



年益實業股份有限公司

Nienyi Industrial Corp.

承認書

SPECIFICATION FOR APPROVAL

客戶 Customer :	Tytocare
產品 Product :	Tytocare G3 Antenna V1
客戶料號 Part NO. :	170-00003
廠商料號 Vender NO. :	NYS6135
產品生產地 Vender :	珠海科技廠
產品單重 Weight/PC :	1.1g

Approved by : Wuliang

Checked by : Zhangyh

Drawing by : JJ Wang

客戶判定

Customer Conclusion:

- ☐ Approved (承認)
- ☐ Rejected (不合格)
- ☐ Limited (允收)
- ☐ Conditional Approval (條件認可)

※ Please sign off and Fax over to us.

Authorized Signatures :

承認書修訂履歷表

Acknowledgment Revision Record

版本 Edition	修訂日期 Revision Date	修訂頁次 Revision Page	修訂內容 Revision Item	修訂人 Principal	主管簽核 Confirmation and Signature of Director	客戶簽核 Confirmation and Signature of Client
A	2024/05/20	P.4 ,P.9 &P.18	1.Modify the value of peak gain 2.Add cable loss Data	JJ Wang	Zhangyh	
B	2024/06/05	P.4 ,P.18	1.Add connector remarks 2. Modify cable length	JJ Wang	Zhangyh	
C	2024/07/11	P.1 ,P.18	1.Add part No. 2. Modify Title	Chensq	Zhangyh	
D	2025/06/11	P.20-32	Modify Connector P/N	Chensq	Zhangyh	
E						
F						
G						
H						
I						
J						
K						
L						
M						

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01.Electrical Specifications

Item	Electrical Specifications
Frequency Range	2.4GHz ~ 2.5GHz 5.15GHz ~5.85GHz
Peak Gain	2.4G ≤ 3.57 dBi 5G ≤ 3.49dBi
Polarization Type	Linear
Impedance	50Ω
Cable Loss	2.4G : 0.63dB 5G : 1.08dB
Connector	RF 2.5H Connector (RF connector is compatible with I-PEX MHF-1)
Dimension	L39mm ; W 10mm ;H 1.0mm
Cable Length	65.5mm

