

Electrical Specifications												
Frequency range (MHz)	690-960											
	690-806			790-862			824-894			880-960		
Polarization	±45°											
Electrical downtilt (°)	0 – 14											
Tilt (°)	0	7	14	0	7	14	0	7	14	0	7	14
Gain (dBi)	14.1	14.2	14.1	14.4	14.5	14.3	14.6	14.7	14.5	14.8	15.0	14.7
1 <sup>st</sup> USLS (Min.) (dB)	17	16	16	17	17	16	17	17	15	17	17	16
Horizontal 3dB beamwidth (°)	69			67			66			64		
Vertical 3dB beamwidth (°)	15.8			13.8			13.2			12.5		
Front to back, co-polar (Typ.) (dB)	>30											
Cross polar ratio (Typ.) (dB)	0°			20								
	±60°			10								
VSWR   RL (dB)	<1.5   >14											
Isolation between ports (dB)	≥30											
Max. power per input (W)	500 (at 50° C environmental temperature)											
Intermodulation IM3 (dBc)	≤ -153 (2×20 W carrier)											
Impedance(Ω)	50											
Lightning protection	DC Grounded											



Mechanical Specifications		
Connector	2×7/16 DIN Female	
Connector position	Bottom	
Dimensions H×W×D (in)   (mm)	54.7×12.5×5.0 1390×318×128	
Weight (lb)   (kg)	28.4   12.9	
Mechanical downtilt (°)	0-10	
Mast diameter supported (in)   (mm)	2.0-4.5   50-115	
Radome material / color	Fiberglass / Light grey	
Operational temperature (°C)	-55~+65	
Wind load (lbf)   (N)	Front	142.7   635 (at 150 km/h)
	Side	57.3   255 (at 150 km/h)
	Rear	165.2   735 (at 150 km/h)
Max. operational wind speed (mph)   (km/h)	93   150	
Survival wind speed (mph)   (km/h)	124   200	

**1XD2690-960-65-15i-M14**

Model: LE1021

