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PASSIVE SYSTEM ALLIANCE

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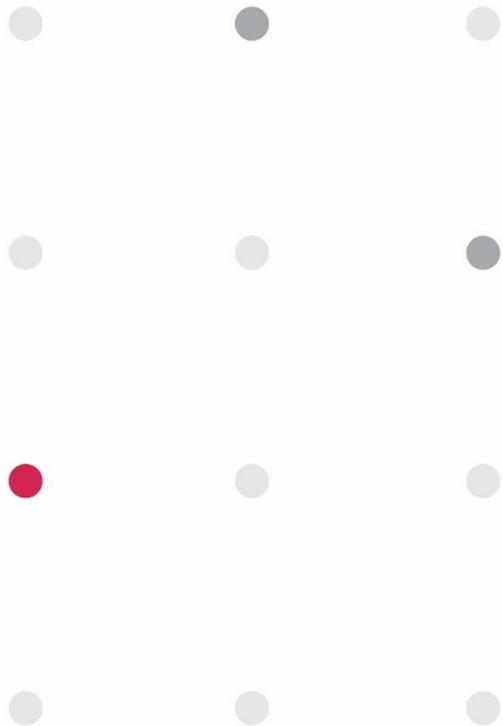
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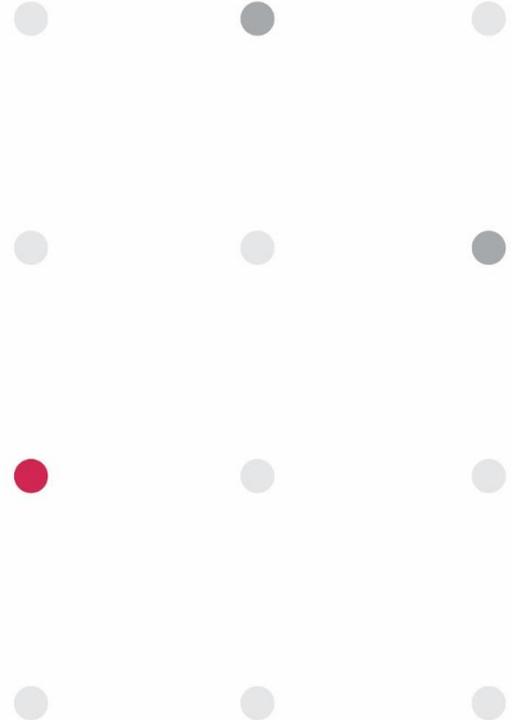
致伸_Furbo-Mini2

Presented by

Ken Nguyen

2023/02/14

3

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Version	Date	Description	Author
V01	2023/02/14	New Release	Ken Nguyen

