



This 5G Antenna is designed for use with 5G modules and devices that require high efficiency and peak gain to deliver best in class throughput on all major cellular (5G/4G/3G/2G) bands worldwide for access points, terminals and routers. The antenna has an SMA connector and swivel mechanism that allows the antenna to be rotated.

It exhibits 50~80% efficiency across the wideband Sub 6G and is backwards compatible with 5G/4G/3G/2G cellular applications such as 5G, LTE, GSM, UMTS, Wi-Fi. With high efficiency on every cellular band globally it is an ideal solution for any device requiring high, reliable performance but in a slim form factor. It is also guaranteed to meet any type of approval or carrier certification requirements from an RF standpoint.

Applications:

5G CPE / Camera

5G Devices

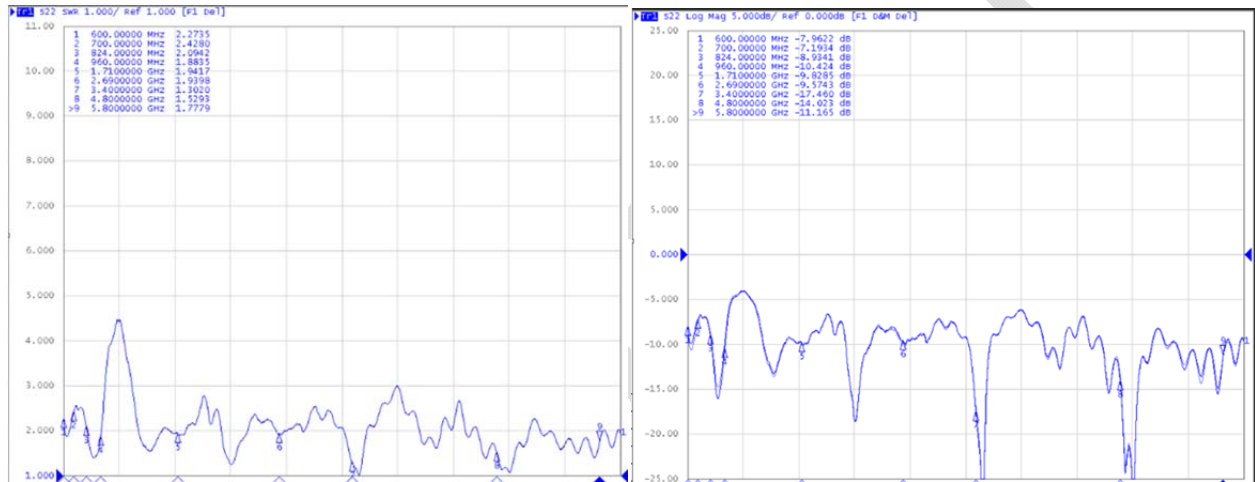
Electrical Specifications	
Frequency	600MHz-6GHz
Polarization	Linear Vertical
Nominal Impedance	50Ω
VSWR	<3
Max input power	2W
Mechanical	
Planner Dimention	221*26.95mm
Casing	PC+ABS
Connector	SMA(M/F)
Appearance Color	Black
Weight	28.3g
Environmental	
Temperature Range	-40°C to 85°C
Humidity	Non-condensing 65°C 95% RH

Antenna Characteristics

Frequency(MHz)									
5G NR	LTE 700	GSM	DCS	PCS	UMTS	LTE2600	5G NR	5G NR	LTE 5200
Band 71		850/900							WIFI 5800
617-698	698-824	824-960	1710-1880	1850-1990	1920-2170	2300-2690	3300-3500	3600-4600	5150-5925
Efficiency (%)									
59.1	48.7	51.3	58.8	55.3	52.7	64.3	51.1	46.1	51.3
Peak Gain(dBi)									
1.96	1.36	2.03	2.11	1.14	1.02	-0.41	1.12	0.04	2.35

