

The Boeing Company
 Global Spectrum Management
 P.O. Box 3707 MC: 1K-105
 Seattle, WA 98124-2207
 425-234-4287 Office

Purpose:

FCC OET license required to support the operation of Agilent Technologies, Signal Generator (N5183A) to support antenna testing and evaluation to be conducted at the Boeing Smartt Field Outdoor Antenna Range located in St. Charles, Missouri. This testing is not DoD contract specific, but will support existing Boeing DoD contracts.

Operation Description:

This request is being submitted to support Antenna Testing at the Boeing Smartt Field Outdoor Antenna Range using a 1 Watt TX power amplifier.

Table (1) lists the equipment specifications, including frequency band of operation, transmitter output power, emissions, antenna types and gains, as well as maximum ERP.

Purpose	Manufacturer	Model	Frequency(MHz)	Emission	Power ERP (Watts)	Location
ANTENNA TESTING	AGILENT TECHNOLOGIES	N5183A	2-29.999	NON	39	GROUND
ANTENNA TESTING	AGILENT TECHNOLOGIES	N5183A	90-100	NON	39	GROUND
ANTENNA TESTING	AGILENT TECHNOLOGIES	N5183A	1560-1563	NON	39	GROUND
ANTENNA TESTING	AGILENT TECHNOLOGIES	N5183A	1587-1600	NON	39	GROUND
ANTENNA TESTING	AGILENT TECHNOLOGIES	N5183A	2000-2100	NON	39	GROUND
ANTENNA TESTING	AGILENT TECHNOLOGIES	N5183A	2710-2990	NON	39	GROUND
ANTENNA TESTING	AGILENT TECHNOLOGIES	N5183A	3000-3550	NON	39	GROUND
ANTENNA TESTING	AGILENT TECHNOLOGIES	N5183A	10710-12180	NON	39	GROUND
ANTENNA TESTING	AGILENT TECHNOLOGIES	N5183A	15700-16190	NON	39	GROUND

Table 1 – Equipment Data

Table (2) lists the location of operations, as well as the station class of the operation.

City	State	Latitude	Longitude	Radius (KM)	Station Type	Flight Level (ft)
Smartt Field, St. Charles	MO	38-55-36 N	90-25-24 W	2	GROUND	Ground Test

Table 2 – Location Data

Start Date: November 1, 2020
Stop Date: September 30, 2022

Stop Buzzer POC: Stop Buzzer for this operation is David Zabriski (636) 250-3814.