

## E-Field Generator

### LRET-10K100M-1

E-Field generator is the typical and core equipment which tests the radiation sensitivity of electric field in the electromagnetic compatibility test as transmitting antenna. Our E-Field generator products can meet the test requirements under MIL-STD-461 / GJB 151B standards.



#### Electrical Data

Frequency range	10 kHz ~ 100 MHz
Impedance	50 Ω
VSWR	≤ 2.5
Max. power input	≤ 3000 W
Field strength	See picture
Polarization rotation	Yes (polarization rotation bracket is needed)

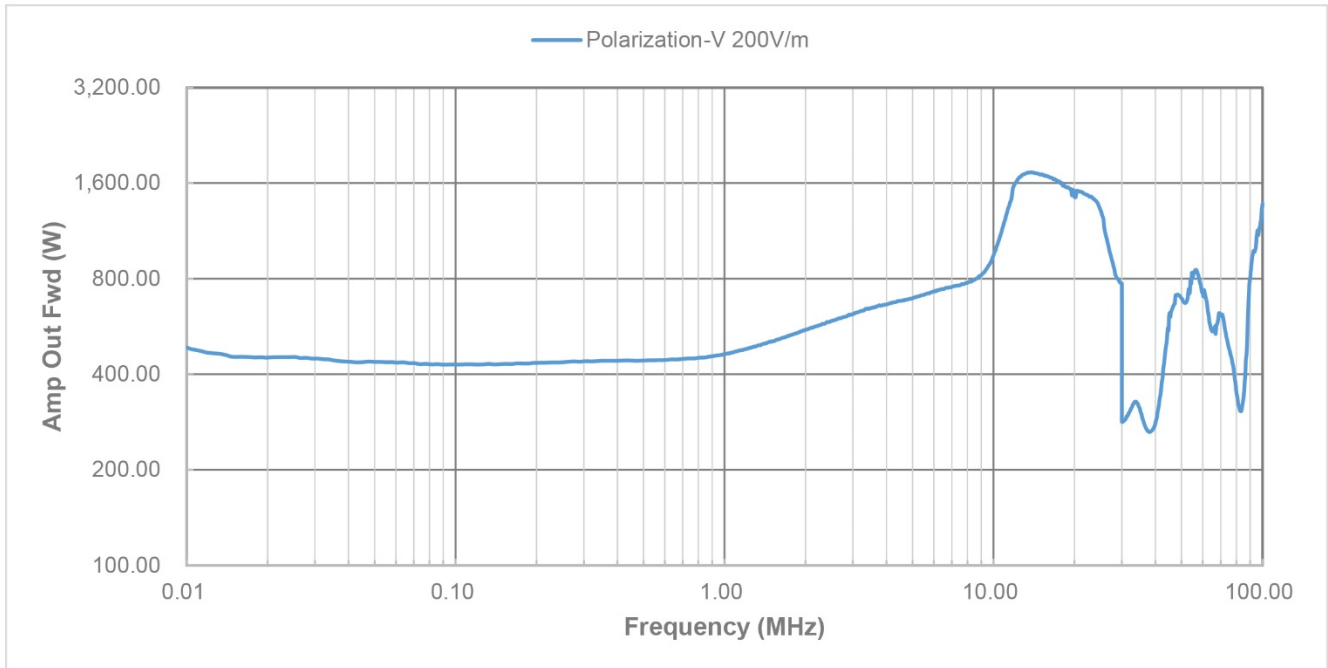
#### Mechanical Data

RF interface	7/16 female	
Size	(2611×1234×1942) mm	With basic stand bracket
	(2653×1608×2100) mm	With polarization rotation bracket (vertical polarization)
	(1972×1608×2794) mm	With polarization rotation bracket (horizontal polarization)
Weight	95 kg	With basic stand bracket
	225 kg	With polarization rotation bracket

