

Product specification

Quick Reference Date

Model	2.4G ANT	
Antenna type	PCB	
Frequency	2.45GHz*1	
Ant. Port Input Pwr. (dBm)	0 (Typ. BT class 2 output power)	
Tot. Rad. Pwr. (dBm)	-2.3 (Input pwr ?loss pwr)	
Peak EIRP(dBm)	1.3	
Directivity (dBi)	1 (all direction antenna)	
Efficiency (dB)	-2.3 (58.5%)	
Gain (dBi)	1.7 (Peak Gain X Z-plane)	
Maximum Power (dBm)	1.3 (XY-plane)	
Minimum Power (dBm)	-4(XY-plane)	
Avg. Power (dBm)	-0.5(XY-plane)	
Max/Min Ratio (dB)	5.3(XY-plane)	
Max/Avg Ratio (dB)	1.8(XY-plane)	
Min/Avg Ratio (dB)	-3.5(XY-plane)	
Average Gain (dB)	-0.5 (Avg Gain XY-plane)	

All the technical data and information contained herein are subject to change without prior notice

Antenna Gain

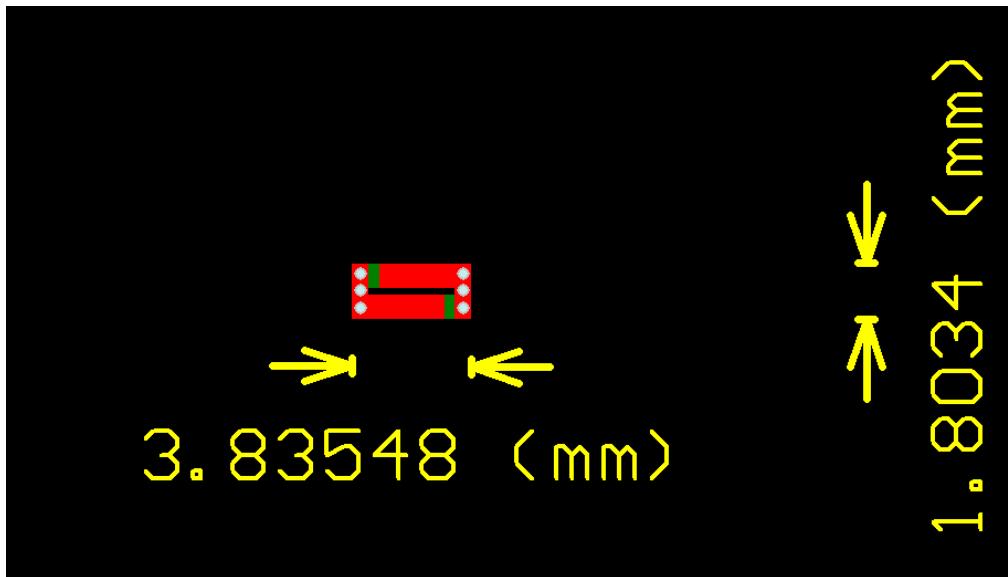
Unit in dBi @2.44GHz	XY-plane		XZ-plane		YZ-plane		Efficiency
	Peak	Avg.	Peak	Avg.	Peak	Avg.	
Module Board	1.3	-0.5	1.7	-3.8	LI	-3.0	58.5%

UNLESS OTHER SPECIFIED TOLERANCES ON: X=± X.X=± X.XX=± ANGLES = ± HOLES/DIA = ±		江门市永旭电路板有限公司 Jiangmen Yongxu Circuit Board Co., Ltd	
SCALE: N/A	UNIT: mm	THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF PBXY TECHNOLOGY Limited AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION	
DRAWN BY : Sera	CHECKED BY: XD		
DESIGNED BY: Sera	APPROVED BY: XD		
TITLE: WH-H03		DOCUMENT NO.	SPEC REV.
			P1

