

Antenna

YF0002DA Datasheet

OC: YF0002DA



Version	Date	Author	Note
1.0	2020-06-08	Kenny YIN	Initial

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1 Product Description

The antenna is designed for superior performance, and can be widely used for wireless applications.

We provide comprehensive antenna design support such as simulation, testing and manufacturing for custom antenna solutions to meet your specific application needs.

2 Product Features

- Cellular 5G MIMO
- High efficiency
- Excellent performance



3 Product Specifications

Passive Electrical Specifications

Frequency Range	700–960 MHz/1710–2700 MHz/3300–5000 MHz
Input Impedence	50 Ω
VSWR	≤ 5.0
Gain	≤ 3 dBi
Polarization Type	Linear

Mechanical Specifications

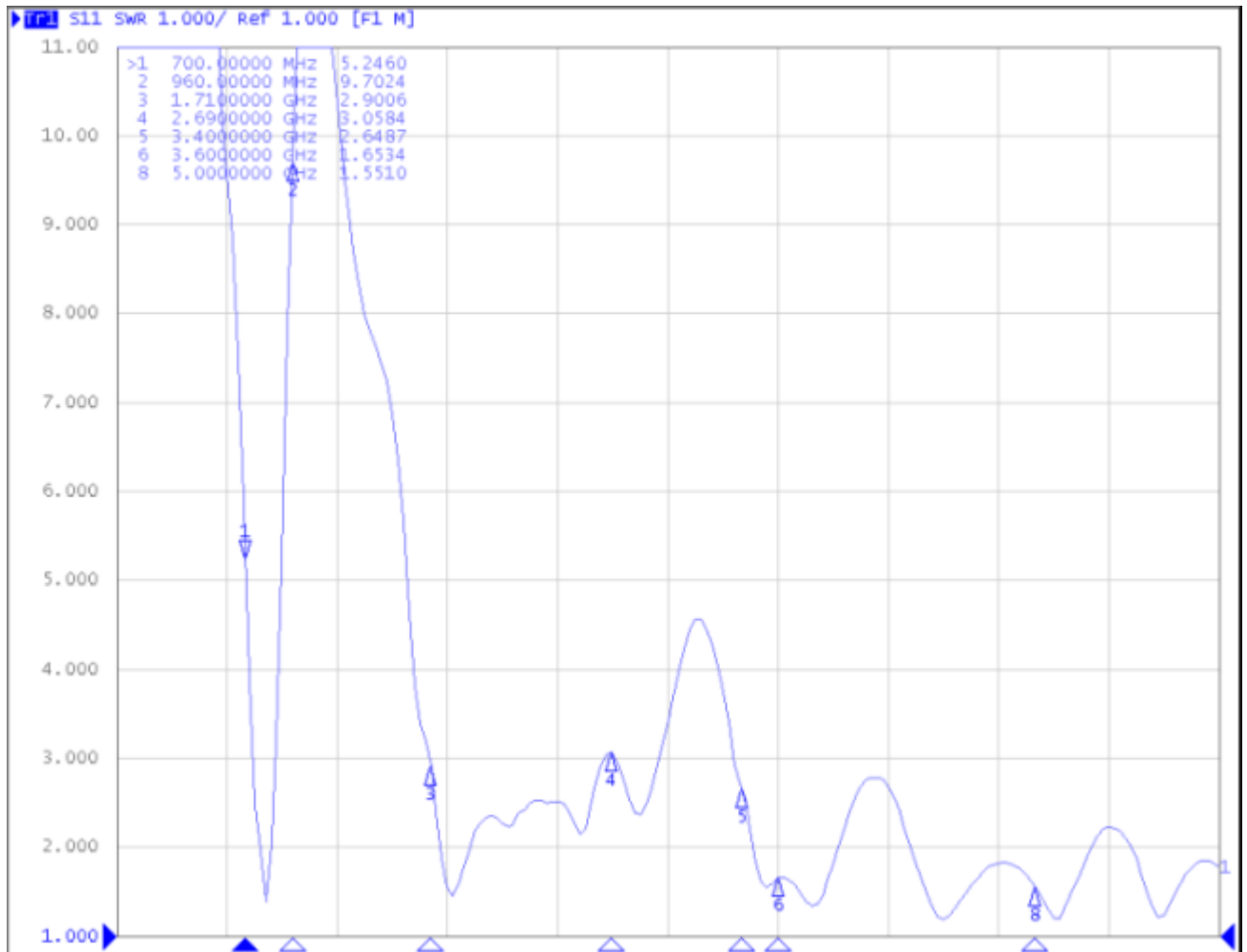
Antenna Size	50.25 mm x 20.1 mm x 10.1mm
Casing	ABS
Radiator	Cuprum
Working Temperature	-40 °C to +75 °C
Radome Color	Black

