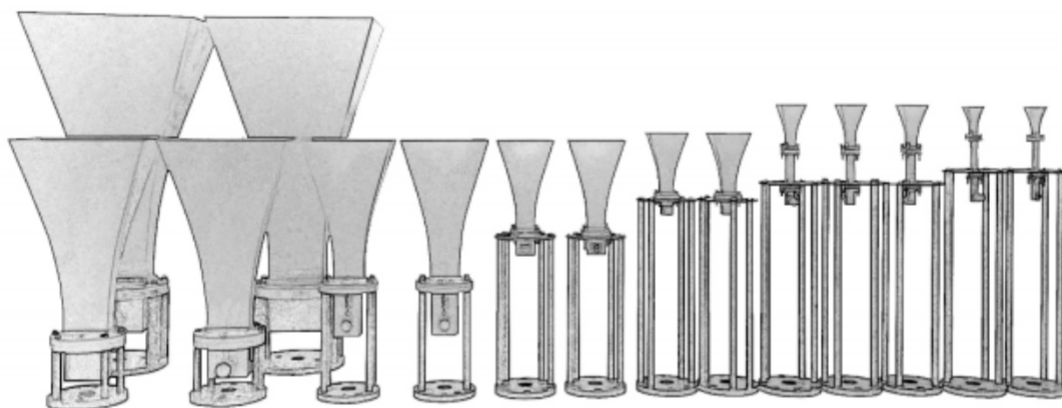


STANDARD GAIN HORN ANTENNA



750MHz to 330GHz

Our standard gain horn antennas comes in 10 , 15, 20, 23, 25dBi gain model

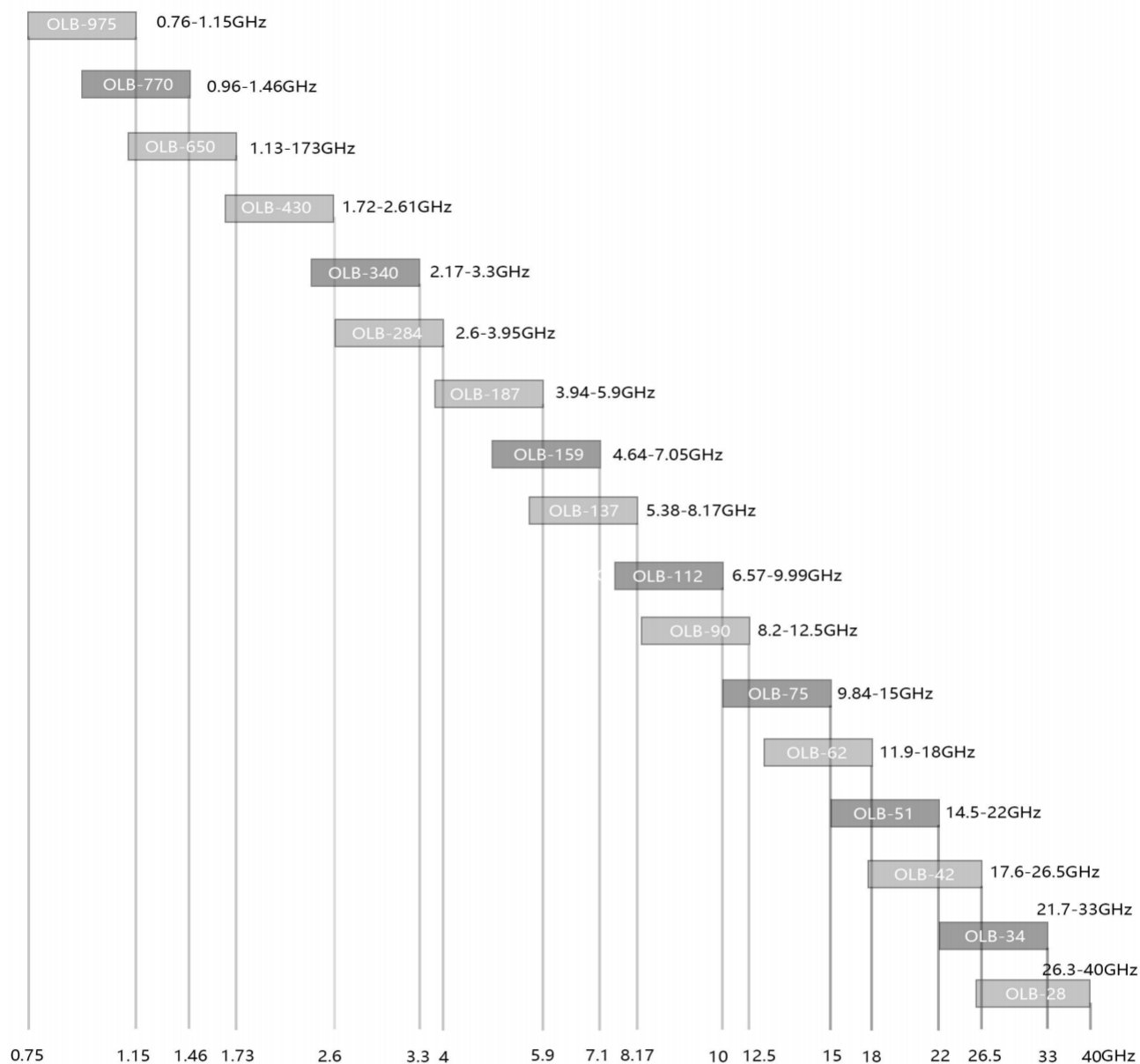
Frequency ranges from 750MHz to 330GHz

There are two version; standard and lite. Standard is normally used for EMC testing and measurements, Lite version is best for system setups, the design is structurally stable and light weight.

Compatible with different types of mounting bracket and easy installation

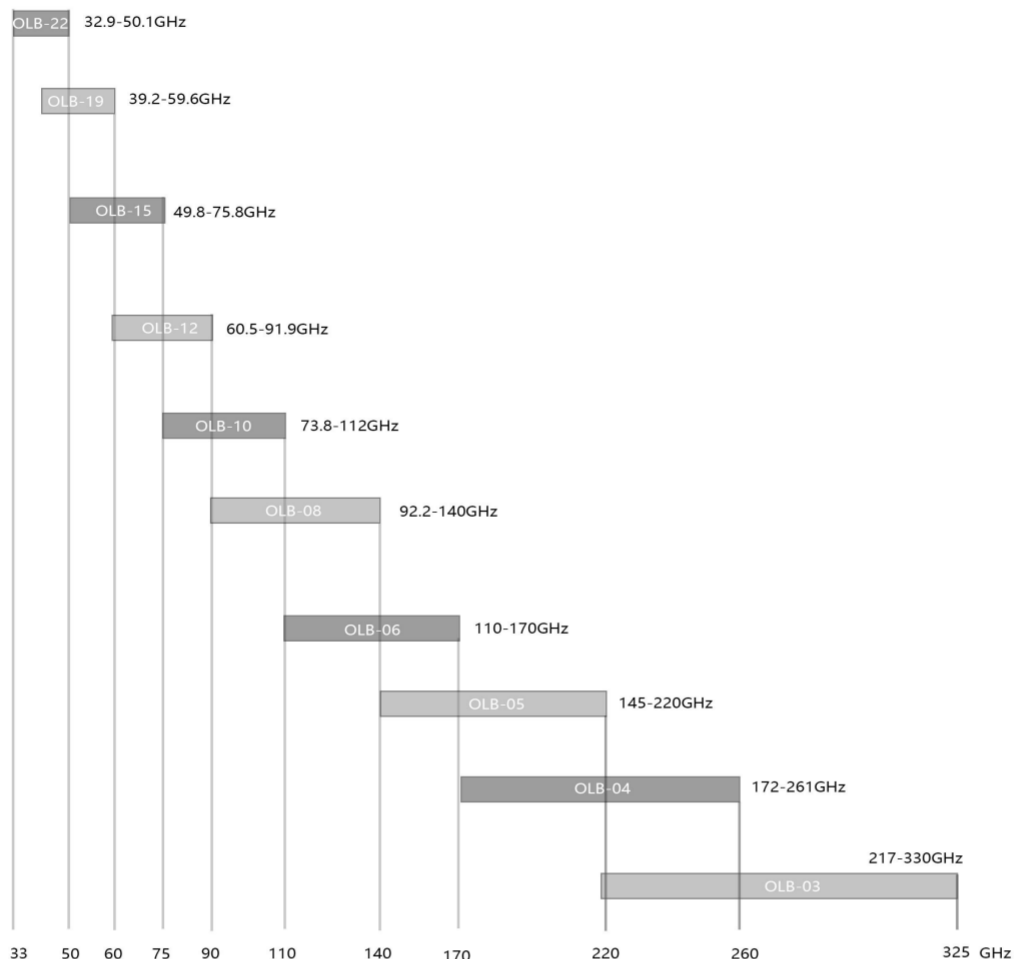
All antennas are calliberated according to CISPR16-1-6-2017 and ANSI C63.5-2017 standard

Standard gain horn antennas from RFecho are divided into three parts: the input part of the horn, or the excitation part, which is a coaxial structure or waveguide input; the wave mode excitation and transmission segment, which is generally a waveguide structure; and the radiation end of the horn. The excitation of the horn is typically a rectangular cross-section waveguide. When the horn antenna is used as a feed or as an array element in an array, it is important to know the phase center of the horn, as the antenna has a unique phasecenter . This center closely approximates the center of a spherical wave within a relatively wide solid angle range and is referred to as the equivalent phase center. The VSWR performance of the standard gain horn antenna mainly depends on the reflection of the horn's input segment and the transmission section. Generally, we need to adjust the VSWR of the horn antenna to around 1.3.



