

2JF0188P-2.4

Ultra Wide Band Flexible Polymer Adhesive Mount Antenna

Key Features

2.4-10.6 UWB

- 2412-2484 MHz
- 3100-10600 MHz

Self-Adhesive

UWB Compatible

High Performance

Flexible Material

Ground Plane Independent

Dimensions 40 × 20 × 0.2 mm

Customizable Cable and Connector



1. Antenna and electrical specifications

Parameters	UWB Antenna		UWB	
Standards	WIFI / Bluetooth		7 GHz	
Band (MHz)	2.4 GHz	3 GHz	6000-8200	9 GHz
Frequency (MHz)	2412-2484	3100-5000	~9.9	8200-10600
Return Loss (dB)	~-10.3	~-13.5	~-2.2	~-8.0
VSWR	~1.9:1	~1.7	~63.5	~2.5
Efficiency (%)	~84.6	~77.2	~8.6	~57.9
Peak Gain (dBi)	~0.8	~4.7	~-2.0	~8.5
Average Gain (dB)	~-0.7	~1.1		~-2.4
Impedance (Ohm)	50			
Polarisation	Linear			
Radiation Pattern	Omni-Directional			
Max. Input Power (W)	10			
Connector Type	U.FL Standard (Other Connectors Available)			
Cable Length	100mm Standard			
Cable Type	1.37mm Mini-Coax Standard			

Antenna Measurement Conditions:

Mounted on 30 x 30 x 0.2 cm ABS Plate

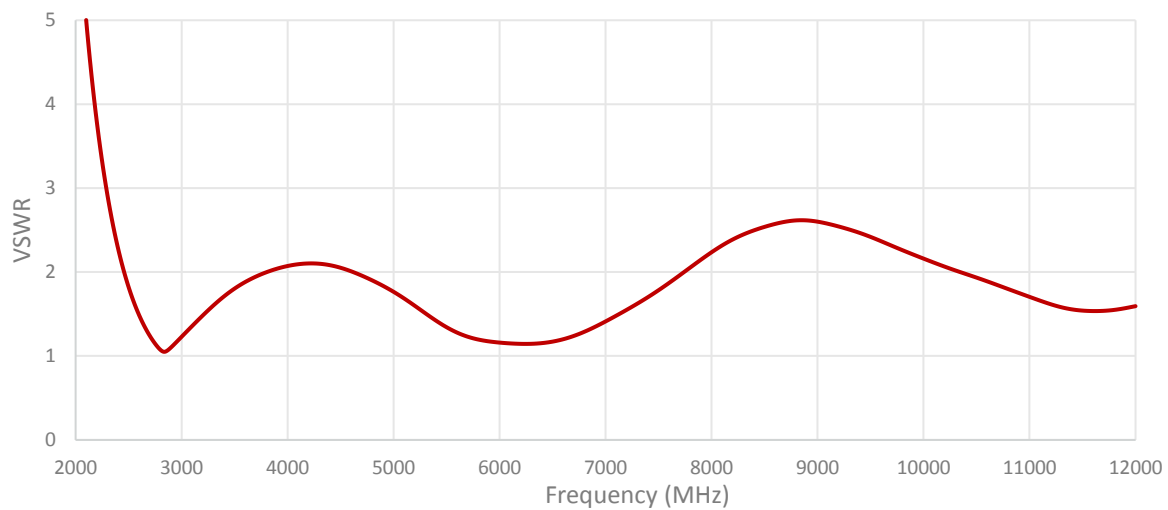
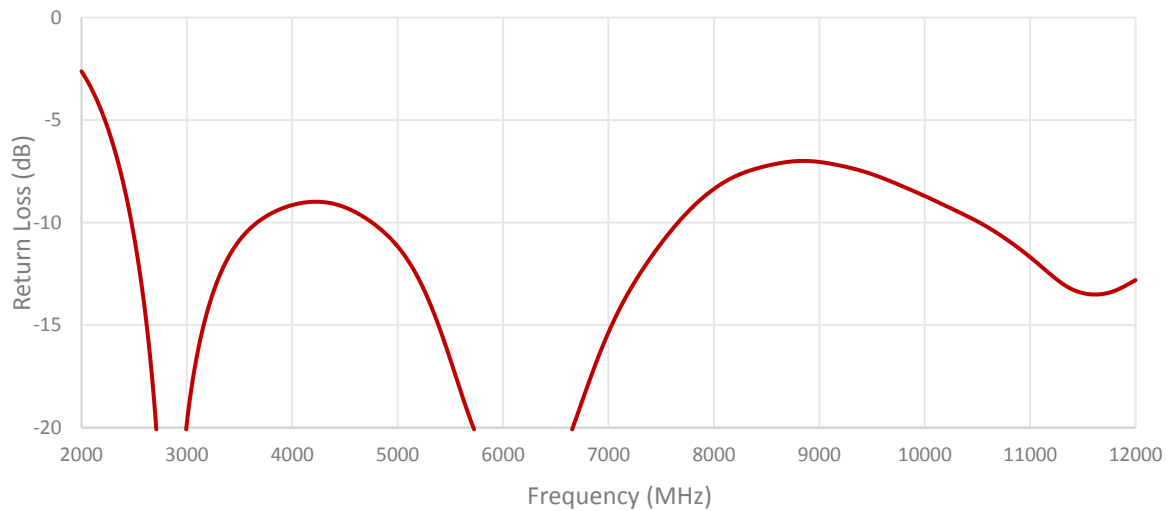
100mm MC137 Micro-Coax U.FL Connector