4 Overall Performance

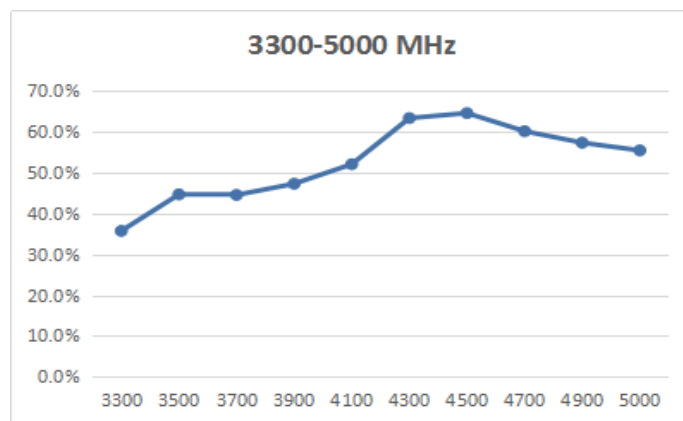
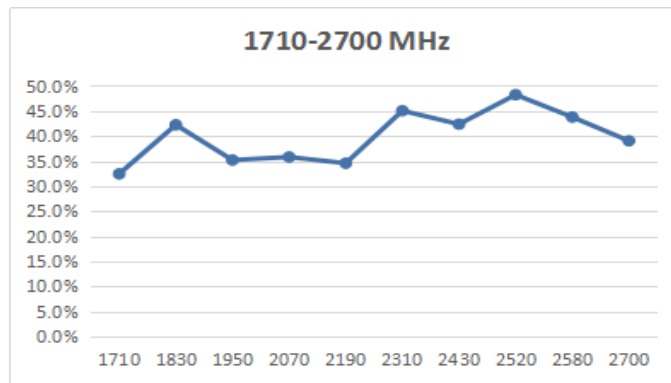
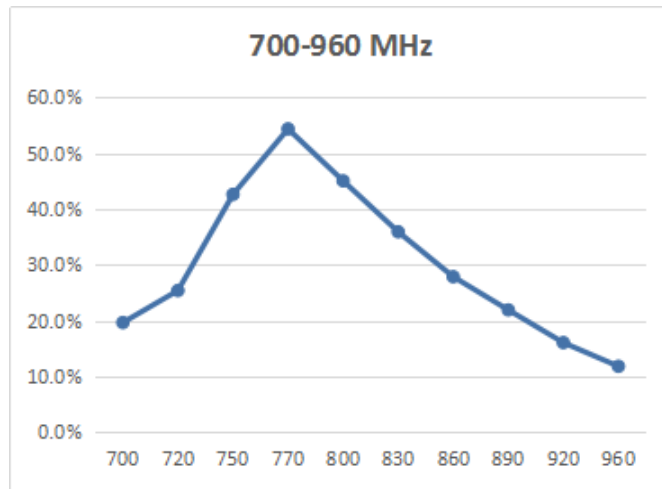
- Test Environment
 - KEYSIGHT VNA Network Analyzer E5063A 100 kHz – 6.5 GHz
 - RayZone® 2800 Chamber 5G (FR1) SISO/MIMO 400 MHz – 6.0 GHz



