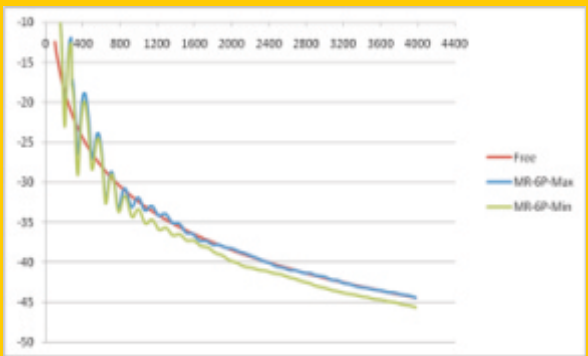


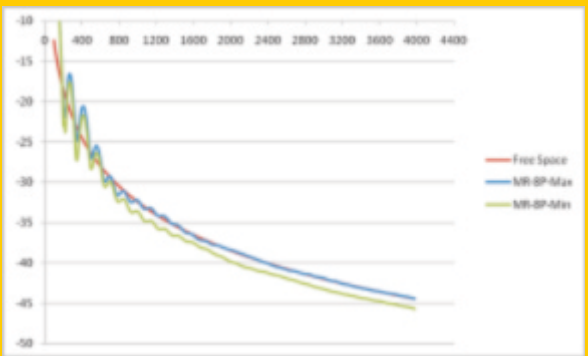
QuietBOX-AR



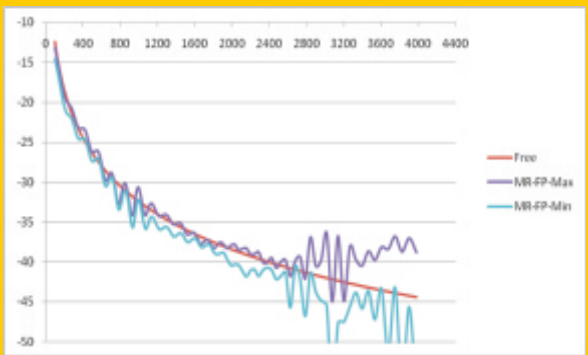
FIELD UNIFORMITY ANALYSIS



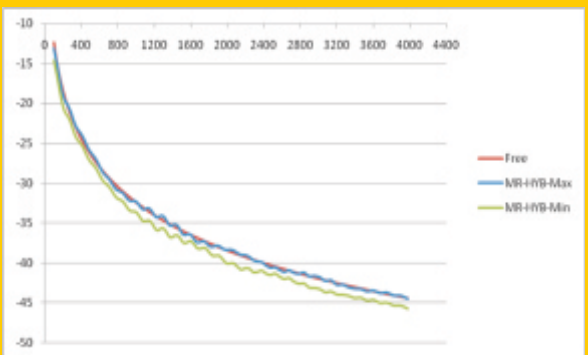
AEP-6"



AEP-8"



Ferrite Tile



Hybrid Ferrite Tiles
AEP-8"

Field Uniformity Analysis

Chamber Name: QuietBOX-AR

Chamber Size: 36' x 84" x 36"

Absorber Treatment: 6", 8", FP, HYP

Path Length: 1m (39.37")

Tx Antenna: Standard Gain Horn

Tx Location: Centre Line 6" off of back wall

Rx Antenna: Omnidirectional Probe



3994 Elphin Maberly Rd
PO Box 23072, Ottawa,
Ontario Canada K2A 4E2

QuietBOX-AR

As an industry leader,
We are committed to
providing innovative solutions
of the
highest quality



