

Technical Description

The Boeing Company

Submitted: 12/22/2020
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JUSTIFICATION:

Antenna Testing

The Boeing Company is requesting a Special Temporary Authorization (STA) to support satellite antenna development. Boeing will conduct testing at the Boeing Facility in Auburn, WA

OBJECTIVE & TEST DESCRIPTION

The objective of the test is to receive certified antenna gain patterns suitable for submission to regulatory bodies and satellite operators for gaining type approvals and licenses to operate. Please see attachment 1 for test setup.

Start Date: 1/12/2021

Stop Date: 7/12/2021

Manufacturer:	Hewlett Packard, 83620A
Manufacturer:	Kymeta SATCOM Antenna
Frequencies:	11.00 GHz, 13.85 GHz, 14.10 GHz, 14.25 GHz, 14.40 GHz
Emissions:	1M00N0N
ERP:	4416 mW

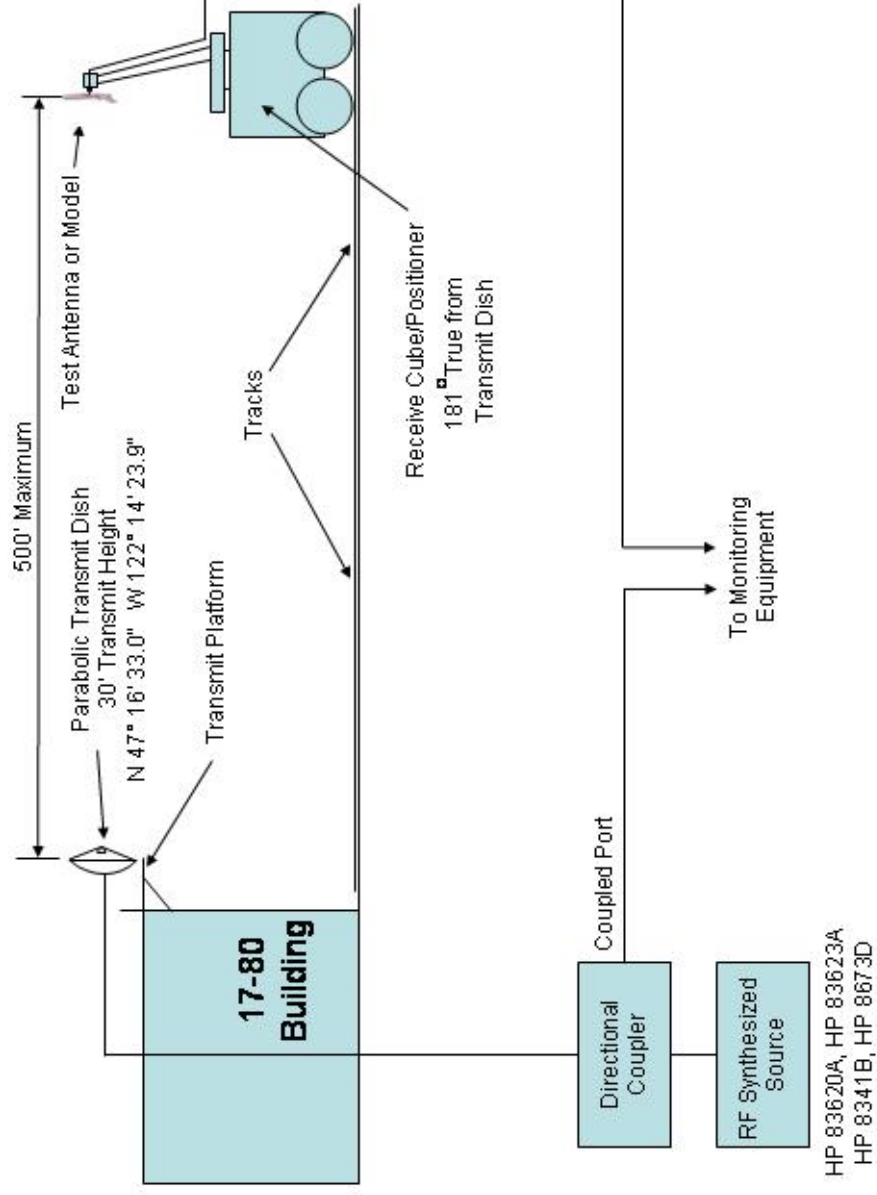
LOCATIONS:

Location:	Auburn, WA Antenna Range
Lat/Lon:	47-16-33N; 122-14-23W
Station Class	FX

STOP BUZZER POINT OF CONTACT:

Stop Buzzer for Operation: Dennis Lewis, +1 (206) 544-0504

Attachment 1



Auburn Range 3 Block Diagram