

ANT036 Dual Band Antenna with an Adapter Cable

ANT036 Antenna

ANT036 antenna consists of:

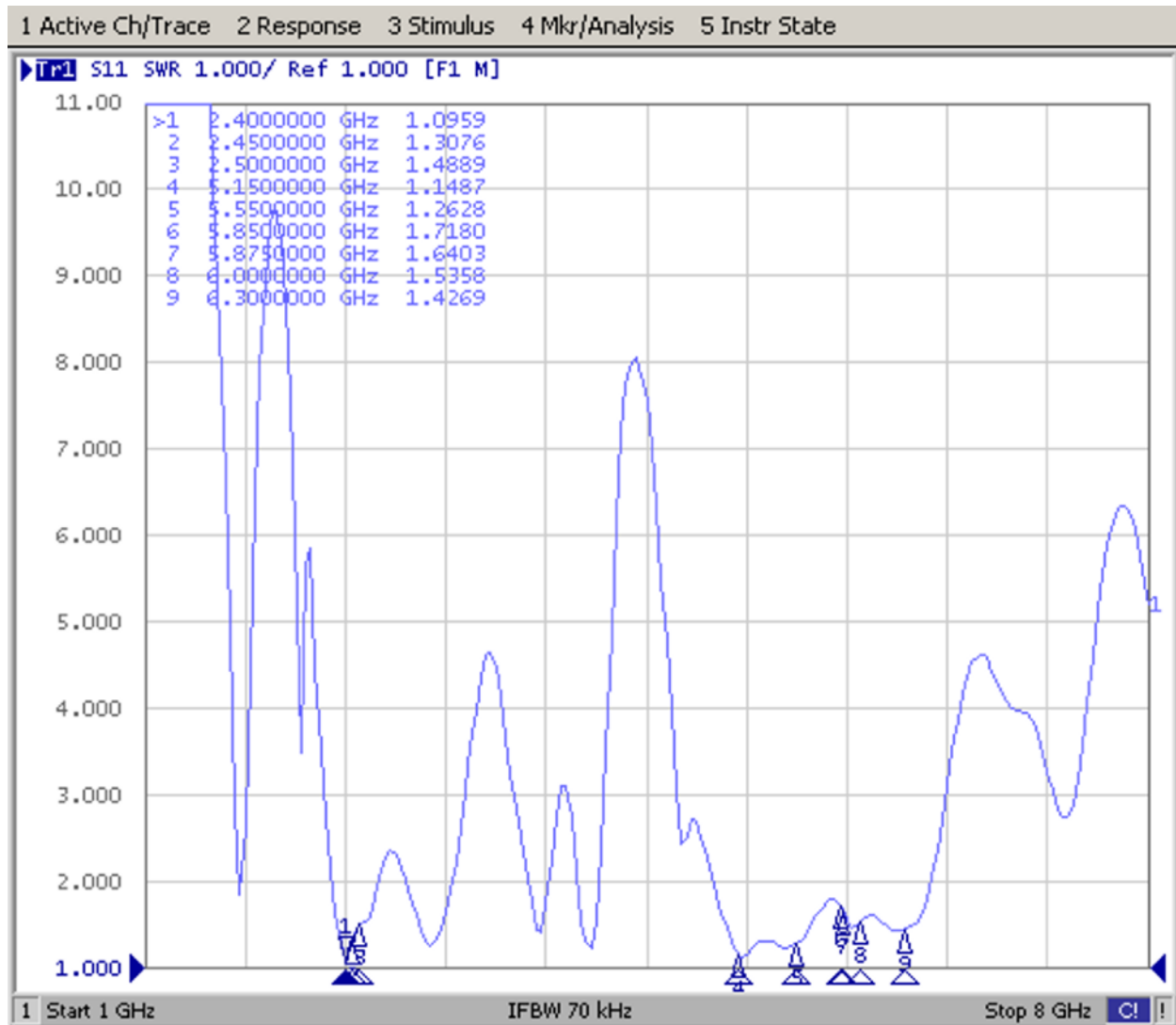
- an antenna for 2.4GHz and 5 GHz WiFi 6 applications with an SMA connector.
- Antenna with adjustable mounting angle.
- an SMA connector to u.FL connector adaptor cable, length is 100 mm.
- panel mounting hardware at SMA connector side of adaptor cable.



