



Bern EMC Laboratory

The EMC Laboratory features the largest Gigahertz Transverse Electromagnetic (GTEM) cell in Switzerland and a semi-anechoic room to test the immunity of e.g. military systems to strong electromagnetic fields. The laboratory is equipped with the required measuring infrastructure to test the immunity and the emitted interferences in frequency ranges from DC up to 26.5 GHz.



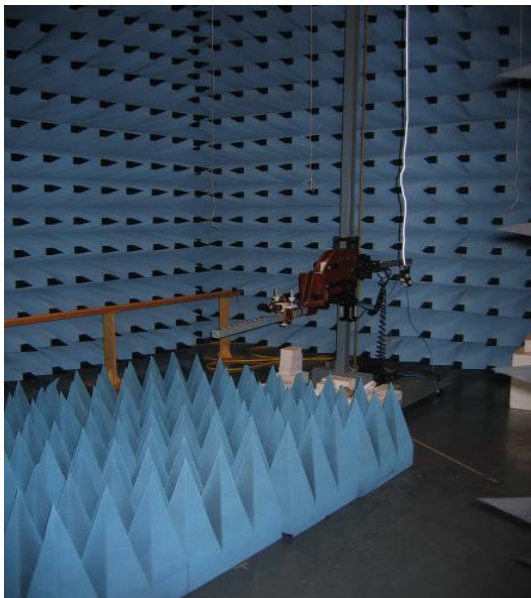
Cell GTEM-3750

Technical data GTEM-3750

- Maximum septum height 3.75 m
- Frequency range 0.01 to 1000 MHz
- Test volume
l x w x h: 1.5 m x 1.5 m x 1.5 m
- Power, frequency dependant
0.1 to 10 kW

Characteristics / description

- Measurement of immunity level to high fields level from 10 kHz to 1 GHz
- Measurement of emission level of a test object in the same frequency range is possible
- Time variation of the E-Field of 10^{15} V/m/s can be obtained with special pulse generators



Semi-anechoic room

Technical data semi-anechoic room

- Frequency range DC to 26.5 GHz
- Test volume
l x w x h: 6 m x 4 m x 4 m

Testing according to military and civilian standards for emissions and immunity

Equipment for the measurement of conducted disturbances is also available