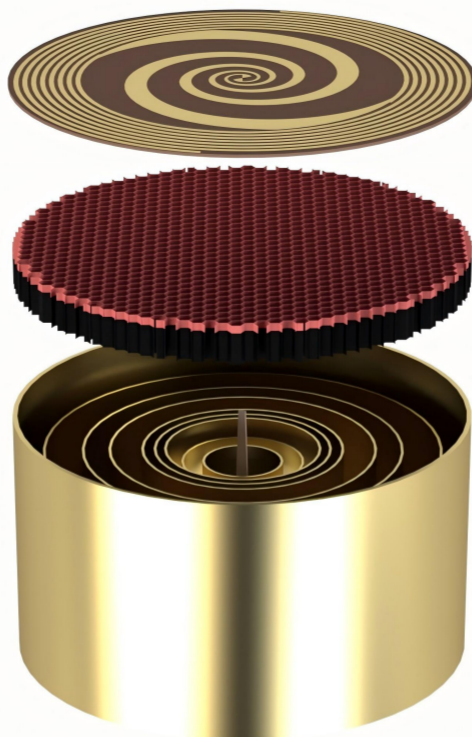




CAVITY BACKED SPIRAL ANTENNA

500MHz to 26.5GHz

RFecho cavity backed spiral antenna covers a Frequency range from 0.5GHz to 26.5GHz

Ideal for electronic warfare, direction finding, telemetry, surveillance, and flush-mounted airborne

Our Cavity backed spiral antennas are Light weight, unidirectional antennas based on Archimedean spiral with N-arm angular feeds generate circular polarization. Cavity backed with absorber rings for upward controlled radiation. The absorber cavity minimize back lobes while precise designing maintains gain uniformity across wide bandwidth and stable polarization. Broadband, unidirectional spiral antenna with high front to back ratio, low VSWR directional patterns and uniform axial ratio. offering moderate gain, strong impedance matching, and a stable, symmetrical radiation pattern; it can receive both linearly and circularly polarized signals, with linear gain roughly 3 dB less than circular gain, and features a low profil, planar aperture, specific beam width, compact build, and easy portability

SKU	Frequency (GHz)	Gain (dBi) Typ.	Connector	Polarization
OBS-520	0.5-2	3.6 - 6.1	N-Female	LHCP/RHCP
OBS-840	0.8-4	0.6 - 2.2	SMA-Female	LHCP/RHCP
OBS-1080	1-8	-3-4.5	SMA-Female	LHCP/RHCP
OBS-10180	1-18	-3.5 - 5.3	SMA-Female	LHCP/RHCP
OBS-2040	2-4	-3-1	SMA-Female	LHCP/RHCP
OBS-2060	2-6	-3.2 - 3.8	SMA-Female	LHCP/RHCP
OBS-20180	2-18	-3-1	SMA-Female	LHCP/RHCP
OBS-20180- Radome	2-18	-3 - 1	SMA-Female	LHCP/RHCP
OBS-4080	4-8	2.5 - 5.6	SMA-Female	LHCP/RHCP
OBS-60180	6-18	-2 - 3.7	SMA-Female	LHCP/RHCP
OBS-80180	8-18	2 - 4.5	SMA-Female	LHCP/RHCP
OBS-180265	18-26.5	-4	SMA-Female	LHCP/RHCP

All of these standard gain horn antennas are available in both polarization forms i.e. LHCP/RHCP.

Typical Pattern Data

