



深圳市安威无线科技有限公司

行业领先的一站式通信射频天线解决方案制造商

Shenzhen Anwei Wireless Technology Co., Ltd

L310 Test Report

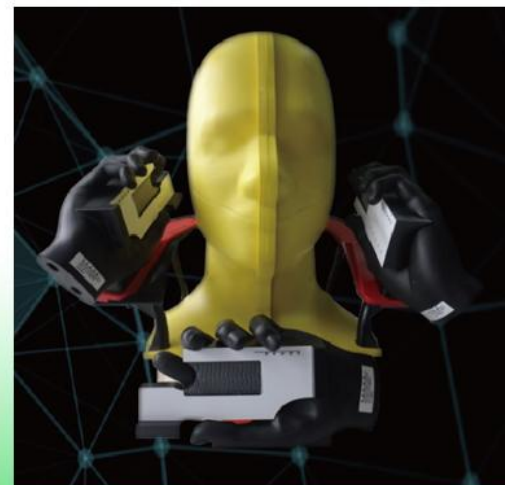
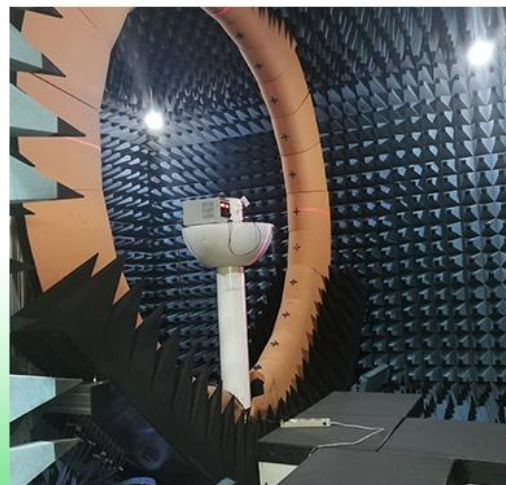
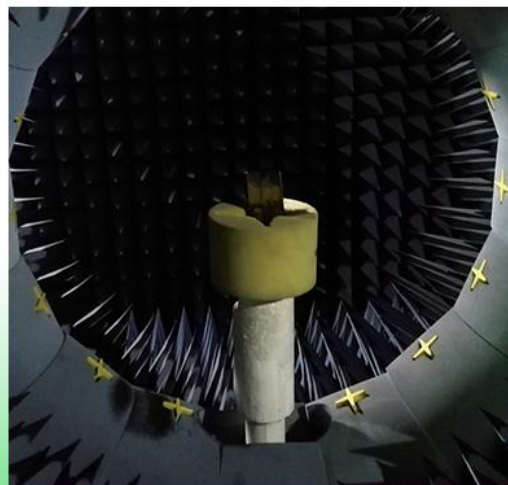
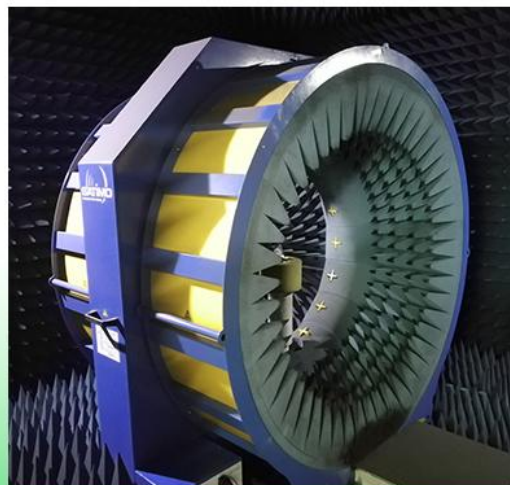
Anwei RF: Xulong

Mobile number: 15915343126

Address: 2nd Floor, Building 5, Hualian Industrial Park, Huaning Road, Dalang Street, Longhua District, Shenzhen

Time: 2025.7.2

携手共进 共创未来



安威无线一直都是您值得信赖且优秀的合作伙伴，我们为您提供全方位一站式的產品以及技術服務！

“質量第一，服務至上”是安威一直以來的發展宗旨

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Main antenna test data (free)

ANWEI ANT TRP&TIS parameter Summary of L240						
BAND	GSM900			DCS1800		
CHANNEL	1	62	124	512	698	885
TRP (dBm)	27. 26	27. 35	27. 34	24. 67	25. 16	25. 42
TIS (dBm)			-102. 9			-103. 3
BAND	GSM850			PCS1900		
CHANNEL	128	190	251	512	661	810
TRP (dBm)	25. 23	25. 76	26. 58	25. 48	25. 36	25. 27
TIS (dBm)			-102. 6			-102. 8
BAND	WCDMA2100			WCDMA850		
CHANNEL	10562	10700	10838	4132	4183	4233
TRP (dBm)	17. 62	17. 34	16. 58	16. 12	17. 13	17. 32
TIS (dBm)			-102. 7			-103. 2
BAND	WCDMA1900			WCDMA900		
CHANNEL	9262	9400	9538	2937	3013	3088
TRP (dBm)	17. 45	17. 49	17. 43	17. 32	17. 26	17. 31
TIS (dBm)			-102. 8			-102. 5

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Main antenna test data (free)

ANWEI ANT TRP&TIS parameter Summary of L240						
BAND	FDD-1			FDD-2		
CHANNEL	18100	18300	18500	18650	18900	19150
TRP (dBm)	18. 13	17. 52	17. 24	17. 32	17. 36	17. 49
TIS (dBm)			-90. 51			-91. 87
BAND	FDD-3			FDD-4		
CHANNEL	19250	19575	19900	20000	20175	20350
TRP (dBm)	17. 42	17. 51	17. 48	17. 45	17. 59	17. 61
TIS (dBm)			-90. 36			-91. 68
BAND	FDD-5			FDD-7		
CHANNEL	20450	20525	20600	20800	21100	21400
TRP (dBm)	16. 23	17. 21	17. 48	17. 32	17. 36	17. 28
TIS (dBm)			-90. 23			-91. 12
BAND	FDD-8			FDD-12		
CHANNEL	21500	21625	21750	23780	23790	23800
TRP (dBm)	17. 41	17. 32	17. 36	11. 28	11. 53	11. 69
TIS (dBm)			-89. 45			-86. 23

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Main antenna test data (free)

ANWEI ANT TRP&TIS parameter Summary of L240						
BAND	FDD-20			FDD-28A		
CHANNEL	24200	24300	24400	27260	27370	27469
TRP (dBm)	17. 23	17. 36	17. 48	11. 62	11. 75	12. 16
TIS (dBm)			-88. 69			-87. 61
BAND	FDD-28B			TDD-34		
CHANNEL	27410	27510	27600	36250	36275	36300
TRP (dBm)	11. 47	12. 68	13. 28	17. 23	17. 63	17. 42
TIS (dBm)			-87. 68			-88. 87
BAND	TDD-38			TDD-39		
CHANNEL	37850	38000	38150	38350	38450	38550
TRP (dBm)	17. 38	17. 38	17. 32	17. 52	17. 61	17. 41
TIS (dBm)			-89. 67			-90. 32
BAND	TDD-40			TDD-41		
CHANNEL	38750	39150	39550		40620	
TRP (dBm)	17. 45	17. 52	17. 59		17. 21	
TIS (dBm)			-89. 67		-88. 65	

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Main antenna test data (free)

ANWEI ANT TRP&TIS parameter Summary of L240						
BAND	CDMA					
CHANNEL	1013	384	777			
TRP (dBm)	16. 54	17. 36	17. 46			
TIS (dBm)			-101. 2			
BAND						
CHANNEL						
TRP (dBm)						
TIS (dBm)						

GPS

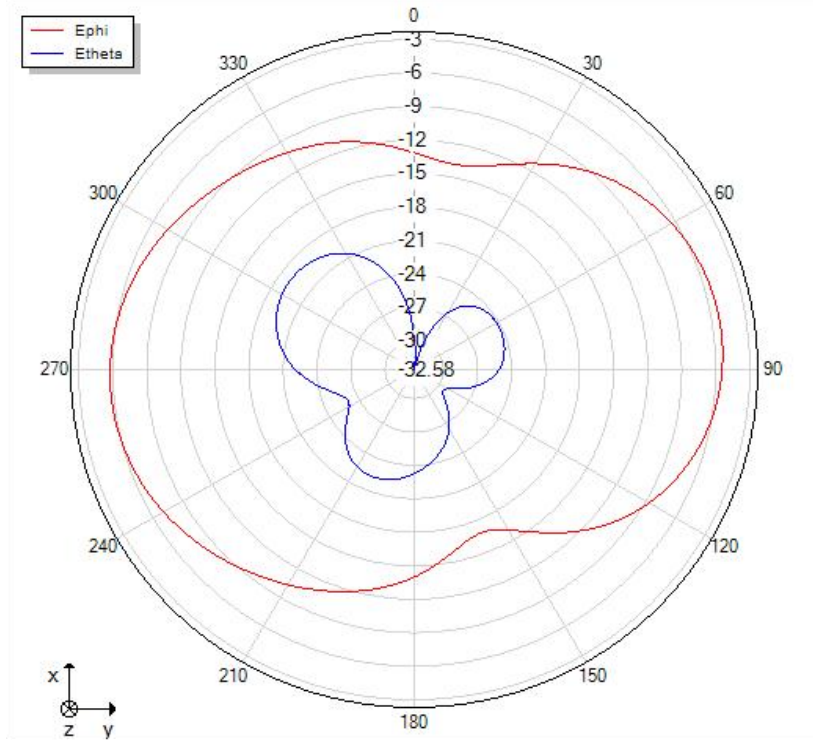
testing item	test result
Total number of search stars	seven
In terms of the number of satellites used	seven
Maximum SNR value	forty-one
SNR $\geq$ 40 stars	three
Cold start positioning time	48 seconds

WIFI

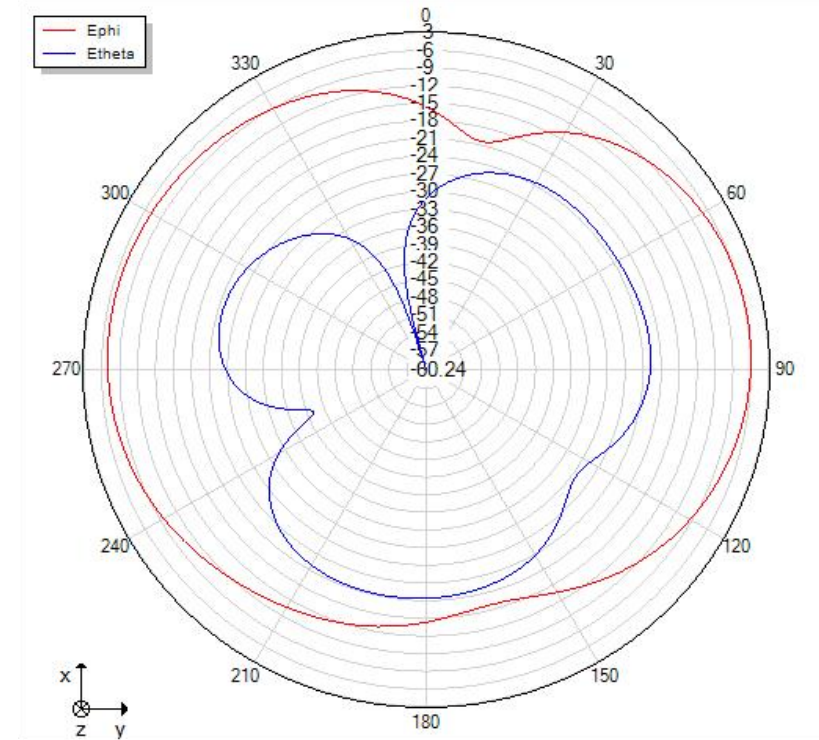
Standard	Band	Channel	Frequency	TRP	TIS
WIFI_B	B_11M	1	2412	11.23	-81.23
WIFI_B	B_11M	6	2437	11.16	-81.06
WIFI_B	B_11M	11	2462	11.35	-81.54
WIFI_A	A_54M	36	5180	10.23	-71.32
WIFI_A	A_54M	64	5320	12.18	-73.61
WIFI_A	A_54M	165	5745	12.56	-72.59

