**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.*
**Frequency**
- **Frequency Range** 5 925 – 20 000 MHz
- **Frequency Resolution** 30 kHz
- **Frequency Reference** Aging ±1.0 ppm/1 year
  Accuracy: ±2.5 ppm (25°C ±25°C) + aging
- **Frequency span** 1.5 MHz to full

**Bandwidth** (Performance Sweep Mode)
- **RBW** 30 kHz; 100 kHz; 300 kHz; 1MHz
- **VBW** 1 kHz; 3 kHz; 10 kHz; 30 kHz; 100 kHz;

**Amplitude Ranges**
- 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**
- 20°C to 30°C, Fc = 10 GHz
- Carrier offset 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 dB

**LNA ON/OFF**
- Gain 5.925 – 20 GHz +20 dB

**RF Input Connector**
- Impedance 50 Ω (nom.)
- Connector SMA F

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SAF Spectrum Compact 6-20GHz datasheet

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### Spectrum Compact 6-20 GHz v.2

**JOSSAP52 datasheet**

<table>
<thead>
<tr>
<th><strong>Sweep</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Sweep time</td>
<td></td>
</tr>
<tr>
<td>@ RBW=1MHz, MIN SPAN=50MHz</td>
<td>MIN SPAN &lt;= 200 ms</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Display</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Touchscreen</td>
</tr>
<tr>
<td>Resolution</td>
<td>480 x 3 (RGB) x 272</td>
</tr>
<tr>
<td>Size</td>
<td>4.3 inch</td>
</tr>
<tr>
<td>Color arrangement</td>
<td>RGB-stripe</td>
</tr>
</tbody>
</table>

| **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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