

Grey Blocks are  
Pull Down Menus  
See Next Page

IEC 61000-4-3 Protocol:

- Field Strength: 1, 3, 10 V/m, Tolerance -0 dB, + 6 dB ( 6dB is 2 times Field Strength)
- Target Field Strength  $\geq$  Measured Field Strength < 2 times Target Field Strength
- 80%, 1 KHz AM Modulation (Internal to Signal Generator)
- Dwell > 0.5 seconds
- Sweep:  $F_{n+1} = F_n + (0.1 * F_n)$ .

Equipment Requirements:

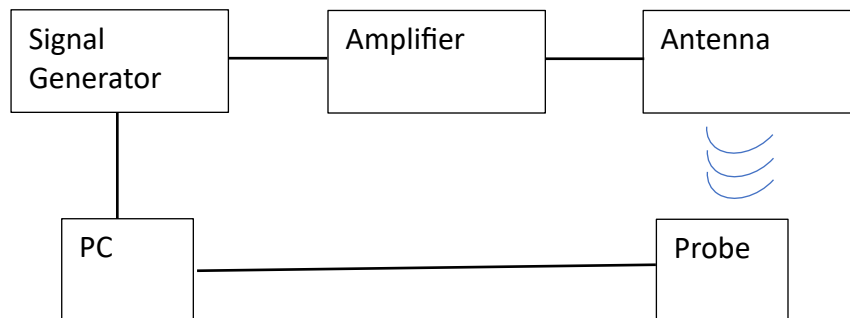
- Probe Temperature and Battery within tolerance
- Fstart > Flo (Probe, SG, Amp, Antenna)
- Fstop < Fhi (Probe, SG, Amp, Antenna)
- Pmax < Pin (Amplifier)

Probe Pic & Name $F_{lo}$ $F_{hi}$
ETS HI-6006 $F_{lo} = 0.1$ MHz $F_{hi} = 6000$ MHz

SG Pic & Name $F_{lo}$ $F_{hi}$ $P_{max}$
Agilent N5181A $F_{lo} = 0.1$ MHz $F_{hi} = 6000$ MHz $P_{max} = 10$ dBm

Antenna Name $F_{lo}$ $F_{hi}$
ETS 3143B $F_{lo} = 30$ MHz $F_{hi} = 3000$ MHz
EMCO 3115 $F_{lo} = 1000$ MHz $F_{hi} = 18000$ MHz

Amplifier Name $F_{lo}$ $F_{hi}$ $P_{in}$
AR 25A250AMB $F_{lo} = 1$ MHz $F_{hi} = 300$ MHz $P_{in} = 0$ dBm
IFI SMX25 $F_{lo} = 300$ MHz $F_{hi} = 1000$ MHz $P_{in} = 0$ dBm
IFI S3110 $F_{lo} = 800$ MHz $F_{hi} = 3000$ MHz $P_{in} = 0$ dBm
MC ZVE8G $F_{lo} = 2000$ MHz $F_{hi} = 8000$ MHz $P_{in} = 0$ dBm



GME 11/20/23

Field Control per IEC 61000-4-3

Example Compliant Test Setup

