

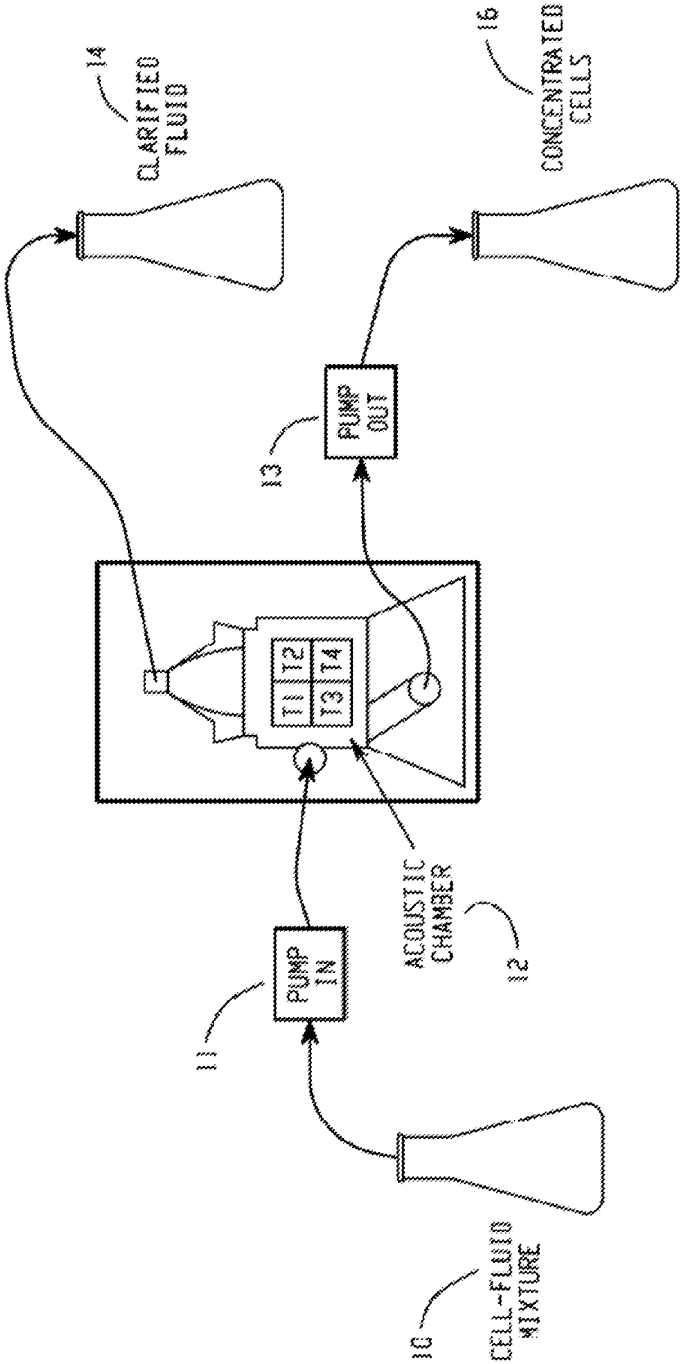


Fig. 1

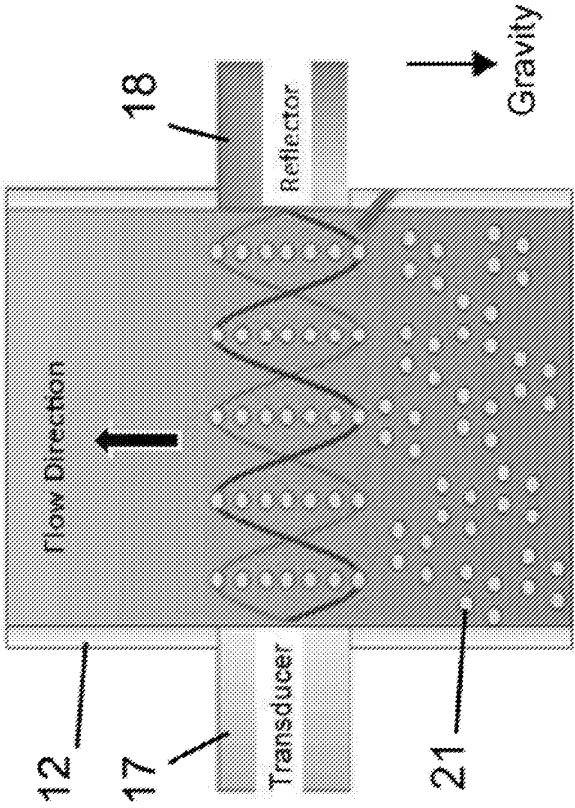


Figure 2

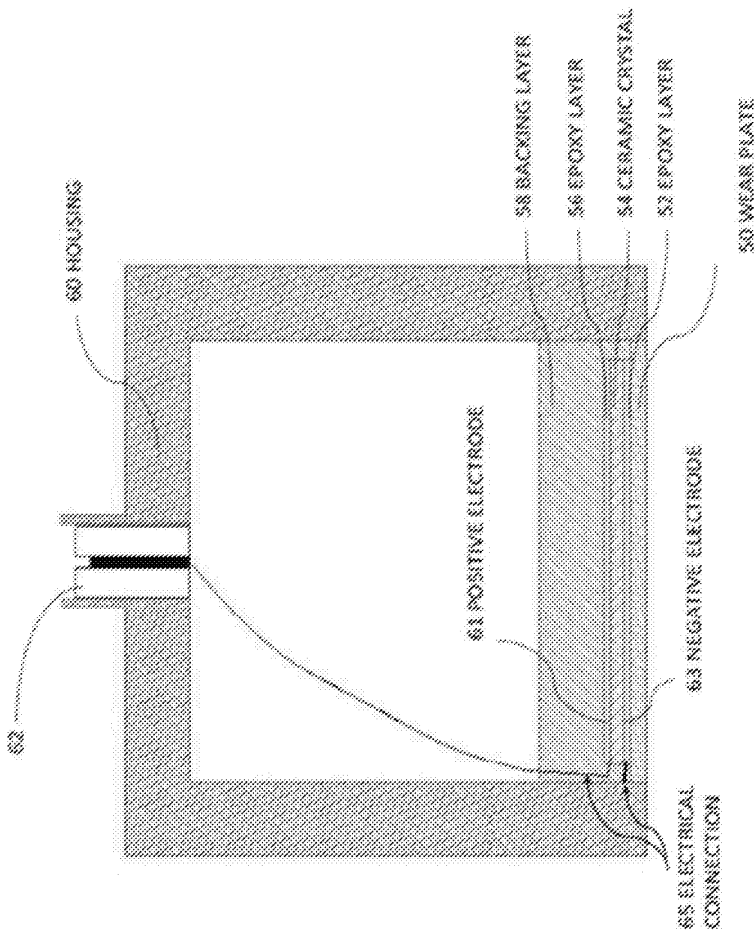


Figure 3

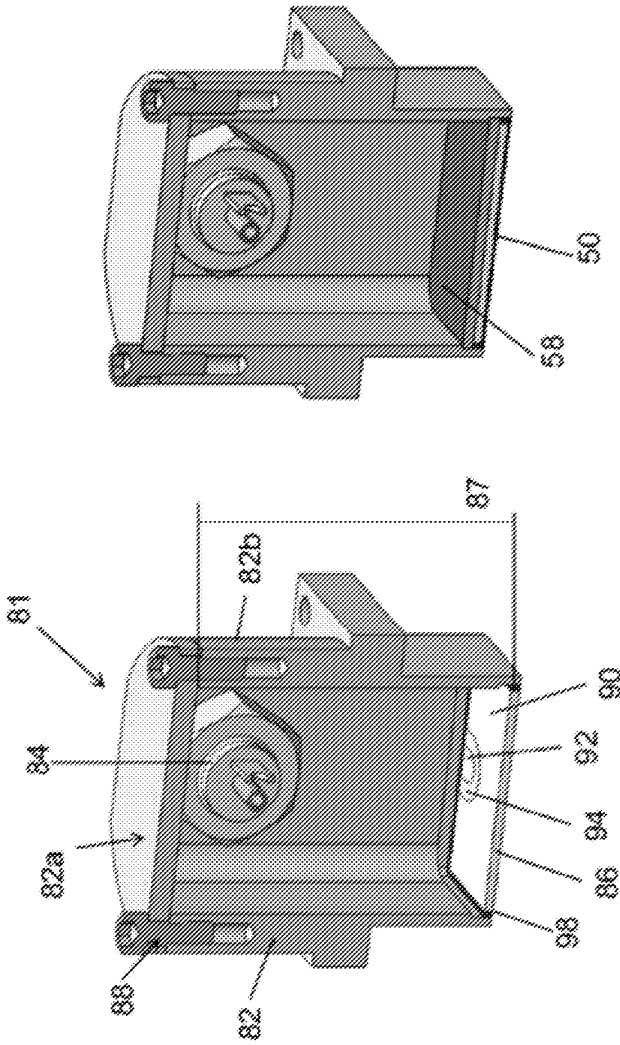


Figure 5

Figure 4

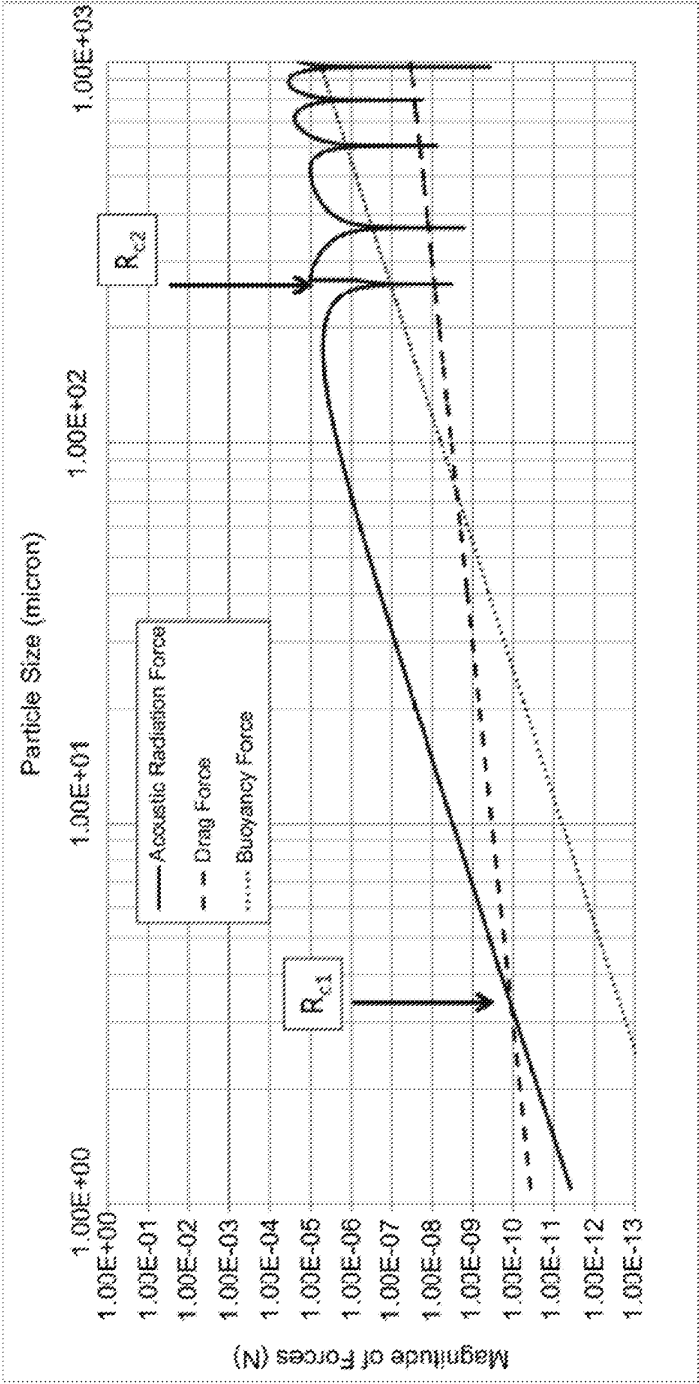


Figure 6

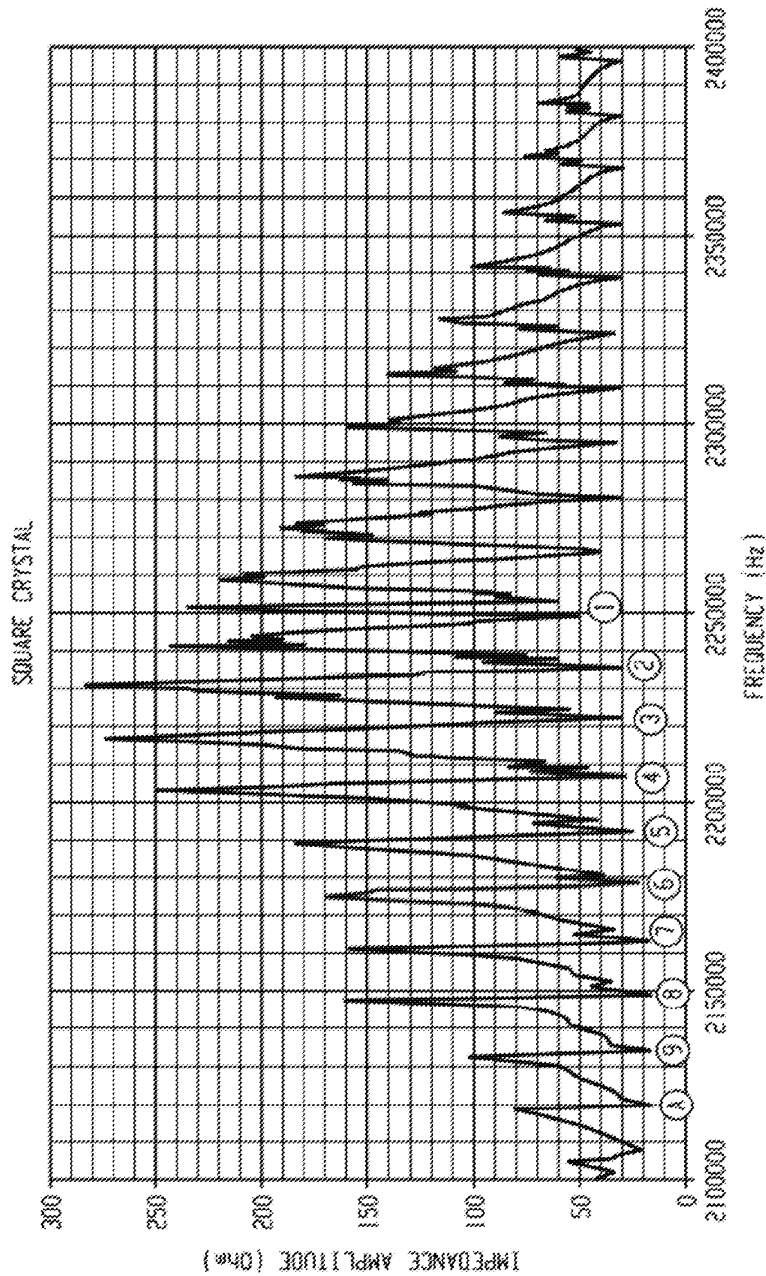


Figure 7