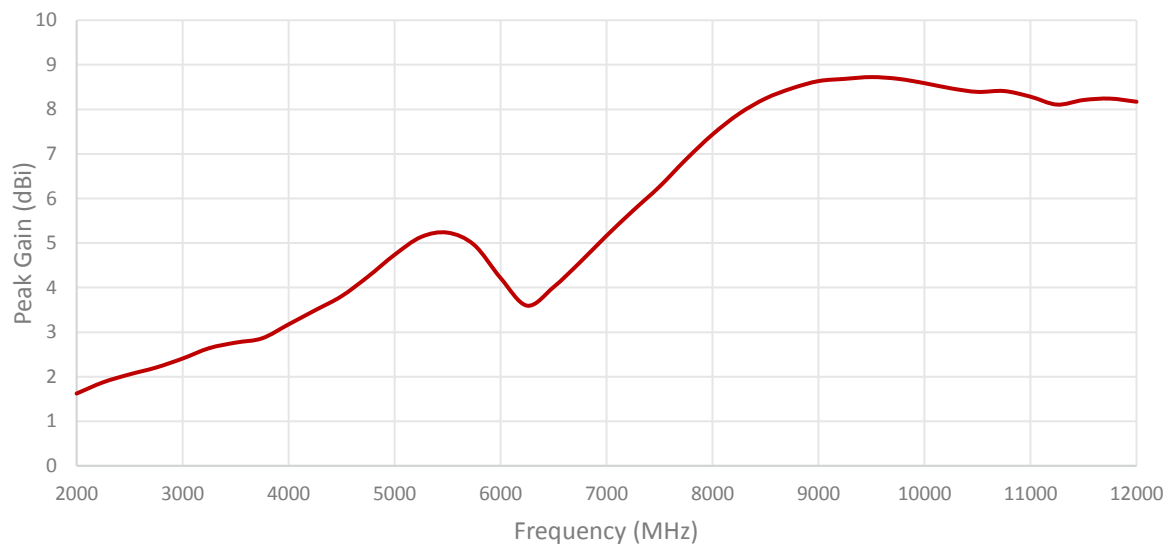
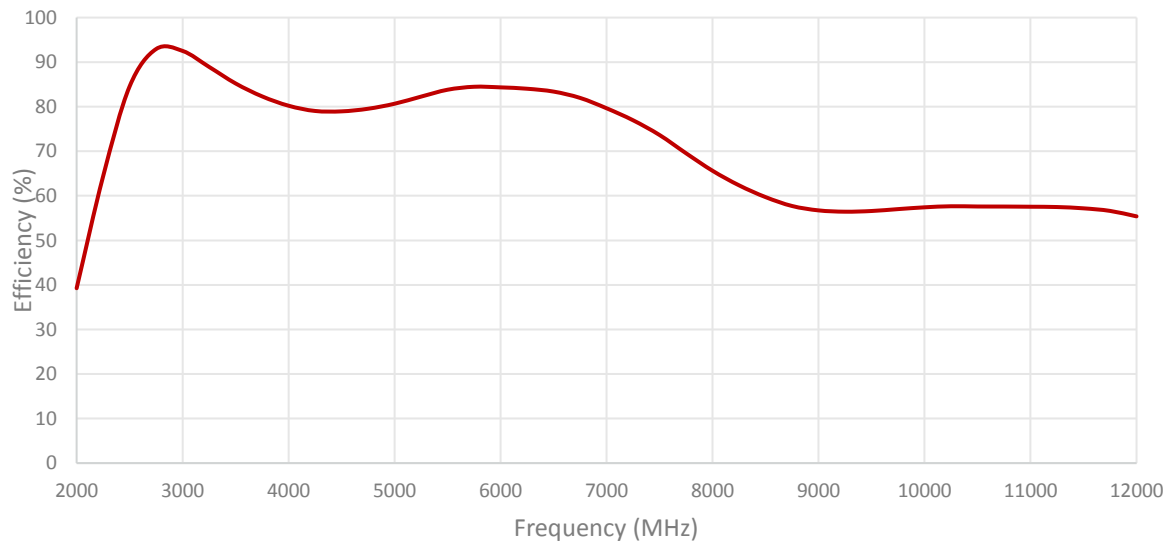
Measured in Certified CTIA 3D Anechoic Chamber / CST Microwave Studio

