



權億科技股份有限公司
Master Wave Technology Co., Ltd.

承認書

APPROVAL SHEET

Customers: 達創科技股份有限公司

Customer Model No.: 0990257624

Master Wave Model No.: 98619PIPF055

Product Description: 8619 Flying Lead Ant.

Issue Date: 2022.11.18

REV.: 02

客戶承認用印 Customer Approved	權億承認用印 Confirmation Signature	
		
核准 Approve	主管 Chief	承辦 Responsible
Tony	Pierce	Alice

MASTER WAVE TECHNOLOGY CO., LTD.

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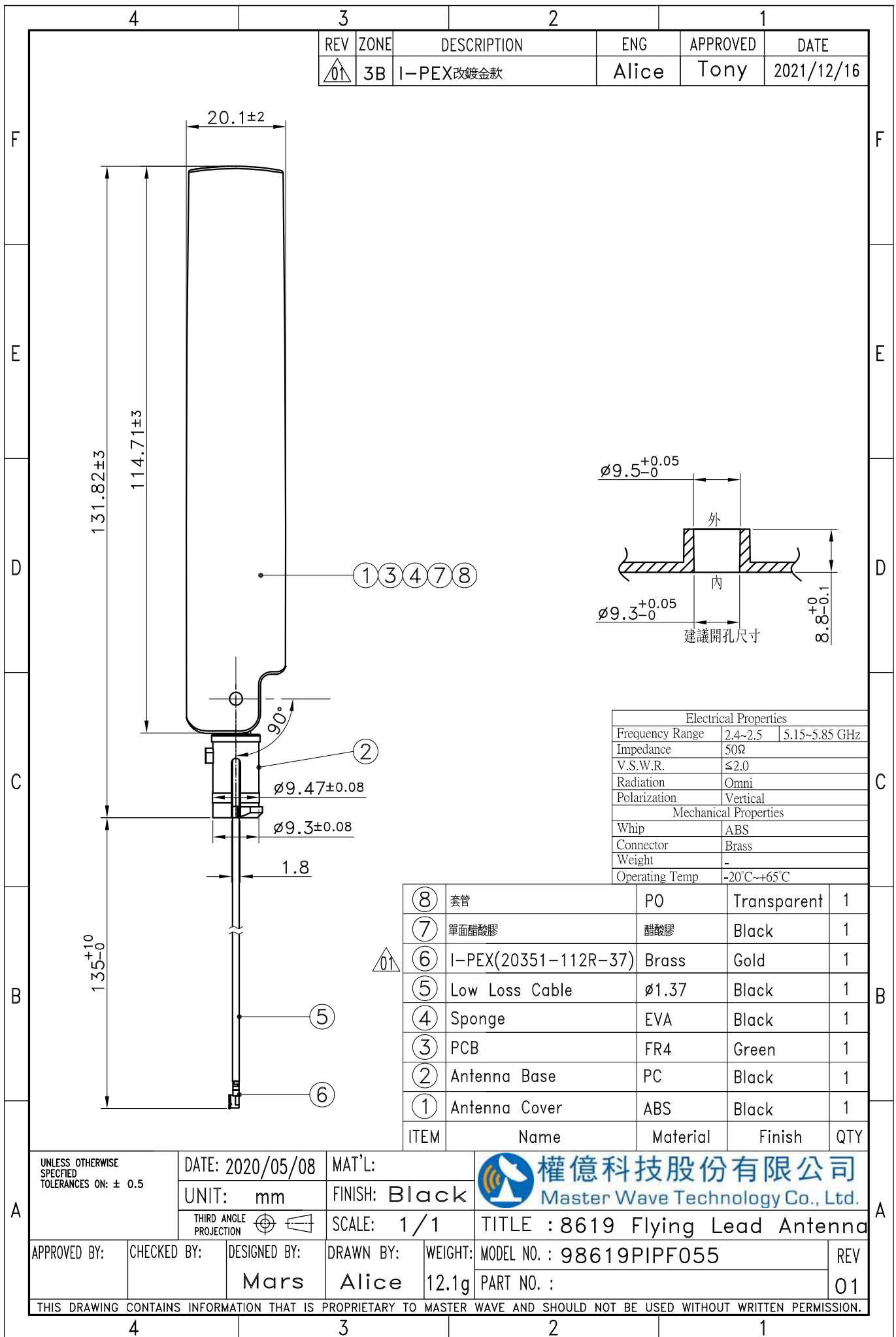
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Modification History:

REV.	Date	Content
00	2020.07.01	
01	2021.12.16	I-PEX改鍍金款
02	2022.11.18	更新Ant. SPEC (1.6項)





8619 Flying Lead Ant.

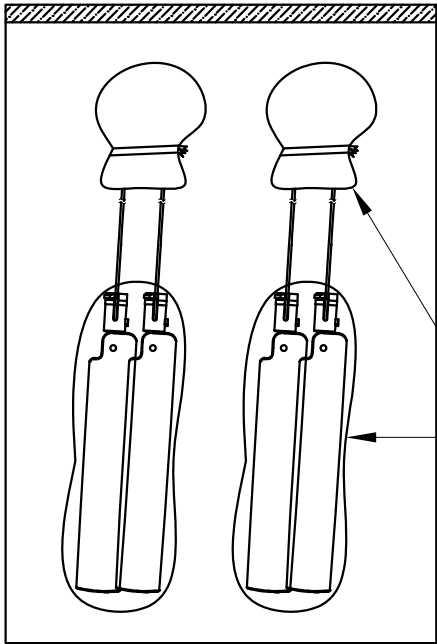
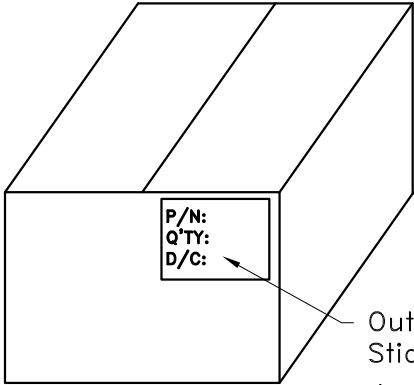
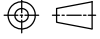
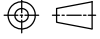
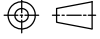
Specification

1. Electrical Properties :

1.1	Frequency Range		2.4~2.5 / 5.15~5.85 GHz
1.2	Impedance		50Ω
1.3	VSWR		≤2.0
1.4	Return Loss		-9.54 dB
1.5	Radiation		Omni
1.6	Peak Gain		refer to below Antenna Efficiency table
1.7	Polarization		Vertical
1.8	Admitted Power		1W

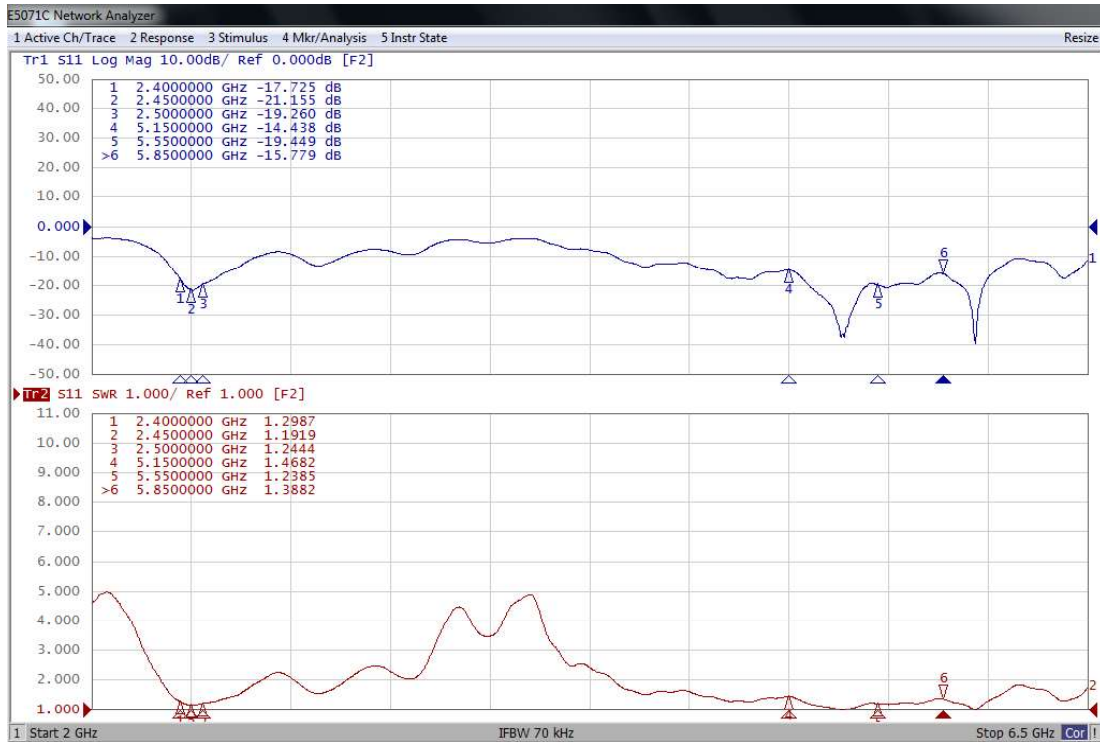
2. Physical Properties :

