

2006

1.

- ◇ THAAD(Theatre High-Altitude Area Defence system :)
- ◇ MEADS(Medium Extended Air Defence System :)
- ◇ Patriot PAC-3, PAC-3 Missile Segment Enhancement(MSE)
- ◇ HAA(High Altitude Airship :)
- ◇ C-RAM(Counter-Rocket, Artillery and Mortar)
- ◇ AMD(Air and Missile Defence)
- ◇ (Jet Fighter)
- ✚FA -22 Raptor, F-35 Joint Strike Fighter
- ◇ (Attack Helicopter)
- ◇ (UAV: Unmanned Aerial Vehicle)
- ◇

2.

- ◇ (High Capacity), (Precision Directivity)
- ✚ UAV
- ✚ UAV
- ◇ Satellite Data Communications
- ✚ ,

3.

- ✚ millimeter Wave Synthetic Aperture Radar
- ✚ .
- (ALG : Automatic Landing Guidance System)
- ◇ ,
- ◇
- ◇ 가 (UAV)
- ◇ 가
- ◇ 가 (Mobility and Transportability)
- ◇ (Remote Operation)
- ◇
- ◇ , 가 (Inter Operability)
- ◇ (Tracking)
- ◇ 가 , 가 가

4.

- (Phased Array Type) ?
- ◇ .(PAR : Phase Array Radar) 가 가
- 가 .

5.

- ? , ,

- ◇ , , 가 가 .
- ◇
 - ✓ (Collection)
 - ✓ (Distribution)
 - ✓ (Process)
 - ✓ (Quick Respond), 가 ,
- ◇ 가 , , .
 - ✓ (Inside Battle Field) (Outside Battle Field)
 - ✓ (Terrestrial)
 - ✓ (Satellite)

6. 5-10 ?



가 .

◇ (MMIC : MiliMeter wave Integrated Circuit)

◇ MMIC



(T/R : Transmit/Receive)

가

MMIC

(MLMS® : MultiLithic MicroSystems)

(System On Chip) 가

“ 가 ”, “ ”, “ ”

7. 가 가 ,

◇



, , - C4I, TACCIMS,



THAAD, MEADS, ADS

◇ Phased Array Antenna MMIC

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