

Antenna



連騰科技股份有限公司

The Most Appropriate Antenna for Your Design!

Advanced Wireless & Antenna Inc.

Lansinoh_Smart Pump 3.0

CUSTOMER: GOLDTek (沅聖科技股份有限公司)

MODEL NAME: Chip Antenna

AWAN P/N: AEP00-000003



B2, No. 207, Sec.3, Beixin Rd., Xindian
Dist., New Taipei City 231, Taiwan, R.O.C
TEL : 886-2-8913-1939
FAX : 886-2-8913-2538
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Test Environment and Equipments

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ACON 3D Chamber Structure

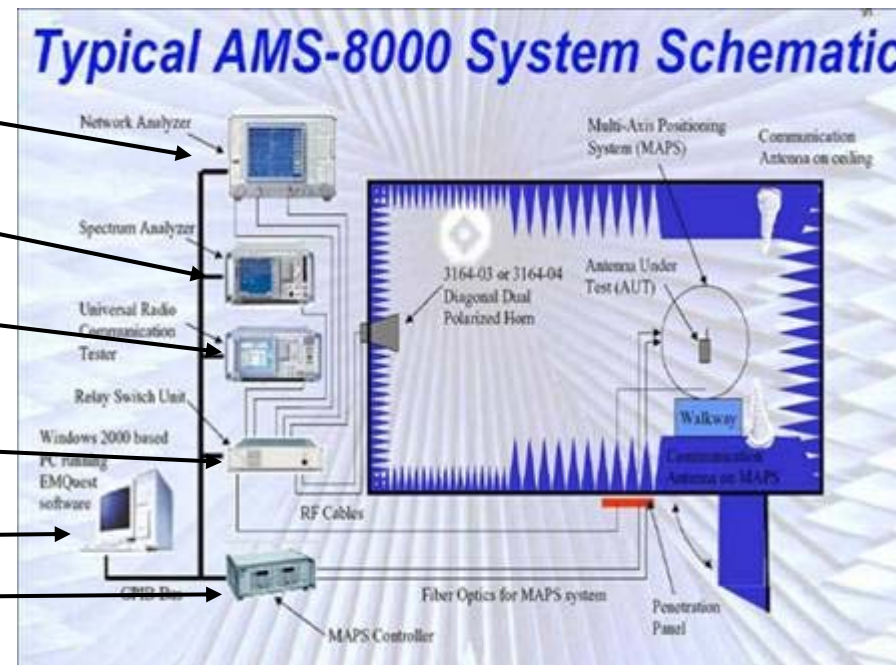
- ETS-Lindgren AMS-8000 Series System Components
- Chambers
- EMQuest EMQ-100 Software
- Positioning Systems
- Chamber Room Size: L*W*H=7.3*3.7*3.7 M

VSWR were performed using an Agilent S-parameter Network Analyzer.



NA 8720ES

- **Network Analyzer**
Agilent 8720ES
- **Spectrum Analyzer**
R&S FSP13
- **Universal Radio Communication Tester**
R&S CMU200
- **Switch**
Agilent 3499B
- **PC and Software**
- **Rotate Controller**
ETS-Lindgren 2090



Chip Antenna Picture

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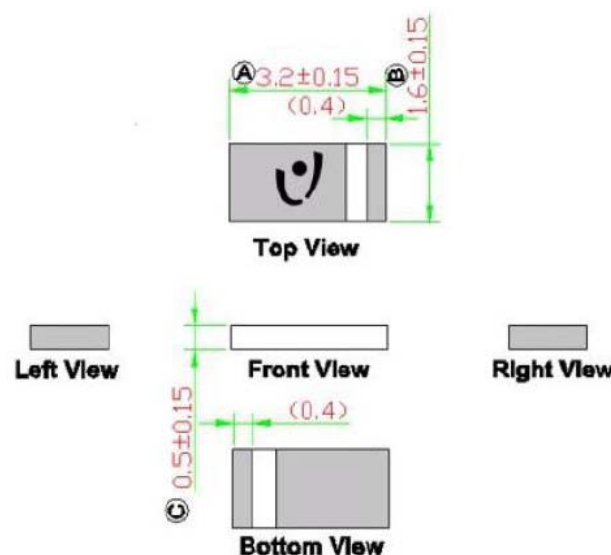


Chip Antenna Dimensions

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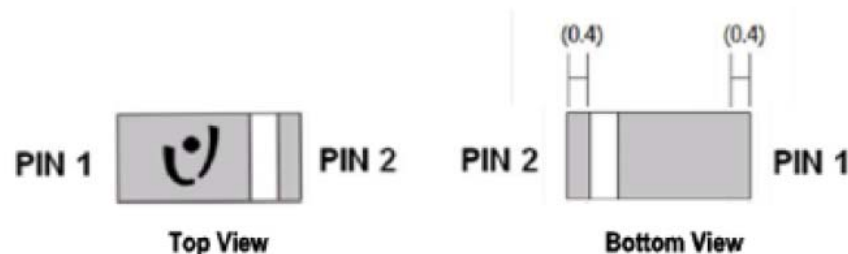
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NOTE:
 1. All materials are RoHS 2.0 compliant.
 2. "A~C" Critical Dimensions.
 3. "()" Reference Dimensions.

