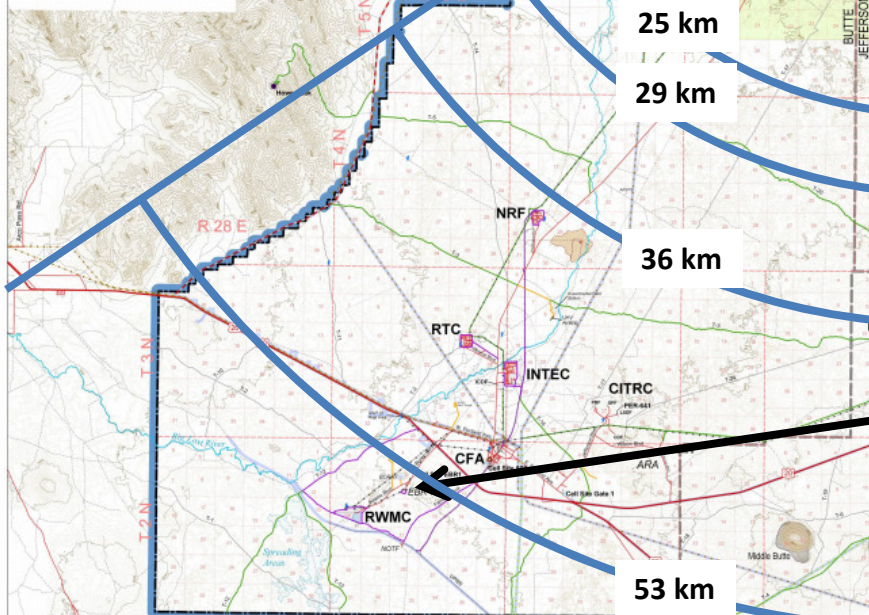
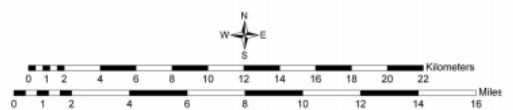


OFF RANGE POWERS



Legend

- U.S. Highway
- State Highway
- Paved or Light Duty Roads
- Two Track Roads
- Ph 1 - Emergency Evac/Security Roads (Graded)
- Ph 2 - Service Access Roads (Spot Graded)
- Ph 3 - Wildland Fire Roads (Passable)
- Ph 4 - Not Maintained
- Railroad Tracks
- Rifle Range Fan
- Plays and Spreading Areas (Dry or Seasonally Wet)
- Rivers and Streams
- INL Utility Lines
- Utah Power & Light Utility Lines
- Idaho Power Utility Lines
- Buildings of Interest
- Facility Footprints

Key Facilities

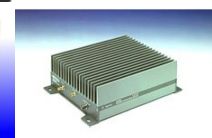
- CDF
- CFA
- CITRC
- CIT
- PLSS Section Lines
- PLSS Township and Range Lines
- Easements
- 200-ft Index Contour
- 40-ft Interval Contour
- 10-ft Index Contour
- 2-ft Interval Contour
- 2-ft Depression Contour
- Buttes

- Continental Detection Facility (Former MWSF)
- Center Facilities Area
- ARYPS
- Army Recovery Vehicle Facility Site
- Continental Test Facility
- Large Scale Development Facility (Former WERF)
- Materials & Fuel Complex (Former ANL-W)
- MFC
- Naval Reactor Facility
- Power Reactor Facility
- Reactor Technology Complex (Former TRN)
- Radioactive Waste Management Complex
- Specific Manufacturing Capability
- Special Programs Facility (Former WEDF)
- TAN
- TDF

- Other Discontinued/Decommissioned Facilities
- ARA
- ARYPS
- Army Recovery Vehicle Facility Site
- Continental Test Facility
- Large Scale Development Facility (Former WERF)
- Materials & Fuel Complex (Former ANL-W)
- MFC
- Naval Reactor Facility
- Power Reactor Facility
- Reactor Technology Complex (Former TRN)
- Radioactive Waste Management Complex
- Specific Manufacturing Capability
- Special Programs Facility (Former WEDF)
- TAN
- TDF



