



## Measurements

- Channel Power (measures the total power in a specified bandwidth)
- Adjacent channel power
- Signal bandwidth
- Center frequency
- Interference detection
- Mask

## Setup Parameters

- Frequency: Center/Start/Stop
- Trace mode: Normal, Max hold, Cumulative, # of Averages
- Span: Max Span, Min Span, Selected Span

## Save

- Proprietary format
- Saves actual data
- Continuous sweep record

## Sweep Functions

- Sweep: Continuous, Manual Trigger



# SPECTRUM COMPACT 56-71 GHz

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### Trace Functions

- Trace operations: Normal, Max hold, # of Averages, Cumulative

### Marker Functions

- Marker: Peak search, set marker to center

### Settings

- Detector MIN, AVG, MAX
- Signal ID

### Remote control

- Spectrum Manager PC software
- API commands

<b>Frequency</b>		
▪	<b>Frequency Range</b>	56 000 – 71 000 MHz
▪	<b>Frequency Resolution</b>	10 MHz
▪	<b>Frequency Reference</b>	Aging ±1.0 ppm/1 year Accuracy: ±2.5 ppm (25°C ±25°C) + aging
▪	<b>Frequency span</b>	1000 MHz to full
<b>Bandwidth</b> (Performance Sweep Mode)		
▪	<b>RBW</b>	10 MHz
▪	<b>VBW</b>	300 kHz;
<b>Amplitude Ranges</b>		
▪	<b>Measurement Range</b>	DANL to -40 dBm
Amplitude Accuracy (single sine wave input, Performance Sweep Mode)		
20° C to 30° C Typical: ±1 dB		
<b>VSWR</b>		
56 000 – 67 000 MHz ≤ 2.0 typ.		
<b>SSB Phase Noise on RF input</b>		
	20°C to 30°C	
Carrier offset	100 kHz offset	≤ -80 dBc/Hz
<b>Maximum Input Level</b>		
DC voltage	0 V	
CW RF power	-40 dBm (0.0001 mW),	
Max. Damage level	0 dBm (1mW)	
<b>Displayed Average Noise Level (DANL)</b>		
AVG detector, trace average 16, 20°C to 30°C, input impedance = 50 Ω		
-90 dBm* @ RWB = 10 MHz		
* Guaranteed for Frequency Range 56 000 – 67 000 MHz		

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Product features may vary between different models and configurations. They are subject to change without prior notice.



# SPECTRUM COMPACT 56-71 GHz

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<b>Level Display</b>	
Trace detectors	AVG; MAX; MIN
Trace functions	Clear write, max hold, average, cumulative, min/max hold
<b>Frequency response</b>	
56 000 – 71 000MHz; amplitude accuracy $\pm 1$ dBm	
<b>RF Input Connector</b>	
Impedance	50 $\Omega$ (nom.)
Connector	Waveguide flange UG385/U
<b>Sweep</b>	
Sweep time	
MIN SPAN=1000 MHz	MIN SPAN = 500 ms
<b>Display</b>	
Type	TFT LCD resistive touchscreen
Resolution	480 x 272
Size	4.3 inch (Diagonal)
Active area	95 x 53.8 mm
<b>Mass memory</b>	
8 GB	
<b>Input voltage</b>	
USB micro: 5V DC 1.5A	
DC input: 5.9V DC 3A	
<b>Interface</b> USB micro	
<b>Battery life</b> up to 3h	
<b>Operating temperature</b> -15°C to +55°C / 5°F to 131°F	
<b>Dimensions</b> 147 x 83 x 34 mm / 5.79 x 3.27 x 1.34 inch	
<b>Weight</b> 0.57 kg / 20.11 oz	

For more detailed information about SAF products visit [www.saftehnika.com](http://www.saftehnika.com) or contact your SAF representative [info@saftehnika.com](mailto:info@saftehnika.com). Product features may vary between different models and configurations. They are subject to change without prior notice.

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