

Short X [L, L, H, H, H, H]

Model : EHST201C



ELECTRICAL SPECIFICATIONS

Frequency Range (MHz)	R1/R2 (698-960)			Y1/Y2/Y3/Y4 (1695-2690)			
	698-824	791-894	880-960	1695-1990	1920-2180	2300-2400	2490-2690
Polarization	±45°						
Gain over all tilts (dBi)	13.5±0.7	13.8±0.6	14.2±0.6	17.0±0.8	17.3±0.8	17.6±0.8	17.9±1
Horizontal 3dB beam width(°)	68±6	66±7	60±7	69±7	67±6	64±6	61±9
Vertical 3dB beam width(°)	15.1±1.0	14.2±0.9	13.4±1.0	7.0±0.9	6.3±0.8	5.8±0.8	5.4±0.8
Front to back ratio(dB)	≥22	≥23	≥25	≥24	≥24	≥25	≥25
Cross polar ratio(0°)(dB)	≥15	≥15	≥15	≥15	≥15	≥15	≥15
Upper side lobe suppression (dB)	≥15	≥16	≥15	≥15	≥16	≥16	≥15
Electrical Downtilt (°)	2-14			2-12			
Electrical Downtilt accuracy (°)	±1						
Ports VSWR	≤1.5						
Isolation: intra-system (dB)	≥25						
Isolation: inter-system (dB)	≥25						
Intermodulation IM3 (2 × 43dBm)	≤-153dBc						
Impedance (Ω)	50						
Max Input Power (W)	1200						

MECHANICAL SPECIFICATIONS

Connector(s)	12 $\times$ 4.3-10 female
Connector position	Bottom
Antenna Dimensions (mm)	1550 $\times$ 500 $\times$ 158
Packing Dimensions (mm)	1795 $\times$ 595 $\times$ 250
Mechanical Downtilt kits ($^\circ$)	0-12
Radome Color	light gray
Radome Material	Fiberglass
Antenna weight (kg)	≤ 32
Packing weight (kg)	≤ 44
Wind load (N,at 150km/h) Frontal/Lateral/Rearside	1378/194/1592N
Operating temperature ($^\circ$ C)	-40 ~ +60
Maximum Wind Speed(km/h)	200
Mounting Pipe Diameter	$\Phi 50 \sim \Phi 115$



(mm)		
------	--	--

Short X [L, L, H, H, H, H]

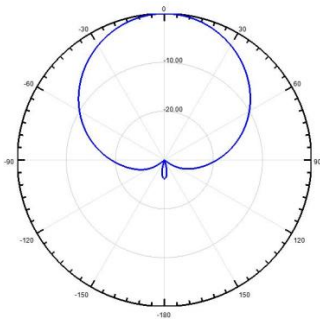
Model : EHST2010



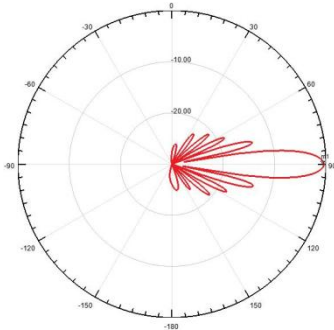
Integrated RET Properties

RET type	Replaceable Integrated RET
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;Pin6:10-30V;Pin7:GND; Pin2 &Pin4 & Pin8:N/C

Pattern



H Pattern



E Pattern