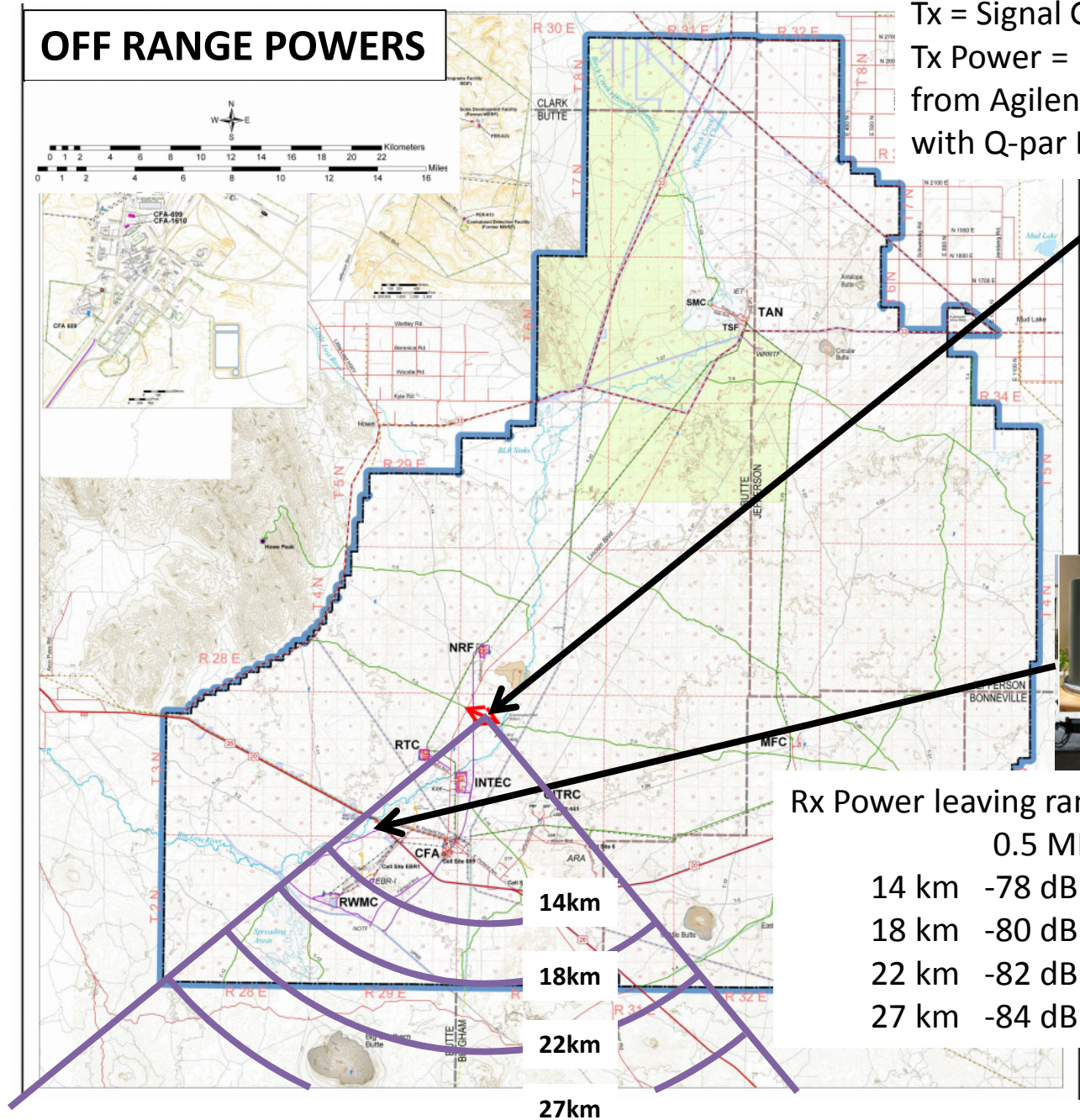
Tx = Signal Generator 0.5 - 20 GHz
Tx Power = 1W (30dBm) – 500mW
from Agilent 83020A
with Q-par Horn



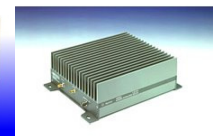
Rx Power leaving range = 0.5-20 GHz

	0.5 MHz	2 GHz	20 GHz
25 km	-83 dBm	-92 dBm	-111 dBm
29 km	-84 dBm	-94 dBm	-112 dBm
36 km	-86 dBm	-95 dBm	-114 dBm
53 km	-89 dBm	-99 dBm	-117 dBm

OFF RANGE POWERS



Tx = Signal Generator 0.5 - 20 GHz
Tx Power = 1W (30dBm) – 500mW
from Agilent 83020A
with Q-par Horn



Rx Power leaving range = 0.5-20 GHz

	0.5 MHz	2 GHz	20 GHz
14 km	-78 dBm	-87 dBm	-106 dBm
18 km	-80 dBm	-89 dBm	-108 dBm
22 km	-82 dBm	-91 dBm	-110 dBm
27 km	-84 dBm	-93 dBm	-112 dBm