● VSWR

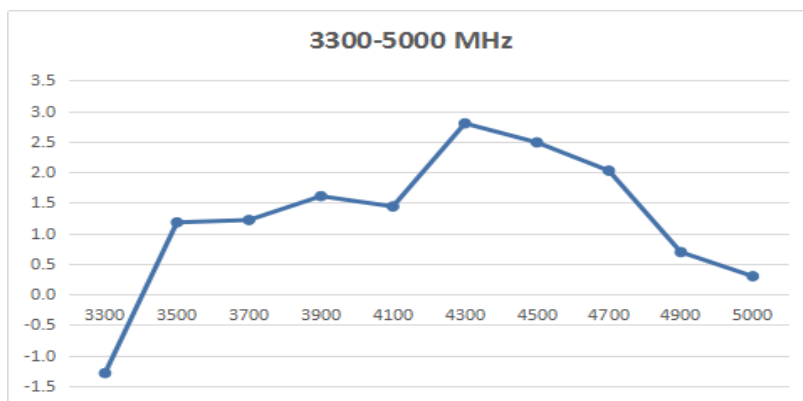
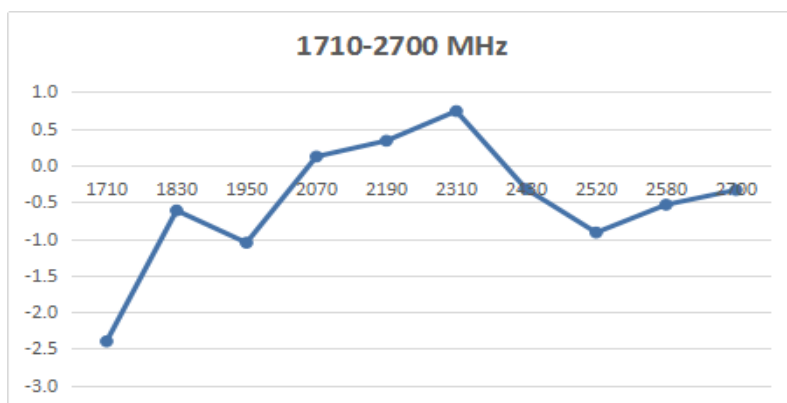
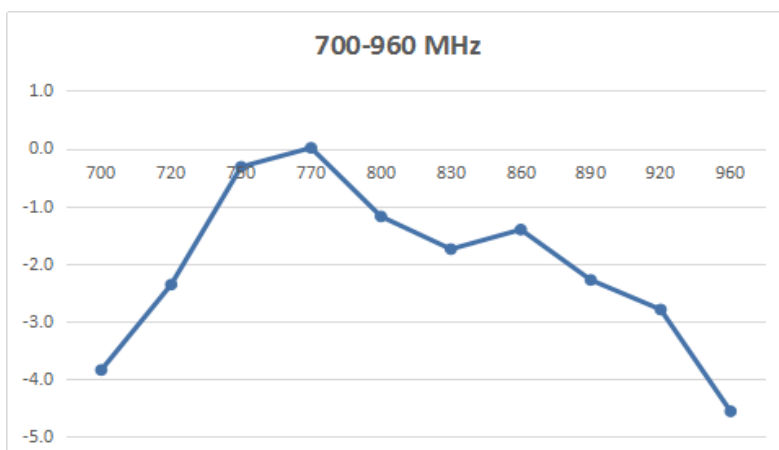


