SEIBERSDORF LABORATORIES

REFRAD X

COMB GENERATOR AND FIELD SOURCE

NEW:
ACCREDITED CALIBRATION INCLUDED

THE ESSENTIAL TOOL FOR EMC TEST LAB QUALITY ASSURANCE

RefRad X is a battery operated comb generator and Field Source for producing a well defined signal to test the performance of EMC and EMF measurement systems in the frequency range of 10 kHz to more than 3 GHz with three unique features:

- BROADBAND ANTENNA DESIGN OF GENERATOR
- INCREASED DYNAMIC RANGE VIA FIBRELINK X
- LISN CHECK FROM 10 KHZ

APPLICATION EXAMPLES

- **SYSTEM CHECK** for radiated emission set-ups using the Field Source or the Antenna Coupler method
- **SYSTEM CHECK** for conducted emission set-ups with LISN Coupler
- **NSA MEASUREMENT** according to CISPR 16-1-4 in fully anechoic rooms in Field Source Mode
- **NSA MEASUREMENT** in semi anechoic environment in 3 m and 10 m distance with FibreLink X for increased dynamic range

ADVANTAGES

- Guarantees fulfilment of ISO 17025 requirement for the regular check of test equipment
- Avoids costly retesting by detecting defective measurement instruments prior to testing

RefRad X Field Source with FibreLink X for frequency synchronization to increase the dynamic range by up to 30 dB (patent pending)

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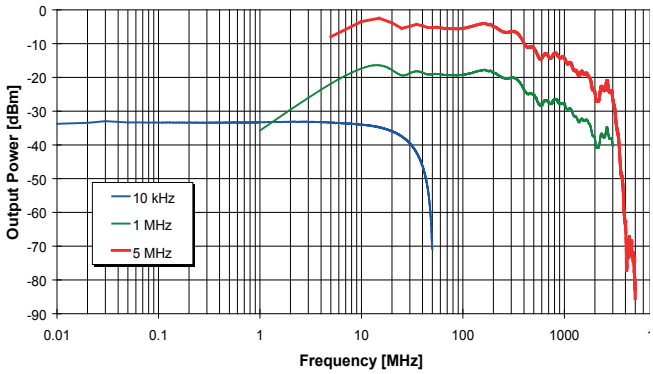
TECHNICAL DATA

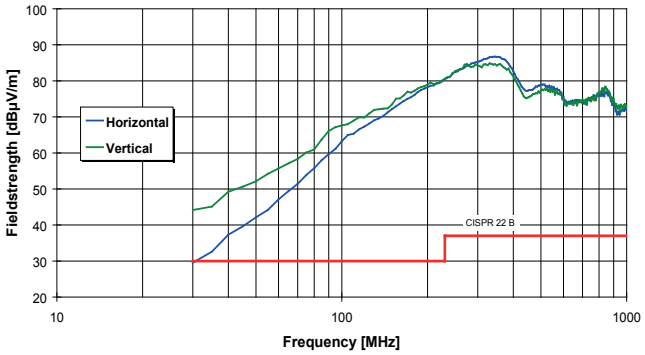
Frequency Range:	10 kHz - more than 3 GHz
Frequency Spacing:	10 kHz, 1 MHz, 5 MHz
Frequency Stability:	25 ppm (crystal)
Amplitude Stability:	± 0.2 dB (battery voltage circle) ± 0.5 dB (0-40°C)
Battery Operation Time:	6 Hours typical @ 5 MHz
Dimensions Field Source:	13.5 cm diameter, 25.5 cm height

LISN-COUPLER

Frequency Range:	10 kHz - 30 MHz
Available Types:	230V, European plug 400V (16A/32A), Multiphase plug DC, BNC plug



Typical coaxial output signals of the RefRad X Comb Generator



Typical fieldstrength of the RefRad X Field Source (5 MHz spectrum) in 10 m distance, 1 m height above groundplane

Presented by:

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