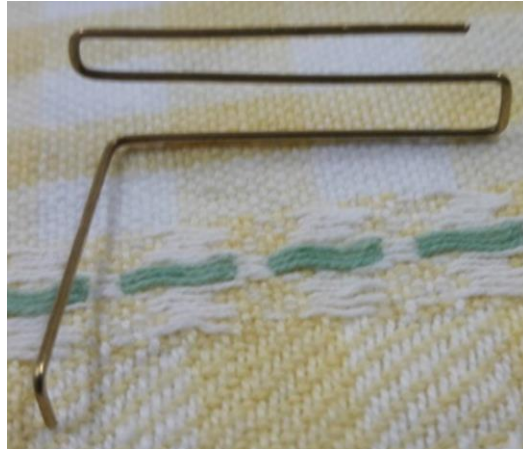


Copper Wire Antenna Data Sheet



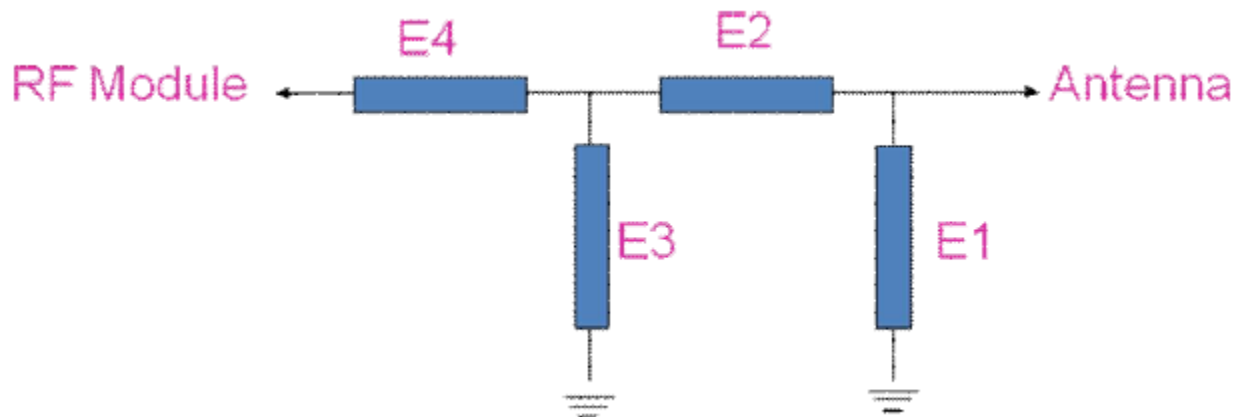
Antenna Part Number	E-AL-Z-C-2R907925
Antenna Description	Z-Wave Sensor Antenna
Antenna Frequency	907~925MHz

Approved by	Mason Lin
Check by	Jim Yang
PM	Matthew Lin

A. Description

The content of this data sheet is to provide the testing measurements for the Z-Wave sensor antenna put inside the panel. The antenna is tuned for 907~925MHz.

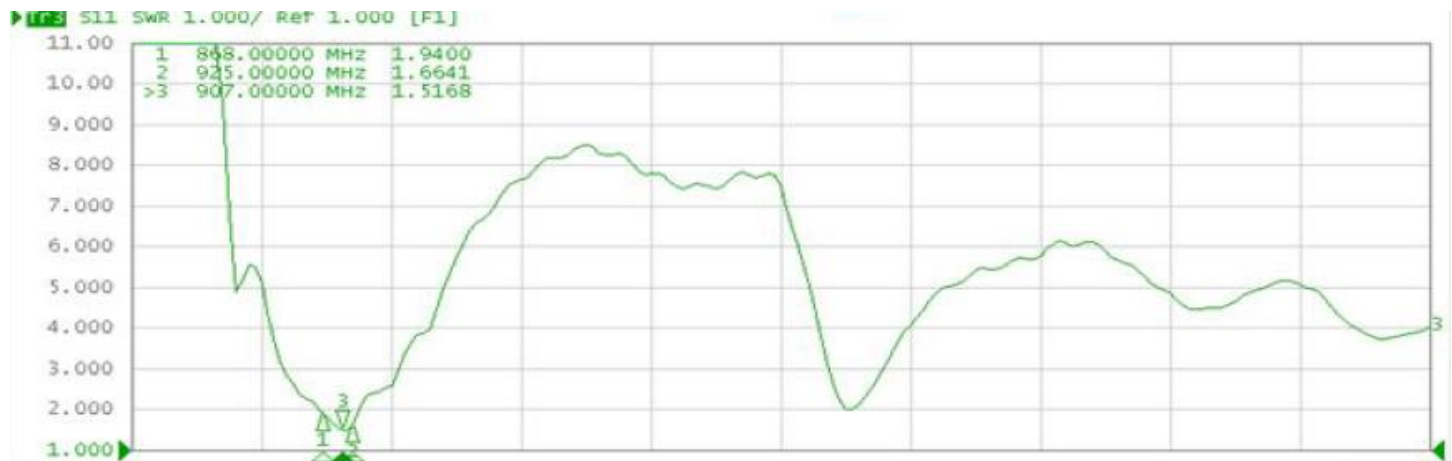
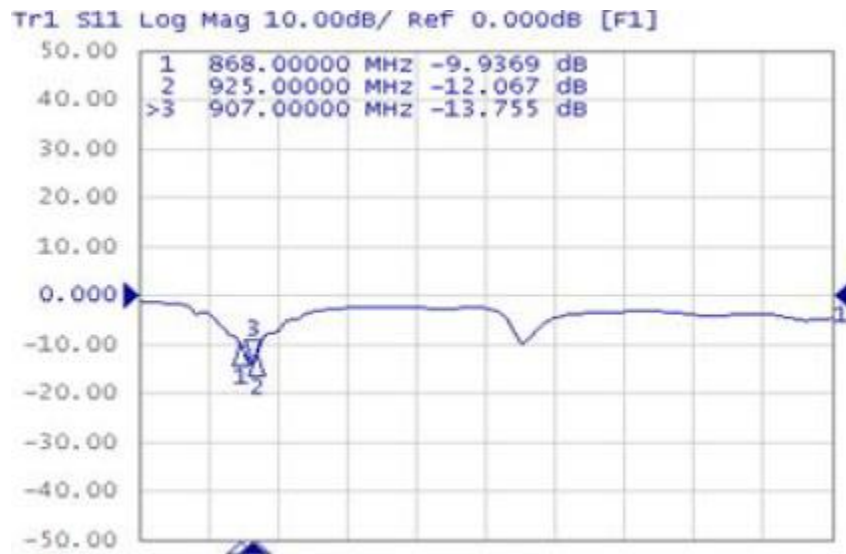
B. Antenna Matching Circuit