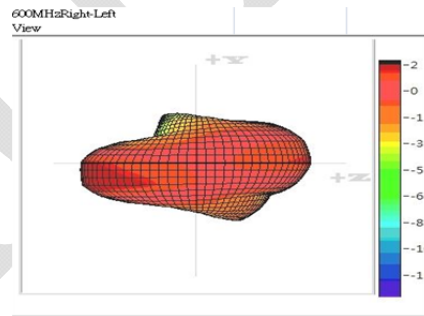
VSWR

Return Loss

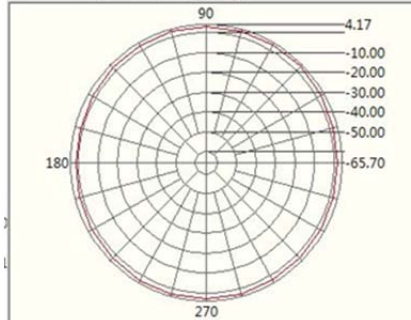


2D & 3D Radiation Patterns

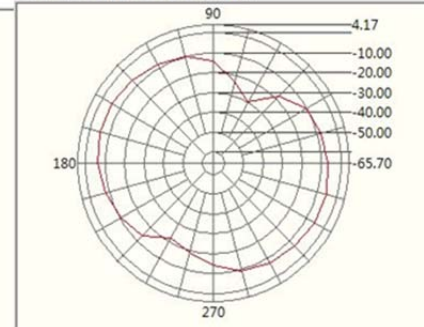
600MHz



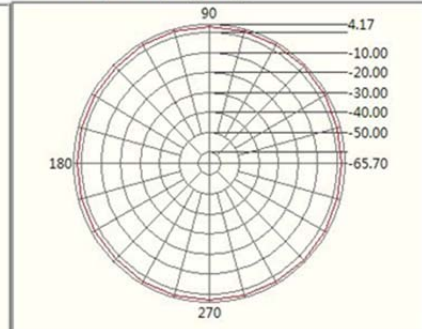
600MHz@Theta
90.0
Horizontal
Excel XY Plot (Value dB / Angle deg.)



600MHz@Theta
90.0
Vertical
Excel XY Plot (Value dB / Angle deg.)



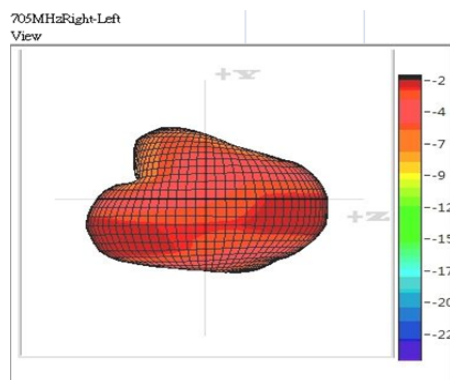
600MHz@Theta
90.0
Total
Excel XY Plot (Value dB / Angle deg.)



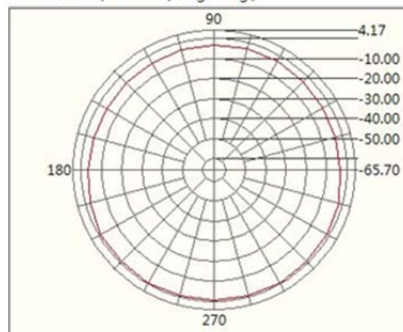
PERFECT STATUS, ALWAYS SEEKS FOR THE BETTER.
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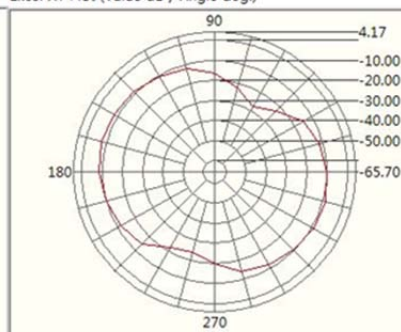
705MHZ



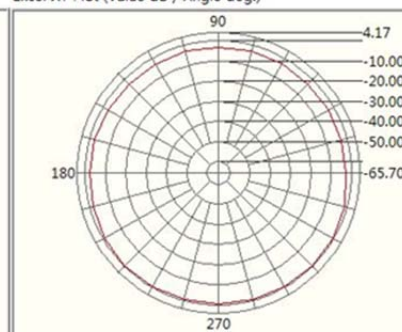
705MHz@Theta
90.0
Horizontal
Excel XY Plot (Value dB / Angle deg.)



