



# OCEBOX 750

ELECTROMAGNETIC  
ANECHOIC BOX

# TOTAL RF MOBILITY: DUAL POLARIZATION AND ABSORBERS IN A SINGLE PIECE OF EQUIPMENT

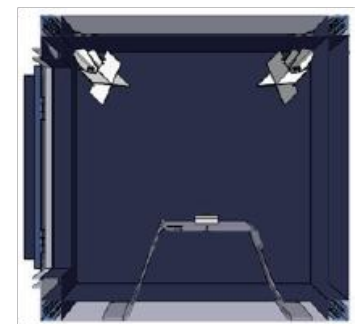
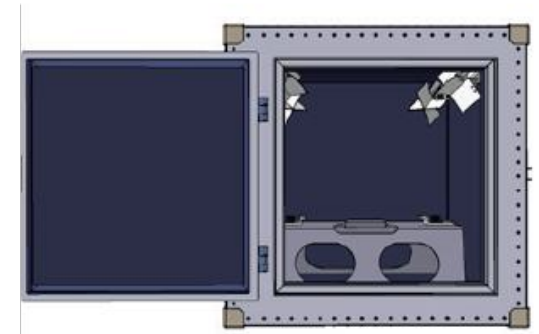
## INTRODUCING OCEBOX 750

Portable and efficient, the **OceBox 750** is an electromagnetic anechoic box, designed to perform **wireless tests**, including 5G tests, 4G tests and other customized tests.

In its standard configuration, the **OceBox 750** is equipped with 4 sets of antennas with dual polarization, which can be used to emulate radio base stations or other types of signals.

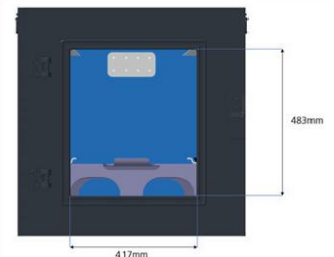
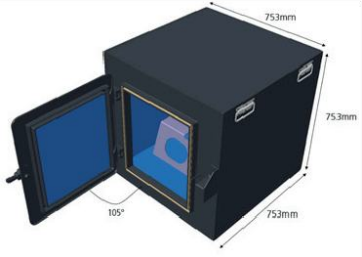
The box has a shielding efficiency of **60 dB** in the frequency range of up to **7.5 GHz**, a test table made of dielectric material, 4 pairs of Vivaldi antennas with dual polarization, power and signals as well as RF connectors.

The box absorbers provide reflectivity reduction of **at least 17 dB** lower than normal incident energy and are equally effective against linear, elliptical or circular polarization and relatively insensitive to angles of incidence **up to 70 degrees**.




GENERAL SPECIFICATIONS	
Weight	62.05 kg
Equipment dimensions	753 mm × 753 mm × 753 mm
Door dimensions	410 mm × 480 mm
Shielding effectiveness	60 dB
Frequency range	600 MHz - 7.5 GHz
Antenna type	DPVA
RF connector	SMA

INTERNAL TEST BENCH	
Area	220 mm × 552 mm
Electric field amplitude variation	± 4.3 dB across diagonal area



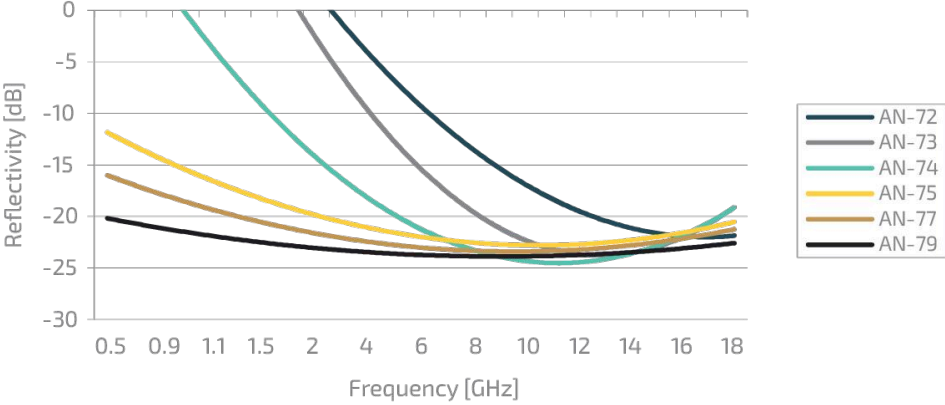
AN-75



Key features:




- Carbon loaded, multilayer absorber
- Broadband free space absorber
- Low weight
- RoHS/Reach compliant
- Reflectivity range (> 17 dB): **> 2.4 GHz**
- Nominal thickness: **2.9 cm (1.14 in)**
- Nominal weight: **0.80 kg/piece (1.8 lb/piece)**

Typical Reflectivity





Frequency [GHz]	AN-72	AN-73	AN-74	AN-75	AN-77	AN-79
0.5	-10	-12	-15	-18	-20	-22
2	-15	-18	-20	-22	-24	-26
4	-20	-22	-24	-26	-28	-30
6	-22	-24	-26	-28	-30	-32
8	-24	-26	-28	-30	-32	-34
10	-25	-27	-29	-31	-33	-35
12	-26	-28	-30	-32	-34	-36
14	-27	-29	-31	-33	-35	-37
16	-28	-30	-32	-34	-36	-38
18	-29	-31	-33	-35	-37	-39

POWER AND SIGNAL CONNECTIONS	
Internal antenna	1× power module with 2× USB 3.0 and 3× RJ45
Power connection	1× filter module with 1× AC input and 1× DC input
Antenna connection	8× SMA (f) connectors are available at the box rear panel, each one connected to a radiating element
Connection panel	The internal and external interface is customizable



INTERNAL ANTENNAS	
Frequency range	0.6 GHz – 8.0 GHz
RF connector	SMA (f)
Dimensions	130 mm × 70 mm × 1 mm
Terminations	50 Ω
VSWR	< 3.5 @ 0.6 GHz – 8.0 GHz
Antenna type	DPVA









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