NYS XXXX

A

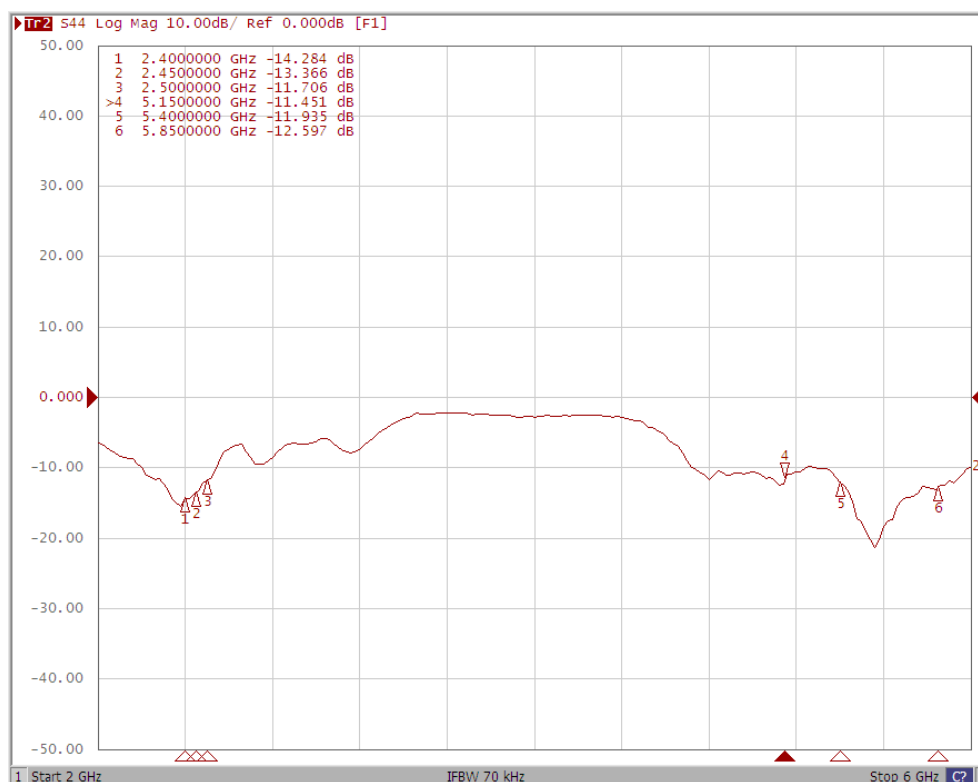
B

A: 代表年益實業股份有限公司

B: 流水號

03. Return Loss Test

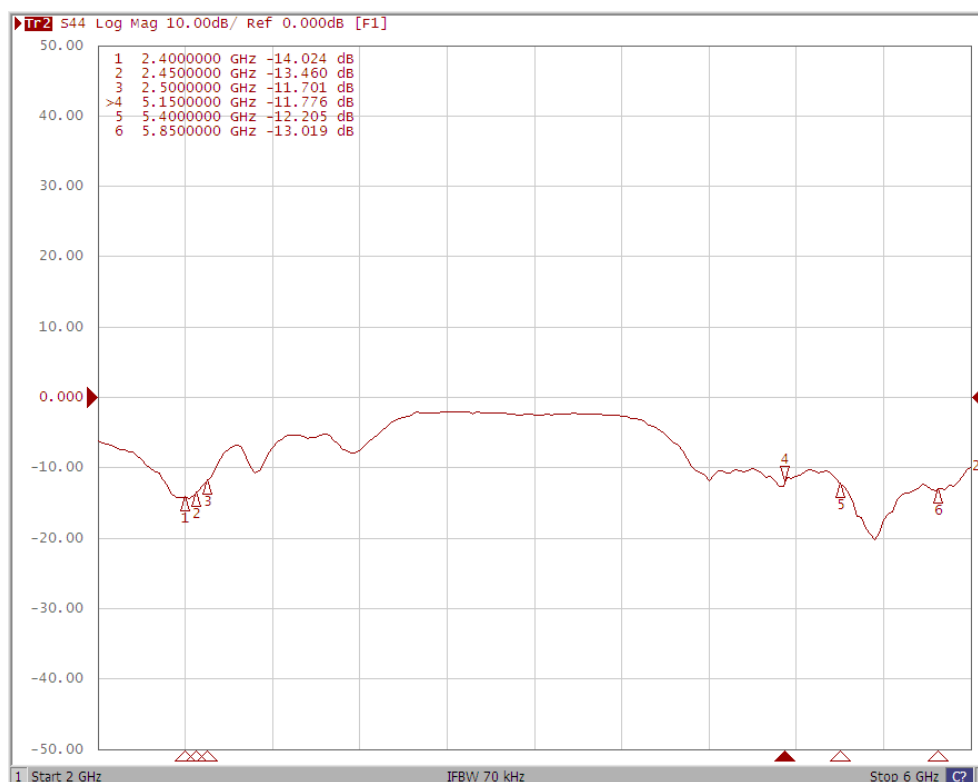
1. Stethoscope Mode -No hand hold



Frequency	Return Loss
2.400 GHz	-14.284 dB
2.450 GHz	-13.366 dB
2.500 GHz	-11.706 dB
5.150 GHz	-11.451 dB
5.400 GHz	-11.935 dB
5.850 GHz	-12.597 dB