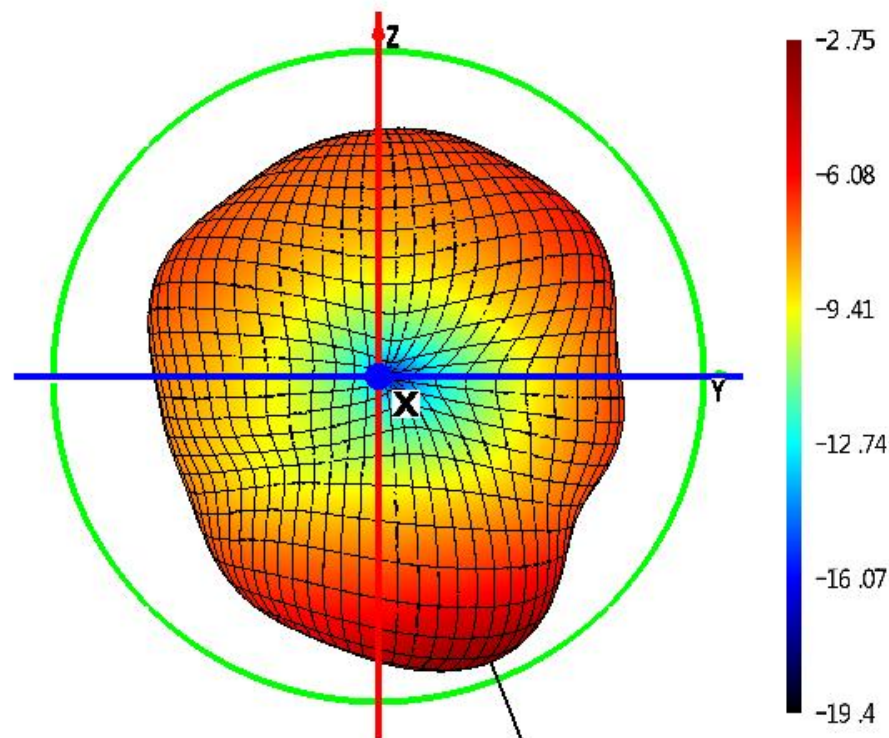
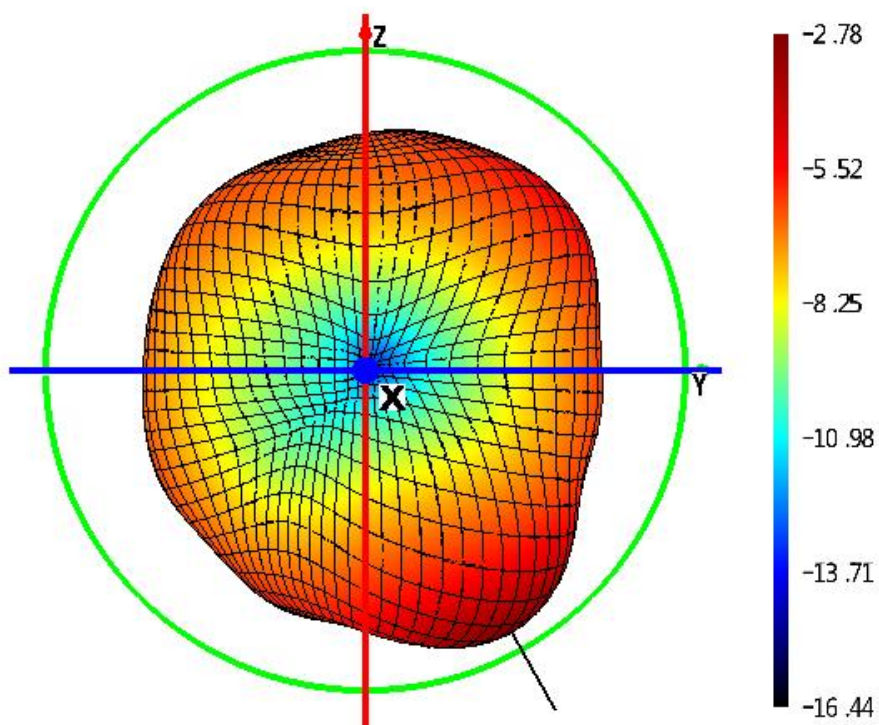
Gain		
频段 Band	gain 增益(dBi)	
LTE-B28	-9.15	703–748MHz
GSM850,WCDMA-B5 LTE-B5/B20	-3.2	824-862MHz
GSM900,WCDMA-B8,LTE-B8	-2.82	880-915MHz
DCS1800,LTE-B3/4,WCDMA-B4,	1.86	1710-1785MHZ
PCS1900,WCDMA-B2,LTE-B2/B39	2.44	1850-1910MHz
WCDMA-B1,LTE-B1/B34	1.97	1920-1980MHz
LTE-B7/B38/B41,	2.56	2496–2690MHz
LTE-B40	2.32	2300–2400MHz
NFC		13.56MHz
GPS	2.3	1575MHZ
2.4G WIFI/BT	1.5	2400-2500MHz
5G WIFI	1.2	5150-5850MHz

Theta=90 freq=700MHz

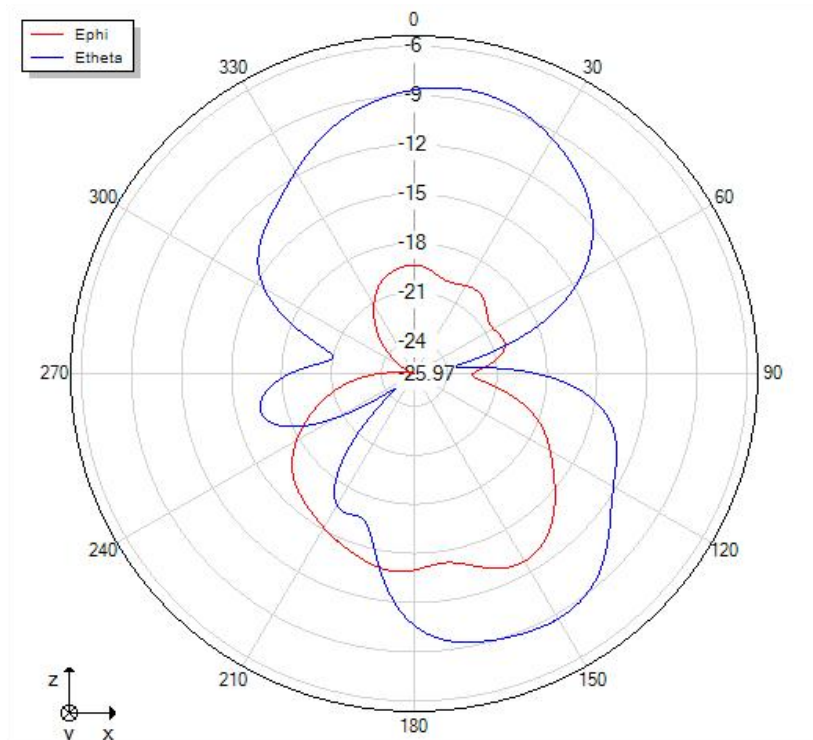


Theta=90 freq=760MHz

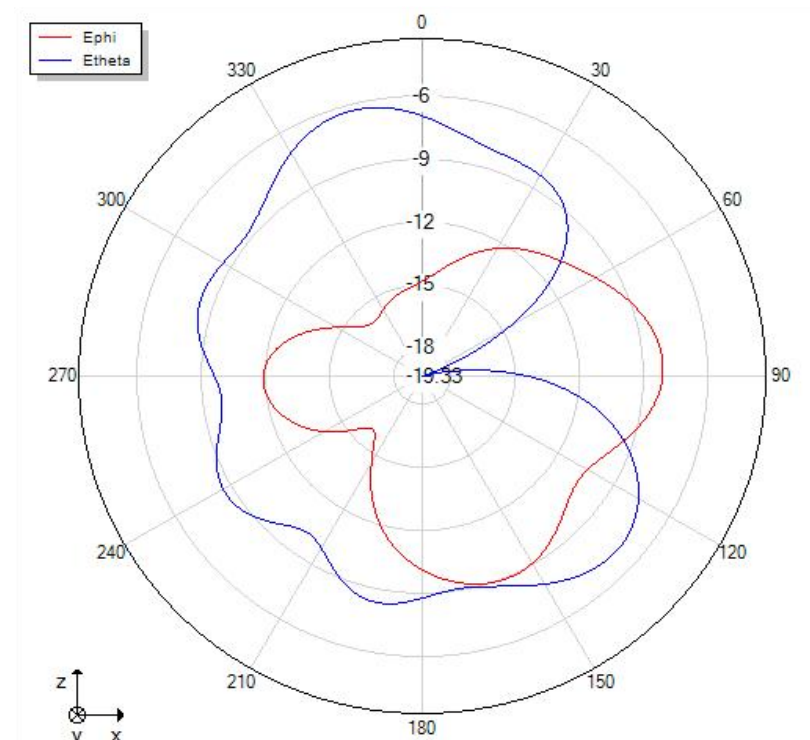


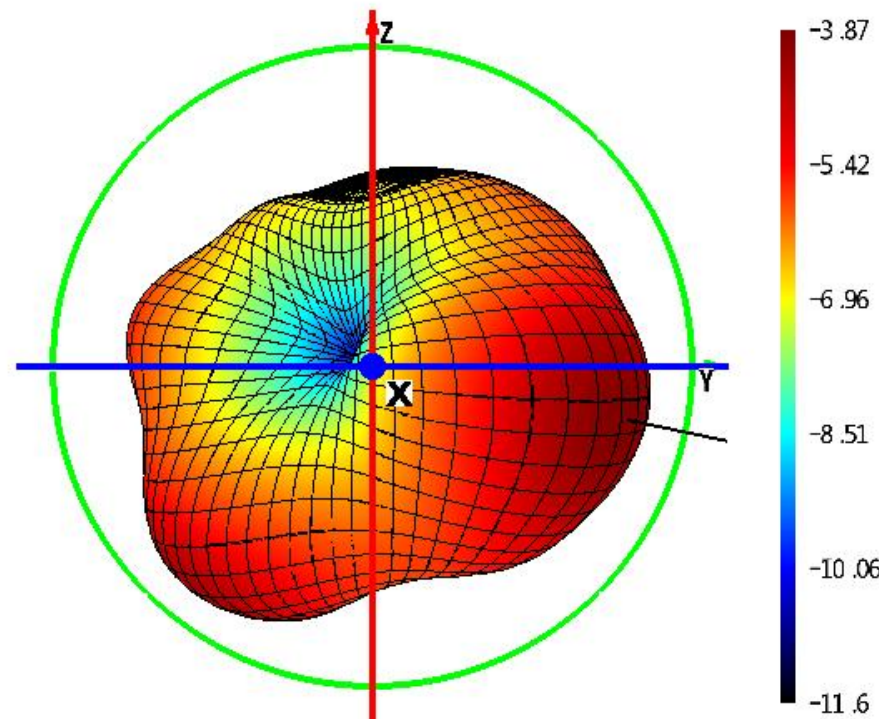
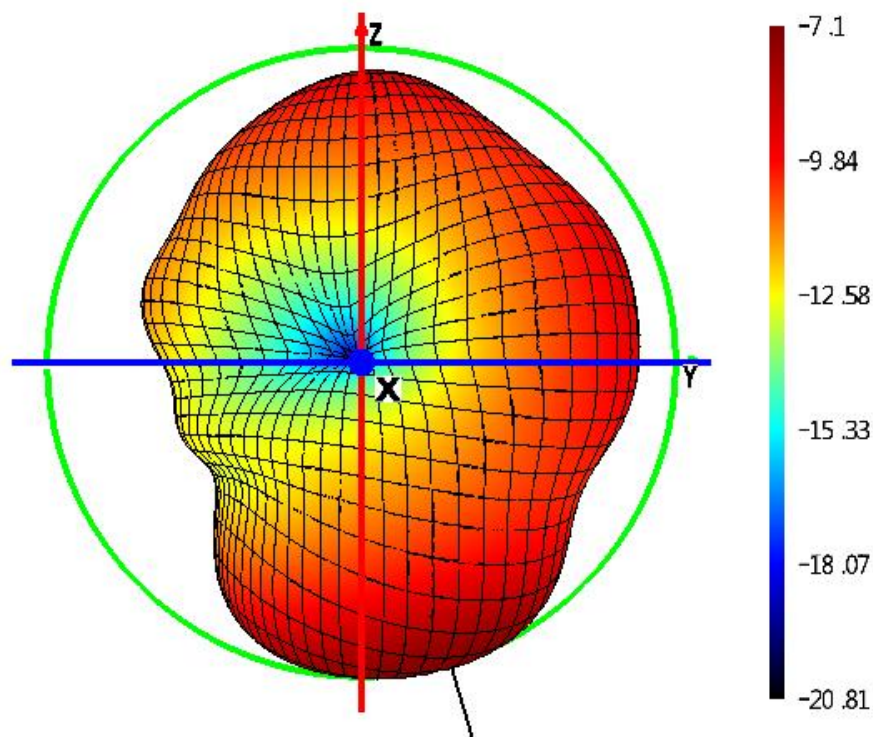


