



# 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
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### 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
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### Sweep Functions

- Sweep: Continuous, Manual Trigger
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### Trace Functions

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

### Marker Functions

- Marker: Peak search, set marker to center
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### Settings

- RBW, VBW

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



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<b>Frequency</b>	
<ul style="list-style-type: none"> <li>▪ <b>Frequency Range</b> 24 000 – 40 000 / 43 000 MHz</li> <li>▪ <b>Frequency Resolution</b> 100 kHz</li> <li>▪ <b>Frequency Reference</b> Aging ±1.0 ppm/1 year Accuracy: ±2.5 ppm (25°C ±25°C) + aging</li> <li>▪ <b>Frequency span</b> 10 MHz to full</li> </ul>	
<b>Bandwidth</b> (Performance Sweep Mode)	
<ul style="list-style-type: none"> <li>▪ <b>RBW</b> 100 kHz 300 kHz 1MHz</li> <li>▪ <b>VBW</b> 1 KHz 3 kHz 10 kHz 30 kHz 100 kHz</li> </ul>	
<b>Amplitude Ranges</b>	
<ul style="list-style-type: none"> <li>▪ <b>Measurement Range</b> DANL to -40 dBm</li> </ul> <p>Amplitude Accuracy (single sine wave input, Performance Sweep Mode) 20° C to 30° C Typical: ±1 dB</p>	
<b>VSWR</b> 24 000 – 40 000 / 43 000 MHz < 1.9 (10 dB)	
<b>Maximum Input Level</b>	
DC voltage	0 V
CW RF power	Attenuation = 0 dB ; 0 dBm (1 mW)
Max. Damage level	0 dBm
<b>Displayed Average Noise Level (DANL)</b>	
<p>RBW = VBW = 100 kHz, AVG detector, trace average &gt;/ 50, 20°C to 30°C, input impedance = 50 Ω</p> <p>24 000 MHz to 32 000 MHz                    -105 dBm typ 32 000 MHz to 40 000 / 43 000 MHz        -100 dBm typ</p>	
<b>Level Display</b>	
Trace detectors	AVG; MAX; MIN
Trace functions	Clear write, max hold, average, cumulative, minmax hold
<b>Frequency response</b>	
24 000 – 40 000 / 43 000 MHz; amplitude accuracy ±1 dBm	
<b>RF Input Connector</b>	
Impedance	50 Ω (nom.)
Connector	2.92mm
<b>Sweep</b>	
Sweep time	
@ RBW=VBW=100kHz, MIN SPAN=10MHz    Sweep time = 200 ms	

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<b>Display</b>	
Type	Touchscreen
Resolution	480 x 3 (RGB) x 272
Size	4.3 inch
Color arrangement	RGB-stripe
<b>Mass memory</b>	8 GB
<b>Input voltage</b>	5V DC 3A
<b>Interface</b>	USB Type-C
<b>Battery life</b>	up to 3h
<b>Operating temperature</b>	-15°C to +55°C / 5°F to 131°F
<b>Dimensions</b>	135 x 83 x 34 mm / 5.31 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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