

DAM-D7-N1-N0-000-08-13 Specification

1. Explanation of Part Number

DAM – D7 – N1 – N0 - 000- 08 - 13
 (1) (2) (3) (4) (5) (6) (7)

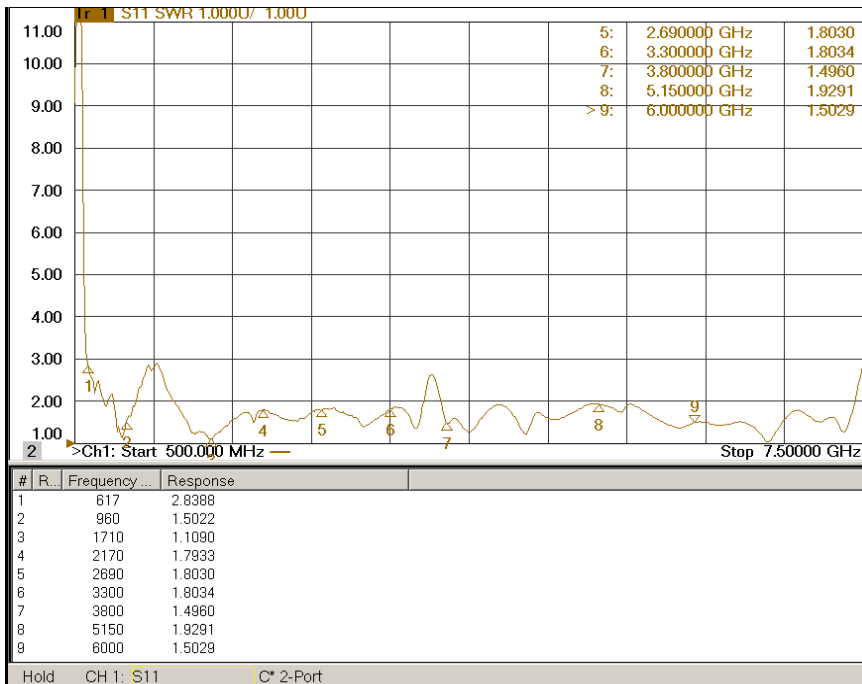
- (1) Product type: DAM-Dipole Antenna Module
- (2) Appearance Series: D7
- (3) Frequency: N1:617-960MHz,1710-2690MHz,3300-6000MHz
- (4) Coaxial Cable Specification: N0
- (5) Coaxial Cable Length: 0mm
- (6) Connector Types: 08= SMA
- (7) Suffix for special requirements: 13

※ RoHS Compliant

2. Electrical properties:

Item	Property
Frequency Range	617-960,1710-2690,3300-6000
Impedance	50 Ω (Typ.)
Antenna Gain	4 dBi (Typ)
VSWR	3.0 max.

2-1 VSWR



UNLESS OTHER SPECIFIED TOLERANCES ON :

X=NA X.X=NA X.XX=NA
 ANGLE=NA HOLE DIA.= NA



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SCALE : NA UNIT : mm

DRAWN BY : 彭少君 CHECKED BY: 洪賢修

DESIGNED BY: 黃健育 APPROVED BY: 謝立庭

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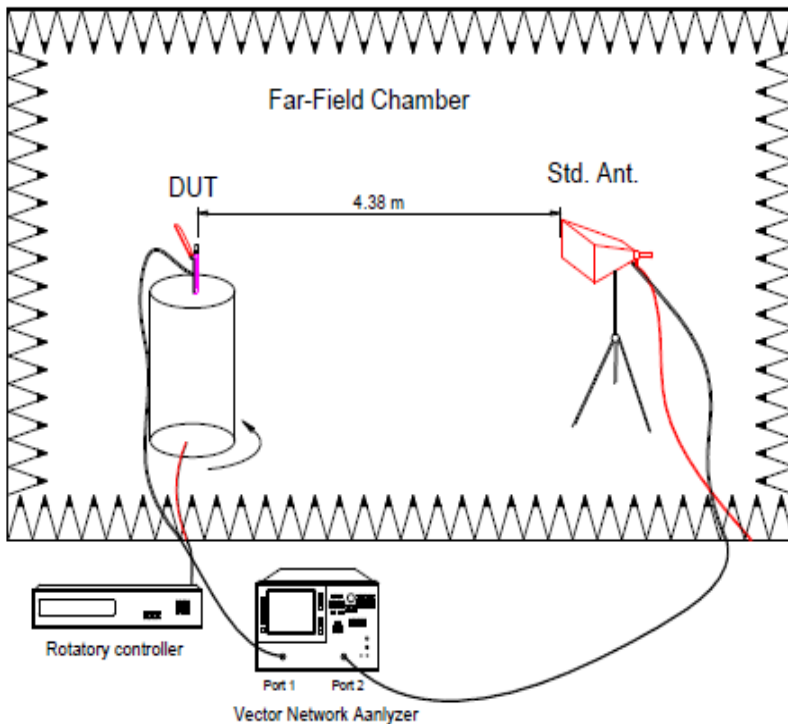
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2-1 Gain and Radiation Pattern