2.1	Antenna Cover		ABS
2.2	Antenna Base		PC
2.3	Color		Black
2.4	Operating Temp		-20°C~+65°C
2.5	Storage Temp		-25°C~+70°C

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		REV	ZONE	DESCRIPTION		ENG	APPROVED	DATE																																
F																																								
E																																								
D	 25 PCS ANTENNA A Bundle 50 PCS ANTENNA Per Bag AND SEAL (25個天線綁一束, 每包50個天線並封口) 珍珠泡棉																																							
C	↓																																							
B	 Outside the carton : Stick the label on the upper right side (紙箱外：將標籤黏貼在右上方)																																							
A	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" rowspan="3" style="vertical-align: top;"> APPROVED BY: CHECKED BY: DESIGNED BY: DRAWN BY: WEIGHT: </td> <td colspan="2">DATE: 2020/05/08</td> <td colspan="2">MAT'L:</td> <td colspan="2" rowspan="3" style="text-align: center; vertical-align: middle;">  權億科技股份有限公司 Master Wave Technology Co., Ltd. </td> </tr> <tr> <td colspan="2">UNIT: mm</td> <td colspan="2">FINISH:</td> </tr> <tr> <td colspan="2">THIRD ANGLE PROJECTION </td> <td colspan="2">SCALE: -</td> </tr> <tr> <td colspan="2">TITLE : 8619 Flying Lead Antenna Packing</td> <td colspan="2">MODEL NO. : 98619PIPF055</td> <td colspan="2">REV</td> <td colspan="2"></td> </tr> <tr> <td colspan="2">PART NO. :</td> <td colspan="2"></td> <td colspan="2">00</td> <td colspan="2"></td> </tr> </table>								APPROVED BY: CHECKED BY: DESIGNED BY: DRAWN BY: WEIGHT: 		DATE: 2020/05/08		MAT'L:		 權億科技股份有限公司 Master Wave Technology Co., Ltd.		UNIT: mm		FINISH:		THIRD ANGLE PROJECTION 		SCALE: -		TITLE : 8619 Flying Lead Antenna Packing		MODEL NO. : 98619PIPF055		REV				PART NO. :				00			
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THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MASTER WAVE AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION.																																								
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Electrical Test





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Antenna Efficiency

Frequency (MHz)	Peak gain (dBi)	Efficiency (%)
2400	1.57	73.14%
2410	1.75	74.01%
2420	1.86	73.82%
2430	1.96	74.30%
2440	1.99	73.95%
2450	2.17	75.81%
2460	2.21	76.17%
2470	2.18	74.17%
2480	2.28	74.27%
2490	2.46	76.47%
2500	2.34	73.92%

