



DBC965

Antenna Test Report (TR2)

Date : Sep. 7, 2022

Prepared by : Shian Chuang



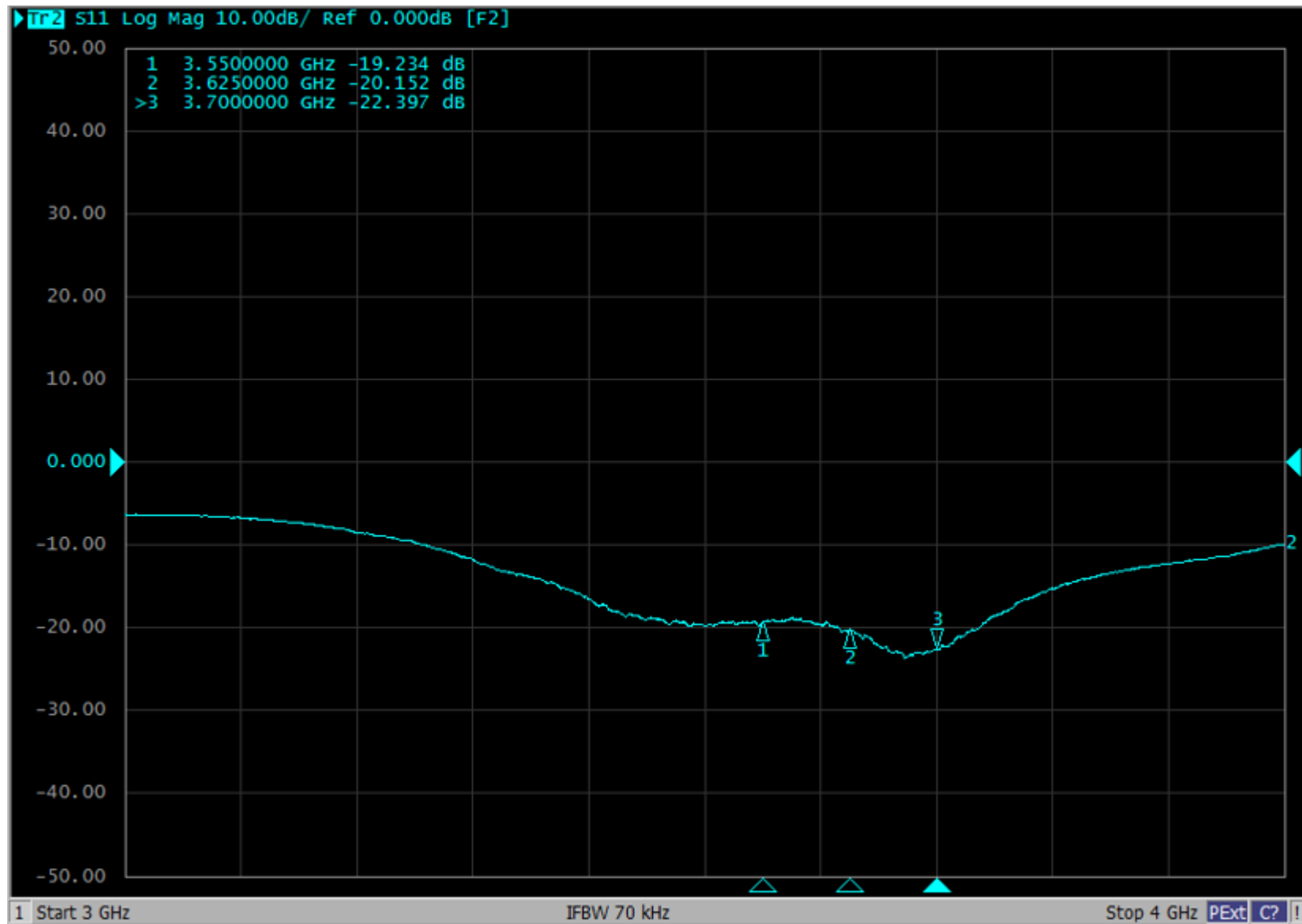
Outline

- Antenna Structure & Placement
- Return Loss
- 3D/2D Radiation Pattern
- Peak Gain & Efficiency

