

AVX-10K and 3515 Product Feature Comparison

Detailed comparison for Airborne Radio and Avionics Test Features.

The VIAVI AVX-10K is a full-featured portable test solution capable of replacing multiple assets to reduce deployment requirements for mission-critical testing. The discontinued VIAVI 3515 is a comprehensive Radio Test Set for testing multiple applications including Land Mobile Radios, where the AVX-10K focuses on airborne radio test requirements.

Function	Test Capability	On Aircraft Test	3515	AVX-10K-NAV-M and AVX-10K-MIL
Radio System	VHF Ground COMMS (SINCGARS, others)	Not Typical	•	
	HR, VHF, UHF Airborne COMMS	•	•	•
	UHF SATCOM/SLOS/BLOS	•	•	•
	EPLRS/SADL	•	•	•
	Public Safety/APCO-P25	•	•	• ¹
	Conventional AM/FM COMMS	Not Typical	•	
	Audio and Intercom	•	•	•
	Life Support	Not Typical	•	
Features	Duplex Test	•	•	•
	Receiver Test	•	•	•
	Transmitter Test	•	•	•
	Antenna VSWR and Cable Test	•	•	•
	Audio Function Generator	•	•	•
	Modulation Meter	•	•	•
	Headset Operation	•		•
	Over-the-Air Transmitter Test	•		•

Function	Test Capability	On Aircraft Test	3515	AVX-10K-NAV-M and AVX-10K-MIL
Meters	SINAD	Not Typical	•	
	Distortion	Not Typical	•	
	AF Counter	Not Typical	•	
	Audio Level	Not Typical	•	
Other Meters	DCS Decode	Not Typical	•	
	DTMF Decode	Not Typical	•	
	Function Generator	Not Typical	•	
	RF Error Meter	•	•	•
	RF Power Meter (RSSI Average Power)	•	•	•
Options	Spectrum Analyzer	Not Typical	•	
	Oscilloscope	Not Typical	•	
	Tracking Generator	Not Typical	•	
	Spectrum Monitor	Not Typical	•	
	P25	Not Typical	•	
	DMR	Not Typical	•	
	NXDN	Not Typical	•	
	dPMR	Not Typical	•	
	ARIBT98	Not Typical	•	
	PRM34	Not Typical	•	
Other	Guided Test	•	•	•
Airborne Radios	ARC-164	•	•	•
	ARC-186	•	•	•
	ARC-190	•	•	•
	ARC-201	•	•	•
	ARC-210	•	•	•
	ARC-222	•	•	•
	ARC-231	•	•	•

Function	Test Capability	On Aircraft Test	3515	AVX-10K-NAV-M and AVX-10K-MIL
Avionics Test	VOR	•		•
	ILS	•		•
	DME	•		• ²
	SELCAL	•		•
	ELT 121/243/406 Mhz	•		• ²
	XPDR Mode A/C/S	•		• ²
	XPDR Modes 1/2/3	•		• ²
	1090 Mhz ADS-B Out	•		• ²
	1090 Mhz ADS-B In	•		• ²
	TIS-B	•		•
	TCAS I/II	•		• ²
	978 UAT Out	•		• ²
	978 UAT In	•		• ²
	DTF/VSWR	•		•
	GPS Rx	•		•
	TACAN	•		• ²
	ETCAS	•		• ²
Guided Test	•		•	

Roadmap Estimated Availability

	Scripting for Guided Test	•		Consult Factory for Availability
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¹Without frequency hopping feature

²Not available on AVX-10K-NAV-M



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