

2. Devices / Antennas to be characterized (Overwrite examples shown in red color)

TYPE	<i>e.g., Planar patch antenna with amplifier circuits</i>
NUMBER OF SAMPLES	<i>e.g., 3</i>
OPERATING FREQ.	<i>e.g., 500 MHz, 5 GHz, and 35 GHz</i>
TYPE OF CONNECTORS	<i>e.g., Please see note 1</i>
REQUIRED INPUT POWER	<i>e.g., 0 dBm, -5 dBm, and 5 dBm</i>
SMALLEST FEATURE/SIZE	<i>e.g., Transmission line in the circuit has 50-μm width</i>
TALLEST STRUCTURE	<i>e.g., Bonding wire between the circuit and antenna</i>
HEIGHT VARIATION	<i>e.g., The bonding wire is about 100 μm from substrate</i>
PHYSICAL DIMENSION	<i>e.g., Please see note 2.</i>

NOTE : (Please identify individual operating condition and size if you have multiple samples)

e.g.,1. Coax connectors (SMA and K) for RF. BNC for DC bias.

e.g., 2. The dimensions for the samples are: 20 cm \times 35 cm, 2 cm \times 3.5 cm, and 2 mm \times 3.5 mm.

3. Measurement condition (Overwrite examples in red color)

FREQUENCIES	<i>e.g., Please see note 1.</i>
FIELD COMPONENTS	<i>e.g., X and Y components for antenna, Z for Circuit</i>
SCAN STEP SIZE	<i>e.g., Please see note 2.</i>
SCAN AREA	<i>e.g., Please see note 3.</i>
SCAN DISTANCE	<i>e.g., 1 mm from the top of substrate</i>

NOTE : (Please identify individual measurement condition if you have multiple samples)

e.g., 1. 500 and 450 MHz for sample 1, 5 GHz for sample 2, 35.4 GHz for sample 3.

e.g., 2. Sample 1: 1 cm × 1 cm for antenna, 50 μm × 50 μm for circuit

Sample 2: 1 mm × 1 mm for antenna, 50 μm × 50 μm for circuit

Sample 3: 50 μm × 50 μm for antenna, 50 μm × 50 μm for circuit

e.g., 3. The dimensions for the samples are: 20 cm × 35 cm, 2 cm × 3.5 cm, and 2 mm × 3.5 mm.

4. Measurement objectives (Overwrite examples in red color)

Please identify your major objectives during this measurement service.

e.g., 1. Identify signal discontinuity point in the circuit.

e.g., 2. Determine power loss at the circuit and antenna transition.

e.g., 3. Examine field uniformity on the antenna.

5. Post analysis and Consultant (Overwrite examples in red color)

Please note this step is a part of premium service. Additional cost may be applied.

e.g., 1. Internal gain analysis between the amplifiers in the circuits.

e.g., 2. Far-field analysis (including Gain analysis) of antenna from measured results.

e.g., 3. Cross-talk between sample 1 and 3 if they are placed side by side with 1 cm distance.

e.g., 4. I may need suggestions from Opteos to improve the overall performance of my samples.

e.g., 5. If possible, I'd like to request numerical simulations for a new design.

Thank you for choosing OPTEOS' Electro-Optic Measurement Service. Your input information will be analyzed and our measurement engineer will contact to you shortly with a detailed measurement plan, including a time schedule for your review. If you have any questions, please contact OPTEOS, Inc. at

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