Antenna Structure & Placement

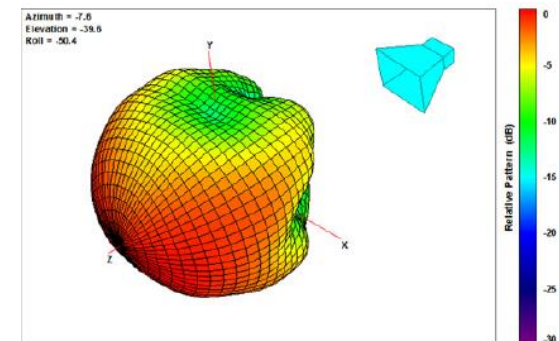
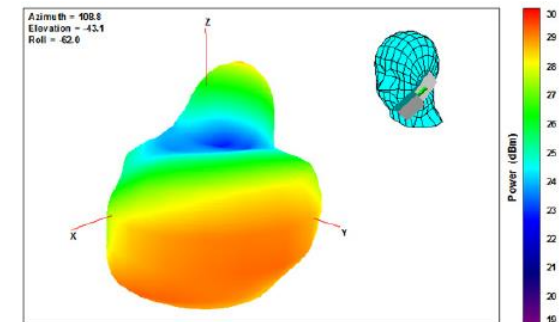
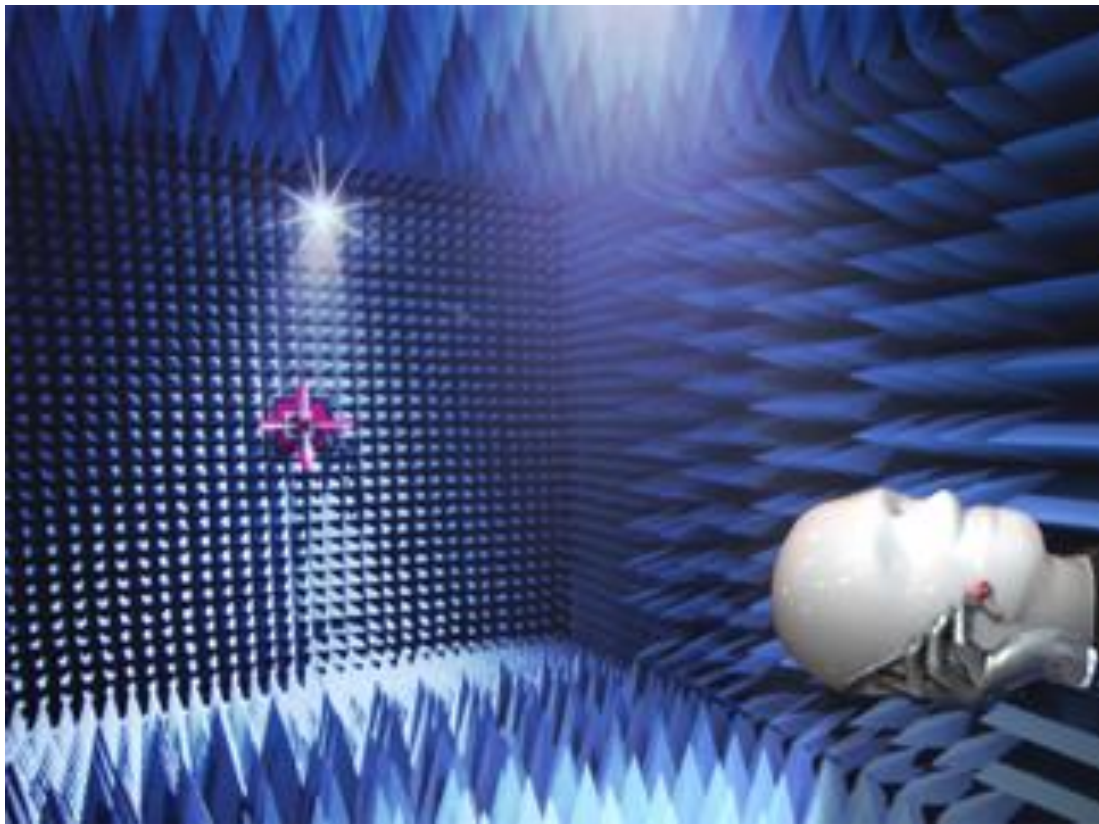
Ant No.	Operating Band	Type	Material	Feeding	Dimension
CBRS Antenna	CBRS 3550MHz ~ 3700MHz	Dipole	PCB	Cable	26(L) x 19(W) x 0.8(T) mm ³

