Newsky DVB-T Receiver purchased from NooElec via Amazon; recieved22 Dec 2012

White plastic case; blue LED on “top”; inspection shows static protection BAV99 diode installed as per image provided by \_\_\_\_\_. PWB identified as DVB-1AD Ver L1

Powered up, installed SDR# per W9RAN guidance. No issues.

Using HP a6050y Pavilion PC; Windows Vista operating system (Service Pack 2). Intel Core 2 CPU; 1.8 Ghz, 2 gb RAM; 32 bit OS

Received bcst FM OK, local stations, using Quad helix antenna cut for NOAA polar orbit sats.

Initially could not receive NOAA sats on 136 MHz; Stumbled onto RF gain adjustment; NOAA sats rx OK after increasing RF Gain.

Using WxtoImg ver 10.1; have not been able to decode images from SDR# audio yet.

Noise floor on SA display, CF 137 MHz, read at 136 MHz was around 65 dB. This with a 6 foot shielded USB cable. Placed dongle immediately adjacent to PC; no change in noise floor. Added/removed ferrite bead EMI suppressors; no change. Moved dongle away from PC to end of cable, no change.

Set up HP 8654B signal generator for appx 137.9 MHz and 100 uv output per panel indication. Noted 2 dB loss in cables used for following measurements. (all RG58 cables and BNC connectors)

Sig Gen output SDR# Spec an indication

100 uv -2.37 dB

30 uv -12.6 dB

10 uV -22.1 dB

3 uV -33.16 dB

1 uV -44.21 dB

.3 uv -52.11 dB

At .3 uv I noted the waterfall was still correlating, but the signal had dropped into the noise floor.