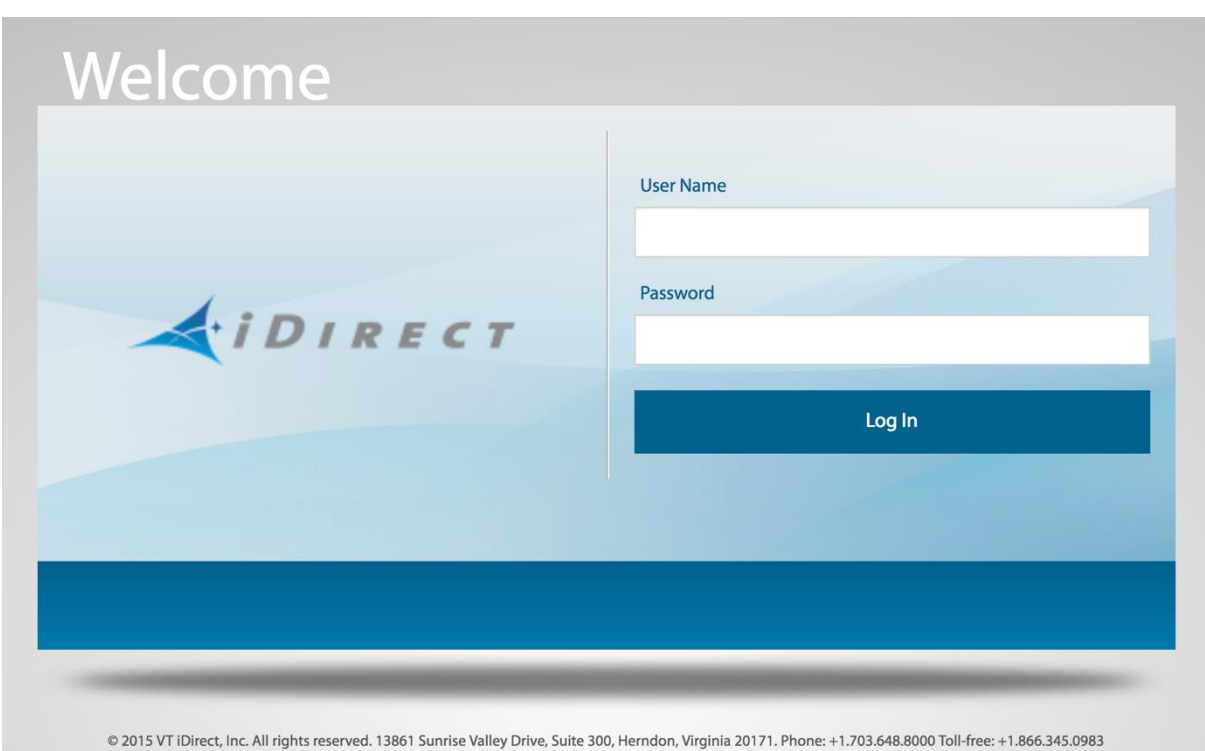
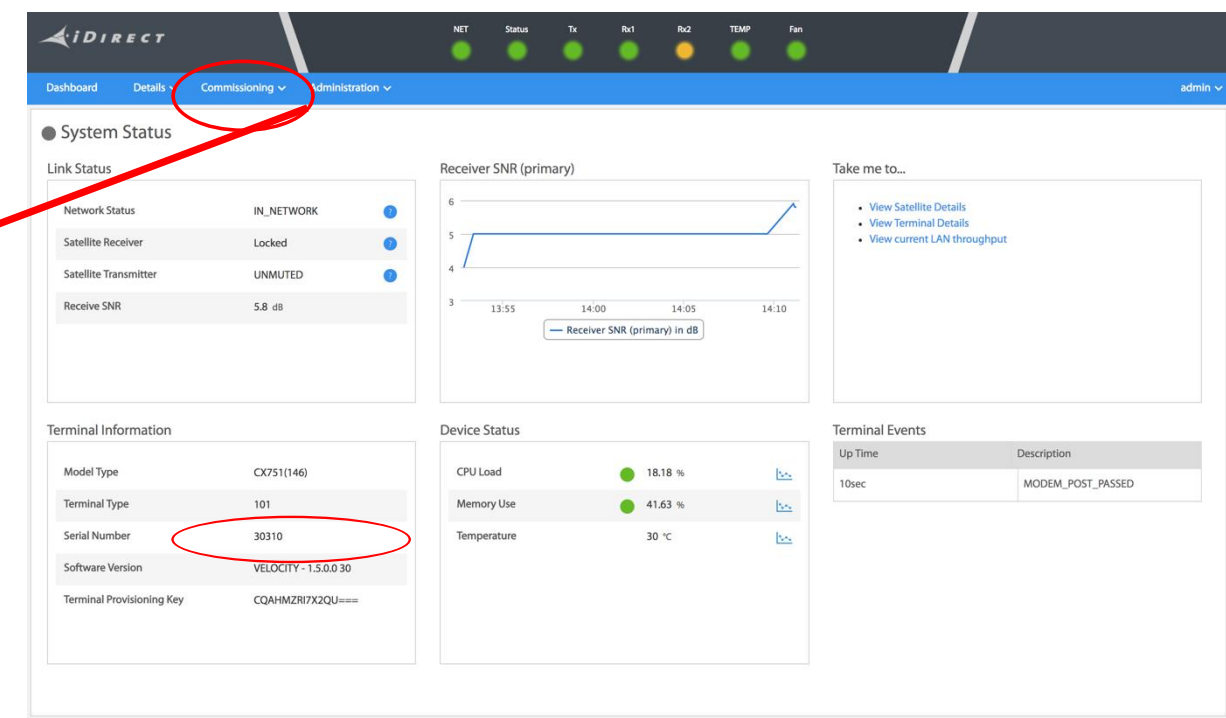