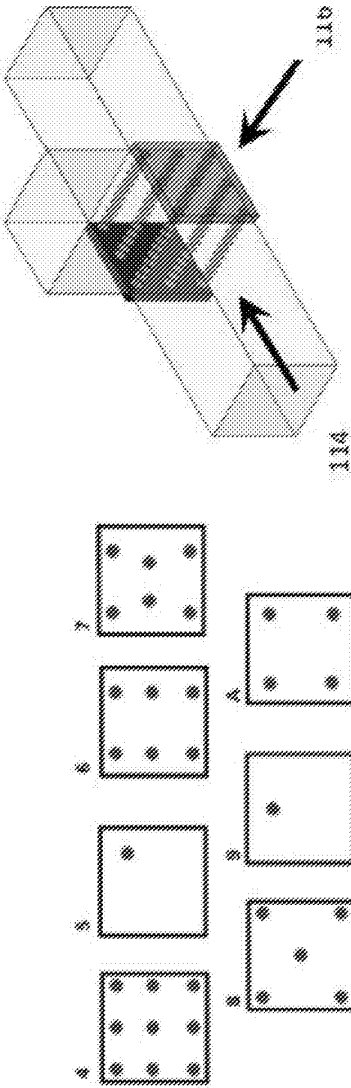


Figure 8A

Figure 8B

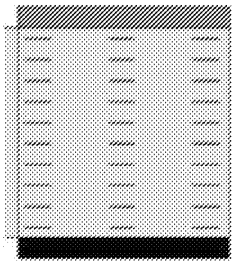


Figure 8C

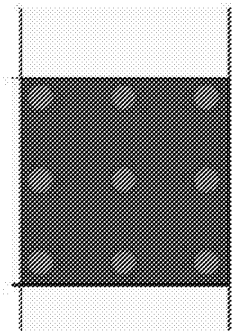


Figure 8D

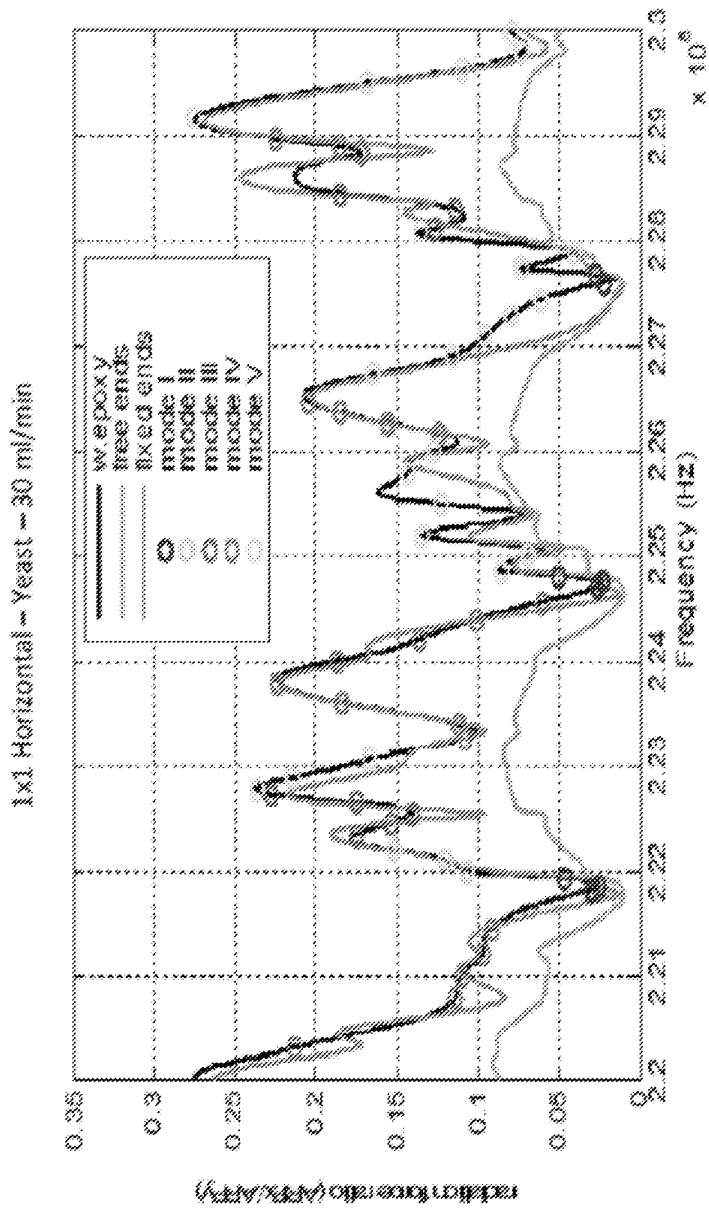


Figure 9

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Find Minimum/Maximum Reactance Algorithm