All of the these standard gain horn antennas are available in different gains such as 10,15, 20,23,25. For the specific gain search on our platform, please add the gain to the SKU such as OLB-75-15.

About the Lite version the SKU is OLB-75-15.



All of these standard gain horn antennas are available in different gains such as 10,15, 20,23,25. For the specific gain search on our platform, please add the gain to the SKU such as OLB-75-15.

About the Lite version the SKU is OLB-75-15.



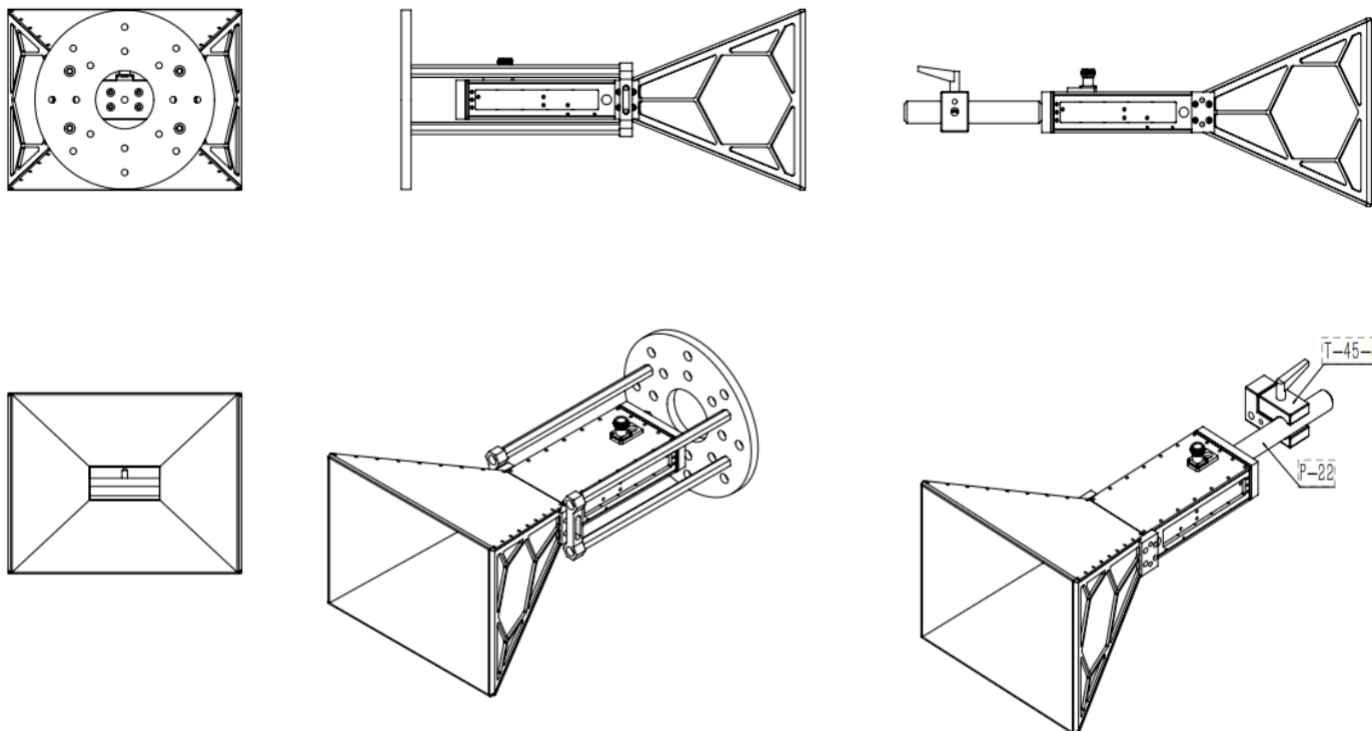
SKU	Frequency (GHz)	Wave Guide	Gain	Connector
OLB-975-10	0.76 - 1.15	WR-975/BJ-9	10	N
OLB-770-10	0.96 - 1.46	WR-770/BJ-12	10	N
OLB-770-15	0.96 - 1.46	WR-770/BJ-12	15	N
OLB-650-15	1.13 - 1.73	WR-650/BJ-14	15	N
OLB-430-15	1.72 - 2.61	WR-430/BJ-22	15	N
OLB-430-20	1.72 - 2.61	WR-430/BJ-22	20	N
OLB-340-10	2.17 - 3.3	WR-340/BJ-26	10	N
OLB-340-20	2.17 - 3.3	WR-340/BJ-26	20	N
OLB-284-15	2.6 - 3.95	WR-284/BJ-32	15	N
OLB-284-20	2.6 - 3.95	WR-284/BJ-32	20	N
OLB-187-10	3.94 - 5.99	WR-187/BJ-48	10	N
OLB-187-15	3.94 - 5.99	WR-187/BJ-48	15	N
OLB-187-20	3.94 - 5.99	WR-187/BJ-48	20	N
