SEIBERSDORF LABORATORIES

SITE VSWR POSITIONERS

PRECISE MOVEMENT - FAST MEASUREMENT

Automatic Site VSWR Positioner SPA2

SITE VSWR MEASUREMENT

CISPR 16-1-4 defines a new technique to validate fully anechoic rooms in the frequency range 1 – 18 GHz. This method is called Site VSWR measurement. Seibersdorf Laboratories' **POD Antennas** are designed to exceed the requirements given in this standard.

The correct mounting of the antennas is crucial for the validation test. The positioning on site must be done in the same orientation as the patterns have been calibrated, thereby avoiding any unwanted coupling between antenna and stand. As classical antenna masts and tripods have proven inapropriate for this task Seibersdorf Laboratories developed the Site VSWR Positioners.

The new SPA2 (automatic Site VSWR Positioner) is the tool of choice for correct positioning, easy polarization change simple and fast operation. The SPA2 is controlled via USB/OptoLink from the PC. The 6 test points for each location are measured automatically with our CalStan 11 Site VSWR measurement plugin. Only polarization and test volume location have to be changed manually. This reduces the manual modifications in the chamber by up to 84% compared to the manual SPM1.

Presented by: ABSOLUTE EMC

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ADVANTAGES OF THE SITE VSWR POSITIONERS

- Antenna Stand minimizes the influence of reflections and defines the cable routing (low coupling) for repeatable results
- easy polarization change
- accurate positioning

Manual
Site VSWR Positioner SPM1
with POD Antenna

Automatic
Site VSWR Positioner SPA2
with POD Antenna

MODELS

SPA2: Automatic Site VSWR Positioner including positioner, power supply, tubes and holders, USB-OptoLink, 3 and 10 m LWL cable (30 m upon request)

- Save as up to 84% manual setup modifications in the chamber
- Simple remote control of automatic positioner via OptoLink
- Measurement plugin for CalStan 11 available with automatic detection of SPA2

SPM1: Manual Site VSWR Positioner including tubes, holders and ruler

Please specify your test volume height and the bottom height of your volume with respect to the height you would like to place the antenna stand so that we can provide the correct tubes.

OPTIONS

- **Flight Case designed for the POD Antenna Case, our POD Antenna stands SPA2 or SPM1 with accessories and cables**
- **Additional tubes for different test volume heights**
- **CalStan 11 Site VSWR plugin for remote control and automatic testing**

TECHNICAL DATA

	SPA2	SPM1
Dimensions (footprint):	79 x 65 cm	70 x 40 cm
Height (max):	2,5 m	2,5 m
Weight:	11 kg	11 kg
Power supply:	110-230V 50/60Hz	-
Remote control:	USB / OptoLink	-
Movement precision:	± 1 mm	-
Overall positioning:	± 2 cm	± 2 cm

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