2-2.1 Measure method

1. Using a low loss coaxial cable to link a standard handset jig
2. Fixed this handset jig on chamber's rotator plane
3. Linking jig into network analyzer port and using a probing horn antenna to collect data
4. Using another standard gain horn antenna to calibrated those data

2-2.2 Chamber definition



1. An anechoic chamber (7m*4m*3m) which satisfied far-field condition was applied to avoid multi-path effect
2. The quiet room region is 40cm*40cm*40cm at the center of rotator
3. The distance between DUT and standard antenna is 4.38m
4. Probing antenna (9120D horn antenna) and standard gain horn antenna (BBHA9120LPF 700MHz~6GHz)

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2-2.3 Efficiency & Gain (dBi)

Frequency / MHz	Efficiency / %	Gain/ dBi
617	43.25	0.49
663	48.82	0.53
699	55.99	0.78
704	59.84	0.82
745	61.27	1.31
798	60.10	0.91
824	57.88	1.25
880	57.67	0.92
960	56.98	0.95
1710	82.04	3.31
1785	79.85	2.98
1805	74.58	3.01
1880	80.64	3.20
1910	82.58	2.89
1990	77.55	2.81
2010	71.67	2.29
2170	73.64	3.17
2305	79.12	3.66
2450	74.59	2.72
2690	71.52	2.07
3300	73.19	3.05
3800	65.38	2.47
4100	67.94	1.95
4500	58.09	1.37
4900	55.98	1.58
5150	57.03	2.05
5537	59.21	2.97
5925	62.97	3.87

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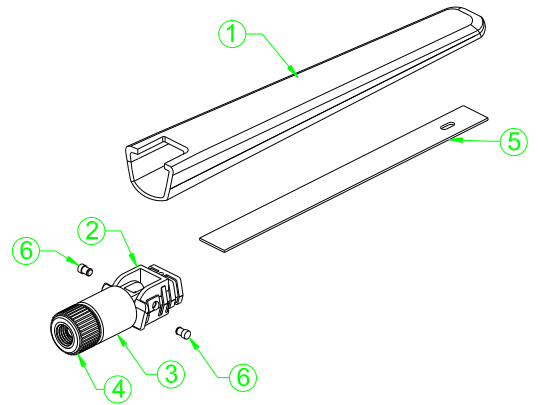
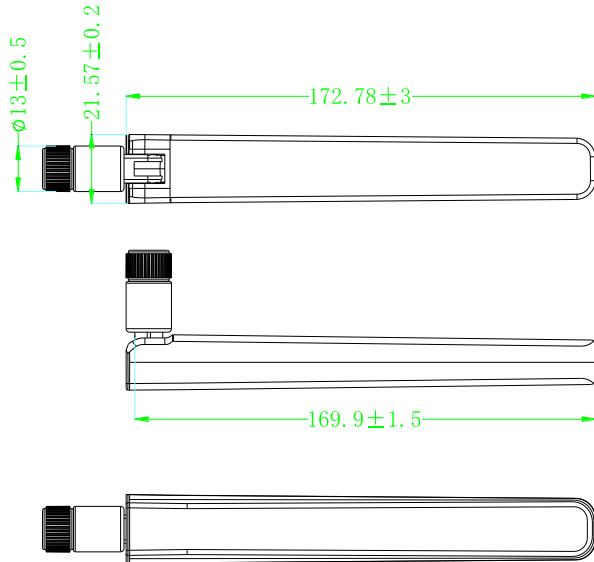
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3. Mechanical properties:



NO	部件名稱	規格描述	數量
1.	外殼	黑色	1
2.	下固	黑色	1
3.	上固	黑色	1
4.	連接器	公頭公針	1
5.	PCB	FR4	1
6.	銷釘	黑色	2

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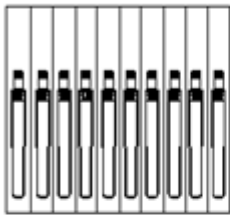
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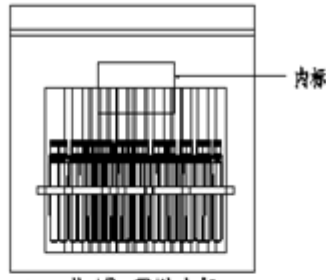
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4.Package information:

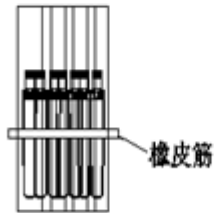
- (1)将每 10PCS 装入排袋 (30*25CM) 内，接头朝袋口装入。
 - (2)10PCS 产品卷成一把，使用橡皮筋捆扎。
 - (3)将 5 扎产品装入一个封口袋 (20*30CM) 内，接头端朝袋口装入，完成后将内标贴好。
 - (4)在纸箱底部放一隔板，装满 500PCS 再放一隔板,完成后进行封箱，贴好外箱标签。
- 如圖示意:



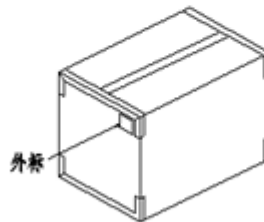
1、10PCS/排袋



3、5扎/袋,需贴内标



2、10PCS/橡皮筋捆扎



4、在纸箱底部放一隔板，装满500PCS再放一隔板,完成后进行封箱，贴好外箱标签。

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