



ShenZhen XinErSheng Technology Co.,Ltd

SPECIFICATION FOR APPROVAL

Customer name: _____

Product name: 4G FPC antenna 1.13 Black cable L=80MM buckle

Customer Part
Number: _____

Manufacturers of
Material: XESANT11B13925

Deliver quantity: 5PCS

Mark	Check	Examine and approve	Datelanded
Biao	Lisen	Amy	2025.04.08

That Customers:

Acknowledge	Check	Examine and approve	Datelanded

Admit that situation: ☒new product ☐ product shanges

Admit that project: ☐acknowledgement ☐soecimen 10PCS

Admit that conclusion: ☐reception ☐refuse

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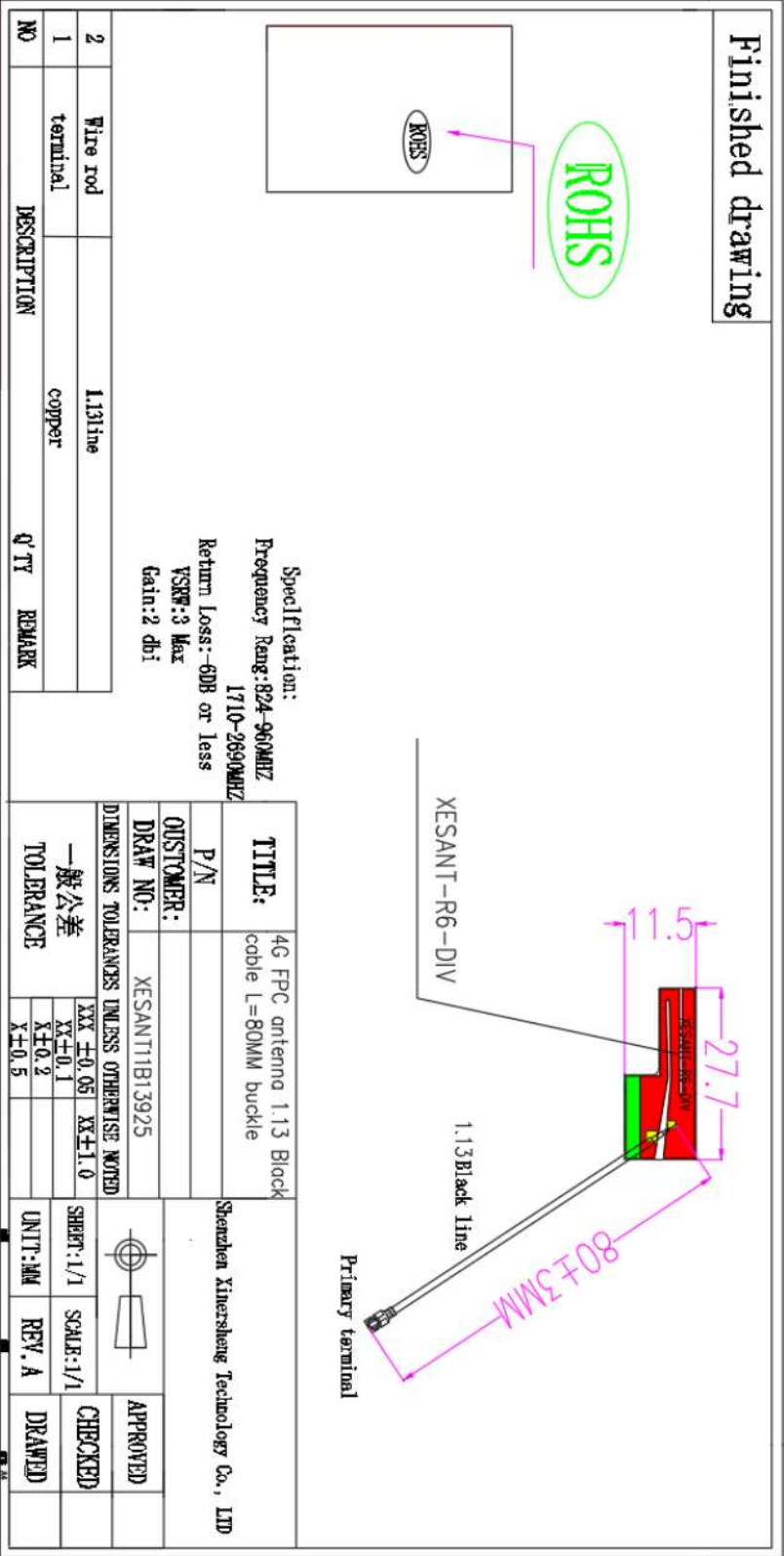
Main technical parameters of the product

