

Information Management Application for STB SDP160 log data

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INTRODUCTION

Nowadays Cuba is immersed in a process of Digital Television deployment, for which the knowledge of the signal behavior over time in various locations is indispensable.

Having a tool to supervise and register signal levels, would ensure a better service.

INTRODUCTION



**STB with specific firmware
develop by LACETEL**

Event Signal Report

**Signal to Noise Report
86 400 samples per day**

**Signal Level Report
2 592 000 samples per month**

Information Management Application

- ✓ Event Signal Report
- ✓ Signal to Noise Report
- ✓ Signal Level Report



Information Management Application

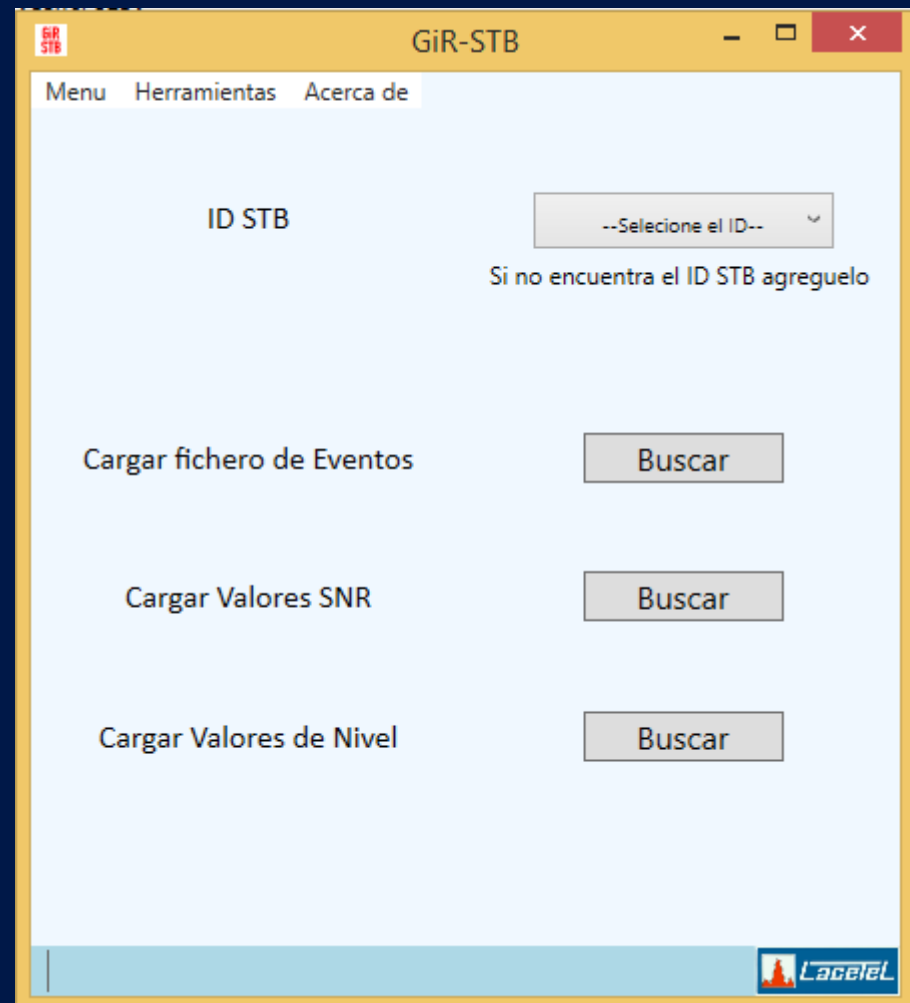


☐ Brand / Model

