**Catching the Perfect SAR Waves: Mathematical Model**

**Instructions: Use the table and graph provided to record your results when calibrating your radar system. Represent the distance as a function of voltage. It is recommended that you verify your voltage output more than once to ensure accurate readings. Readings from sensor to sensor may vary slightly.**

**Radar Position: Horizontal**



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| ***Distance (cm)*** | ***Voltage******(V)*** |
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**Radar Position: Vertical**



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| ***Distance (cm)*** | ***Voltage******(V)*** |
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