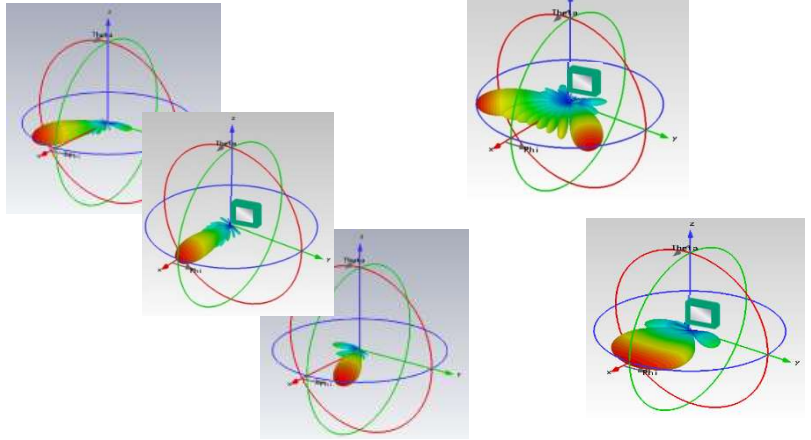
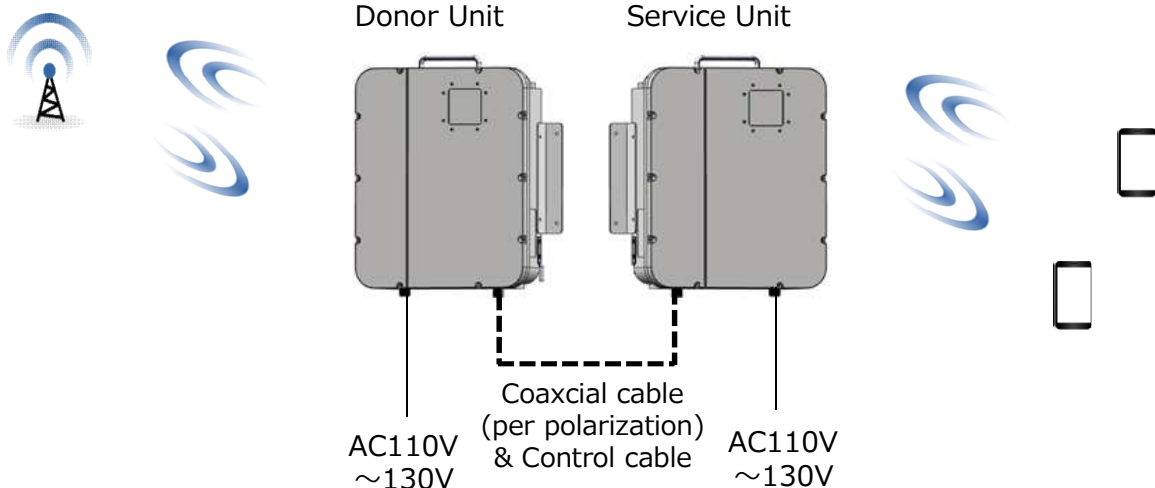


28GHz Signal Repeater



- ✓ **Beam Steering and Beam-width control**
 - for flexible area design.
 - for flexible directivity setting after field installation.
- ✓ **High flexibility of installation**
 - separate configuration of Donor Unit and Service Unit.
 - simple connection by coax & control cable between Donor & Service Unit.
- ✓ **Low latency**
- ✓ **No need GPS signal**
 - Fully automatic synchronization from the base station signal.





28GHz Signal Repeater

Item	Specification (Planned)	Remarks
Frequency range	28GHz band	Specified by customer within 400MHz BW
Bandwidth	400MHz	
Signal bandwidth	100MHz	
Number of carrier	4 (Maximum)	
Standard Spec.	3GPP 5G NR	
DL/UL Configuration ratio	Specified by the customer	
Number of polarization	2	
3dB beamwidth (Horizontal)	15°, 40°, 60°, 80°	Selectable
3dB beamwidth (Vertical)	15°, 40°, 60°, 80°	Selectable
Beam steering range	±30° (Horizontal) ±15° (Vertical)	1° step
EIRP	+37dBm / 400MHz / dual polarization	
EVM	64QAM : ≤9%	
ACLR	≤-27.2dBc (BW100MHz)	When transmitting max. power
Power output (gain) range	80dB~100dB	AGC range: 20dB
Noise Figure	≤10dB	At max. gain
Configuration of Donner & Service Units	Separated type	
Connection between Donner & Service Units	Coax. cable (IF signal, 100MHz signal) and Control cable (Control signal)	
Dimension (W,H,D)	Donor Unit: W320mm x H380mm x D120mm (W12.6" x H15.0" x D4.7") Service Unit: W320mm x H380mm x D120mm (W12.6" x H15.0" x D4.7")	
Weight	Donor Unit: approx. 16kg (35.3lbs) Service Unit: approx. 16kg (35.3lbs)	
Power-supply voltage	AC110V-130V (60Hz)	
Power consumption	Donor Unit: ≤140W Service Unit: ≤140W	At normal temperature