



***Information Management
Application for STB SDP160
log data***

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INTRODUCTION

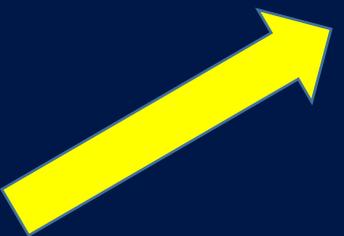
Nowadays Cuba is immersed in a process of Digital Television deployment, for which the knowledge of the signal behavior over time in various locations is indispensable.

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

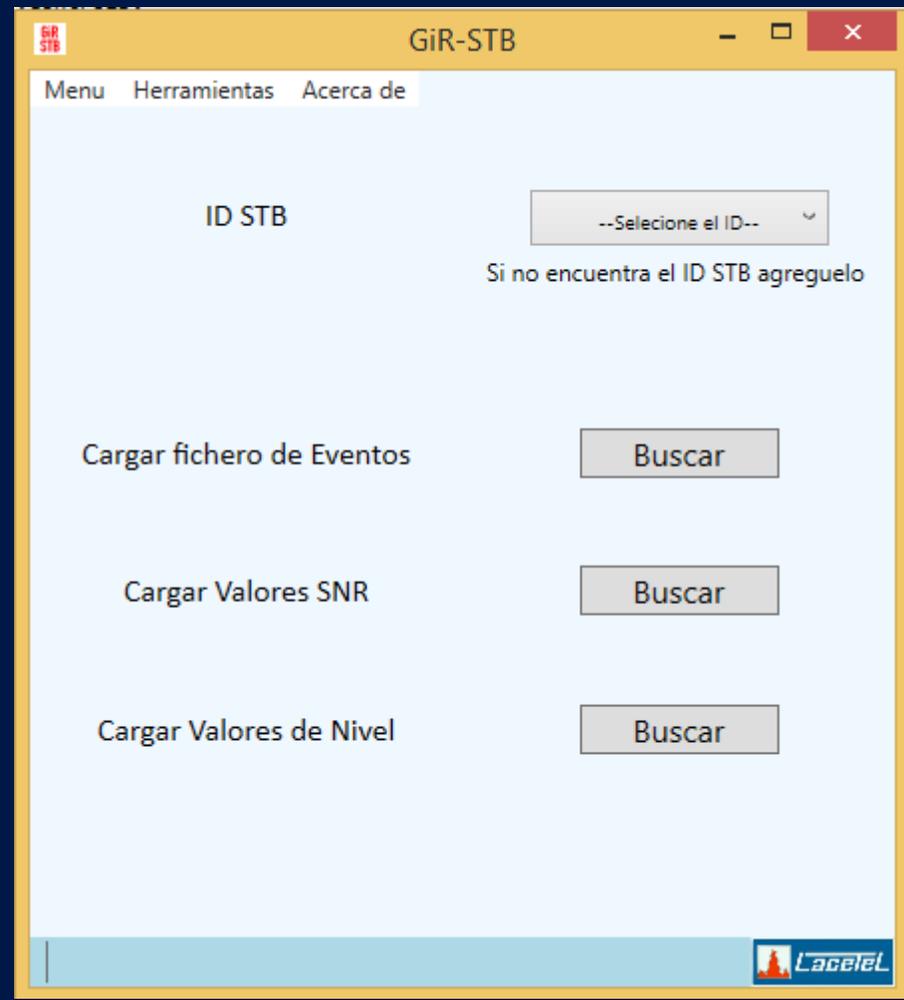


Information Management Application

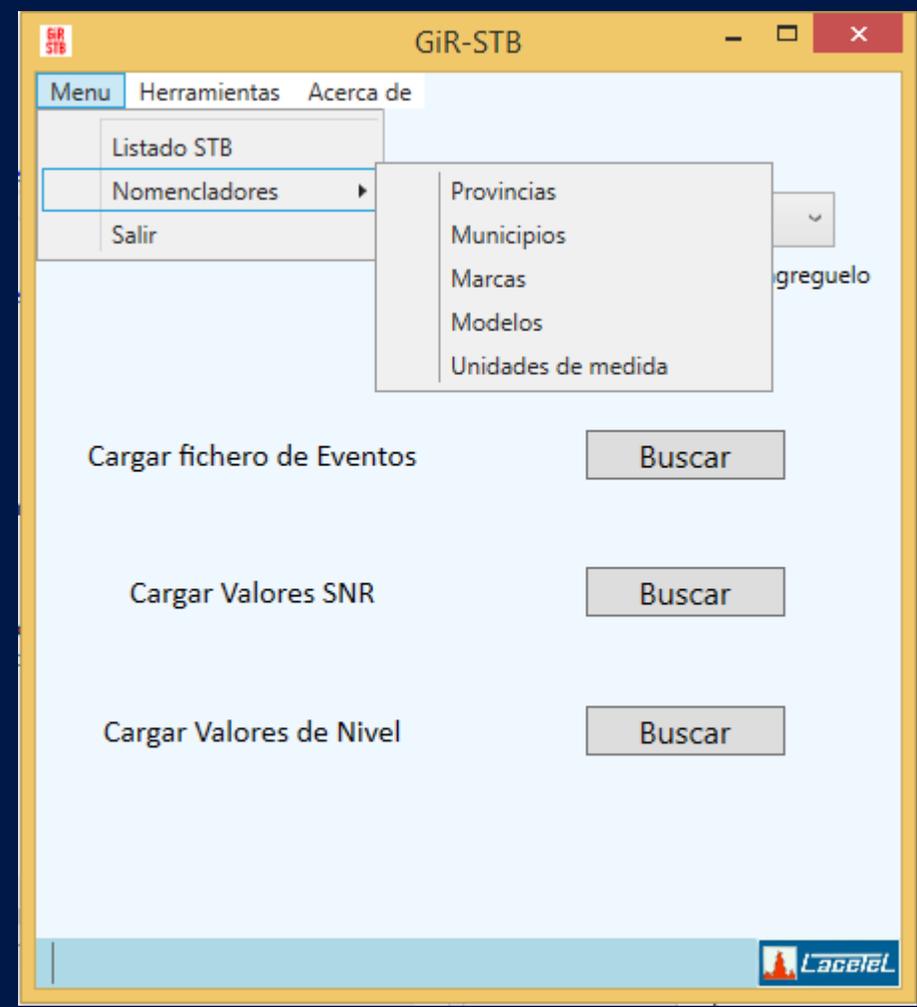


- Brand / Model
- Province / Municipality
- Coordinates

Information Management Application GiR-STB



Information Management Application



STB list View

Listado de STB

ID STB: Marca:

Provincia: Modelo:

Municipio:

	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"/>							

Event Report View

GiR-STB

Menu Herramientas Acerca de

ID STB

Si no encuentra el ID STB ag

Cargar fichero de Eventos

Cargar Valores SNR

Cargar Valores de Nivel

Registro de Eventos

ID STB Fecha

Provincia Marca

Municipio Modelo

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



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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