Device Modeling Report

COMPONENTS: CAPACITOR/ Electrolytic
PART NUMBER: RJJ-35V561MI5-T4
MANUFACTURER: ELNA Co.,Ltd.

Bee Technologies
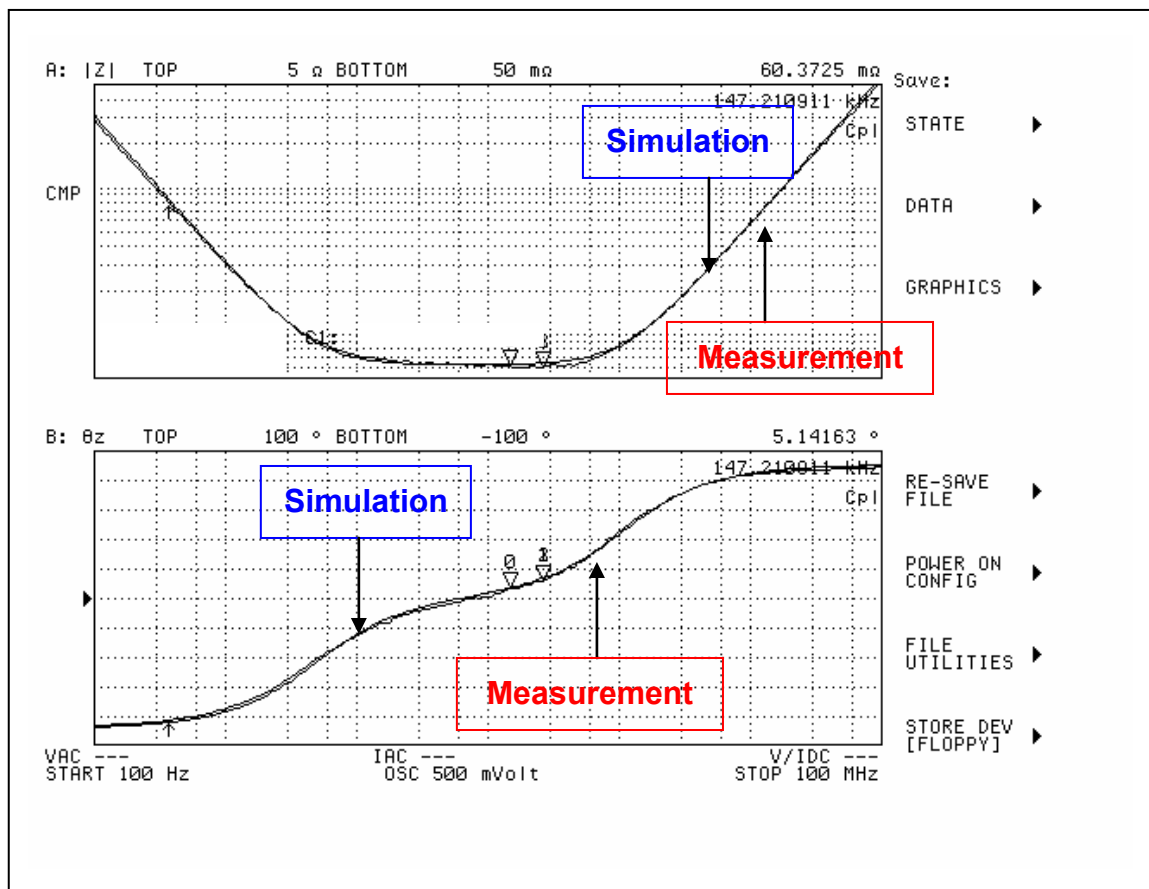
Bee Technologies Inc.

Theory: Auto Balancing Bridge Method

Optimization of Simulation

Range of adjustment Frequency:100Hz to100M(Hz)

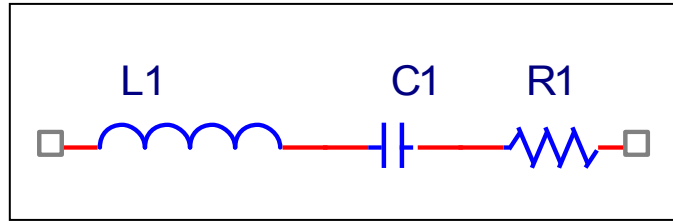Frequency vs.|Z| and Frequency vs. θz Characteristic

Attention)

