Portable PIM Analyzers

PIM×××WP Portable PIM Analyzers which apply to GSM/CDMA/WCDMA/TD-LTE network have functions of PIM test ,spectrum test,SWR test and PIM Positioning test and remote controlling via ipad or mobile phone. Analyzers which improve the service performance of base stations help users evaluate the condition of jump cables,passive components,and antenna feed system in base station project construction,network maintenance and interference investigation.

The PIM analyzers which have features of waterproof,shockproof and dust proof are in small size and light weight,also they are equipped with large screen and high light LCD to make users use it conveniently outdoor.

PRODUCT FEATURES

- **Reliable and capable, designed with end user in mind**
- **Fully configurable frequencies, power and IM products**
- **Single band type and dual band type**
- **Waterproof,shockproof and dustproof**
- **Calibrated for output power and input PIM levels**
- **Simple to operate, user-friendly, bilingual (English/Chinese)**
- **Three measurement methods:dot frequency,frequency sweep and time domain**
- **Analyzed result can be exported in reporting format of Microsoft Word/Excel/PDF**
- **Data generated can be exported to ACCESS format**

TECHNICAL SPECIFICATION

SYSTEM

Measurement Method	Reverse (Reflected) PIM
Measurable order	IM3/IM5/IM7/IM9
Reflected Residual PIM	<-122dBm/-165dBc(Normal Level:<-125dBm)
Testing Port	1x RF output (7/16 DIN female)
	1x RF input (N female)(Option)
Display	single band type: 5.7" dual band type8.4"
Frequency Stepping	1MHz/2MHz/5MHz/10MHz
Frequency Accuracy	±3ppm
Power per tone (adjustable)	2x1to 25W (+30 to +44dBm in 1dB increments)
Power Accuracy	±0.5dBm
Reversed Power Protection	100W
Measurement Noise Floor	≤-138dBm
Receiver Measurement Range	-55dBm to -135dBm
Mains Power	AC 175-250v, 50Hz
AC Power	450W
Warming-up Time	3 Minutes
Dimensions/Weight	Single-band type:540x300x230mm (LxWxH) 13Kg
	Dual-band type:400x290x190mm (LxWxH) 20Kg
Cooling	Air
Operating Temperature Range	-10℃ to +35 ℃
Protection Class	IP20(Opening),IP63(Closing)
Relative Humidity	5% to 90% RH no-condensing

SPECTRUM ANALYSIS(OPTION 1)

Frequency Range	9KHz to 3.6GHz
Aging Rate	<1ppm per year
Spectrum Measurement Range	20dBm to -110dBm
Temperature Drift	<0.5ppm
Frequency Resolution	1Hz
RBW	1KHz - 3MHz, 1-3 stepping
VBW	30Hz - 1MHz, 1-3 stepping
Reference Level Range	+20dBm to -90dBm
Level Accuracy	Normal Level ≤±1.5dB at span
Scanning Rate	500ms to 2000 ms
Marking Mode	Peak Searching
Input Port	N type port
Input Impedance	50 Ohm
Input VSWR	<1.5 (700to 2700MHz)

Standing Wave Ratio(OPTION2)

Range of SWR	1.1~45

Isolation (OPTION3)

Range of SWR	0~100dB

PIM Location(OPTION4)

Distance of Location(Max)	0.35~200m
Accuracy of Location	≤0.5m
Resolution of Location	≤4m

Models

System	TX RANGE	RX RANGE
PIM900WP GSM	935-960MHz	890-915 MHz
PIM1800WP DCS1800	1805-1880 MHz	1710-1785 MHz
PIM2100WP WCDMA/CDMA2000/TD	2110-2170 MHz	1920-2060MHz
PIM2400WP WLAN	2400-2483.5MHz	2305-2336.5MHz
PIM2600WP WiMAX/UMTS2/LTE	2620-2695MHz	2545-2580MHz
700PL Frequency Band LTE-L	728-746MHz	698-716MHz
700PH Frequency Band LTE-H	728-757MHz	776-787MHz
800P Frequency Band CDMA	869-894MHz	824-849MHz
900P Frequency Band GSM	934-960MHz	889-915MHz
900PE Frequency Band EGSM	925-960MHz	880-915MHz
1800P Frequency Band DCS/LTE FDD1.8G	1805-1880MHz	1710-1785MHz
1900P Frequency Band DCS/LTE FDD1.8G	1930-1990MHz	1850-1910MHz
P-F Frequency Band TD-LTE(F Frequency Band)	1900-1915MHz	1880-1890MHz
P-A Frequency Band TD-LTE(A Frequency Band)	2017.5/2025MHz	2010MHz
P-E Frequency Band TD-LTE(E Frequency Band)	2345-2370MHz	2320-2330MHz
2100P Frequency Band WCDMA/LTE FDD2.1G	2110-2170MHz	1920-2060MHz
2400P Frequency Band WLAN	2400-2483.5MHz	2305-2336.5MHz
2600P Frequency Band LTE 2600	2620-2690MHz	2545-2580MHz

* Customized