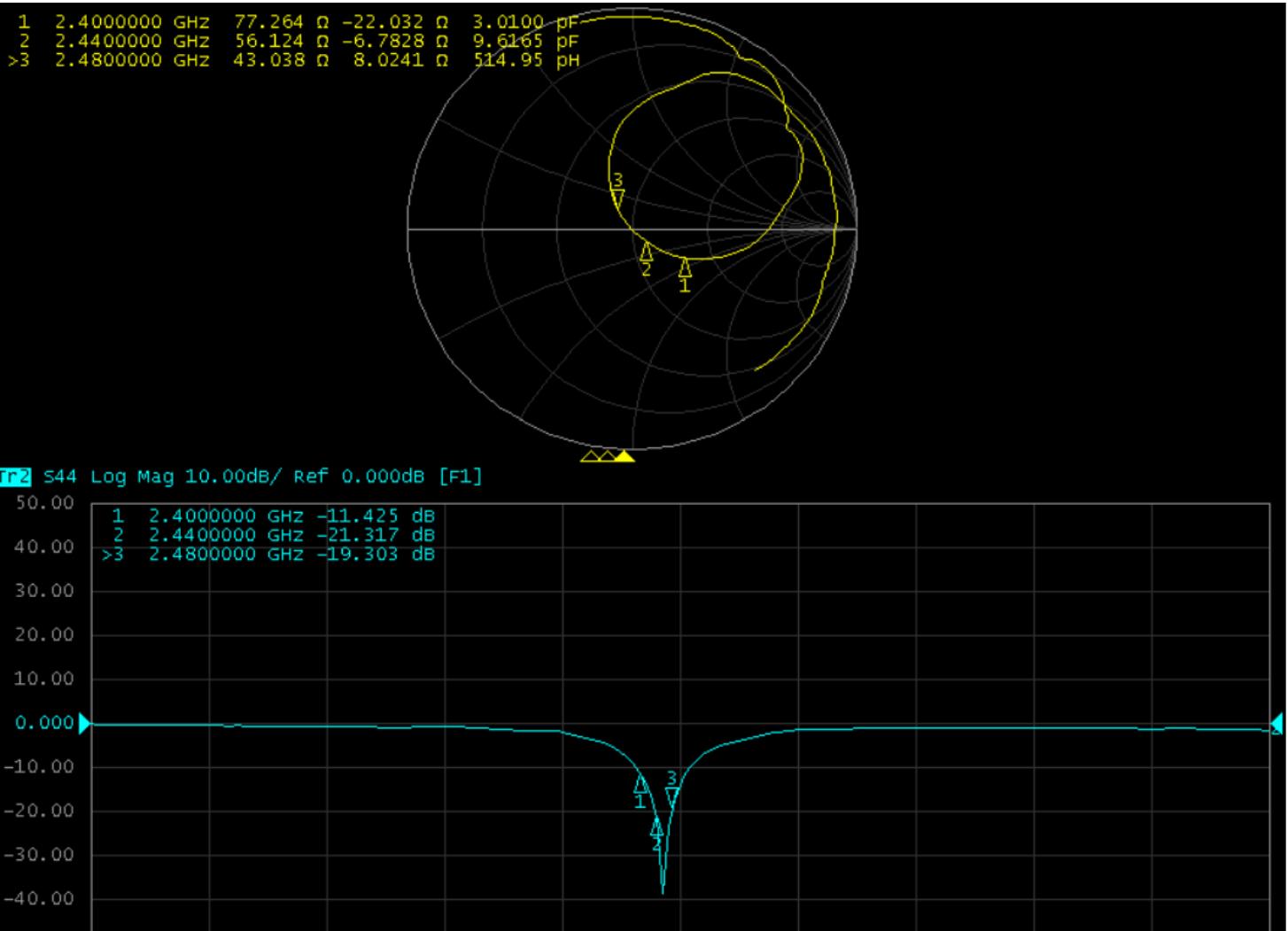
Jiangmen Yongxu Circuit Board Co., Ltd

No. 7, Hongling Middle Road, Hongling Industrial Zone, Chongkui Town, Taishan City,
Jiangmen, Guangdong, China

