

Innovative Spectrum & Signal Analyzer

IXA is the field portable solution for validating all aspects of 3G/4G/5G cell site deployment, maintenance, and management

Hand Held Spectrum Analyzer based on Cloud Server

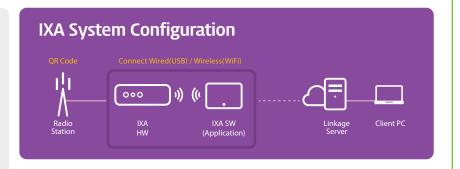
IXA is Hand-Held 5G NR enabled Spectrum analyzer based on Cloud Server, which supports autonomous measurement. This solution offers an opportunity to reduce OPEX and CAPEX across the whole network lifecycle, from initial deployment to maintenance and upgrades, by saving up front on equipment cost and staffing expense.

Use IXA to

- Autonomic measurement without human error
- Measurement of spurious waves in the field
- eNB or Repeater Maintenance Service
- Instant measurement and analysis, DB datafication

Benefits

- Easy of movement and measurement through wireless connection with tablet PC
- High efficiency by using autonomous measurement without human error
- · Cloud Client
- Economic and low operating cost
- Light Weight & Hand-Held
- Spectrum Analysis (5G NR, LTE, WCDMA)
- Signal Analysis (5G NR, LTE, WCDMA)
- Spurious wave Measurement
- Coverage Scan function
- Support google map
- Rechargeable battery operated
- Search eNB using QR Code
- Autonomous Measurement Function
- · Cloud Server
- Upgrade Management
- The Statistic Function
- Set Autonomous Scenario
- Autonomous Measurement Records
- Predicting spurious point on the server and sharing this point between members.
- User management
- Measured Data Analysis



Features

Pre-Configured SA		- Channel Power - OBW(Occupied Band-Width) - ACLR(Adjacent Channel Leakage Ratio) - SEM(Spectrum Emission Mask) - SE(Spurious Emission) - Harmonic Distortion	
	Duplex	FDD and TDD	
	Channel BW 1.4/3/5/10/15/20 MHz		/20 MHz
LTE	Measurement Item	Cell Info Power Info	PCI, Group ID, Sector IDRSTP/RSRP, RSRQ,OFDM Symbol Power
		Signal Quality	 Frequency Offset, EVM per Channel, Power per Channel, #RB per Channel, Time Alignment Error, Index of Antenna Path
	Duplex	FDD	
WCDMA	Measurement Item	Code Domain Modulation Accuracy	 Total Power/Total Active Power CPICH/PSCH/SSCH Power Max/Avg Active/In-active Power Rho, EVM (RMS/Peak) Peak CDE/Peak Active CDE
		r	 Frequency Offset/ IQ Origin Offset
5G NR	Duplex	TDD	
	Channel BW	5/10/15/20/25/30/40/50/60/70/80/90/100 MHz	
	Subcarrier spacing Measurement Item	15/30/60 kHz Cell Info	PCI, Group ID, Sector IDGSCNSSB-SCS
		Power Info	RSTP/RSRP, RSRQOFDM Symbol Power
		Signal Quality	Frequency OffsetTime OffsetEVM per ChannelModulation Order#RB per Channel

ACCUVET www.accuver.com



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Specification

Spec item	Specification		
Freq. Accuracy	±0.05ppm + Aging (1ppm/year)		
Freq. Range	300kHz ~ 7.5GHz		
Power Accuracy	1 MHz to 7.5 GHz : \leq ±1.3dB (±0.5dB typical) 100kHz RBW, +20°C to +30°C		
Ref. Level Range	-200 ~ + 100dBm		
Freq. Span(MIN~MAX)	0Hz (Zero Span), 10Hz ~ 7.5GHz		
RBW/VBW	RBW: 1Hz ~ 10MHz / VBW: 1Hz ~ 10MHz (1-3-10 sequence)		
Detect type	Peak & Negative, Peak, sample, Negative, RMS		
Marker	Number of Marker : 6 (Normal/Delta/fix/Off)		
Max Input level	Average continuous power : +20 dBm		
Input Attenuator(MIN~MAX)	0 ~ 60dB		
Harmonic distortion	10MHz ~ 700MHz : <-40dBc (Typ.), 700MHz ~ 7.5GHz : <-70dBc (Typ.)		
Third Order Intercept(TOI)	100MHz ~ 3GHz: +10dBm (Typ.), 3 GHz ~ 7.5 GHz: +12 dBm (Typ.)		
Preamp Gain(MAX)	15dB		
Preamp Reverse Filter	Built-in 34 dB LNA and Uplink Bandpass Filters		
10MHz Ref. Clock	Internal, External, GPS		
Time Gate Trigger Source	Internal, NR SSB, External 1PPS, GPS		
Trace	Number of Trace : 5 (Clear Write/Average/Min Hold/Max Hold)		
Wired/Wireless Communication Speed	40 /25Mbps		
Temperature Range (Operating)	Battery Discharging : -10 ~ +50°C, Battery Charging : 0 ~ +40°C		
Temperature Range (Storage)	-20°C ~ +80°C		



Regional offices _

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