Phi=0 freq=800MHz

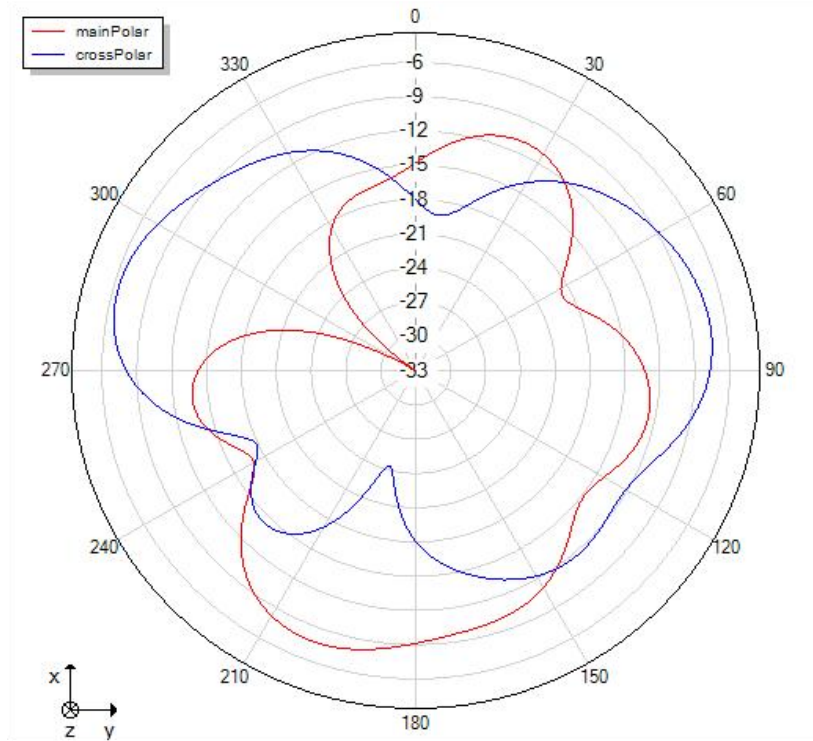


Phi=0 freq=850MHz

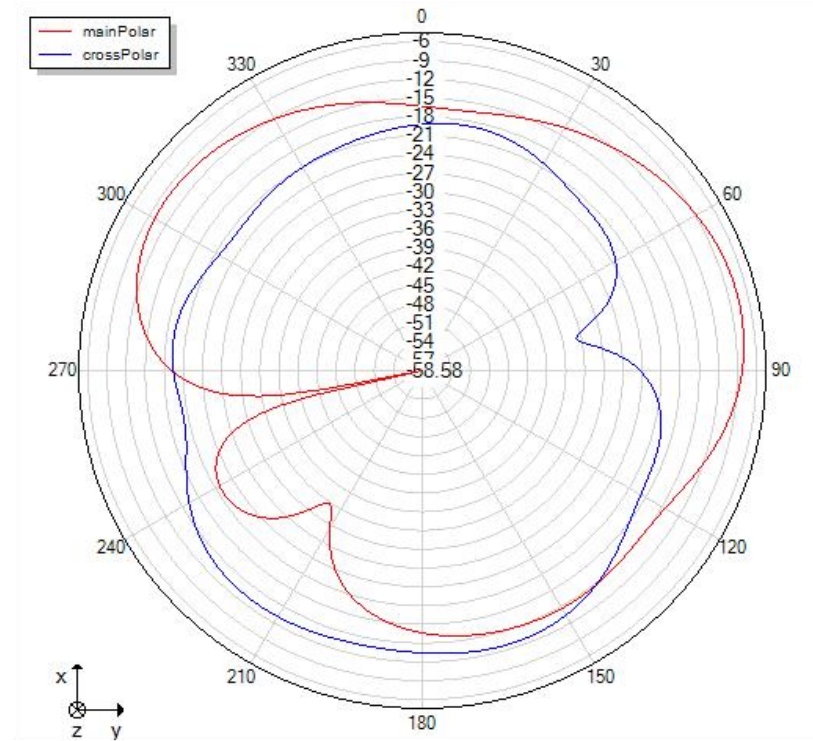


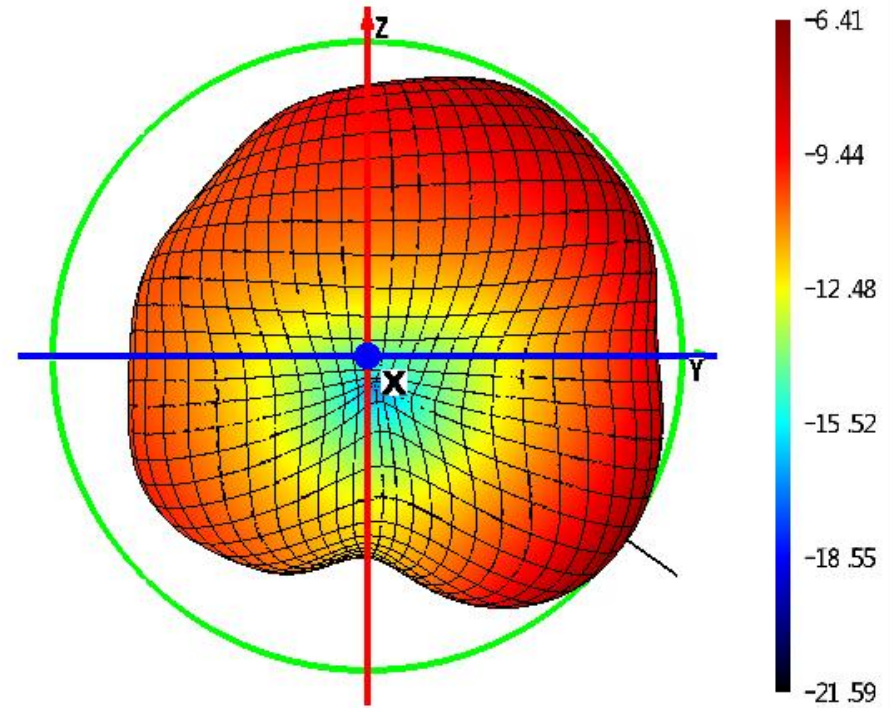
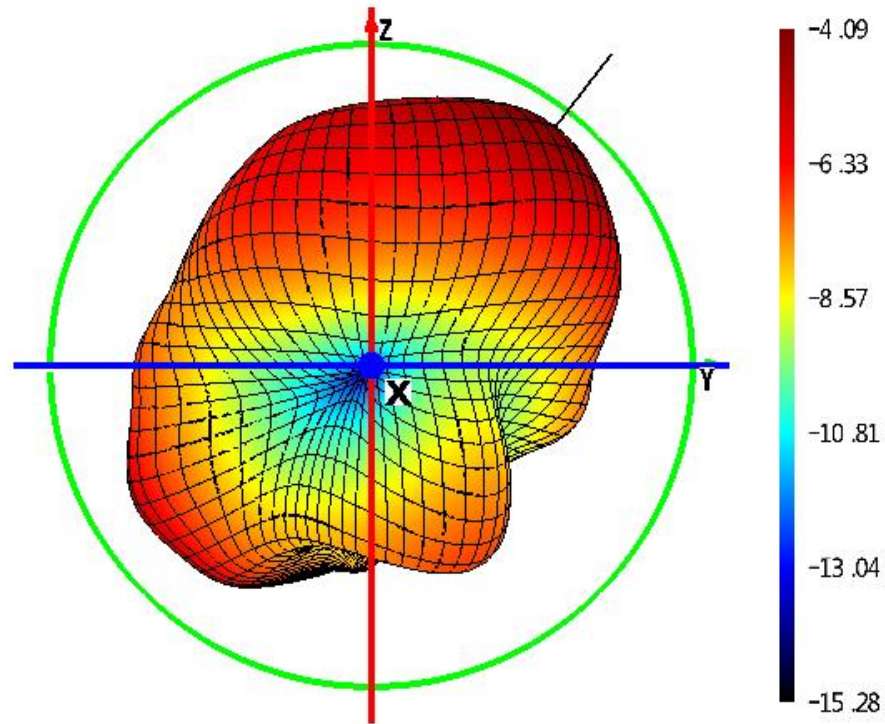


