Hello All,

It has been quite some time since the last update. Summer is past and its time to re-focus on forward progress with Packet. I hope you all had the opportunity to spend quality time with your families.

I have created and deployed NPLN SNOS and now have it 100% fully functional and plan on cloning its hard drive for creating new hard drives for deployment of other needed SNOS nodes.

Here are the technical details of NPLN:
NPLN.NL7OM.AMPR.ORG
NPLN.NL7OM.NET (For Web-Access within my home network)
NL7OM.NO-IP.ORG (For internet Web-Access)
NL7OM@NL7OM.OR.USA.NOAM (My packet email address)

AX0   AX.25 Network Port
AX1   NPLN to BPEAK on 145.730 MHz
AX2   NPLN to BSH on 144.970 MHz

SNOS also supports the RMS (internet based) email system and is called CMS and is known as NL7OM-2.
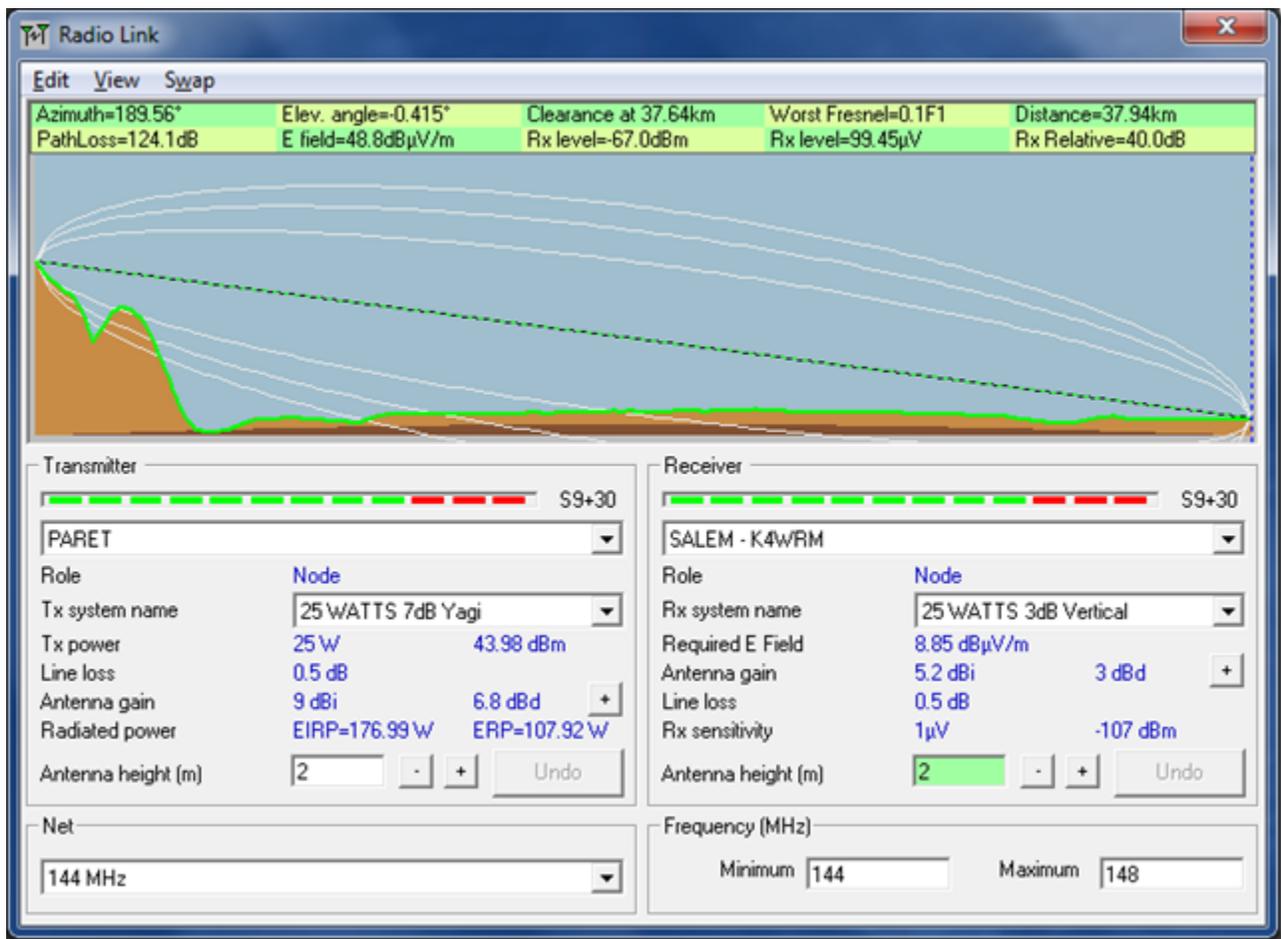
BSH Update:
The BSH Node PC has been somewhat unstable lately. There have been two instances where it has Shutdown instead of restarting. In fact, it did so again just this weekend so it is off-air at this time until I can make it out to the warehouse to get it turned back on. I have asked CARS Leadership to purchase a web-based power strip that has 10 outlets with 8 of them that are individually controllable.

