



TV and DAB Antenna Panels

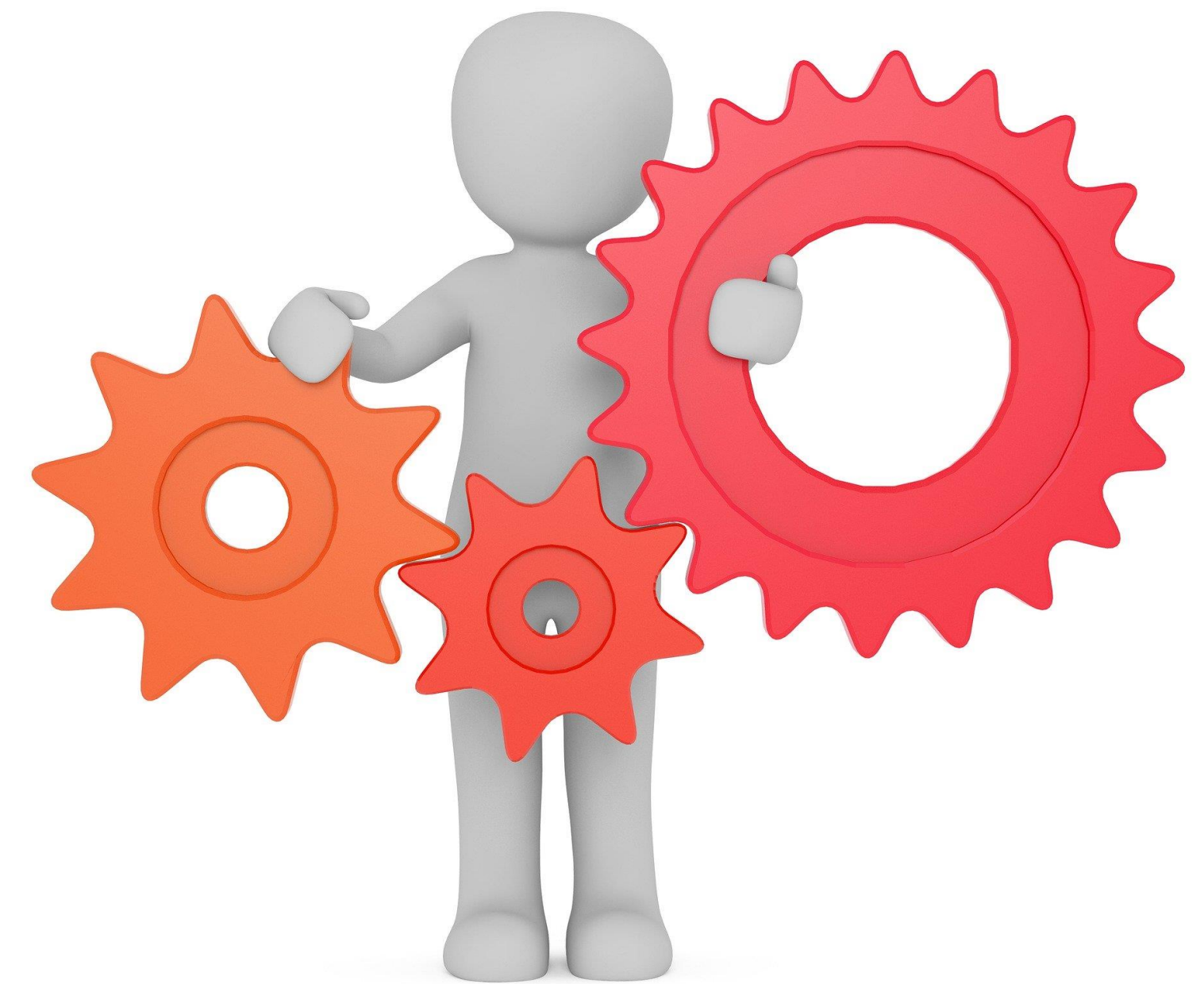
DB Elettronica supplies not only FM antennas but also antennas for transmissions in VHF and UHF bands.

All panels are realized to be used also in hard climatic conditions to grant always the best coverage for your transmission.

These antennas are ideal for directional and omnidirectional applications thanks to the possibility to stack them in multiple customized configurations.