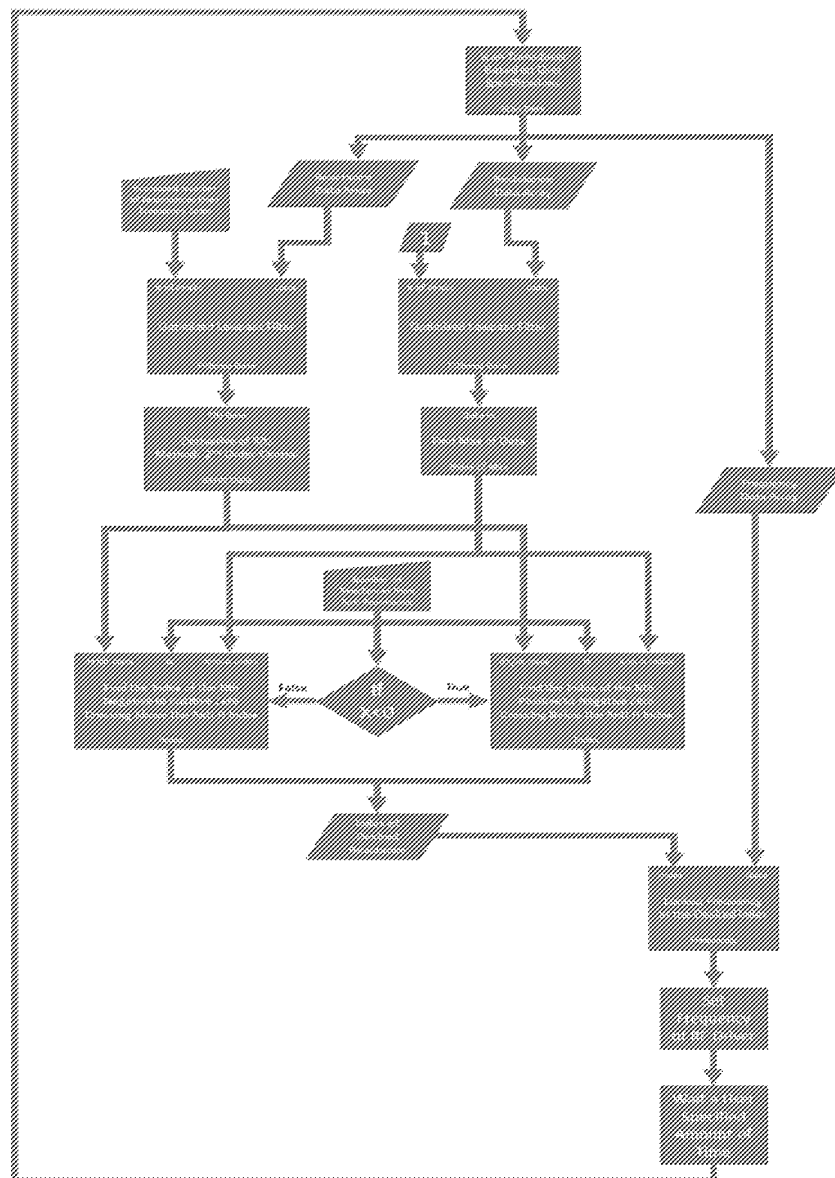


Figure 10

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Optimized Lowpass Filter

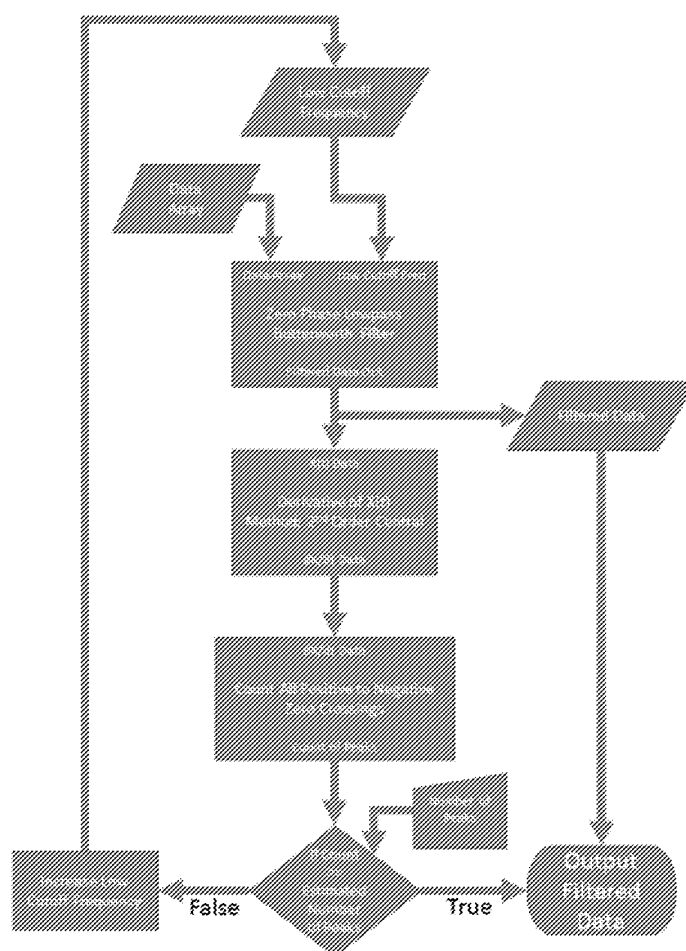


Figure 11

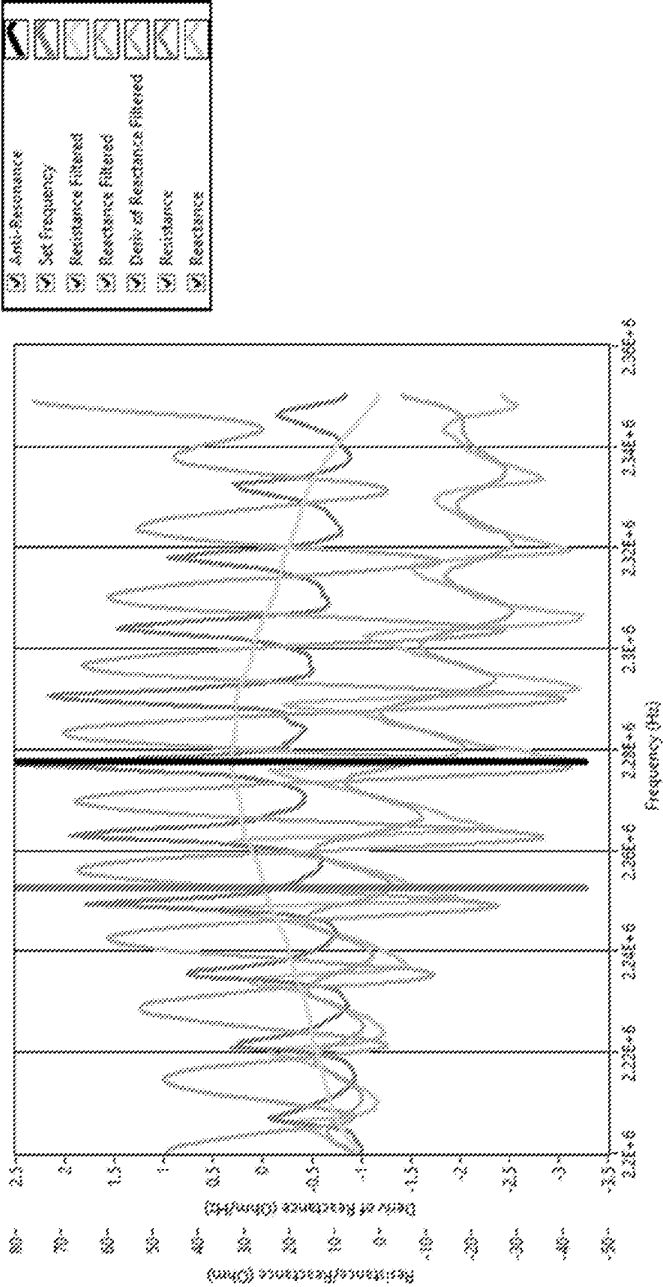


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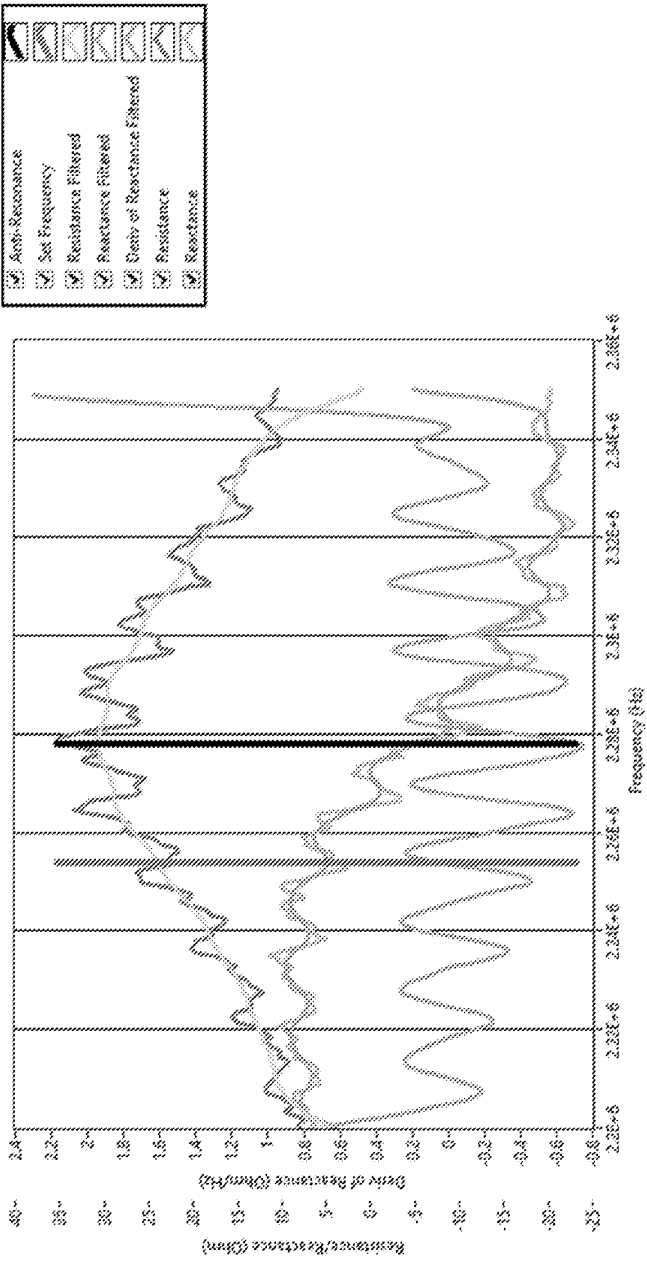


