

Technical Description

The Boeing Company

Submitted by
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The Boeing Company
Frequency Management Services MC: 2T-22
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JUSTIFICATION:

This STA is required to measure the coupling between two reflector antennas mounted on a 1/4 scale model airplane and operating in the 36-40 GHz band.

DATES OF OPERATION

As soon as possible to 120 days after date of approval

OBJECTIVE & TEST DESCRIPTION

We plan to sweep across the 36-40 GHz band in 1601 equally spaced steps. We will rotate the antennas relative to one another and re-measure the antenna coupling.

TEST OVERVIEW

TX Manufacturer:	Agilent
TX Model:	N5245
Frequencies:	36 to 40 GHz
Emissions:	N0N (Swept CW)
Transmit Output Power:	0.001 Watt
Antenna Gain:	30 dB
Effective Radiated Output:	1.0 Watt
Station Class:	FX
Antenna Type:	6 inch prime focus fed parabolic dish
Antenna Azimuth:	280-070 deg magnetic

STOP BUZZER POINT OF CONTACT:

Gary Miller
253-773-5005

LOCATION

Location:	Kent, WA
Latitude:	47-25-03 N
Longitude:	122-15-36 W NAD83