Return Loss Test

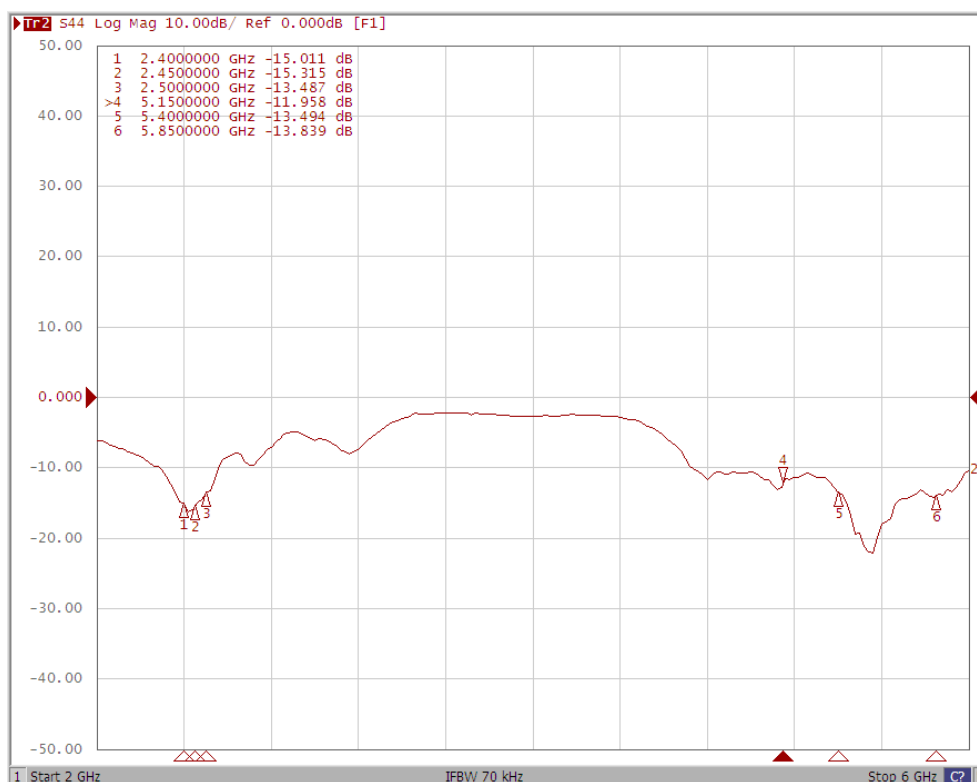
2. Oscilloscope Mode - No hand hold



Frequency	Return Loss
2.400 GHz	-14.024 dB
2.450 GHz	-13.460 dB
2.500 GHz	-11.701 dB
5.150 GHz	-11.776 dB
5.400 GHz	-12.205 dB
5.850 GHz	-13.019 dB

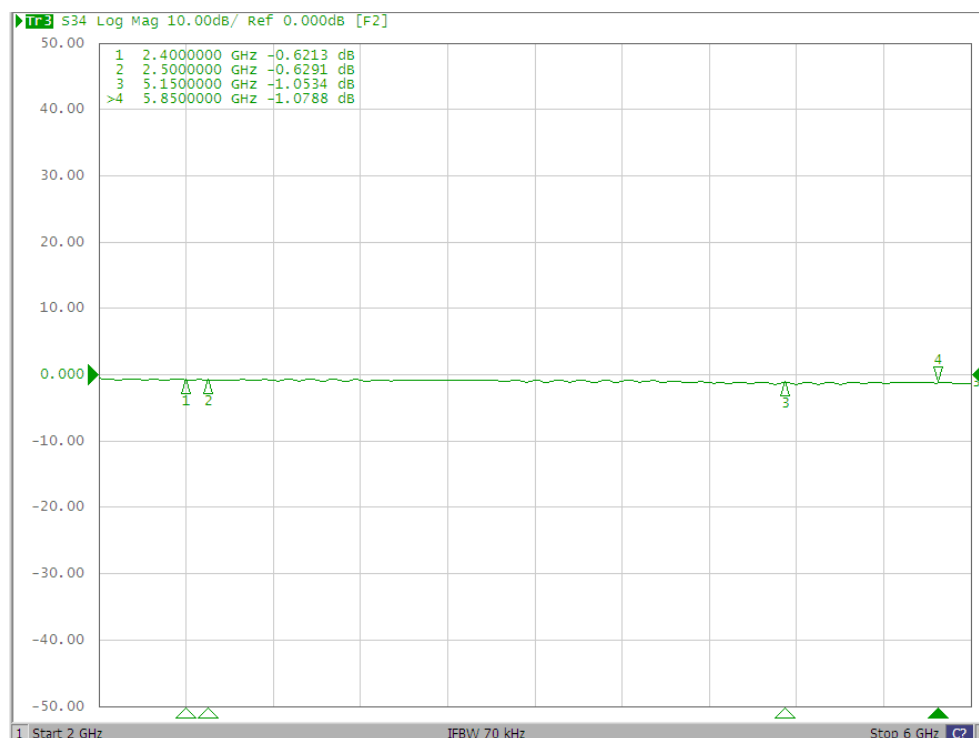
Return Loss Test

3. Camera Mode - No hand hold



Frequency	Return Loss
2.400 GHz	-15.011 dB
2.450 GHz	-15.315 dB
2.500 GHz	-13.487 dB
5.150 GHz	-11.958 dB
5.400 GHz	-13.494 dB
5.850 GHz	-13.839 dB

