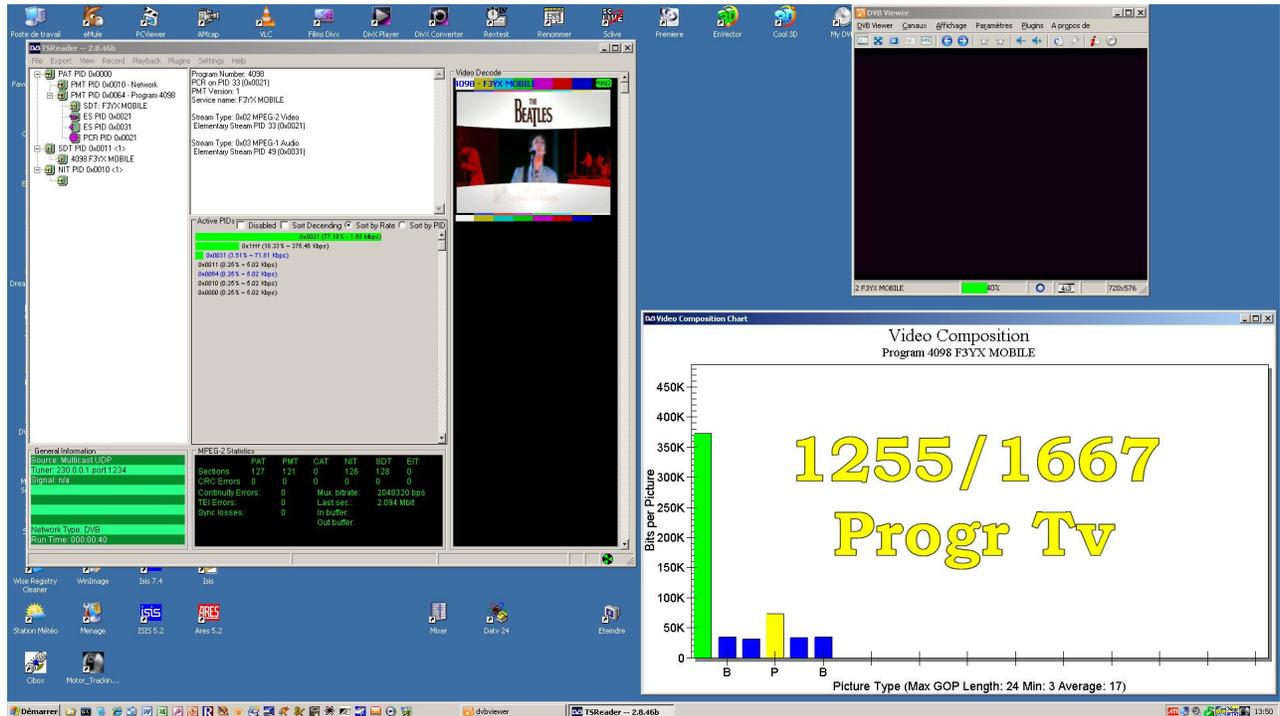
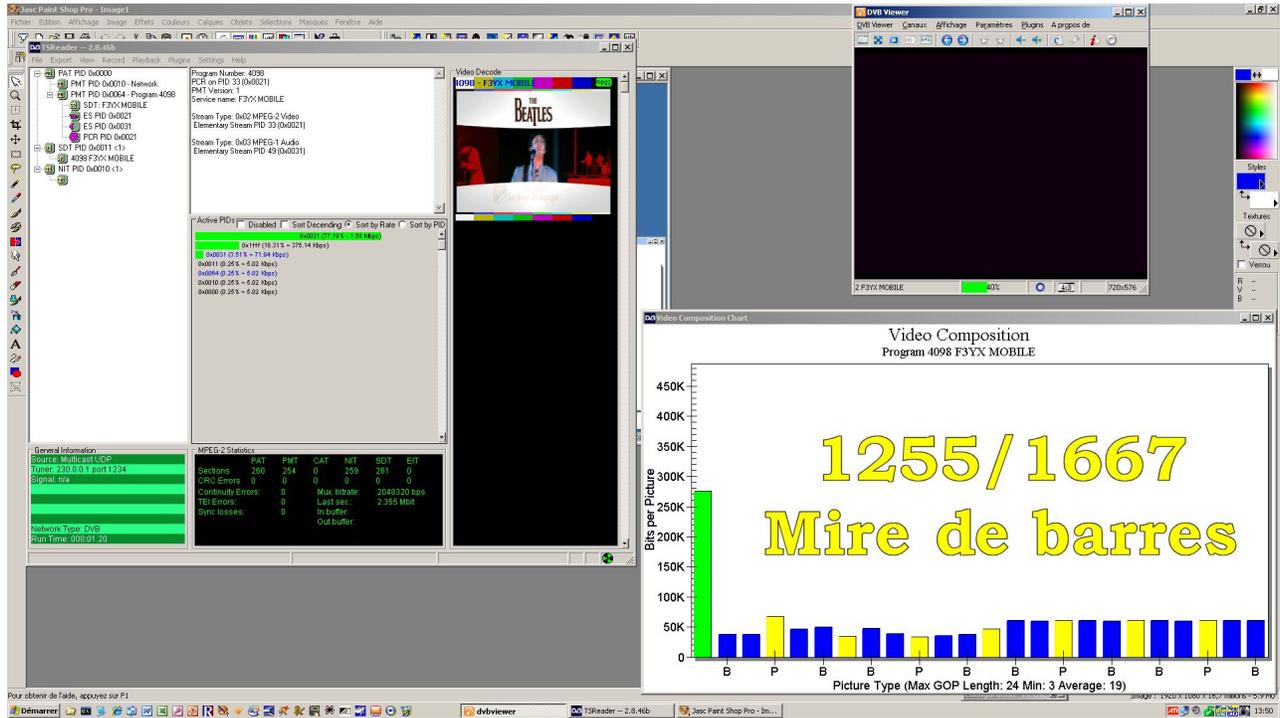