Theta=90 freq=900MHz

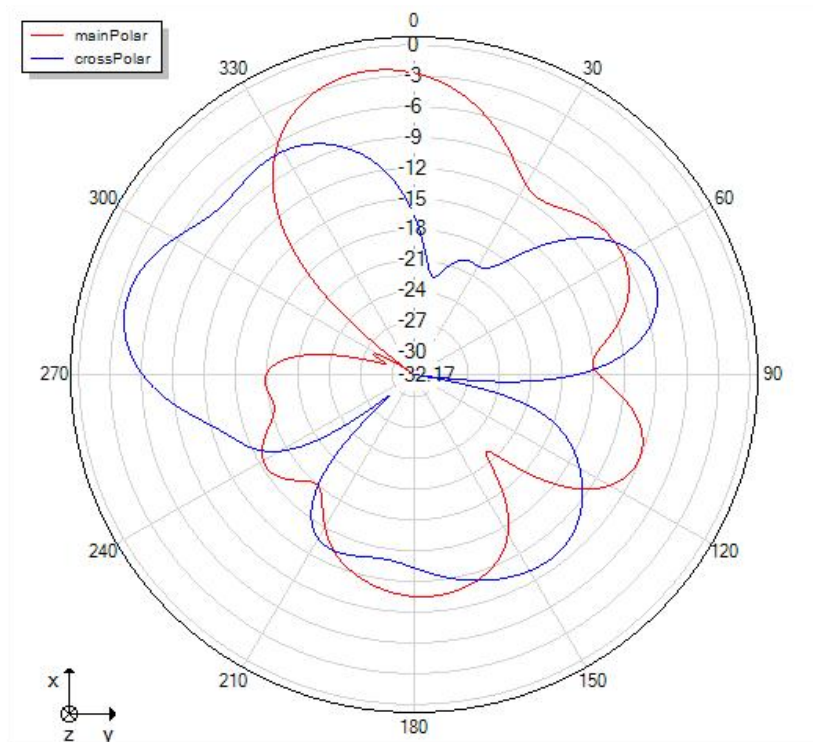


Theta=90 freq=980MHz

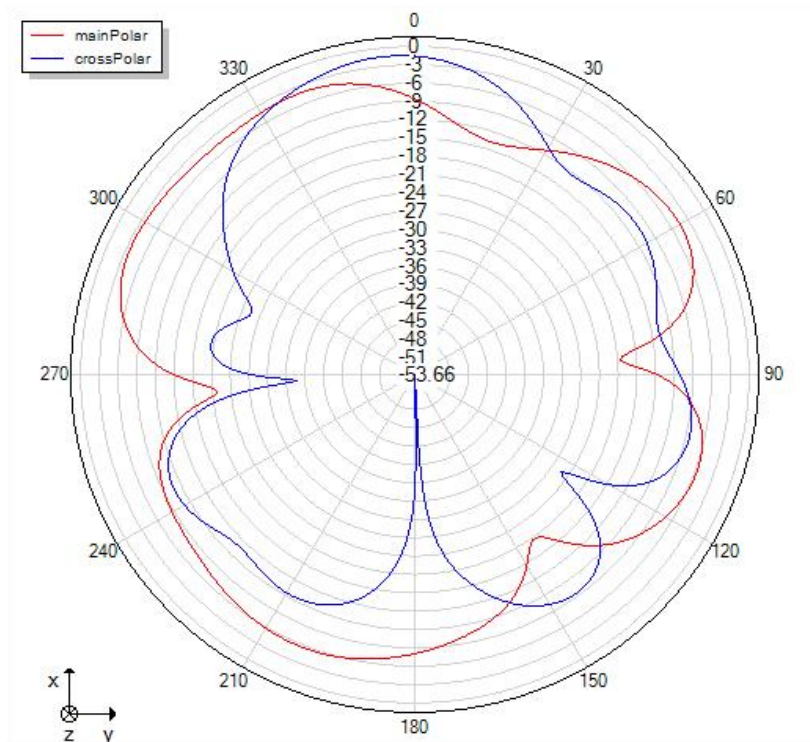


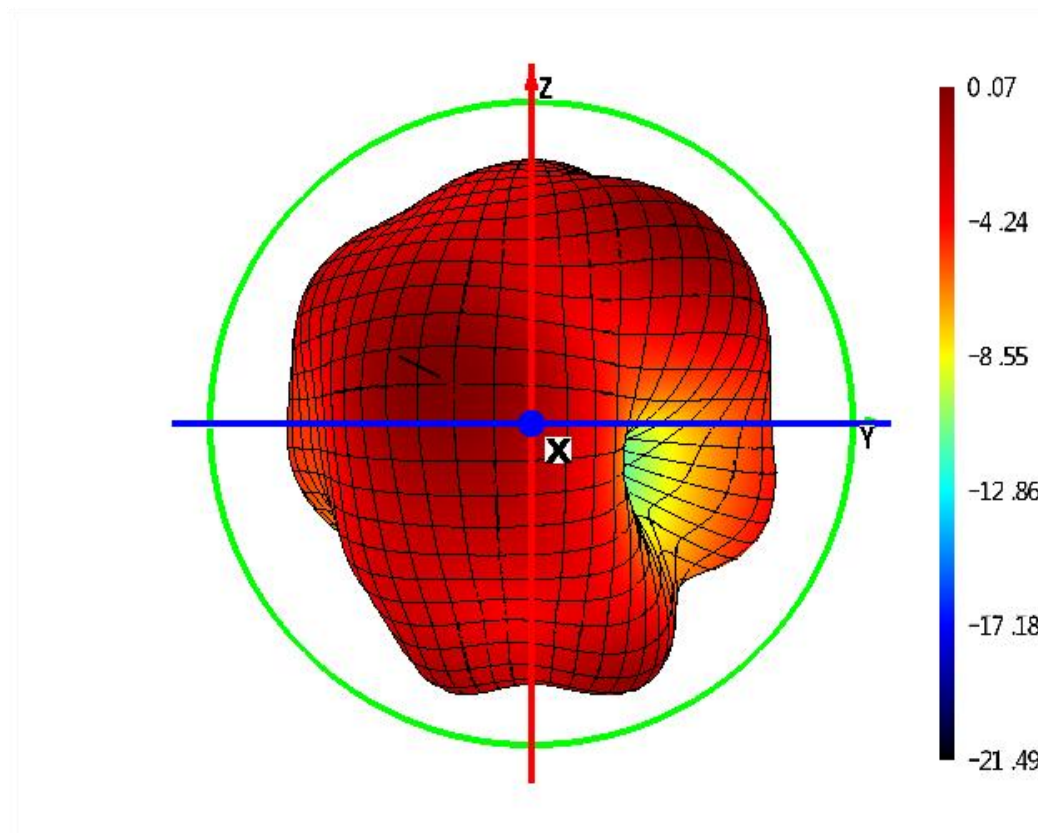
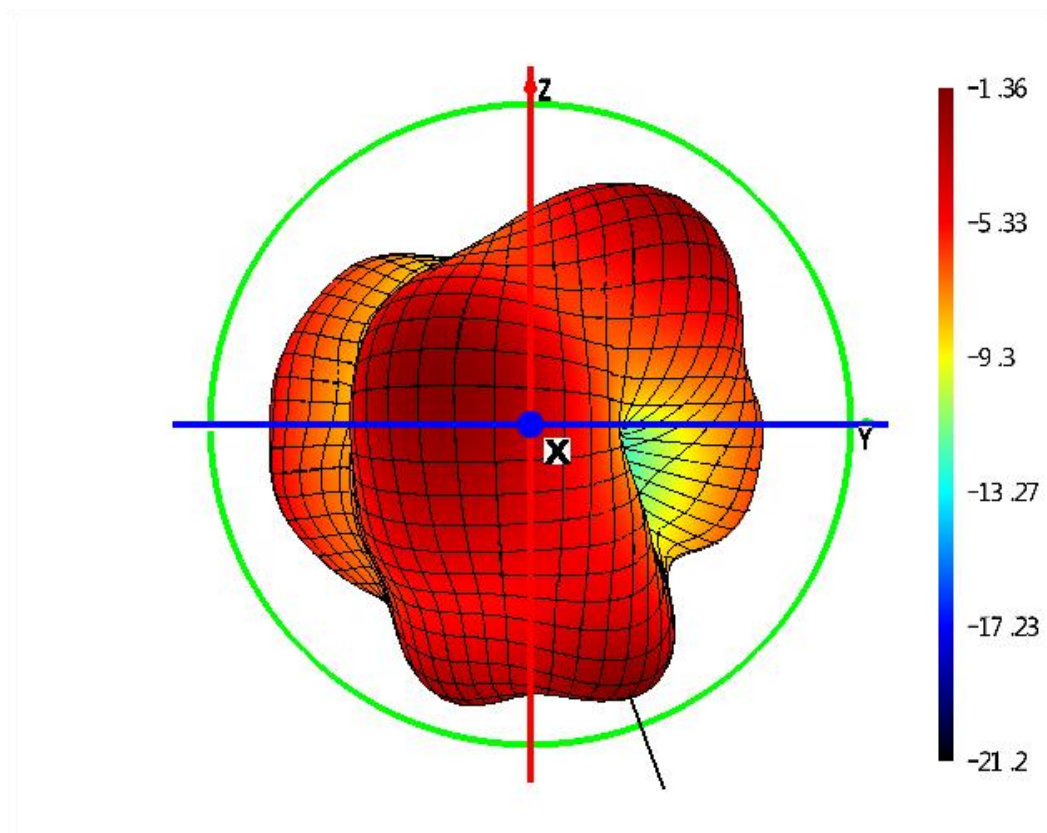