Main technical specifications	
Frequency Range(MHZ)	824-960/1710-2690
Impedance(Ω)	50 ± 10
Gain(dBi)	2.5 ± 1
ReTurnLoss(dB)	≤ -5.1
VSWR	≤ 3.5
Polarization	Linear Vertical
Connector Type	IPEX
Physical Properties	
Antenna Base	FPC
Operating Temp	$-20^{\circ}\text{C} - +60^{\circ}\text{C}$
Storage Temp	$-20^{\circ}\text{C} - +70^{\circ}\text{C}$

List of raw materials:

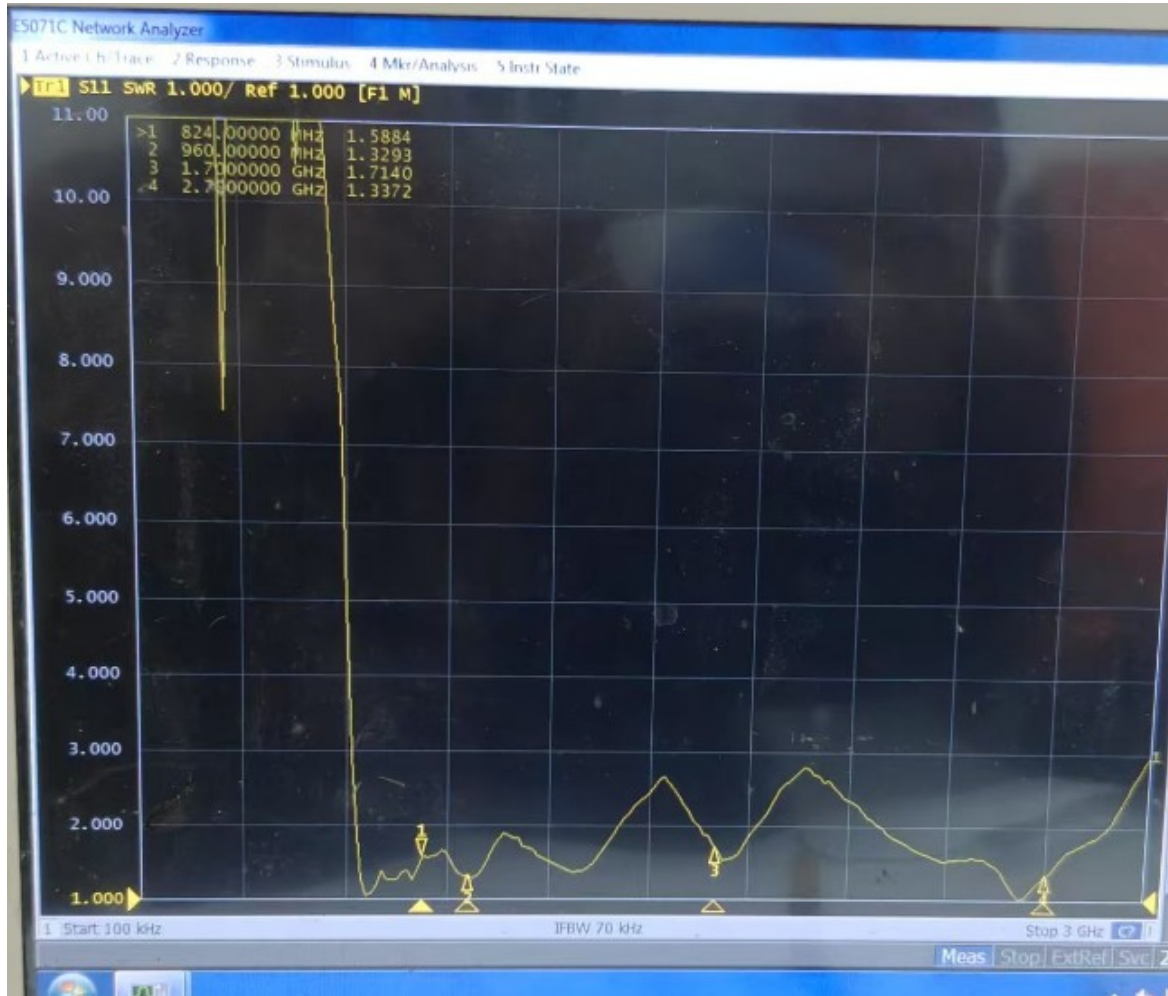
Serial number	Name	Texture	Quantity	Unit	Remark
1	Wire rod	Line 1.13	1	PCS	
2	IPEX	copper	1	PCS	