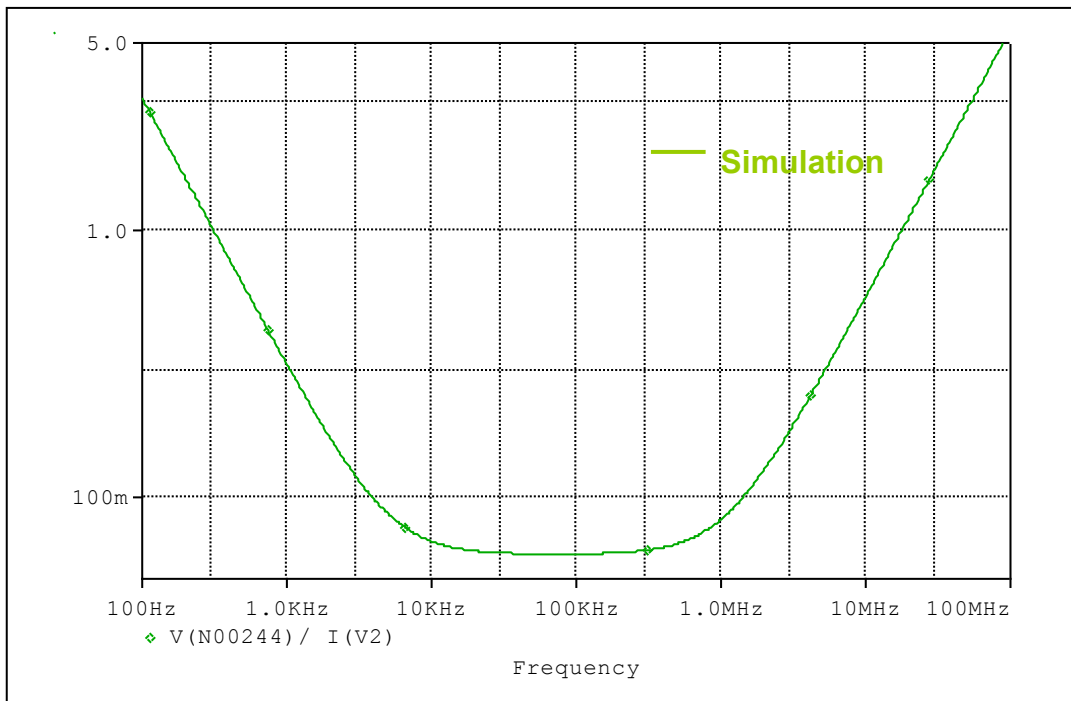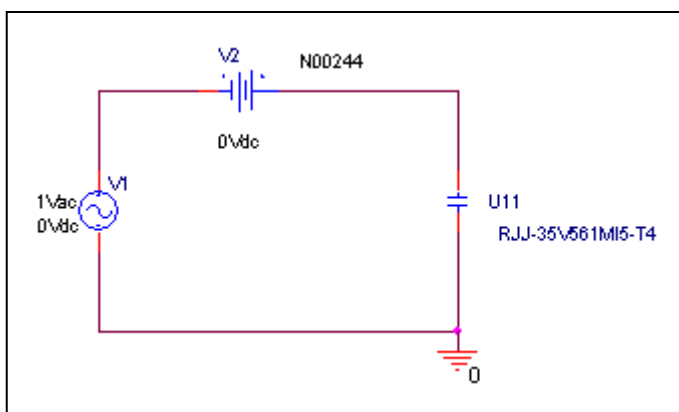*Please use SPICE MODEL within the range from 100Hz to 100M(Hz)*

L1	
C1	
R1	

Equivalent circuit

L1　　　　　　C1　　R1

Frequency vs. IZI Characteristic

Circuit Simulation result

Y-axis labels: 5.0, 1.0, 100m
X-axis labels: 100Hz, 1.0KHz, 10KHz, 100KHz, 1.0MHz, 10MHz, 100MHz

Simulation

◇ V(N00244)/ I(V2)

Frequency

Evaluation Circuit

V2   N00244

0Vdc

V1
1Vac
0Vdc

U11
RJJ-35V561MI5-T4

0

Simulation result

Frequency (Hz)	IZI (ohm) :Measurement	IZI (ohm) :Simulation	% Error
100	3.2183	3.1056	-3.5018
1K	319.104m	315.479m	-1.1360
10K	70.126m	68.983m	-1.6299
100K	62.447m	61.931m	-0.8263
1M	84.723m	83.364m	-1.6041
10M	568.123m	569.497m	0.2418
89M	4.9872	5.00	0.2567