Theta=90 freq=1700MHz

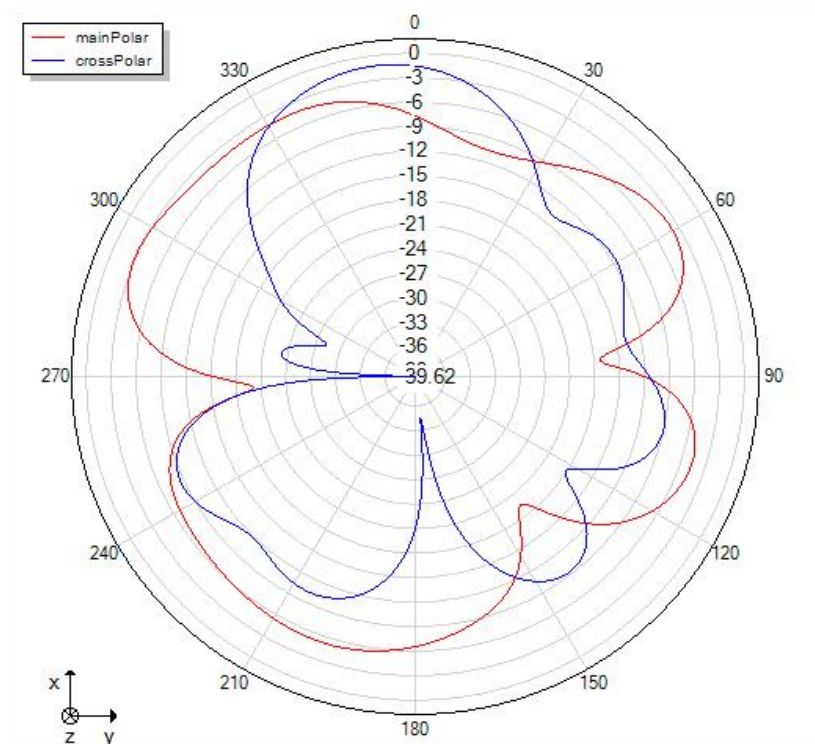


Theta=90 freq=1860MHz

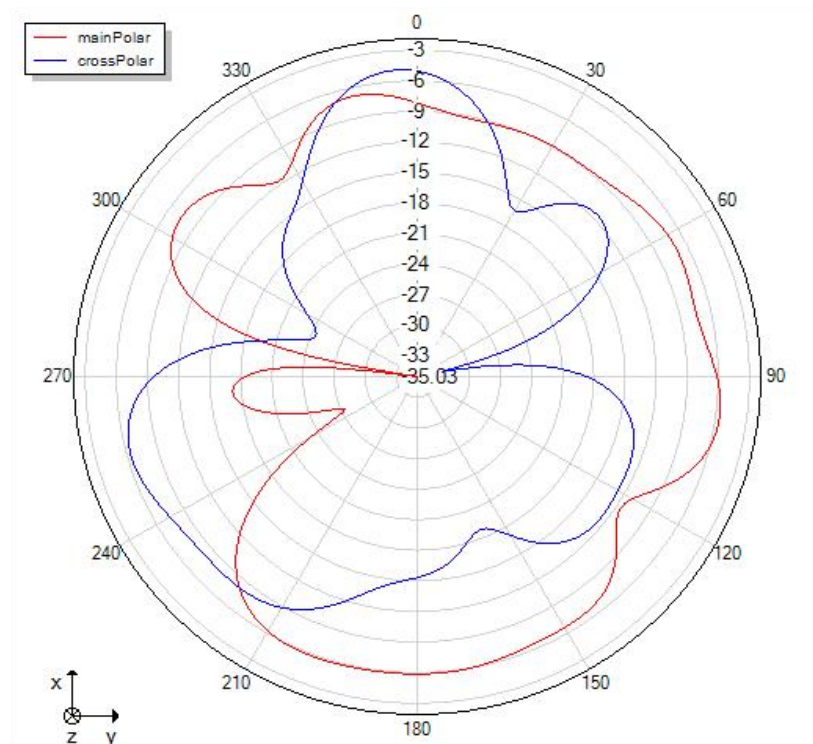


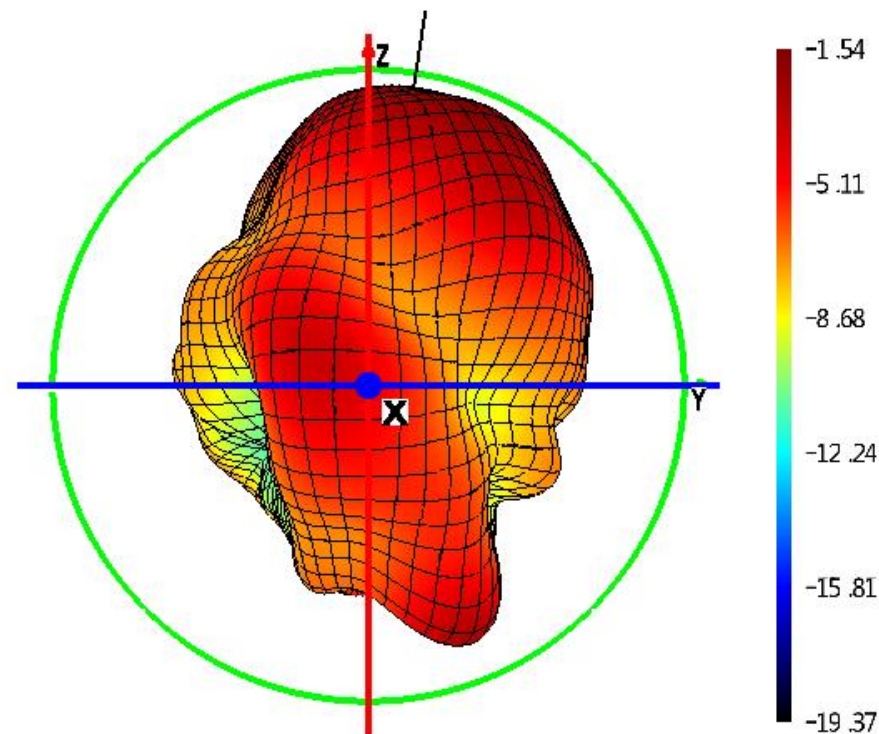
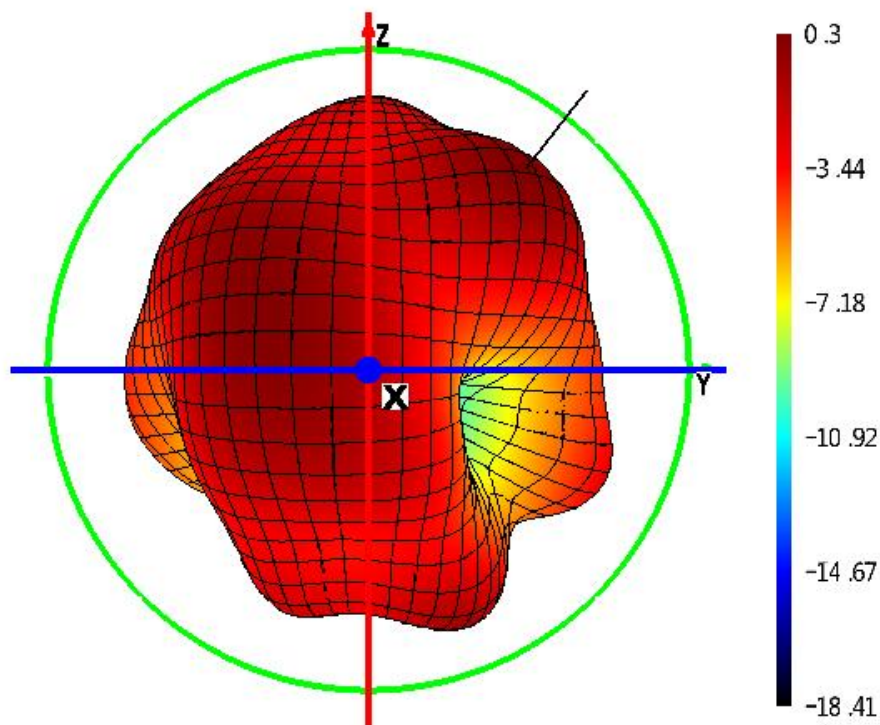


Theta=90 freq=1900MHz

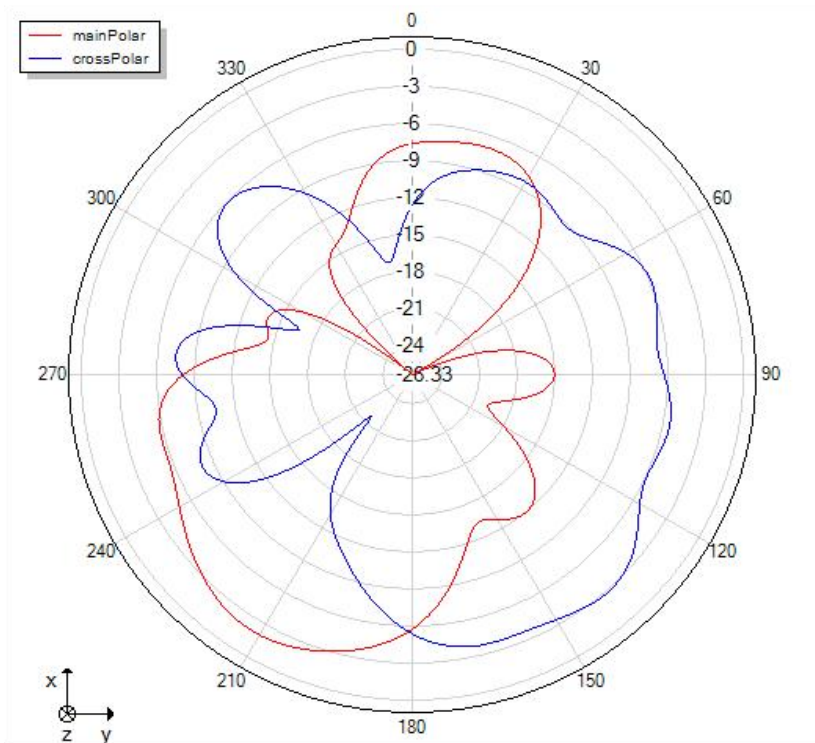


Theta=90 freq=2100MHz

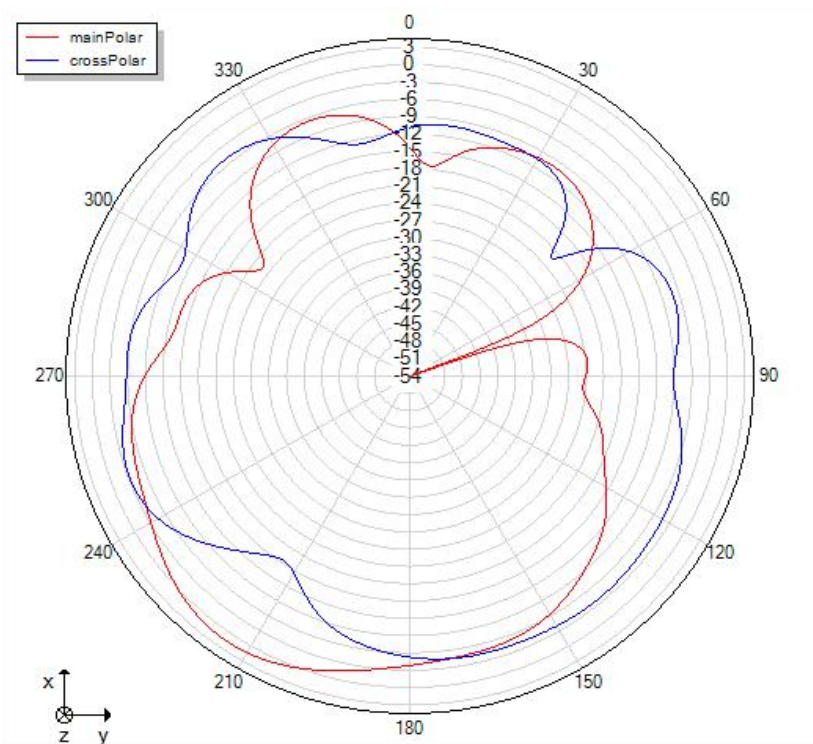


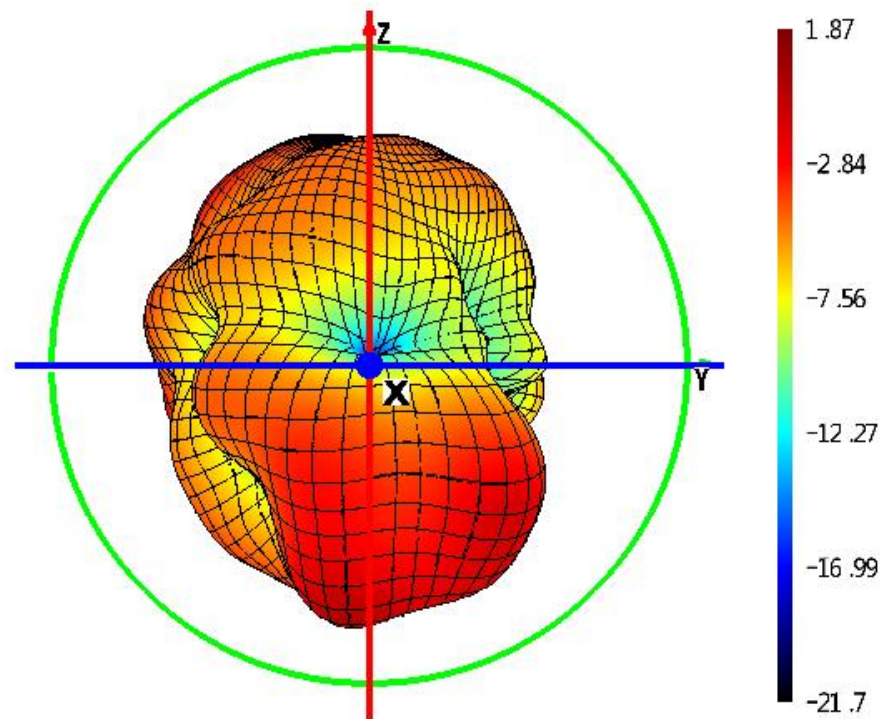
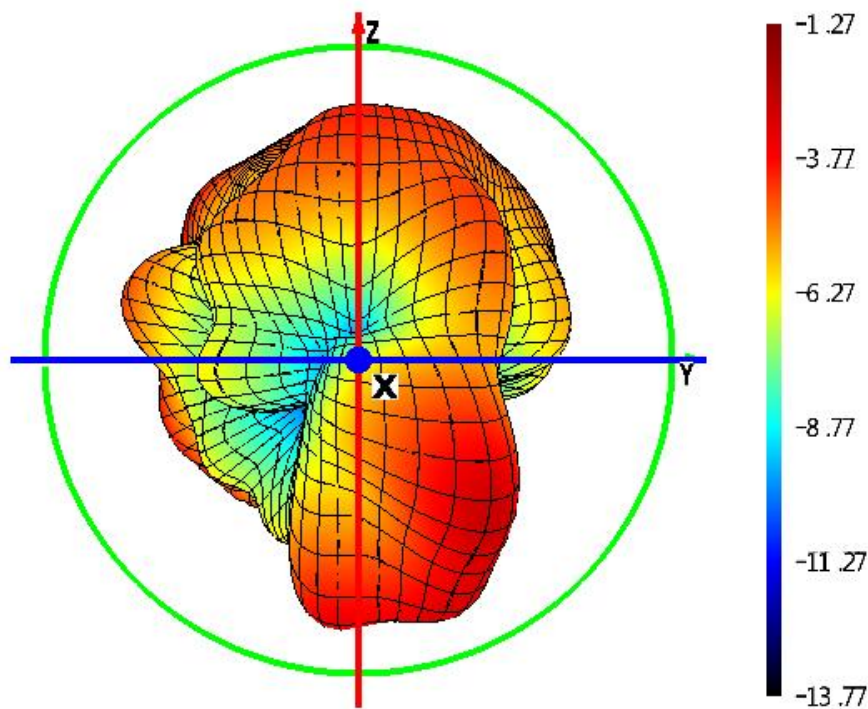