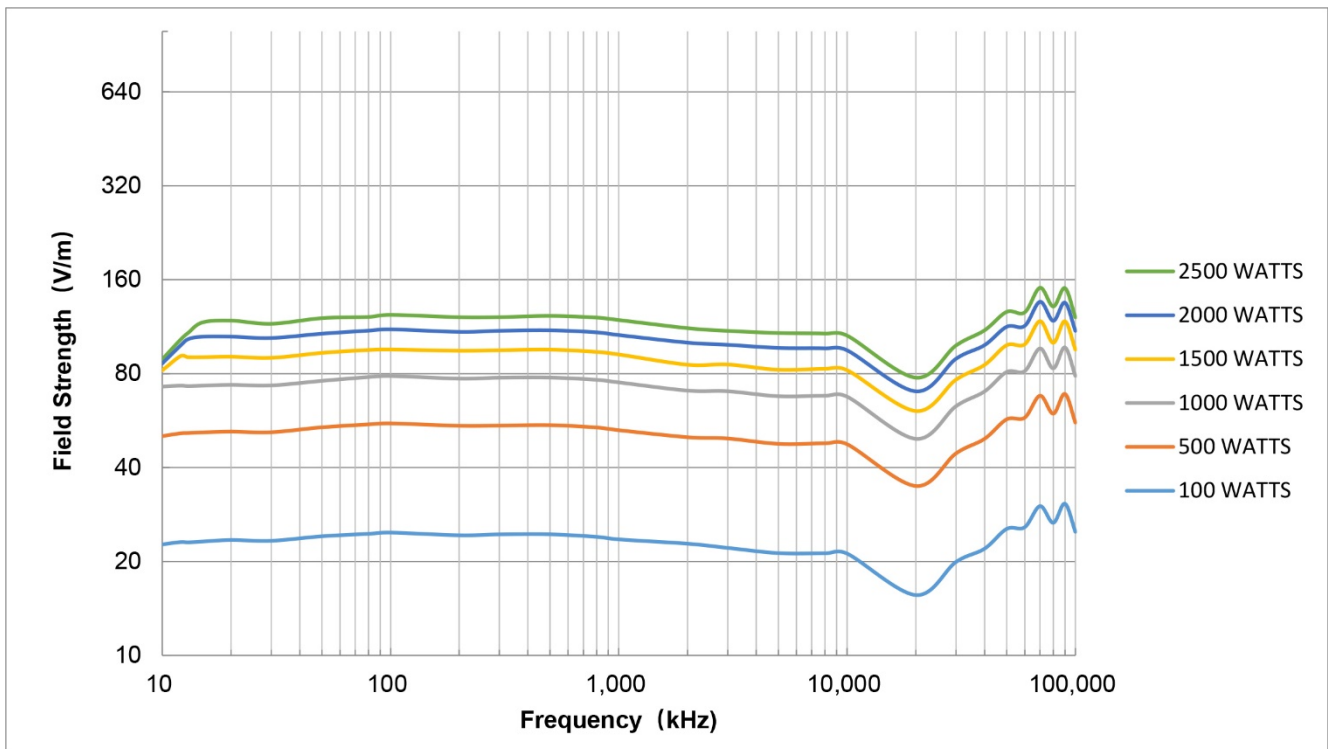


LRET-10K100M-1 with polarization rotation bracket

## Typical Measured Data

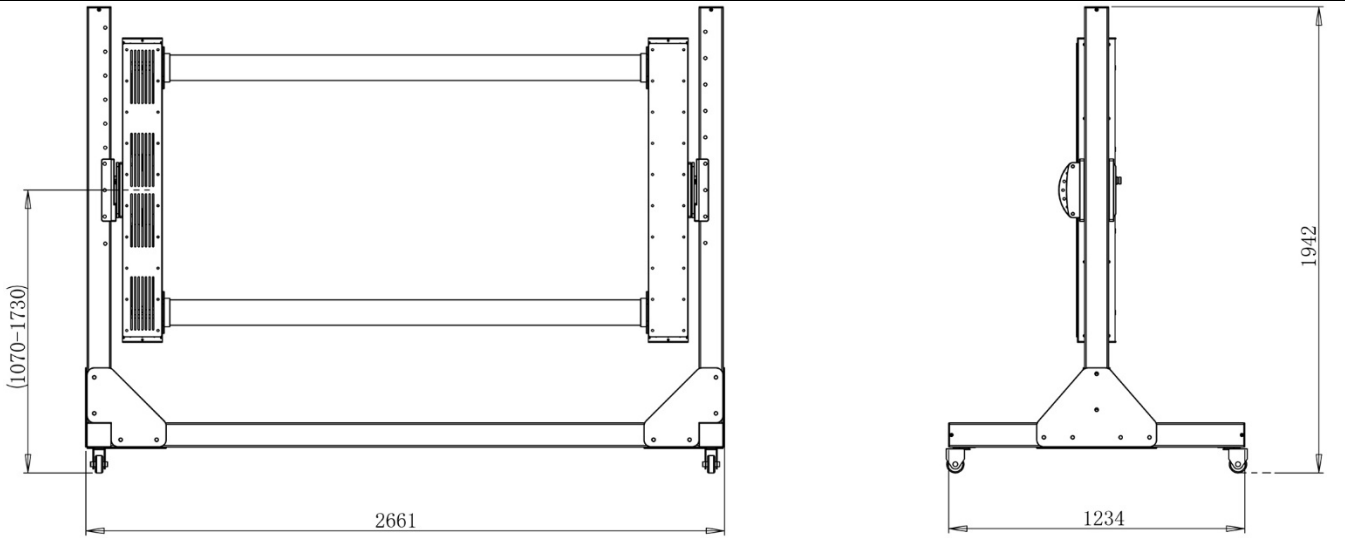