Return Loss – CBRS Antenna

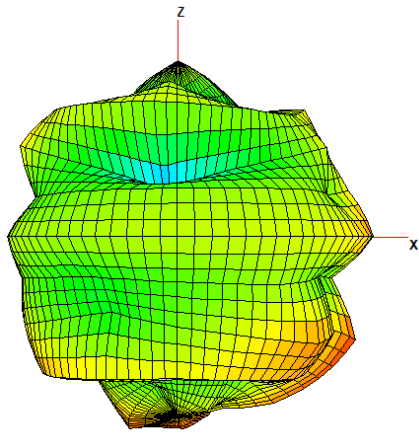
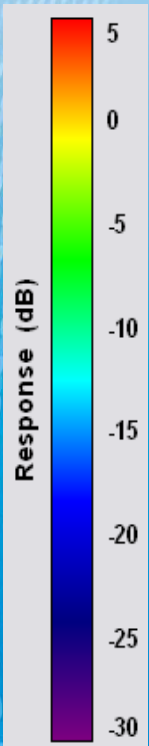


Antenna Measurement Chamber

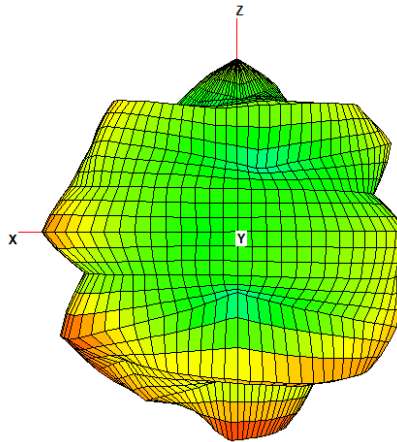
- ETS AMS-8500 antenna measurement system
- Interior dimensions : 7.32(L)×3.66(W)×3.66(H)m³
- Operating band : 600 MHz – 10 GHz
- Support passive test & active test
- Provide graphic data display



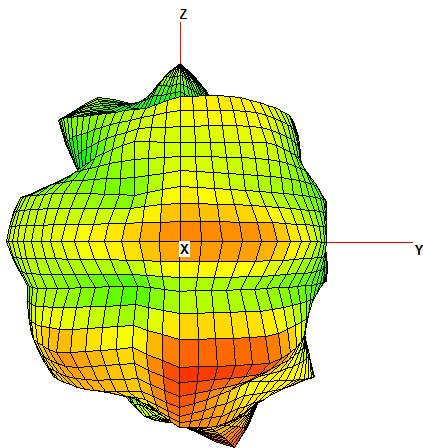
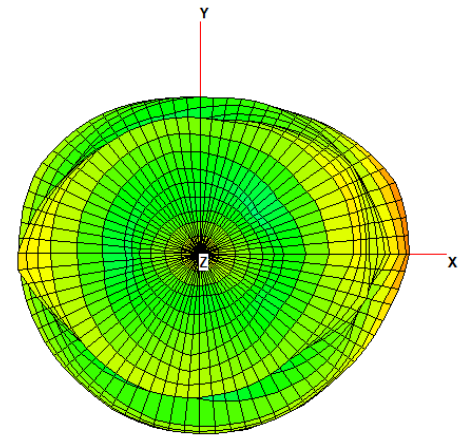
3D Radiation Pattern – CBRs Antenna @ 3625MHz



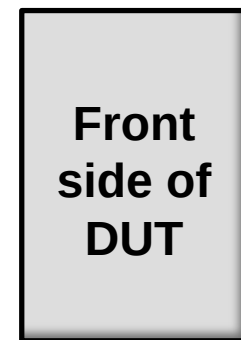
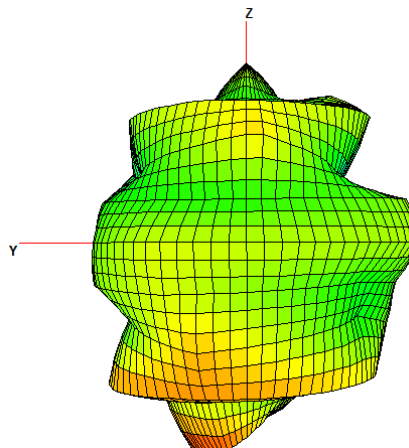
YZ-Plane