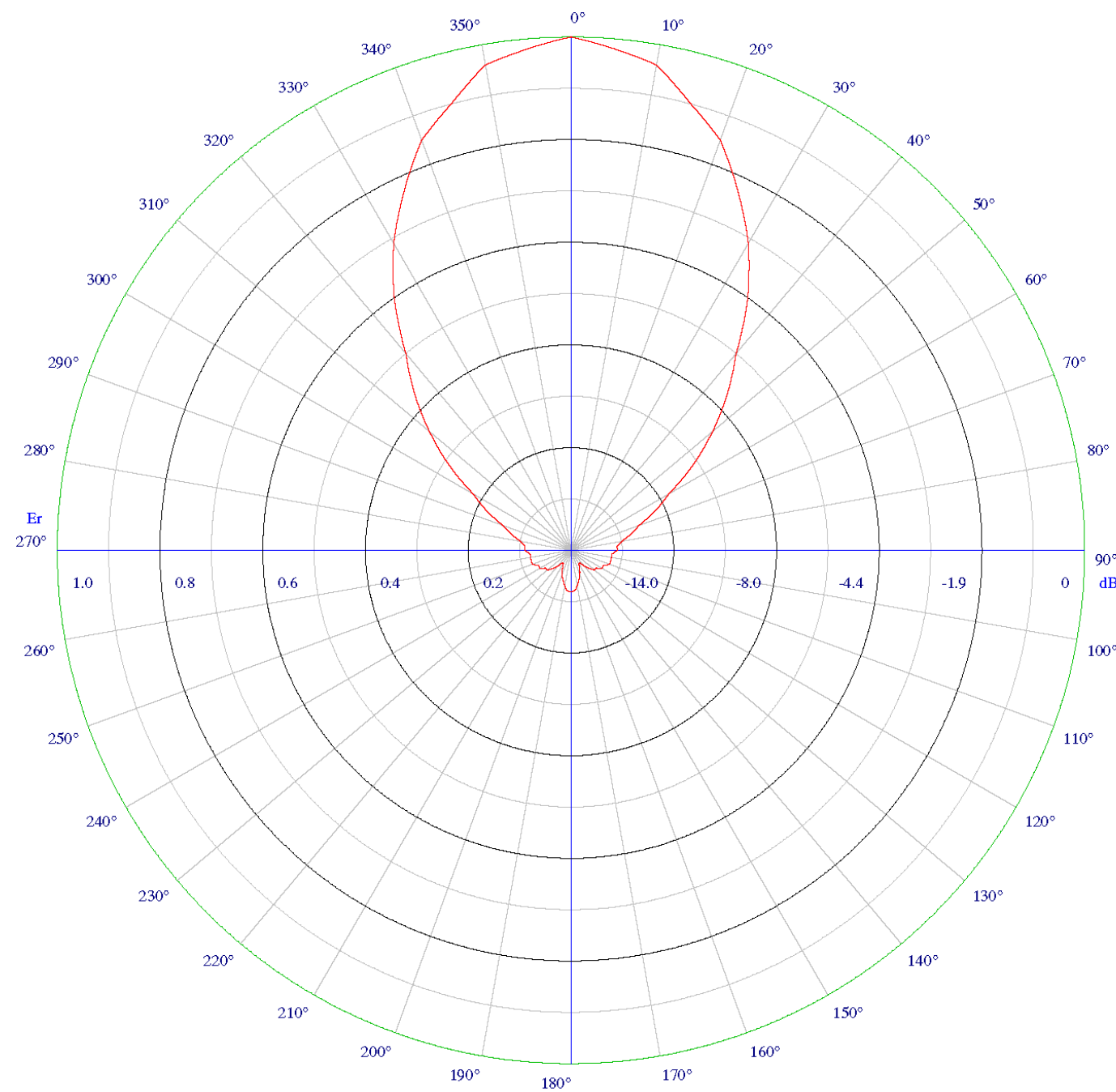
As well in DAB transmission, our antennas allow the best performances thanks to their durable and rugged construction.

Let's see the main characteristics of DB antennas for TV and DAB transmissions.