Theta=90 freq=2300MHz

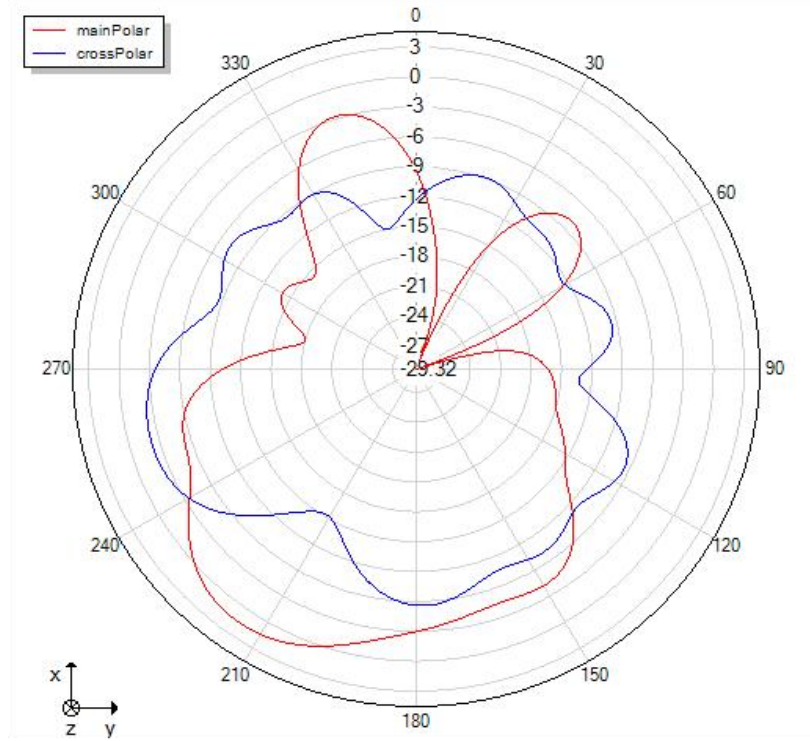


Theta=90 freq=2400MHz

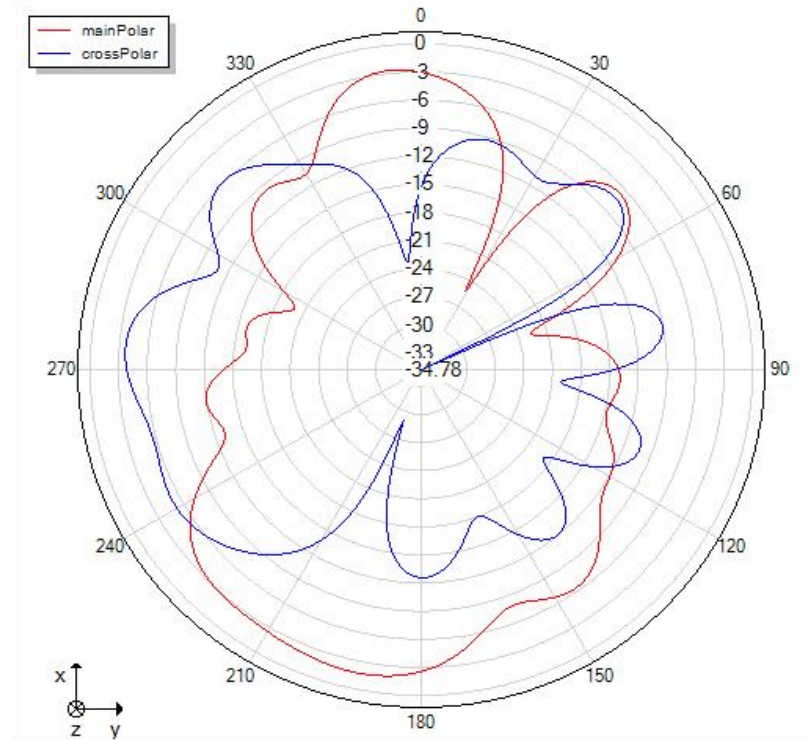


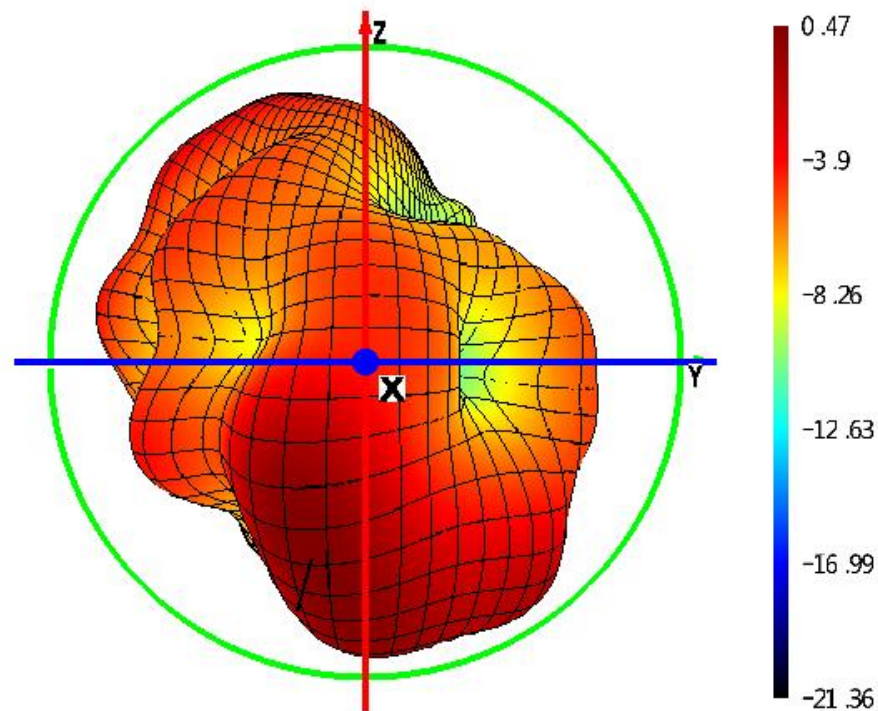
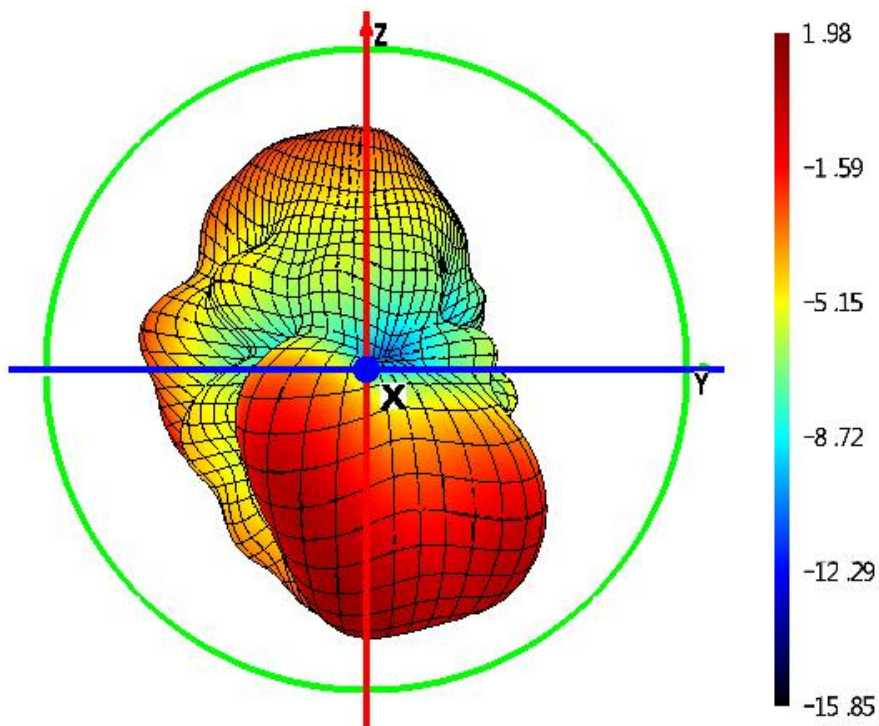


