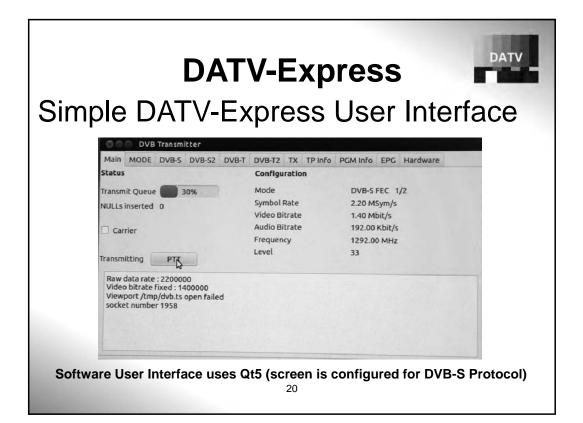


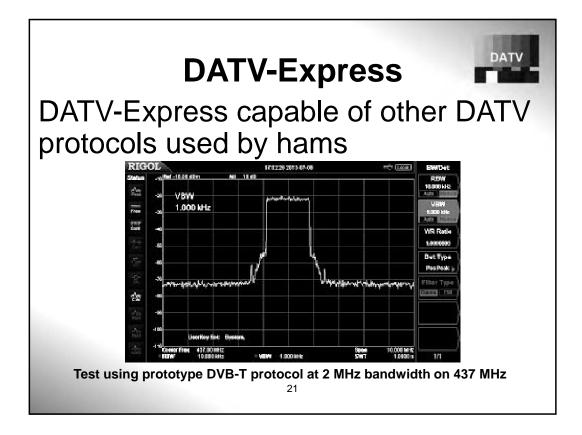
## **DATV-Express**

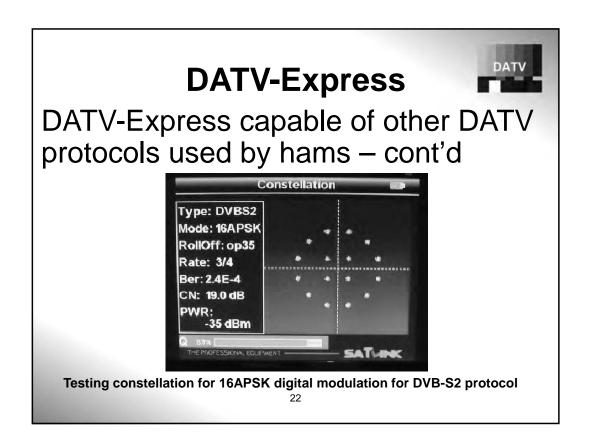


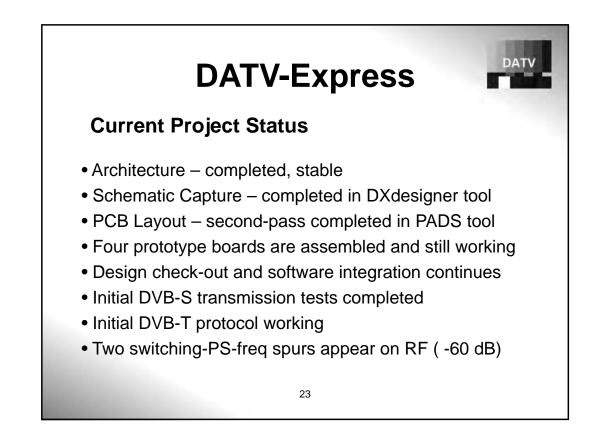
## Bench Test RF Measurements for DVB-S

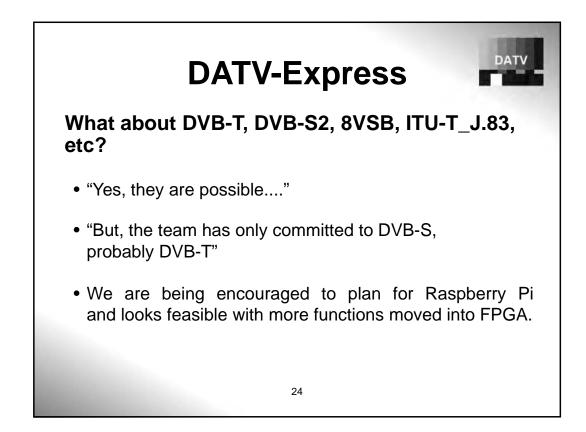
DATV-Express exciter Menu Power-level setting	Kuhne first-amp spectrum level	Spectrum Analyzer RBW setting	"distortion shoulder" below main carrier	Down East 2nd-amp spectrum level	Spectrum Analyzer RBW setting	"distortion shoulder" below main carrier	Down East Power Measurement (HP 432A)	
							Output dBm	Output W
20	- 12 dBm	300 KHz	NONE				N/A	
30	- 3 dBm	300 KHz	NONE				N/A	
40	+ 8 dBm	300 KHz	NONE				N/A	
46	+ 15 dBm	300 KHz	- 34 dB				N/A	
The above spectrum analy values account for 20 dB attentuation								
20	N/A			+ 22 dBm	300 KHz	NONE	N/A	
25	N/A			+ 28 dBm	300 KHz	- 35 dB	N/A	
30	N/A			+ 31 dBm	300 KHz	- 32 dB	36.3 dBm	4.3 W
33	N/A			+ 32 dBm	300 KHz	- 30 dB	38.8 dBm	7.6 W
35	N/A			+ 35 dBm	300 KHz	- 28 dB	40.3 dBm	10.7 W
	The above spectrum reading account for 40 dB of externa attenuation		10 dB of external					
				19				











## **DATV-Express**



## **Conclusion and Plans**

- Ubuntu 32/64 Code is essentially finished
- Finish tweaking FPGA code
- · Looking for volunteers to help with software tasks
- Finish etch-clean-up "pre-production" layout (third layout)
- Source files will be freely available with no restrictions (Software, FPGA coding, Schematic, PADS-files, etc)
- DATV-Express team on target for ~ten pre-production DVB-S boards with Ubuntu for alpha testers...late October.