Common Specifications

Transmission Parameters	
Frequency (MHZ)	2400-2500/5000-5800
Voltage Standing Wave Ratio (VSWR)	≤2.0
Gain (dBi)	3.18 dBi
Radiation Pattern	Omni
Polarization	Linear
Input Impedance (ohm)	50
Maximum power (W)	
Mechanical Parameters	
Connector	SMA
Antenna Length x Width (MM)	158.8 x 17.7
Shell Material	ABS
Environmental Parameters	
Operating temperature	-30°C~80°C
Operating Humidity	40~85%

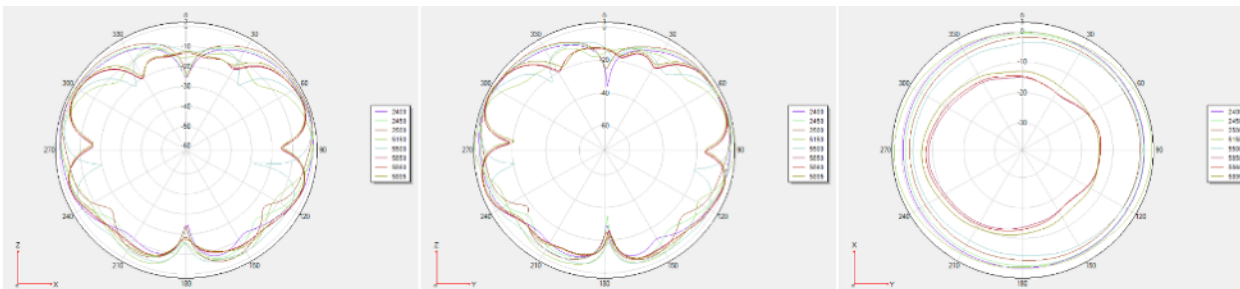
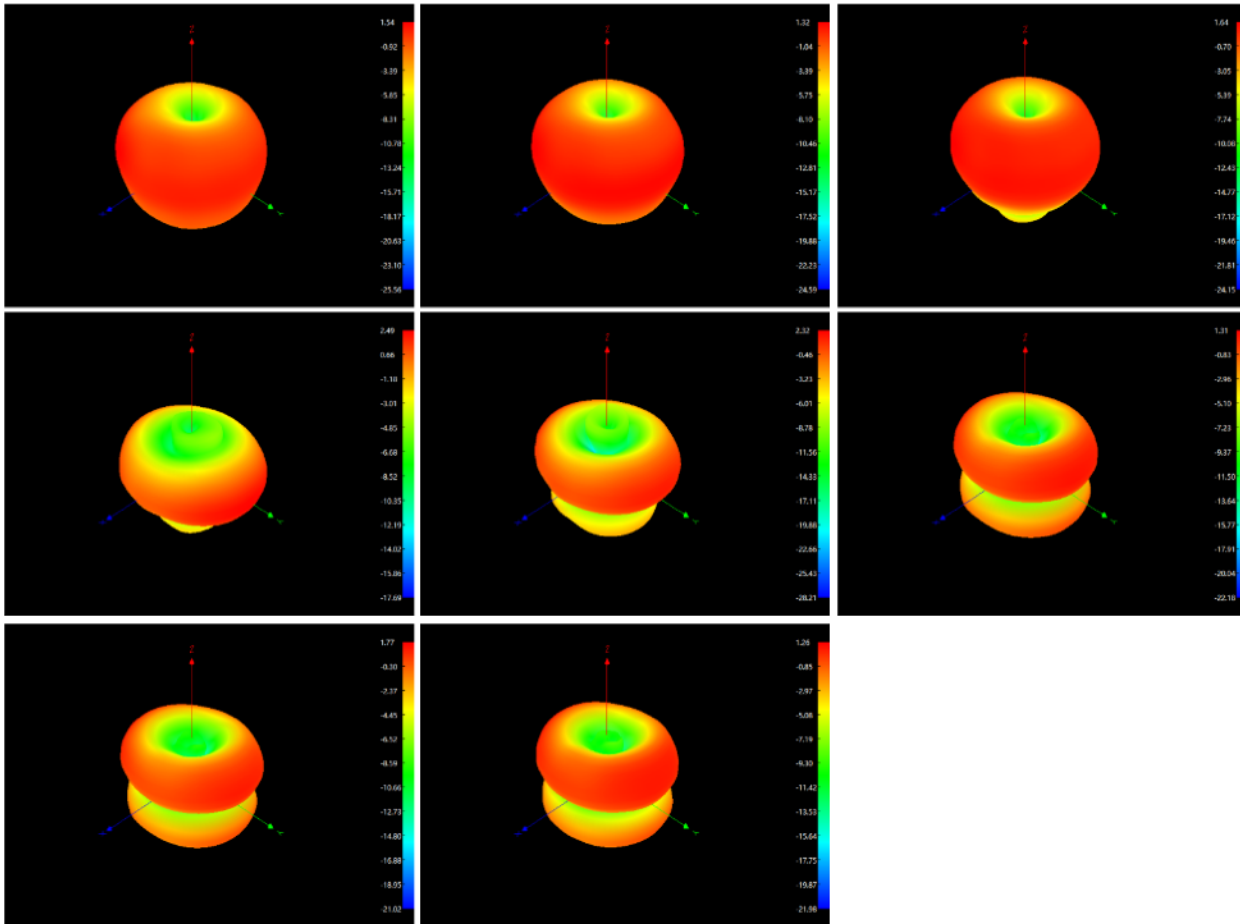
Antenna Standing Wave Ratio