04. Cable Loss Test



Frequency	Return Loss
2.400 GHz	-0.6213 dB
2.500 GHz	-0.6291 dB
5.150 GHz	-1.0534 dB
5.850 GHz	-1.0788 dB

05. Gain Table

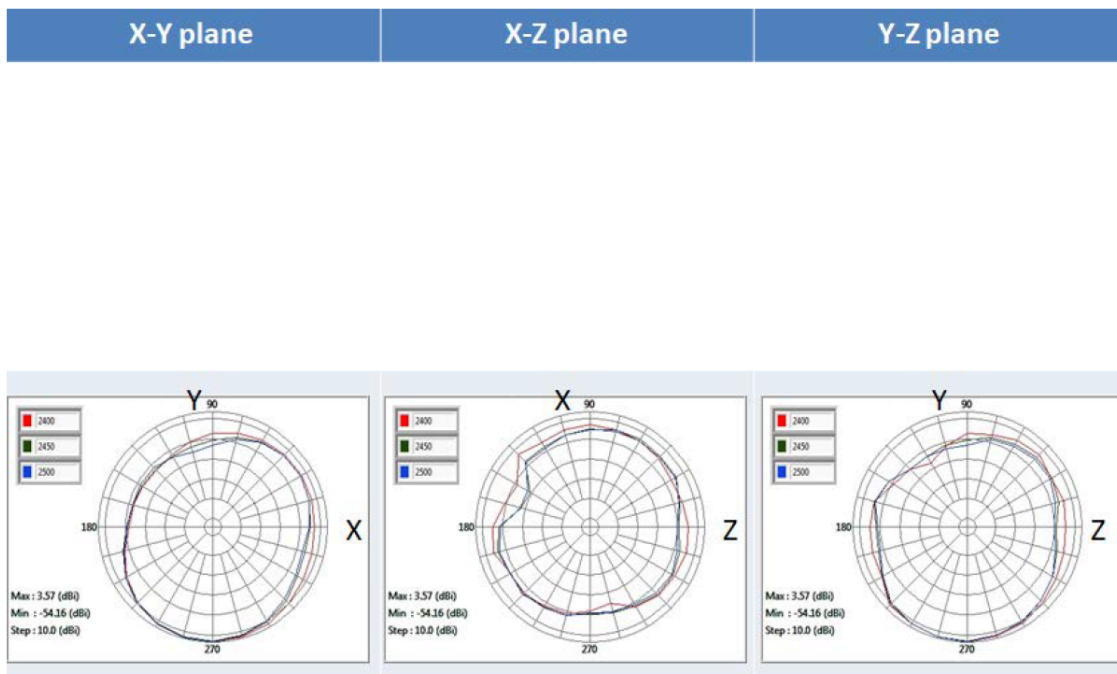
1.Stethoscope Mode							
Frequency	2.4G	2.45G	2.5G	5.15G	5.35G	5.55G	5.85G
Efficiency Total (%)	52	50.46	47.27	45.99	37.93	40.93	43.73
Gain Total (dBi)	3.57	3.42	3.03	3.43	2.57	2.84	3.3

2.Otoscope Mode							
Frequency	2.4G	2.45G	2.5G	5.15G	5.35G	5.55G	5.85G
Efficiency Total (%)	51.94	50.58	46.24	43.6	38.9	40.17	41.31
Gain Total (dBi)	3.57	3.15	2.86	2.93	2.26	2.29	3.02

3.Camera Mode							
Frequency	2.4G	2.45G	2.5G	5.15G	5.35G	5.55G	5.85G
Efficiency Total (%)	51.83	49.89	45.08	44.32	41.4	42.95	38.98
Gain Total (dBi)	3.15	3.36	2.9	3.32	3.49	3.35	2.47