● Efficiency



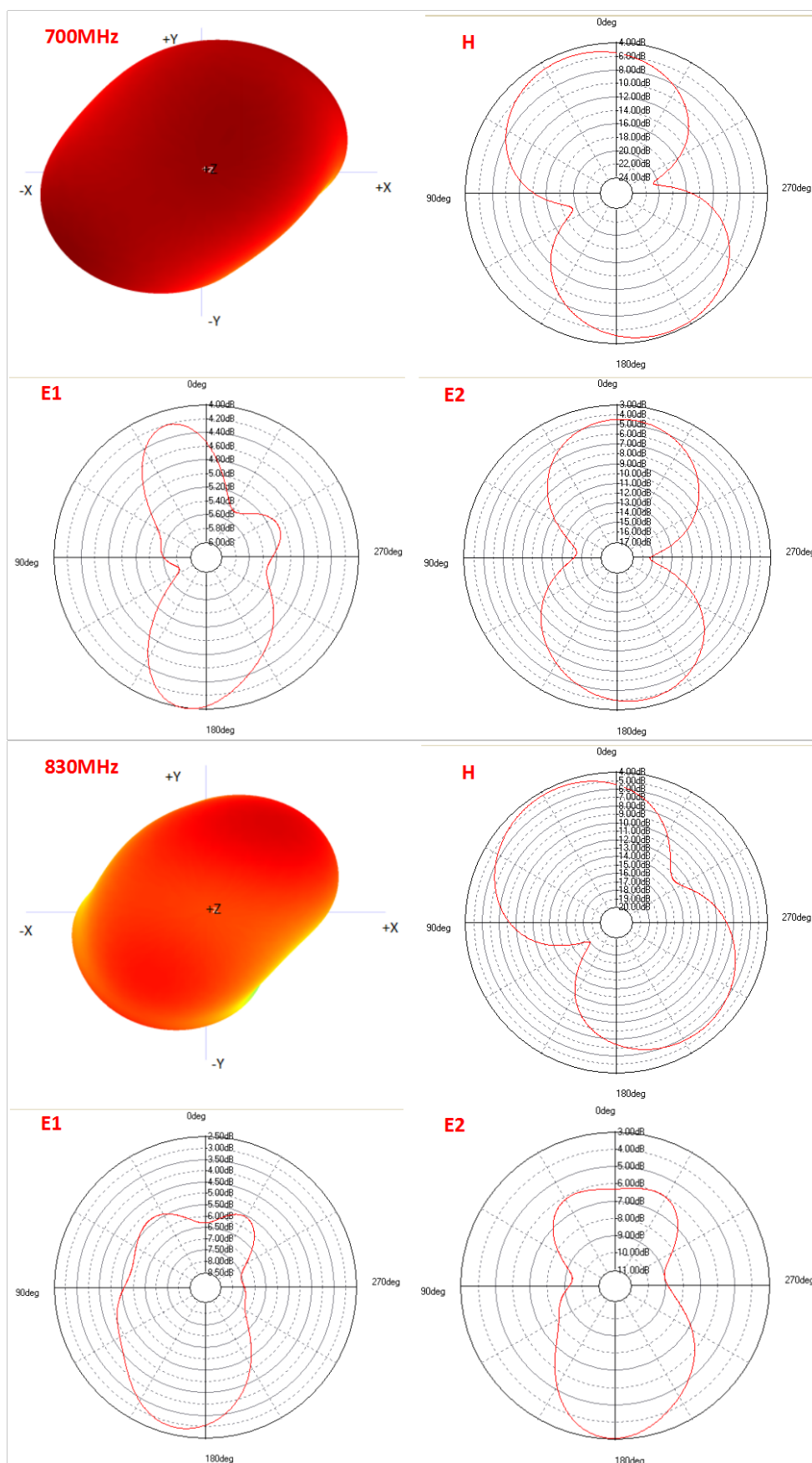
Frequency (MHz)	700	830	960	1710	2190	2700	3300	4100	5000
Efficiency (%)	19.7	35.9	11.8	32.5	34.6	39.0	35.7	52.1	55.5

