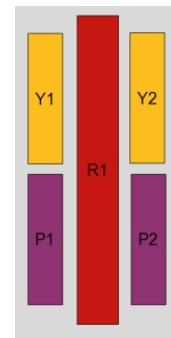
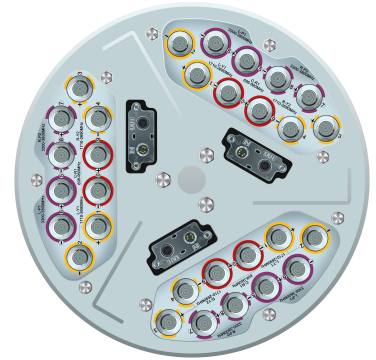


XXXXXPol 698~960MHz/1710~2690MHz×2/3300~3800MHz×2 65°/65°/65° 15/15/15dBi 2°~12°/2°~12°/2°~12°  
 Integrated and replaceable RCU (Remote Control Unit) Antenna

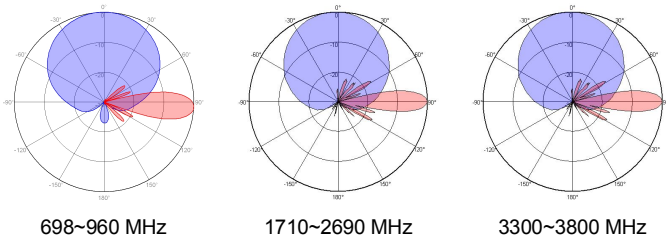
Electrical Specifications				
Frequency range (MHz)	R1-698~960			
	698~803	790~862	824~894	880~960
Polarization	±45°			
Gain at mid tilt (dBi)	13.8	14.0	14.5	14.8
Gain over all tilts (dBi)	13.5±0.8	14.0±0.5	14.3±0.4	14.5±0.5
Horizontal 3dB beamwidth (°)	73±6	70±5	69±5	66±5
Vertical 3dB beamwidth (°)	16.3±1.2	14.8±0.7	14.1±0.7	13.6±0.8
Front to back ratio(dB) Total power, 180°	>22	>23	>24	>24
Cross polar ratio (dB) (at Boresight)	>17	>17	>18	>16
Electrical downtilt (°)	2~12			
Sidelobe suppression (dB) (First sidelobe above main beam)	>16	>16	>16	>16
VSWR	<1.5			
Isolation: intra-system (dB)	≥25			
Isolation: inter-system (dB)	≥28			
Intermodulation IM3 (2×43dBm carrier)	≤-150 dBc			
Impedance (Ω)	50			
Max. power per input (W) @50°C	400			
Lightning protection	Dc Ground			

Electrical Specifications						
Frequency Range (MHz)	Y1/Y2-1710-2690 ×2				P1/P2-3300~3800×2	
	1710~1920	1920~2200	2200~2490	2490~2690	3300~3600	3600~3800
Polarization	±45°				±45°	
Gain at mid tilt (dBi)	14.5	14.8	15.0	15.2	14.4	14.5
Gain over all tilts (dBi)	14.3±0.5	14.6±0.5	14.8±0.5	15.0±0.5	14.2±0.5	14.3±0.5
Horizontal 3dB beamwidth (°)	65±7	67±5	65±5	65±5	65±5	60±3
Vertical 3dB beamwidth (°)	14.6±1.0	13.5±0.8	12.6±0.8	11.6±0.6	10.1±0.6	9.4±0.5
Front to back ratio(dB) Total power, 180°	>24	>24	>23	>23	>24	>26
Cross polar ratio (dB) (at Boresight)	>15	>15	>15	>15	>15	>15
Electrical downtilt (°)	2~12				2~12	
Sidelobe suppression (dB) (First sidelobe above main beam)	>15	>15	>15	>15	>14	>13
VSWR	<1.5					
Isolation: intra-system (dB)	≥22					
Isolation: inter-system (dB)	≥25					
Intermodulation IM3 (2×43dBm carrier)	≤-150 dBc				/	
Impedance (Ω)	50					
Max. power per input (W) @50°C	200				150	
Lightning protection	Dc Ground					

Mechanical Specifications	
Connector	3×10×4.3-10 Female
Connector position	Bottom
Height × width × depth (mm)	Φ420×(1340+360)
Packing size (mm)	1835×545×545
Antenna weight (kg)	57.5
Packing weight (kg)	65.7
Wind load (N,at 150km/h) Frontal/Lateral/Maximum	548/548/548
Radome material	Fiberglass
Radome color	White
Mechanical tilt (°)	0
Operating temperature (°C)	-50~65
Integrated RET Properties	
RET model	TRCU-TQ10P2V01
RET type	Integrated (Replaceable)
RET protocol	AISG 2.0/3GPP
Power supply(V)	10-30 DC
Power consumption(W)	≤0.6 (Idle, 12V), ≤6 (in Motion, 12V)
Adjustment time (Full Range)	< 4Mins
Adjustment cycles	> 50,000
Temperature range (°C)	-40~65
Lightning protection	3KA(8/20μs) @ Pin5& Pin3; 5KA(8/20μs) @ Pin1/ Pin6& Pin7
Connectors	2 x 8 Pin circle connector according To IEC 60130-9 And AISG. Daisy chain in:Male,Daisychain out:Female Pin1:12V;Pin3:RS485B;Pin5:RS485A;Pin6:10-3 0V;Pin7:GND; Pin2 &Pin4 & Pin8:N/C



**Antenna Pattern Sample For Reference**



Ant Array	RET Unique ID
AR1	TY00000.....AR1
AY1	TY00000.....AY1
AY2	TY00000.....AY2
AP1	TY00000.....AP1
AP2	TY00000.....AP2
BR1	TY00000.....BR1
BY1	TY00000.....BY1
.....	.....
CP1	TY00000.....CP1
CP2	TY00000.....CP2