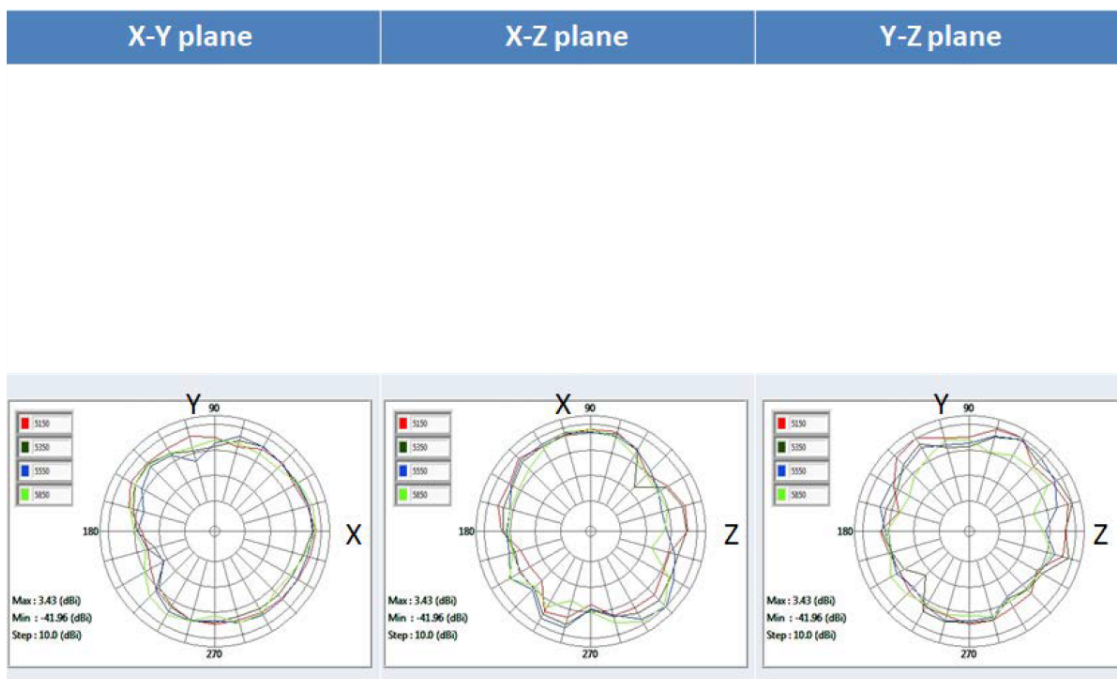
2D Patterns

1. Stethoscope Mode 2.4G



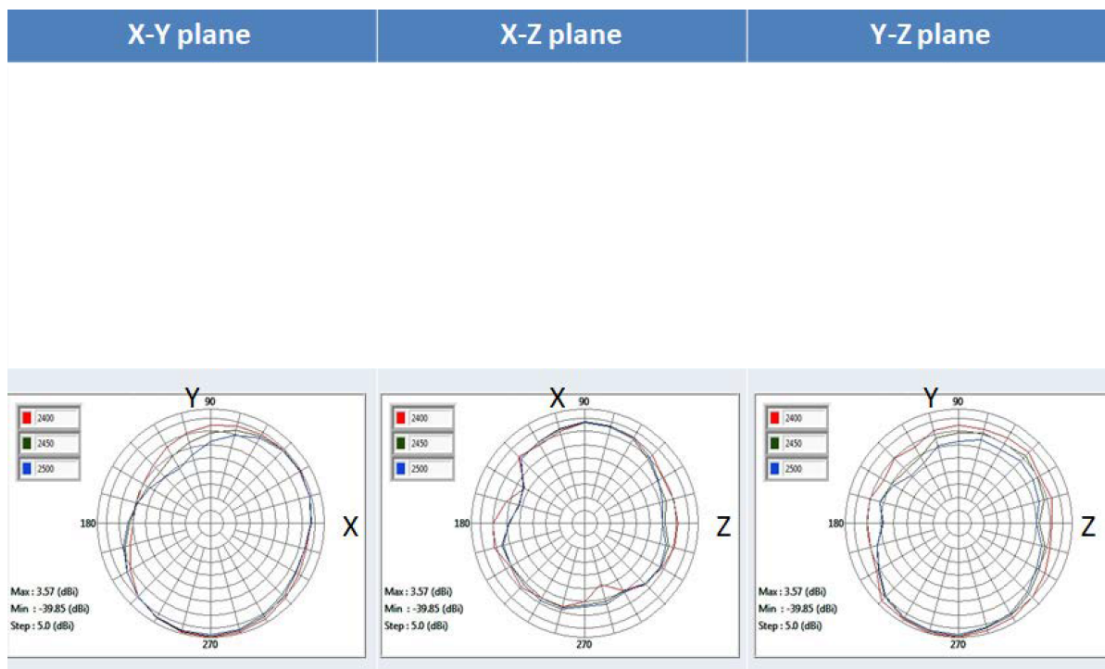
2D Patterns

1. Stethoscope Mode 5G



