

## S501 Satellite & Terrestrial Signal Meter Information for use with Wideband LNBs/Astra 28.2E

This guide assumes the connected dish is aligned correctly.

Once the S501 Meter has been powered on, select 'DVB-S2' from the Main Menu screen. Ensure the settings are as follows for use with Sky Q™/Wideband LNB installations:

- Satellite: KU Astra 28.2E
- LNB Type: Wideband
- LNB frequency: 10410



Fig.1

Connect the Vertical Feed of the Wideband LNB to the Meter.

Select any of the following Vertically Polarised Transponders carrying Wideband signals from the abbreviated list below:

- 11479 Vertical, Symbol Rate 22000
- 12129 Vertical, Symbol Rate 27500
- 12168 Vertical, Symbol Rate 27500
- 12324 Vertical, Symbol Rate 27500

Once a valid Transponder is selected the bright blue 'Lock' LED should light showing the S501 has a Lock.



Fig.2

Press the 'OK' button, the S501 will now display signal quality/strength (PWR, MER, C/N, BER).

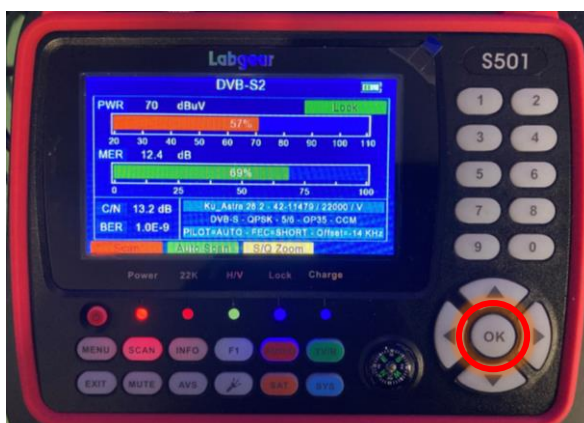


Fig.3

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The S501 can now perform an 'Auto Scan' by pressing the Green button. A list of Transponders will begin to populate as the Auto Scan progresses. Transponders will either be listed as 'OK' (these will be Vertically Polarised Transponders carrying Wideband signals) or 'NG' (Transponders that are either non-Wideband or Horizontally Polarised).



Fig.4

Now remove the connected Vertical Feed of the Wideband LNB & connect the Horizontal Feed to the Meter.

Select any of the following Horizontally Polarised Transponders carrying Wideband signals from the abbreviated list below:

- 11464 Horizontal, Symbol Rate 22000
- 11641 Horizontal, Symbol Rate 23000
- 12110 Horizontal, Symbol Rate 27500
- 12382 Horizontal, Symbol Rate 27500

Once a valid Transponder is selected the bright blue 'Lock' LED should light showing the S501 has a Lock.

Press the 'OK' button, the S501 will now display signal quality/strength.

Again perform an 'Auto Scan' of the Horizontally Polarised Transponders by pressing the Green button. A list of Transponders will begin to populate as the Auto Scan progresses. Transponders will either be listed as 'OK' (these will be Horizontally Polarised Transponders carrying Wideband signals) or 'NG' (Transponders that are either non-Wideband or Vertically Polarised).

Notes:

- Not all Transponders carry Wideband signals
- Keep a note of Transponders that give a 'Lock & OK' on the Wideband LNB setting
- Use the 'Add a Satellite' feature of the S501 Meter (perhaps called 'WB\_Astra 28.2') to differentiate from the regular KU Transponders
- Transponders alter from time to time; prune the dead Transponders & add new Transponders as required
- Current KU Band Transponders can be found at:
  - <https://www.lyngsat.com/Astra-2E-2F-2G.html>