

Compact, lightweight and reliable conical horn antenna systems are essential part of the ultimate solution for performing microwave link measurements, performance checks, failure searches and interference detections using SAF Spectrum Compact. It is easy to climb the tower with the small-size and lightweight horn antenna that can be mounted on horizontal or vertical pole by hand without any tools.

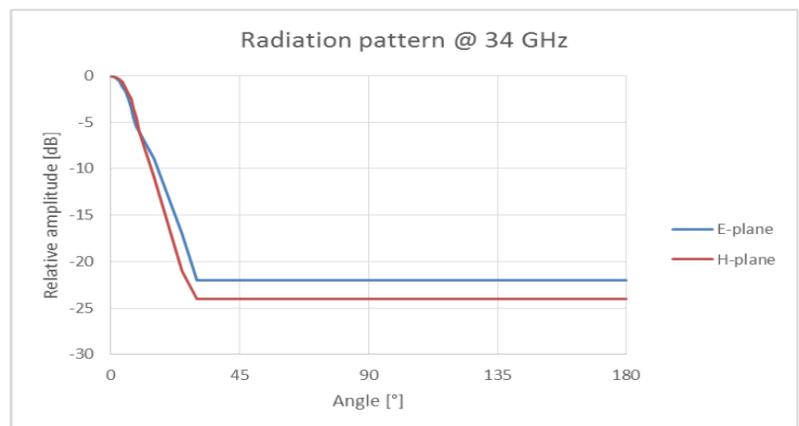
The antenna product family consists of four small-size, wideband (6-11 GHz, 11-17 GHz, 17-26 GHz, 26-40 GHz) conical horn antennas, a smart mounting system, and optional coaxial-to-waveguide adapters. Water and shock proof case, tripod and riflescope for direction finding are also available upon request.

Electrical and mechanical specifications

P/N	JOAA2640HG03
Operating frequency, GHz	26.500-40.500
Gain (typical), dBi	20.5-21.5
HPBW	
<i><u>E-plane:</u></i>	<i><u>H-plane:</u></i>
~14° @ 26.5 GHz	~17.5° @ 26.5 GHz
~13.5° @ 28 GHz	~16.5° @ 28 GHz
~13° @ 30 GHz	~15.5° @ 30 GHz
~12.5° @ 32 GHz	~15° @ 32 GHz
~12° @ 36 GHz	~13.5° @ 36 GHz
~11.5° @ 38 GHz	~13° @ 38 GHz
~11° @ 40 GHz	~12.5° @ 40 GHz
Dimensions, mm/inch	120 x 86 x 60/4.7 x 3.4 x 2.4
Net weight, kg/lb	0.4
Flange (connector)	2.92 mm (K)
Matching Spectrum Compact unit	JOSSAP14

Radiation patterns

Angle [°]	Radiation pattern @ 34 GHz	
	E-plane [dB]	H-plane [dB]
0	0	0
1	-0,1	-0,1
2	-0,3	-0,2
3	-0,6	-0,4
4	-1,2	-0,7
5	-1,7	-1,3
6	-2,5	-1,9
7	-3,5	-2,5
8	-4,5	-3,5
9	-5,5	-4,5
10	-6	-6
15	-9	-11
20	-13	-16
25	-17	-21
30	-22	-24
180	-22	-24



Optional equipment

Riflescope, tripod, Handle mounting kit for SC handheld antennas, water and shock proof case. Please contact sales@saftehnika.com for more information.



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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