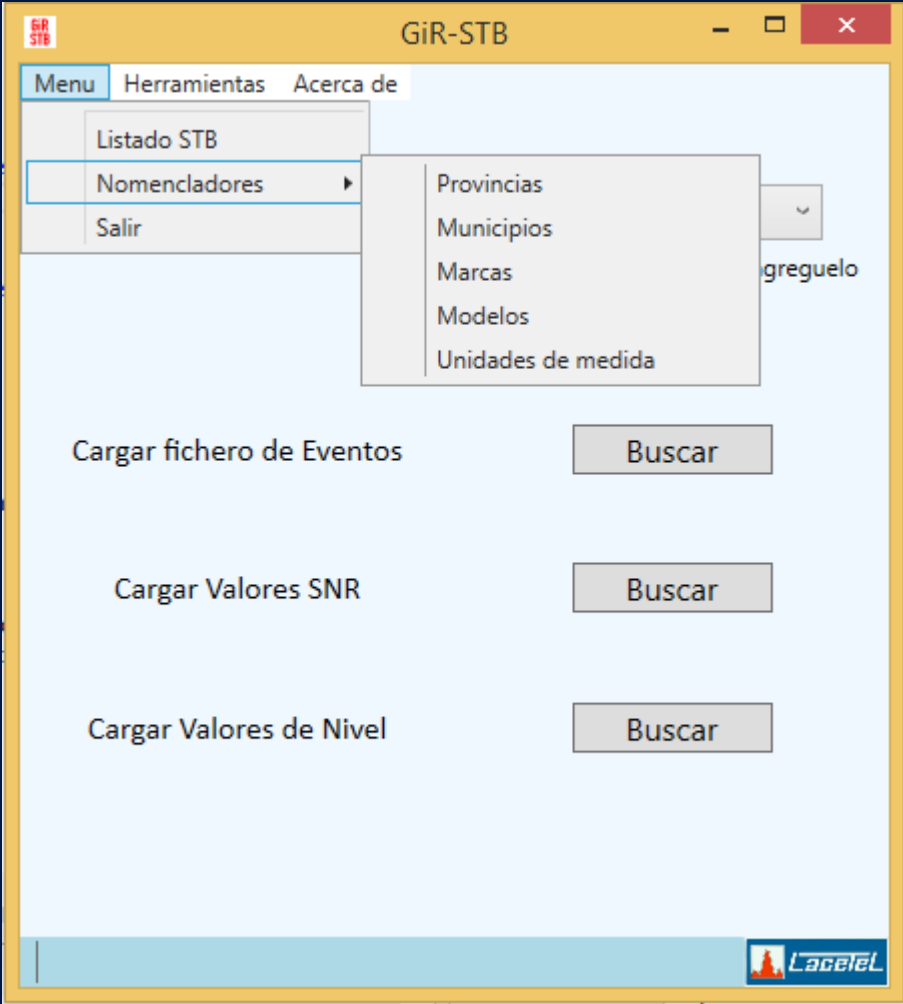
☐ Province / Municipality

☐ Coordinates

Information Management Application GiR-STB



Information Management Application



STB list View

Listado de STB

ID STB

Marca

Provincia

Modelo

Municipio

Limpiar

Buscar

	S/N	Marca	Modelo	Provincia	Municipio	Latitud	Longitud
<input type="checkbox"/>	STB0001	SOYEA	SDP160	PINAR DEL RÍO	C.DEL SUR	23.035548	-82.40381
<input type="checkbox"/>	STB0002	SOYEA	SDP160	ARTEMISA	ALQUÍZAR	22.878934	-82.240459
<input type="checkbox"/>	STB0003	SOYEA	SDP160	LA HABANA	BOYEROS	22.821159	-82.76562
<input type="checkbox"/>	STB0004	SOYEA	SDP160	MAYABEQUE	BEJUCAL	22.888996	-81.838125
<input type="checkbox"/>	STB0005	SOYEA	HDP160	PINAR DEL RÍO	LA PALMA	22.894971	-82.964614
<input type="checkbox"/>							

