

4.6 m Ka-Band Radome Installation Loss Figure Down to 0.8 dB

A hard-won Ka-band loss figure down to 0.8 dB — from R&D, production and design working as one. China smart manufacturing for satellite ground stations and LEO-gateway-class programmes. Welcome to audit our factories in China.

Verified facts

Diameter

4.6 m spherical multi-panel radome

Band

Ka-band antenna protection

Loss figure

Ka-band loss figure **down to 0.8 dB** — hard-won by R&D + production + design

Install status

Shown during crane lift onto bolted base flange ring

Form

Segmented panel sphere — transportable, liftable, serviceable by panel

Attribution: Public facts from Radome Focus programme note (30 Oct 2026). No other numbers claimed on this sheet.

Buyer briefing

Why this matters now

- A Ka-band loss figure down to 0.8 dB is rare — it is the result of R&D, production and design working together, not a brochure slogan.
- This is China smart manufacturing: our own factory plus three leading radome manufacturing partners in China — not the old low-end factory image.
- Our aim is to qualify into LEO industry supplier systems for OneWeb-like ground-gateway and satcom programmes — we invite audits, we do not claim we are already certified.
- Panel construction supports factory build, road transport and a controlled site lift.

Where it fits

- Satellite ground stations and LEO-gateway-class Ka terminals
- Meteorology and research programmes that share Ka or neighbouring bands
- Buyers who want a clear loss figure before locking antenna + radome as a package
- Owners comparing a nearby 4.5 m rooftop case with a 4.6 m Ka ground-station size

What to ask next

- Confirm antenna diameter, Ka feed geometry and allowed loss budget
- Share wind, icing and access constraints for the pad or rooftop
- Decide whether you need factory assembly, onsite install, or both
- Book a China factory audit / site visit when you are ready to qualify suppliers

How Radome Focus supports

- 4.6 m Ka-band and neighbouring diameters for ground-station programmes
- Hard-won loss-figure targets from joint R&D + production + design
- Own factory plus three leading radome manufacturing partners in China
- Aiming to qualify into LEO industry supplier systems — audits welcome
- Quotation pack via WhatsApp or radomecn.com/contactus



Photo: White multi-panel sphere under crane lift; bolted base flange ring visible. No customer or site named.

About Radome Focus

Radome Focus designs and supplies radomes for weather radar, satellite communication and ground-station programmes. We engineer each radome in-house and produce at our own factory plus three leading radome manufacturing partners in China — China smart manufacturing, not the old low-end factory image. Our aim is to qualify into LEO industry supplier systems.

- Hard-won Ka-band loss figure down to 0.8 dB on this 4.6 m class
- R&D, production and design working as one team
- Site-matched diameter, panel layout and accessories
- Welcome manufacturers and buyers to China for factory audits

Meet us

Shanghai · Shenglin Mall, 4F — Sales & Design Center
Wuhu, Anhui · Shimao Building, Room 1401, Wanzhi District — Production / R&D / Manufacturing
Harbin · Songbei District (Zhigu Avenue area) — Production / R&D / Manufacturing

Welcome manufacturers and programme buyers to China for factory audits and site visits — Shanghai (sales & design), Anhui and Harbin (production / R&D / manufacturing).

radomecn.com/whatsapp
noah@radomecn.com
radomecn.com

Discuss a 4.6 m Ka-band radome for your ground station

Size match · RF performance · site install · weather / satcom programmes

[WhatsApp](#) · [Contact](#)

Source: Radome Focus programme note and site photo, 30 Oct 2026. Related: radomecn.com 4.5 m rooftop radome install. No customer names; no factory names; no unverified countries, headcount, patents or standards claimed on this sheet.