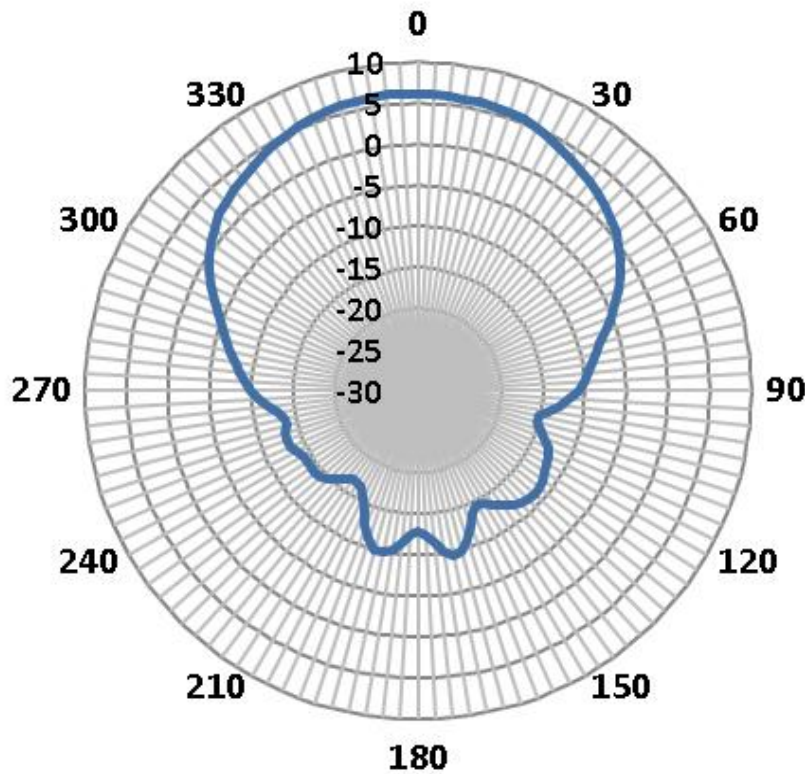


VULCAN RFID Antenna Datasheet

SPECIFICATION				
Zebra Part number	AN-000348-01			
TE Connectivity Part Number	L000213-01			
Frequency (MHz)	865-868	915-921	902-928	
Polarization	Dual Linear			
Antenna Type	Patch (Dual-band Directional)			
Peak Gain (dBi)	V-pol	6.5	7.2	7.2
	H-pol	6.4	7.1	7.1
Average Front-to-Back Ratio (dB)	V-pol	19.4	19.7	18.5
	H-pol	20.6	18.7	17.7
Average Beamwidth (°)	V-pol	75.4	71.8	71.4
	H-pol	79.4	72.1	72.2
VSWR, Maximum	1.25:1	1.25:1	1.25:1	
Characteristic Impedance (Ω)	50			
Connector Type	MMCX (F)			

RADIATION PATTERNS

Phi 0° Plane



Antenna Gain - 900 MHz Band

Frequency (MHz)	902	904	906	908	910	912	914	916	918	920	922	924	926	928	
Ave. Gain (dBi)	V-pol	6.90	6.92	6.93	6.93	6.92	6.92	6.93	6.94	6.90	6.89	6.89	6.87	6.85	6.83
	H-pol	6.86	6.87	6.89	6.88	6.87	6.88	6.89	6.89	6.84	6.82	6.82	6.81	6.79	6.78