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Procedure:

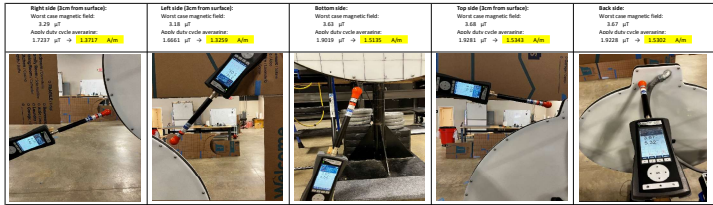
1. Measure worst case field on all sides of the DUT, except for the front side.
The front side is known to be the worst case magnetic field, so the side and back have shunting.
Apply duty cycle averaging over appropriate time (30 minutes) to each side and back measurement.
2. Mark out grid.
(See pictures)
Mark out 2.5 inch grid squares.
Approximately 1.6 meters below product.
Up to 1.5 meters from bottom edge to top of grid.
3. Measure best field at each grid position (27 cm from surface in order to fall within limit).
4. RMS average the field.
Over a range of approximately 1 meter wide and 1.8 meters tall.
Swap that range over the entire grid range (and the range starts to leave the grid).
Find worst case spatially averaged field measurement and apply step 4.
5. Apply duty cycle averaging over appropriate time (30 minutes).

1 A/m = 1.2566 μ T H Limit: 1.63 A/m

Equipment:

Wavesetec EN Probe Model WPK00-5-1N-220W12008
Wavcontrol Field Meter SMP2 5-1N-220W12003

Step 1: Measure worst case field on all other sides of the DUT.
27.45%.

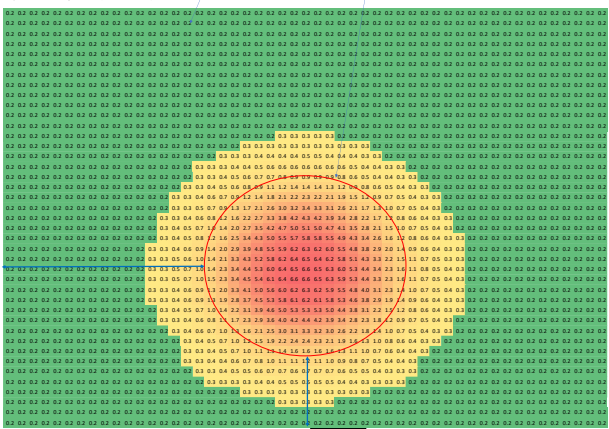


Step 2: Measure at each grid location (27 cm from surface)

Product Parameter

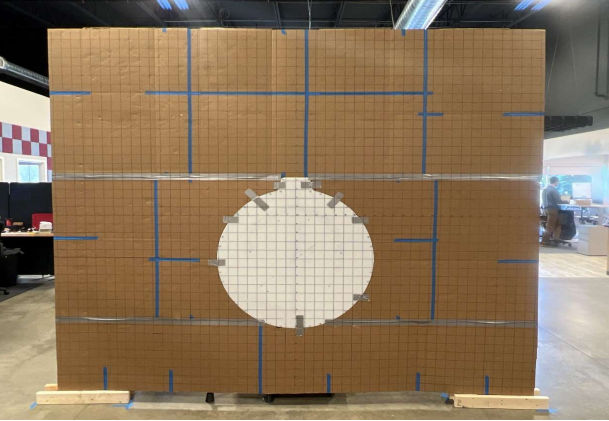
1.6 meters from bottom of product to top of measurement zone

1 meter distance from the sides of the product to the center of the measurement zone



Step 2: Marked out grid

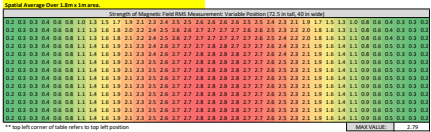
Picture of the actual setup along with the DUT



**All measurements taken from
**Each point is 2.5" apart

10" product

Step 4: RMS average the field over an area



**All measurements taken from the top left position

1.0000000000000000

Step 5: Apply duty cycle averaging

(Use duty cycle averaging after performing spatial averaging)

Product duty cycle in operative state:

1.5 seconds ON

0.25 seconds OFF

(Repeating through 30 minute period)

Max spatially averaged value found from measurements above:

2.25 μ T

Value after applying duty cycle averaging:

1.46 μ T $\rightarrow$ 1.1655 A/m