



NewsSpotter
Service Specification
NewsSpotter Check Portal

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NewsSpotter Check Portal

Purpose

This document is aimed at providing the service specifications for the Check Portal for NewsSpotter Services on KA-SAT.

Target Group

This documentation is targeted to those readers requiring a technical overview of the NewsSpotter Check Portal available through the new KA-SAT Satellite infrastructure specifically designed for NewsSpotter applications.

The present release contains confidential information and shall be treated as such.

Document History

Version number	Version date	Author	Approved/Verified by	Note
2.0	16/07/2014	Skylogic Technical Dept.	Natale Lettieri, Roberto Vitalone	Upgrade to the Check Portal v. 2
1.2	11/02/2013	Skylogic Technical Dept.	Natale Lettieri, Roberto Vitalone	General Information updated
1.1	04/06/2012	Skylogic Technical Dept.	Natale Lettieri, Roberto Vitalone	<ul style="list-style-type: none">• Line Quality Test• FAQ
1.0	16/03/2012	Skylogic Technical Dept.	Natale Lettieri, Roberto Vitalone	First Issue

Check Portal

NewsSpotter Customers are able to use the Check Portal Web Interface to provide their End-

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Users with UT and Video Sessions information updated every 15 minutes (pseudo real-time); the RF UT information are updated every 60 seconds when a scheduled Session is on-air. The higher refresh rate starts two hours before the Session and at the end of the Session, the refresh rate comes back to 15 minutes.

A manual refresh of the web page is needed for updating the values.

End-Users can display basic UT and Video Sessions information connecting to the URL <http://checkportal.skylogicnet.com>. The End-User's Account is recognized based on the IP of the CPE which connects to the web page.



Check Portal

Equipment Information

User Terminal MAC	AA:AA:AA:AA:AA:AA
Your IP Address	120.0.0.1
Upload SNR	0 dB (last update: 01/07/2014 05:48:53 UTC)
Download SNR	0 dB (last update: 01/07/2014 05:48:53 UTC)
Home Channel Symbol Rate	-
Max PHYSICAL Return Channel Speed	-
Current Beam	44
Max Return Channel Speed	- (last update: 01/07/2014 05:48:53 UTC)

*: When no Video Session is in progress, the Max Return Channel Speed cannot exceed 4.096 Mbps.

Video Sessions

Session ID	Date (UTC)	Duration (hh:mm)	Forward (Mbps)	Return (Mbps)	Predicted Beam	Session State
No "On Air" or "Future" Video Sessions booked.						

Only "On Air" and "Future" Video Sessions are being displayed.

In case of technical support, please contact Skylogic at [+39 011 2738552](tel:+390112738552)

[Line Quality Test](#)

THE Check Portal Page

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General information

The information available to End-Users is divided in two categories:

- **Equipment information**
 - User Terminal MAC
 - CPE's IP address
 - Upload SNR
 - Download SNR
 - Home Channel Symbol Rate
 - Max Physical Return Channel Speed
 - Current Beam
 - Max Return Channel Speed
- **Video Sessions:** the On Air and Future booked sessions are displayed with the following specification:
 - Session ID
 - Date (UTC)
 - Duration (hh:mm)
 - Forward (Mbps)
 - Return (Mbps)
 - Predicted Beam
 - Session State
- Performance of the satellite access service through the **Line Quality Test**

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1 Equipment Information

User Terminal MAC	AA:AA:AA:AA:AA:AA
Your IP Address	120.0.0.1
Upload SNR	12.9 dB (last update: 04/07/2014 10:37:03 UTC)
Download SNR	11.36 dB (last update: 04/07/2014 10:37:03 UTC)
Home Channel Symbol Rate	10000 Ksps
Max PHYSICAL Return Channel Speed	-
Current Beam	34
Max Return Channel Speed	- (last update: 04/07/2014 10:37:03 UTC)

*: When no Video Session is in progress, the Max Return Channel Speed cannot exceed 4.096 Mbps.

2 Video Sessions

Session ID	Date (UTC)	Duration (hh:mm)	Forward (Mbps)	Return (Mbps)	Predicted Beam	Session State
1111	04/07/2014 07:30	10:00	0	1.024	34	On Air

Only "On Air" and "Future" Video Sessions are being displayed.

In case of technical support, please contact Skylogic at [+39 011 2738552](tel:+390112738552)

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Line Quality Test

General Information

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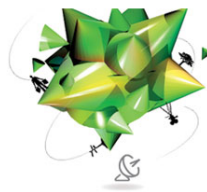
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Line Quality Test

Via the Check Portal, End-Users can access to the Line Quality Test: by clicking on “Line Quality Test” link, the page in Figure below appears.

[Check Portal](#)



LINE QUALITY TEST

This application enables you to measure the performance of your satellite access service.

Before starting the test, we kindly ask you to stop any other data transfer and to shut down any program that may use your connection (e.g. other web page browsing, peer-to-peer programs, e-mail clients or file downloads).

In order to have more accurate results, it is also preferable to directly connect your PC to the satellite terminal using an Ethernet cable and to shutdown your wireless connection.

