

# SAF

# RF ANALYSIS FROM THE PALM OF YOUR HAND

SPECTRUM ANALYZER SERIES  
10 MHz - 87 GHz

SIGNAL GENERATORS  
5.925 GHz - 40.0 GHz

- ✓ Spectrum Manager PC Software with Reporting, API Available
- ✓ Lightweight, Handheld, Swept-Tuned Spectrum Analyzer
- ✓ Compatible with Different Antenna Systems



## SPECTRUM COMPACT IS DESIGNED TO OPERATE OUTDOORS:

- ✓ Essential tool for interference detection, site survey and path alignment
- ✓ IP54 rated and tested
- ✓ Completely stand-alone tool with great battery life
- ✓ Resistive LCD touchscreen allows working with gloves on
- ✓ Instant On/Off functionality with simple, intuitive controls
- ✓ Market leading receiver sensitivity



Frequency range	0.01 – 3.0 GHz	2.0 – 8.0 GHz	5.925 – 20.0 GHz	16.0 – 26.5 GHz	24.0 – 43.0 GHz	56.0 – 71.0 GHz	70.0 - 87.0 GHz
Displayed Average Noise Level	<-125 dBm @ RBW=10 kHz**	<-118 dBm @ RBW=30 kHz	<-116 dBm @ RBW=30 kHz	<-106 dBm @ RBW=100 kHz	<-101 dBm @ RBW=100kHz	-90 dBm @ RBW=10 MHz***	-90 dBm @ RBW=10 MHz
Max input power	+25 dBm	+25 dBm	+25 dBm	+25 dBm	0 dBm	0 dBm	0 dBm
RBW	10, 30, 100, 300 kHz	30, 100, 300, 1000 kHz	30, 100, 300, 1000 kHz	100, 300, 1000 kHz	100, 300, 1000 kHz	10 MHz	10 MHz
VBW	1, 3, 10, 30 kHz	1, 3, 10, 30, 100 kHz	1, 3, 10, 30, 100 kHz	1; 3; 10; 30; 100 kHz	1, 3, 10, 30, 100 kHz	300 kHz	300 kHz
Min. Span	0.5 MHz	1.5 MHz	1.5 MHz	5 MHz	5 MHz	1 GHz	1 GHz
Max. Span	full bandwidth	full bandwidth	full bandwidth	full bandwidth	full bandwidth	full bandwidth	full bandwidth
Sweep speed	130 ms @ 15 MHz Span	72 ms @ 50 MHz Span	75 ms @ 50 MHz Span	70 ms @ 50 MHz Span	66 ms @ 100 MHz Span	0.5 s @ 1 GHz Span	0.5 s @ 1 GHz Span
Accuracy*	+/- 1 dB	+/- 1 dB	+/- 1 dB	+/- 1 dB	+/- 1 dB	+/- 1 dB	+/- 1 dB
Input	50 ohm SMA (f)	50 ohm SMA (f)	50 ohm 2.92 mm (f)	50 ohm 2.92 mm (f)	50 ohm 2.92 mm (f)	WR 15	WR 12
Interface	USB Type-C	USB Type-C	USB Type-C	USB Type-C	USB Type-C	micro USB 2.0 (1.1)	micro USB 2.0 (1.1)
Battery life	up to 4 h	up to 4 h	up to 4 h	up to 4 h	up to 3 h	up to 3 h	up to 3 h
Operating temperature	-15 °C to +55 °C 5 °F to 131 °F	-15 °C to +55 °C 5 °F to 131 °F	-15 °C to +55 °C 5 °F to 131 °F	-15 °C to +55 °C 5 °F to 131 °F	-15 °C to +55 °C 5 °F to 131 °F	-15 °C to +55 °C 5 °F to 131 °F	-15 °C to +55 °C 5 °F to 131 °F
Dimensions	135 x 83 x 34 mm 5.31 x 3.27 x 1.34 in	135 x 83 x 34 mm 5.31 x 3.27 x 1.34 in	135 x 83 x 34 mm 5.31 x 3.27 x 1.34 in	135 x 83 x 34 mm 5.31 x 3.27 x 1.34 in	135 x 83 x 34 mm 5.31 x 3.27 x 1.34 in	147 x 83 x 34 mm 5.79 x 3.27 x 1.34 in	147 x 83 x 34 mm 5.79 x 3.27 x 1.34 in
Weight	0.57 kg / 20.11 oz	0.57 kg / 20.11 oz	0.57 kg / 20.11 oz	0.57 kg / 20.11 oz	0.57 kg / 20.11 oz	0.57 kg / 20.11 oz	0.57 kg / 20.11 oz

