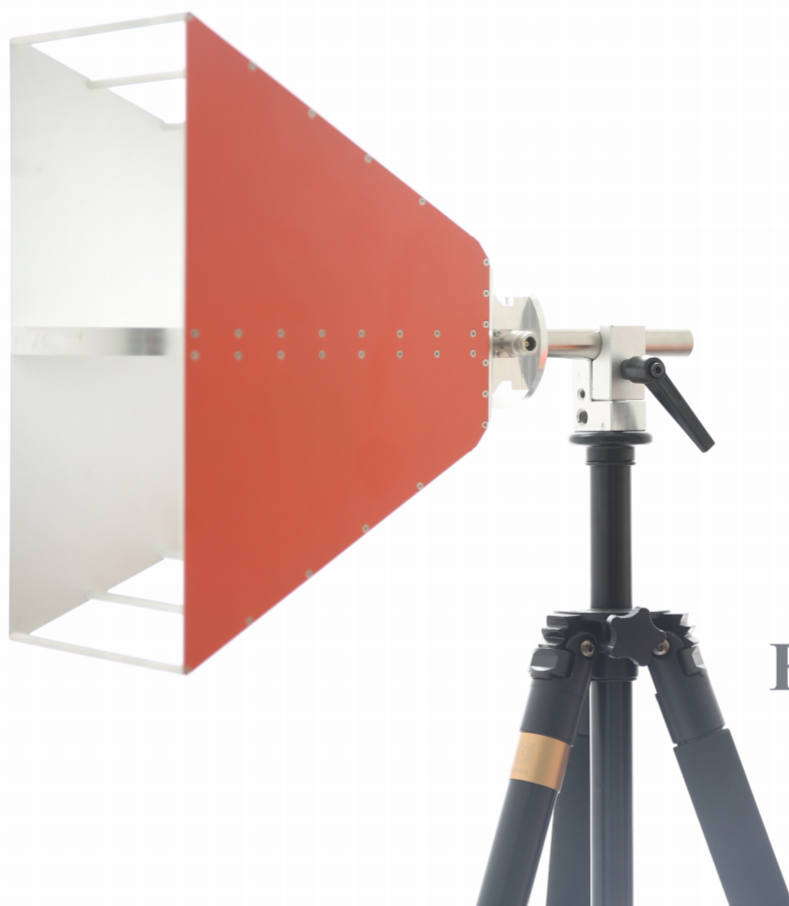




BROADBAND DUAL RIDGED HORN ANTENNA

200MHz to 50GHz

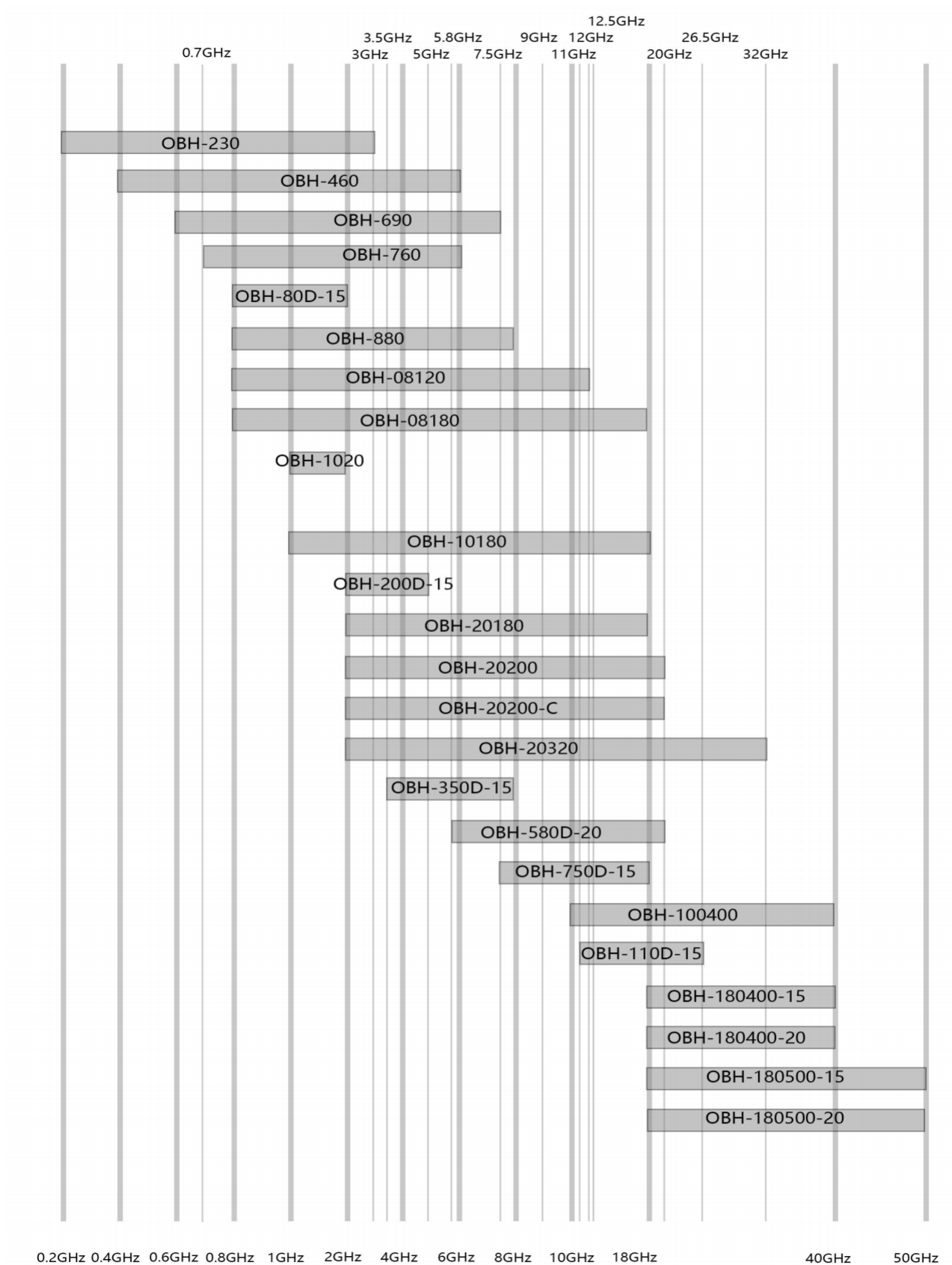
Our broadband horn antennas cover the frequency range from 200MHz to 330GHz, presenting low VSWR and high Gain with high power handling capability upto 3000W