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OUTLINE

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1. Measurement Information

1.1 Experimental Setup
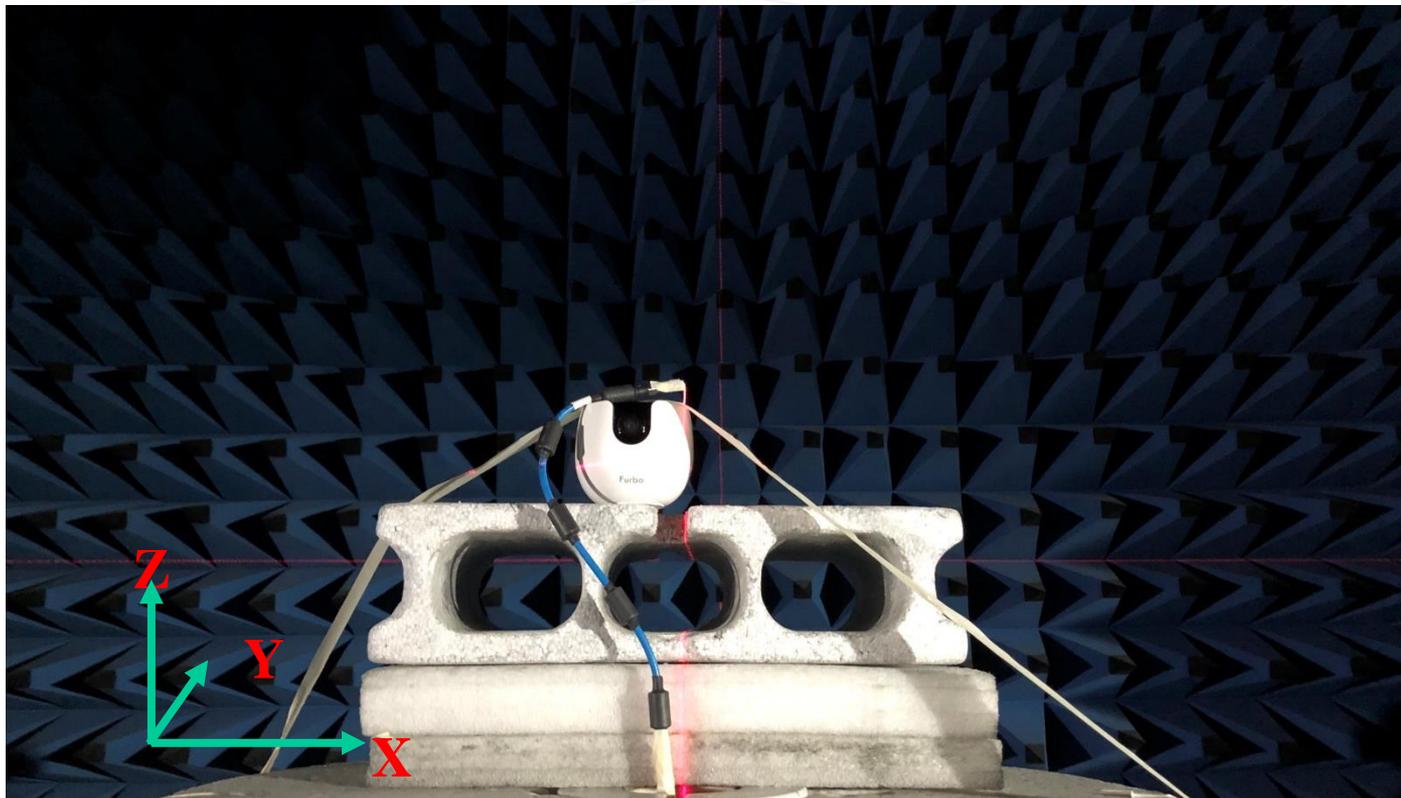
1. Measurement Information

1.2 Antenna Solution Detail

ANTENNA

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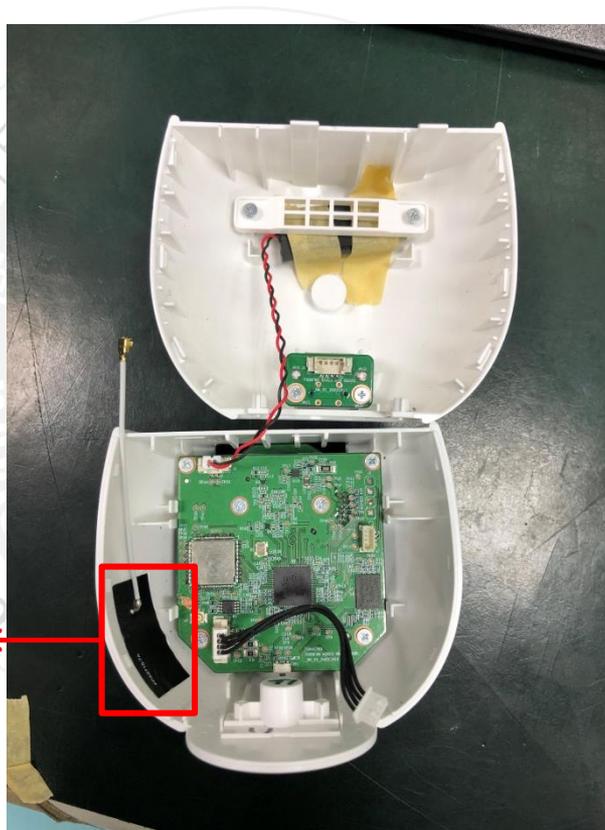
2. Antenna Characteristics

