

Spectrum Compact 16-26.5 GHz v.2

J0SSAP53 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

- ATT
 - RBW, VBW
 - Signal ID
-

SAF Spectrum Compact 16-26.5 GHz v.2 datasheet

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

Spectrum Compact 16-26.5 GHz v.2

JOSSAP53 datasheet



Frequency <ul style="list-style-type: none">▪ Frequency Range 16 000 – 26 500 MHz▪ Frequency Resolution 100 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 5 MHz to full		
Bandwidth (Performance Sweep Mode) <ul style="list-style-type: none">▪ RBW 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 0 dBm Amplitude Accuracy (single sine wave input, Performance Sweep Mode) 20°C to 30°C Typical: ± 1 dB		
VSWR 16 – 26.5 GHz < 1.9		
Input attenuator 0, 6, 10, 16, 20, 26, 30 dB		
SSB Phase Noise 20°C to 30°C , $F_c = 21$ GHz		
Carrier offset	100 kHz offset	< -80 dBc/Hz
Maximum Input Level DC voltage 0 V Max. Damage level + 25 dBm @ attenuator = 30 dB		
Displayed Average Noise Level (DANL) Attenuation = 0 dB, AVG detector, trace average 16, 20°C to 30°C , input impedance = $50\ \Omega$ LNA ON 16 GHz to 26.5 GHz < -105 dBm @ RBW=100kHz; -101 dBm @ RBW=1MHz		
Level Display Trace detectors AVG; MAX; MIN Trace functions Clear write, max hold, average, cumulative, min/max hold		
Frequency response 16 – 26.5 GHz; amplitude accuracy ± 1 dBm		
RF Input Connector		
	Impedance	50 Ω (nom.)
	Connector	2.92 mm F
Sweep Sweep time @ RBW=1MHz, MIN SPAN=50MHz Sweep time < 200 ms		
Display Type Touchscreen		

SAF Spectrum Compact 16-26.5 GHz v.2 datasheet

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

Spectrum Compact 16-26.5 GHz v.2

J0SSAP53 datasheet



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.

SAF Tehnika © 2021

SAF Spectrum Compact 16-26.5 GHz v.2 datasheet

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