Our Wideband horn antennas are designed for various applications including aerospace, Radar, EMC testing etc.

Compatible with different types of mounting bracket and easy installation

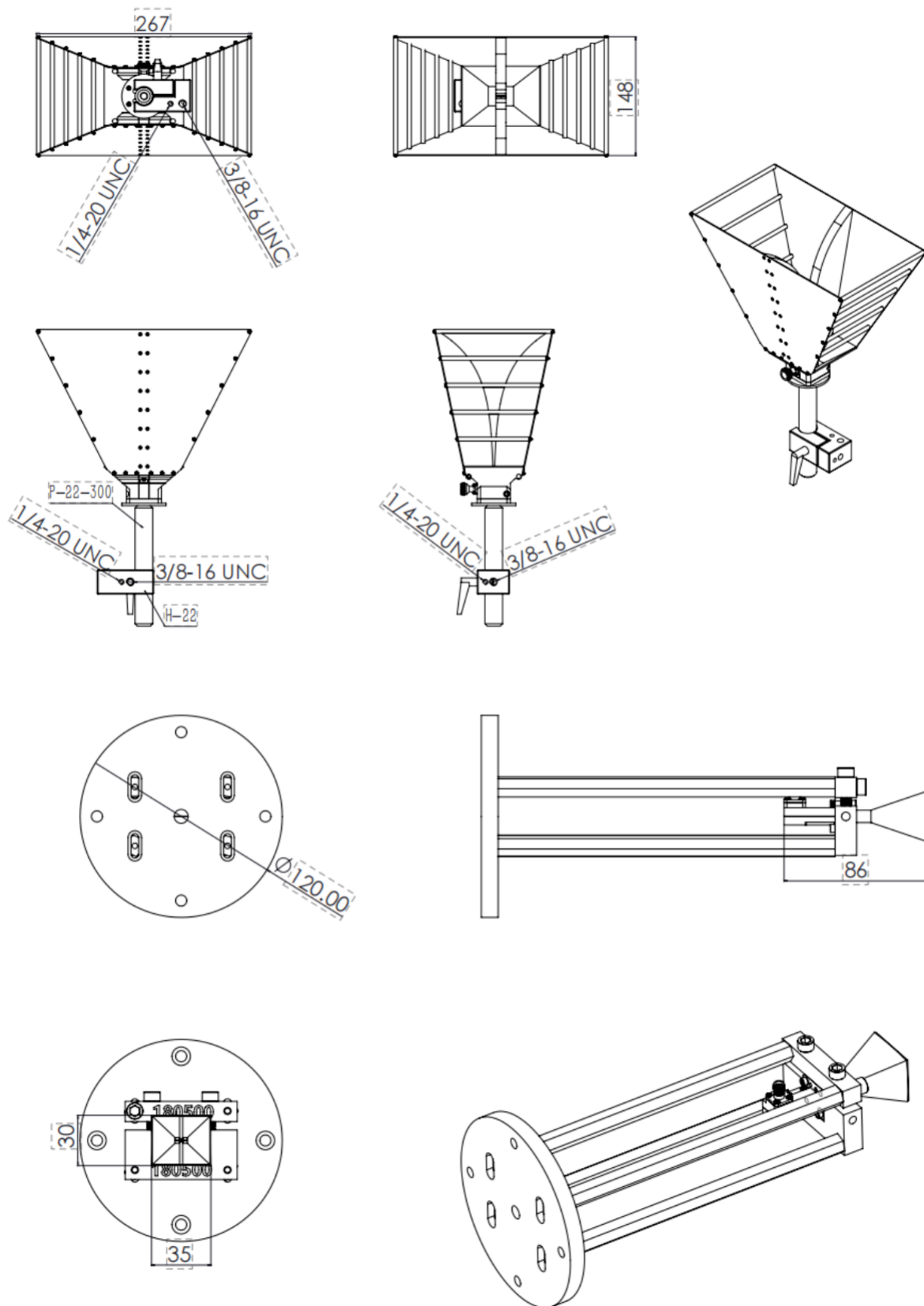
All antennas are calliberated according to CISPR16-1-6-2017 and ANSI C63.5-2017 standard