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QuietBOX-AR

Features



Standard Features

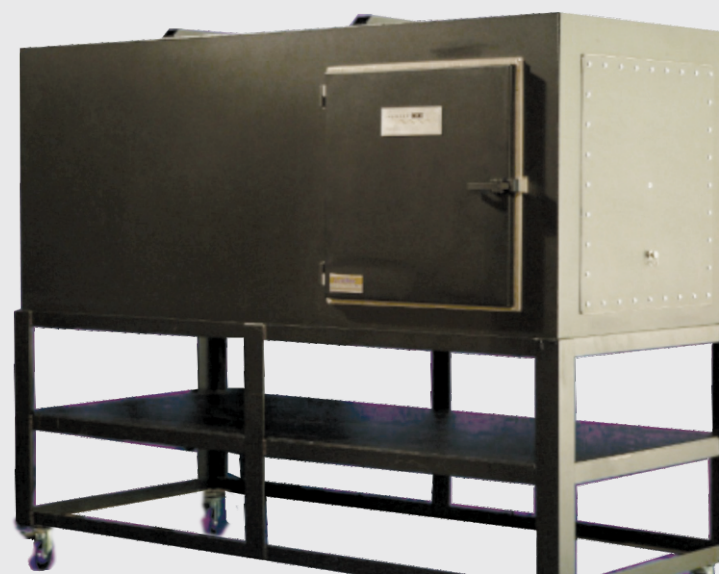
The Raymond RF QuietBOX-AR is a mobile solution for pre-compliance EMC, RCS and RF Radiation Measurements. Many clients utilize the QuietBOX-AR for pre-compliance Over-the-Air (OTA) verification testing including 3D antenna pattern measurement, and total power & total isotropic sensitivity testing. Fully equipped with client specified broadband absorber, integrated antenna and rolling cart, the QuietBOX-AR is a cost effective option for product verification prior to fully compliant testing.

Optional Features

When compared to the cost of a walk-in pre-compliance chamber, the aluminum QuietBOX-AR is a cost effective solution for performing pre-compliant emissions and susceptibility testing on products up to 16' x 16' x 16' in size. A shielded access hatch allows access to the standard 2' x 2' absorber platform at one end of the horizontally oriented enclosure. An integrated broadband antenna mounted at the opposite end allows R.F. Transmission and reception while broadband absorber helps eliminate reflections to ensure test repeat-ability.

- Certified RF Shielding Effectiveness Test at 1000 MHz to IEEE 299 " IEEE Standard Method for Measuring the Effectiveness of Electromagnetic Shielding Enclosures", 21 April 1998. RF shielding effectiveness test report certifying the results.
- 24" x 24" RF shielded door
- Rf Shielding performance 80 dB from 1 MHz to 10 Ghz
- All aluminum construction with protective clear finish
- 2 each 24" x 24" aluminum bulkhead panels located on both 3" x 3" ends of the enclosure
- 36"W x 84"L x 36"H (outer dimensions)
- Lined with AEP-6" broadband pyramidal absorber on all surfaces
- Shipping weight 865 lbs

The QuietBOX-AR sits atop an optional rolling cart complete with an integrated equipment shelf. Cart casters are lockable, providing stability during use. When not in use, the QuietBOX-AR can be easily rolled to an out-of-the-way location. Site conditions need to be a flat and level area to suit the 36" x 84" footprint.



- Black Satin Powder coat finish
- Substitute AEP-6" with AEP-8" broadband pyramidal absorber on all surfaces (adds 45lbs)
- Substitute AEP-6" with ferrite tile absorber on all surfaces (adds 905lbs)
- Substitute AEP-6" with hybrid ferrite tile / AEP-8" absorber on all surfaces (adds 1045lbs)
- All aluminum rolling cart with middle shelf
- Dual Ridge Horn mounted in QuietBOX-AR, 700 MHz - 18 Ghz
- Single and Dual Exhaust Fan Package
- 5A 120 VAC Power Package (includes filter, 10' cord, internal duplex receptacle)
- 15A 120 VAC Power Package (includes filter, 10' cord, internal duplex receptacle)
- 10/100 Base T fibreoptic filter (100 dB shielding between 10 kHz and 10 Ghz
- 10/100/1000 Base T fibreoptic filter (100 dB shielding between 10 kHz and 10 GHz)
- Fire-alarm, telephone, signal filters
- 1 AMP DC 2 conductor Filter for T-Stat
- GBIP Fibreoptic Feedthrough (100 dB shielding between 10 kHz and 10 GHz)
- USB Filter (100 dB shielding between 10 kHz and 10 GHz)
- DB9, DB15 or DB25 DSUB Filtered Feedthroughs (70 dB shielding between 10 Mhz and 1 GHz)
- N type, BNC, SMA, TNC RF Coaxial feedthroughs, c/w caps
- 12 port fibreoptic feedthrough
- 1/2", 3/4", 1" NPT bronze feedthrough waveguides
- 4" x 4" screen window
- 12" Acrylic LED light rod

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