Figure 13

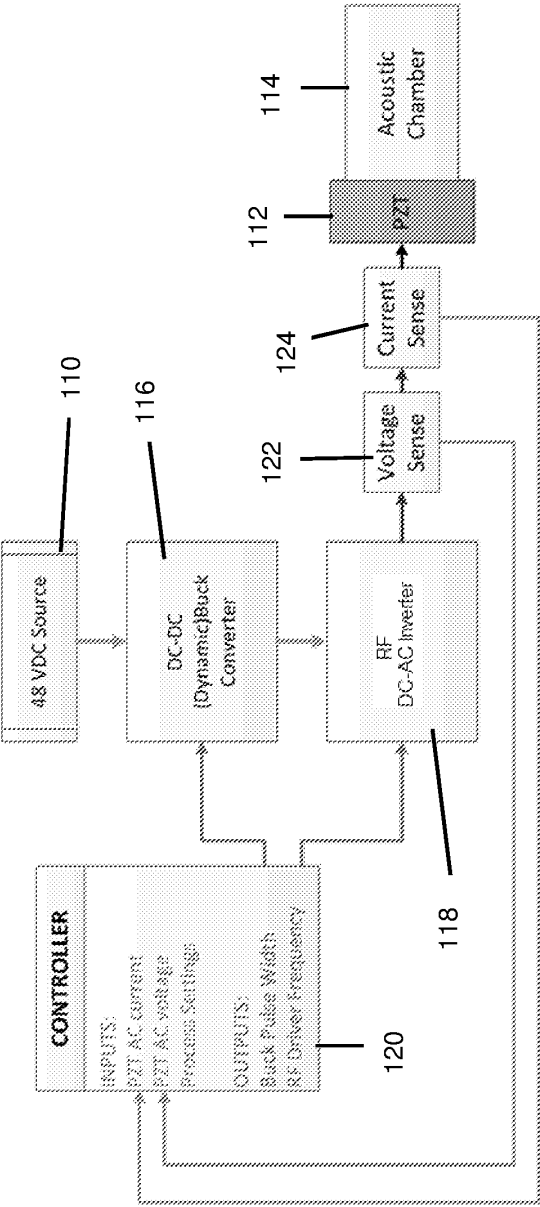


Figure 14

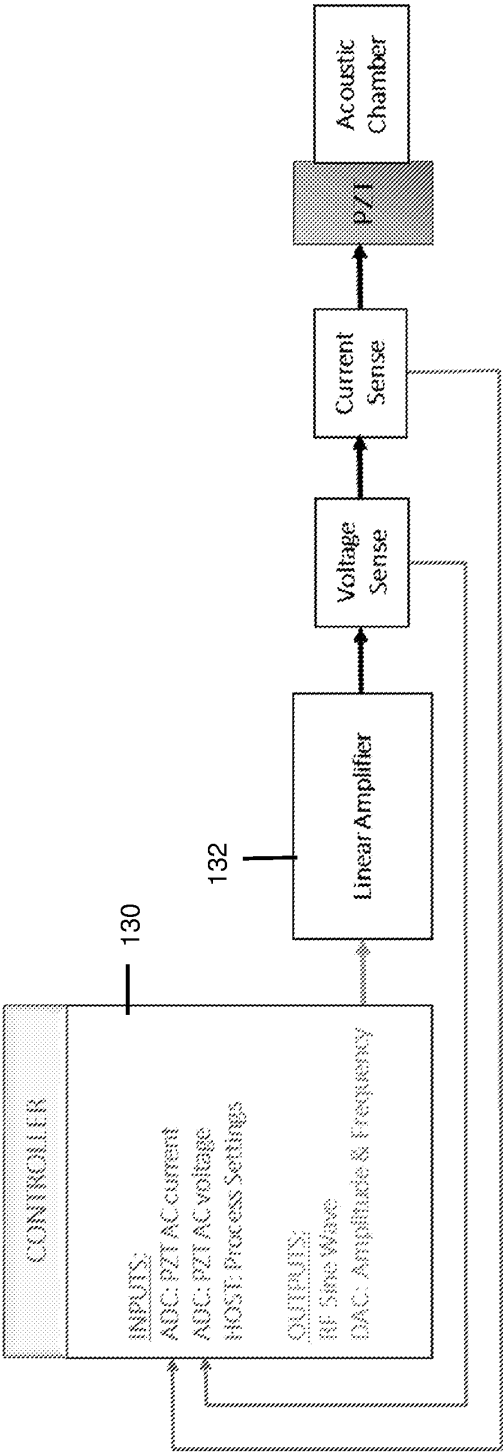


Figure 15

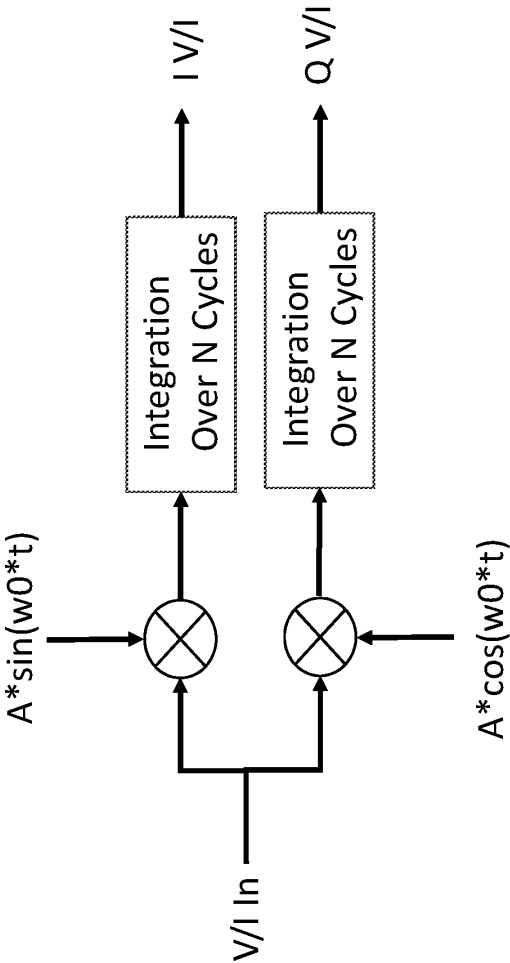


Figure 16

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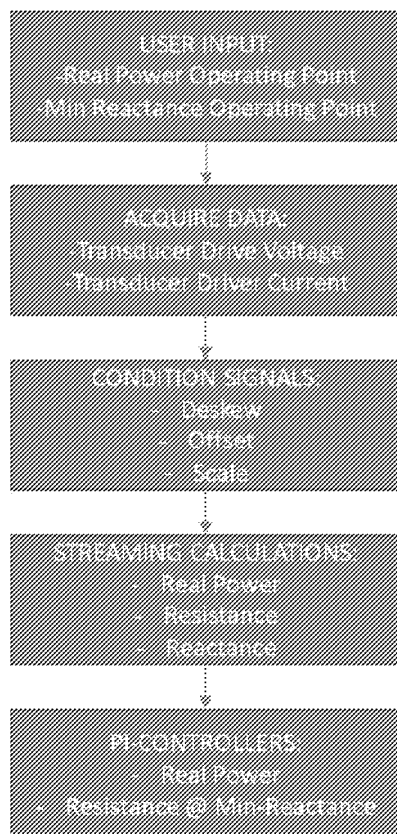


Figure 17

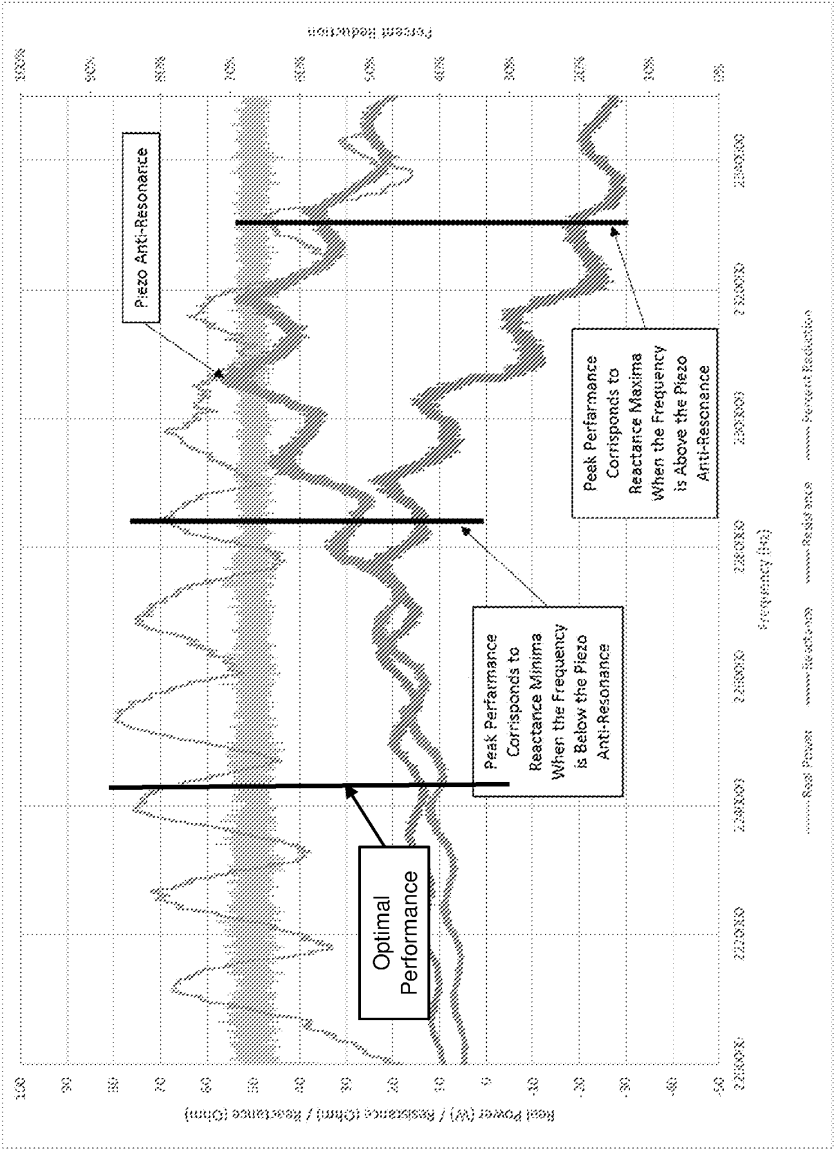


Figure 18

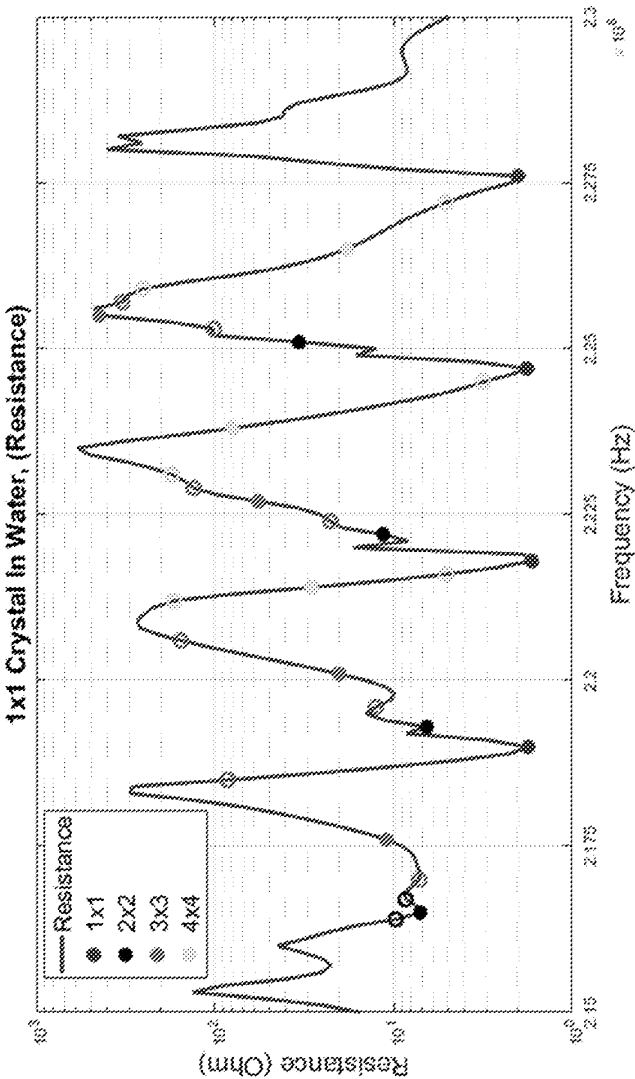


Figure 19

- Solid circles are pure modes
- Hollow circles are where the first mode first occurs and disappears

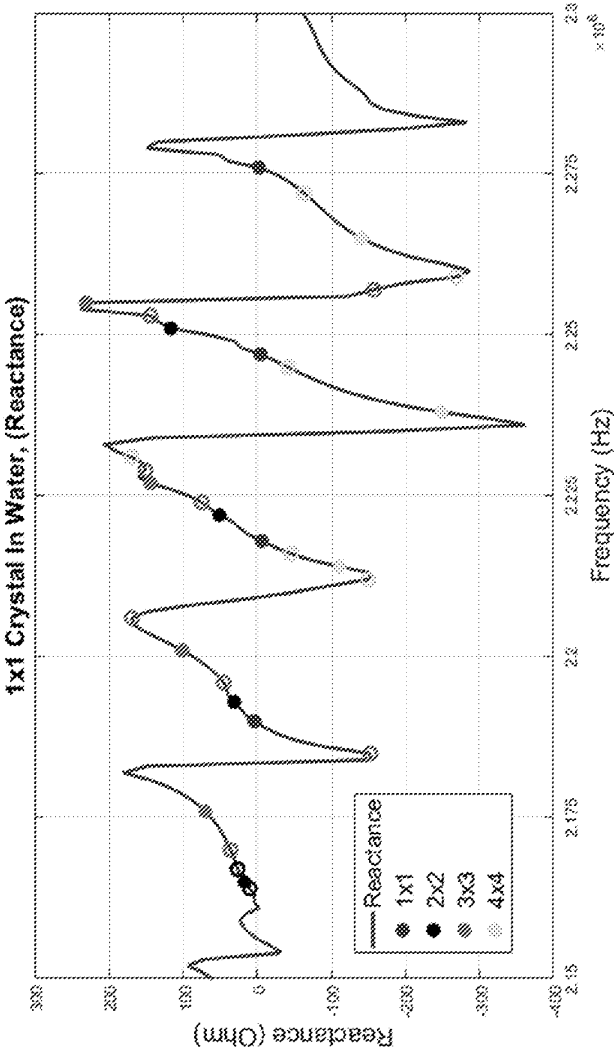


Figure 20

- Solid circles are pure modes
- Hollow circles are where the first mode first occurs and disappears