Horn Antenna as the most common type of aperture antenna and can be used directly in applications such as source antenna for radiation pattern measurements. They can also be used in array or point to point radio communication. The phase of a broadband horn antenna is important if it is to be used as a feed on a reflector or as a unit in array. Aside from the radiation pattern characteristics, the other major consideration is mismatch, usually is represented by return loss or VSWR. For dual ridged horn antennas, mismatch created by their flared-out waveguide geometry is always a matter of concern, at the same time, Coaxial with the dual ridged waveguide matching is hard to deal with. From the dual ridge waveguide to coaxial connector means the impedance should match the 50ohm system. The bandwidth over which wide band horn antenna is expected to operate has been increasing over the years, we present here some of our broadband horn antennas which is designed according to the basic's attributes and requirements over many years. All of our antenna are designed and manufactured precisely to give excellent performance.



SKU	Frequency (GHz)	Gain (dBi)	Connector	Max. Power Handling (W)	Max. Power Handling (W) without waveguide
OBH-230	0.2-3	6-15	N-Type/DIN	2000	
OBH-460	0.4-6	5-14.2	N-Type/DIN	1500	
OBH-460-HG	0.4-6	6-19	N-Type	1500	
OBH-690	0.6-9	5-14	N-Type	1500	
OBH-760	0.7-9	6-19	N-Type	1500	
OBH-80D-15	0.8-2	10-16	N-Type	1500	
OBH-880	0.8-8	4-11	N-Type	1500	
OBH-08120	0.8-12	6.4-15.8	N-Type	1500	
OBH-08180	0.8-18	5-14	N-Type	1500	
OBH-860-HG	0.8-6.2	11-20	N-Type/DIN	1500	
OBH-10180	1-18	7-14	N-Type	1000	
OBH-20180	2-18	10-25	N-Type	800	
OBH-20200	2-20	4-13	SMA	100	
OBH-20200-C	2-20	3.5-13	SMA	100	
OBH-20320	2-32	4-15	2.92mm	50	
OBH-580D-20	6-18	17-23	N-Type	500	1500
OBH-750D-15	7.5-18	15	SMA/N-Type	100	1500
OBH-100400	10-40	10.5	2.92mm	50	
OBH-110D-15	11-26.5	15	SMA/N-Type	100	500
OBH-180400-15	18-40	10	2.92mm	50	500
OBH-180400-20	18-40	20	2.92mm	50	500
OBH-180500-15	18-50	15	2.4mm	50	500
OBH-180500-20	18-50	20	2.4mm	50	500

Assembling outline



Typical Calibration Data