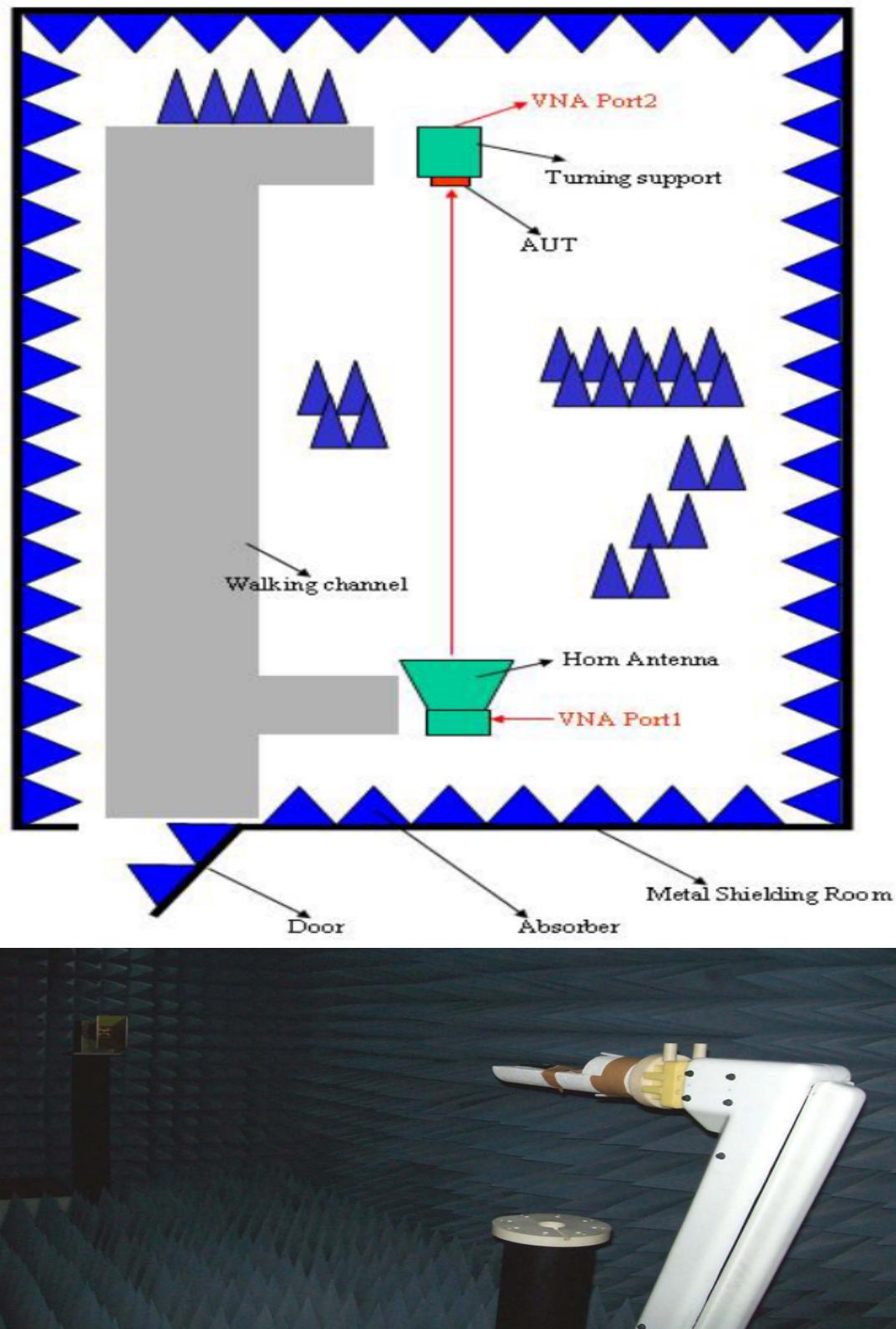
Antenna Layout & module on the system board



UNLESS OTHER SPECIFIED TOLERANCES ON: $X = \pm$ $X.X = \pm$ $X.XX =$ $\text{ANGLES} = \pm$ $\text{HOLE DIA} = \pm$		江门市永旭电路板有限公司 Jiangmen Yongxu Circuit Board Co., Ltd	
SCALE: N/A	UNIT: mm	THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF PBXY TECHNOLOGY Limited AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION	
DRAWN BY : Sera	CHECKED BY: XD		
DESIGNED BY: Sera	APPROVED BY: XD		
TITLE: WH-H03	DOCUMENT NO.		
		SPEC REV.	
		P1	

Return Loss

The Environment of Antenna Radiation Pattern



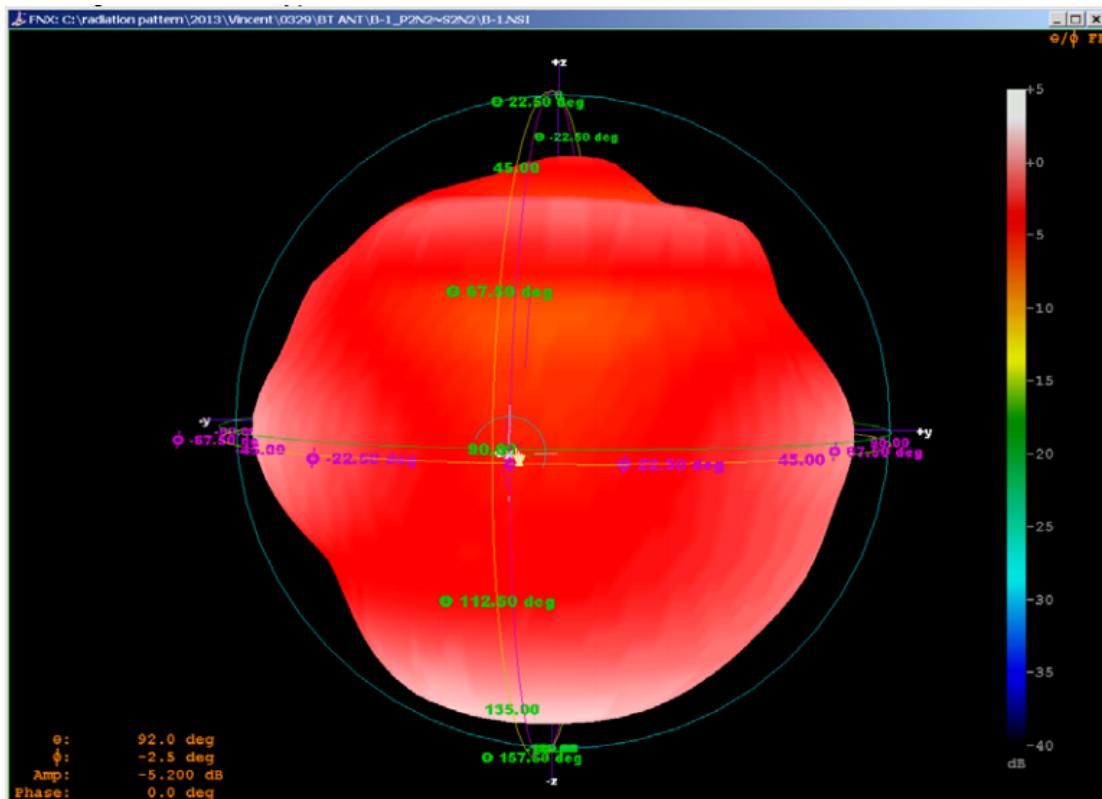
UNLESS OTHER SPECIFIED TOLERANCES ON:		
X=±	X.X=±	X.XX=
ANGLES = ±	HOLE DIA = ±	
SCALE: N/A	UNIT: mm	
DRAWN BY : Sera	CHECKED BY: XD	
DESIGNED BY: Sera	APPROVED BY: XD	
TITLE: WH-H03		