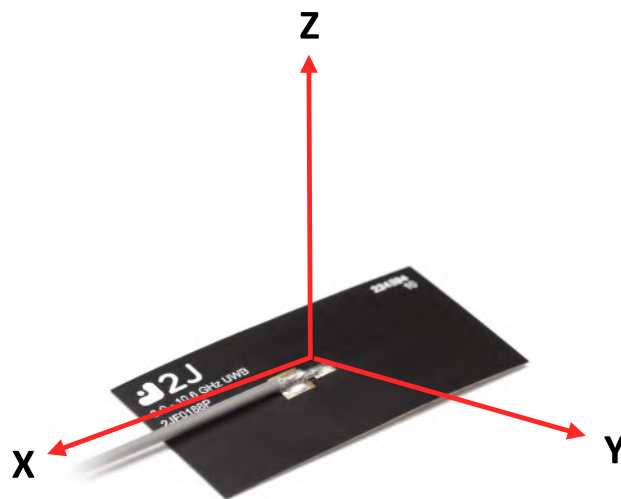
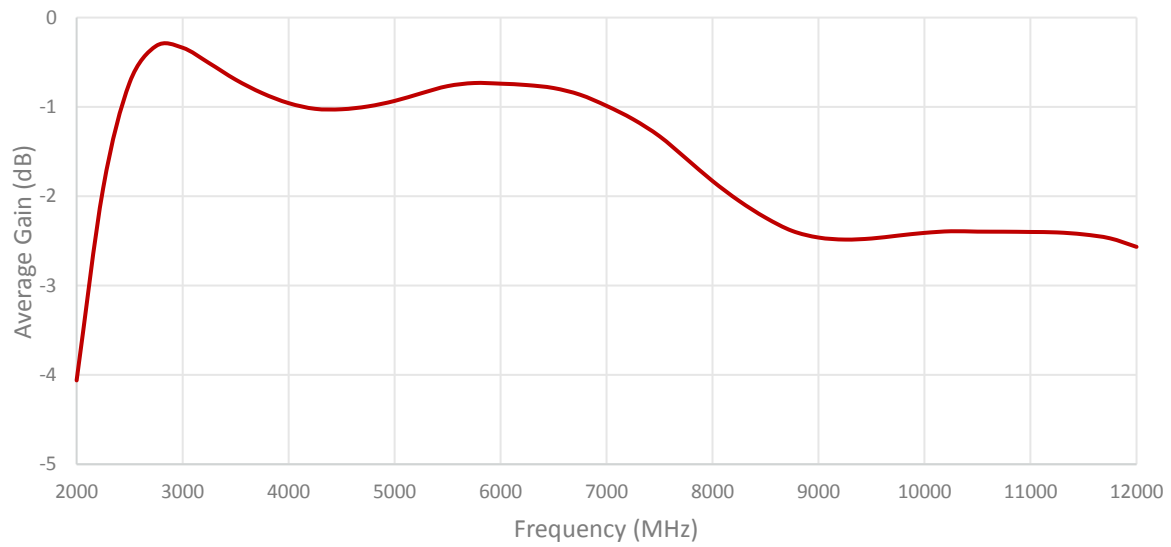
2. Mechanical and environmental specifications