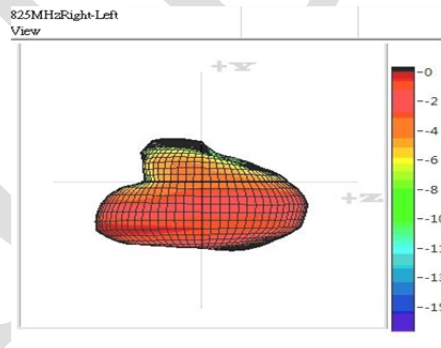
705MHz@Theta
90.0
Vertical
Excel XY Plot (Value dB / Angle deg.)



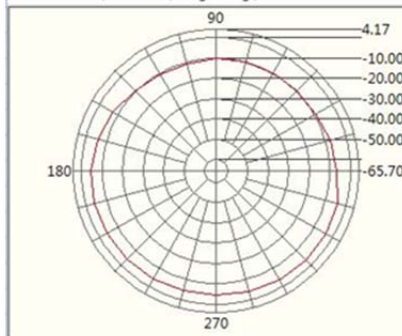
705MHz@Theta
90.0
Total
Excel XY Plot (Value dB / Angle deg.)



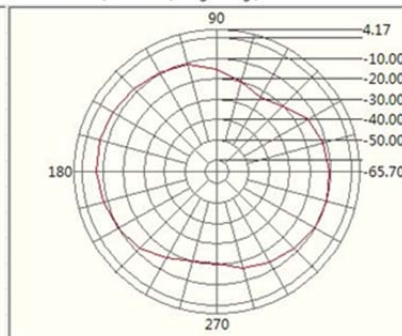
825MHZ



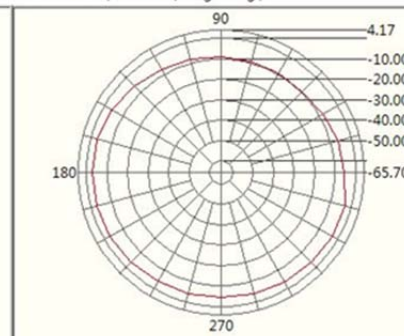
825MHz@Theta
90.0
Horizontal
Excel XY Plot (Value dB / Angle deg.)



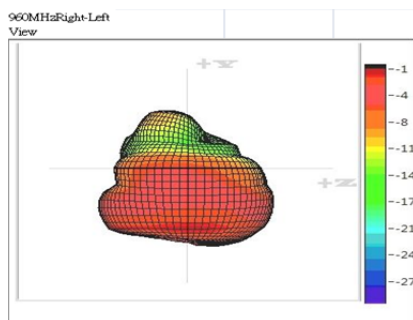
825MHz@Theta
90.0
Vertical
Excel XY Plot (Value dB / Angle deg.)



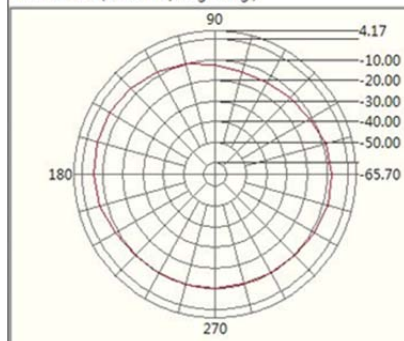
825MHz@Theta
90.0
Total
Excel XY Plot (Value dB / Angle deg.)



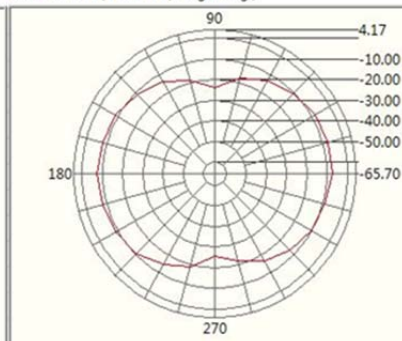
960MHz



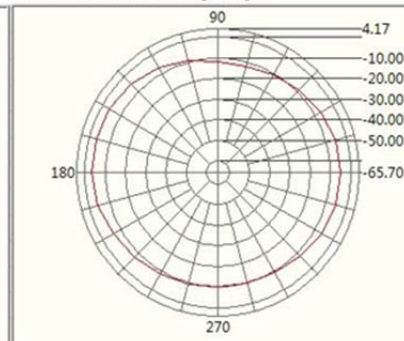
960MHz@Theta
90.0
Horizontal
Excel XY Plot (Value dB / Angle deg.)



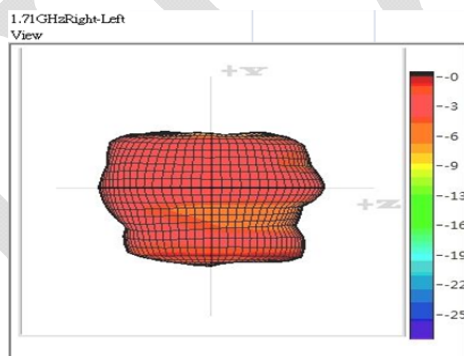
960MHz@Theta
90.0
Vertical
Excel XY Plot (Value dB / Angle deg.)



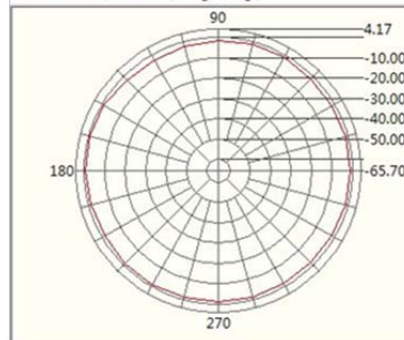
960MHz@Theta
90.0
Total
Excel XY Plot (Value dB / Angle deg.)



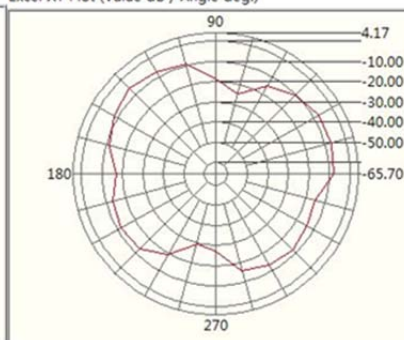
1710MHz



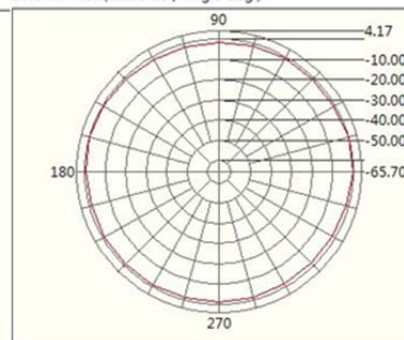
1.71GHz@Theta
90.0
Horizontal
Excel XY Plot (Value dB / Angle deg.)



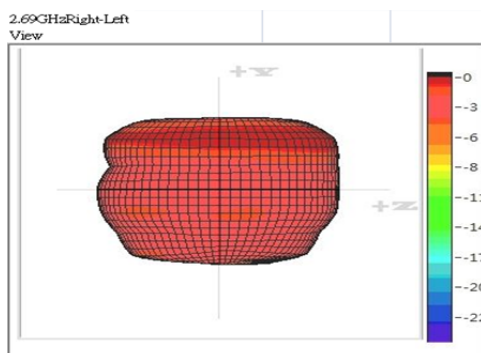
1.71GHz@Theta
90.0
Vertical
Excel XY Plot (Value dB / Angle deg.)



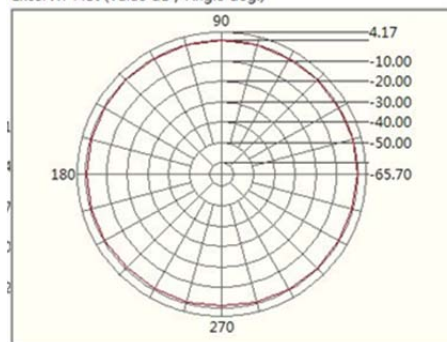
1.71GHz@Theta
90.0
Total
Excel XY Plot (Value dB / Angle deg.)



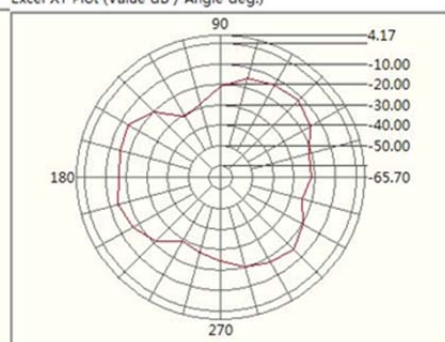
2690MHz



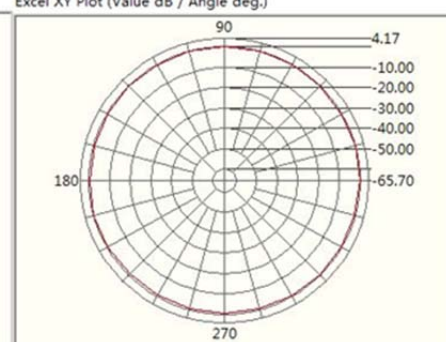
2.69GHz@Theta
90.0
Horizontal
Excel XY Plot (Value dB / Angle deg.)



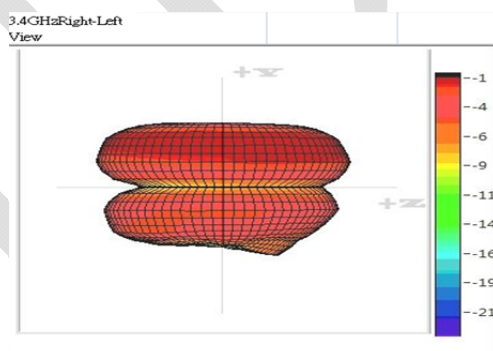
2.69GHz@Theta
90.0
Vertical
Excel XY Plot (Value dB / Angle deg.)



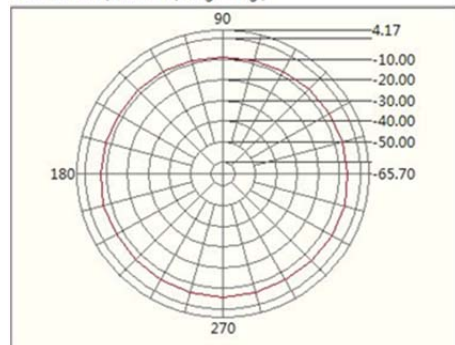
2.69GHz@Theta
90.0
Total
Excel XY Plot (Value dB / Angle deg.)



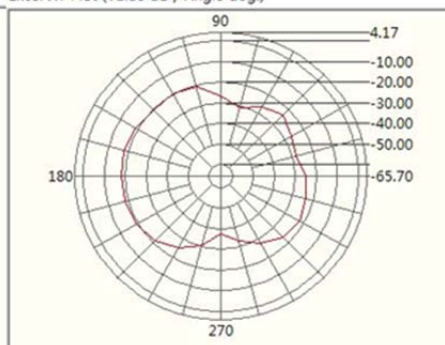
3400MHz



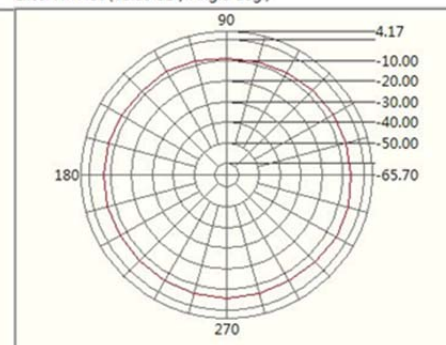
3.4GHz@Theta
90.0
Horizontal
Excel XY Plot (Value dB / Angle deg.)



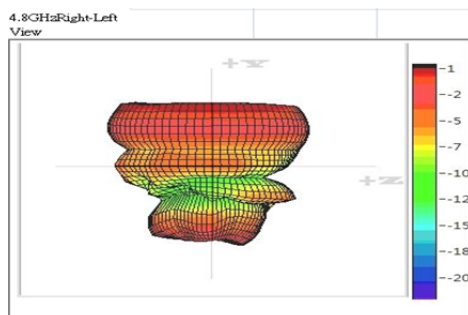
3.4GHz@Theta
90.0
Vertical
Excel XY Plot (Value dB / Angle deg.)



3.4GHz@Theta
90.0
Total
Excel XY Plot (Value dB / Angle deg.)



4800MHz

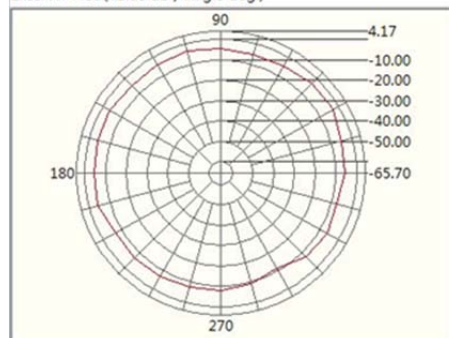


4.8GHz@Theta

90.0

Horizontal

Excel XY Plot (Value dB / Angle deg.)

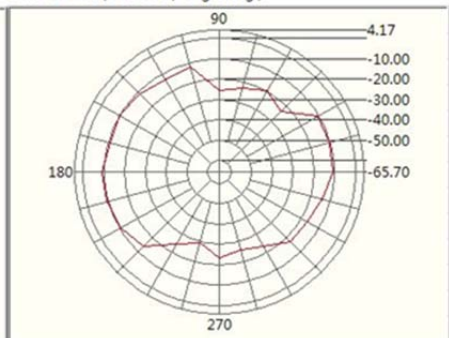


4.8GHz@Theta

90.0

Vertical

Excel XY Plot (Value dB / Angle deg.)

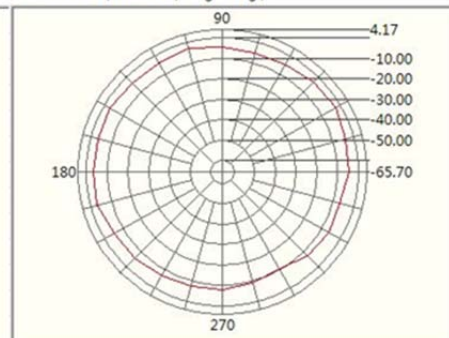


4.8GHz@Theta

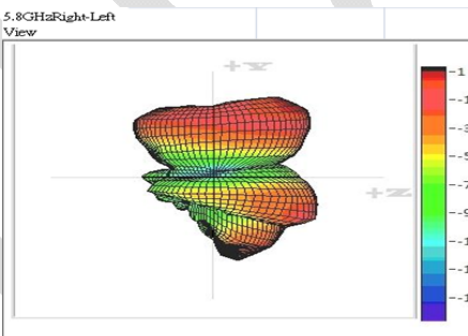
90.0

Total

Excel XY Plot (Value dB / Angle deg.)