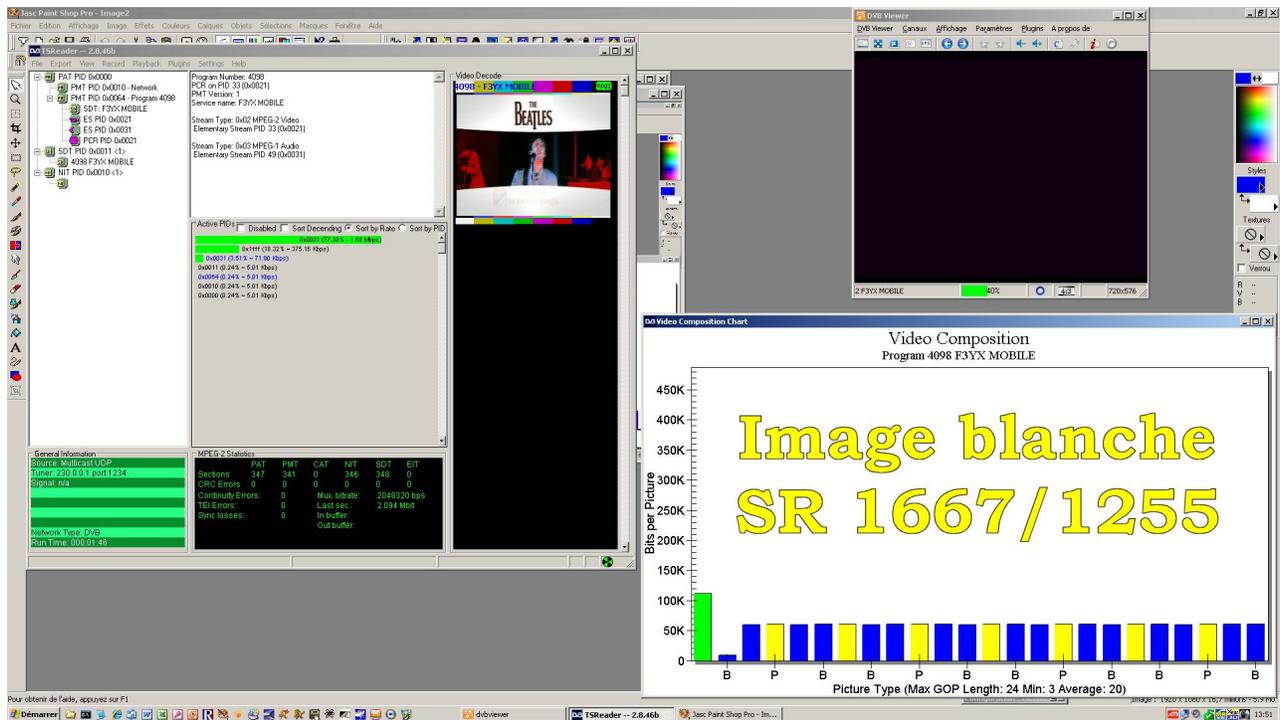
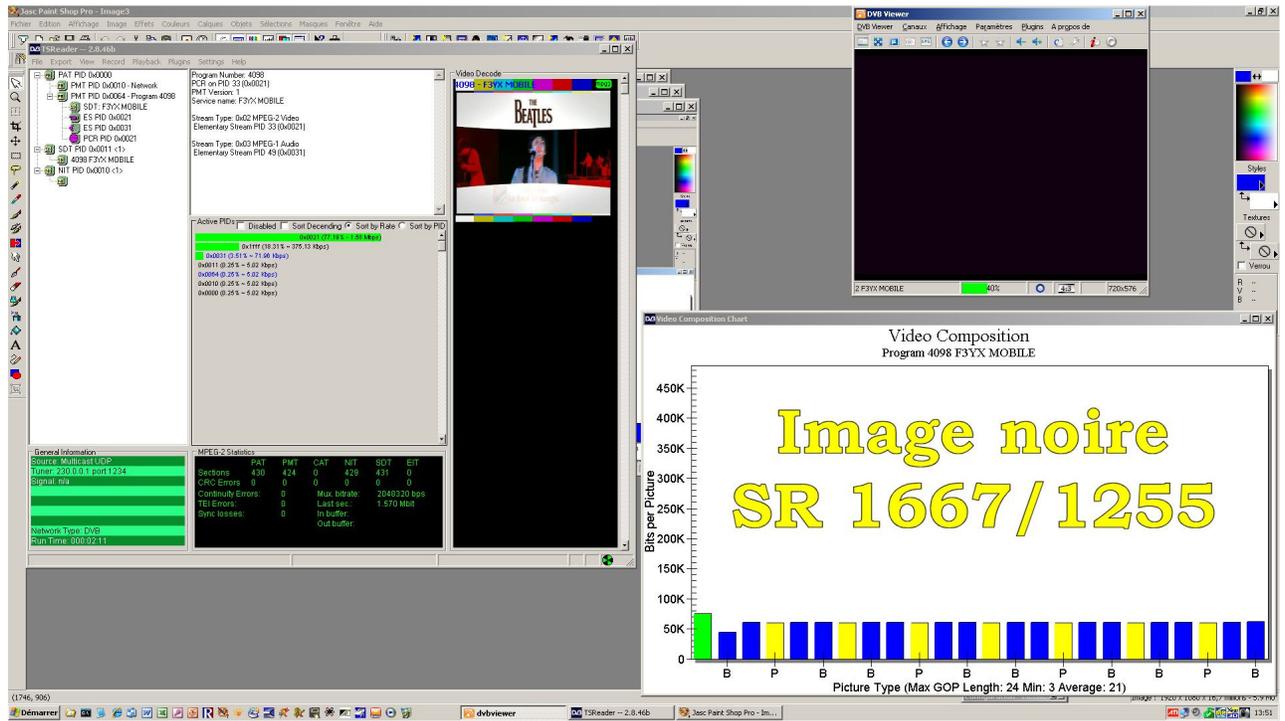