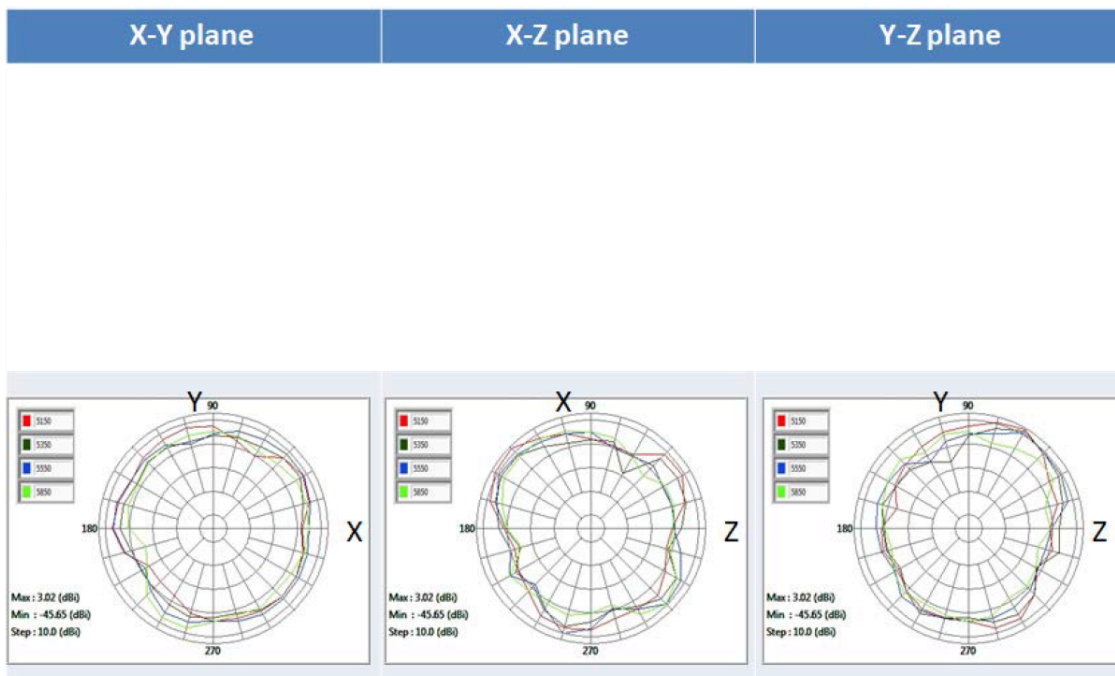
2D Patterns

2. Otoscope Mode 2.4G



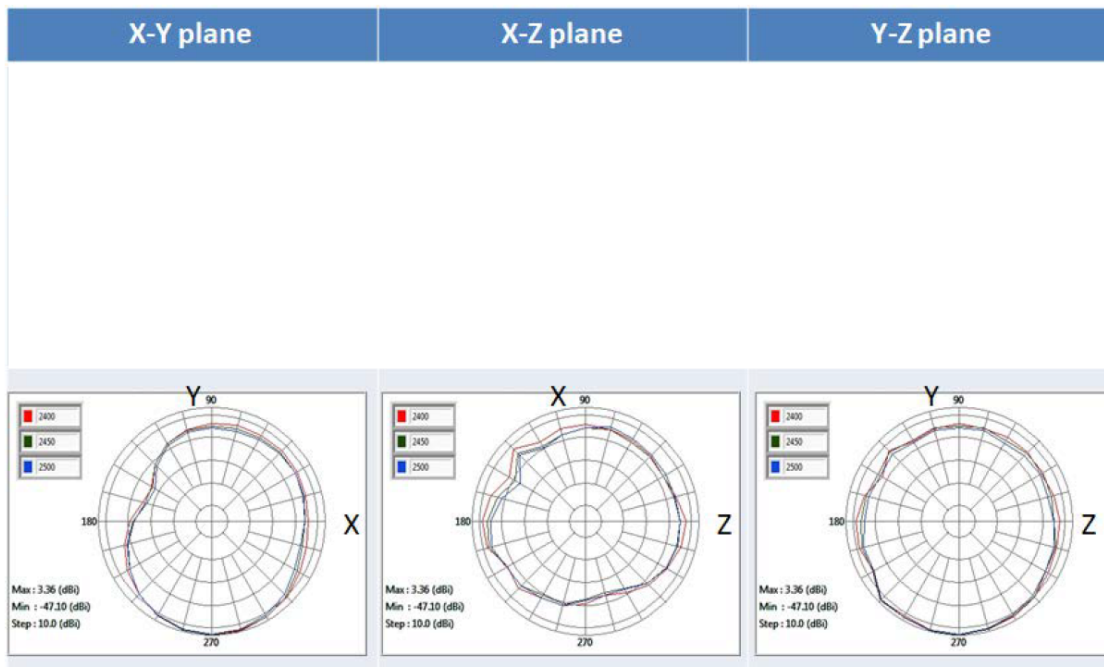
2D Patterns

2. Otoscope Mode 5G