2.1　　　S-Parameter
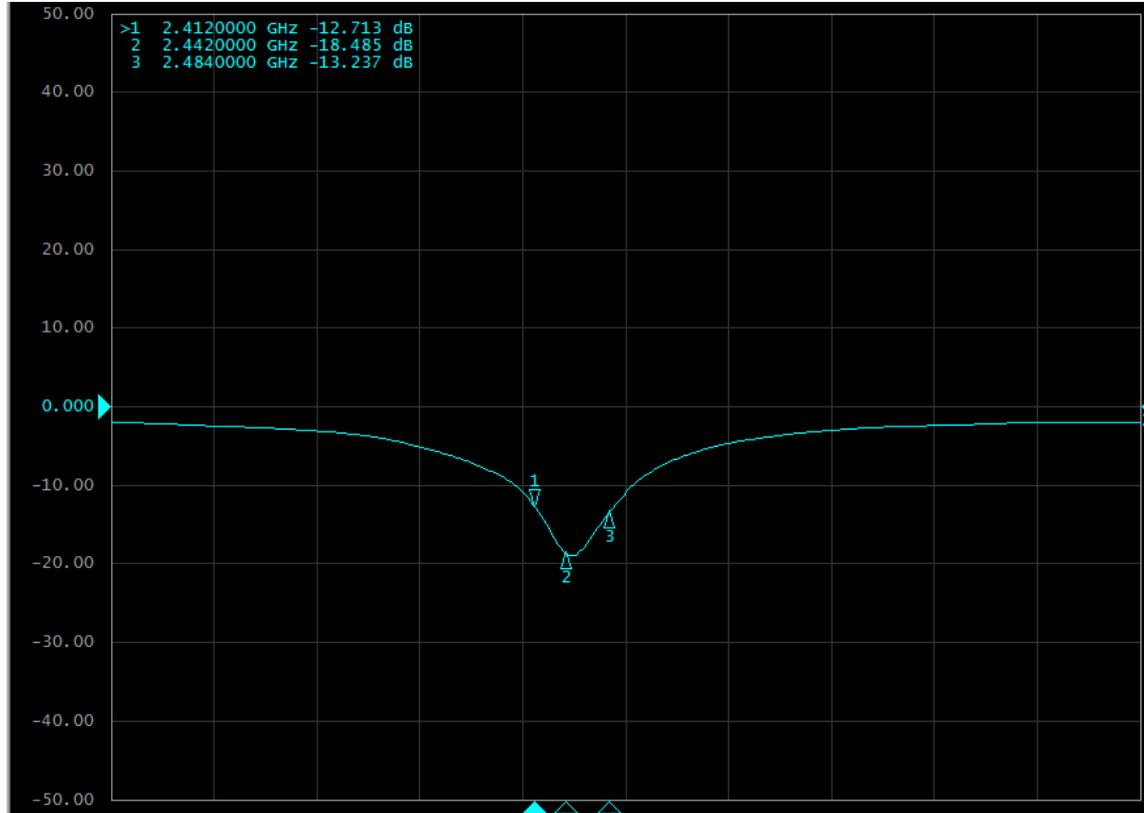
2. Antenna Characteristics

2.2 Antenna Efficiency and Peak Gain
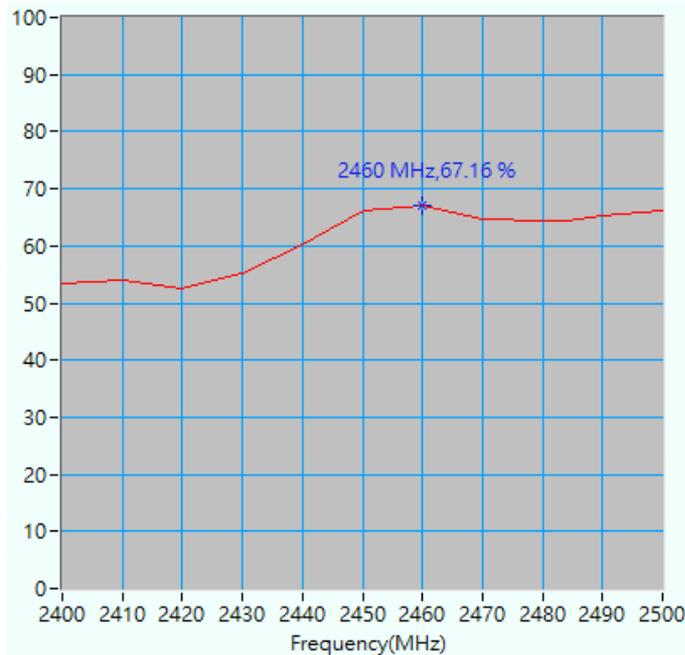
Maximum Efficiency at 2460 MHz : 67.16 %
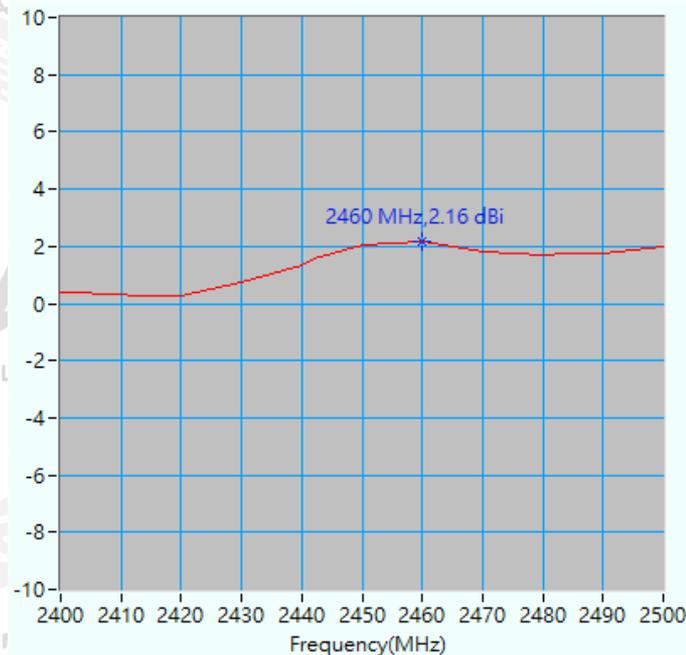
Maximum Peak Gain at 2460 MHz : 2.16 dBi