# Essais DATV Minimod

## 1) Débit 1667, fréquence 1255.





## 2) Débit 2000 Fréquence 1255 Fec 3/4

**DVB-TSReader -- 2.8.46b**

File Export View Record Playback Plugins Settings Help

PAT PID 0x0000  
 PMT PID 0x0010 - Network  
 PMT PID 0x0064 - Program 4098  
 SDT PID 0x0011 <1>  
 NIT PID 0x0010 <1>

Program Number: 4098  
 PCR on PID 33 (0x0021)  
 PMT Version: 1  
 Service name: F3YX MOBILE

Stream Type: 0x02 MPEG-2 Video  
 Elementary Stream PID 33 (0x0021)

Stream Type: 0x03 MPEG-1 Audio  
 Elementary Stream PID 49 (0x0031)

Video Decode  
 4098 - F3YX MOBILE  
 F3YX DATU  
 mp2

Active PIDs:  Disabled  Sort Decending  Sort by Rate  Sort by PID

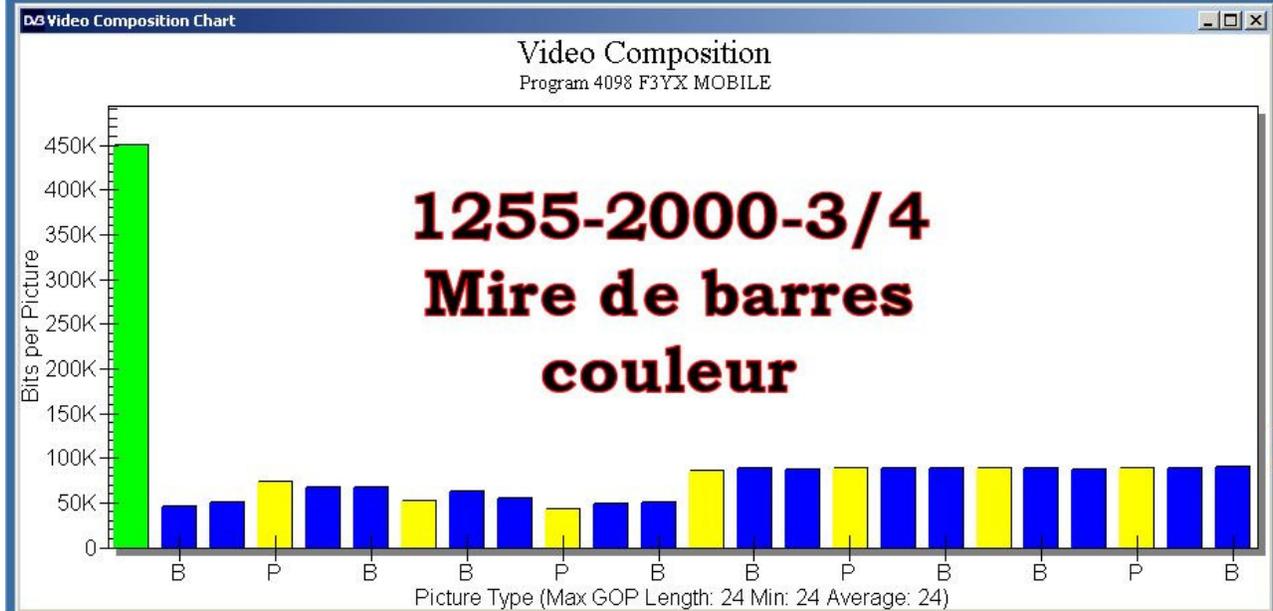
- 0x0021 (83.23% ~ 2.30 Mbps)
- 0x1fff (13.46% ~ 371.75 Kbps)
- 0x0031 (2.60% ~ 71.88 Kbps)
- 0x0011 (0.18% ~ 4.98 Kbps)
- 0x0064 (0.18% ~ 4.98 Kbps)
- 0x0010 (0.18% ~ 4.98 Kbps)
- 0x0000 (0.18% ~ 4.98 Kbps)