OLB-159-10	4.64 - 7.05	WR-159/BJ-58	10	N
OLB-59-15	4.64 - 7.05	WR-159/BJ-58	15	N
OLB-159-20	4.64 - 7.05	WR-159/BJ-58	20	N
OLB-137-10	5.38 - 8.17	WR-137/BJ-70	10	N
OLB-137-15	5.38 - 8.17	WR-137/BJ-70	15	N
OLB-137-20	5.38 - 8.17	WR-137/BJ-70	20	N
OLB-112-15	6.57 - 9.99	WR-112/BJ-84	15	N
OLB-90-15	8.2 - 12.5	WR-90/BJ-100	15	N/SMA
OLB-90-20	8.2 - 12.5	WR-90/BJ-100	20	N/SMA
OLB-75-10	9.84 - 15	WR-75/BJ-120	10	N/SMA
OLB-75-15	9.84 - 15	WR-75/BJ-120	15	N/SMA
OLB-75-20	9.84 - 15	WR-75/BJ-120	20	N/SMA
OLB-75-25	9.84 - 15	WR-75/BJ-120	25	N/SMA
OLB-62-15	11.9 - 18.0	WR-62/BJ-140	15	N/SMA
OLB-62-20	11.9 - 18.0	WR-62/BJ-140	20	N/SMA
OLB-51-15	14.5 - 22	WR-51/BJ-180	15	N/SMA
OLB-42-15	17.6 - 26.7	WR-42/BJ-220	15	SMA/Waveguide
OLB-42-20	17.6 - 26.7	WR-42/BJ-220	20	SMA/Waveguide
OLB-34-20	21.7 - 33	WR-34/BJ-260	20	3.5/K
OLB-34-25	21.7 - 33	WR-34/BJ-260	25	3.5/K
OLB-28-10	26.3 - 40.0	WR-28/BJ-320	10	2.92mm/Waveguide
OLB-28-17	26.3 - 40.0	WR-28/BJ-320	17	2.92mm/Waveguide
OLB-28-20	26.3 - 40.0	WR-28/BJ-320	20	2.92mm/Waveguide
OLB-28-25	26.3 - 40.0	WR-28/BJ-320	25	2.92mm/Waveguide



