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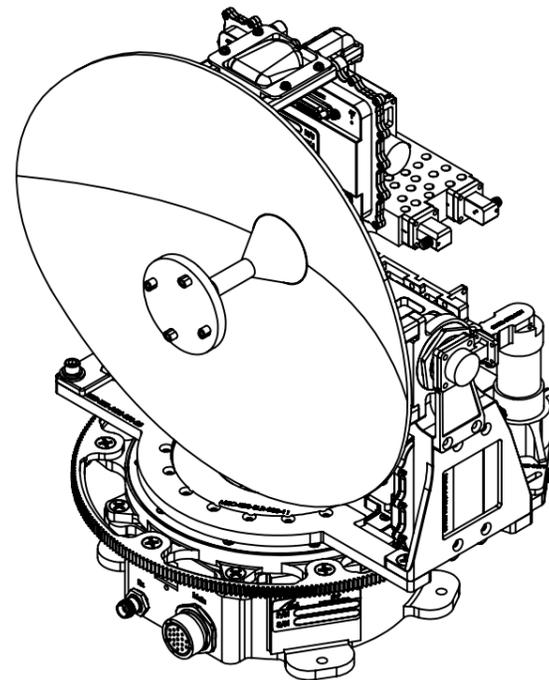
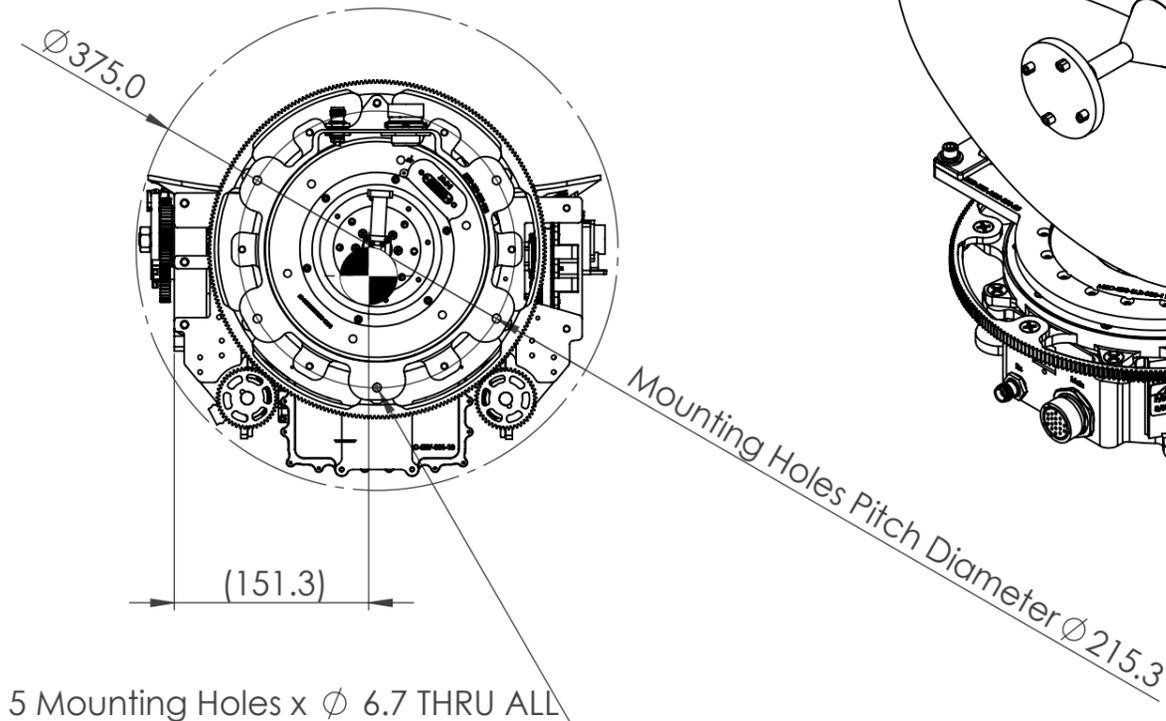
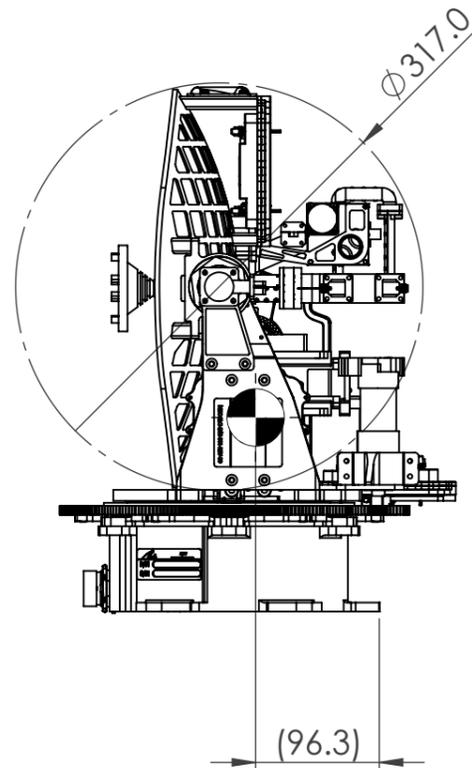
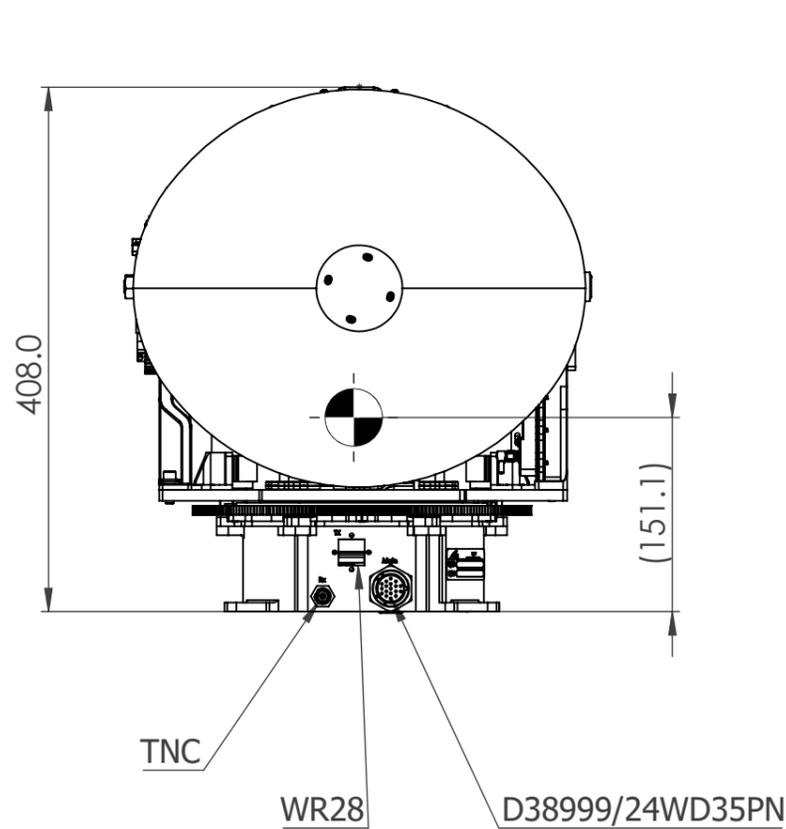
TECHNICAL DATA