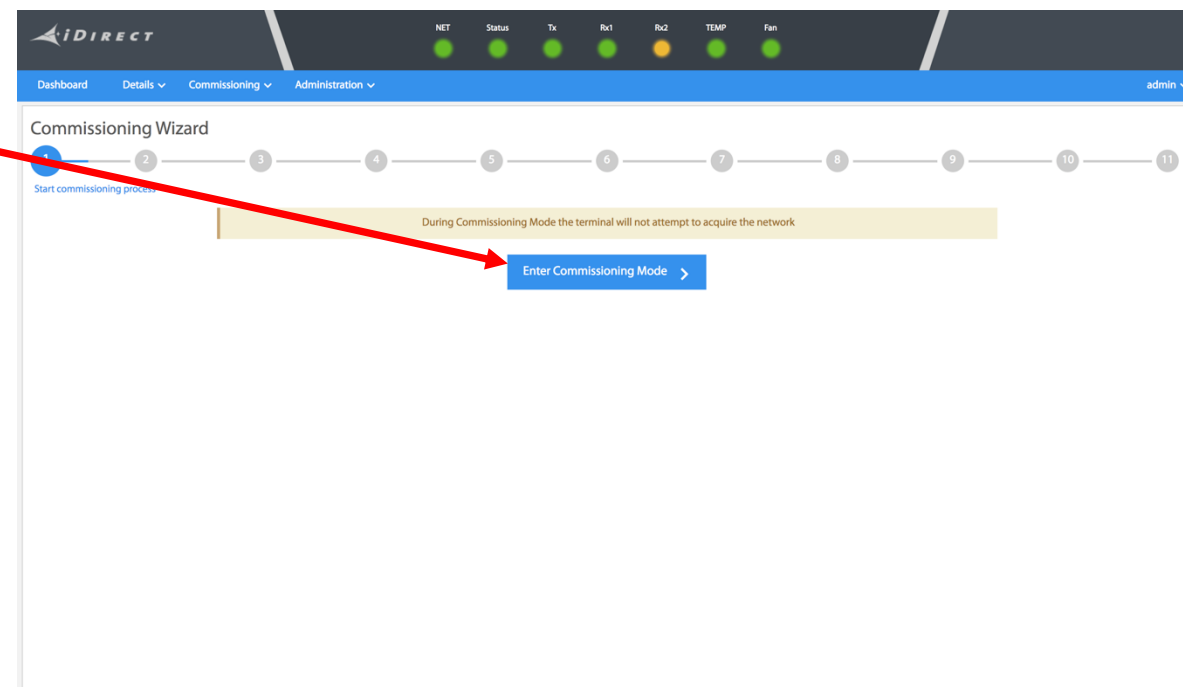