江门市永旭电路板有限公司
Jiangmen Yongxu Circuit Board Co., Ltd

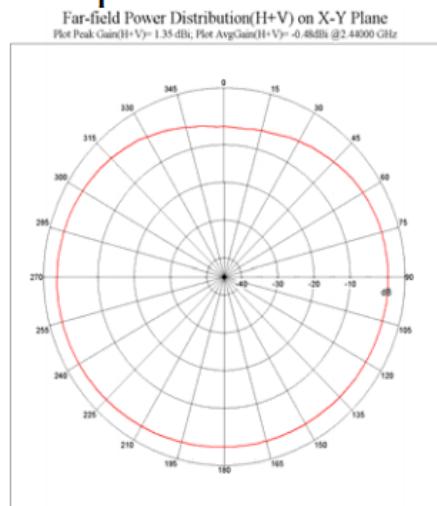
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF PBXY TECHNOLOGY Limited AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION

DOCUMENT NO.		SPEC REV.
		P1

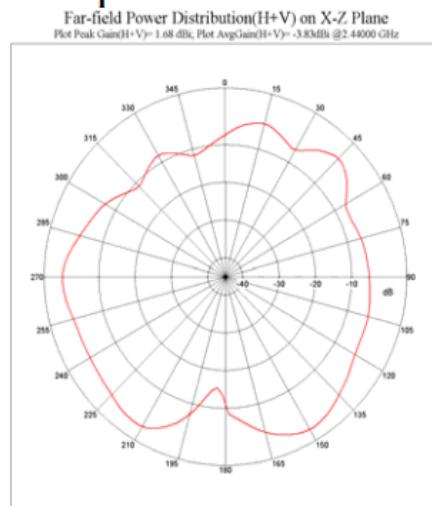
3D radiation pattern diagram



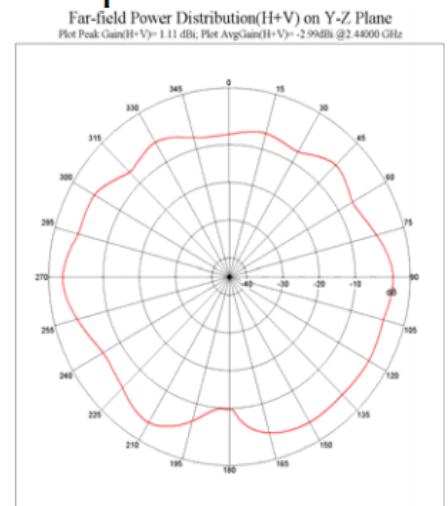
XY-plane



XZ-plane



YZ-plane



UNLESS OTHER SPECIFIED TOLERANCES ON:

X=±	X.X=±	X.XX=
ANGLES = ±	HOLEDIA = ±	

SCALE: N/A

DRAWN BY : Sera

DESIGNED BY: Sera

UNIT: mm

CHECKED BY: XD

APPROVED BY: XD

TITLE: WH-H03

江门市永旭电路板有限公司
Jiangmen Yongxu Circuit Board Co., Ltd

THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF PBXY TECHNOLOGY Limited AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SALE OF APPARATUS OR DEVICES WITHOUT PERMISSION

DOCUMENT NO.

SPEC REV.

P1