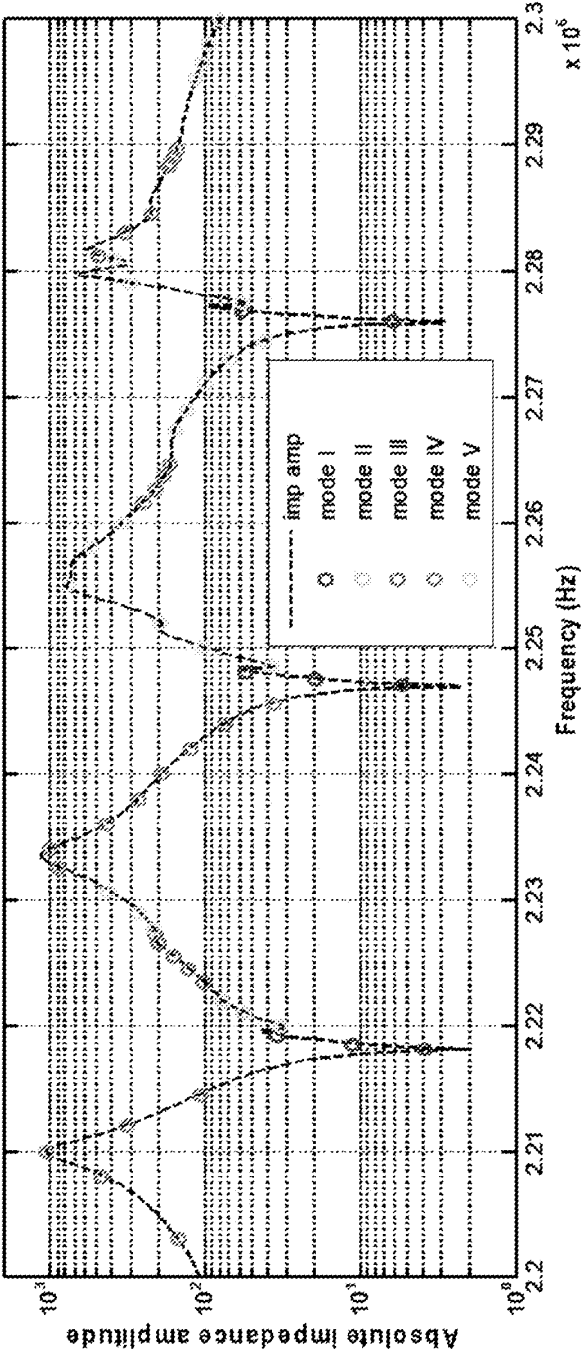


Figure 21

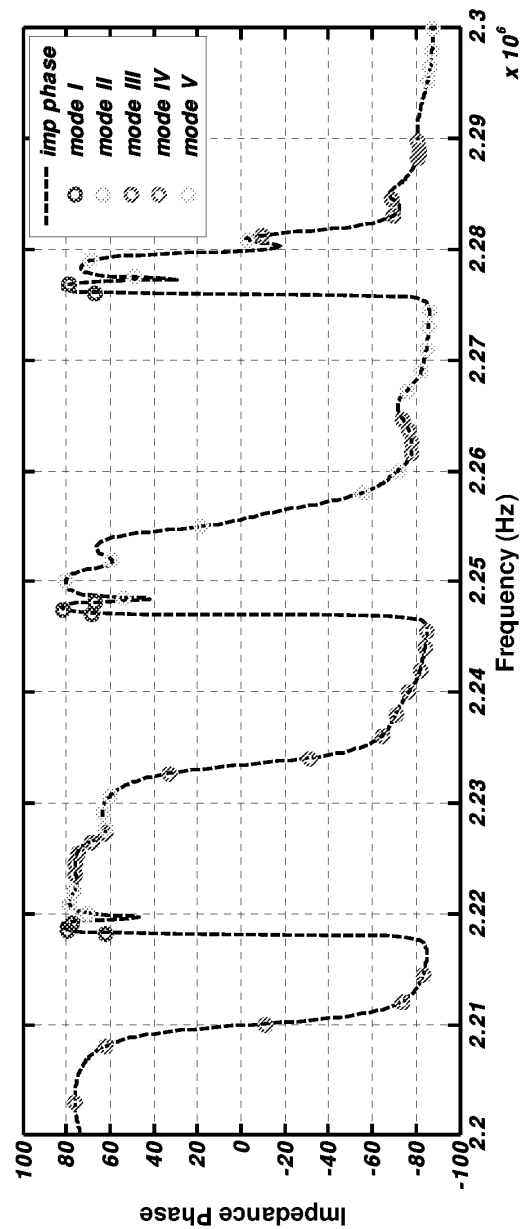


Figure 22

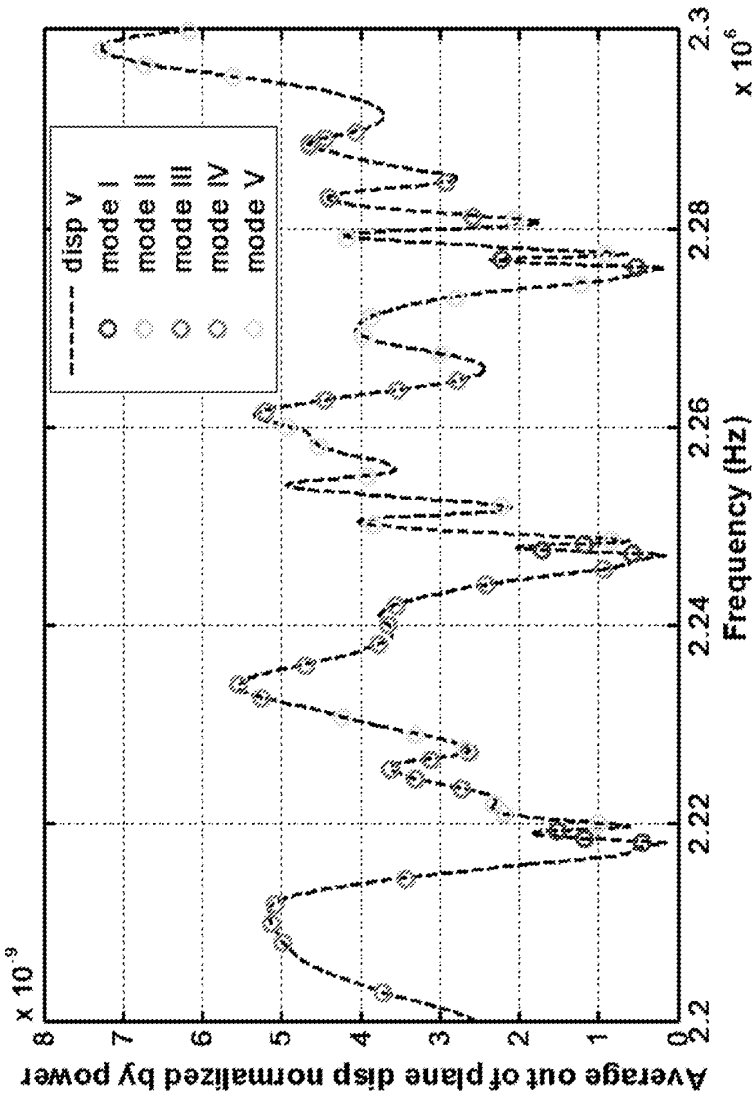


Figure 23

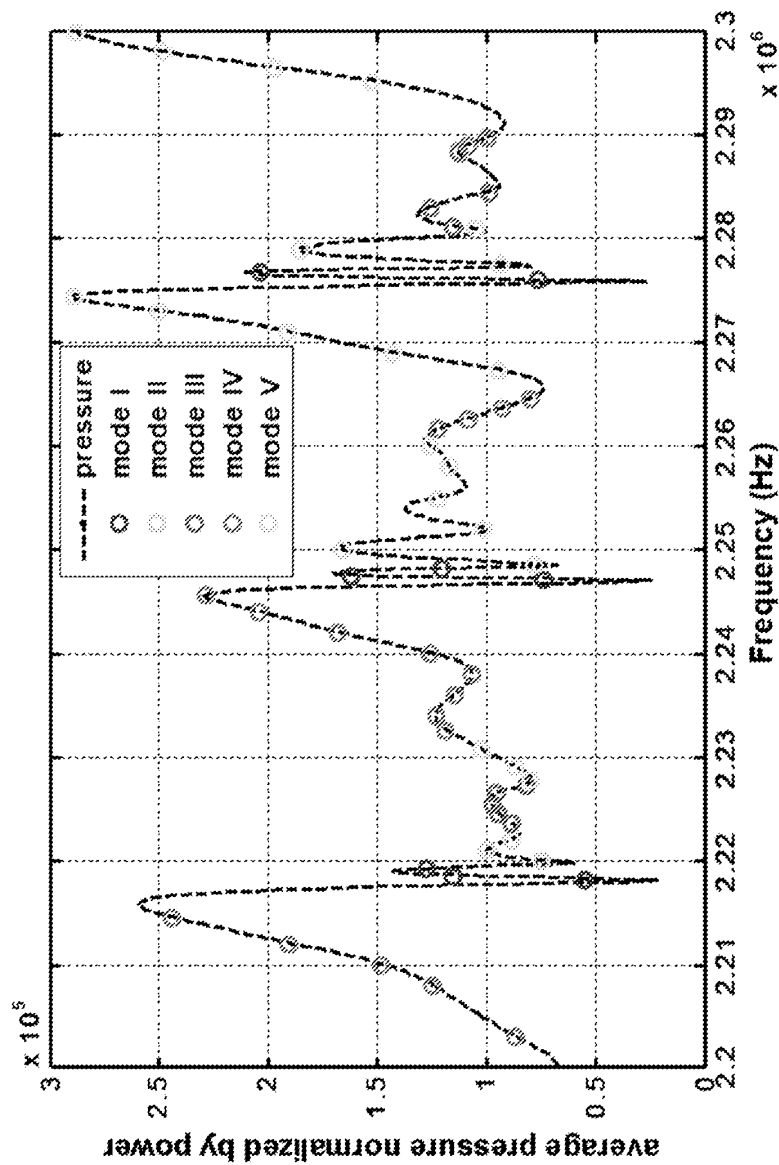


Figure 24

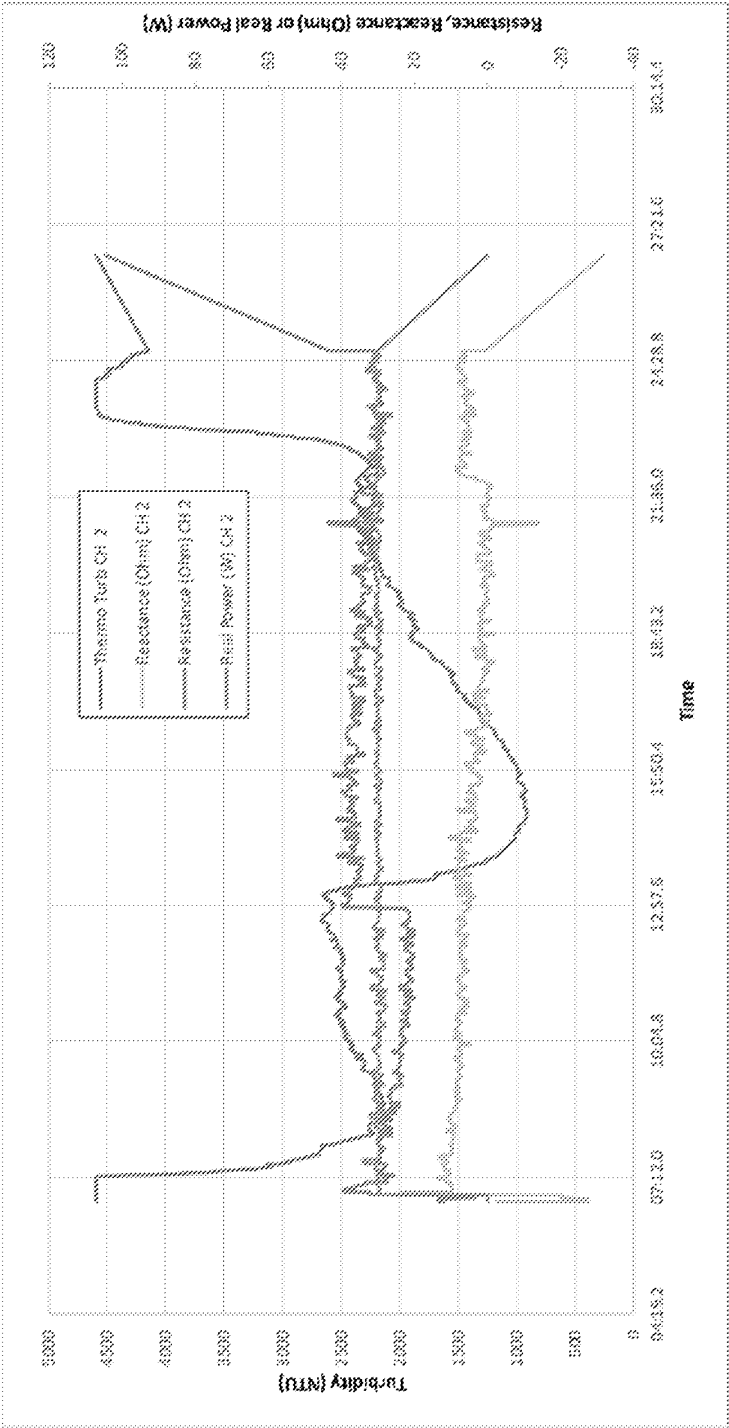