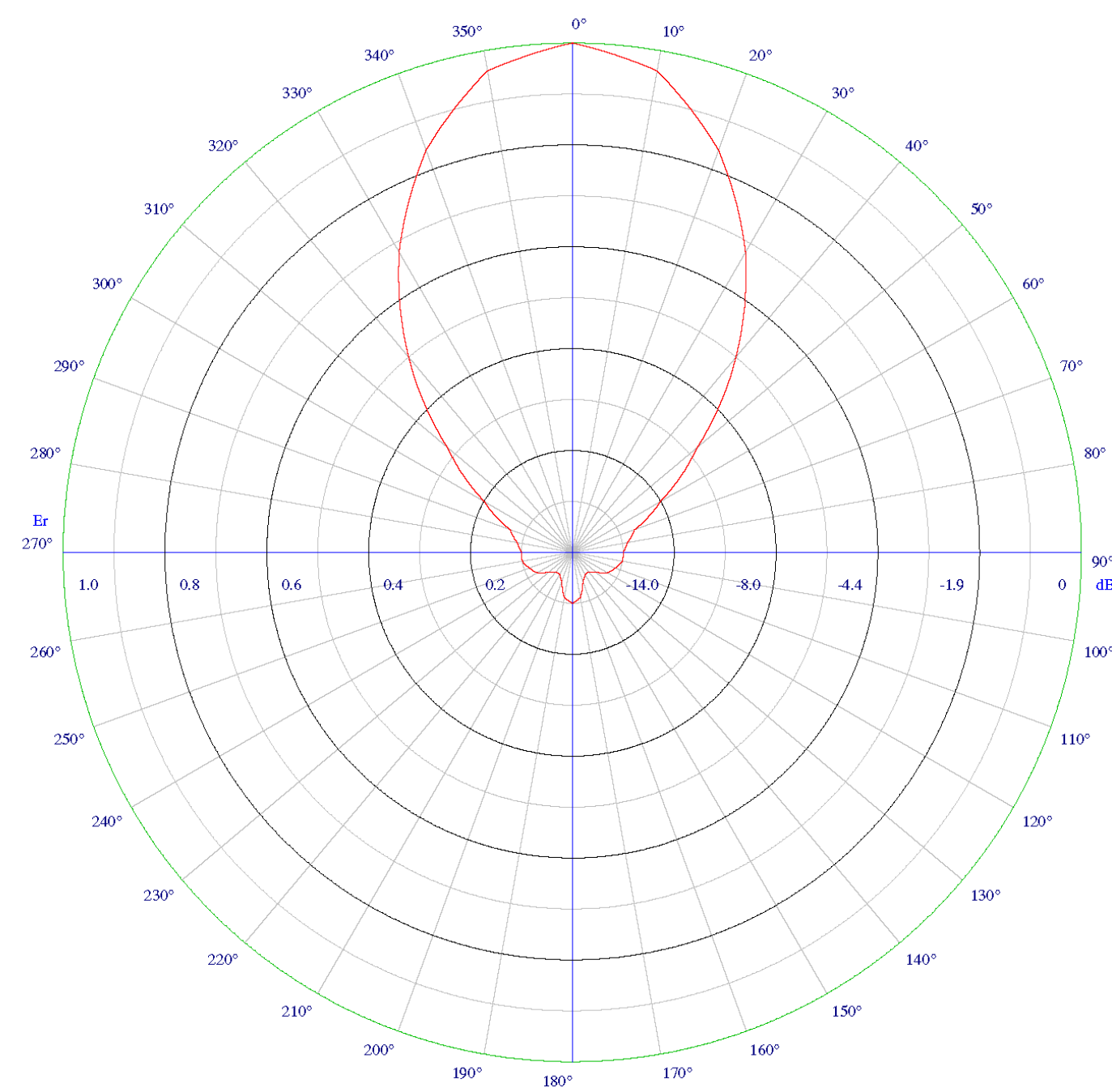


- ✓ The APO3 (Horizontal Polarization) and APV3 (Vertical Polarization) VHF panels are designed for High Band VHF (Band III). Each antenna is made with stainless steel dipole and hot dipped steel reflector, PTFE insulators and stainless-steel screws.
- ✓ The APO3/APV3 series ensures total ATV and DTV compatibility.
- ✓ Stacking more panels, it's possible to obtain customized patterns, increase the gain and the power handling capacity according to user requirements. Customized pattern, electrical beam tilt and null fill are available upon request.
- ✓ Available with following connectors: DIN 7/16 (max 1500Wps), EIA 7/8 (max 3000Wps).
- ✓ Gain: 7.5 dBd.