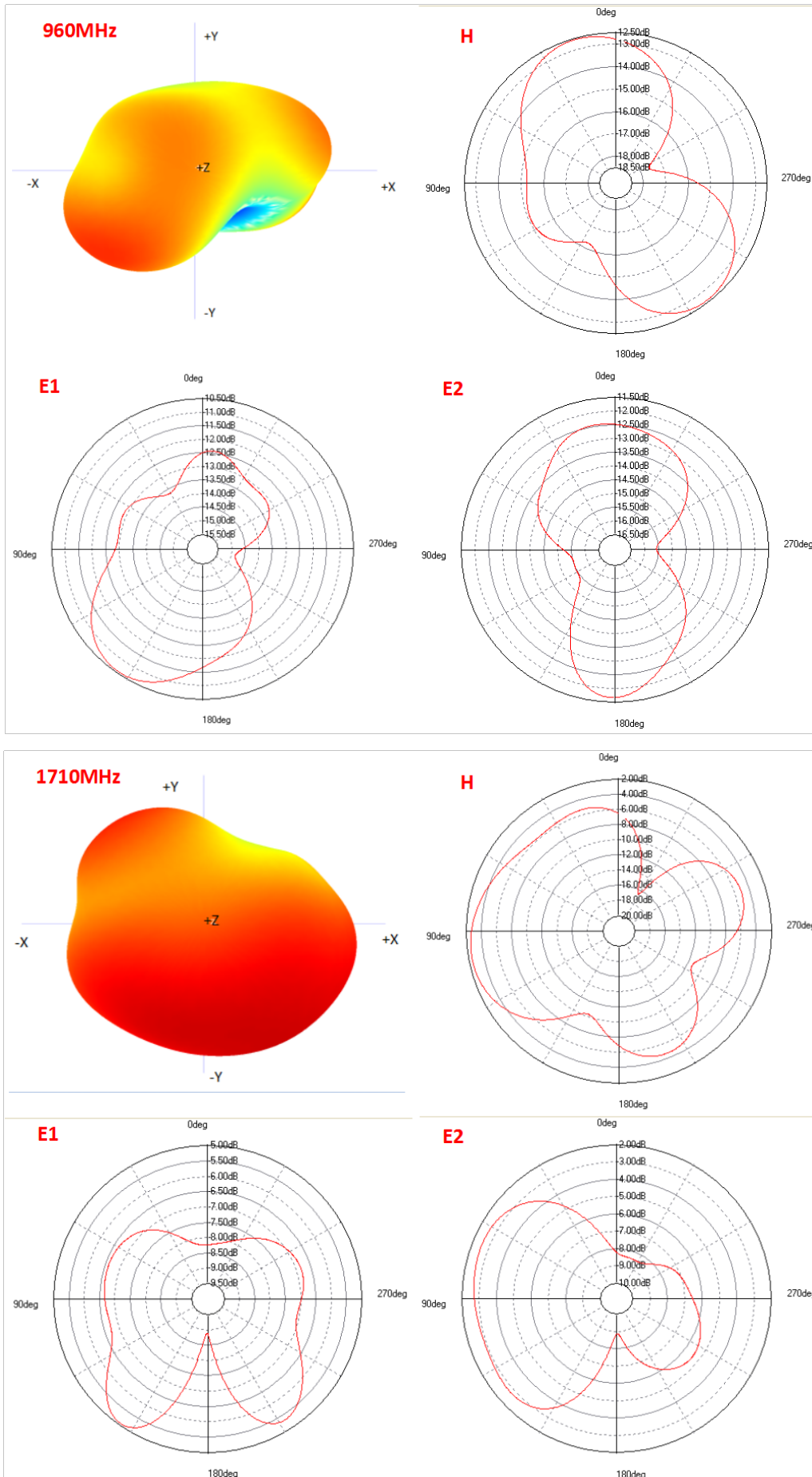
● Gain

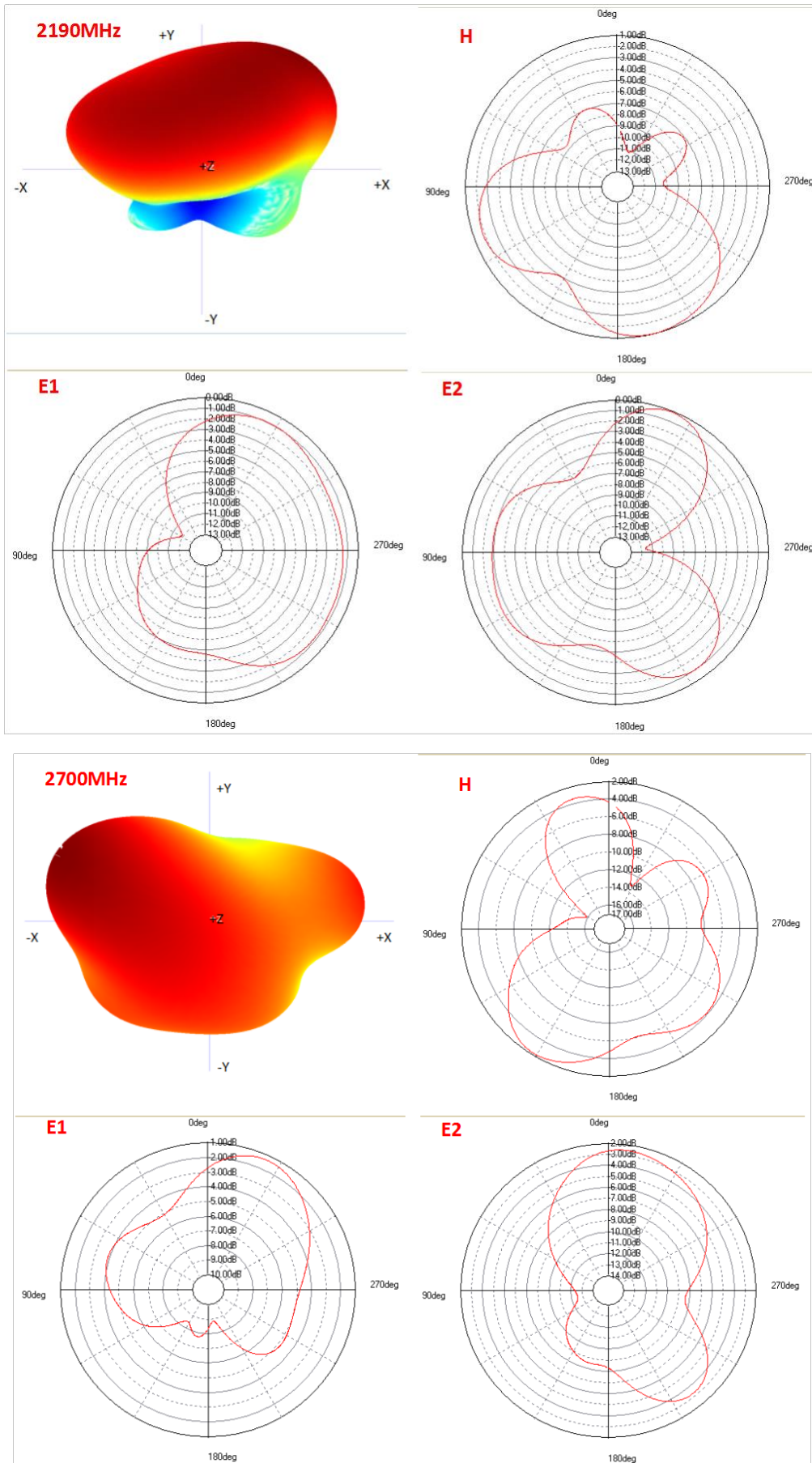


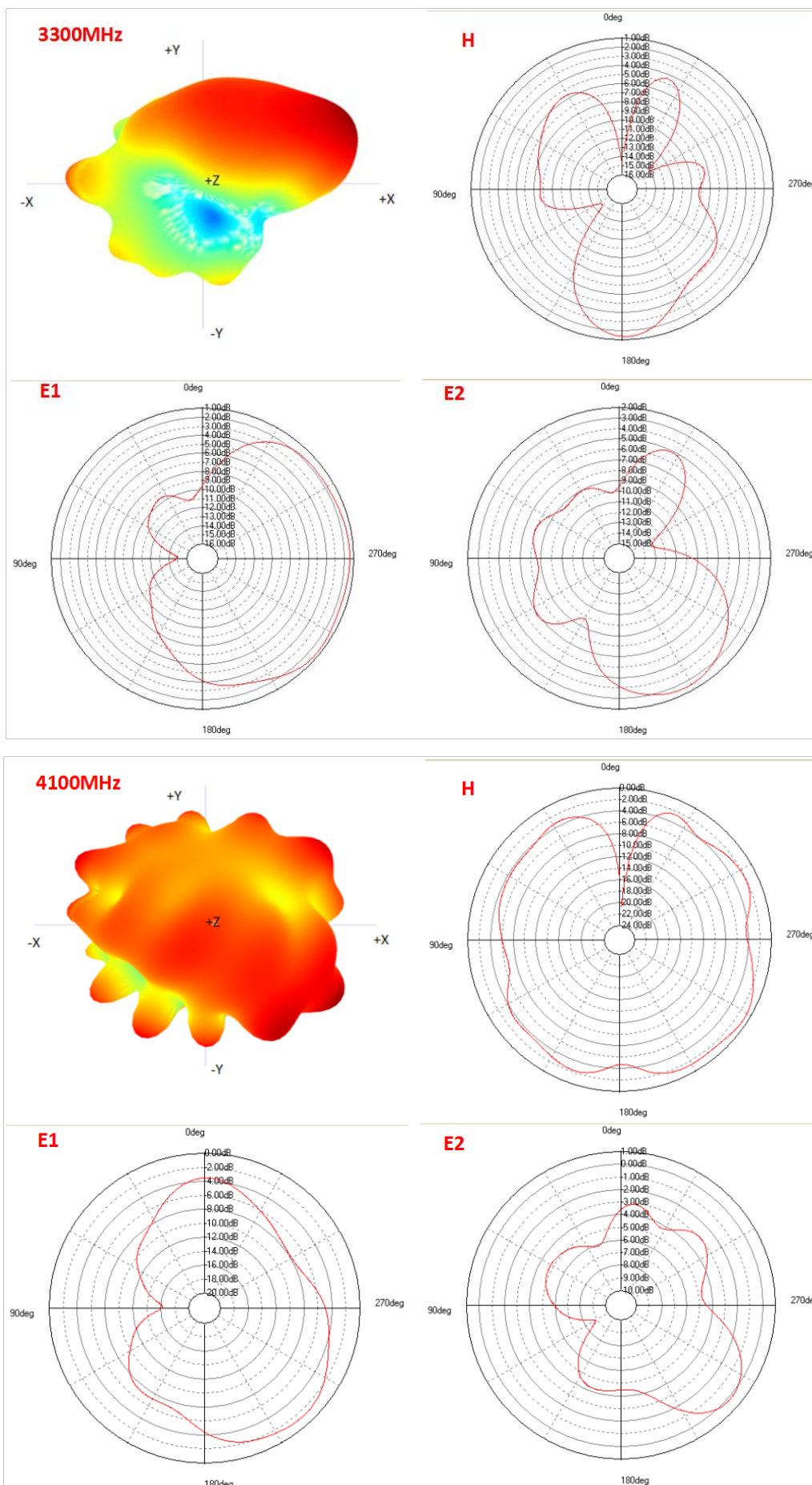
Frequency (MHz)	700	830	960	1710	2190	2700	3300	4100	5000
Gain(dBi)	-3.9	-1.8	-4.6	-2.4	0.3	-0.3	-1.3	1.4	0.3

