Spectrum Compact 24-40/43 GHz v.2

JOSSAP74 / JOSSAP54 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, Fill, MinMax Hold
- Span: Full 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, MinMax Hold

Marker Functions

Marker: Peak search, set marker to center

Settings

RBW, VBW

SAF Spectrum Compact 24-40/43GHz v.2 datasheet Product features may vary between different models and configurations. They are subject to change without prior notice.

Spectrum Compact 24-40/43 GHz v.2

JOSSAP74 / JOSSAP54 datasheet



Frequency

- Frequency Range 24 000 40 000 / 43 000 MHz
- Frequency Resolution 100 kHz
- Frequency Reference Aging ±1.0 ppm/1 year

Accuracy: ±2.5 ppm (25°C ±25°C) + aging

Frequency span 10 MHz to full

Bandwidth (Performance Sweep Mode)

- **RBW** 100 kHz 300 kHz 1MHz
- VBW 1 KHz 3 kHz 10 kHz 30 kHz 100 kHz

Amplitude Ranges

■ Measurement Range DANL to -40 dBm

Amplitude Accuracy (single sine wave input, Performance Sweep Mode)

20° C to 30° C Typical: ±1 dB

VSWR 24 000 – 40 000 / 43 000 MHz < 1.9 (10 dB)

Maximum Input Level

DC voltage 0 V

CW RF power Attenuation = 0 dB; 0 dBm (1 mW)

Max. Damage level 0 dBm

Displayed Average Noise Level (DANL)

RBW = VBW = 100 kHz, AVG detector, trace average >/ 50, 20°C to 30°C,

input impendence = 50Ω

Level Display

Trace detectors AVG; MAX; MIN

Trace functions Clear write, max hold, average, cumulative,

minmax hold

Frequency response

24 000 – 40 000 / 43 000 MHz; amplitude accuracy ±1 dBm

RF Input Connector

Impedance 50Ω (nom.) Connector 2.92 mm

Sweep

Sweep time

@ RBW=VBW=100kHz, MIN SPAN=10MHz Sweep time = 200 ms

SAF Spectrum Compact 24-40/43GHz v.2 datasheet

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

Spectrum Compact 24-40/43 GHz v.2

JOSSAP74 / JOSSAP54 datasheet



Display		
Туре	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 3h		
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 © 2019