General Information  
 Source: Multicast UDP  
 Tuner: 230.0.0.1 port 1234  
 Signal: n/a

Network Type: DVB  
 Run Time: 000:00:25

MPEG-2 Statistics

	PAT	PMT	CAT	NIT	SDT	EIT
Sections	78	72	0	77	79	0
CRC Errors	0	0	0	0	0	0
Continuity Errors:	0			Mux. bitrate:	2764679 bps	
TEI Errors:	0			Last sec.:	2.617 Mbit	
Sync losses:	0			In buffer:		
				Out buffer:		



TSReader -- 2.8.46b

File Export View Record Playback Plugins Settings Help

Elementary Stream PID 33 (0x0021) MPEG-2 Video  
 MPEG Video: Bitrate 2.198 Mbps Resolution 720 x 576i  
 MPEG Video: FrameRate 25 fps Aspect Ratio 4:3 Chroma Format 4:2:0

Video Decode  
 4098 F3YX MOBILE  
 F3YX DATA  
 For more info, visit the page on the main message board

Active PIDs: Disabled | Sort Descending | Sort by Rate | Sort by PID

- 0x0021 (63.25% - 2.30 Mbps)
- 0x1fff (13.42% - 371.10 kbps)
- 0x0031 (2.80% - 71.97 kbps)
- 0x0011 (0.18% - 5.01 kbps)
- 0x0064 (0.18% - 5.01 kbps)
- 0x0010 (0.18% - 5.01 kbps)
- 0x0000 (0.18% - 5.01 kbps)

General Information

Source: Multicast UDP  
 Tuner: Z30.0.0.1 port 1234  
 Signal: n/a

Network Type: DVB  
 Run Time: 000:07:03

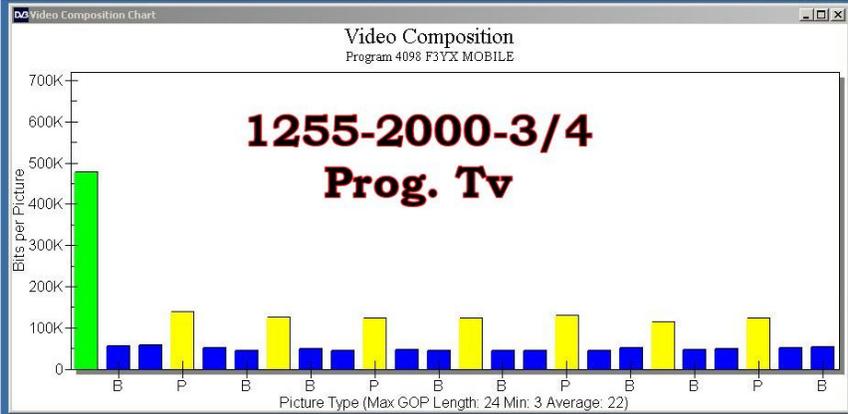
MPEG-2 Statistics

	PAT	PMT	CAT	NIT	SDT	EIT
Sections:	1.4k	1.4k	0	1.4k	1.4k	0
CRC Errors:	0	0	0	0	0	0
Continuity Errors:	0			Max bitrate:	2764679 tps	
TBI Errors:	0			Last sec.:	2.617 Mbit	
Sync losses:	0			In buffer:		
				Out buffer:		

DVB Viewer

DVB Viewer Canaux Affichage Paramètres Plugins A propos de

4 F3YX MOBILE 40% 43 720x576



TSReader -- 2.8.46b

File Export View Record Playback Plugins Settings Help

PAT PID 0x0000  
 PMT PID 0x0010 · Network  
 PMT PID 0x0064 · Program 4098  
 SDT PID 0x0011 <1>  
 NIT PID 0x0010 <1>

Program Number: 4098  
 PCR on PID 33 (0x0021)  
 PMT Version: 1  
 Service name: F3YX MOBILE

Stream Type: 0x02 MPEG-2 Video  
 Elementary Stream PID 33 (0x0021)

Stream Type: 0x03 MPEG-1 Audio  
 Elementary Stream PID 49 (0x0031)