Horizontal pattern

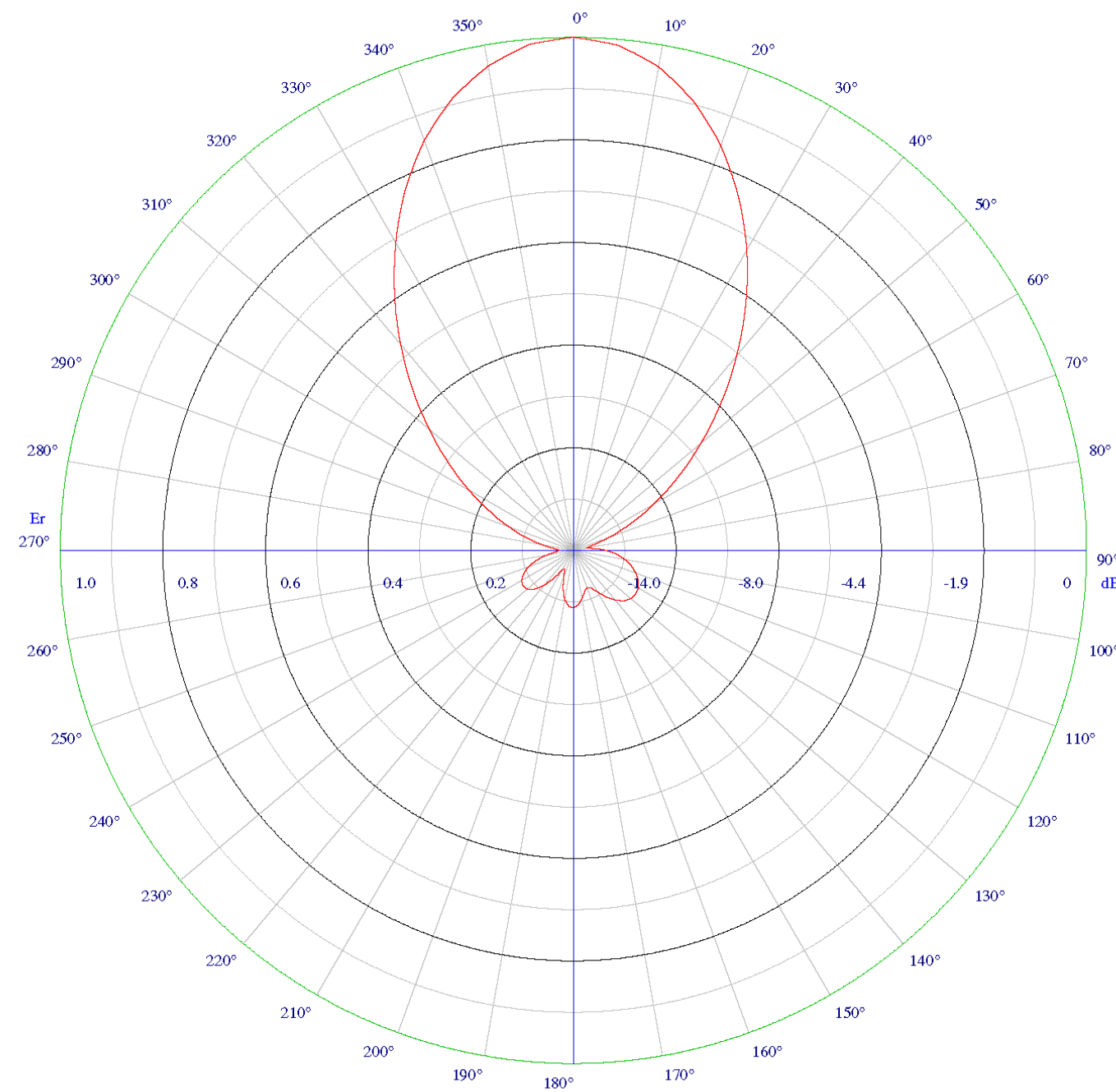


Vertical pattern

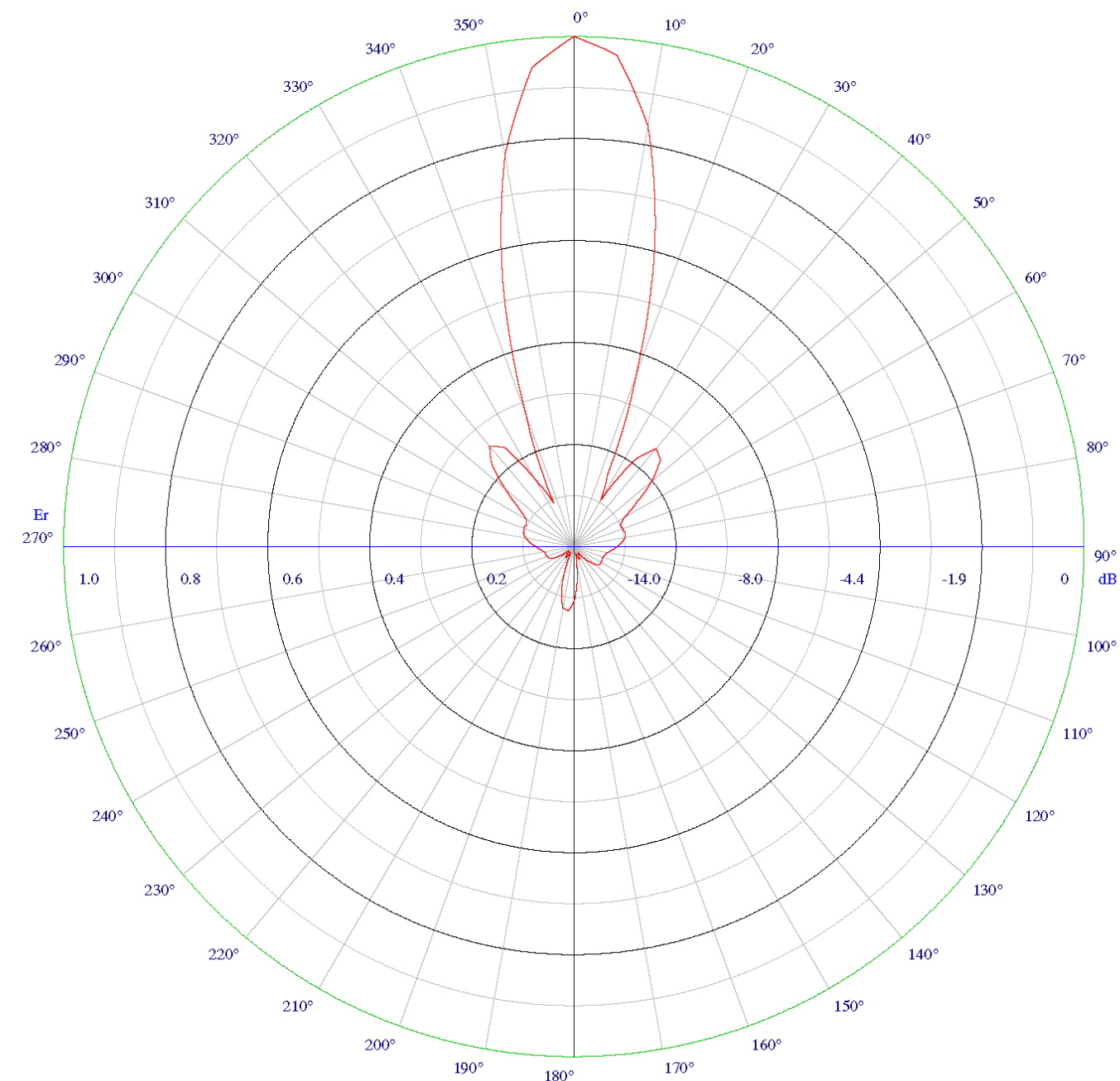


- ✓ The APO8 (Horizontal Polarization) and APV8 (Vertical Polarization) UHF panels are designed for TV transmissions in UHF Band. Each antenna is composed of eight ice protected radiating elements, a stainless-steel reflector, a fiberglass radome and mounting brackets.
- ✓ The APO8/APV8 series ensures total ATV and DTV compatibility.
- ✓ Stacking more panels, it's possible to obtain customized patterns, increase the gain and the power handling capacity according to user requirements. Customized pattern, electrical beam tilt and null fill are available upon request.
- ✓ Available with following connectors: N (max 500Wps), DIN 7/16 (max 1500Wps), EIA 7/8 (max 3000Wps).
- ✓ Gain: 12.0 dBd.





