

# Field Theory Antenna

## Field Theory

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*Ring Contact Sensor*

*US Z-Wave Antenna*

### RADIO SPECIFICATION

Z-Wave: 902-928 MHz

### MECHANICAL

Material Type: Bent Wire and FR4

Style: Inverted F

Parameters	Performance					
	(Typical as measured in a Unit with magnet)					
Frequency (MHz)	902	908.4	912	916	920	928
Typical Efficiency (%)	34	35	43	42	39	36
Typical Peak Gain (dBi)	-0.7	-0.7	0.1	0	-0.6	-0.9
Impedance (ohms)	50	50	50	50	50	50
VSWR	≤ 2.0	≤ 2.0	≤ 2.0	≤ 2.0	≤ 2.0	≤ 2.0
Polarization	Linear	Linear	Linear	Linear	Linear	Linear
Maximum Input Power (W)	5	5	5	5	5	5

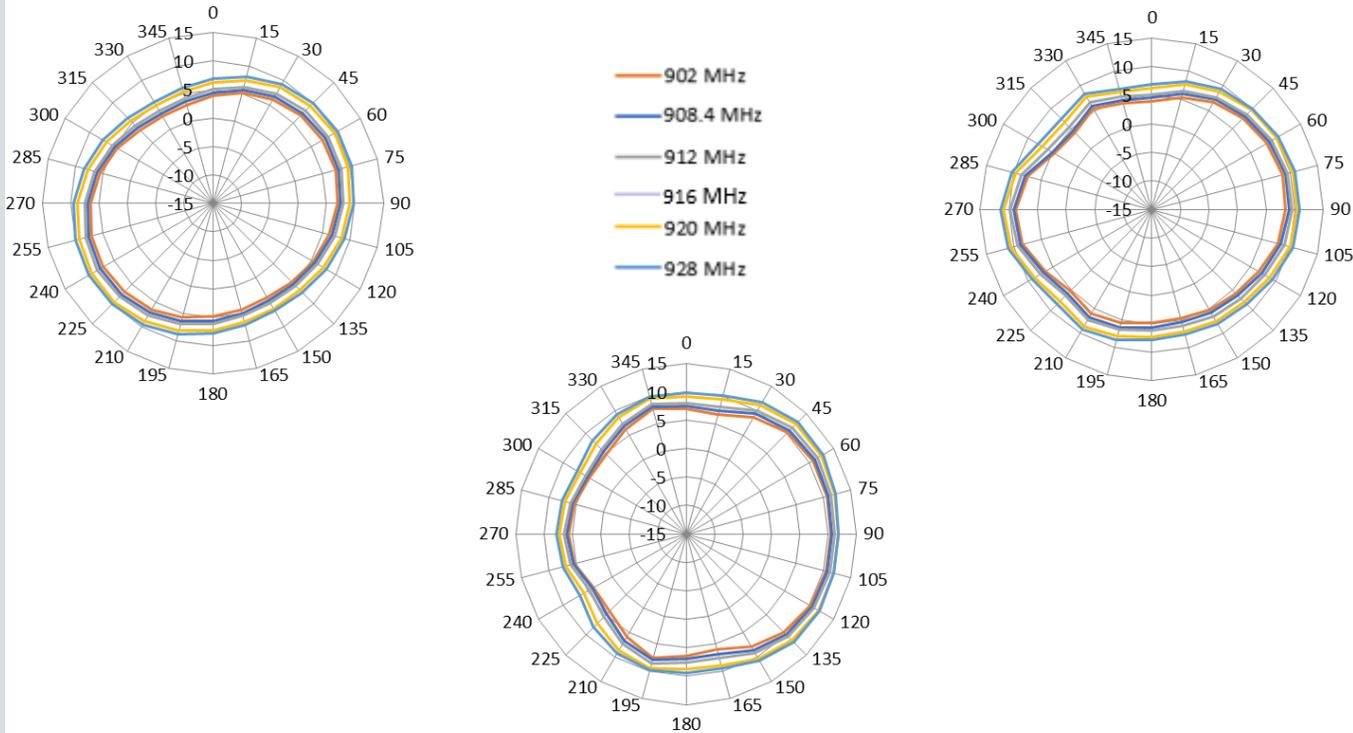
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**2-D Plots**  
(Typical as measured in unit with magnet)



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