PIN Definition



PIN	1	2
Soldering PAD	Signal	Tuning / Ground

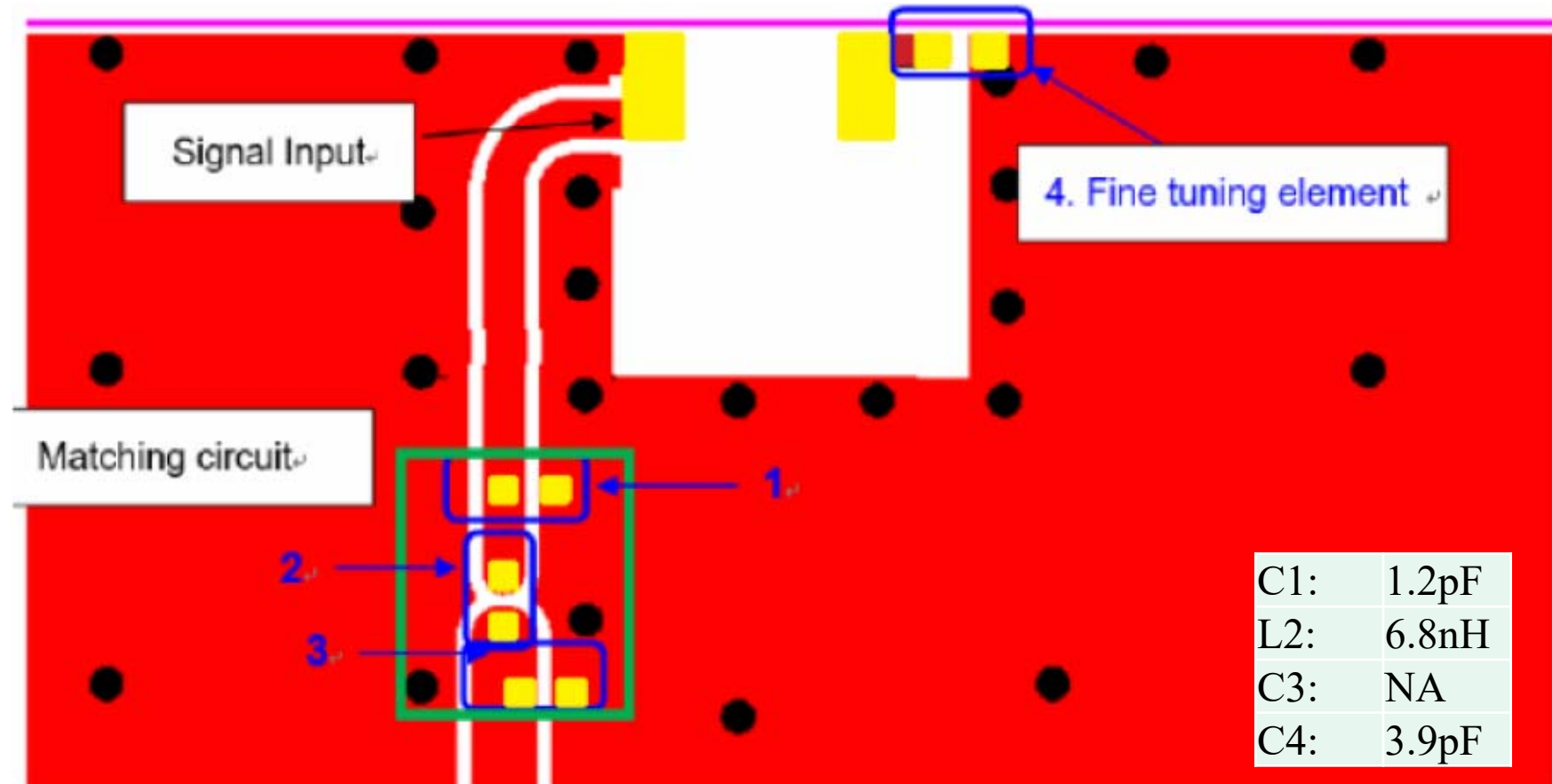
Frequency tuning and Matching circuit



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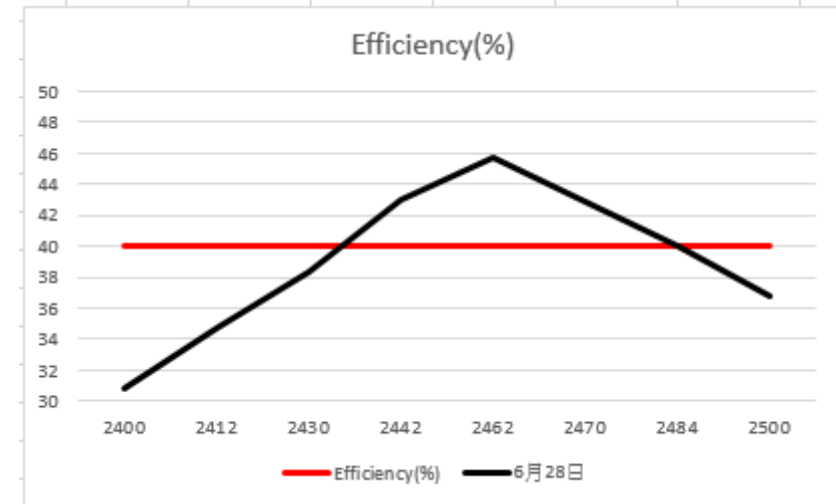
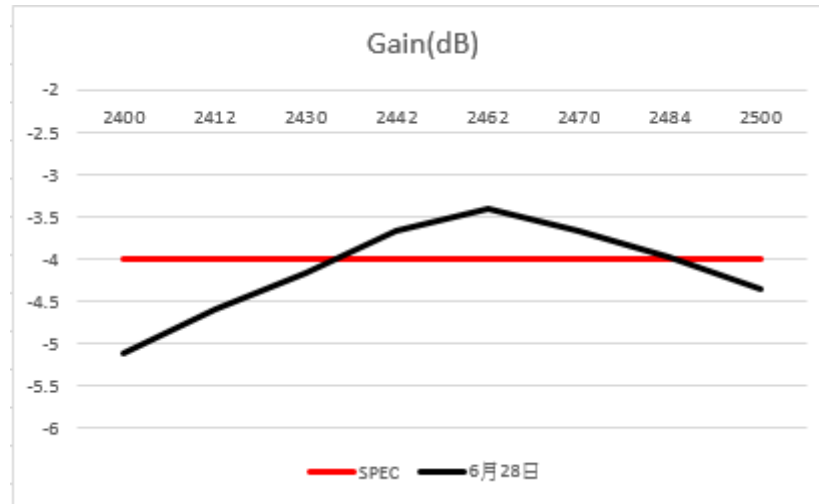


Test Result: Gain & Efficiency

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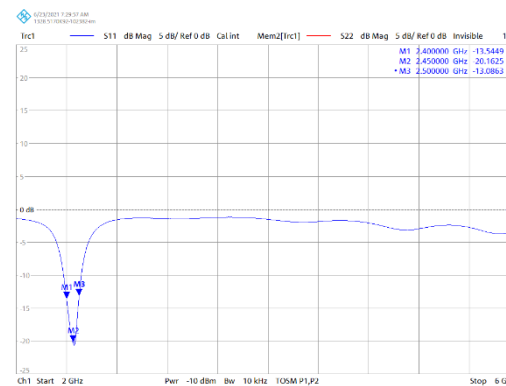
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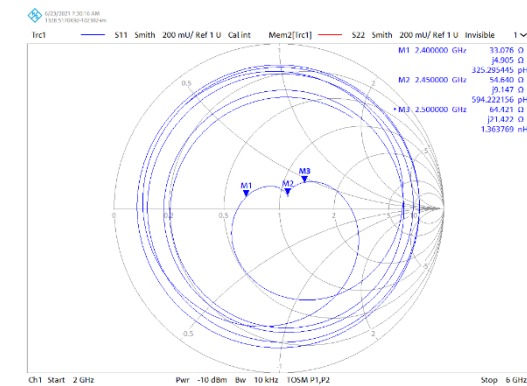


	Gain(dB)	Efficiency(%)
2400	-5.114	30.8
2412	-4.603	34.64
2430	-4.158	38.38
2442	-3.665	43
2462	-3.4	45.7
2470	-3.677	42.88
2484	-3.973	40.05
2500	-4.349	36.73

Return Loss



Smith



Test Result: 3D Radiation

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