80GHz Update

Jim Moss
N9JIM
February 4, 2020
Specific Attenuation ITU-R (dB/km)
80GHz Propagation
(from Gigabeam)
TX and RX Gigabeam modules
40GHz Tripler & Gigabeam Modules
100MHz Ref Osc

6.7 GHz DRO locked

11-18G BPF

13.4G amp

13.4G Splitter

40.2G tripler

Gigabeam RX

WR15 Switch

Bias voltages

Gigabeam TX

12V supply

434MHz LNA

434MHz Switch
GigaBeam 24” dish
Ribbon to substrate

Bad connection at “weld”. Moves easily when probed. No continuity.

Gold foil ribbon

Connector center pin Soldered to gold ribbon

Substrate trace
Pacific Bay Circle - Sierra Vista
KF6KVG – N9JIM 39.7 miles
Finished & on Mt Umunhum
Mt Umunhum to Mt Vaca
N9JIM – AD6IW (80 miles)
Disturbed layout after blowover
PICTURES OF OTHER RIGS
The Master
Bob – KF6KVG (2017)
K0UO -
VE4MA Barry