Theta=90 freq=2500MHz

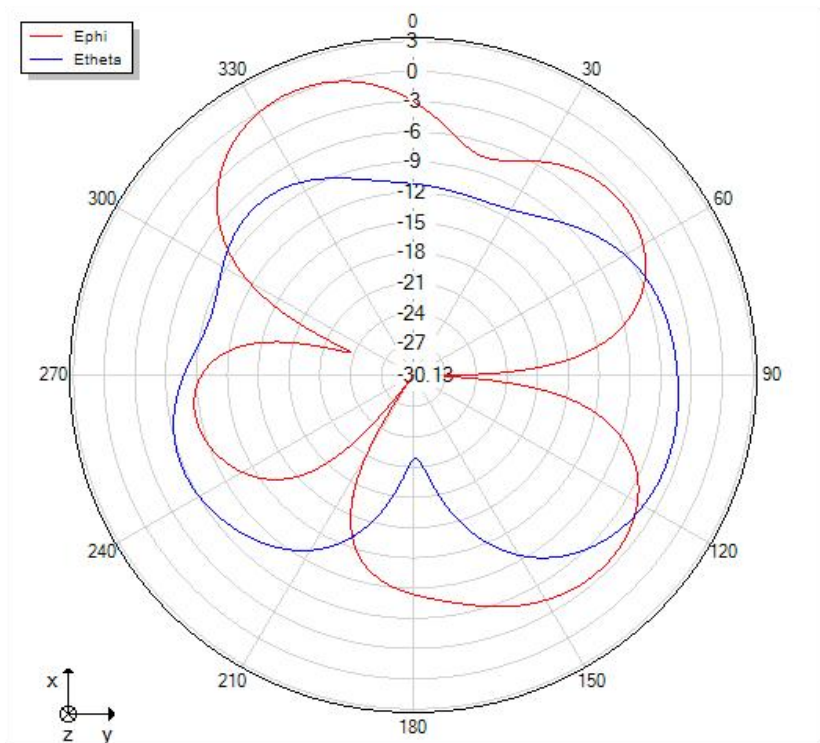


Theta=90 freq=2700MHz

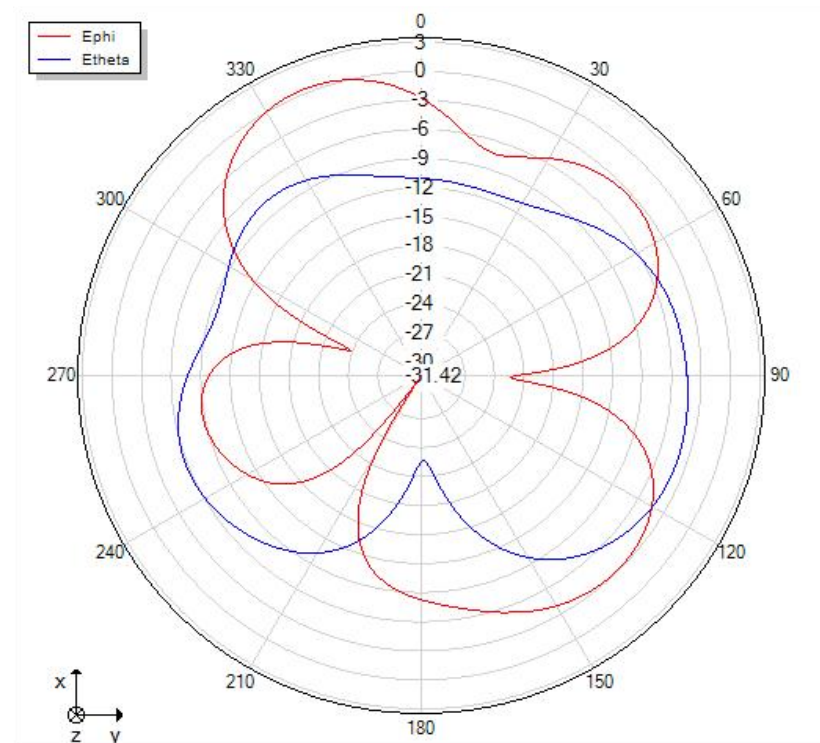


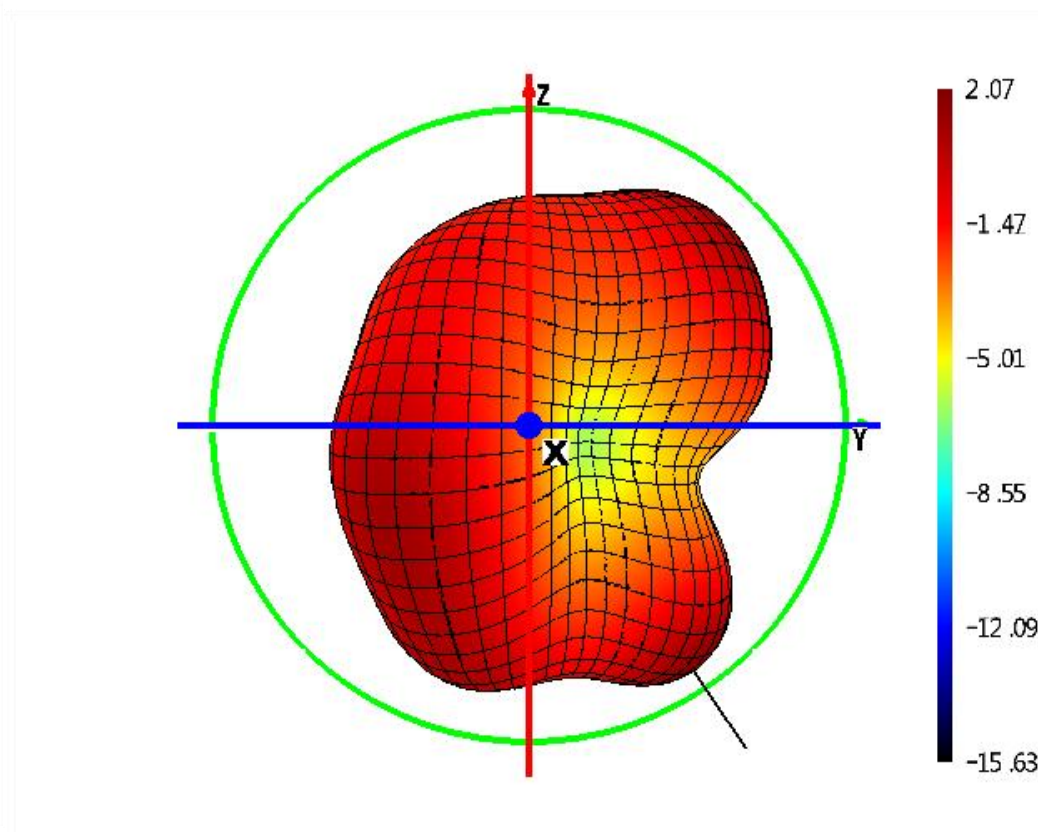
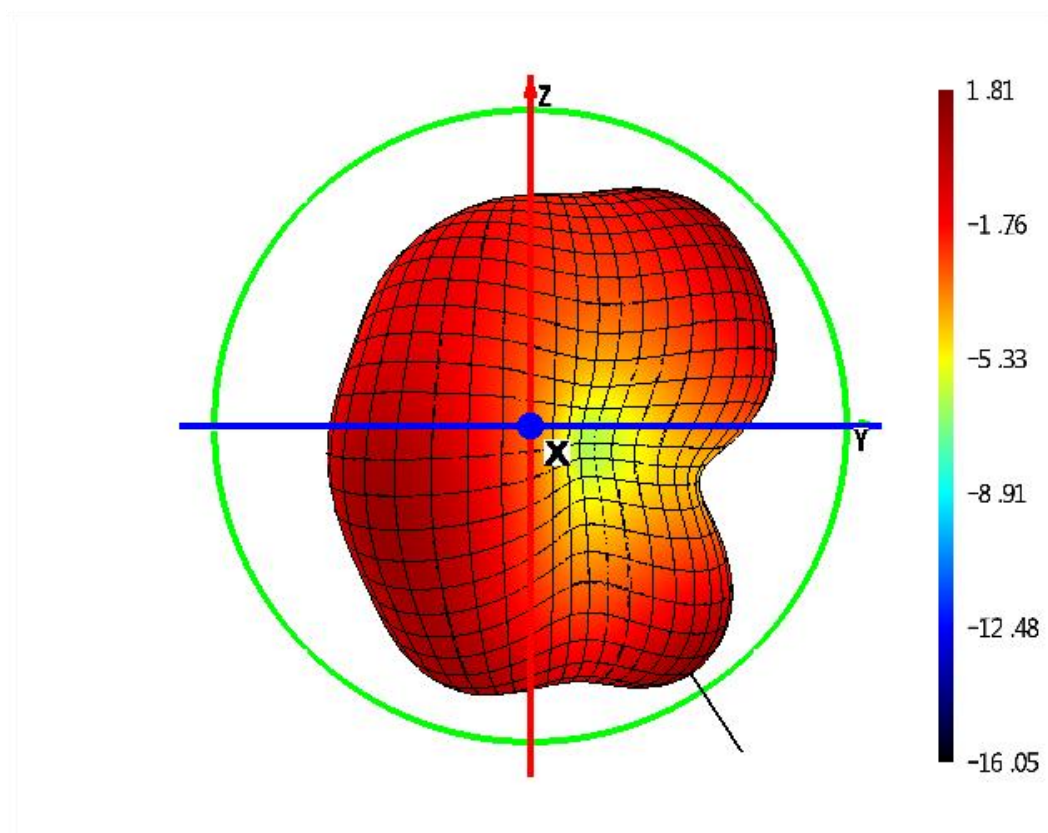


Theta=90 freq=1570MHz

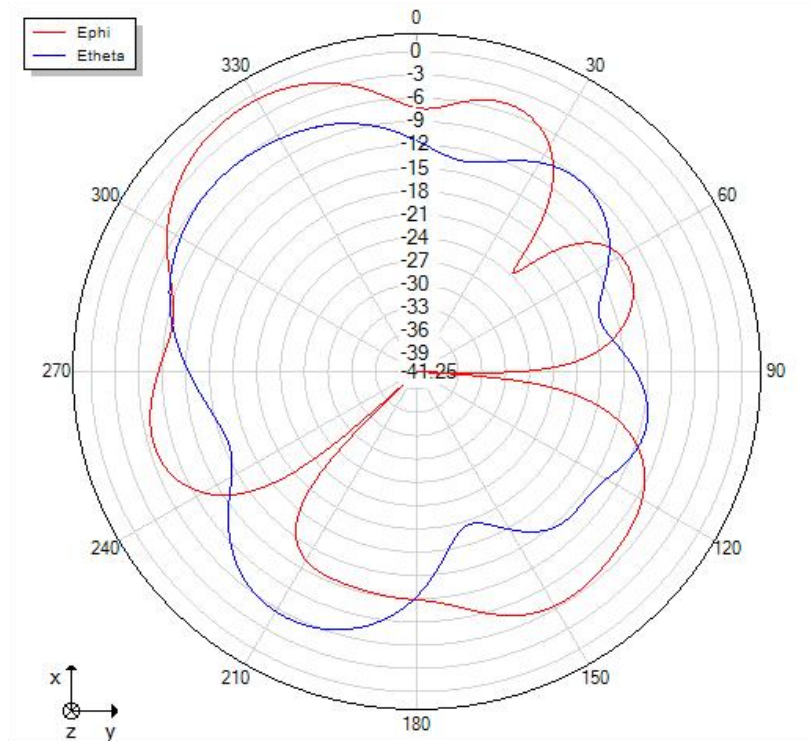


Theta=90 freq=1575MHz

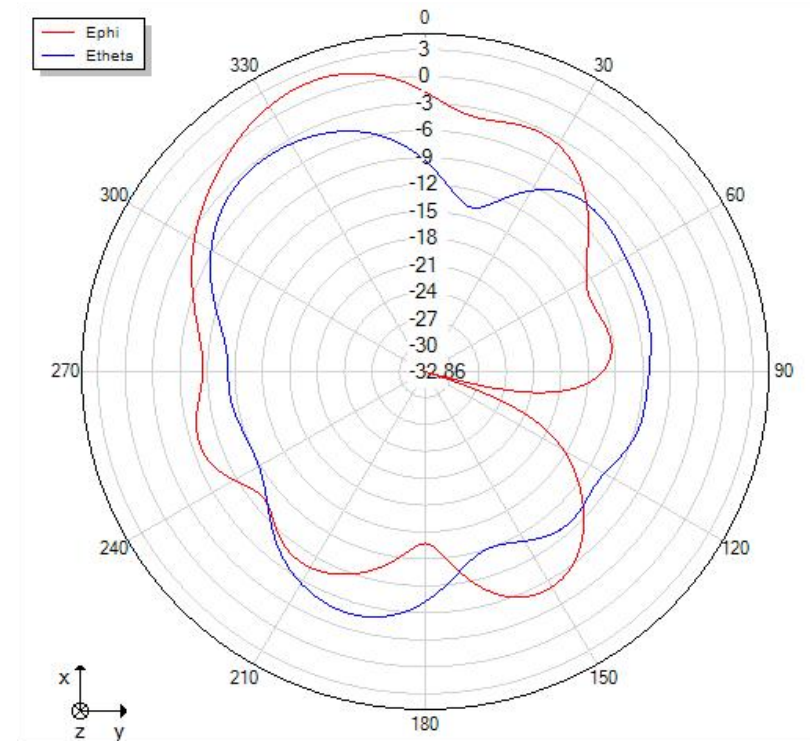


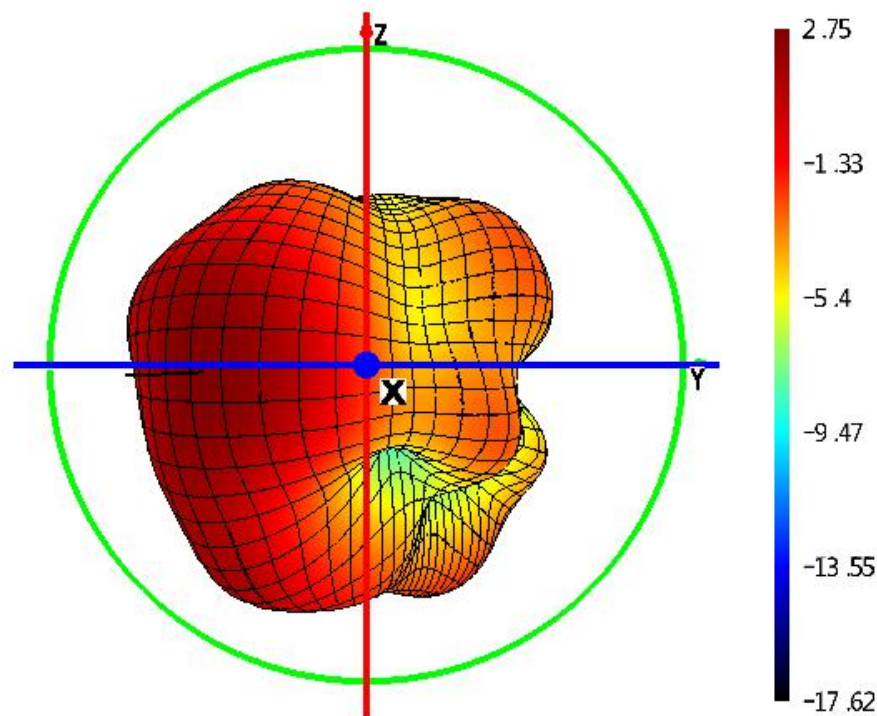
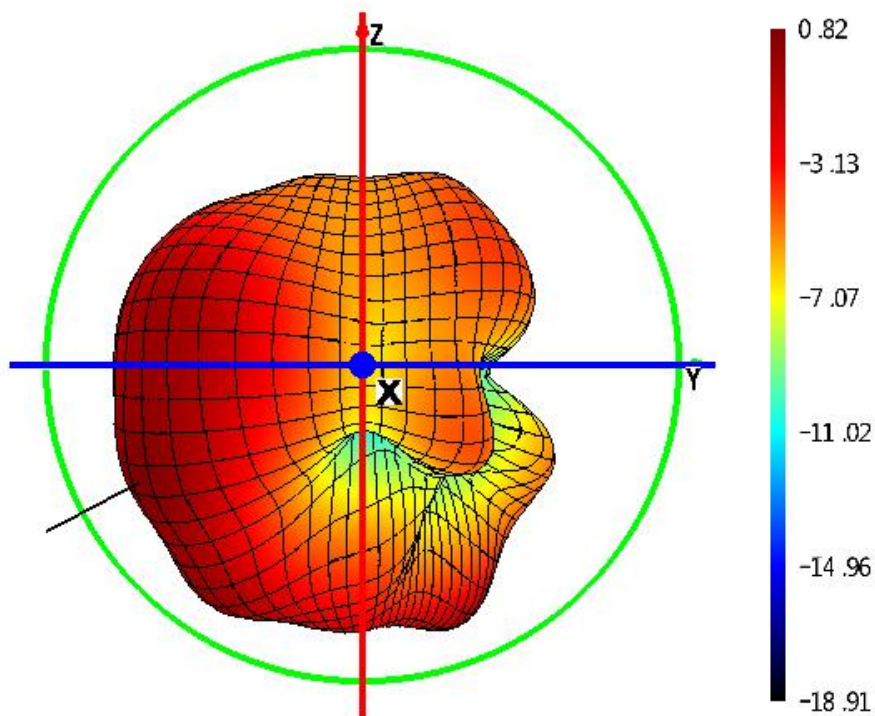