<p>Ouvrir la page web sur 192.168.0.1</p>	
<p>User Name: admin Password: iDirect</p>	
<p>Sélectionner "Commissioning Wizard" depuis le menu déroulant</p> <p>Vérifier le Modem Serial Number pour s'assurer qu'il n'y a pas eu d'erreur dans le numéro de série indiqué à DSD</p>	
<p>Sélectionner "Enter Commissioning Mode"</p>	



### Guide de configuration et d'activation d'un modem iDirect IQ

Charger le logiciel Velocity Software 2.0.1.2  
 Si vous ne l'avez pas sur votre PC, vous le trouverez sur notre site web : [Télécharger ici](#)

Manage Software Packages

Upload Software Package: [Select Files...](#) Installing... 100%

Software	Package Name	Creation Date	Version	
active1	Evolution Remote	03/13/2018	21.0.0.4-44	<a href="#">Activate Software Package</a>
active0	Evolution Remote	03/13/2018	21.0.0.4-44	<a href="#">Activate Software Package</a>
factory	Evolution Remote	03/13/2018	21.0.0.4-44	Software package is currently active

Configuration Files [Continue without changes](#) [Continue](#)

Une fois que le modem aura rebooté, activer le logiciel de type Velocity Remote puis rebooter à nouveau le modem

Manage Software Packages

Upload Software Package: [Select Files...](#)

1 Success 0 Errors 0 Warnings  
 1 action was successfully completed  
 • The release has been activated.

Partition	Type	Description	Version	
active1	Evolution Remote	iDirect Remote Terminal Application	21.0.0.4-44	<a href="#">Activate Software Package</a>
active0	Velocity Remote	iDirect Remote Terminal Application	2.0.0.1-3477	<a href="#">Activate Software Package</a>
factory	Evolution Remote	iDirect Remote Terminal Application	21.0.0.4-44	Software package is currently active

Configuration Files

Description	Filename	Version	Date	Size		
iDirect manual configuration	downstream_config.json		01/01/1970	366	<a href="#">Upload Configuration File</a>	<a href="#">Download Configuration File</a>
iDirect remote configuration	falcon.opt			0	<a href="#">Upload Configuration File</a>	<a href="#">Download Configuration File</a>

[Continue without changes](#) [Continue](#)

Décompresser l'archive .ZIP que vous avez reçu de DSD par email et qui contient 4 fichiers  
 Uploader chacun des 4 fichiers de configuration pour remplacer les fichiers existants

Commissioning Wizard

1 2 3 4 5 6 7 8 9 10 11  
 Manage Software Packages & Configuration Files

Manage Software Packages [Reboot Terminal](#)

Upload Software Package: [Select Files...](#)

Software	Package Name	Creation Date	Version	
Release1	CK7xx_rootfs_rmt_ga_1.2.2.0-23.pkg	2016.06.02-01:28:28	1.2.2.0	<a href="#">Activate Software Package</a>
Release2	CK7xx_rootfs_rmt_ga_1.2.2.0-24.pkg	2016.06.03-01:00:16	1.2.2.0	<a href="#">Activate Software Package</a>
Release4	CK7xx_rootfs_rmt_1.5.0.0-30.pkg	2017.04.14-08:10:07	1.5.0.0	Software package is currently active

Configuration Files

Description	Filename	Version	Date	Size		
iDirect remote minimum configuration	TERMINAL_OPT	V1.4.0.0	04/07/2017		<a href="#">Upload Configuration File</a>	<a href="#">Download Configuration File</a>
iDirect remote Global PKI configuration	GLOBAL_PKI	2.0	09/28/2016	134	<a href="#">Upload Configuration File</a>	<a href="#">Download Configuration File</a>
iDirect remote constellation configuration	CONSTELLATION_OPT	V1.4.0.0	04/13/2017	998	<a href="#">Upload Configuration File</a>	<a href="#">Download Configuration File</a>
iDirect remote LAN configuration	TERMINAL_LAN_OPT	V1.4.0.0	01/31/2017	102	<a href="#">Upload Configuration File</a>	<a href="#">Download Configuration File</a>

[Continue without changes](#) [Continue](#)

Entrer les informations du satellite que vous devez pointer ex: IS-19 @ 160 E  
 IS-33 @ 66° East  
 IS-37 @ 18° West

Sélectionner "Save remote location and continue"

Commissioning Wizard

1 2 3 4 5 6 7 8 9 10 11  
 Coarse antenna pointing

Please adjust the values on the left in order to calculate the coarse antenna pointing on the right.

Remote Position

Remote Latitude: 41.5216 \* (0 - 90)  
 Remote Latitude Direction: North  
 Remote Longitude: \* (0 - 180)  
 Remote Longitude Direction: East

Antenna

Elevation Offset: 0.0000 \* (0 - 90)

Calculated coarse antenna pointing

Elevation Actual: 5.2 degrees (Actual = True - Offset)  
 Azimuth True: 102.7 ° (Geographic north = 0°)  
 Polarization Offset: -46.9 ° (Polarization Angle Sense)  
 Elevation True: 5.2 ° (Horizontal = 0° Straight up = +90°)

Satellite Position

Satellite Longitude: 0.0000 \* (0 - 180)  
 Satellite Longitude Direction: East

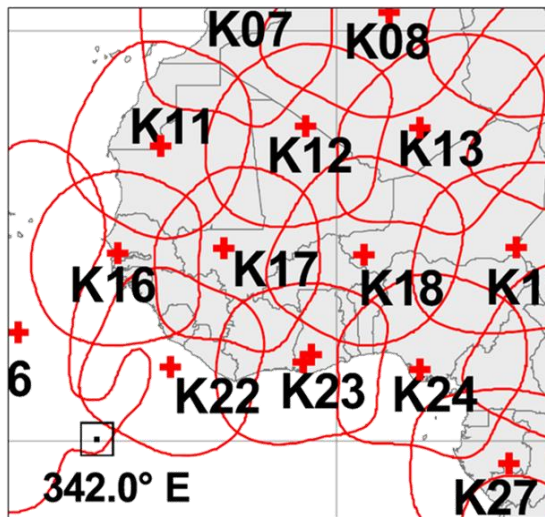
[Save remote location and continue](#)