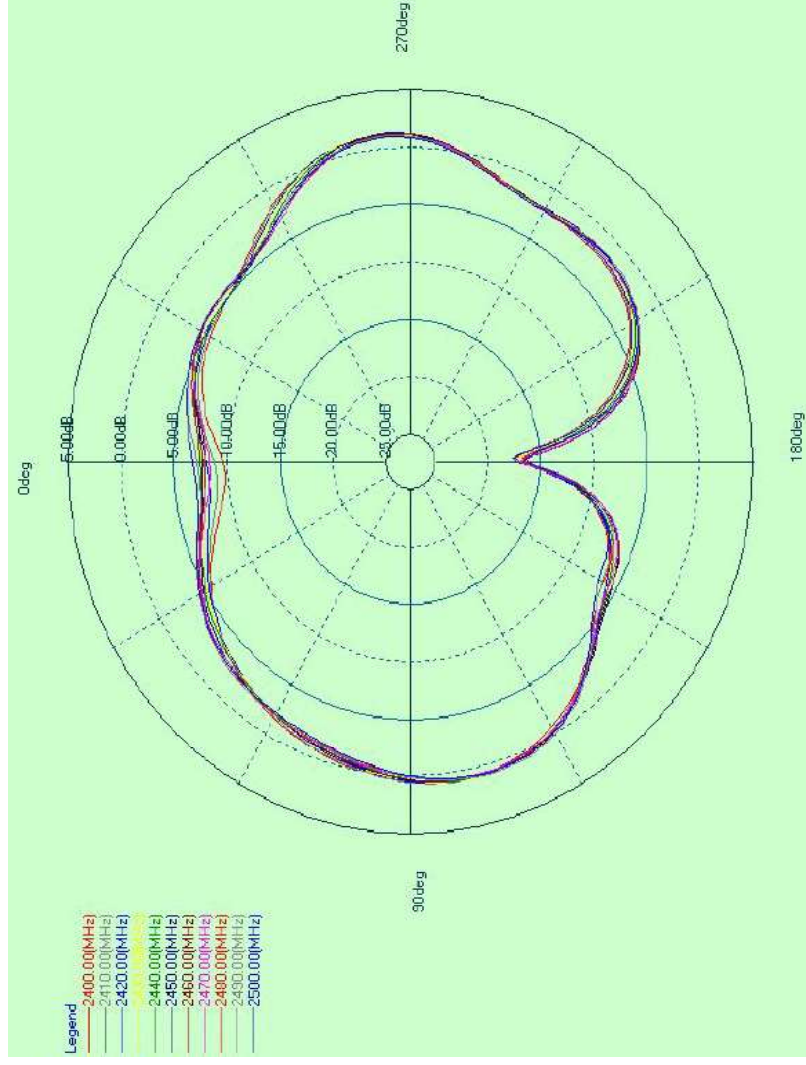
Frequency (MHz)	Peak gain (dBi)	Efficiency (%)
5150	2.04	64.56%
5250	2.52	70.29%
5350	2.77	70.07%
5450	2.79	68.88%
5550	2.87	71.74%
5650	2.64	71.03%
5750	2.44	69.87%
5850	2.67	71.25%



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2D Radiation Pattern 2.4~2.5 GHz XZ Plane

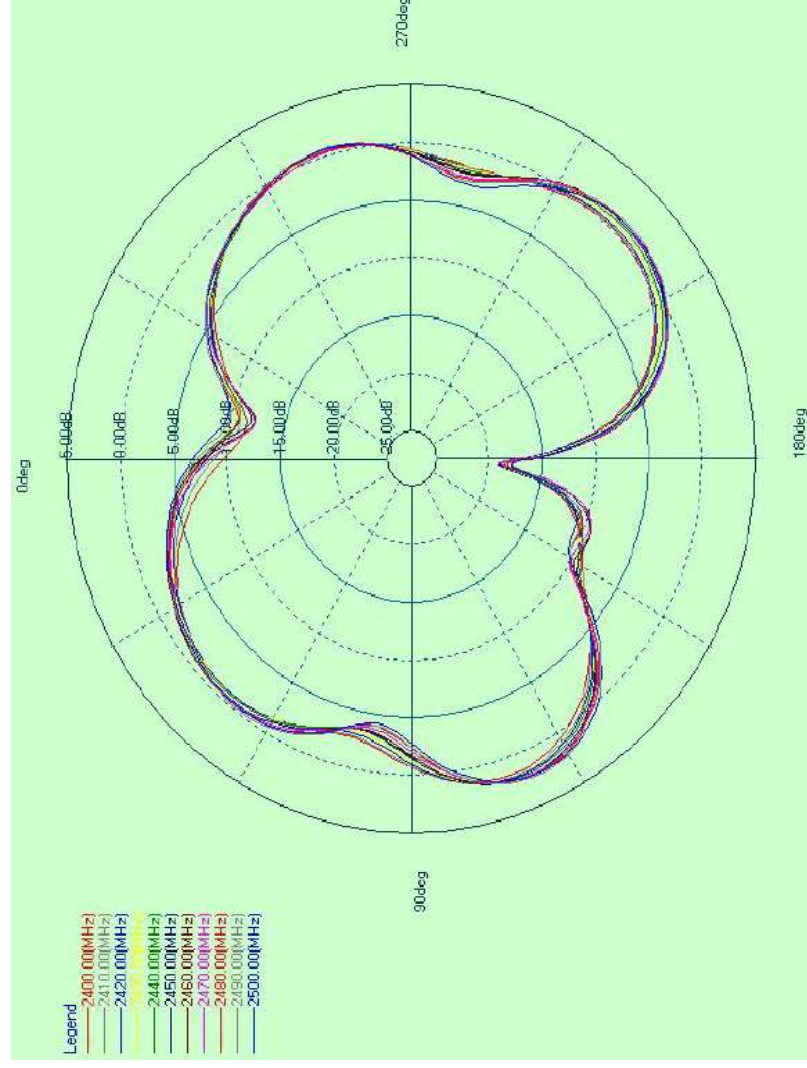




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2D Radiation Pattern 2.4~2.5 GHz YZ Plane