Adicionar

Modificar

Eliminar



Event Report View

GR STB

Registro de Eventos

ID STB

--Seleccione el ID--

Fecha

Select a date

15

Select a date

15

Provincia

--Seleccione la Provincia--

Marca

--Seleccione la Marca--

Limpiar

Exportar

Municipio

--Seleccione el Municipio--

Modelo

--Seleccione el Modelo--

Buscar

S/N	Marca	Modelo	Fecha	Evento	Provincia	Municipio
01010105	SOYEA	SDP160	6/13/2017 6:04:00 AM	Variation from 19dB to 16dB	MAYABEQUE	SAN NICOLÁS
01010105	SOYEA	SDP160	6/13/2017 6:03:00 AM	Variation from 0dB to 19dB	MAYABEQUE	SAN NICOLÁS
01010105	SOYEA	SDP160	6/13/2017 6:03:00 AM	SNR 19dB	MAYABEQUE	SAN NICOLÁS
01010105	SOYEA	SDP160	6/13/2017 6:03:00 AM	Return of Signal	MAYABEQUE	SAN NICOLÁS
01010105	SOYEA	SDP160	6/13/2017 6:03:00 AM	SNR less than 14dB	MAYABEQUE	SAN NICOLÁS
01010105	SOYEA	SDP160	6/13/2017 6:03:00 AM	No Signal	MAYABEQUE	SAN NICOLÁS
01010105	SOYEA	SDP160	6/13/2017 6:02:00 AM	Variation from 20dB to 16dB	MAYABEQUE	SAN NICOLÁS
01010105	SOYEA	SDP160	6/13/2017 6:02:00 AM	Variation from 0dB to 20dB	MAYABEQUE	SAN NICOLÁS
01010105	SOYEA	SDP160	6/13/2017 6:01:00 AM	SNR 0dB	MAYABEQUE	SAN NICOLÁS
01010105	SOYEA	SDP160	6/13/2017 6:01:00 AM	Return of Signal	MAYABEQUE	SAN NICOLÁS
01010105	SOYEA	SDP160	6/13/2017 6:01:00 AM	SNR less than 14dB	MAYABEQUE	SAN NICOLÁS
01010101	SOYEA	SDP160	6/14/2017 5:02:00 AM	Variation from 22dB to 25dB	PINAR DEL RÍO	GUANE
01010101	SOYEA	SDP160	6/14/2017 5:01:00 AM	Variation from 16dB to 22dB	PINAR DEL RÍO	GUANE
01010101	SOYEA	SDP160	6/14/2017 5:01:00 AM	Variation from 25dB to 16dB	PINAR DEL RÍO	GUANE
01010101	SOYEA	SDP160	6/14/2017 3:34:00 AM	Variation from 18dB to 21dB	PINAR DEL RÍO	GUANE
01010101	SOYEA	SDP160	6/14/2017 3:33:00 AM	Variation from 16dB to 21dB	PINAR DEL RÍO	GUANE
01010101	SOYEA	SDP160	6/14/2017 3:32:00 AM	Variation from 22dB to 17dB	PINAR DEL RÍO	GUANE
01010101	SOYEA	SDP160	6/14/2017 3:31:00 AM	Variation from 0dB to 22dB	PINAR DEL RÍO	GUANE
01010101	SOYEA	SDP160	6/14/2017 3:31:00 AM	SNR 22dB	PINAR DEL RÍO	GUANE
01010101	SOYEA	SDP160	6/14/2017 3:31:00 AM	Return of Signal	PINAR DEL RÍO	GUANE
01010101	SOYEA	SDP160	6/14/2017 3:31:00 AM	SNR less than 14dB	PINAR DEL RÍO	GUANE
01010101	SOYEA	SDP160	6/14/2017 3:31:00 AM	No Signal	PINAR DEL RÍO	GUANE
01010101	SOYEA	SDP160	6/14/2017 3:29:00 AM	Variation from 17dB to 20dB	PINAR DEL RÍO	GUANE
01010101	SOYEA	SDP160	6/14/2017 3:28:00 AM	Variation from 16dB to 20dB	PINAR DEL RÍO	GUANE
01010101	SOYEA	SDP160	6/14/2017 3:27:00 AM	Variation from 0dB to 16dB	PINAR DEL RÍO	GUANE
01010101	SOYEA	SDP160	6/14/2017 3:27:00 AM	SNR 16dB	PINAR DEL RÍO	GUANE



Signal Level Report View

[illegible]

CONCLUSIONS

The desktop Application GiR – STB would be a complement for the SDP160 decoder box with the modified firmware; because it will allow to manage the information provided by these decoders.

RECOMMENDATIONS

- Incorporate an external data base.
- Incorporate graphics for dynamically display the results.
- Develop a Web variant, facilitating communication between data insertion centers and a central server.



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