Element	Value
E1(0402)	NA
E2(0402)	0Ω
E3(0402)	NA
E4(0402)	0Ω



C. Antenna VSWR & Return Loss Curve – Panel Closed



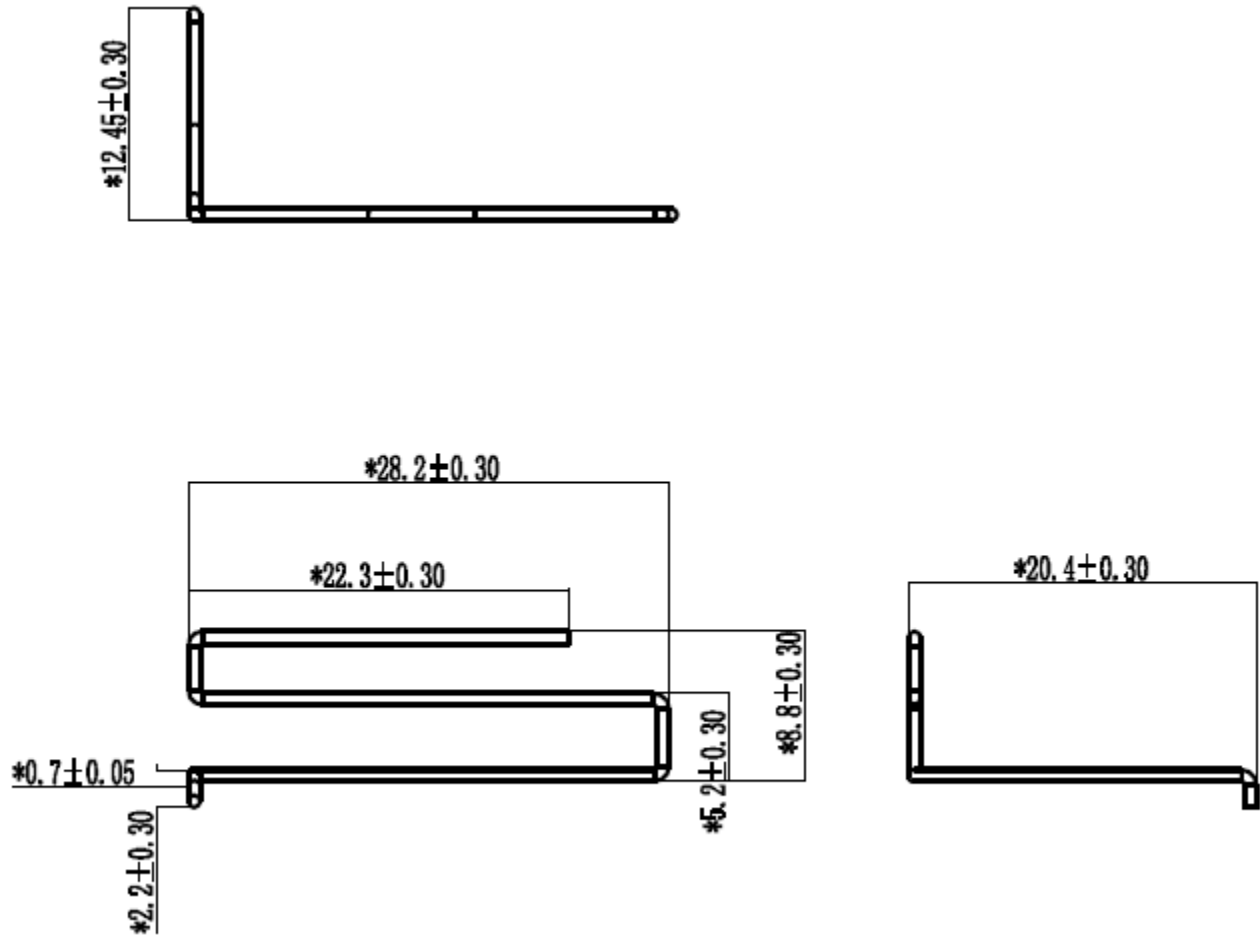


D.Antenna Efficiency & Gain

Frequency (MHz)	Efficiency (%)	Gain (dBi)
900	28.57	0.12
905	30.05	0.17
910	31.02	0.14
915	31.39	0.15
920	31.29	0.25
925	30.56	0.27

** Antenna is tested inside the Satimo Starlab Anechoic Chamber

E. Antenna Drawing



Right Side – Z-Wave Sensor Antenna_907~925MHz
 Part Number: E-AL-Z-C-2R907925