Product drawing

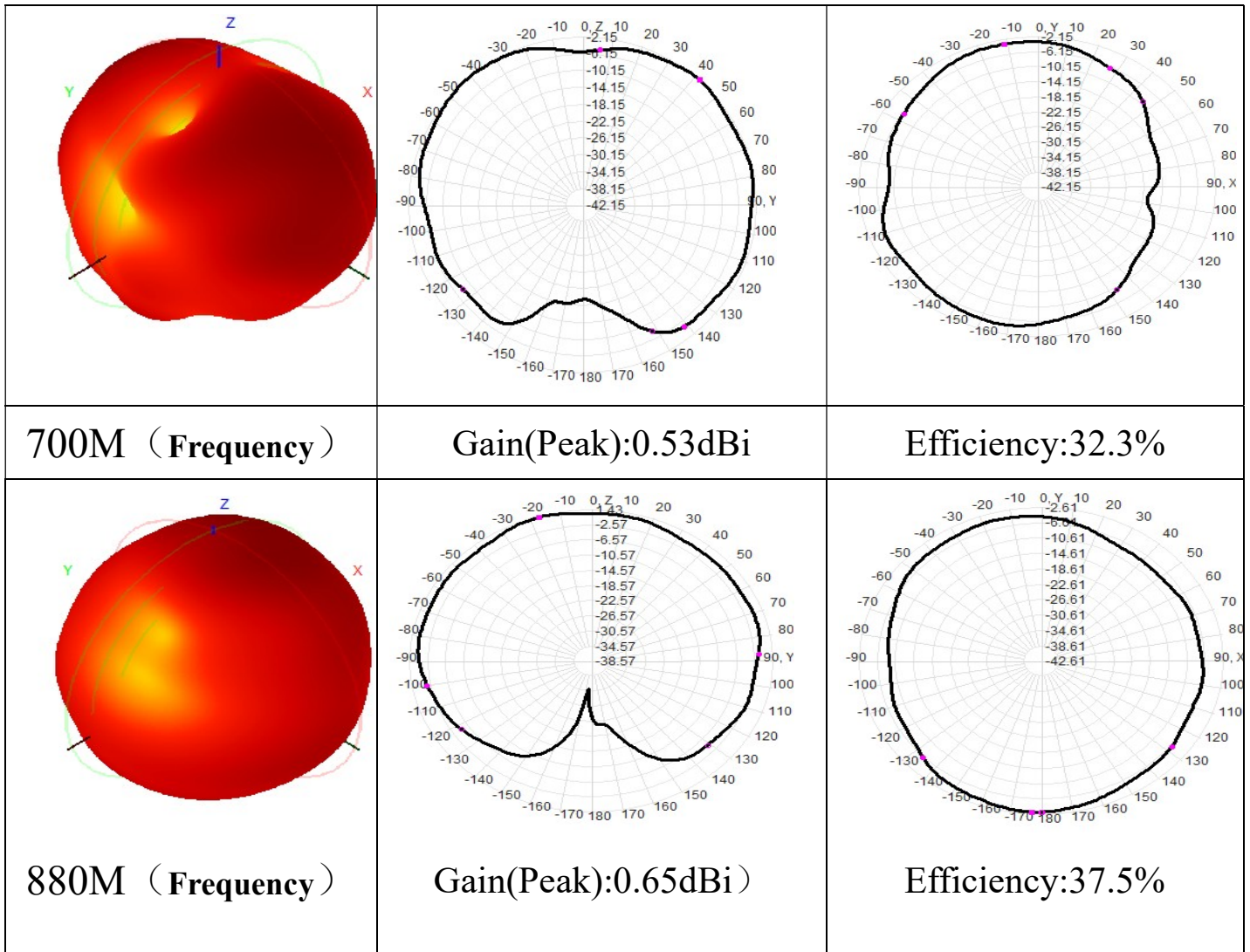


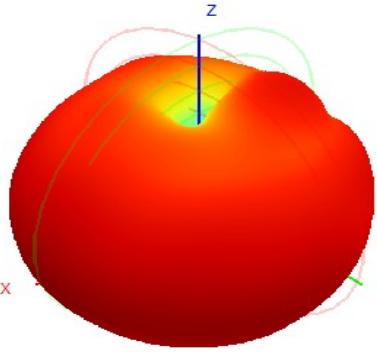
Network analyzer test report:

1. SWR:

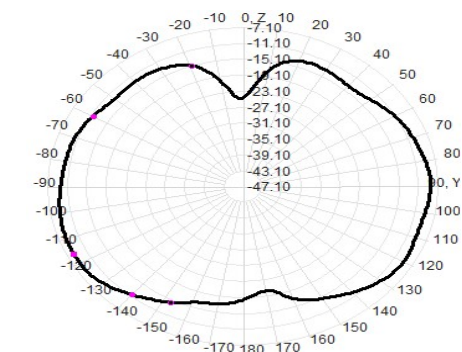


4G 2D、3DRaditation Pattern

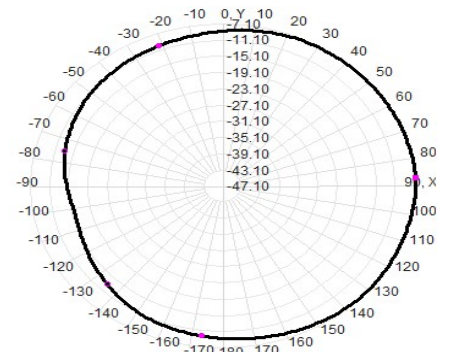




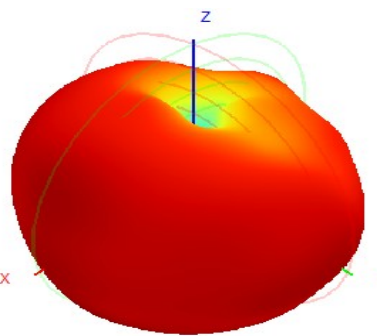
960M(Frequency)



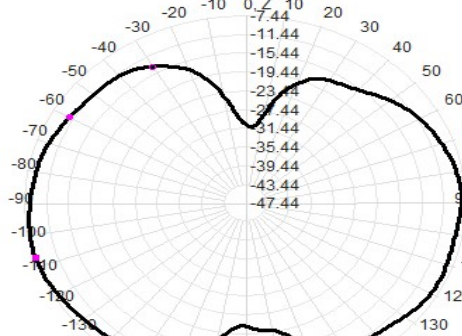
Gain(Peak):0.72dBi



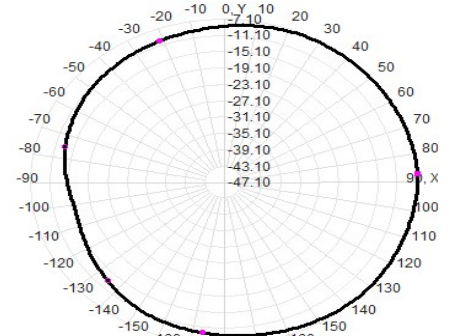
Efficiency:38.2%



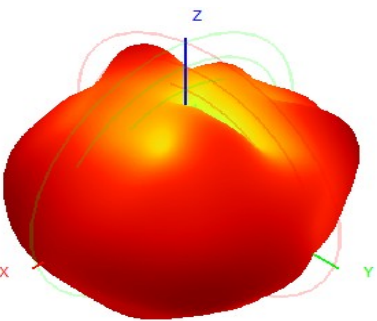
1710M (Frequency)



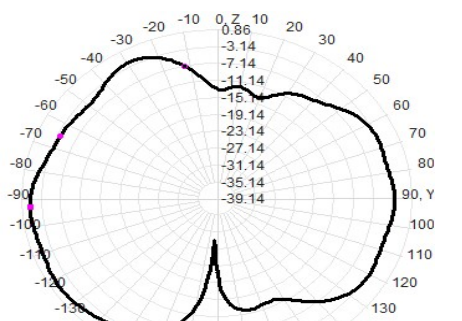
Gain(Peak)1.15dBi



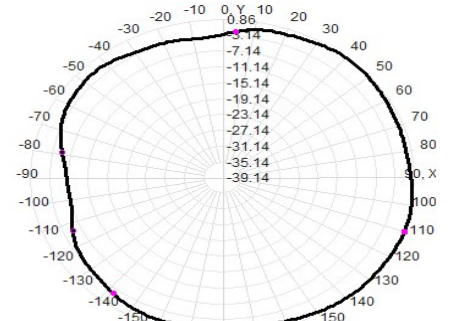
Efficiency:43.3%



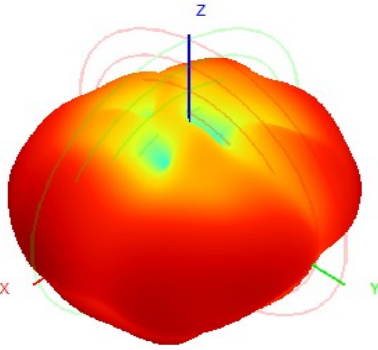
1960M (Frequency)