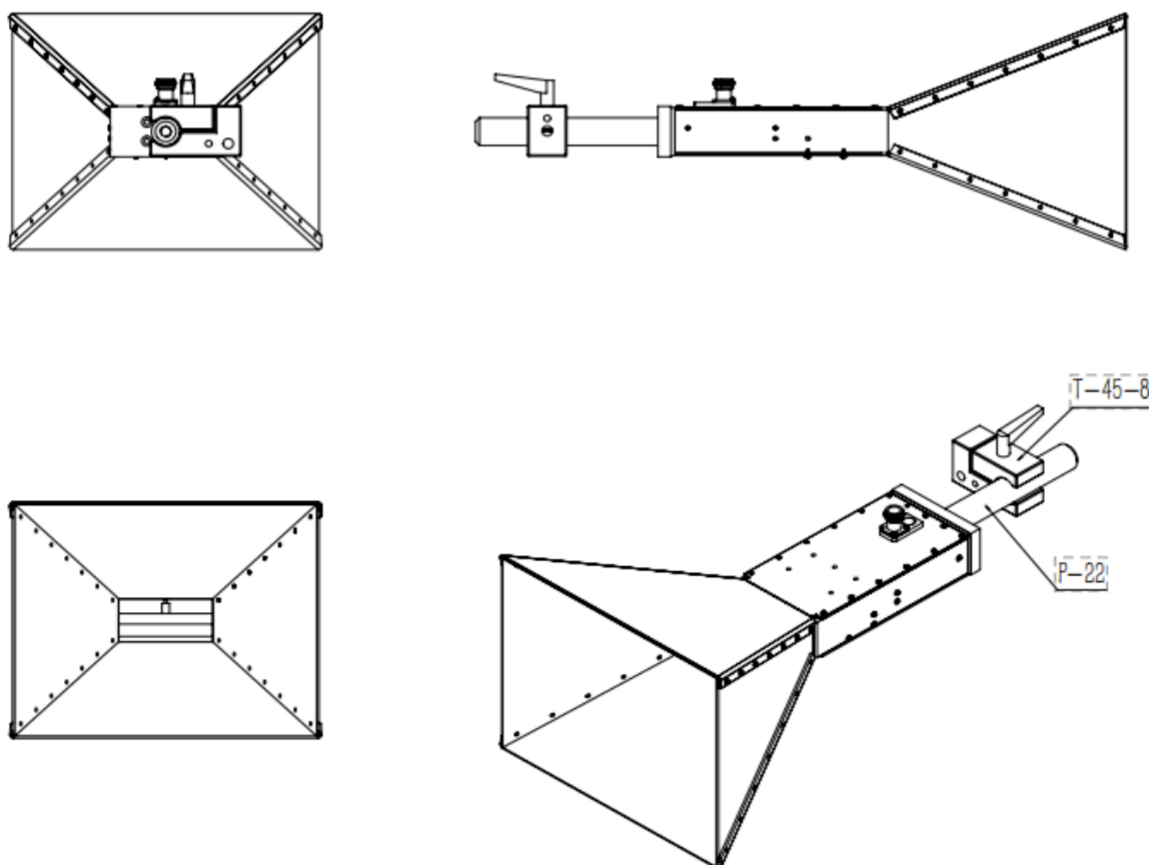
SKU	Frequency (GHz)	Wave Guide	Gain	Connector
OLB-22-20	33.0-50.0	WR-22	20	2.4mm
OLB-22-23	33.0-50.0	WR-22	23	2.4mm
OLB-22-25	33.0-50.0	WR-22	25	2.4mm
OLB-19-10	40.0-50.0	WR-19	10	1.85mm/Waveguide
OLB-19-15	40.0-60.0	WR-19	15	1.85mm/Waveguide
OLB-19-20	40.0-60.0	WR-19	20	1.85mm/Waveguide
OLB-19-23	40.0-50.0	WR-19	23	1.85mm/Waveguide
OLB-19-25	40.0-60.0	WR-19	25	1.85mm/Waveguide
OLB-15-17	50.0-75.0	WR-15	10	1.1mm
OLB-15-20	50.0-75.0	WR-15	15	1.1mm
OLB-15-23	50.0-75.0	WR-15	20	1.1mm
OLB-15-25	50.0-75.0	WR-15	25	1.1mm
OLB-12-10	60.0-90.0	WR-12	10	1.1mm
OLB-12-13	60.0-90.0	WR-12	10	1.1mm
OLB-12-15	60.0-90.0	WR-12	15	1.1mm
OLB-12-20	60.0-90.0	WR-12	20	1.1mm
OLB-12-23	60.0-90.0	WR-12	10	1.1mm
OLB-12-25	60.0-90.0	WR-12	25	1.1mm
OLB-10-15	75.0-110.0	WR-10	15	1.1mm
OLB-10-20	75.0-110.0	WR-10	20	1.1mm
OLB-10-23	75.0-110.0	WR-10	23	1.1mm
OLB-10-25	75.0-110.0	WR-10	25	1.1mm
OLB-08-20	90.0-140.0	WR-08	20	Waveguide
OLB-08-23	90.0-140.0	WR-08	23	Waveguide
OLB-08-25	90.0-140.0	WR-08	25	Waveguide
OLB-06-10	110.0-170.0	WR-06	10	Waveguide
OLB-06-20	110.0 -170.0	WR-06	20	Waveguide
OLB-06-23	110.0 -170.0	WR-06	15	Waveguide
OLB-06-25	110.0 -170.0	WR-06	25	Waveguide
OLB-05-20	140.0-220.0	WR-05	20	Waveguide
OLB-05-25	140.0-220.0	WR-05	25	Waveguide
OLB-04-20	170.0 -260.0	WR-03	20	Waveguide
OLB-03-20	220.0 -325.0	WR-03	20	Waveguide
OLB-03-25	220.0 -325.0	WR-03	25	Waveguide

Assembling outline

Standard Version



Lite Version



Typical Calibration Data