Picture 1 LRET-10K100M-1 power curve at field strength of 200 V/m (Testing distance: 0.5m)

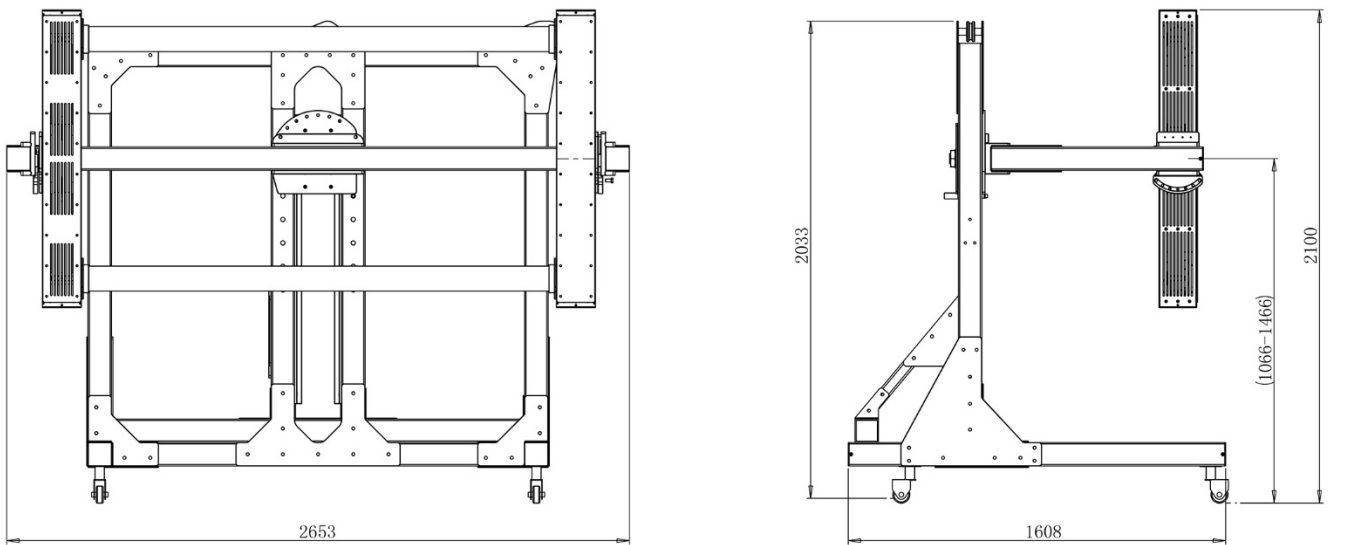


Picture 2 The field strength curve of LRET-10K100M-1 (Testing distance: 1m)