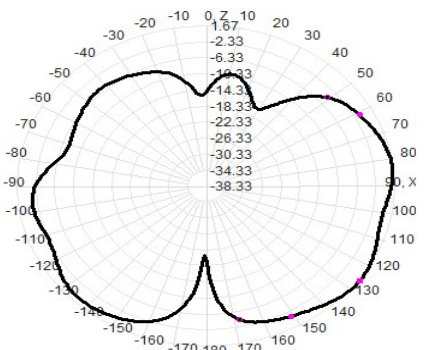
Gain(Peak):2.25dBi



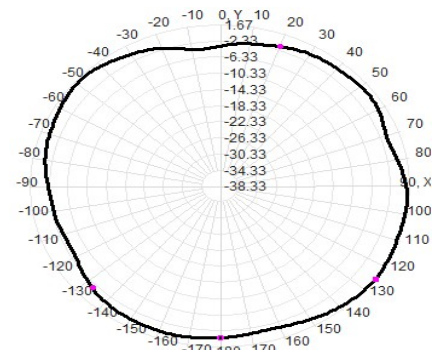
Efficiency:43.2%



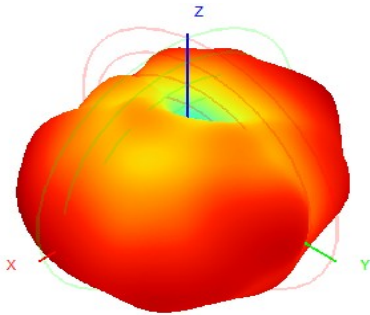
2100M (Frequency)



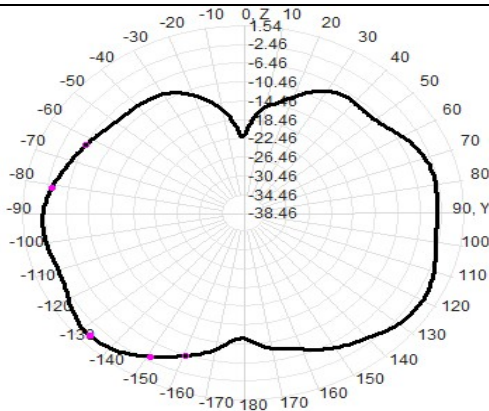
Gain(Peak):1.33dBi



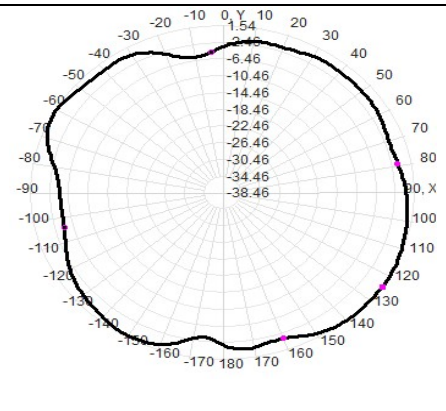
Efficiency:48.2%



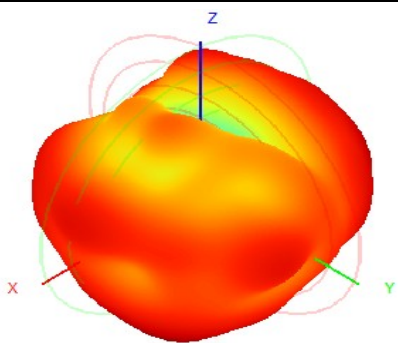
2300M (Frequency)



