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佳邦科技股份有限公司

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纳恩博-BT模块

Presented by

宋宽宏

2023/ 11/ 23

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Version	Date	Description	Author
V01	2023/11/23	New Release	宋宽宏

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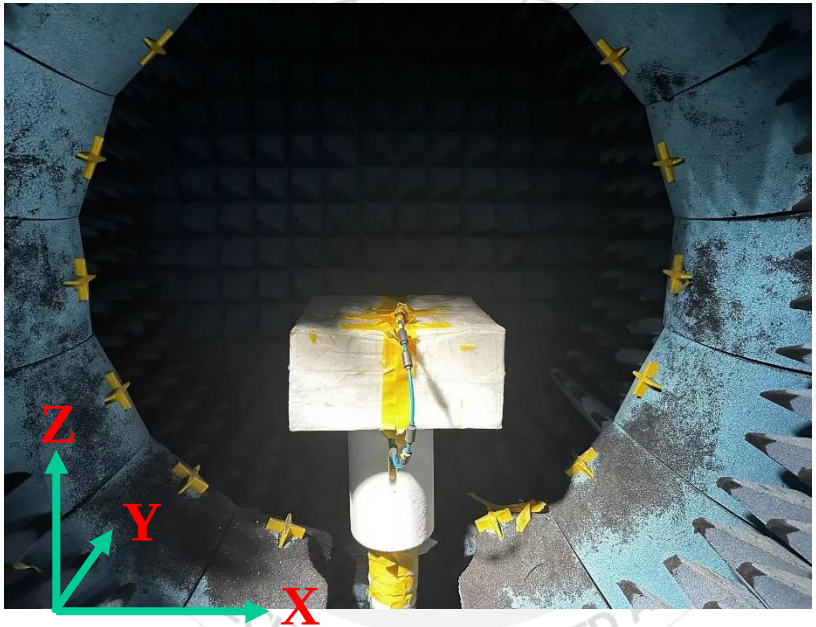
1. Measurement Information

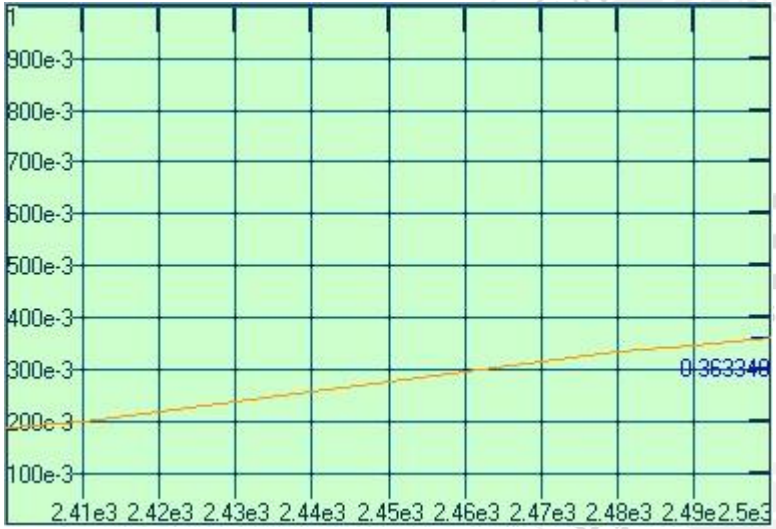
1.1 Experimental Setup

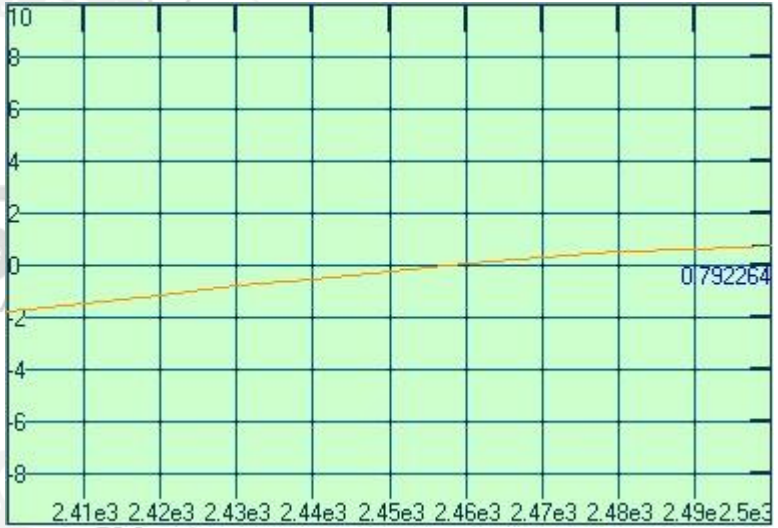


1.2 Antenna Type:PCB Antenna

2. Antenna Characteristics

2.1 Antenna Efficiency and Peak Gain





Maximum Efficiency at 2480 MHz : 36.33 %

Maximum Peak Gain at 2480 MHz : 0.79 dBi

2. Antenna Characteristics

2.2 Antenna Efficiency and Peak Gain

	Ant	
Frequency (MHz)	Peak gain (dBi)	Efficiency (%)
2400	-1.71	19.00
2450	-0.16	27.98
2500	0.79	36.33