Video Decode  
 4098 - F3YX MOBILE  
 F3YX DATU

Active PIDs: Disabled Sort Descending Sort by Rate Sort by PID

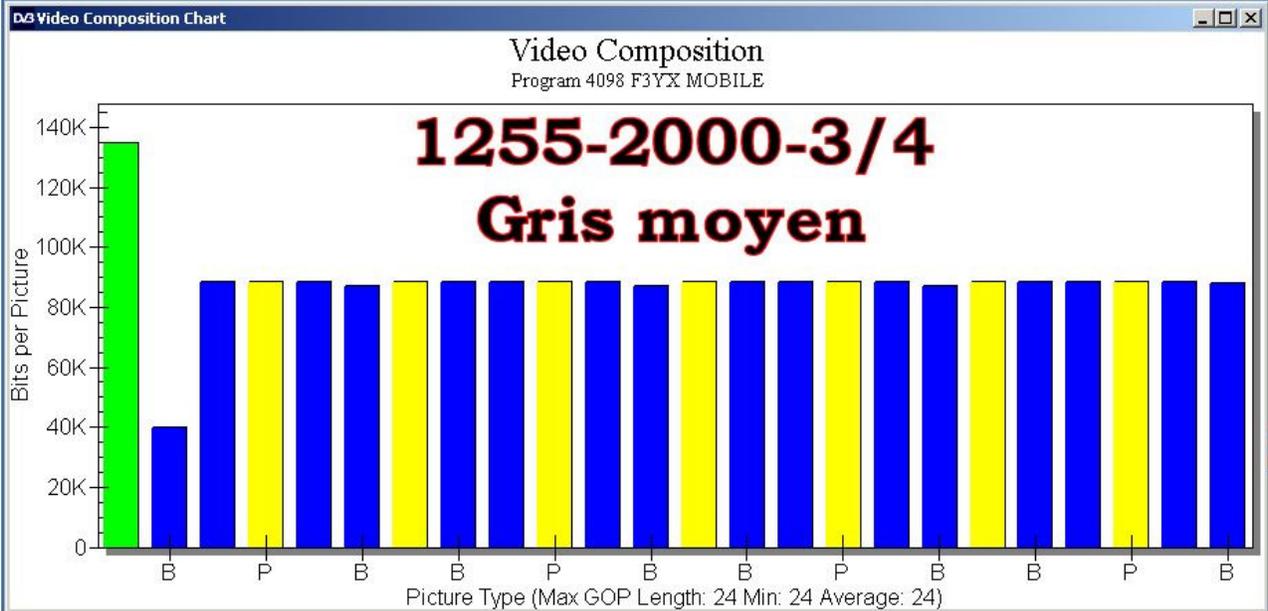
- 0x0021 (83.24% ~ 2.30 Mbps)
- 0x1fff (13.44% ~ 371.57 Kbps)
- 0x0031 (2.59% ~ 71.56 Kbps)
- 0x0011 (0.18% ~ 5.03 Kbps)
- 0x0064 (0.18% ~ 5.03 Kbps)
- 0x0010 (0.18% ~ 5.03 Kbps)
- 0x0000 (0.18% ~ 5.03 Kbps)

General Information  
 Source: Multicast UDP  
 Tuner: 230.0.0.1 port 1234  
 Signal: n/a

Network Type: DVB  
 Run Time: 000:00:26

MPEG-2 Statistics

	PAT	PMT	CAT	NIT	SDT	EIT
Sections	81	75	0	80	82	0
CRC Errors	0	0	0	0	0	0
Continuity Errors:	0				Mux. bitrate: 2764679 bps	
TEI Errors:	0				Last sec.: 2.355 Mbit	
Sync losses:	0				In buffer:	
					Out buffer:	



### 3) Débit 4000, Fréquence 1255, Fec 3/4

TSReader -- 2.8.46b

File Export View Record Playback Plugins Settings Help

PAT PID 0x0000  
 PMT PID 0x0010 - Network  
 PMT PID 0x0064 - Program 4098  
 SDT PID 0x0011 <1>  
 NIT PID 0x0010 <1>

Program Number: 4098  
 PCR on PID 33 (0x0021)  
 PMT Version: 1  
 Service name: F3YX MOBILE

Stream Type: 0x02 MPEG-2 Video  
 Elementary Stream PID 33 (0x0021)

Stream Type: 0x03 MPEG-1 Audio  
 Elementary Stream PID 49 (0x0031)

Video Decode  
 4098 - F3YX MOBILE  
 F3YX DATU  
 MPEG2

Active PIDs: Disabled Sort Decending Sort by Rate Sort by PID

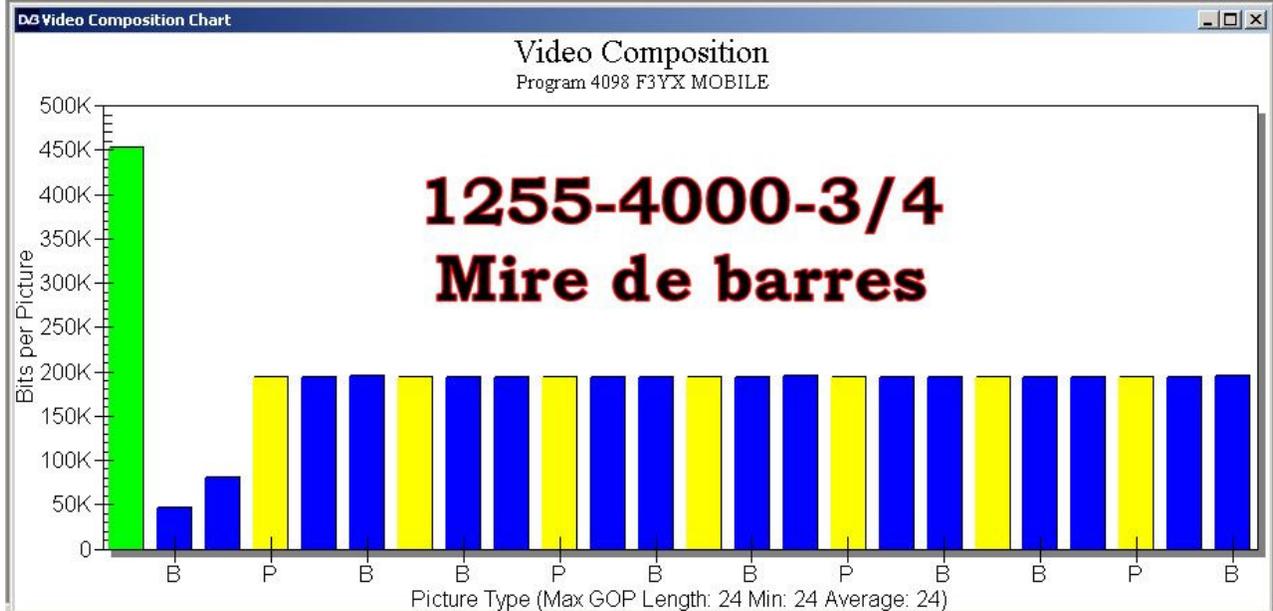
0x1fff (8.24% ~ 456.63 Kbps)  
 0x0021 (90.10% ~ 4.98 Mbps)  
 0x0031 (1.30% ~ 71.73 Kbps)  
 0x0011 (0.09% ~ 5.01 Kbps)  
 0x0064 (0.09% ~ 5.01 Kbps)  
 0x0010 (0.09% ~ 5.01 Kbps)  
 0x0000 (0.09% ~ 5.01 Kbps)

