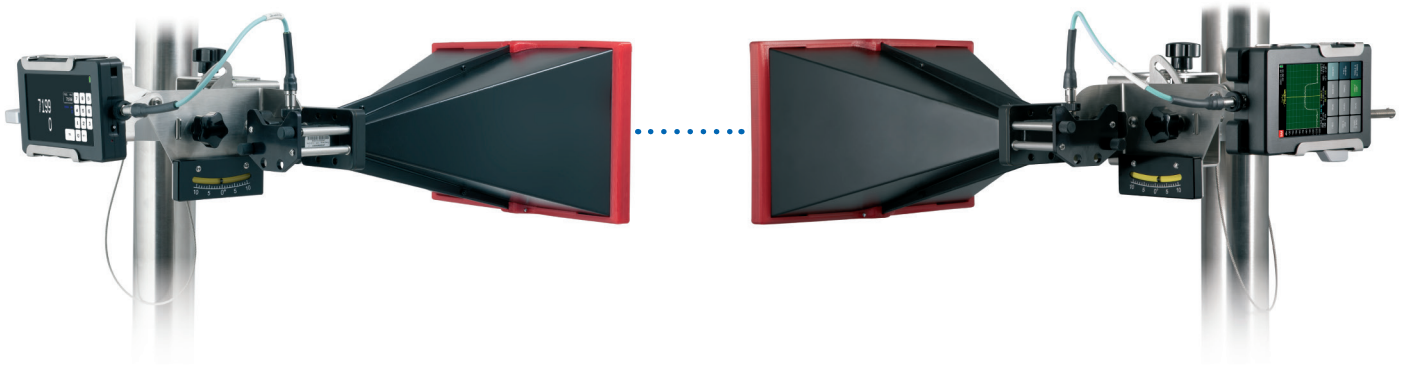


Line-of-Sight verification kit introduction



SAF LoS verification kit is a small size, handheld battery operated solution that uses radio frequencies to verify microwave point to point radio line of sight.



Learn more on how to use line of sight verification kit in this [solution guide](#).

Benefits:

- Verification for distances of up to 85 km / 52 miles, using small antennas
- Battery operated solution, no external power source required
- Easy to take up on the tower
- LoS verification before actual link installation
- Easy to use, quick measurements
- Reliable results applicable for PtP links operating in frequencies from 5 GHz up to 38 GHz

SG Compact signal generator side

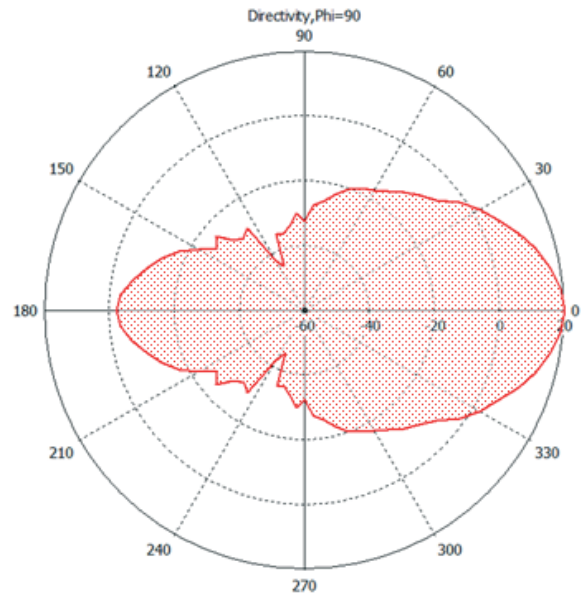
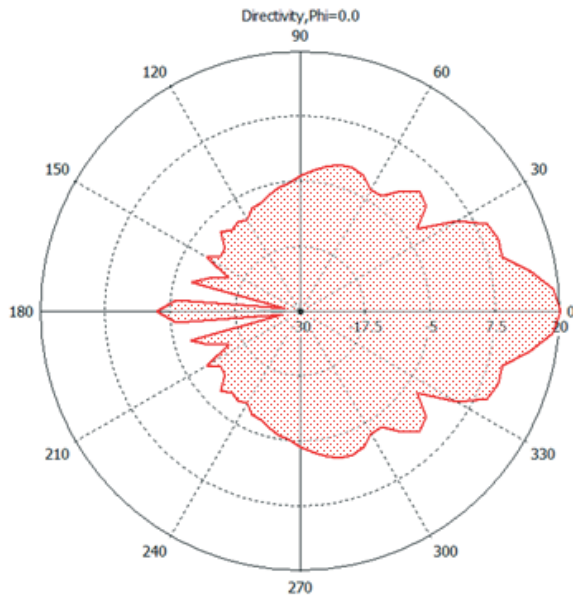
P/N	J0SSAG11
Frequency range	5.925 – 12.000 GHz
Output power range	-3...+13 dBm
Frequency accuracy	+/- 10 ppm
Phase noise	< -80 dBc / Hz @ 100 kHz
Adjustable frequency step	1 MHz
Adjustable power step	1 dBm
Signal form	Continuous wave
Sweep speed	0.5s @ 100 MHz Span
Accuracy	+/- 1 dB*
Output	50 ohm SMA (f)
Interface	Mini USB 2.0 (1.1)
Battery life	up to 4h
Operating temperature	-15 °C to +55 °C / 5 °F to 131 °F
Dimensions	128 x 81 x 24 mm 5.04 x 3.2 x 0.94 in
Weight	0.3 kg / 10.6 oz

* Guaranteed throughout all the temperature range

Spectrum Compact spectrum analyzer side

P/N	J0SSAP52
Frequency range	5.925 – 20.0 GHz
Max input power	+25 dBm
RBW	30, 100, 300, 1000 kHz
VBW	1, 3, 10, 30, 100 kHz
Min. Span	1.5 MHz
Max. Span	full bandwidth
Sweep speed	75 ms @ 50 MHz Span
Accuracy	+/- 1 dB*
Input	50 ohm SMA (f)
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 in
Weight	0.57 kg / 20.11 oz

* Guaranteed at 21 °C / 70 °F CW signal



Electrical and mechanical specifications for LoS antenna

P/N	J0AA06R001
Frequency range	5.925 – 8.20 GHz
Gain (typical)	21 dBi
Dimensions	250 x 235 x 155 mm / 9.84 x 9.25 x 6.10 inch
Net weight	1.25 kg / 2 lb
Flange (connector)	WR173 (UDR70)
Matching Spectrum Compact unit	J0SSAP52
Matching Signal Generator unit	J0SSAG11
Beamwidth (E-plane)	14.3°
Side lobe level (E-plane)	-9.5 dB
Beamwidth (H-plane)	17.6°
Side lobe level (H-plane)	-22.4 dB
Front-to-Back ratio	22.38

What you will get:

- Spectrum analyzer Spectrum Compact 6 – 20 GHz v.2
- Signal generator SG compact 6 – 12 GHz
- 2x 21 dBi small horn antenna with mounting bracket
- 2x waveguide adapter UDR70 to SMA, 5.38 – 8.2 GHz, WR137
- 2x 2.92 mm coaxial RF cable
- 2x lanyard
- 2x USB to mini USB cable
- 2x AC/DC USB charger
- 2x protective case
- RF filter with 9 GHz cut-off frequency



SpectrumCompact.com

For more detailed information about SAF Tehnika products visit www.saftehnika.com or contact your SAF Tehnika representative info@saftehnika.com
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