Theta=90 freq=2400MHz

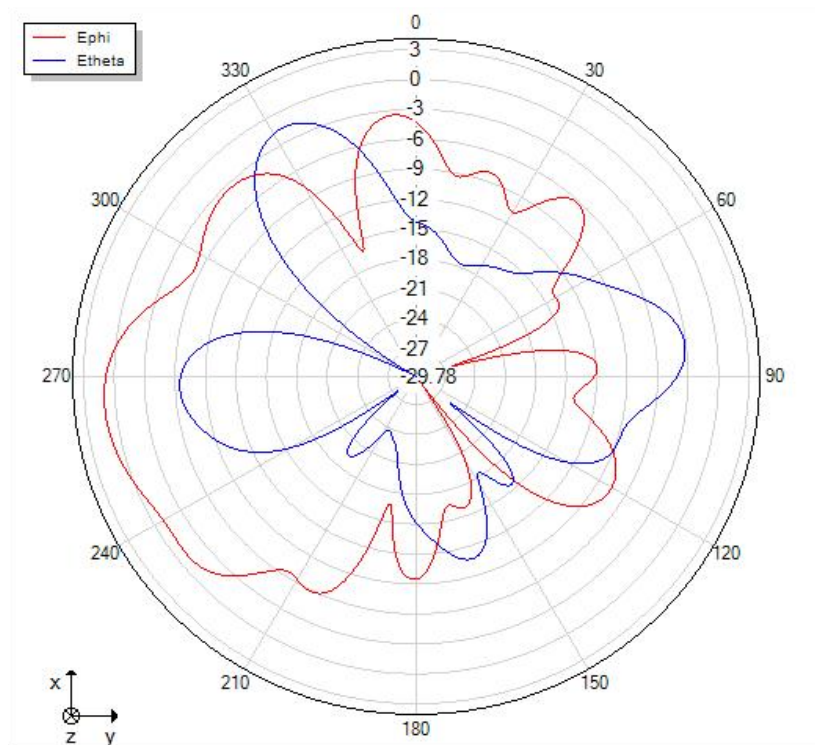


Theta=90 freq=2500MHz

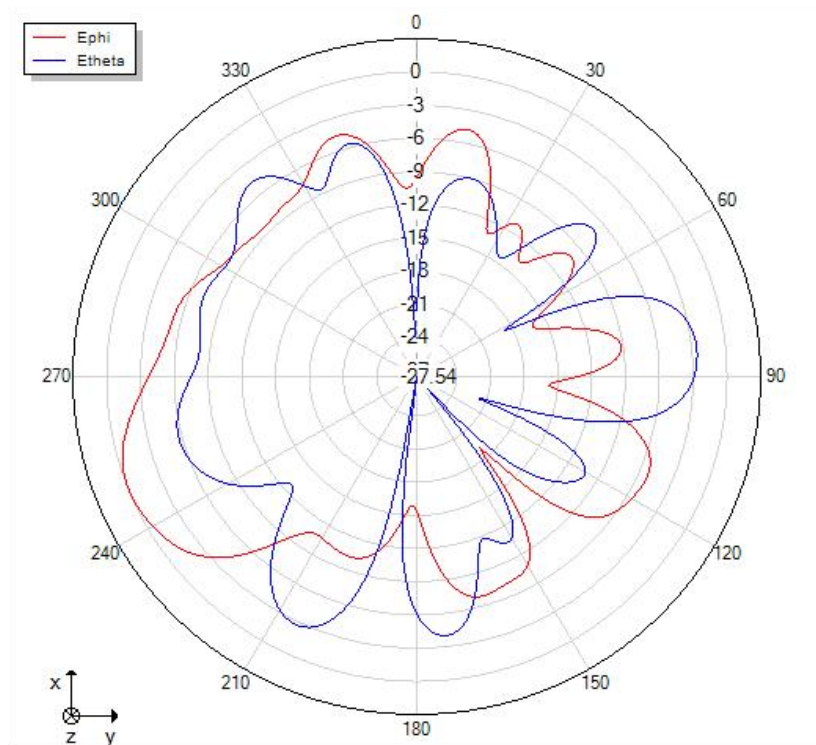


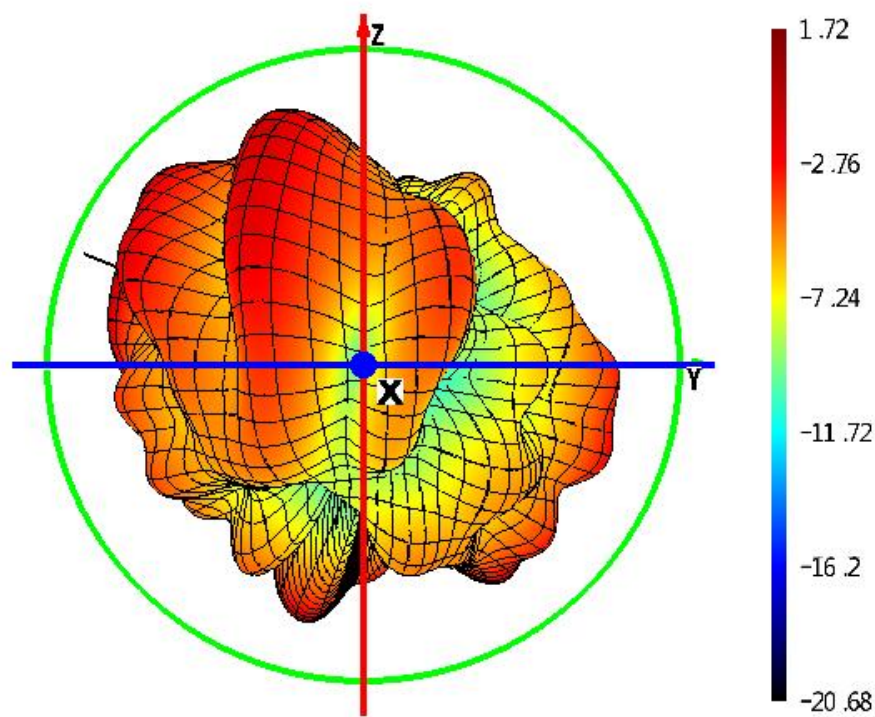
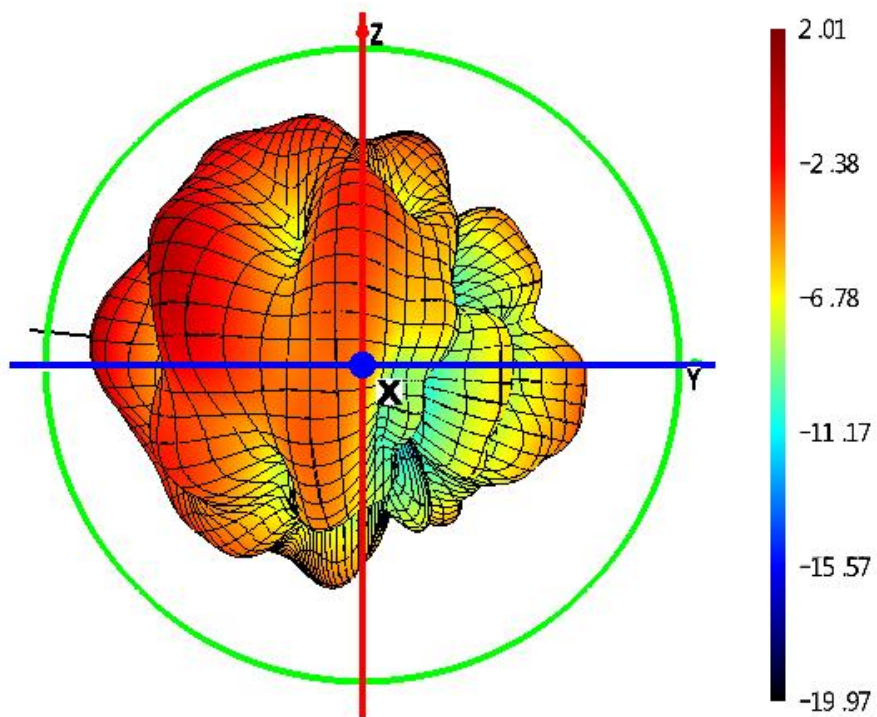


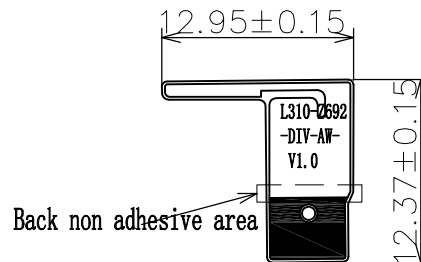
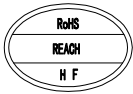
Theta=90 freq=5100MHz



Theta=90 freq=5800MHz







1. Material: A pair of semi-electrolytic copper substrates, using environmentally friendly manufacturing process, in line with ROHS requirements.
2. Gold plating: NI:1-2um AU:min0.5u" Ink: Halogen-free ink.
3. Duct tape: 3M9471.
4. With "*" dimensions as the key dimensions.
5. The surface has no defects such as crushing, scratches, oil stains, spots, etc.
6. The drawing size is used to check the appearance, function and assembly.
7. This graphic file is an internally controlled document, and it is strictly prohibited to spread in any form without our permission.

Shenzhen Anwei Wireless Technology Co., Ltd.



unit: MM

Model:L310-Z692

date: 2024-03-29

General tolerance:

Part No: AW006-L310-Z692
-024-A0

M D: QYL

.X ± 0.5
.X ± 0.25
.XX ± 0.10
.XXX ± 0.05
ANGULAR $\angle \pm 0.5^\circ$

Material: FPC

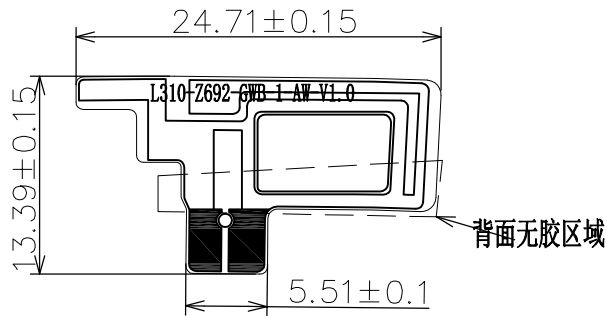
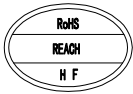
R F: WX

Surface treatment: clean

Color: matt black

proportion: 1:1

version: A1



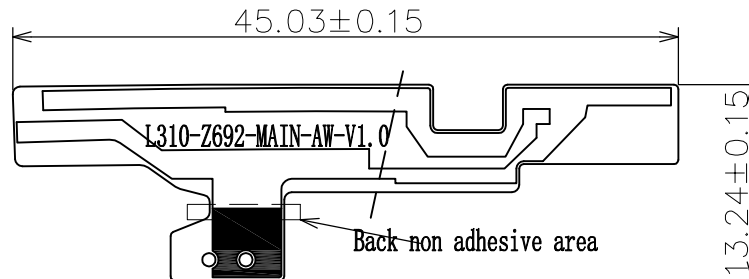
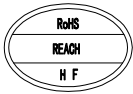
1. Material: A pair of semi-electrolytic copper substrates, using environmentally friendly manufacturing process, in line with ROHS requirements.
2. Gold plating: NI:1-2um AU:min0.5u" Ink: Halogen-free ink.
3. Duct tape: 3M9471.
4. With "*" dimensions as the key dimensions.
5. The surface has no defects such as crushing, scratches, oil stains, spots, etc.
6. The drawing size is used to check the appearance, function and assembly.
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	unit: MM	Model:L310-Z692	date: 2024-03-29
General tolerance:		Part No: AW006-L310-Z692 -022-A0	M D: QYL
		Material: FPC	R F: WX
		Surface treatment: clean	
		Color: matt black	proportion: 1:1
		version: A1	

3

4



1. Material: A pair of semi-electrolytic copper substrates, using environmentally friendly manufacturing process, in line with ROHS requirements.

2. Gold plating: NI:1-2um AU:min0.5u" Ink: Halogen-free ink.

3. Duct tape: 3M9471.

4. With "*" dimensions as the key dimensions.

5. The surface has no defects such as crushing, scratches, oil stains, spots, etc.

6. The drawing size is used to check the appearance, function and assembly.

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unit: MM

Model: L310-Z692

date: 2024-03-29

General tolerance:

Part No: AW006-L310-Z692
-021-A0

M D: QYL

X ±0.5
.X ±0.25
.XX ±0.10
.XXX ±0.05
ANGULAR $\angle \pm 0.5^\circ$

Material: FPC

R F: WX

Surface treatment: clean

Color: matt black

proportion: 1:1

version: A1



深圳市安威无线科技有限公司

行业领先的一站式通信射频天线解决方案制造商

The End

携手共进 共创未来