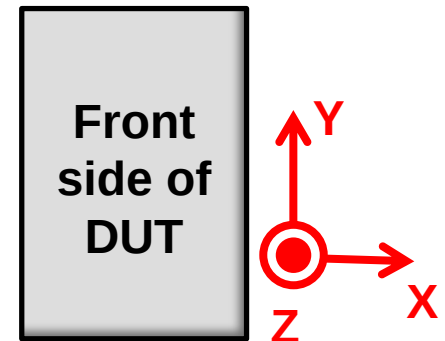
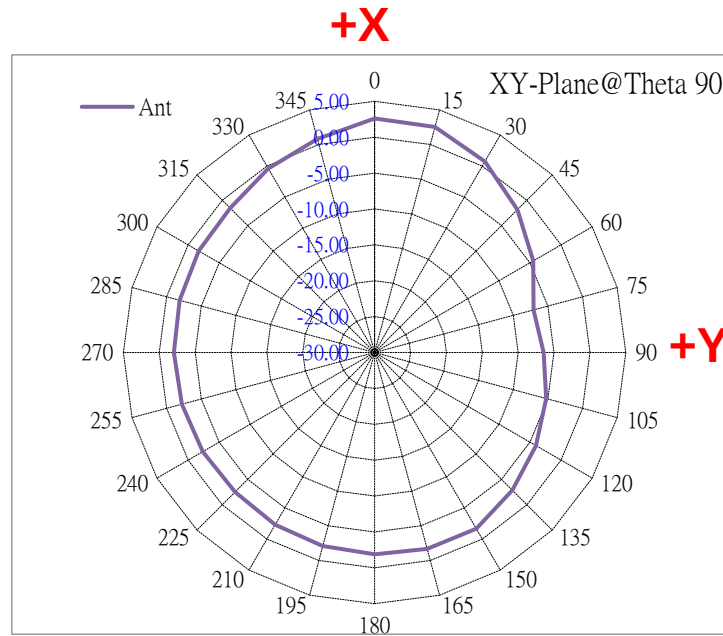
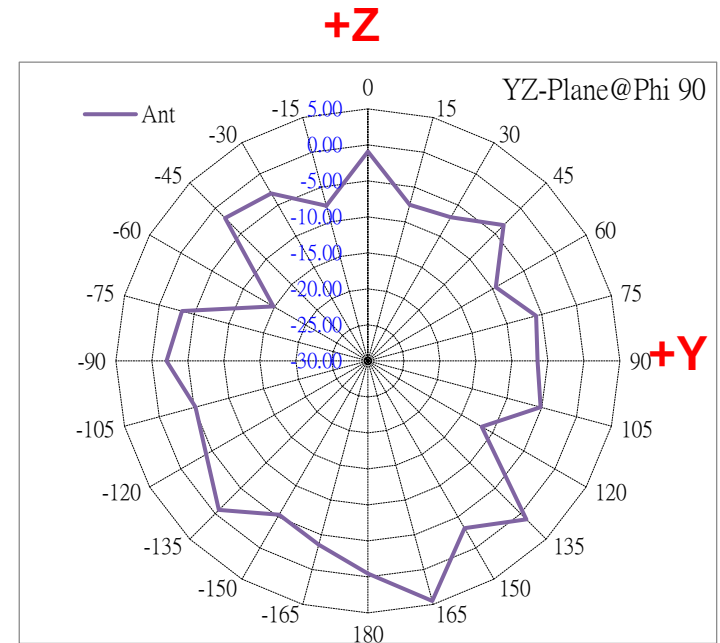
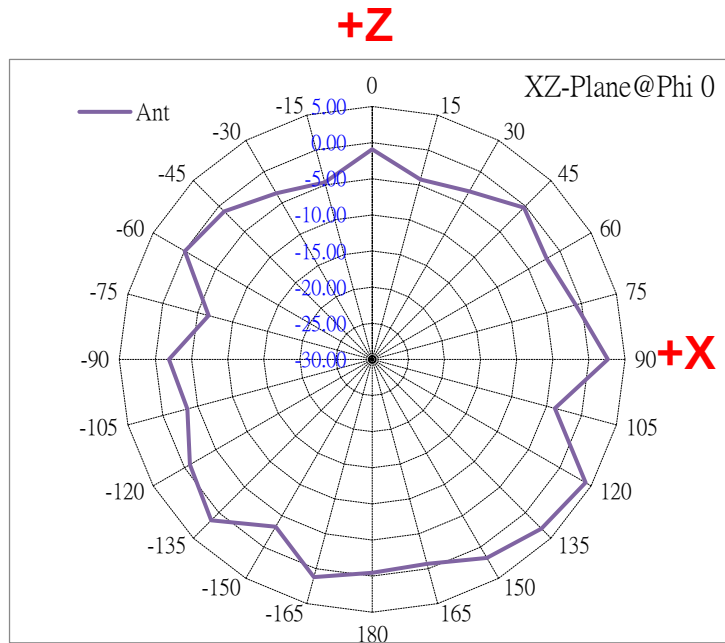
XY-Plane



XZ-Plane



2D Radiation Pattern – CBRs Antenna @ 3625MHz



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Peak Gain & Efficiency

CBRS Antenna		
Frequency (MHz)	Peak Gain (dBi)	Efficiency (%)
3550	3.73	60
3625	3.77	63
3700	3.51	61

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