Liste des fréquences de pointage selon le Beam sur lequel la configuration de votre modem a été établie d'après le nom de ville et/ou les coordonnées GPS que vous avez donné à DSD lors de votre demande d'abonnement

BEAM	Frequency	Symbol Rate	Bitmask	RxPol	TxPal
FUS-IS33-C4L-K17H.C1	12182.950	10140	6	Horizontal	Vertical
FUS-1S33-C4L-K60H.C1	11521.593	15000	6	Horizontal	Vertical
FUS-IS33-C4L-K61H.C1	11151,31	22730	6	Horizontal	Vertical
FUS-IS37-KaiL-K11V.C1	12700.525	14820	5	Vertical	Horizontal
FUS-IS37-KaiL-K12V.C1	11481.233	30120	5	Vertical	Horizontal
FUS-IS37-KaiL-K16H.C1i	11673.936	14820	5	Horizontal	Vertical
FUS-IS37-KaiL-K17H.C1	12606.755	14820	5	Horizontal	Vertical
FUS-1S37-KaiL-K22V.C1	11155.713	9650	5	Vertical	Horizontal
FUS-1S37-KaiL-K23H.C1i	11173.079	15640	6	Horizontal	Vertical

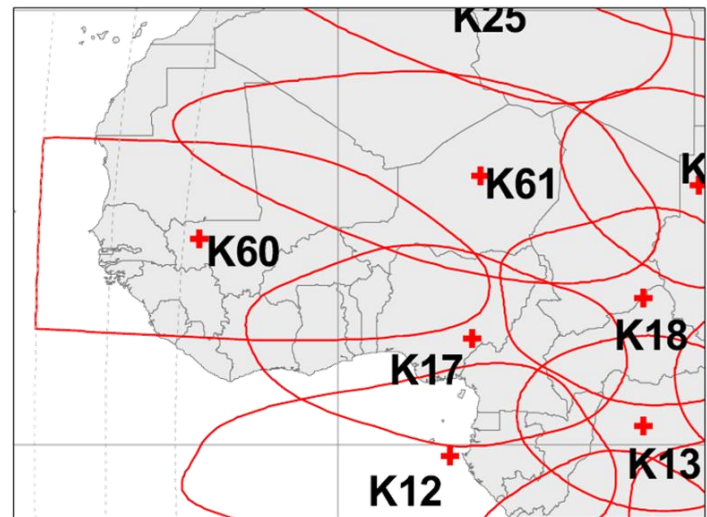
**IS-37e:**

**Beams: K11, K12, K16, K17, K22, K23**



**IS-33e:**

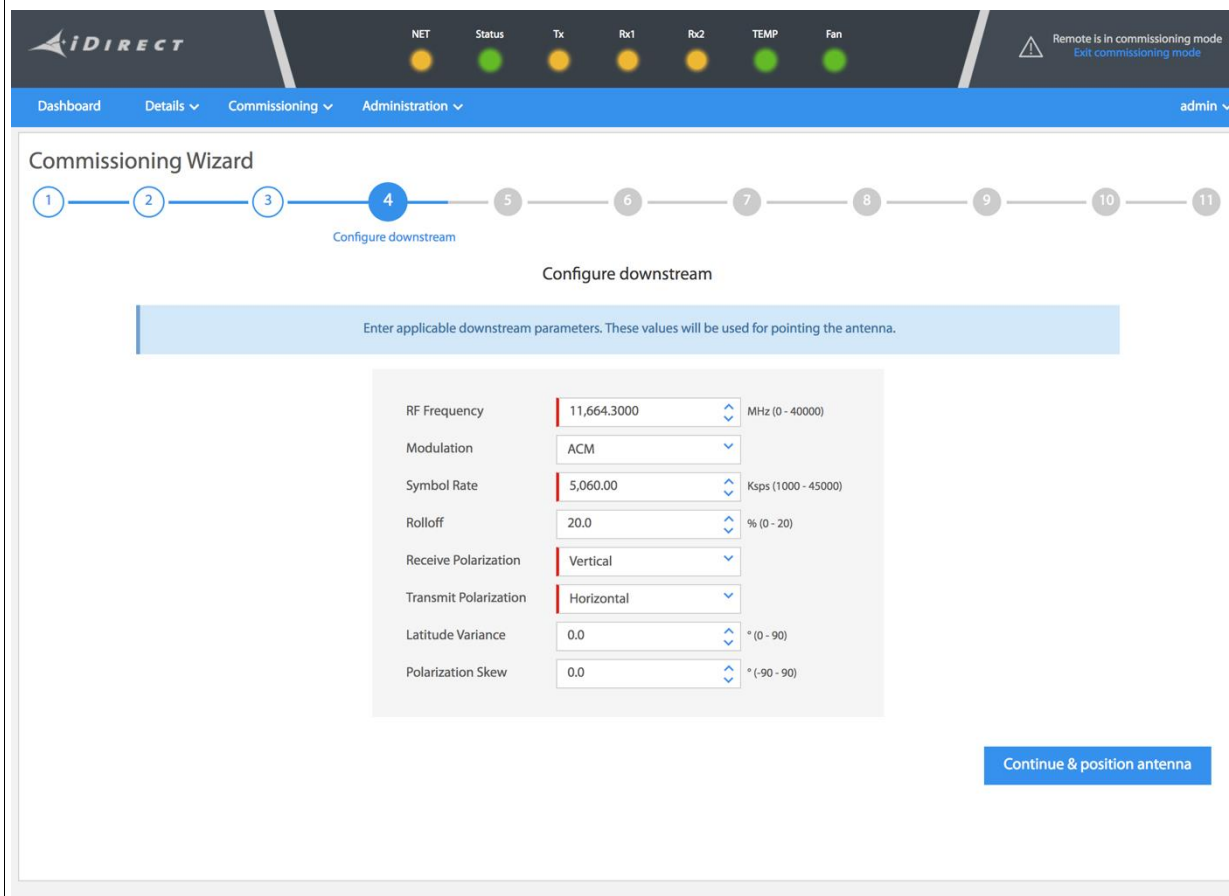
**Beams: K17, K60, K61**



Recopier les informations envoyées par DSD:

- RF Frequency-
- Mhz
- Modulation-
- Symbol rate-
- Rolloff-
- Receive Polarization-
- Transmit Polarization-
- Vous devez entrer "0" pour la « Latitude Variance » et aussi pour la « Polarization Skew » (c'est un bug iDirect)

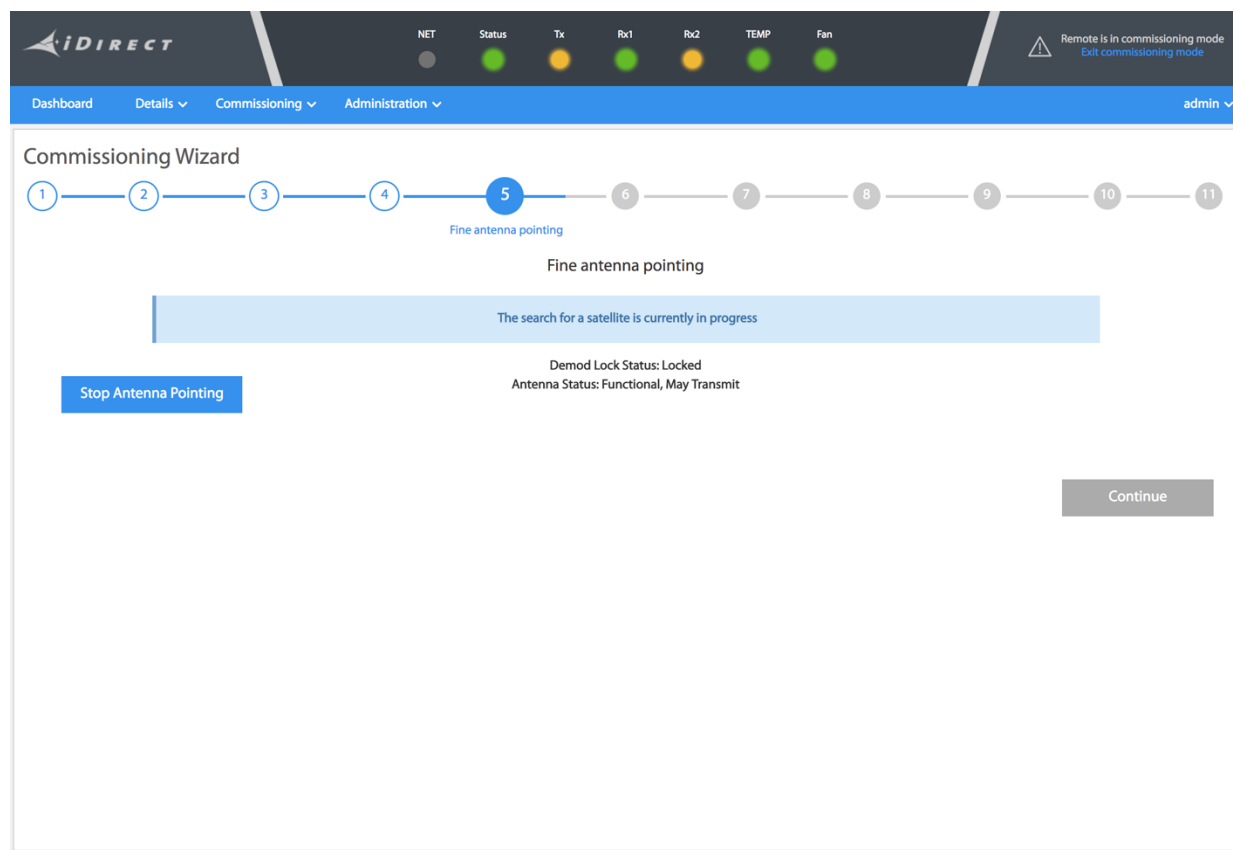
Sélectionner "Continue and position antenna"