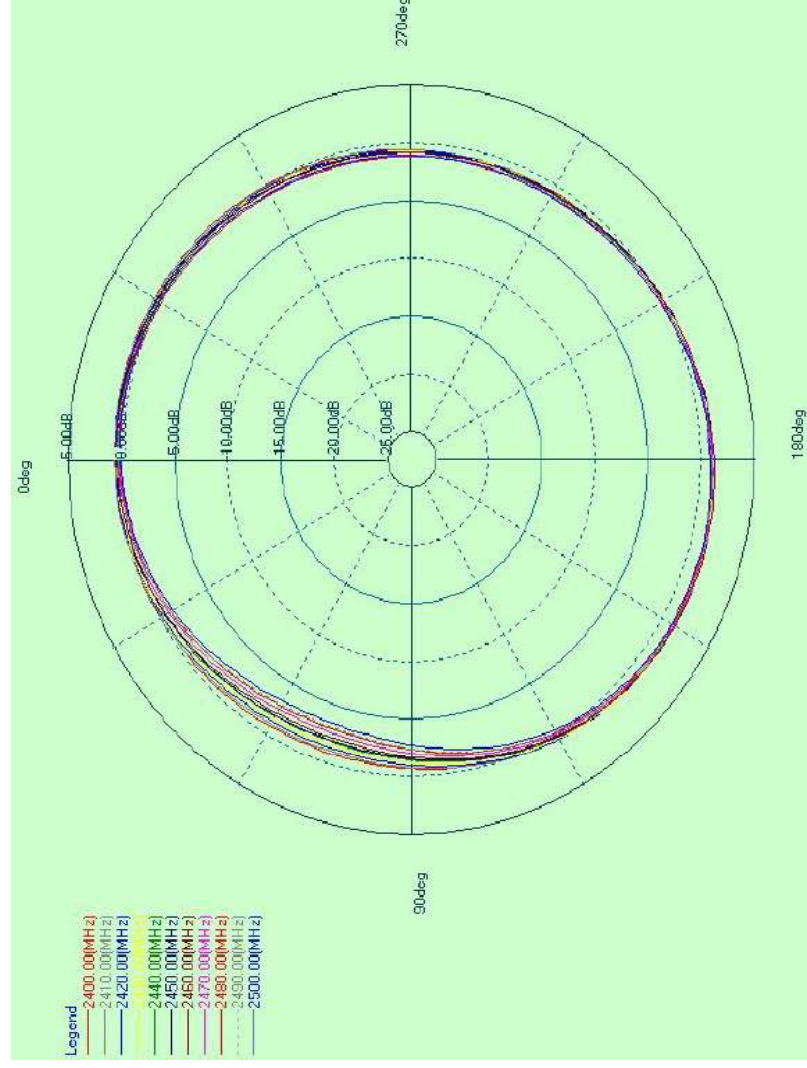




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2D Radiation Pattern 2.4~2.5 GHz XY Plane