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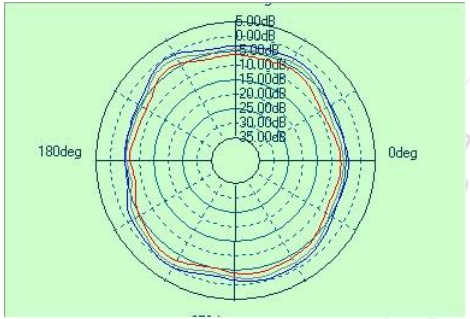
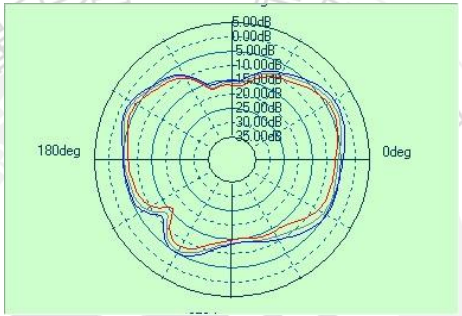
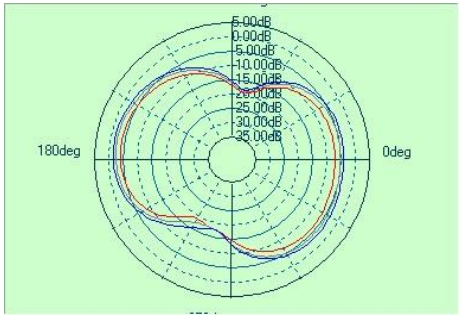
2. Antenna Characteristics

2.3 2D Radiation Patterns







	ZX plane		ZY plane		XY plane	
Frequency [MHz]	**Max Value [dBi]**	**Average [dBi]**	**Max Value [dBi]**	**Average [dBi]**	**Max Value [dBi]**	**Average [dBi]**
2400	**-2.80**	**-5.85**	**-4.07**	**-8.50**	**-4.21**	**-8.26**
2450	**-1.26**	**-4.13**	**-2.70**	**-7.11**	**-2.65**	**-6.54**
2500	**-0.34**	**-2.96**	**-1.58**	**-6.05**	**-1.71**	**-5.54**

3. Summary

- The performance of antennas is shown in table

	Ant
Maximum Efficiency (%)	**39.37**
Maximum Gain (dBi)	**0.79**

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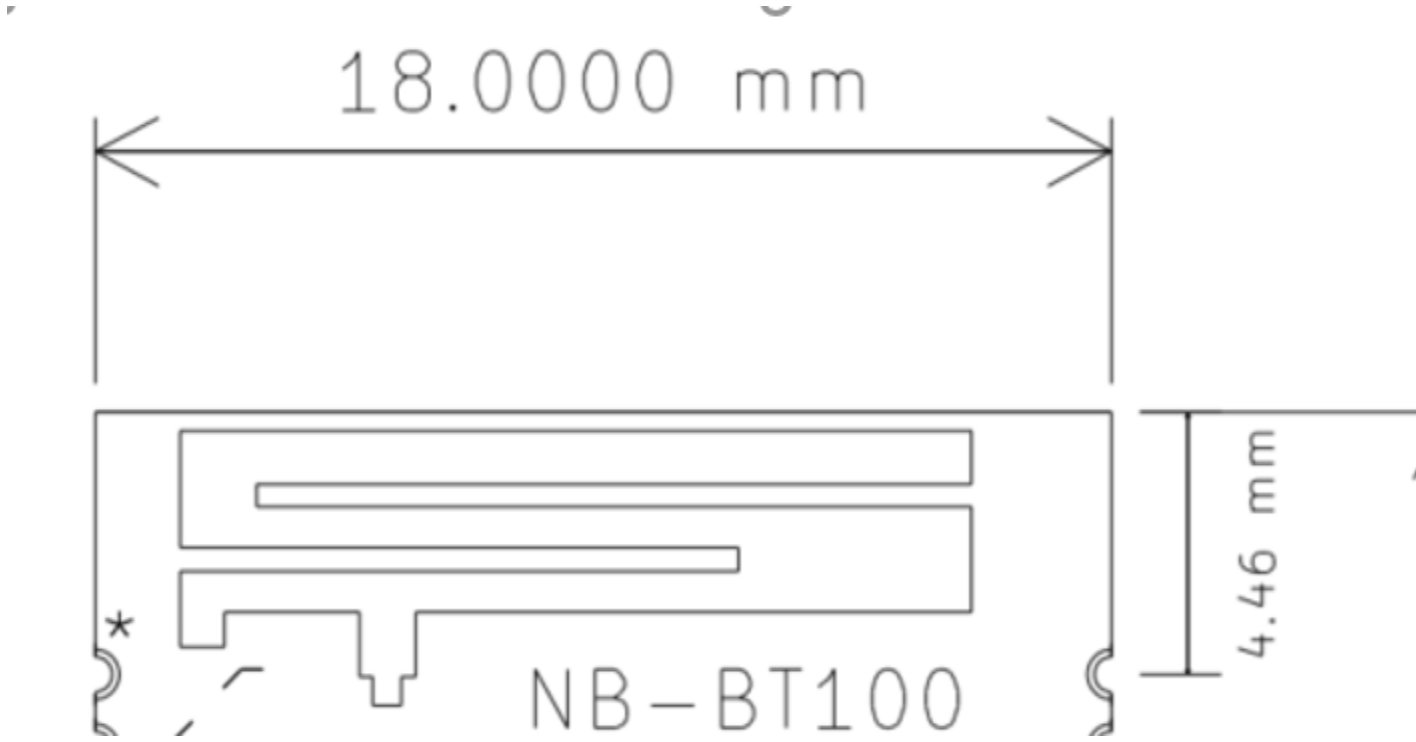
Antenna drawing



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