ELECTRICAL

FREQUENCY RANGE	TX: 27.5 Ghz to 31.0 Ghz RX: 17.7 Ghz to 21.2 Ghz
GAIN	TX: > 37 dBi RX: > 34.5 dBi
SSPA INPUT POWER	UP TO 80 W
G/T	MIN: 11 dB/K TYP: 12 dB/K
POLARIZATION RANGE	Electronic Switching RHCP/LHCP for Tx LHCP/RHCP for Rx
ANTENNA PATTERNS	Tx beam width EL 1.9°/Az 1.6° Tx Side lobes level <-13dBc Rx bandwidth El 3.0°/Az 2.5° Rx Side lobes level <- 13dBc
FROM COLD START ACQUISITION AND TRACKING	28 Sec
AXIAL RATIO	TX axial ratio 1.5 dB RX axial ratio 2.0 dB
EIRP	51 dBW for 40W BUC

PHYSICAL & INTERFACE

ANTENNA WEIGHT	12 ±0.5 kg
RF INTERFACE	TX: Ka WR 28 RX: L-BAND N-TYPE
TEMPRATURE	WORKING : - 40°C +75°C STORAGE : -55°C +75°C
COVERAGE	Az : 360 ° continues, zero backlash El: 0° - 110 °
VOLTAGE INPUT	28 VDC in comply with RTCA - DO160G
RADOME, MODEM AND BUC	OPTIONAL



DIMENSIONS: mm

	NAME	DATE
DRAWN	S.Tweg	26/08/2025
DESIGN	S.Tweg	26/08/2025
CHECK	G.Yom Tov	26/08/2025
APVD .	ZAHl	26/08/2025



MOBILE SATELLITE COMMUNICATIONS

Ka 30 - ICD

DEBURR ALL SHARP EDGES AND CORNERS

NEXT ASSY. --

DO NOT SCALE DRAWING

DWG NO.	MKA30-ICD-001	REV 01
SCALE: 1:20	SIZE: A3	SHEET 1 of 1