General Information  
 Source: Multicast UDP  
 Tuner: 230.0.0.1 port 1234  
 Signal: n/a

Network Type: DVB  
 Run Time: 000:00:14

MPEG-2 Statistics

	PAT	PMT	CAT	NIT	SDT	EIT
Sections	42	36	0	41	43	0
CRC Errors	0	0	0	0	0	0
Continuity Errors:	0				Mux. bitrate: 5529358 bps	
TEI Errors:	0				Last sec.: 5.234 Mbit	
Sync losses:	0				In buffer:	
					Out buffer:	



**D3TSReader -- 2.8.46b**

File Export View Record Playback Plugins Settings Help

PAT PID 0x0000

- PMT PID 0x0010 - Network
- PMT PID 0x0064 - Program 4098
- SDT PID 0x0011 <1>
- NIT PID 0x0010 <1>

Program Number: 4098  
 PCR on PID 33 (0x0021)  
 PMT Version: 1  
 Service name: F3YX MOBILE

Stream Type: 0x02 MPEG-2 Video  
 Elementary Stream PID 33 (0x0021)

Stream Type: 0x03 MPEG-1 Audio  
 Elementary Stream PID 49 (0x0031)

Video Decode

#098 - F3YX MOBILE mp2

F3YX DATU

Active PIDs:  Disabled  Sort Decending  Sort by Rate  Sort by PID

- 0x1fff (8.24% ~ 466.50 Kbps)
- 0x0021 (90.10% ~ 4.98 Mbps)
- 0x0031 (1.30% ~ 71.91 Kbps)
- 0x0011 (0.09% ~ 5.01 Kbps)
- 0x0064 (0.09% ~ 5.01 Kbps)
- 0x0010 (0.09% ~ 5.01 Kbps)
- 0x0000 (0.09% ~ 5.01 Kbps)

General Information

Source: Multicast UDP

Tuner: 230.0.0.1 port 1234

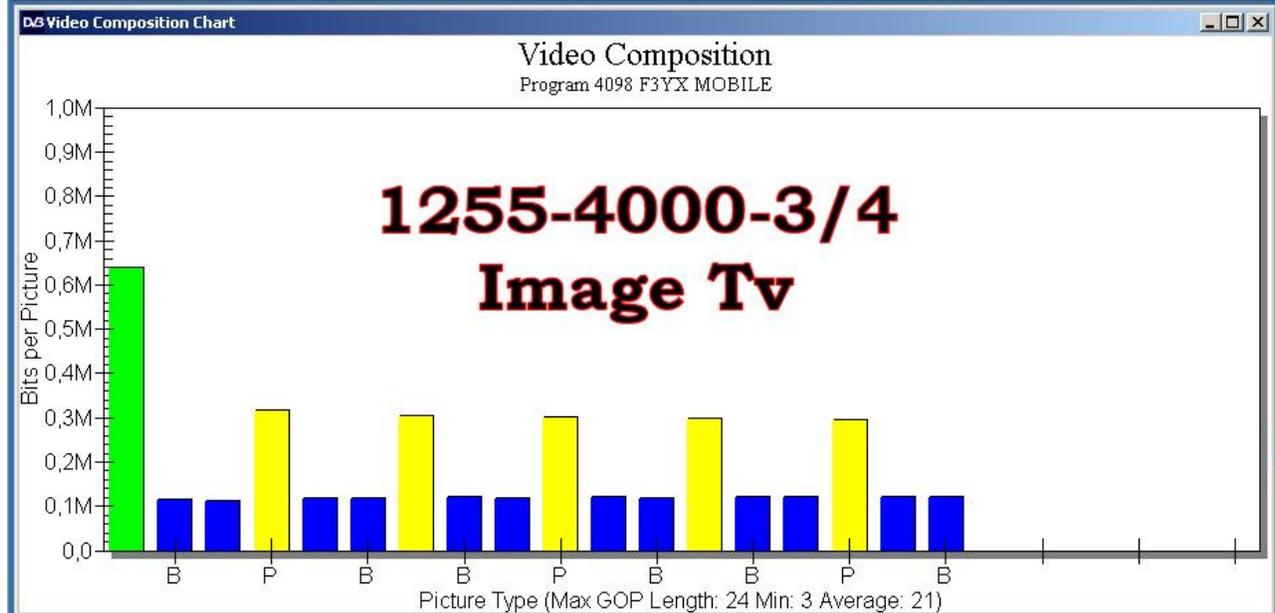
Signal: n/a

Network Type: DVB

Run Time: 000:02:34

MPEG-2 Statistics

	PAT	PMT	CAT	NIT	SDT	EIT
Sections	510	504	0	509	511	0
CRC Errors	0	0	0	0	0	0
Continuity Errors:	0	Mux. bitrate: 5529358 bps		0	0	0
TEI Errors:	0	Last sec.: 5.234 Mbit		0	0	0
Sync losses:	0	In buffer:		0	0	0
		Out buffer:				



