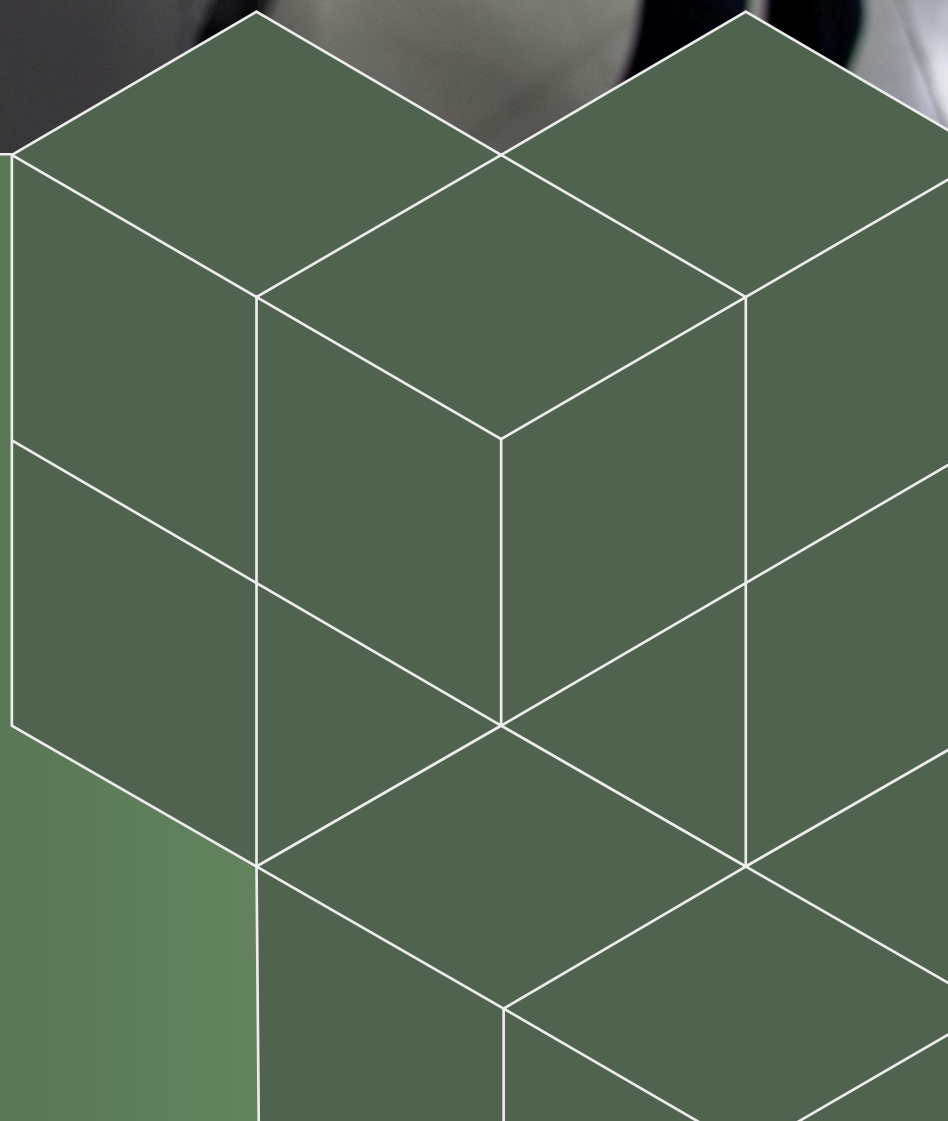




OCEBOX 2100

ELECTROMAGNETIC
ANECHOIC BOX



ADVANCED RF TESTER FEATURING ROBUST SHIELDING AND COMPLETE 360° POSITIONING

INTRODUCING OCEBOX 2100

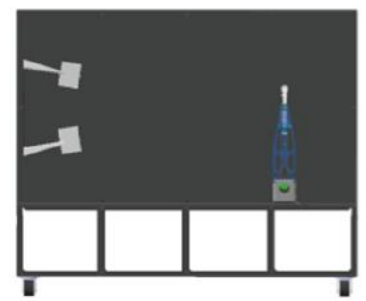
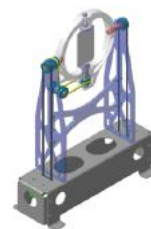
Practical and agile, the **OceBox 2100** is an electromagnetically shielded box, designed to meet **customized 5G tests**, with options that meet RF1 or RF2 tests, and with customization capability for other applications.