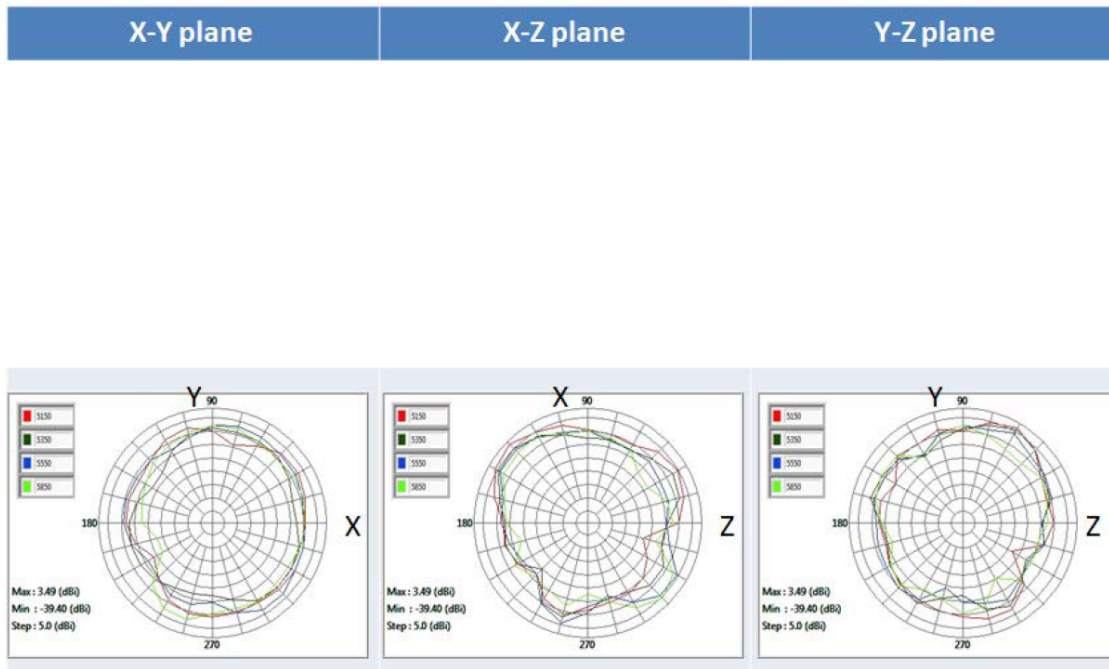
2D Patterns

3.Camera Mode 2.4G



2D Patterns

3.Camera Mode 5G



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