**D3TSReader -- 2.8.46b**

File Export View Record Playback Plugins Settings Help

PAT PID 0x0000

- PMT PID 0x0010 - Network
- PMT PID 0x0064 - Program 4098
- SDT PID 0x0011 <1>
- NIT PID 0x0010 <1>

Program Number: 4098  
 PCR on PID 33 (0x0021)  
 PMT Version: 1  
 Service name: F3YX MOBILE

Stream Type: 0x02 MPEG-2 Video  
 Elementary Stream PID 33 (0x0021)

Stream Type: 0x03 MPEG-1 Audio  
 Elementary Stream PID 49 (0x0031)

Video Decode

4098 - F3YX MOBILE mpeg2

F3YX DATU

Active PIDs  Disabled  Sort Descending  Sort by Rate  Sort by PID

- 0x1fff (8.24% ~ 466.81 Kbps)
- 0x0021 (90.10% ~ 4.98 Mbps)
- 0x0031 (1.30% ~ 71.64 Kbps)
- 0x0011 (0.09% ~ 4.97 Kbps)
- 0x0064 (0.09% ~ 4.97 Kbps)
- 0x0010 (0.09% ~ 4.97 Kbps)
- 0x0000 (0.00% ~ 4.97 Kbps)

General Information

Source: Multicast UDP

Tuner: 230.0.0.1 port 1234

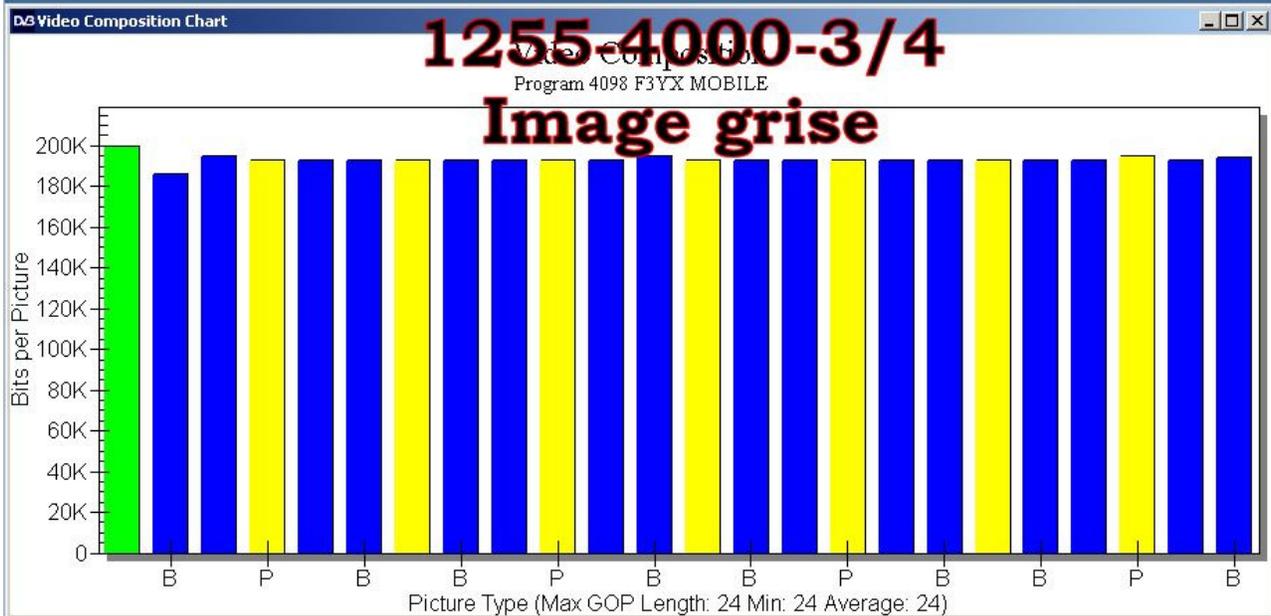
Signal: n/a

Network Type: DVB

Run Time: 000:00:22

MPEG-2 Statistics

	PAT	PMT	CAT	NIT	SDT	EIT
Sections	69	63	0	68	70	0
CRC Errors	0	0	0	0	0	0
Continuity Errors:	0	Mux. bitrate: 5529358 bps		0	0	0
TEI Errors:	0	Last sec.: 5.757 Mbit		0	0	0
Sync losses:	0	In buffer:		0	0	0
		Out buffer:		0	0	0



**DVB-TSReader -- 2.8.46b**

File Export View Record Playback Plugins Settings Help

- PAT PID 0x0000
- PMT PID 0x0010 - Network
- PMT PID 0x0064 - Program 4098
- SDT PID 0x0011 <1>
- NIT PID 0x0010 <1>