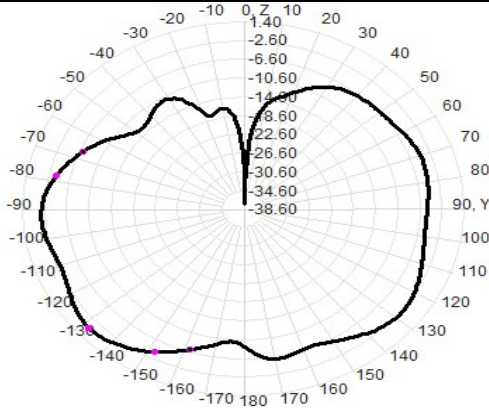
Gain(Peak):1.85dBi



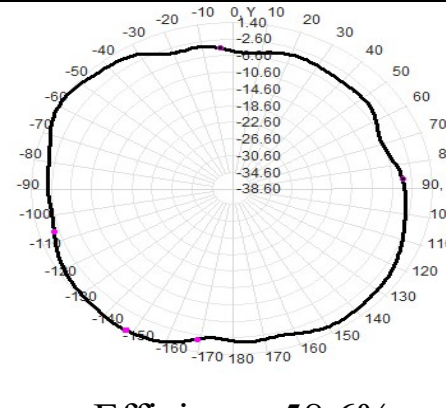
Efficiency:58.1%



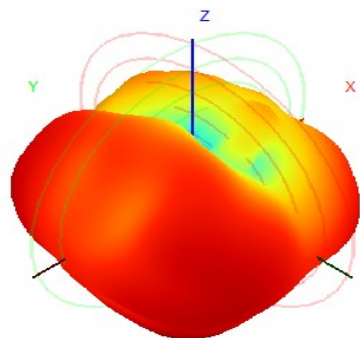
2500M (Frequency)



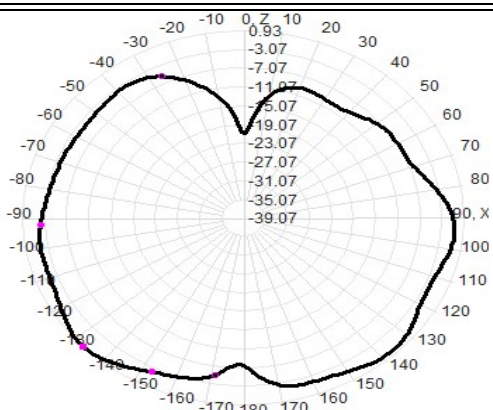
Gain(Peak):2.18dBi



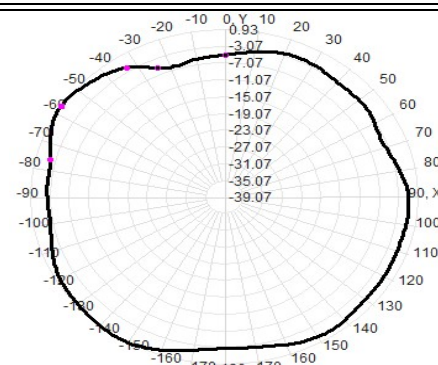
Efficiency:58.6%



2700M (Frequency)



Gain(Peak):1.75dBi



Efficiency:56.6%

Active test data:

	B20	24200	16.16	B20			B1	18050	18.03	B1		
		24300	15.82					18300	18.94			
		24400	15.37		6400	-77.94		18550	19.97		18550	-85.12
	B38	37850	17.75	B38			B3	19250	12.72	B3		
		38000	17.46					19575	13.7			
		38150	17.50		38150	-85.08		19900	13		1900	-80.44
	B40	38750	21.37	B40			B8	21500	15.45	B8		
		39150	20.61					21625	13.12			
		39550	19.49		39550	-78.48		21750	13		3750	-78.15
	B41	39750	20.07	B41								
		40620	17.32									
		41490	15.62		41490	-85.08						
	B2	18650	15.49	B2			B13			B13		
		18900	15.95									
		19150	16.51		1150	-79.31		23230	16.63		5230	-78.16
	B4	20000	11.38	B4			B17	23780	13.6	B17		
		20175	13.49					23790	13.7			
		20350	13.41		2350	-84.55		23800	13.93		5800	-77.24
	B5	20450	16.69	B5			B26	26740	17.08	B26		
		20525	16.47					26865	16.55			
		20600	15.56		2600	-78.85		26990	15.09		8990	-78.02
	B7	20800	18.55	B7			B66	132022	13.03	B66		
		21100	19.82					132322	13.93			
		21400	17.75		3400	-87.04		132622	12.29		67086	-85.83
	B12	23060	13.17	B12								
		23095	13.49									
		23130	14.01		5130	-76.6						

Physical assembly photo:

