

**POSTEK-AI UHF RFID ANTENNA
SPECIFICATIONS**

DATA: 2020.01.03

Catalogue

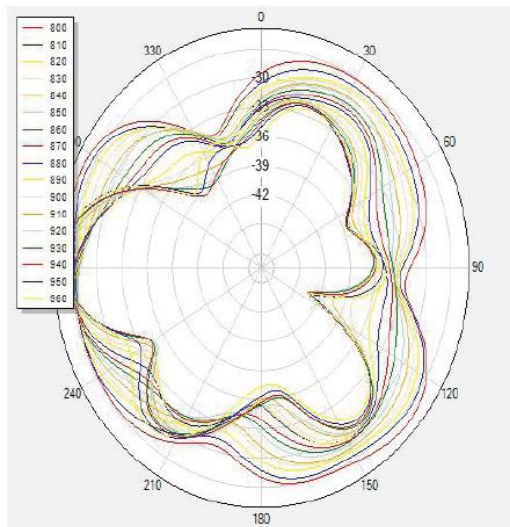
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1 Specifications

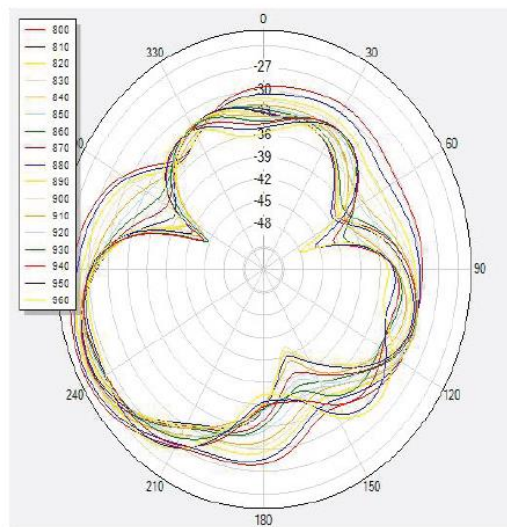
Antenna Type	PCB(FR4)						
Frequency Range (MHz)	800-960MHz						
Input Impedence (Ω)	50						
V. S. W. R	<1.09						
Gain (dBi) and Efficiency	Frequency(MHZ)	800	810	820	830	840	850
	Gain(dBi)	-22.57	-22.93	-23.41	-23.50	-23.77	-23.96
	Efficiency(%)	0.18	0.16	0.14	0.13	0.14	0.11
	Frequency(MHZ)	860	870	880	890	900	910
	Gain(dBi)	-24.18	-24.18	-24.42	-24.64	-24.67	-24.88
	Efficiency(%)	0.10	0.10	0.09	0.09	0.09	0.09
	Frequency(MHZ)	920	930	940	950	960	
	Gain(dBi)	-25.02	-24.92	-24.80	-24.79	-24.68	
Efficiency(%)	0.09	0.09	0.09	0.09	0.09		
Connector Type	SMA						
Polarization Type	linear polarization						
Color	Black						
Operating Temperature ($^{\circ}$ C)	0-40 $^{\circ}$ C						
Storage Temperature ($^{\circ}$ C)	-40 $^{\circ}$ C~80 $^{\circ}$ C						

1.1 Radiation Pattern

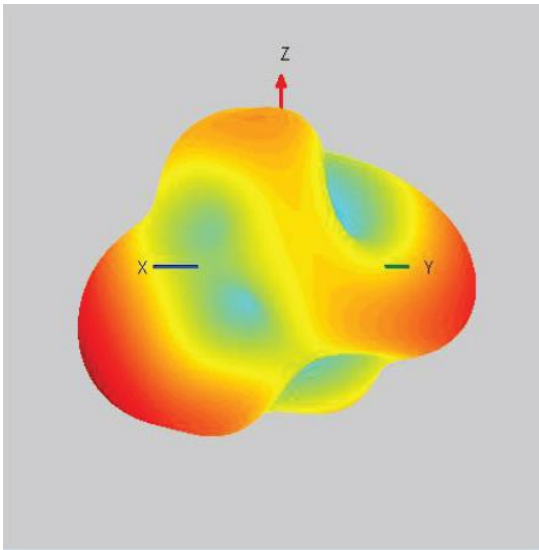
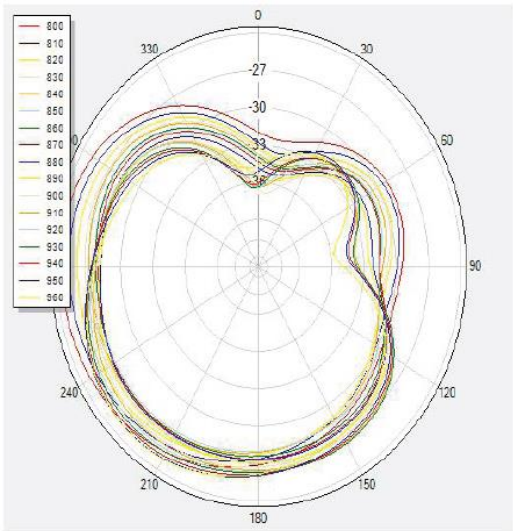
V Phi=0



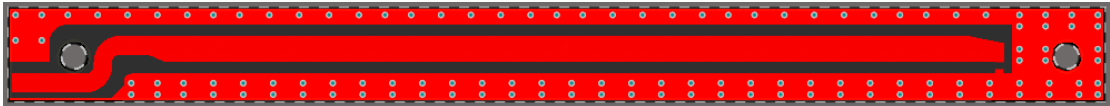
V Phi=90



H Theta=90



2 Outline Dimension



Dimension (mm) : 147mm*12.5mm*1.6mm
Cable Length(mm) : 625mm

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