Maintenant vous pouvez pointer l'antenne vers le satellite, vous avez fini avec la configuration:  
À la fin du pointage vous avez:

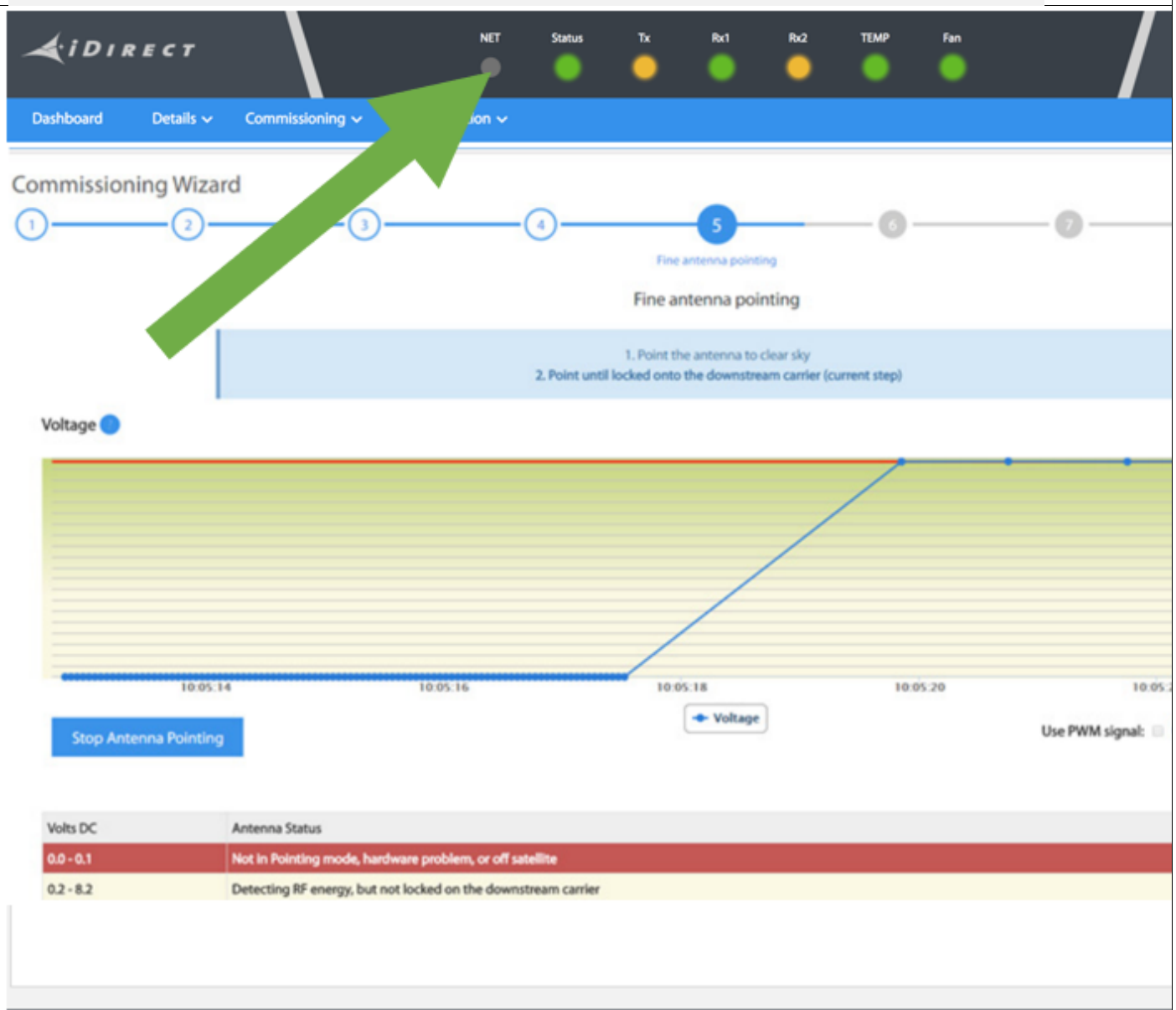
- Demod Lock Status: Locked
- Antenna Status: Functional, May Transmit