Horizontal pattern

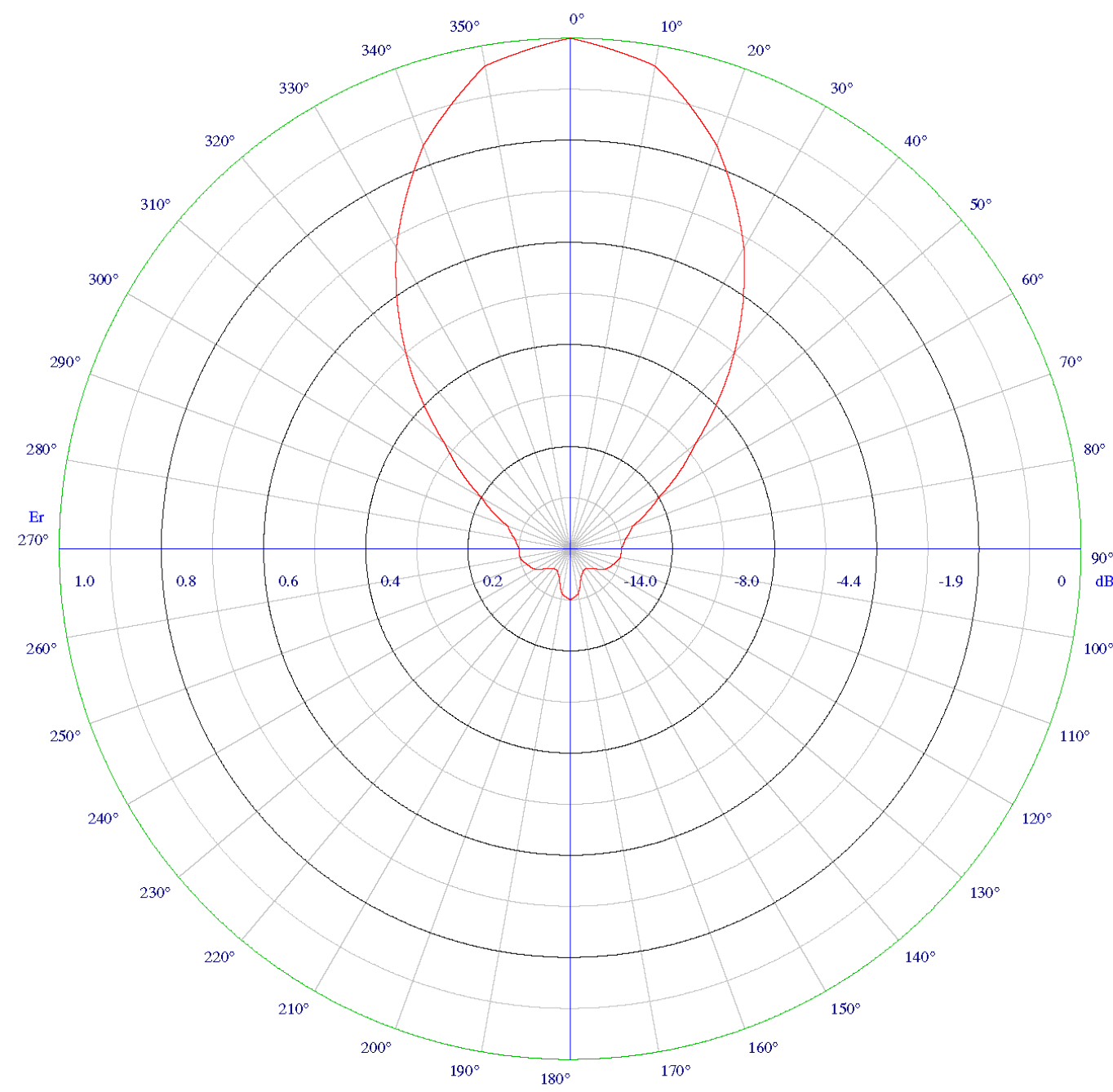


Vertical pattern

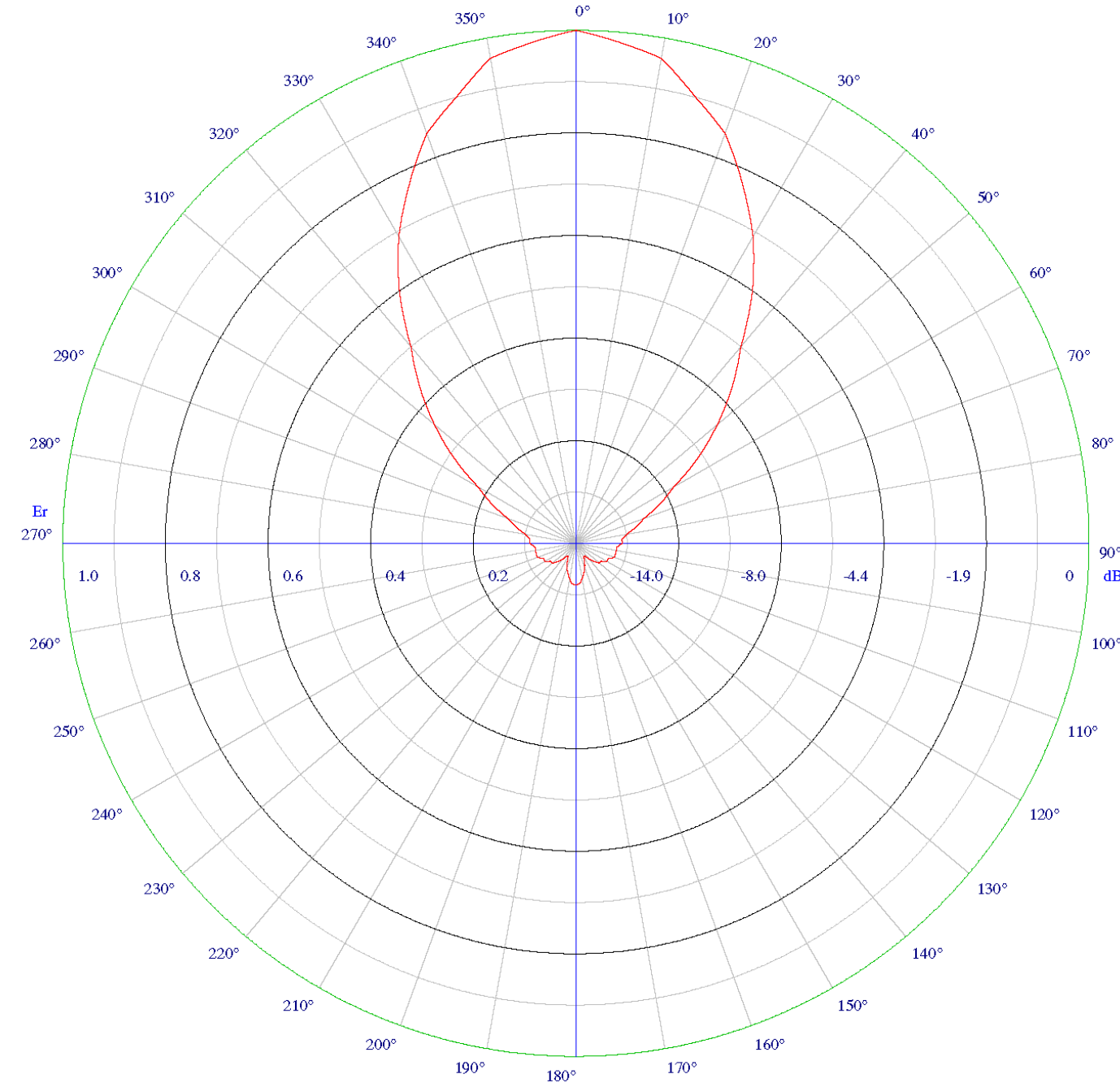


- ✓ The APV3/DAB VHF panels are Vertical polarization antennas made with stainless steel dipole and hot dipped steel reflector, PTFE insulators and stainless-steel screws.
- ✓ The APV3/DAB series is suitable for DAB transmissions in 200-240 MHz band.
- ✓ Stacking more panels, it's possible to obtain customized patterns, increase the gain and the power handling capacity according to user requirements. Customized pattern, electrical beam tilt and null fill are available upon request.
- ✓ Available with following connectors: DIN 7/16 (max 1500Wps), EIA 7/8 (max 3000Wps).
- ✓ Gain: 7.5 dBd.





