

RF Explorer[®] Spectrum Analyzer comparison chart

Model	6G COMBO+	4G COMBO+	ISM COMBO+	WSUB1G+	ProAudio	6G COMBO	3G COMBO	ISM COMBO	WSUB1G	2.4G	
Device Type	Analyzer PLUS				Analyzer Standard						
Frequency Left Connector	50KHz - 960MHz				15MHz - 2.7GHz	4.85GHz - 6.1GHz	240MHz - 960MHz				2.35GHz - 2.55GHz
Frequency Right Connector	240MHz - 6.1GHz	240MHz - 4GHz Optional License: 15MHz - 5.1GHz	2.35GHz - 2.55GHz	Requires Expansion board	n/a	15MHz - 2.7GHz		2.35GHz - 2.55GHz	Requires Expansion board	Requires Expansion board	
Frequency Accuracy Left Connector	10ppm XTAL + 3ppm year aging 2ppm with yearly calibration					0.5ppm factory TCXO 1ppm / year	10ppm XTAL + 3ppm year aging 2ppm with yearly calibration			10ppm XTAL + 3ppm year aging	
Frequency Accuracy Right Connector	0.5ppm factory TCXO 1ppm / year		10ppm XTAL + 3ppm year aging	n/a		10ppm XTAL + 3ppm year aging 2ppm with yearly calibration		10ppm XTAL + 3ppm year aging	n/a		
RBW	2.6-600KHz Automatic									58-800KHz Automatic	
Max Frequency Sweep Span	Up to 960MHz in Standard resolution Full band in High Resolution connected to a Computer					Up to 600MHz			Up to 300Mhz	85MHz	
Amplitude Accuracy Left Connector	typical ±3dB										
Max Measurable Amplitude Left Connector	+10dBm with internal Attenuator enabled					-30dBm Full band Up to -15dBm in limited frequency range				-30dBm	
Max Measurable Amplitude Right Connector	+10dBm with internal Attenuator enabled	-30dBm	+10dBm with internal Attenuator enabled		-30dBm			n/a			
Internal Amplifier LNA Left Connector	nominal 25dB gain					n/a					
Internal Amplifier LNA Right Connector	nominal 25dB gain		12dB gain	n/a							
Internal Attenuator Left Connector	nominal 30dB					n/a					
Internal Attenuator Right Connector	nominal 30dB and 60dB					n/a					
Internal Signal Generator Frequency Range	n/a		2.35GHz - 2.55GHz	Requires Expansion board RFEM24G+	n/a			2.35GHz - 2.55GHz	Requires Expansion board RFEM24G	2.35GHz - 2.55GHz	
Internal Signal Generator Power Range	n/a		-70dBm to +11dBm	n/a			-30dBm to +1dBm	n/a		-30dBm to +1dBm	
WiFi Analyzer	2.4GHz Band 5GHz Band	2.4GHz Band		Requires Expansion board	2.4GHz Band	2.4GHz Band 5GHz Band	2.4GHz Band			Requires Expansion board	
DSP Spur Filter	Full Range					n/a					
Image Frequency Rejection	90dBc < 2.1GHz 30dBc > 2.1GHz	90dBc > 2.3GHz 90dBc < 240MHz 30dBc < 1GHz	90dBc < 240MHz 30dBc > 240MHz	90dBc < 2.1GHz 30dBc > 2.1GHz	90dBc < 2.1GHz 90dBc > 4.8GHz 30dBc other	90dBc < 2.1GHz 30dBc > 2.1GHz	90dBc > 2.3GHz 30dBc < 1GHz	30dBc		90dBc	
Internal Battery	1800 mAh				1000 mAh						
RF Connector Type	SMA 50 ohms				BNC 50 ohms			SMA 50 ohms			
LCD	High Contrast 128x64 pixels Backlight 5 bright levels										
Alarm Buzzer	Internal					n/a					
Expansion Board Options	Already Included			RFEM2.4G+ RFEM4G+ RFEM6G+	n/a			Already Included	RFEM2.4 RFEMWSUB3G	RFEMWSUB1G RFEMWSUB3G	
Metal Body	Zinc Alloy Stoving varnish Glossy white + Matt black				Anod. Aluminum Matt black Stoving Paint			Anodized Aluminum No Paint			
Included Antennas	2.4/5GHz dual 144/430Mhz 400-900MHz	2.4GHz whip 144/430Mhz 400-900MHz		144/430Mhz 400-900MHz	400-900MHz	2.4GHz whip 5.8GHz duck 144/430Mhz	2.4GHz whip 144/430Mhz		144/430Mhz	2.4GHz whip	
Computer Software	RF Explorer Touch multiplatform RF Explorer for Windows 3rd Party free and paid options										
API and Software libraries	Open source libraries Python multiplatform, .Net multiplatform, Arduino C USB API universal Rs232 communication protocol										
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