

DAM-D3-X-N0-000-08-16

1. Explanation of Part Number

DAM - D3 - X - N0 - 000 - 08 - 16
 (1) (2) (3) (4) (5) (6) (7)

- (1) Product type : DAM-Dipole Antenna Module
 - (2) Appearance Series : D3
 - (3) Frequency : X =830~880, 1447~1510,1710~1880, 1920~2170MHz
 - (4) Coaxial Cable Specification : N0=No Cable
 - (5) Coaxial Cable Length : 000=0mm
 - (6) Connector Types :08= SMA Plug (Male Pin)
 - (7) Suffix for special requirements : 16=Suffix No
- ※ RoHS Compliant

2. Electrical properties:

Item	Property
Frequency Range	830~880, 1447~1510,1710~1880, 1920~2170MHz
Impedance	50 Ω (Typ.)
VSWR	2.0 Max
Peak Gain	2.5±0.5 dBi

3. VSWR:



UNLESS OTHER SPECIFIED TOLERANCES ON :
 X=N/R X.X=N/R X.XX =N/R
 ANGLES=N/R HOLEDIA=N/R



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SCALE : N/R UNIT : mm
 DRAWN BY : 林娟 CHECKED BY : 李志强
 DESIGNED BY : 林娟 APPROVED BY : 唐龙

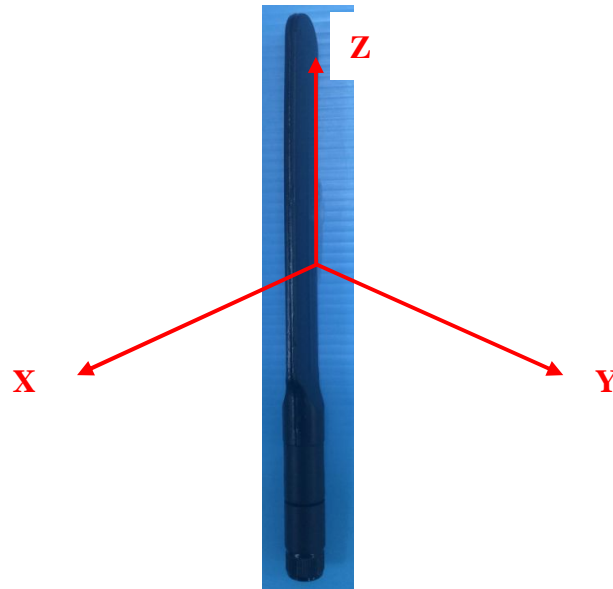
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4. Test result:

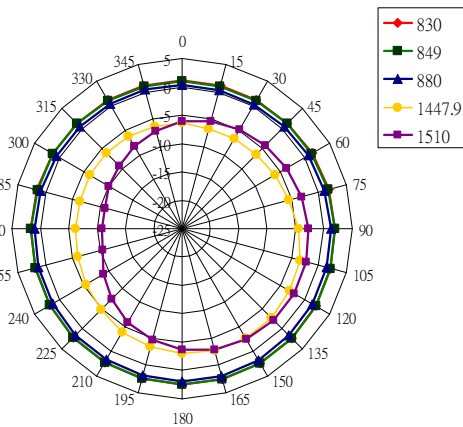
4.1 测试方法:



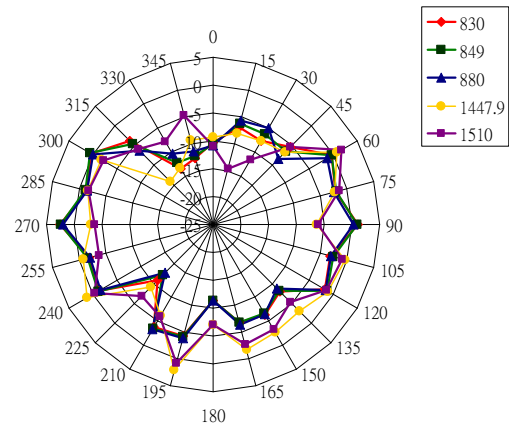
4.2 2d pattern:

(830~880、1447.9~1510MHz)