The box has a shielding efficiency of **60 dB** in the frequency range of up to **7.5 GHz**, is coated with absorber material inside, 4 pairs of Vivaldi dual polarization antennas, power and signal filter, as well as RF connectors and a DUT positioner that allows 360° spherical rotation.



POSITIONING SYSTEM

The **Positioning System** allows placing the device under test quickly and easily, allowing spherical rotation in 360°. The system also has software that allows a greater degree of integration and automation in the tests.




| GENERAL SPECIFICATIONS | | SHIELDING EFFECTIVENESS | |
|---------------------------------|-----------------------------|-------------------------|------------------|
| Weight | 400 kg | Frequency [GHz] | Attenuation [dB] |
| Equipment dimensions | 1750 mm × 1200 mm × 2100 mm | 0.6 - 1.0 | 75 |
| Anechoic environment dimensions | 1200 mm × 1200 mm × 2100 mm | 1.0 - 3.5 | 70 |
| Door dimensions | 600 mm × 690 mm | 3.5 - 7.5 | 60 |
| Minimum attenuation | 60 dB | | |
| Frequency range | 600 MHz - 7.5 GHz | | |

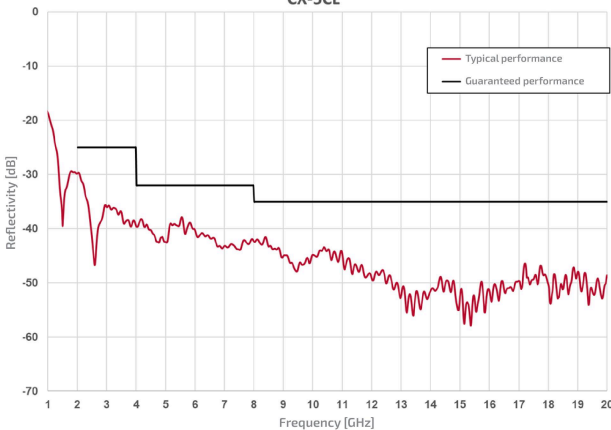
CX-5CL


Key features:

- Non-Hygroscopic Substrate
- 1 GHz to 110 GHz Frequency Range
- RF Reflectivity Performance up to 60% from Normal Incidence
- 0.5 W / in² Power Handling Capability
- 90 °C (190 °F) Maximum Service Temperature
- Uniquely Shaped Tips Minimize Breakage
- Fire Retardant
 - NRL 8093 Tests 1, 2 & 3
 - TI #2693066
 - MIT MS-8-21
 - UL 94
 - DIN 4102-B2

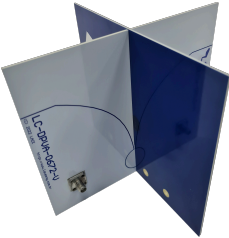


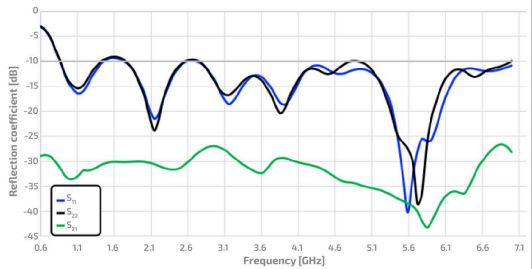
CX-5CL



| 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 | 0.7 GHz – 8.0 GHz |
| RF connector | SMA (f) |
| Dimensions | 150 mm × 125 mm × 1.5 mm |
| Terminations | 50 Ω |
| VSWR | < 3.0 |
| Antenna type | DPVA |









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