Figure 25

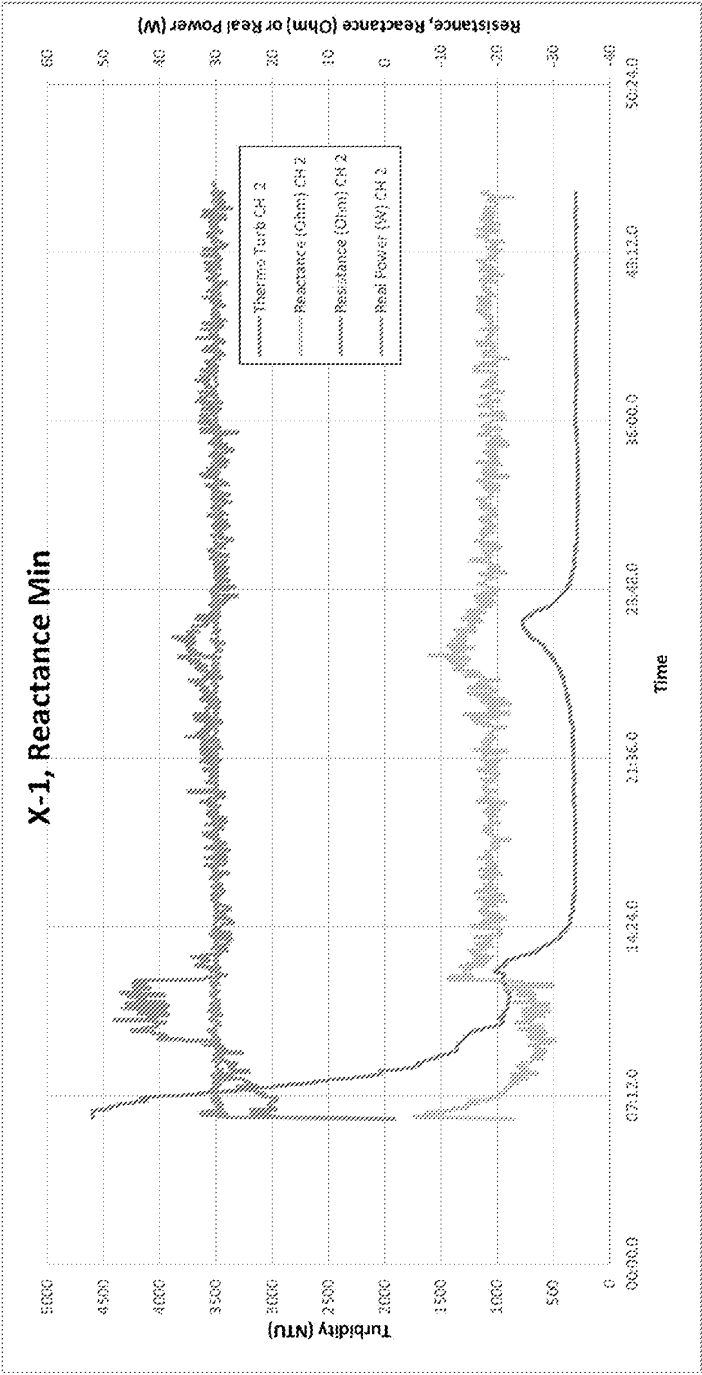


Figure 26

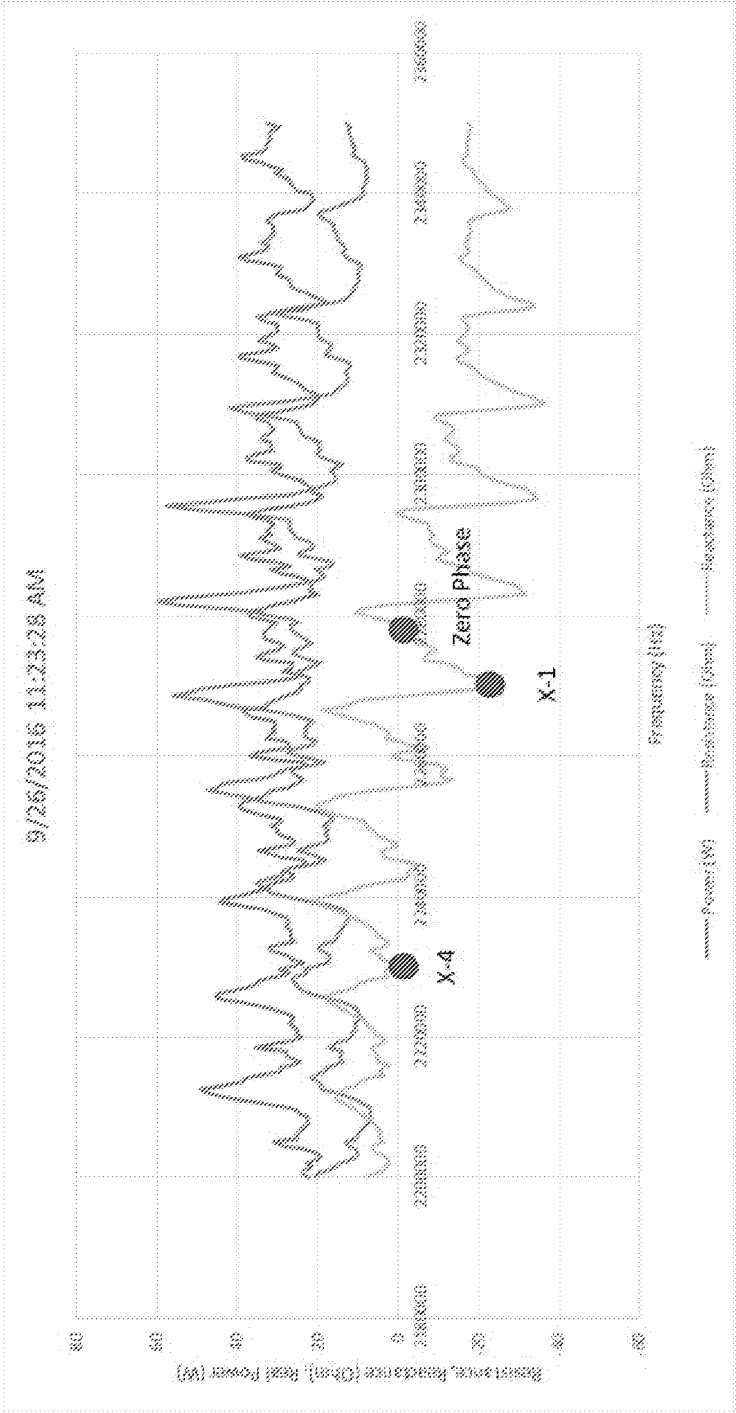


Figure 27

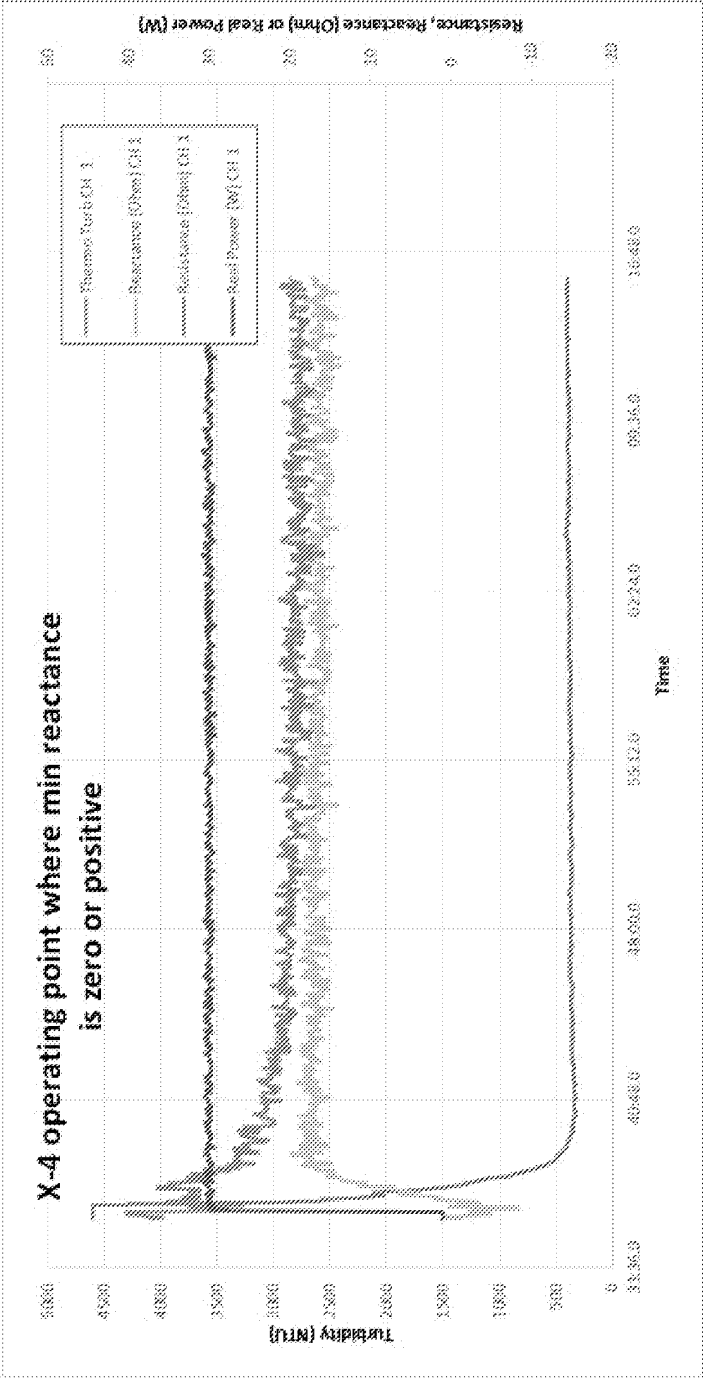


Figure 28

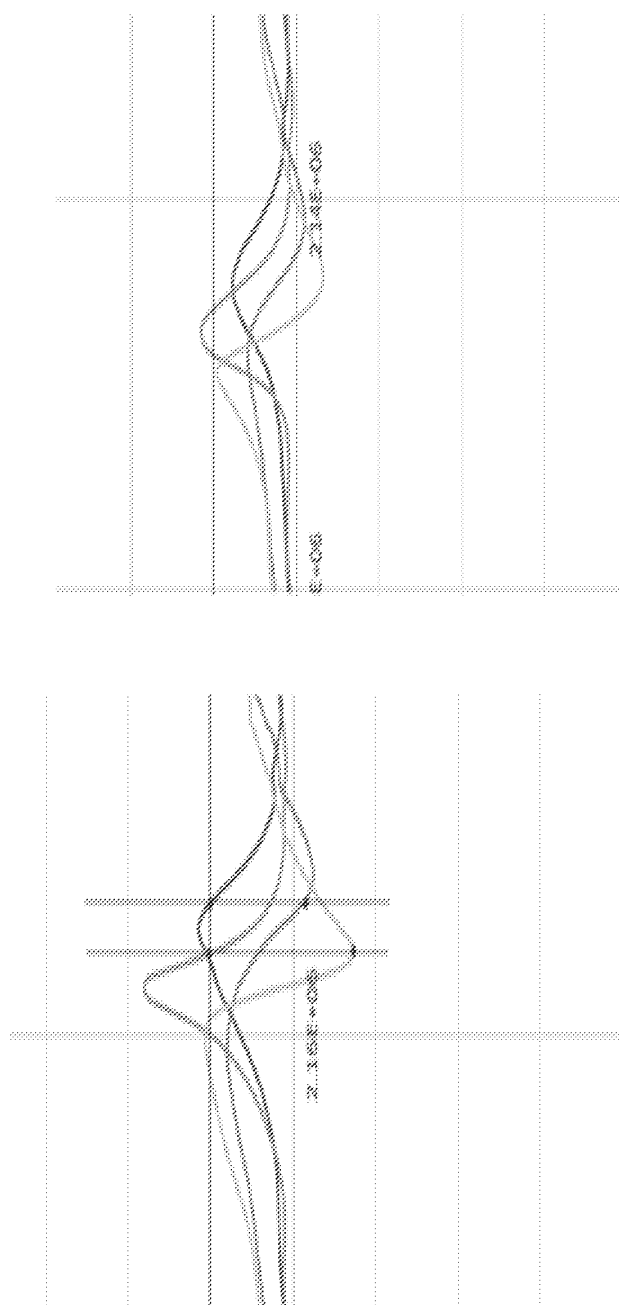


