation wavelength range (radiation energy spectrum curve) (peak) 3000 $\mu$ m-1000 $\mu$ m	0.308	W/m <sup>2</sup>	

Test environmental conditions: temperature 23 $\pm$ 3 $^{\circ}$ C, humidity 55 $\pm$ 5% RH



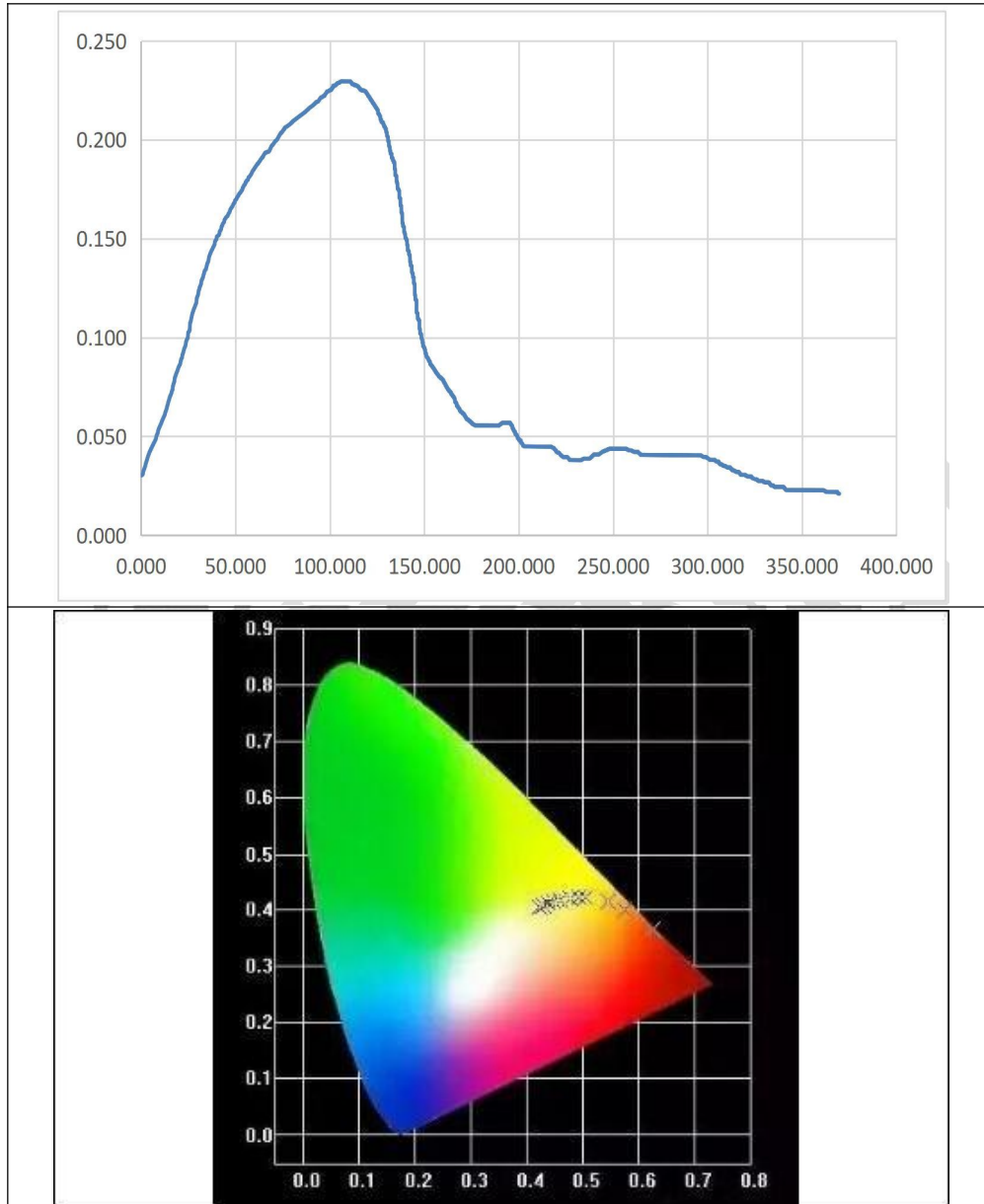
Radiation spectrum curve



**Spectral distribution:**

Laboratory test conditions: temperature  $25 \pm 3^{\circ}\text{C}$ , humidity  $55 \pm 3\% \text{RH}$

Test range: 0mm ~ 3mm / 30 ~ 3000  $\mu\text{m}$





**Color parameter:**

Chromaticity coordinates:  $x=0.3572$   $y=0.2022$ ( $duv=1.726e-03$ )

Main wavelength:  $\lambda_d=559.0nm$  Color purity:  $Pur=6.0\%$

Color ratio:  $R=23.1\%$   $G=54.2\%$   $B=3.0\%$

Peak wavelength:  $\lambda_p=418.0nm$  Half width:  $\Delta\lambda_p=26.8nm$

Color rendering index:  $Ra=65.8$

$R1=71$ 、 $R2=72$ 、 $R3=71$ 、 $R4=71$ 、 $R5=71$ 、 $R6=63$ 、 $R7=76$ 、 $R8=65$ 、 $R9=-3$ 、 $R10=35$ 、

$R11=71$ 、 $R12=41$ 、 $R13=65$ 、 $R14=77$ 、 $R15=73$

**Photometric parameters:**

Luminous flux $\Phi$ : 8.558 lm Radiant flux $\Phi_e$ : 1.725 W Light effect: 0.03lm/W

**Electrical parameters:**

Voltage  $U=220.0V$  Electric current  $I=5.2000A$  Power  $P=1210.01W$

Power factor  $PF=1.2014$

Wavelength coordinates:  $x=0.21311$   $y=0.2998$ ( $duv=3.03e-03$ )

Main wavelength:  $\lambda_d=400-1200\mu m$  Terahertz wavelength:  $30\sim 1200\mu m=20.12\%$

**Test equipment:**

Test equipment	Equipment brand	Equipment model
Infrared radiation detector	Shenzhen wanyitong	JPS-5X
Terahertz radiation detector	CETC instruments	3643X

\*\*\*The End of the Report\*\*\*



Sample Photo:





## **Additional Instructions of the Report**

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