Enfin:  
Sélectionner "Stop Antenna Pointing"



**Important** : À la fin du pointage il faut attendre 1 minute que le NET devienne vert fixe ou clignotant

Une fois que le Net est vert alors Sélectionner "Continue"





## Guide de configuration et d'activation d'un modem iDirect IQ

Sélectionner  
"Continue"

(page inutile)

The screenshot shows the iDirect Commissioning Wizard interface. At the top, there is a status bar with indicators for NET, Status, Tx, Rx1, Rx2, TEMP, and Fan. Below this is a navigation menu with 'Dashboard', 'Details', 'Commissioning', and 'Administration'. The main content area displays a progress bar with 11 steps, where step 6 is highlighted. The title of the current step is 'Contact NOC'. A yellow warning box contains the text: 'Please verify that: Tx Cable is attached to BUC. Please contact your NOC before proceeding to the cross polarization and P1dB tests.' A blue 'Continue' button with a right-pointing arrow is located at the bottom center.

Select "Skip"

(page inutile)

The screenshot shows the iDirect Commissioning Wizard interface at step 7, 'Cross polarization test'. The progress bar at the top shows step 7 is active. The main content area is titled 'Cross polarization test' and contains two configuration sections: 'CW Transmit Frequency' and 'Transmit Power'. The 'CW Transmit Frequency' section includes fields for 'RF Uplink Frequency' (0.000000 MHz), 'BUC LO Frequency' (13050 MHz), and 'L-Band Tx Frequency' (-13050.000000 MHz). The 'Transmit Power' section includes a field for 'Adjust L-Band Transmit Power' (-35.0 dBm). A red warning box contains the text: 'Do not turn signal on until instructed to do so by the NOC. Obtain the 'RF Uplink Frequency' above from the satellite provider. Verify the L-Band Tx Frequency with the network help desk operator. In order to start Cross Pol/P1 dB test, the Remote needs to have downstream lock.' Below this, a blue box states: 'Once started, this modem will start transmitting a signal as configured above.' At the bottom, there are two buttons: 'Turn on signal' and 'Turn off signal and complete'. At the very bottom right, there are 'Skip' and 'Continue' buttons.

**Mesure du point de compression P1dB**

Appeler DSD qui vous fournira la fréquence de test et entrer la fréquence:

- RF Uplink Frequency
- Modulation: CW

Sélectionner "Turn on Signal"

DSD vous guidera et vous dira quelle valeur entrer comme Transmit Power

- Sélectionner "Apply"
- Suivre les instructions jusqu'à la fin de la mesure du point P1dB
- Écrire la valeur du P1dB mesurée par DSD et qui vous sera indiquée

Sélectionner "Turn off signal and complete"

**Mesure de la puissance Max de transmission**

DSD vous indique les valeurs à entrer:

- RF Uplink Frequency
- Modulation: BPSK
- Symbol Rate

DSD vous indique quelle valeur de L Band Transmit Power entrer

- Sélectionner "Apply"
- Continuer à suivre les instructions de DSD jusqu'à la fin des mesures
- Ecrire la valeur indiquée par DSD au niveau du Max Transmit

The screenshot shows the 'P1dB test' configuration screen in the iDirect Commissioning Wizard. The progress bar indicates step 8 is active. The configuration includes:

- Transmit Frequency:** RF Uplink Frequency (14,242.000000 MHz), BUC LO Frequency (13050 MHz), L-Band Tx Frequency (1192.000000 MHz).
- Modulator:** Modulation (CW), Symbol Rate (Ksps (128 - 7500)).
- Transmit Power:** Adjust L-Band Transmit Power (-23 dBm (-35 - 3)).

A warning message states: "Do not turn signal on until instructed to do so by the NOC. Obtain the 'RF Uplink Frequency' above from the satellite provider. Verify the L-Band Tx Frequency with the network help desk operator. In order to start Cross Pol/P1 dB test, the Remote needs to have downstream lock." Below this, a blue bar says "Once started, this modem will start transmitting a signal as configured above." The "Turn on signal" button is highlighted in blue.

The screenshot shows the 'P1dB test' configuration screen in the iDirect Commissioning Wizard. The progress bar indicates step 8 is active. The configuration includes:

- Transmit Frequency:** RF Uplink Frequency (14,242.000000 MHz), BUC LO Frequency (13050 MHz), L-Band Tx Frequency (1192.000000 MHz).
- Modulator:** Modulation (BPSK), Symbol Rate (128.000 Ksps (128 - 7500)).
- Transmit Power:** Adjust L-Band Transmit Power (-23.0 dBm (-35 - 3)).