This will allow us to reset the power feeding the PC to remotely force a reboot. When it gets installed I will also activate Wake-On-LAN which will require I take an LCD Monitor/keyboard up to the top of the freezer to set it up. We will have to find a 120VAC relay that the reset wire from the PC mainboard can be shorted to ground when the outlet is turned off to force a remote reboot.

New SLVRTN SNOS Node to be Created:
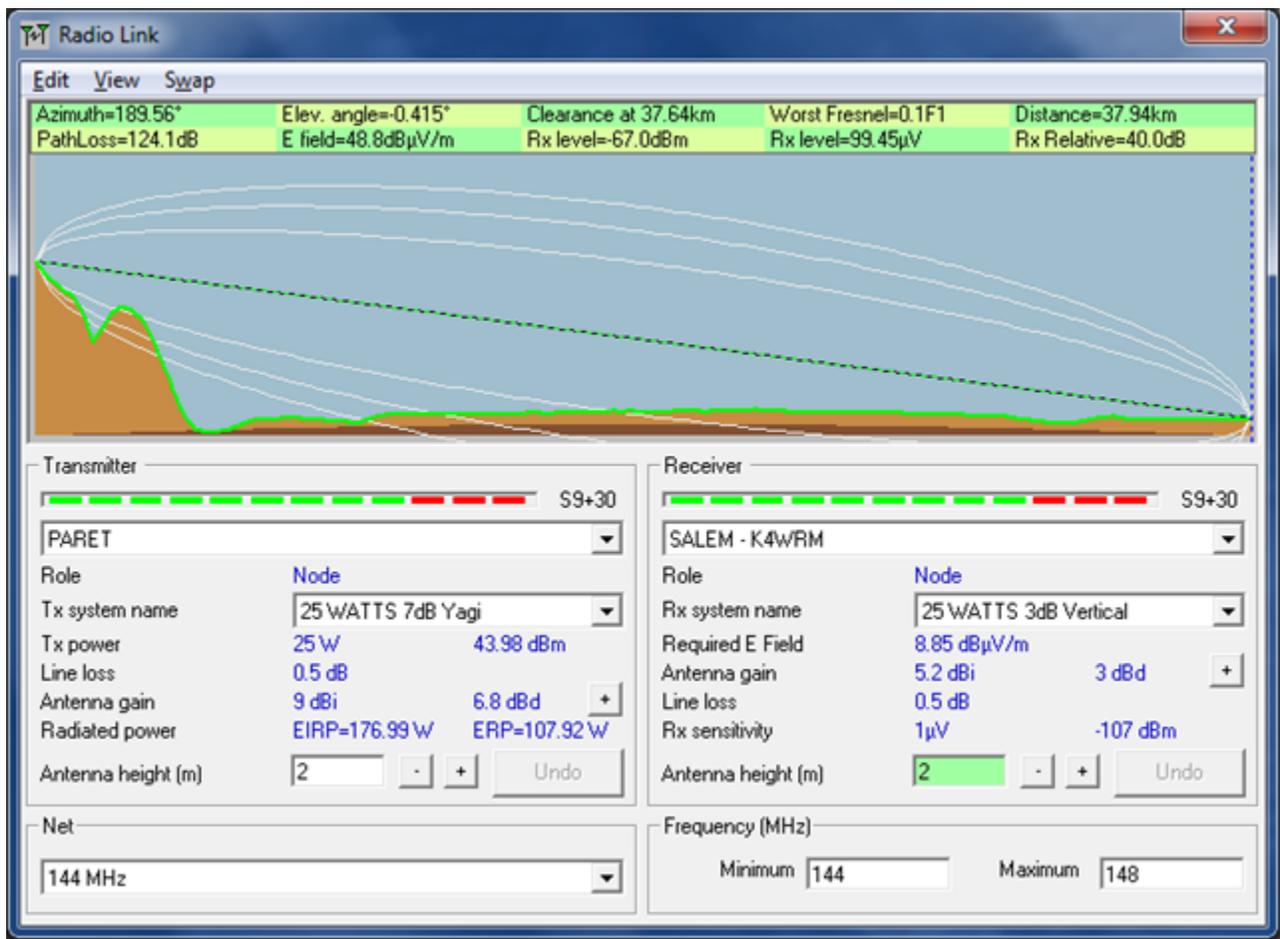In the meantime we will construct and deploy the PARRET SNOS equipment to a location in SLVRTN for testing and immediate use at a location that Jack has available to him at Silverton, OR. It has been suggested that we can tie it into BVCK SNOS node so that packet emails can be forwarded to and from the Salem area into the Oregon Packet System. Jack already has the PC, TNCs, radios, feedlines, power supply and antennas.