[Begin Line Quality Test!](#)

[FAQ](#)

Line Quality Test

By clicking on “Begin Line Quality Test!” link, the following tests are available:

- **Packet Loss:** the test consists in sending UDP packets from the client to the server and evaluating how many of them arrive. This packet loss percentage is a key metric for quality in real-time network applications such as VoIP
- **Latency (Round Trip Time) and Jitter:** the Line Quality Test measures the Latency as the average Round Trip Time for TCP packets sent to the server. The Jitter indicates how much the latency measurements vary from each other
- **Download and upload:** measures of download and upload rates

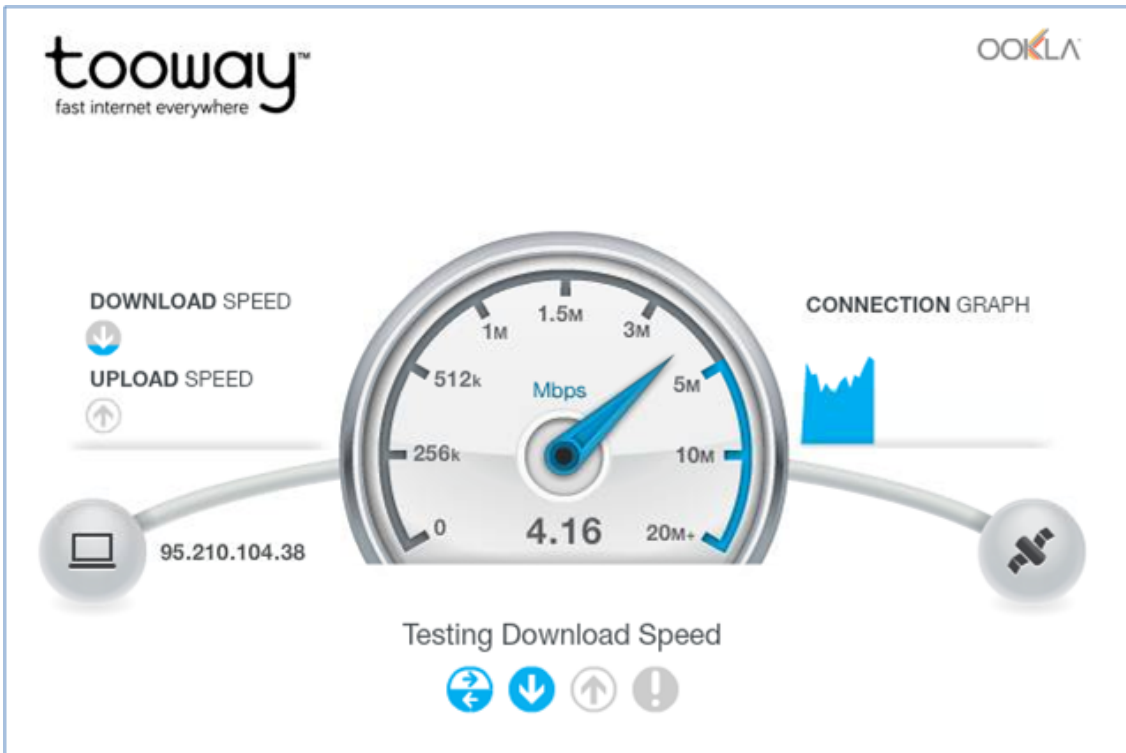
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and display how the Line Quality Test works.



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[Restart Test](#)

Latency

760 ms

Jitter

58 ms

Packet Loss

Packets Sent: 100

Packets Received: 100

Packet Loss: 0%

Speed

Download Speed: 4.53 Mbps

Upload Speed: 6.06 Mbps

Client: 95.210.104.38

Last Result:
Download Speed: 4529 kbps (566.1 KB/sec transfer rate)
Upload Speed: 6055 kbps (756.9 KB/sec transfer rate)
Latency: 760 ms
Jitter: 58 ms
Packet Loss: 0%
Mon 25 Aug 2014 01:03:46 PM UTC

Test Results

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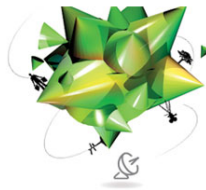
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FAQs

By clicking on the “FAQ” link (see Figure below) it is possible to display a group of questions and answers about the Line Quality Test similar to the ones in [FAQS PAGE Figure](#).

Check Portal



LINE QUALITY TEST

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[Begin Line Quality Test!](#)



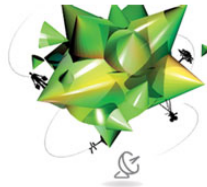
Check Portal Link to the FAQs Page

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Check Portal



Frequently Asked Questions

How does the Line Quality Test work?

How is the Download Speed calculated?

How is the Upload Speed calculated?

How is the Latency calculated?

How is the Jitter calculated?

How is the Packet Loss calculated?

Why the speed value grows in the speedometer display?

The results I get from the Line Quality Test differ from results I get on other public speed test websites. Why?

Is the Line Quality Test affected by the FAP peak rate limitation?

Client Requirements

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