Specifications	2JF0188P-2.4
Mounting Type	Self-Adhesive
Dimensions (mm)	40 × 20 × 0.2
Adhesive Type	3M 467MP
Material	Flexible Polymer
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS

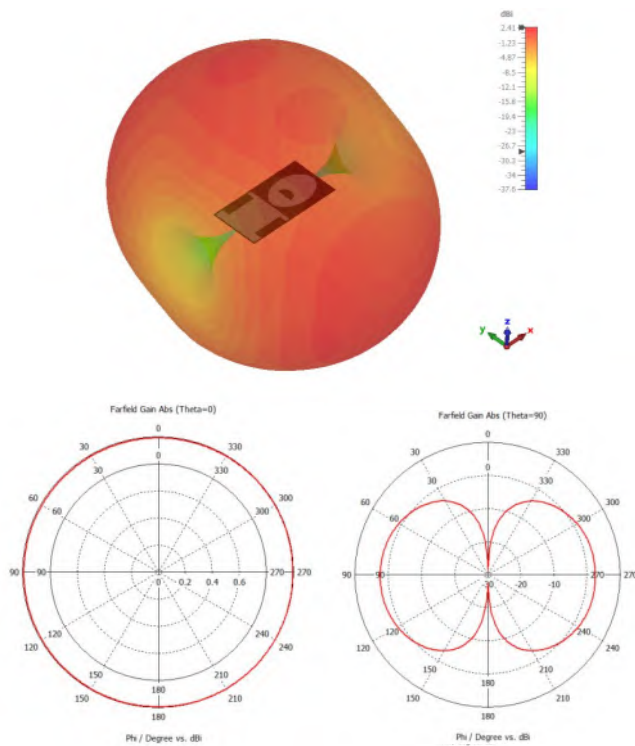
3. Antenna parameters



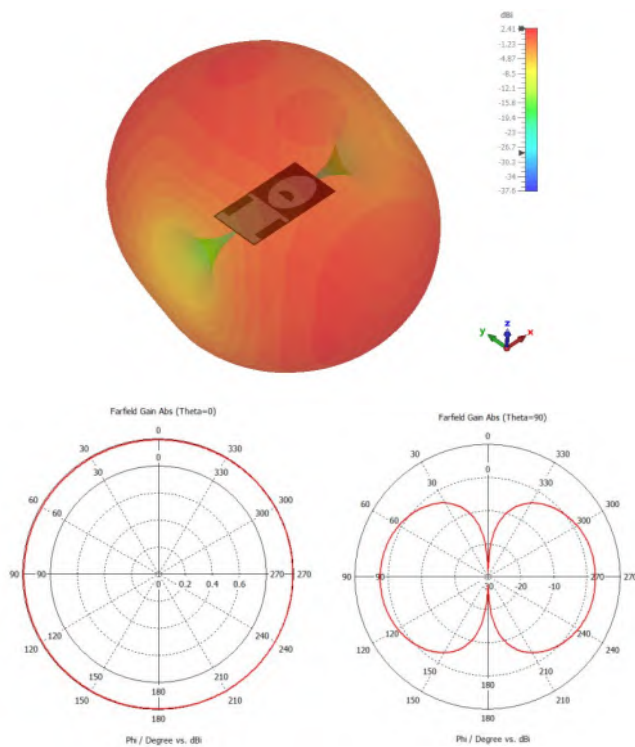




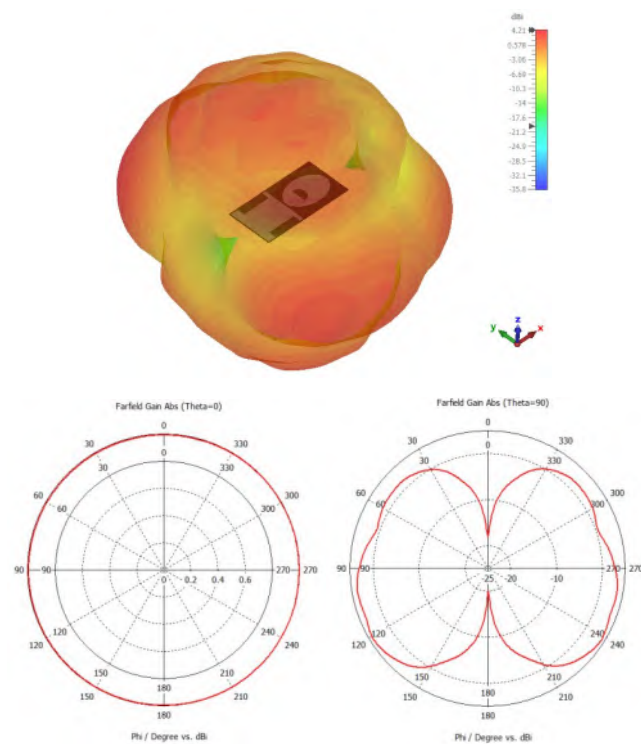
Radiation pattern reference



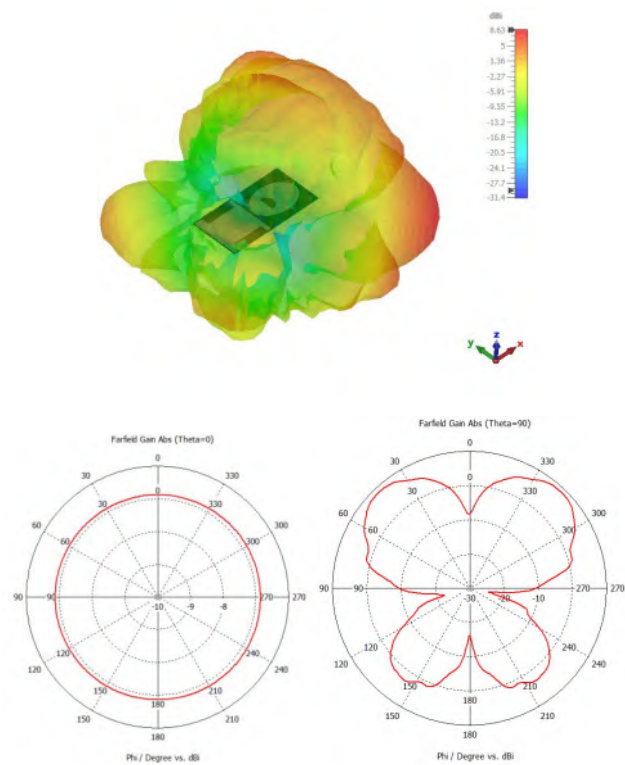