\* Guaranteed at 21 °C / 70 °F CW signal \*\* Guaranteed Displayed Average Noise Level for 30-3000 MHz frequency range

\*\*\* Guaranteed Displayed Average Noise Level for 56.0 - 67.0 GHz frequency range

### Available accessories:



Attenuator kit, 60 dB



Waveguide adapters, 5.38 GHz - 40 GHz



40 GHz RF cable with thumbscrews



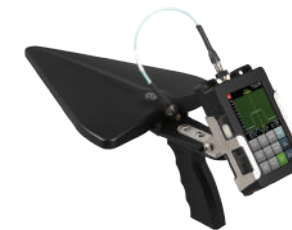
20 dBi mmWave antenna



0.17 m 38 dBi V-band and E-band parabolic antenna with mast mount



Horn antenna with handle



Log-periodic antenna with handle

## SPECTRUM ANALYZERS

Follow link or QR code and get instant access to the virtual demo:  
[SPECTRUMCOMPACT.COM/EMULATOR](https://SPECTRUMCOMPACT.COM/EMULATOR)





# SIGNAL GENERATORS

Frequency range	5.925 – 12.0 GHz	10.0 – 18.0 GHz	17.0 – 24.3 GHz	24.0 – 40.0 GHz
Output power range	-3 dBm to +13 dBm	-3 dBm to +11 dBm	-3 dBm to +10 dBm	-3 dBm to +5 dBm
Frequency accuracy	+/- 10 ppm	+/- 10 ppm	+/- 10 ppm	+/- 10 ppm
Adjustable frequency step	1 MHz	1 MHz	1 MHz	1 MHz
Adjustable power step	1 dBm	1 dBm	1 dBm	1 dBm
Signal form	Continuous wave	Continuous wave	Continuous wave	Continuous wave
Accuracy *	+/- 1 dBm	+/- 1 dBm	+/- 1 dBm	+/- 1 dBm
Output	50 ohm SMA (f)	50 ohm SMA (f)	50 ohm SMA (f)	50 ohm 2.92mm (f)
Interface	mini USB 2.0 (1.1)	mini USB 2.0 (1.1)	mini USB 2.0 (1.1)	mini USB 2.0 (1.1)
Battery life	up tp 4 h	up tp 4 h	up to 4 h	up to 3 h
Operating temperature	-15 °C to +55 °C 5 °F to 131 °F	-15 °C to +55 °C 5 °F to 131 °F	-15 °C to +55 °C 5 °F to 131 °F	-15 °C to +55 °C 5 °F to 131 °F
Dimensions	128 x 81 x 24 mm 5.04 x 3.2 x 0.94 in	128 x 81 x 24 mm 5.04 x 3.2 x 0.94 in	128 x 81 x 24 mm 5.04 x 3.2 x 0.94 in	130 x 81 x 28 mm 5.11 x 3.2 x 1.1 in
Weight	0.3 kg / 10.6 oz	0.3 kg / 10.6 oz	0.3 kg / 10.6 oz	0.4 kg / 14.11 oz



\* Guaranteed throughout all the temperature range



Antenna kit in a ruggedized transport case



0.17 m 38 dBi E/V-band parabolic antenna with tripod



Spectrum Compact kit with ruggedized WG to SMA adapters, RF cable, attenuators



[SPECTRUMCOMPACT.COM](http://SPECTRUMCOMPACT.COM)

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