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**Product
Bulletin**

A-10

MICROSORB TEST BOXES

Your Pathway to Innovative Solutions

Shielded Anechoic Test Boxes

Microsorb Technologies has been fabricating custom shielded test boxes for customers for over ten years.

These test boxes have been custom designed for each customer's particular requirements. As a result, several general types of anechoic test boxes evolved which perform a variety of tasks. The various tasks incorporate innovative designs which use single chamber, dual chamber, low frequency, low power, high power capabilities, and use of custom fabricated microwave absorbers.

In order to service our customers, **Microsorb Technologies** has developed a questionnaire and design guide. Please answer the questionnaire as completely as possible so **Microsorb Technologies Customer Service** can assist you and provide a test box which will perform to your test requirements.

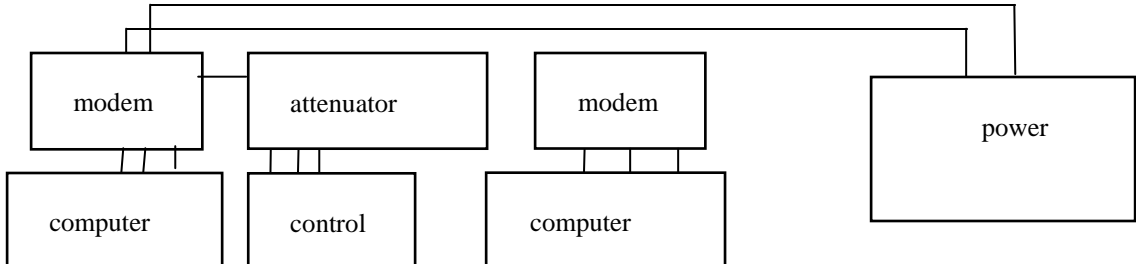
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ABSORBER TEST BOX QUESTIONNAIRE & DESIGN GUIDE INSTRUCTIONS

Section 1	Company Information Self-Explanatory
Section 2	Test(s) to be Performed List All tests which will be performed in the test box. This will allow MT to determine box size and type.
Section 3	Test Configuration Show a block diagram of the test configuration and shielding barriers desired. Below is a sample which measures receive sensitivity of two wireless modems.  <pre> graph TD M1[modem] --- C1[computer] M1 --- A[attenuator] A --- M2[modem] M2 --- C2[computer] P[power] --- M1 P --- M2 </pre>
Section 4	Shielding Requirements List the frequency range and level of shielding required.
Section 5	Test Article Size Describe the test article so that it can be referenced to the test configuration and state the test article dimensions.
Section 6	Size of Other Equipment, Inside of Box Describe any other equipment to be inside of the test box. Again, describe only to allow reference to the test configuration.
Section 7	Frequency Range Record the frequency range for the test described in Section 2. This will allow MT to select the absorber.
Section 8	Measurement Accuracy
Section 9	Power and Signal Filtering List the input power to be filtered, voltage, # of phases, hertz and amperage. List the signal line voltage, amperage, # of lines, and frequency of operation.
Section 10	Radiated Power Record the level of any radiated power, if applicable.

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Comments	List additional comments that could influence test box design in this section.	
<i>If you need any assistance, please contact Microsorb Customer Service for assistance. 401-767-2269</i>		
Section 1		
COMPANY: _____	CONTACT _____	
ADDRESS : _____	PROJECT: _____	
TELEPHONE: _____	FAX: _____	
Section 2	Test 1	
TEST to be PERFORMED		
	Test 2	
	Test 3	
	Test 4	
Section 3	TEST CONFIGURATION	
Test 1	Test 2	
Test 3	Test 4	
Section 4	FREQUENCY RANGE	ATTENUATION
SHIELDING REQUIREMENTS		
Section 5	DESCRIPTION	SIZE
TEST ARTICLE SIZE		
Section 6	DESCRIPTION	SIZE
SIZE of OTHER EQUIPMENT TO BE INSIDE OF BOX		
Section 7	FREQUENCY RANGE	
Section 8	MEASUREMENT ACCURACY	
Section 9	POWERLINE & SIGNAL FILTERING	
Section 10	RADIATED POWER (WATTS/SQ INCH)	

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