A warning message states: "Do not turn signal on until instructed to do so by the NOC. Obtain the 'RF Uplink Frequency' above from the satellite provider. Verify the L-Band Tx Frequency with the network help desk operator. In order to start Cross Pol/P1 dB test, the Remote needs to have downstream lock." Below this, a blue bar says "Please use the 'Apply changes' button after adjusting the configuration above in order to take effect". The "Apply changes" button is highlighted in blue.

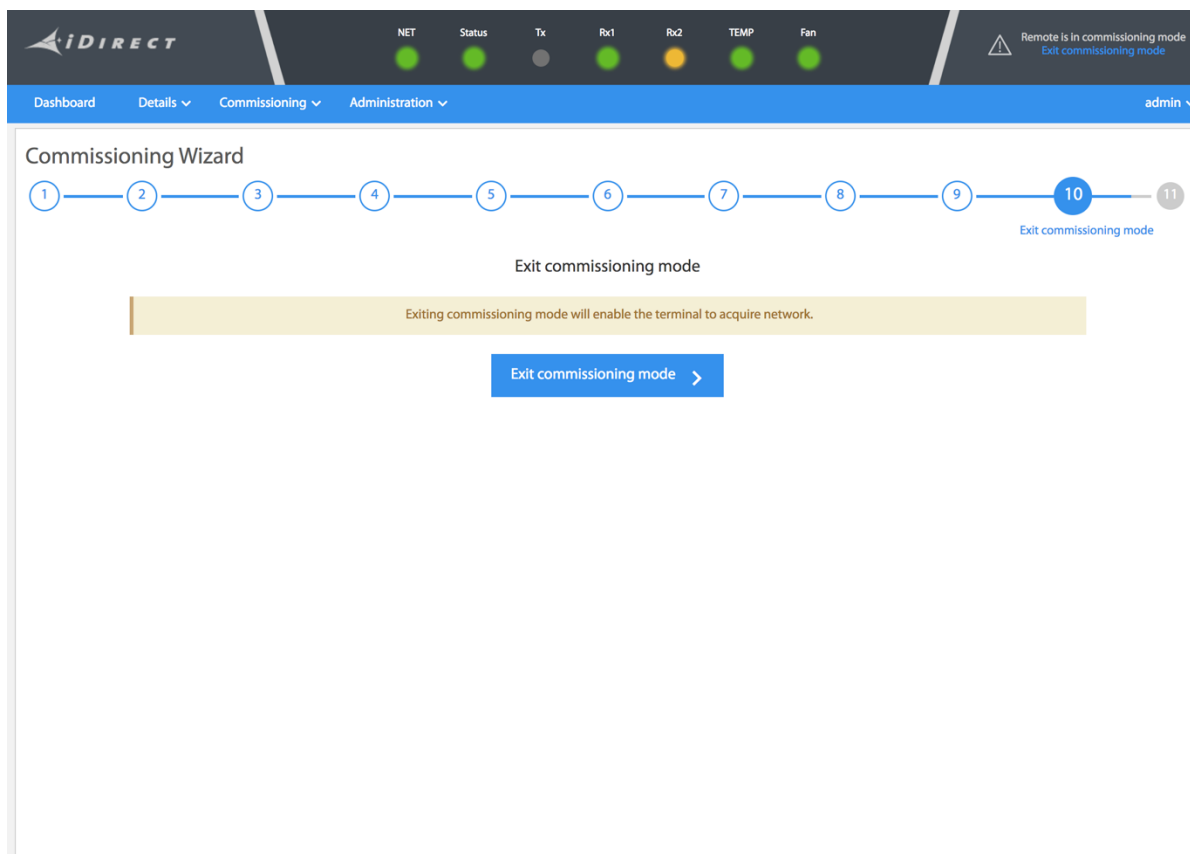
Sélectionner "Turn off signal and complete"



Une fois que les valeurs du « p1dB Compression Point » et du « Maximum Transmit Power » sont entrées

Sélectionner "Continue"

Sélectionner "Exit commissioning mode"





## Guide de configuration et d'activation d'un modem iDirect IQ

Sélectionner "Return to dashboard"

**BRAVO, VOUS AVEZ FINI!**

The screenshot displays the iDirect web interface. At the top, there is a status bar with indicators for NET, Status, Tx, Rx1, Rx2, TEMP, and Fan. Below this is a navigation menu with options: Dashboard, Details, Commissioning, and Administration. The main content area is titled "Commissioning Wizard" and shows a progress bar with 11 steps. Step 11 is highlighted, indicating completion. A green checkmark and the text "Commissioning successfully completed" are displayed. Below this, a green box contains the message: "Commissioning complete. If operational network is active, modem can now acquire into network. Please check LEDs or the Terminal Dashboard for acquisition status." A blue button labeled "Return to dashboard" with a right-pointing arrow is positioned at the bottom of the green box.