New PARET SNOS Node to be Created:
I have been working with Jack Carter, K4WRM of the SALEM Stake to find a way to provide packet support to their Region. The best option for the largest area of coverage is to place a node up on PARET Mountain however the point of contact I was given so far has been unreachable. Ken Tolliver indicated he wouldn't mind taking a drive up there and stopping by the Ham's address to see if anyone is home and if they would be willing to sponsor an SNOS node at their location.

Once Ken Tolliver firms up the PARET site we may re-deploy SLVRTN as PARET due to it greater coverage area. Below is a Radio Mobile estimate. Please notice that at 25 watts and a unity gain vertical at Jack Carter's QTH at 25 watts signal strength is S9+30dB:

Radio Link

Edit · View · Swap

Azimuth=189.56°	Elev. angle=-0.415°	Clearance at 37.64km	Worst Fresnel=0.1F1	Distance=37.94km
PathLoss=124.1dB	E field=48.8dBμV/m	Rx level=-67.0dBm	Rx level=99.45μV	Rx Relative=40.0dB

Transmitter — S9+30

PARET

Role	Node
Tx system name	25 WATTS 7dB Yagi
Tx power	25 W · 43.98 dBm
Line loss	0.5 dB
Antenna gain	9 dBi · 6.8 dBd · +
Radiated power	EIRP=176.99 W · ERP=107.92 W
Antenna height (m)	2 · - · + · Undo

Net

144 MHz

Receiver — S9+30

SALEM - K4WRM

Role	Node
Rx system name	25 WATTS 3dB Vertical
Required E Field	8.85 dBμV/m
Antenna gain	5.2 dBi · 3 dBd · +
Line loss	0.5 dB
Rx sensitivity	1μV · -107 dBm
Antenna height (m)	2 · - · + · Undo

Frequency (MHz)

Minimum 144   Maximum 148

Thanks and I will continue to keep you apprised as events warrant.

73's de,

CB
NL7OM

The Old Man