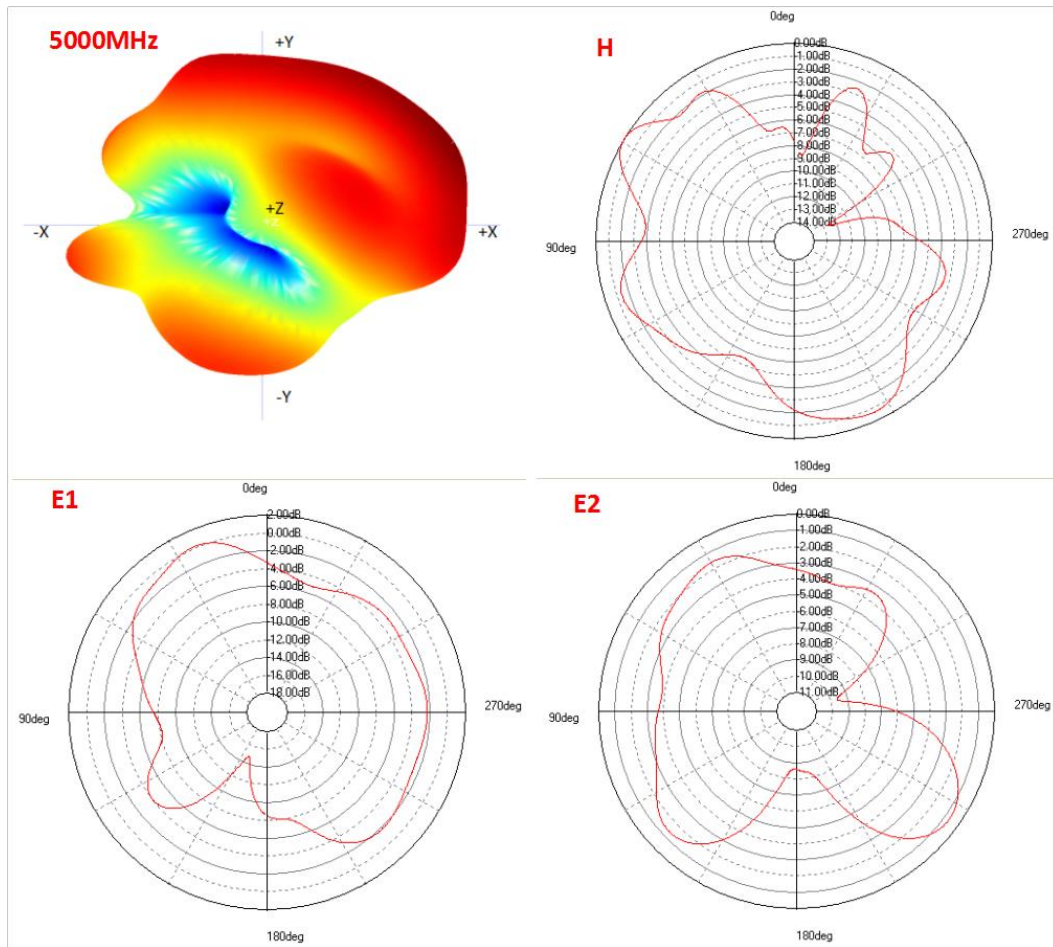
● Radiation Patterns











5 Product Size