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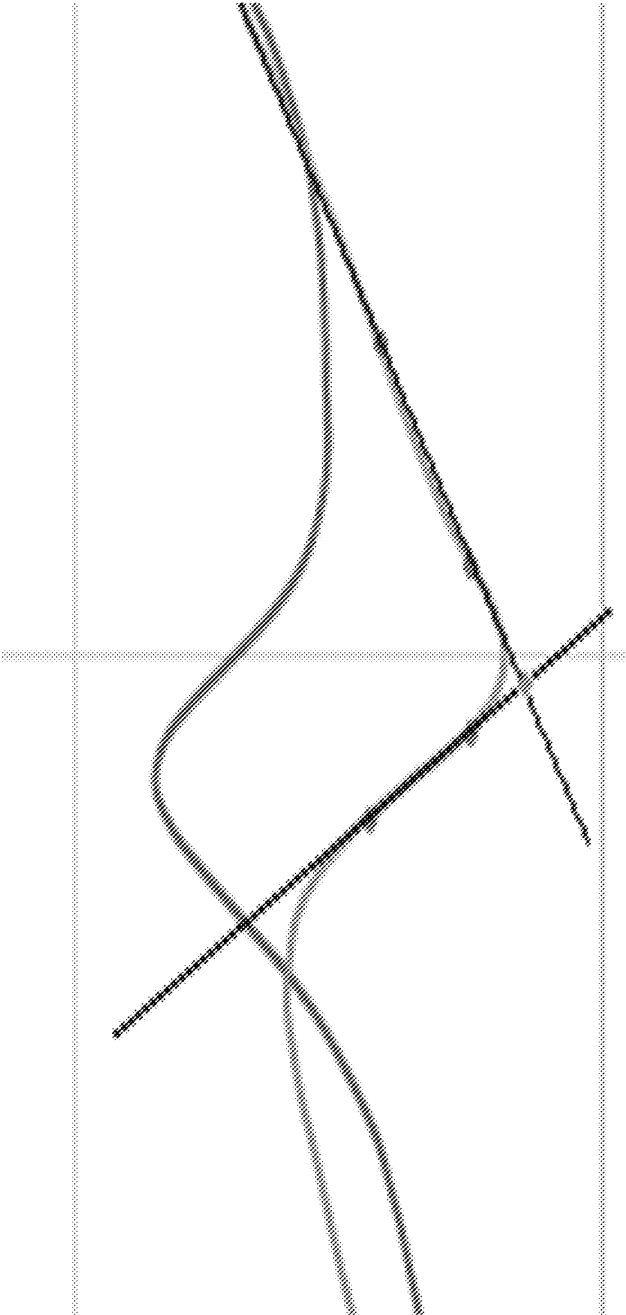


Figure 30

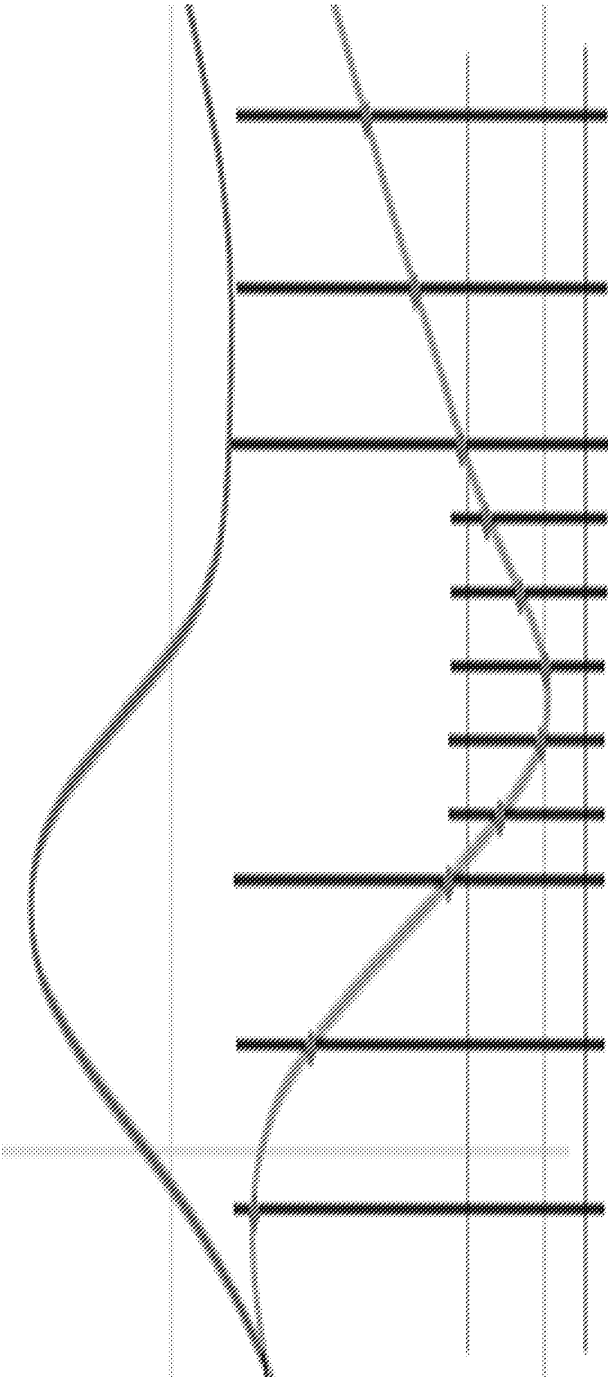


Figure 31

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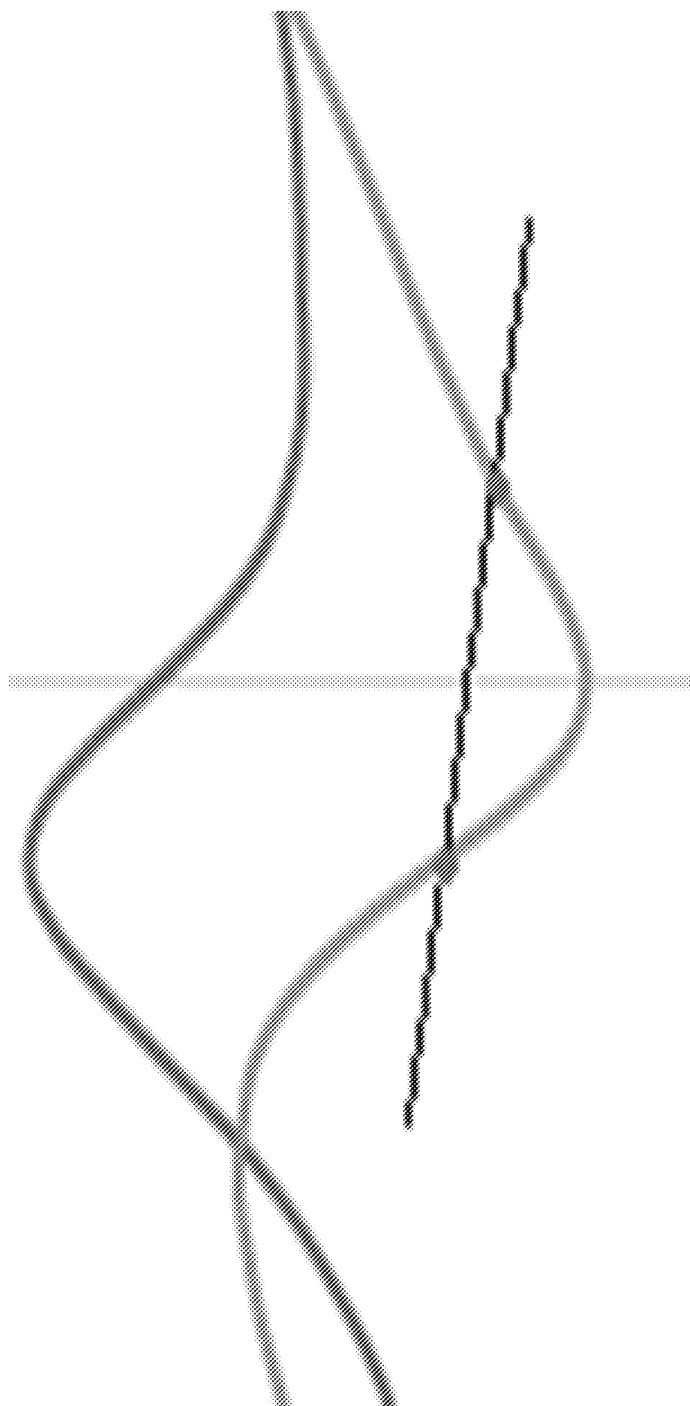