Horizontal Plane

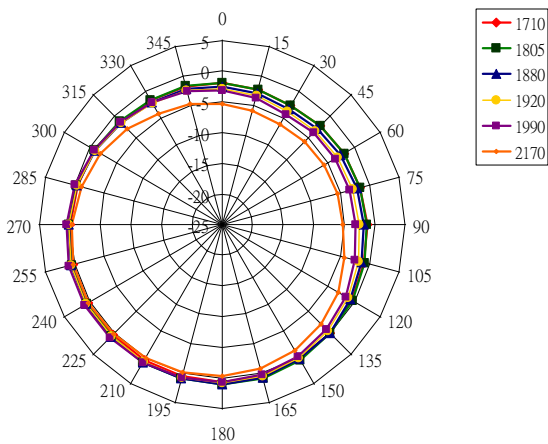


Vertical Plane

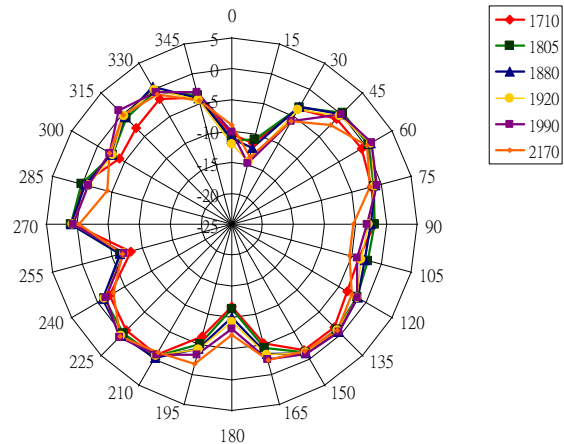


(1710~1880、1920~2170MHz)

Horizontal Plane



Vertical Plane



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X=N/R X.X=N/R X.XX =N/R
ANGLES=N/R HOLEDIA=N/R



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UNIT : mm

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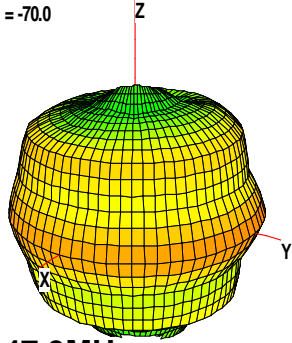
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4.3 3d pattern:

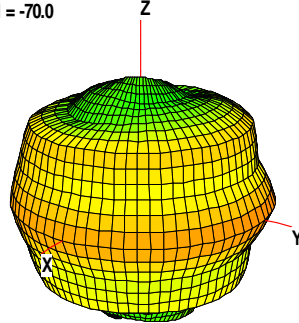
830MHz

Azimuth = 100.0
Elevation = -30.0
Roll = -70.0



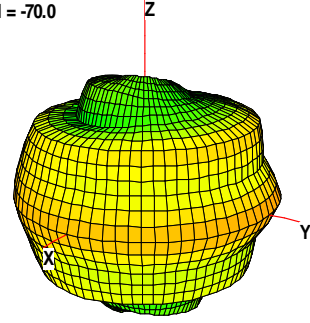
849MHz

Azimuth = 100.0
Elevation = -30.0
Roll = -70.0



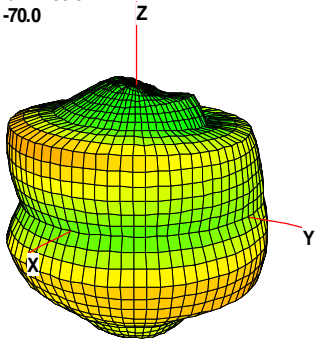
880MHz

Azimuth = 100.0
Elevation = -30.0
Roll = -70.0



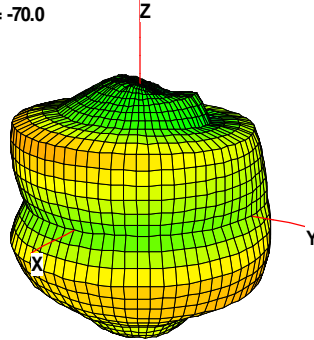
1447.9MHz

Azimuth = 100.0
Elevation = -30.0
Roll = -70.0



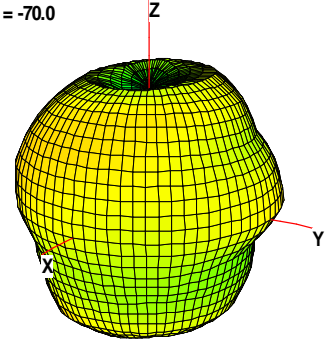
1510MHz

Azimuth = 100.0
Elevation = -30.0
Roll = -70.0



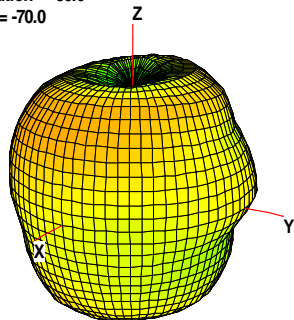
1710MHz

Azimuth = 100.0
Elevation = -30.0
Roll = -70.0



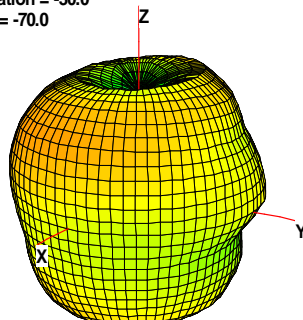
1805MHz

Azimuth = 100.0
Elevation = -30.0
Roll = -70.0



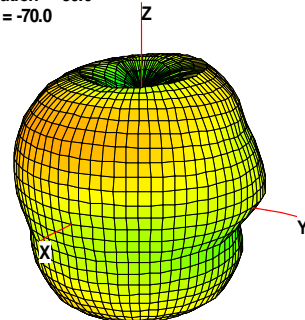
1880MHz

Azimuth = 100.0
Elevation = -30.0
Roll = -70.0



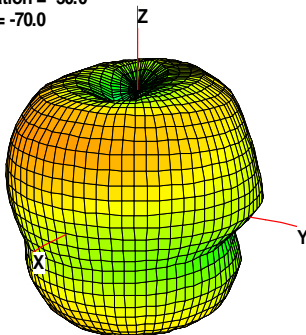
1920MHz

Azimuth = 100.0
Elevation = -30.0
Roll = -70.0



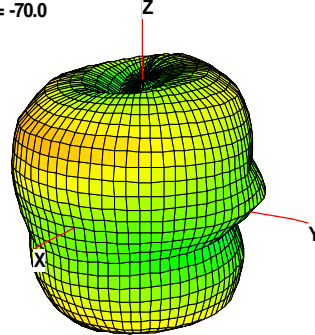
1990MHz

Azimuth = 100.0
Elevation = -30.0
Roll = -70.0



2170MHz

Azimuth = 100.0
Elevation = -30.0
Roll = -70.0



UNLESS OT

X=N/R

X.X=N/R

X.XX=N/R

ANGLES=N/R

HOLEDIA=N/R



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UNIT : mm

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DOCUMENT NO.

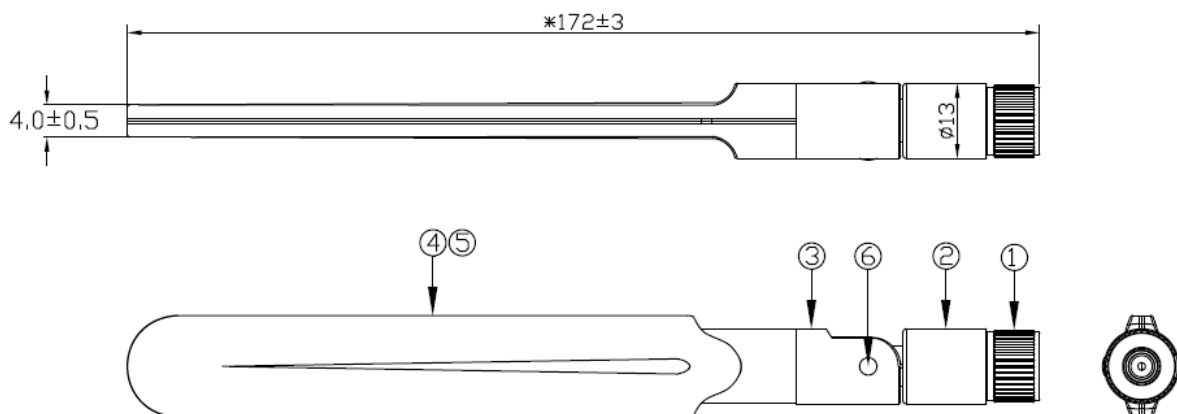
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4.4 Efficiency and Gain

Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)
824	2.45	63.82
830	2.55	65.61
836	2.56	66.28
849	2.52	66.39
869	2.34	64.36
880	2.03	59.70
1447.9	2.37	55.68
1450	2.23	55.82
1460	1.84	56.52
1480	1.92	55.75
1500	1.77	52.73
1510	1.66	50.85
1710	1.18	61.83
1750	1.13	66.65
1785	1.40	71.93
1805	1.49	74.02
1840	1.53	72.38
1850	1.64	73.2
1880	1.79	75.55
1920	1.50	71.3
1930	1.47	70.92
1950	1.51	71.22
1960	1.54	71.81
1980	1.62	73.13
1990	1.65	73.79
2110	1.30	62.81
2140	1.60	62.39
2170	1.57	58.36

5. Mechanical properties (未注公差 $\pm 0.5\text{mm}$, 未注角度公差 $\pm 1^\circ$)



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 X=N/R X.X=N/R X.XX =N/R
 ANGLES=N/R HOLEDIA=N/R



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ITEM	DESCRIPTION	MATERIAL SPECIFICATION	Finish	QTY	UNIT
1	SMA Plug (Male Pin)	CU	BLACK	1	PCS
2	BODY-1	ABS	BLACK	1	PCS
3	BODY-2	ABS	BLACK	1	PCS
4	BODY-3	ABS	BLACK	1	PCS
5	BODY-4	ABS	BLACK	1	PCS
6	PIN	ABS	BLACK	2	PCS



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