
FCC Information

Kristan Tuttle

FCC License Application

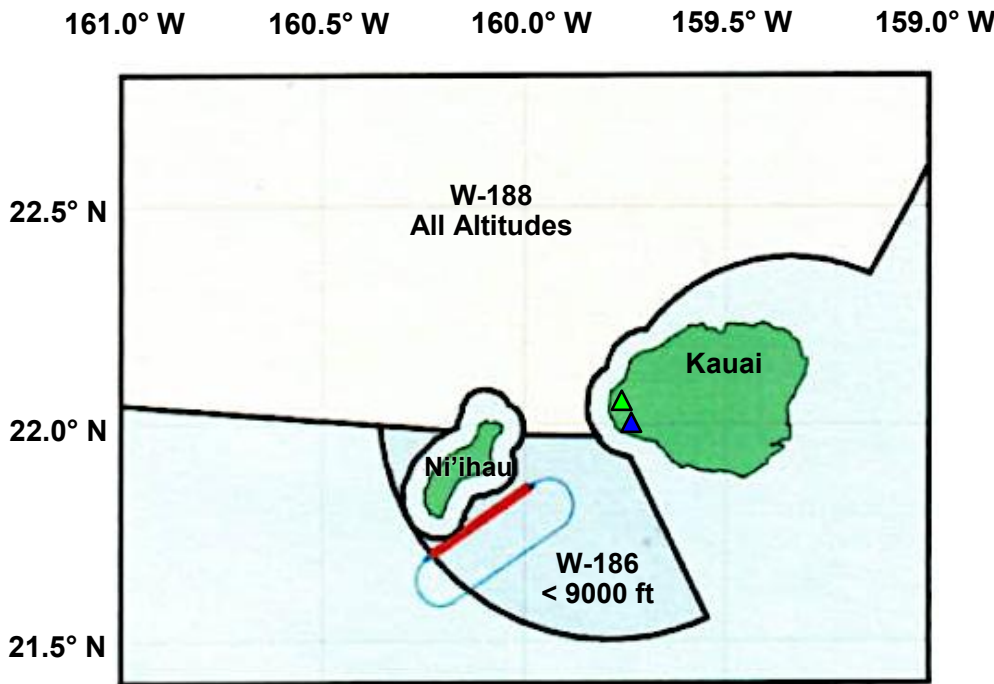
September 8, 2026





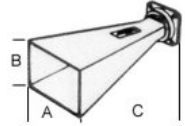
Lear Jet Flight Profile

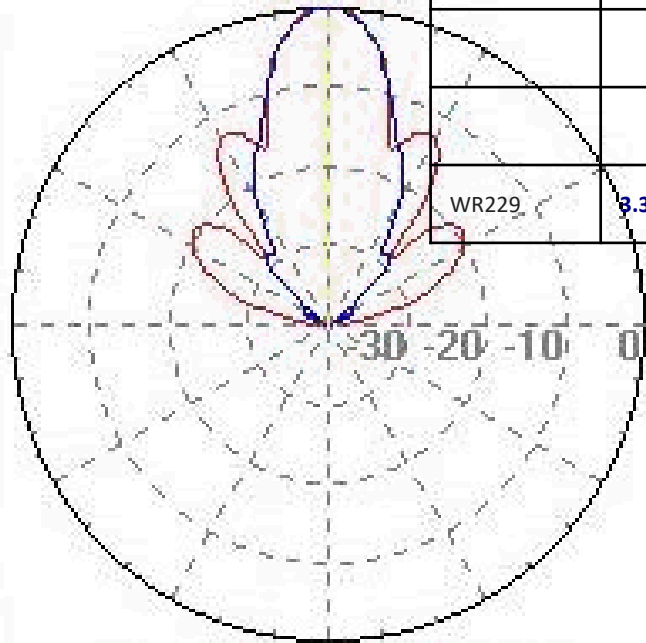
Learjet Flight Path



Learjet Parameters	
Altitude	15000 ft
Ground Speed	300 knots
Indicated Air Speed (IAS)	~230 knots
Heading	55.15°
Active Run Start (IP)	(21° 41.782', -160° 13.930')
Active Run Stop (EP)	(21° 52.256', -159° 59.985')
IP GR from AAMDTC	58.9 km / 31.8 nmi
EP GR from AAMDTC	28.2 km / 15.2 nmi
Active Run Duration	200 s

Thorn Antennas on Aircraft

STANDARD GAIN HORN ANTENNA WITH COAXIAL INPUTS - STANDARD MODELS											
WG Size	Frequency (GHz)	Model No. SMA Female	Model No. Type-N Female	Gain (dB)	3dB Beam Width***		Est. Weight				Far Field (M) @ Low to High Freq.
					E-Plane	H-Plane		Size (In)**			
								A	B	C**	
WR229	3.30 - 4.90	229-442-SF	229-442-NF	20	17.1°	16.7°	5.0 lbs	12.25	8.60	23.50	2.13 - 3.16



- Thorn uses a standard gain horn antenna from ATM, with a Gain of 20dBi
- There are two antennas, one in each wing pod
- A cable runs from the antenna in the pod into the main cabin of the aircraft