

Spectrum Compact 6-20 GHz v.2

JOSSAP52 datasheet



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, Min/Max Hold
- Span: Max Span, Min Span, Selected Span

Save

- Proprietary format
- Saves actual data

Sweep Functions

- Sweep: Continuous, Manual Trigger

Trace Functions

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

Marker Functions

- Marker: Peak search, set marker to center

Settings

- LNA ON/OFF
- ATT
- RBW, VBW
- Signal ID

SAF Spectrum Compact 6-20GHz datasheet

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

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J0SSAP52 datasheet



Frequency <ul style="list-style-type: none">▪ Frequency Range 5 925 – 20 000 MHz▪ Frequency Resolution 30 kHz▪ Frequency Reference Aging ± 1.0 ppm/1 year Accuracy: ± 2.5 ppm ($25^{\circ}\text{C} \pm 25^{\circ}\text{C}$) + aging▪ Frequency span 1.5 MHz to full		
Bandwidth (Performance Sweep Mode) <ul style="list-style-type: none">▪ RBW 30 kHz; 100 kHz; 300 kHz; 1MHz▪ VBW 1 kHz; 3 kHz; 10 kHz; 30 kHz; 100 kHz;		
Amplitude Ranges <ul style="list-style-type: none">▪ Measurement Range DANL to +20 dBm Amplitude Accuracy (single sine wave input, Performance Sweep Mode) 20° C to 30° C Typical: ± 1 dB		
VSWR 5.925 – 20 GHz < 2.0		
Input attenuator 30 dB with 5 dB step		
SSB Phase Noise		
Carrier offset	20°C to 30°C, Fc = 10 GHz 100 kHz offset	<-90 dBc/Hz
Maximum Input Level		
DC voltage	0 V	
CW RF power	Attenuation = 30 dB ; + 20 dBm (100 mW), LNA = OFF	
Max. Damage level	+ 27 dBm	
Displayed Average Noise Level (DANL) Attenuation = 0 dB, RBW = VBW = 30 kHz /RBW= 1 MHz, VBW = 1 kHz, AVG detector, trace average 16, 20°C to 30°C, input impedance = 50 Ω		
LNA ON	5.925 GHz to 20 GHz -110 dBm @ 30kHz; -100 dBm @ 1MHz RBW typ.	
LNA OFF	5.925 GHz to 20 GHz -90 dBm @ 30kHz; -75 dBm @ 1MHz RBW typ.	
Level Display		
Trace detectors	AVG; MAX; MIN	
Trace functions	Clear write, max hold, average, cumulative, min/max hold	
Frequency response 5.925 – 20 GHz; amplitude accuracy ± 1 dBm		
LNA ON/OFF		
Gain 5.925 – 20 GHz	+20 dB	
RF Input Connector		
Impedance	50 Ω (nom.)	
Connector	SMA F	

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Sweep	
Sweep time @ RBW=1MHz, MIN SPAN=50MHz	MIN SPAN <= 200 ms
Display	
Type	Touchscreen
Resolution	480 x 3 (RGB) x 272
Size	4.3 inch
Color arrangement	RGB-stripe
Mass memory	8 GB
Input voltage	5V DC 3A
Interface	USB Type-C
Battery life	up to 4h
Operating temperature	-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 inch
Weight	0.57 kg / 20.11 oz

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

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