Figure 32

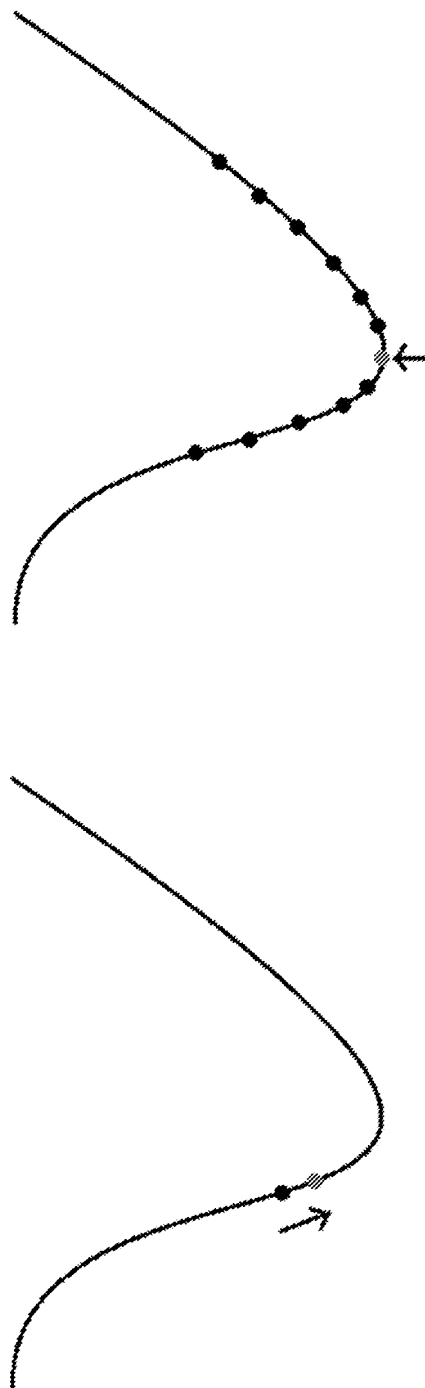


Figure 33

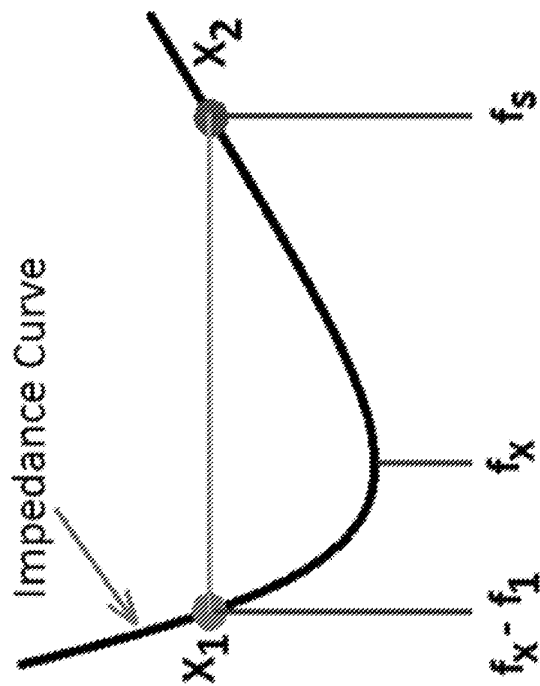


Figure 34

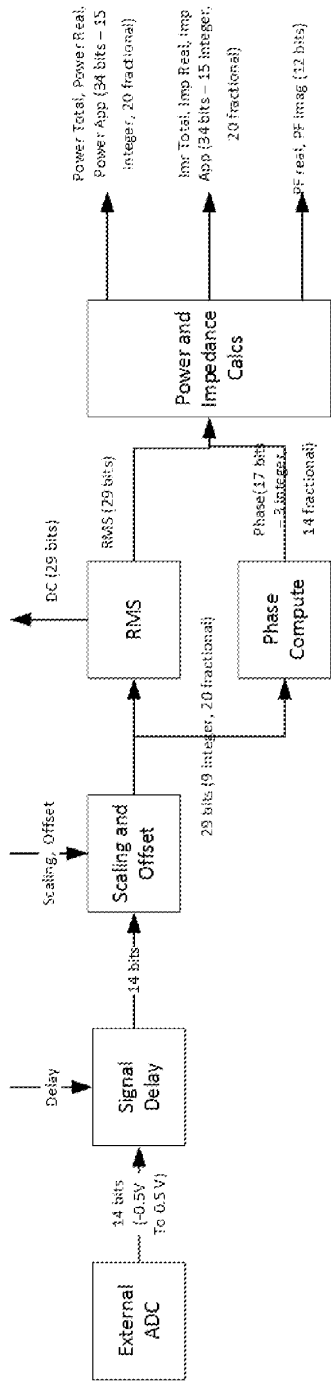
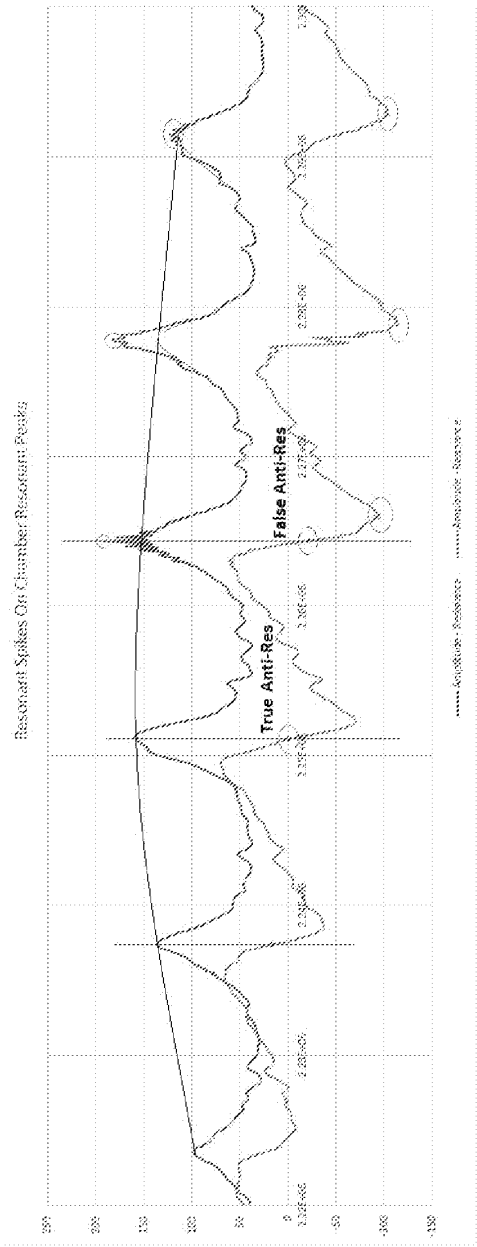
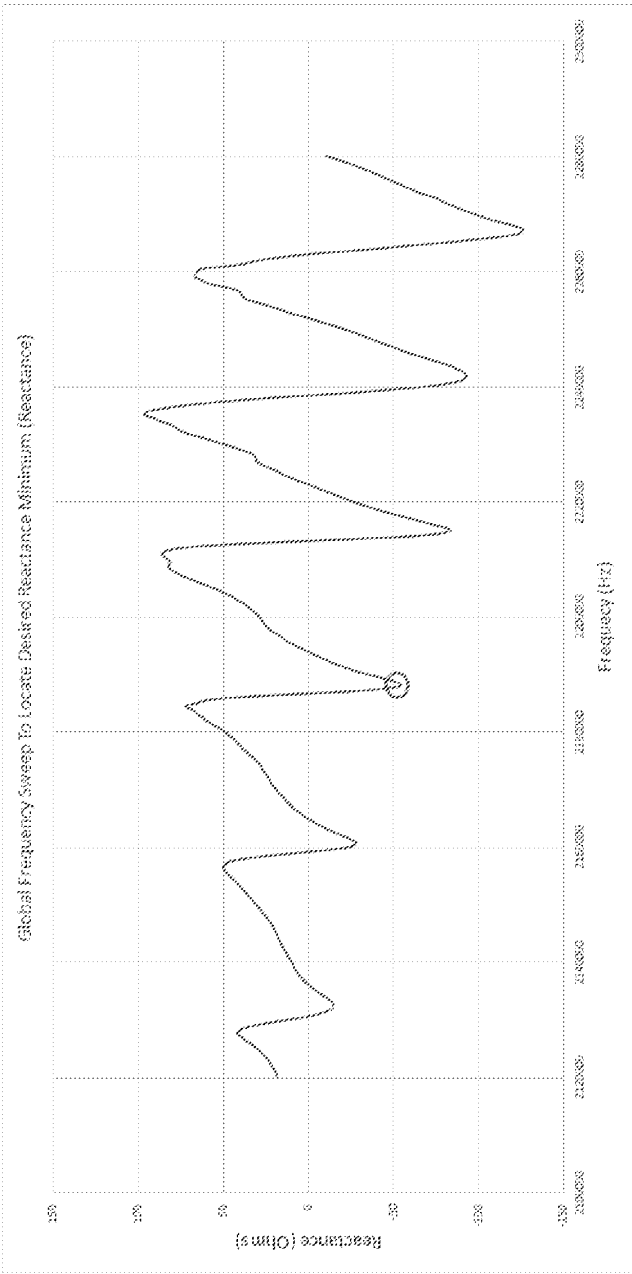


Figure 35



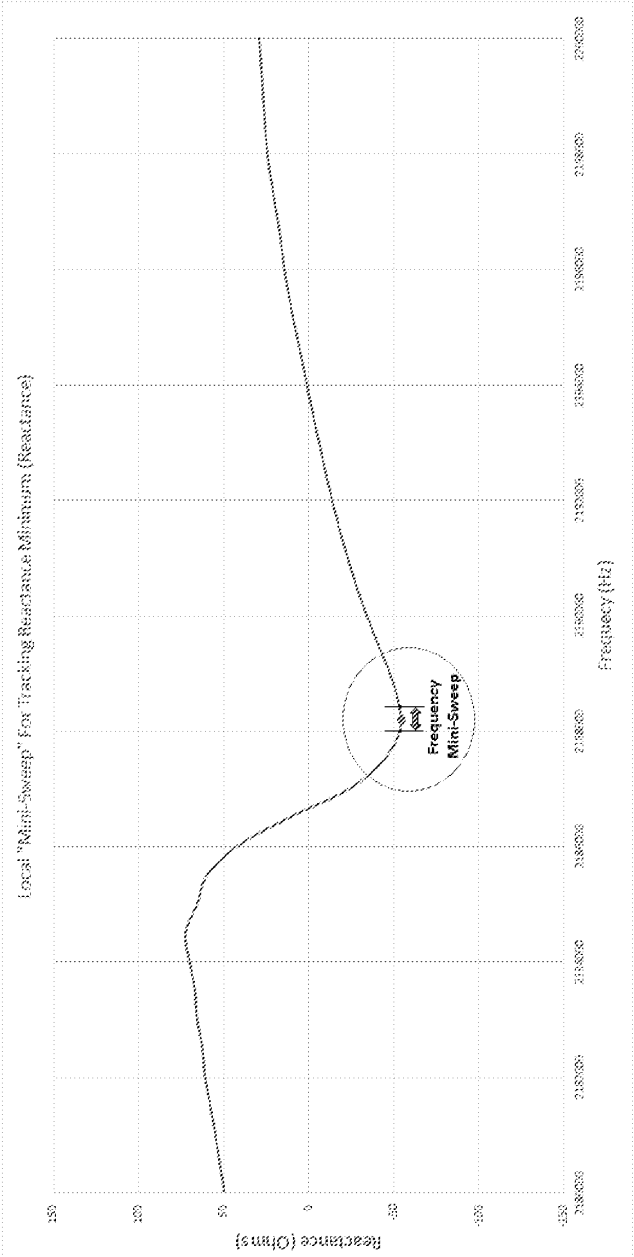
Global frequency sweep to search for Anti-Resonance location

Figure 36



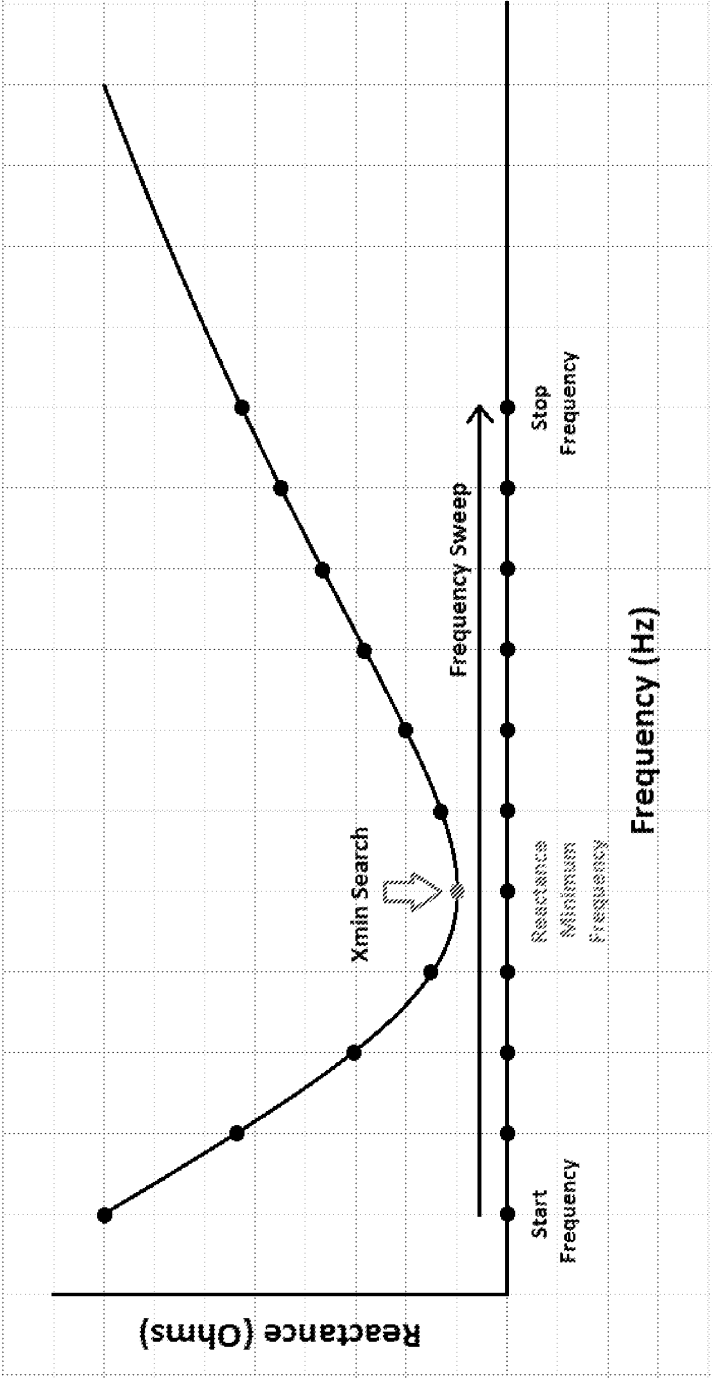
Perform global sweep to locate the reactance minimum desired

Figure 37



Perform a frequency mini-sweep at the reactance minimum to track it

Figure 38



Frequency mini-sweep details

Figure 39