5800MHz

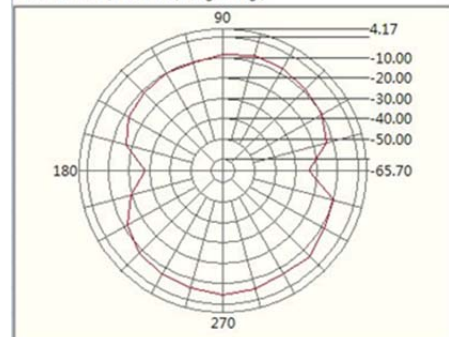


5.8GHz@Theta

90.0

Horizontal

Excel XY Plot (Value dB / Angle deg.)

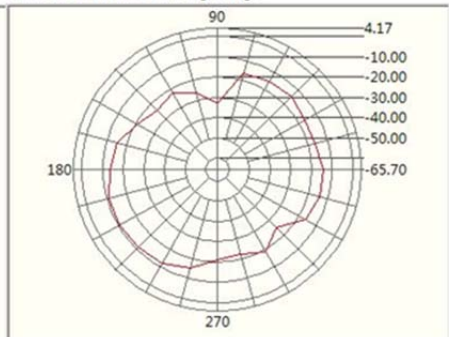


5.8GHz@Theta

90.0

Vertical

Excel XY Plot (Value dB / Angle deg.)

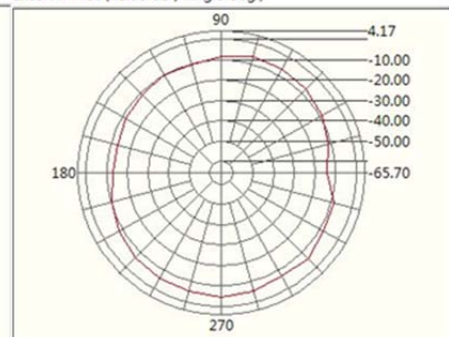


5.8GHz@Theta

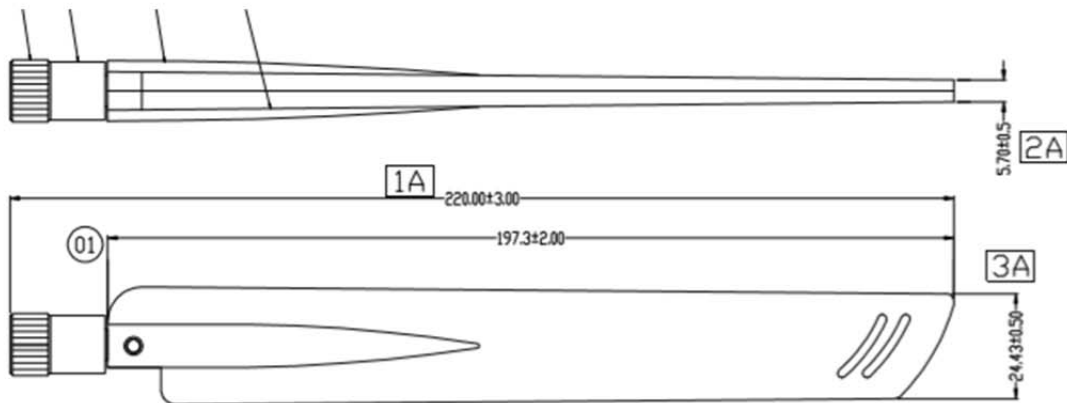
90.0

Total

Excel XY Plot (Value dB / Angle deg.)



Product Drawing



Auden is the world's leading antenna provider of wireless technology communication, established in 1981, more than 300 staffs in worldwide, and headquartered in Taoyuan Taiwan. We have R&D centers in Taiwan, Kunshan, Shenzhen and Xi'an to provide customers with faster and more direct services. Over the years, we have been devoting to antenna technology development in mobile communication, Networking, Internet of Things, Internet of Vehicles, smart homes, industrial applications, etc. And now, we already have developed Sub-6G antenna solutions and mmWave antenna module for various 5G applications. Auden believes "Perfect status, always seek for better", keep providing novel antenna technology, high-quality products and fast service to become your best partner.



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