

Parallel Plate Line

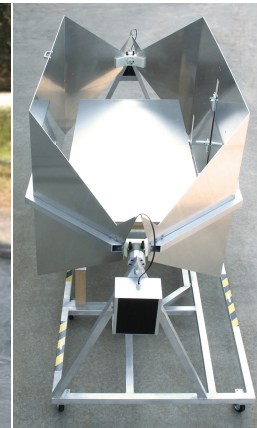


This parallel plate line is specially designed for the immunity test on small and medium-sized devices. It can also be used for specific tests according to the MIL Standards, for example MIL-STD-461 RS103 for frequencies up to 30 MHz. The main advantage of this line is that the equipment under test can be easily and successively tested in both polarisations without being dismantled. The line is electrically symmetrical, and the impedance is adapted through transformers on both sides. The line is easy to pivot and to move. The dielectric table can be removed. An included metallic plate can be placed on the table depending on the requirements of the different standards. The parallel plate line can also be used for immunity tests on automotive devices according to the European directive 2004/104/EC and on broadcast receivers and associated equipment according to EN 55020. A simpler model without rotation and chassis is also available (PPL200-70-S).

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vertical polarisation



horizontal polarisation

SPECIFICATIONS

Type	PPL200	PPL200-70-S
Polarisation	horizontal and vertical	only vertical
Frequency range (± 1 dB)	10 kHz to 30 MHz	10 kHz to 30 MHz
Field homogeneity (in 0.4 m ³)	± 0.4 dB	± 1 dB
Maximum input power	500 W continuous 1 kW (20 min.)	500 W continuous 1 kW (20 min.)
Minimum field @ 500 W input power	250 V/m	260 V/m
Line / wave impedance	200 Ω / 377 Ω	200 Ω / 377 Ω
Input impedance	50 Ω	50 Ω
VSWR	< 2.5	< 2.5
Connector type	N 50 Ω	N 50 Ω
Distance between plates	106 cm	70 cm
Total dimensions (L x W x H)	350 x 105 x 156 cm	370 x 100 x 76 cm
Total weight	154 kg	80 kg