3000 MHz Radiation pattern



3000 MHz Radiation pattern

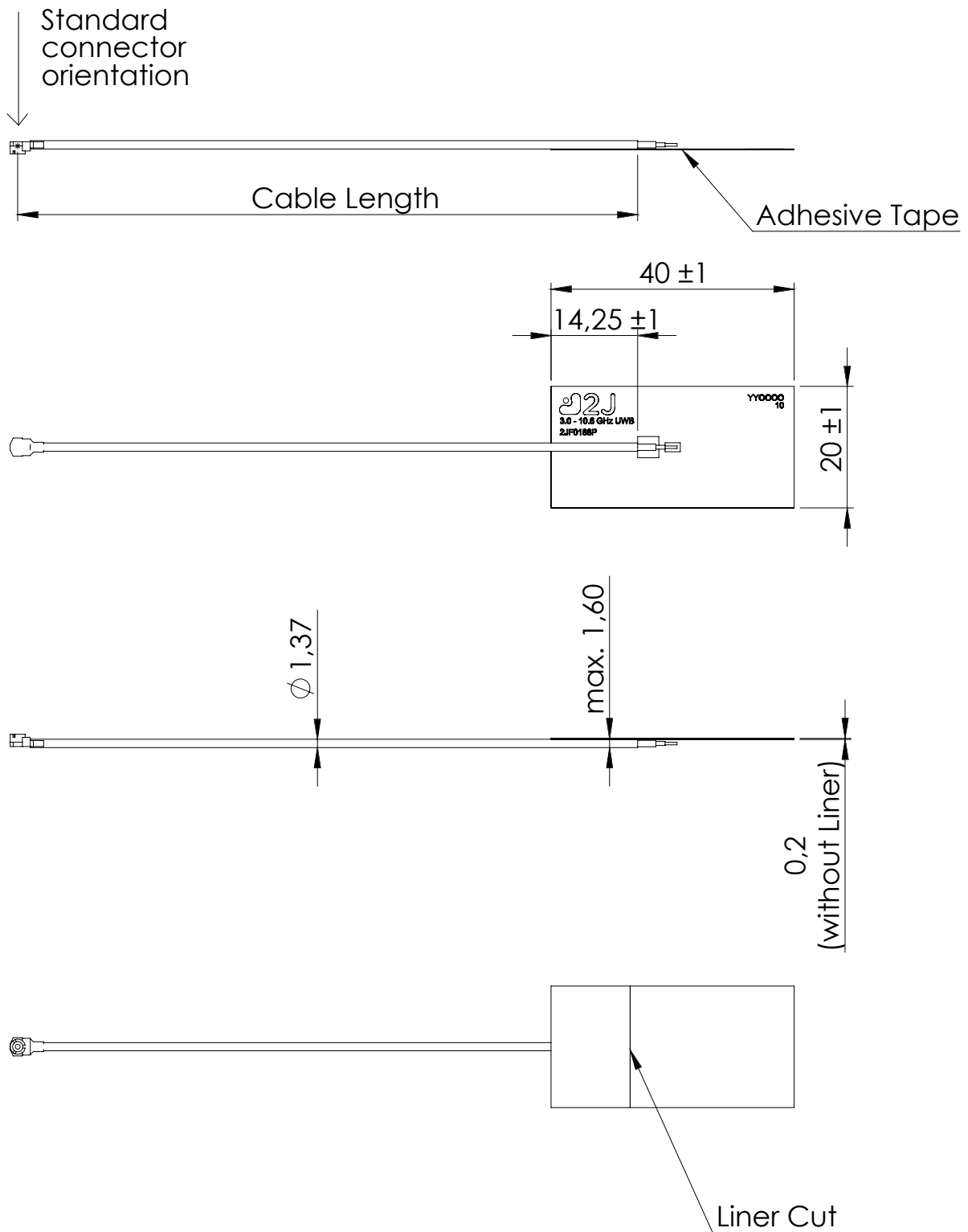


9000 MHz Radiation pattern



9000 MHz Radiation pattern

4. Antenna drawings



5. Antenna Images