Horizontal pattern



Vertical pattern

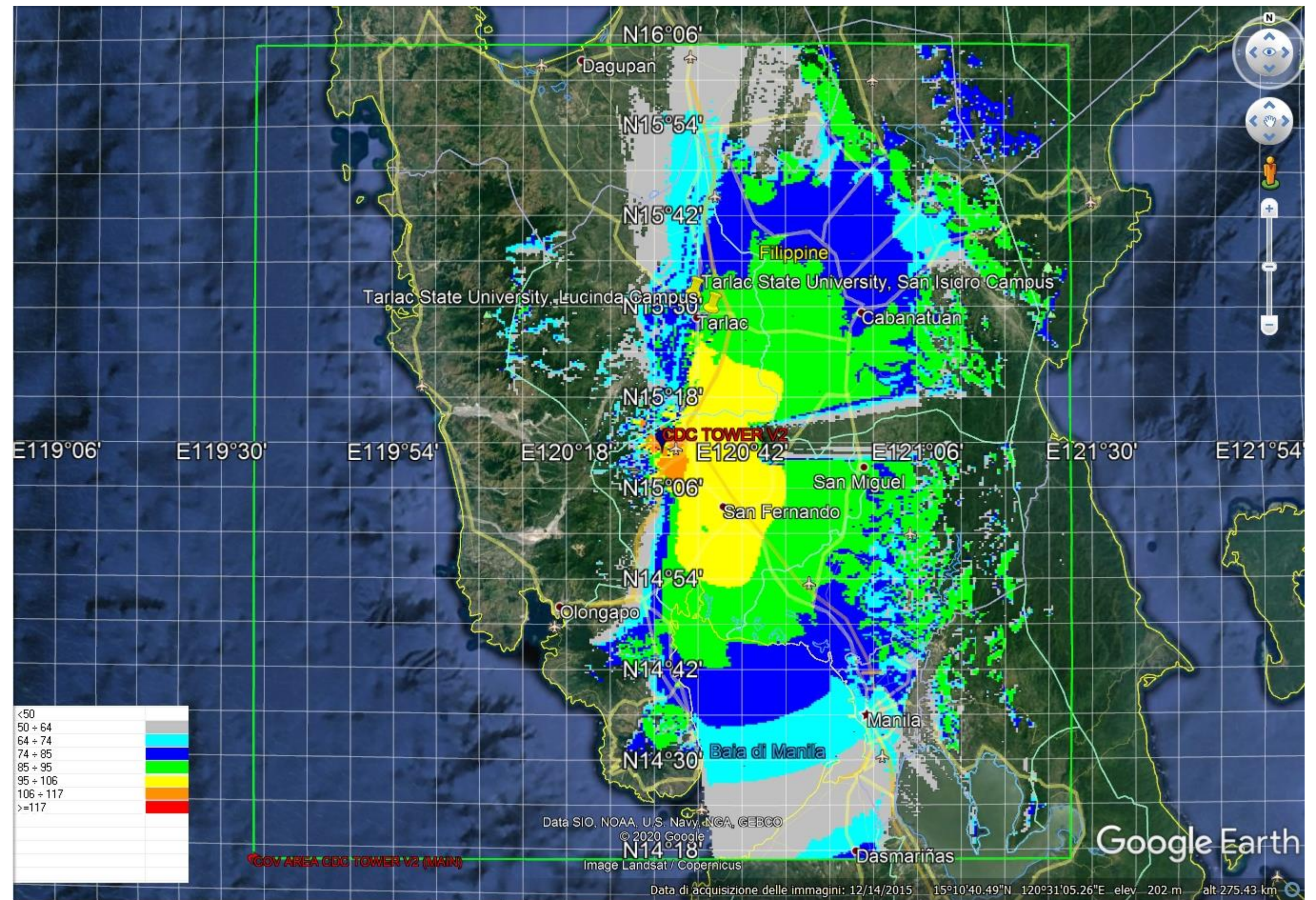


DB offers a coverage simulation study to its customers to define the best configuration to use.

With the station GPS coordinates, we can check the estimated coverage of the antenna system you would like to install or we can define the more convenient solution based on your requests.

We will realize a tailor-made antenna system for your station!

Ask a quote to our Sales Department:
sales@dbbroadcast.com
+39 049 8700588





www.dbbroadcast.com



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