2. Antenna Characteristics

2.2   Antenna Efficiency and Peak Gain

Frequency (MHz)	Efficiency (%)	Peak gain (dBi)
2412	53.57	0.27
2442	61.56	1.59
2484	64.36	1.76

2. Antenna Characteristics

2.3 3 views of antenna
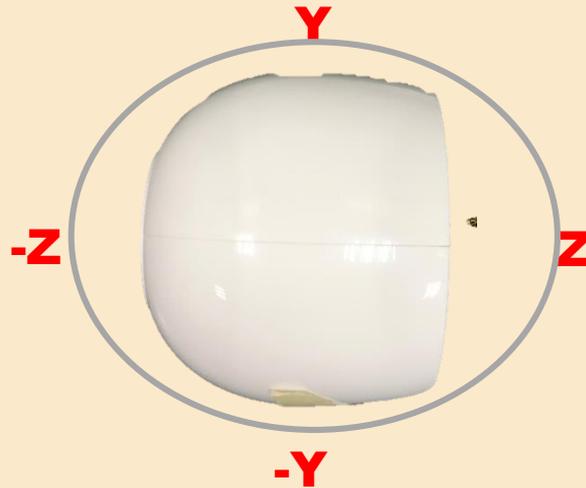
X-Z plane	Y-Z plane	X-Yplane