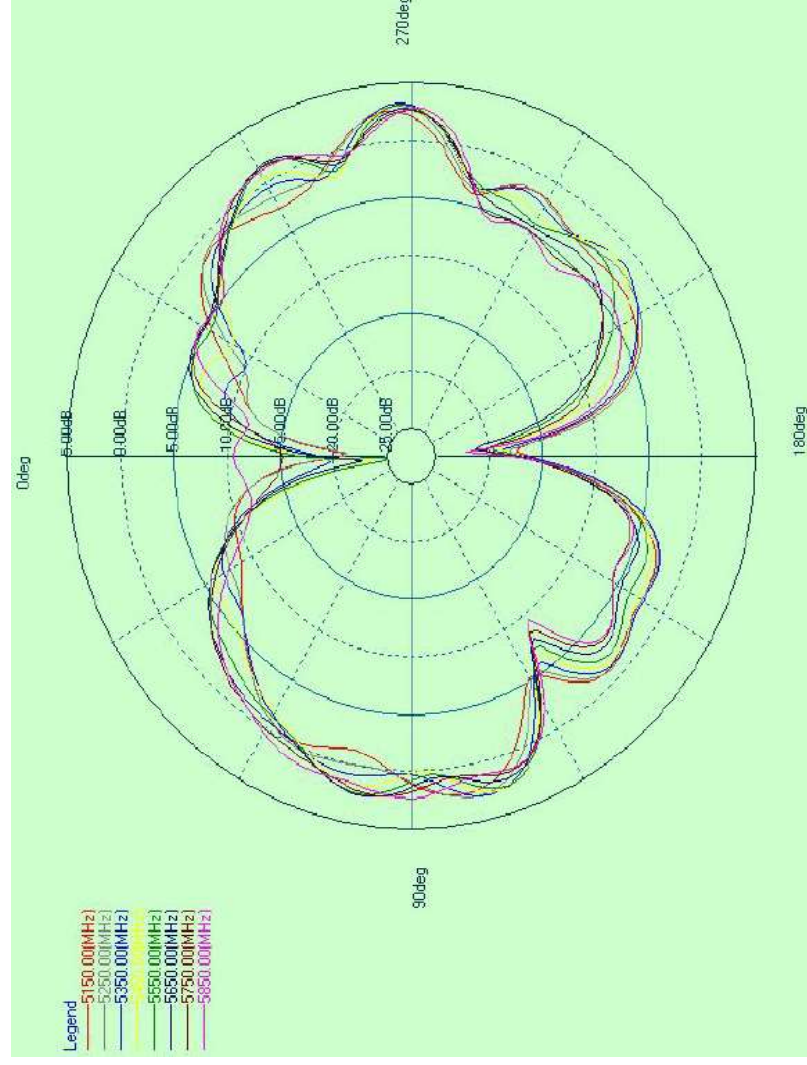




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Master Wave Technology Co., Ltd.

2D Radiation Pattern 5.15~5.85 GHz XZ Plane

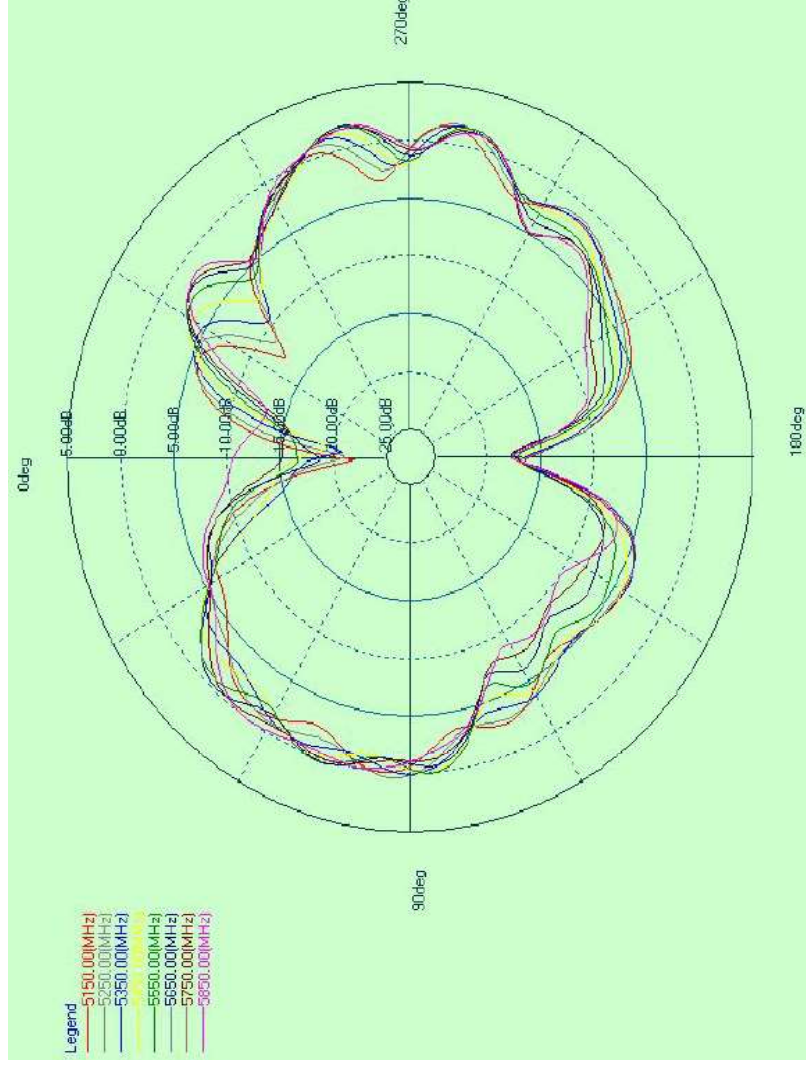




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