

Radio Frequency Power Capacity Tester

RF Power Capacity tester is designed to measure Radio Frequency power capacity of passive components under band 0.7GHz - 2.6GHz, such as Cavity Spatial filter, duplexer, combiner, antenna, load, isolator, and jumper. The tester case is also available to enable users to perform testing under extreme temperature and low air pressure.



Product Features

- All bands of China Mobile are covered in PIM testing
- Programmable wide band frequency synthesizer and Internal testing control system are embedded in the tester
- 3000W pulse wave power output
- 600W continuous wave power output
- Built-in test controlling system
- Built-in programmable broadband frequency synthesizer
- Both reversed PIM and transmitted PIM testing are available
- Multiple reporting formats are available, such as Word, Excel and PDF.
- Testing protection under circumstances of open circuit or short circuit.
- Alert warning of inner overheat, overpressured, and overpower
- Reversed power protection is available
- Simple to operate, user-friendly bilingual (English/Chinese)

Technical Specifications

System

Measurement Method	Fixed Frequency + Fixed Power test
	Fixed Frequency + increasing power test
	Fixed Power + Sweep frequency points
Testing Terminal	Type N sweeping frequency points (Continuous wave power \leq 200W)
	Type DIN sweeping frequency points(Continuous wave power $>$ 200W)
User Terminal	2×USB
Display	8.4" LCD

RF Characteristics

Frequencies increment	200kHz/500kHz/1MHz/2MHz/5MHz
Frequency accuracy	\pm 3ppm
Maximum continuous wave power	200 to 500W (by rank)
Maximum pulse wave power	1000 to 3000W (by rank)
Power Stepping	0.5dB
Power accuracy	\pm 0.5dBm

Electrical

Mains Power	AC single phase 175-250V, 50Hz
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Mechanical

Dimensions/Weight	19 "Standard Rack / Approximately 200kg
Cooling	Air

Environmental

Operating Temperature Range	-5°C to +35 °C
Relative Humidity	5% to 90% RH no-condensing

Protection Grade

Indoor Use

MODELS

	Telecommunication Standard	TX Frequency	RX Frequency
700MHz	LTE	745-793MHz	697-720MHz
800MHz	CDMA/NADC/AMPS	869-894MHz	824-849MHz
900MHz	GSM	935-960MHz	890-915MHz
1800MHz	DCS 1800	1805-1880MHz	1710-1785MHz
1900MHz	PCS 1900/LTE	1930-1990MHz	1850-1910MHz
2100MHz	WCDMA/CDMA 2000	2110-2170MHz	1920-2060MHz
2400MHz	WLAN	2400-2483.5MHz	2305-2336.5MHz
2600MHz	WiMAX/UMTS2	2620-2695MHz	2545-2580MHz
3500MHz	WiMAX/Wireless IP	3510-3594MHz	3410-3484MHz

*Customized