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Date: 8-M-22

Procedure:

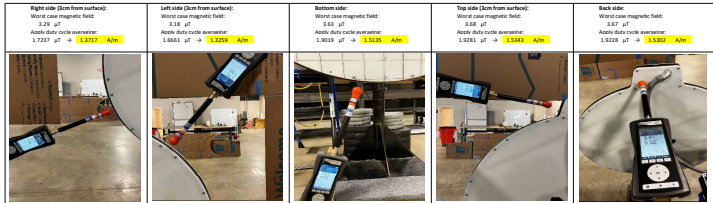
1. Measure worst case field on all sides of the DUT, except for the front side.
The front side is known to be the worst case magnetic field, so the side and back have shunting.
Apply duty cycle averaging over appropriate time (30 minutes) to each side and back measurement.
2. Mark out grid.
(See picture)
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:

Wavescan EN Probe Model WP400-5 5m 2209P12008
Wavescan Field Meter SMP2 5m 2208083

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



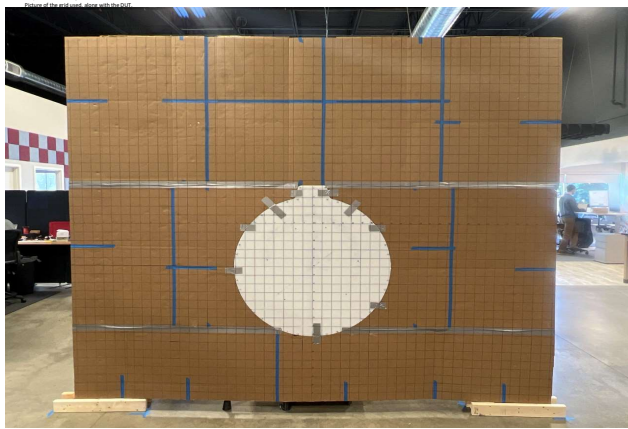
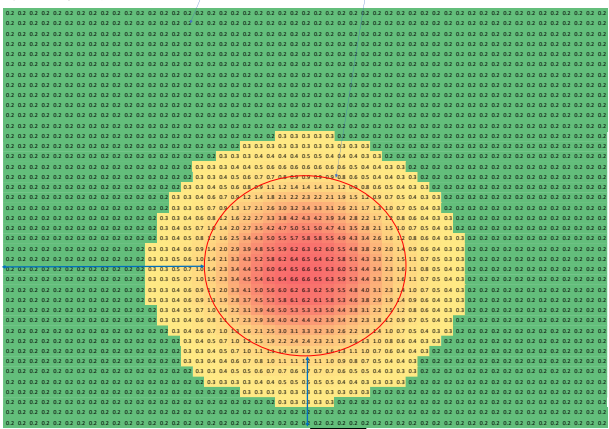
Step 2: Measure at each grid location (27 cm from surface)

Product Parameter

Step 2: Marked out grid
Picture of the grid used during this step

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



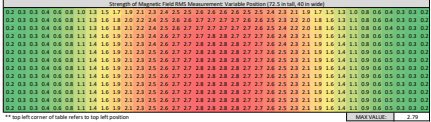
**All measurements in Gauss/cm

**Each point is 2.5" apart

30" product

Step 4: RMS average the field over an area

Strength of Magnetic Field (mT) Measurement Variable Position (27.3 in to 40 in wide)



**Top measurement (Gauss/cm) is top left position

1.0001 Gauss/cm

Step 5: Apply duty cycle averaging

(Use duty cycle averaging after performing spatial averaging)

Product duty cycle in cooperative mode:

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 $\rightarrow$ 1.1652 A/m