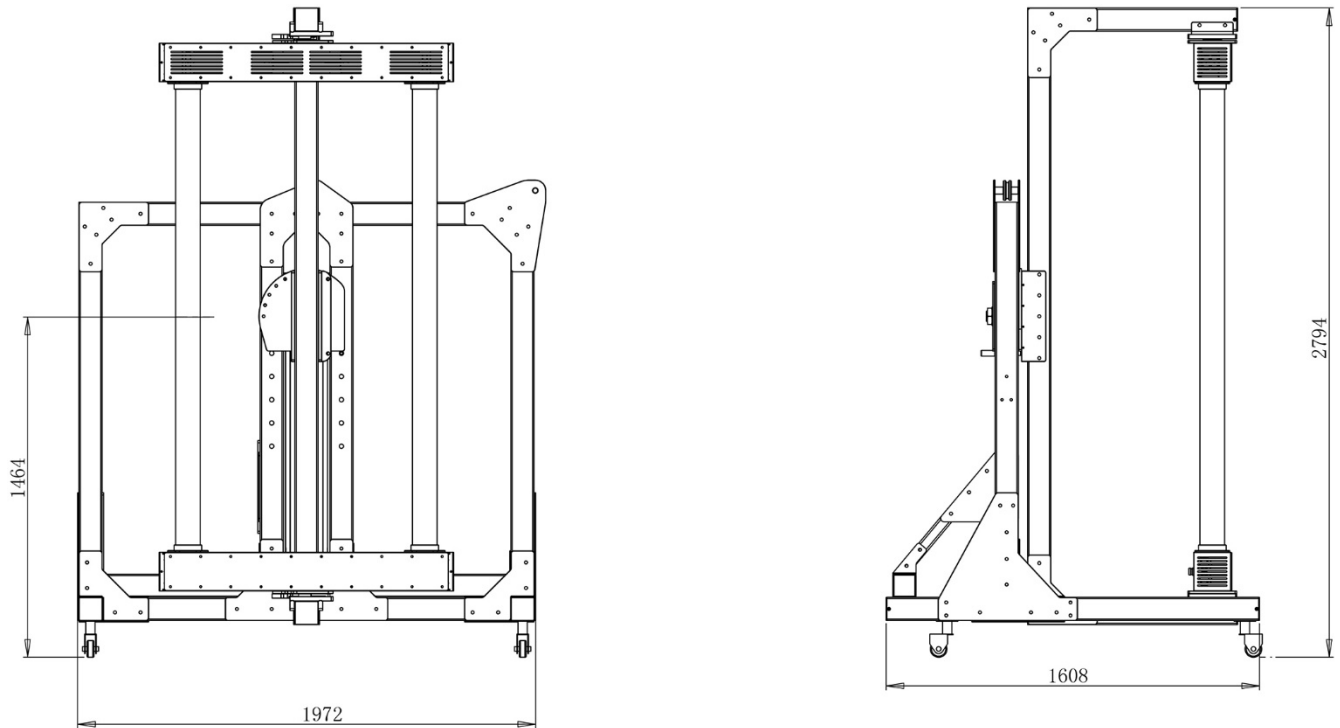
## Outline Drawings



Picture 3 The outline drawing of LRET-10K100M-1 with basic stand bracket LRET-10K100M-1\_P01



Picture 4 The outline drawing of LRET-10K100M-1 with polarization rotation bracket LRET-10K100M-1\_P02 (vertical polarization)



Picture 5 The outline drawing of LRET-10K100M-1 with polarization rotation bracket LRET-10K100M-1\_P02 (horizontal polarization)

## Ordering Information

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### Base unit

LRET-10K100M-1: E-field Generator, 10 kHz ~ 100 MHz, 3000 W, 7/16 female

### Options

LRET-10K100M-1\_P01: Basic bracket compatible with LRET-10K100M-1

LRET-10K100M-1\_P02: Polarization rotation bracket compatible with LRET-10K100M-1