2. Antenna Characteristics

2.3   2D Radiation Patterns
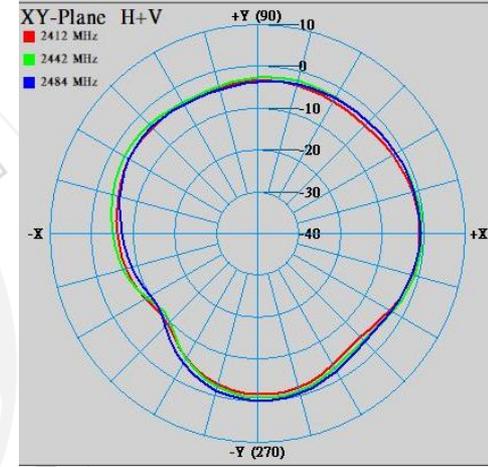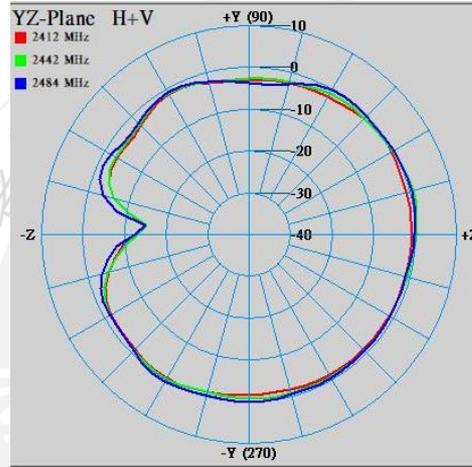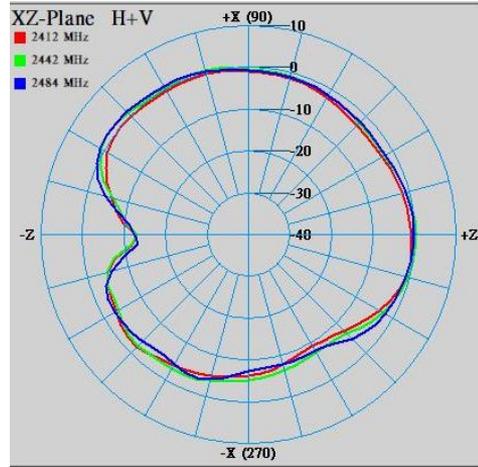
	ZX plane		ZY plane		XY plane	
Frequency [MHz]	Max Value [dB]	Average [dB]	Max Value [dB]	Average [dB]	Max Value [dB]	Average [dB]
2412	0.14	-2.70	-0.13	-1.83	-0.88	-3.55
2442	1.59	-1.93	0.94	-1.33	-0.30	-2.79
2484	1.69	-1.98	0.66	-1.05	0.07	-2.96

3. Summary

- The performance of antennas is shown in table

Maximum Efficiency (%)	**67.16**
Maximum Gain (dBi)	**2.16**
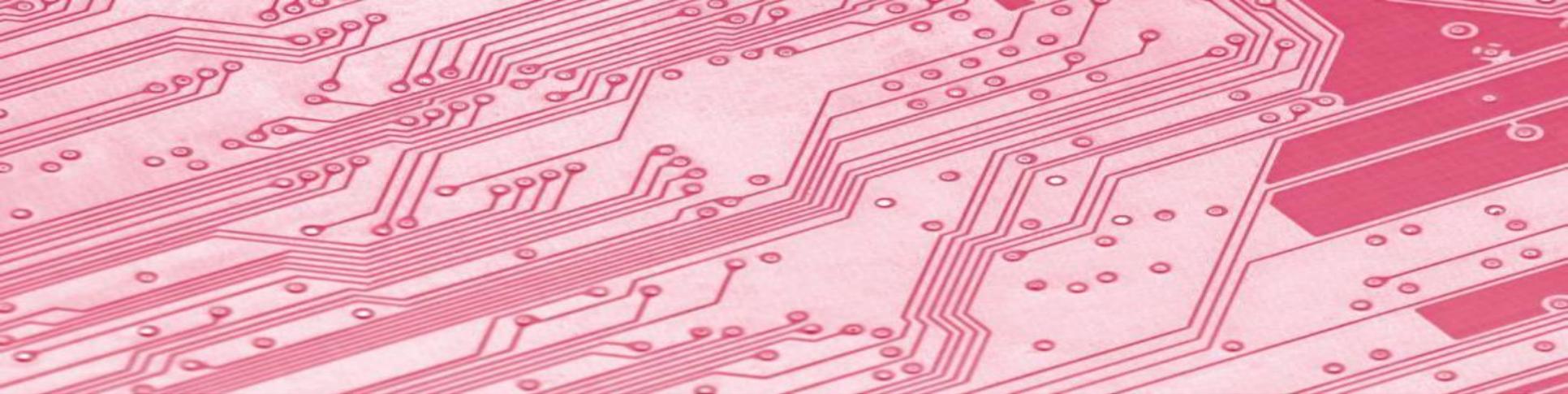
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Content Details

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