



TOP VIEW

MECHANICAL LOADING DATA		
ANTENNA SYSTEM		
Weight, Wt.	no ice	294 lbs. (133 kg)
	0.5" ice	478 lbs. (217 kg)
Effective Projected Area, EPA	no ice	17 sq. ft. (1.6 sq. m)
	0.5" ice	28 sq. ft. (2.6 sq. m)
Estimated Bay Spacing, EBS =		120 in. (3048 mm)
Estimated Array Length, EAL =		36 ft. (11 m)
NOTES & ASSUMPTIONS		
CODE REFERENCE:	TIA-222-G	Antenna System Includes:
Structure Class:	II	Antennas, Standard Mounting Brackets, Horizontal Reflectors, and Rigid Inter-Bay Line.
Structure Type:	1	
Exposure Class:	C	
Topographic Category:	1	
Basic Radial Ice Thickness:	0.5" (13mm)	
NOTES		
Bay to Bay spacing is based on mid-band frequency. Actual spacing may be different. Mounts not included unless specifically stated above.		

PRELIMINARY DRAWINGS AND CALCULATIONS

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NAME	DATE
DRAWN BY: SML	01 Nov 2022
LAST REVISED	



MECHANICAL LOADING DATA SHEET

JMPC-4 DA	
COMMENTS:	
SIZE DWG. NO.	REV.
A JMPC-4 DA	A