Antenn Gain

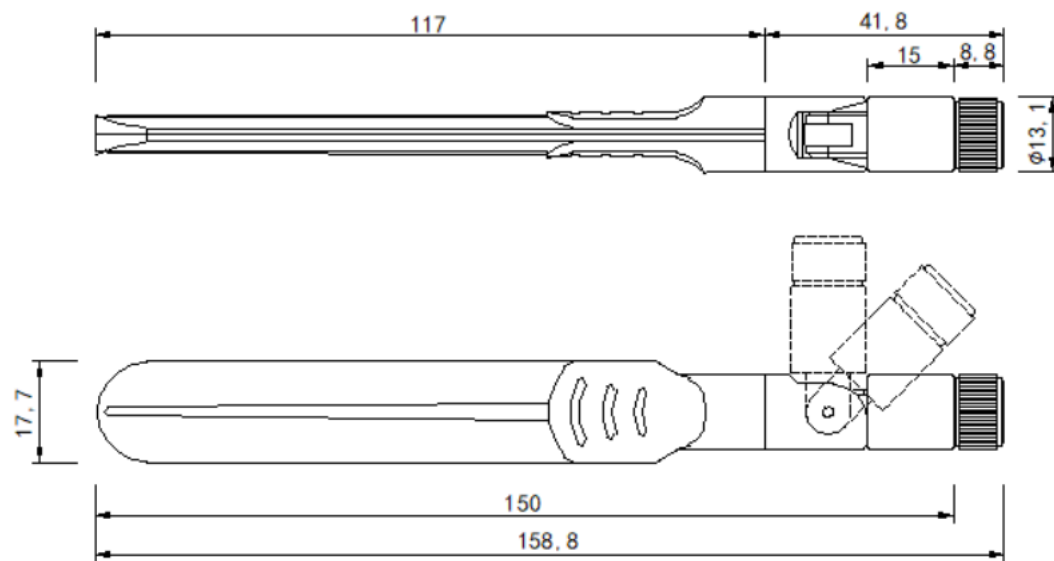
Frequency/Mhz	Efficiency / %	MaxGain/dBi
2400	61.94	1.54
2410	60.53	1.31
2420	62.66	1.52
2430	61.66	1.34
2440	62.37	1.31
2450	61.66	1.32
2460	61.94	1.23
2470	61.52	1.44
2480	61.38	1.38
2490	62.37	1.89
2500	57.94	1.64
5150	52.6	2.49
5200	58.34	3.13
5250	56.23	3.01
5300	53.7	2.93
5350	53.33	2.96
5400	53.95	3.18
5450	49.66	2.64
5500	49.2	2.32
5550	53.33	2.69
5600	52.84	2.75
5650	53.21	2.39
5700	50.12	2.16
5750	48.19	1.93
5800	45.6	1.42
5850	44.36	1.31
5860	45.92	1.77
5865	46.67	1.67
5870	46.34	1.37
5875	45.81	1.47
5880	47.86	1.75
5885	49.55	1.91
5890	47.53	1.52
5895	45.39	1.26

Radiation Patterns



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Mechanical Drawings



Test Equipment and Set Up

The following test equipment are used.

- Network Analyzer: Agilent 8753D, 5071B
- Communication test set: Agilent E5515C
- Test set up is below.

