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UWB HPEM Simulator (HPEM-UTS-060KV)

- UWB HPEM Simulator is a device that generates high-power electromagnetic waves that meet the requirements of IEC61000-4-36 hyperband testing.
- The shape of the radiated electromagnetic wave is bi-polar pulse with a maximum E-field strength of more than 6kV/m@10m(far voltage ≥ 60kV).
- The pattern of the radiated electromagnetic wave has the characteristics of the directional radiation pattern and it's 90% energy band is approximately 200MHz to 2GHz.
- The characteristics of E-field waveform may vary depending on the measurement distance or the measurement environment.
- It's can be used to the testing of radiated immunity of electronic devices and systems against IEMI(intentional electromagnetic interference) or HPEM(high-power electromagnetic).

- Specifications

Parameter	Value
Model Name	HPEM-UTS-060KV
Standard	IEC61000-4-36 Hyperband Test
Peak E-field Strength	≥6kV/m@10m
E-field Band Width(90% Energy Band Width)	200MHz~2GHz
Pulse Width(10%~10%)	≤1.5ns
Burst Duration	1~10sec
PRF(Pulse Repetition Frequency)	1~10Hz
Waveform	Bi-polar Pulse
Insulation	Transformer Oil, N2 gas
Power Rating	Battery
Storage/Working Temperature	5°C~50°C / 15°C~45°C
Dimensions(L×W×H)	68cm × 50cm × 165cm
Weight	~35kg

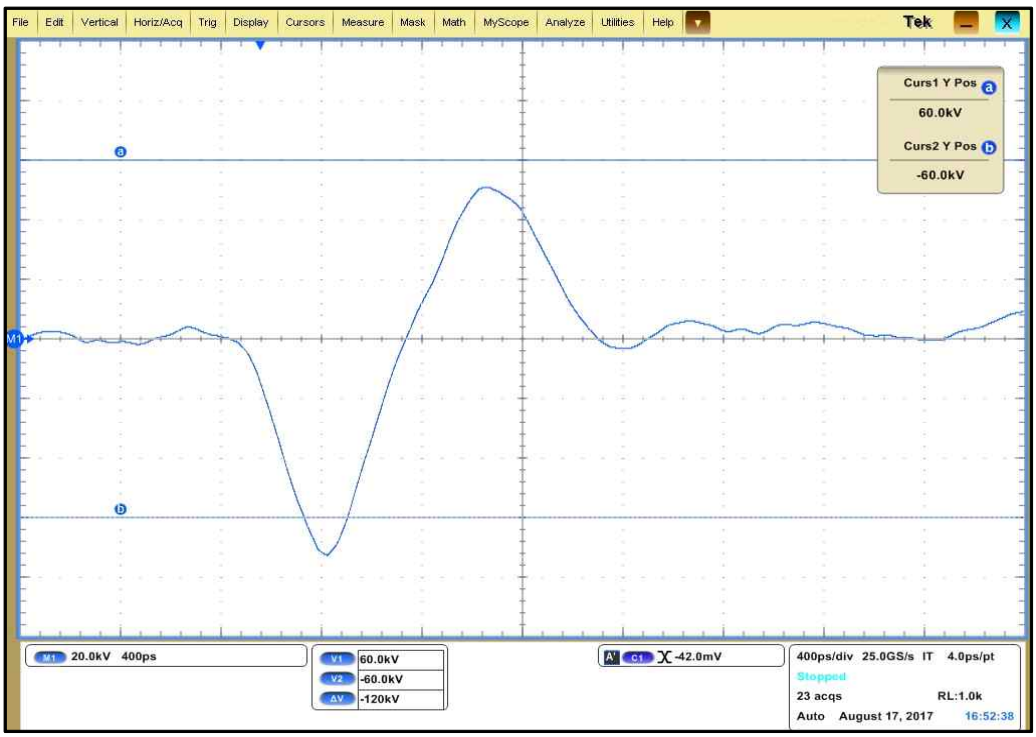
■ Configurations

Main Body

Back View
(Power & Controller Port)

Side View
(Gas Control Part)

■ Measurement Waveform (1shot)



■ Measurement Waveform (50shot)