Program Number: 4098  
PCR on PID 33 (0x0021)  
PMT Version: 1  
Service name: F3YX MOBILE

Stream Type: 0x02 MPEG-2 Video  
Elementary Stream PID 33 (0x0021)

Stream Type: 0x03 MPEG-1 Audio  
Elementary Stream PID 49 (0x0031)

Video Decode

Active PIDs  Disabled  Sort Decending  Sort by Rate  Sort by PID

- 0x0021 (90.04% ~ 4.98 Mbps)
- 0x1fff (8.30% ~ 468.99 Kbps)
- 0x0031 (1.30% ~ 71.68 Kbps)
- 0x0011 (0.09% ~ 5.02 Kbps)
- 0x0064 (0.09% ~ 5.02 Kbps)
- 0x0010 (0.09% ~ 5.02 Kbps)
- 0x0000 (0.09% ~ 5.02 Kbps)

General Information

Source: MulticastUDP

Tuner: 230.0.0.1 port 1234

Signal: n/a

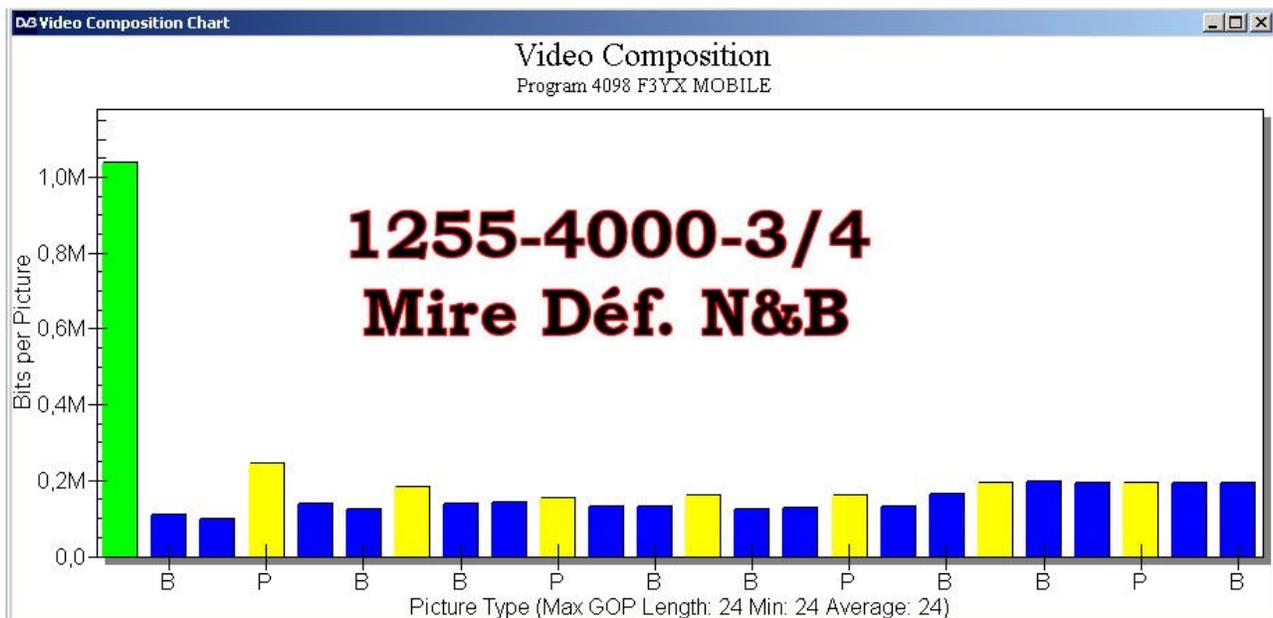
---

Network Type: DVB

Run Time: 000:00:26

MPEG-2 Statistics

	PAT	PMT	CAT	NIT	SDT	EIT
Sections	83	77	0	82	84	0
CRC Errors	0	0	0	0	0	0
Continuity Errors:	0			Mux. bitrate:	5529358 bps	
TEI Errors:	0			Last sec.:	5.757 Mbit	
Sync losses:	0			In buffer:		
				Out buffer:		



TSReader -- 2.8.46b

File Export View Record Playback Plugins Settings Help

- PAT PID 0x0000
  - PMT PID 0x0010 - Network
  - PMT PID 0x0064 - Program 4098
  - SDT PID 0x0011 <1>
  - NIT PID 0x0010 <1>

Program Number: 4098  
 PCR on PID 33 (0x0021)  
 PMT Version: 1  
 Service name: F3YX MOBILE

Stream Type: 0x02 MPEG-2 Video  
 Elementary Stream PID 33 (0x0021)

Stream Type: 0x03 MPEG-1 Audio  
 Elementary Stream PID 49 (0x0031)

Active PIDs:  Disabled  Sort Descending  Sort by Rate  Sort by PID

- 0x0021 (90.11% ~ 4.98 Mbps)
- 0x1fff (8.23% ~ 464.86 Kbps)
- 0x0031 (1.30% ~ 71.95 Kbps)
- 0x0011 (0.09% ~ 5.02 Kbps)
- 0x0064 (0.09% ~ 5.02 Kbps)
- 0x0010 (0.09% ~ 5.02 Kbps)
- 0x0000 (0.09% ~ 5.02 Kbps)

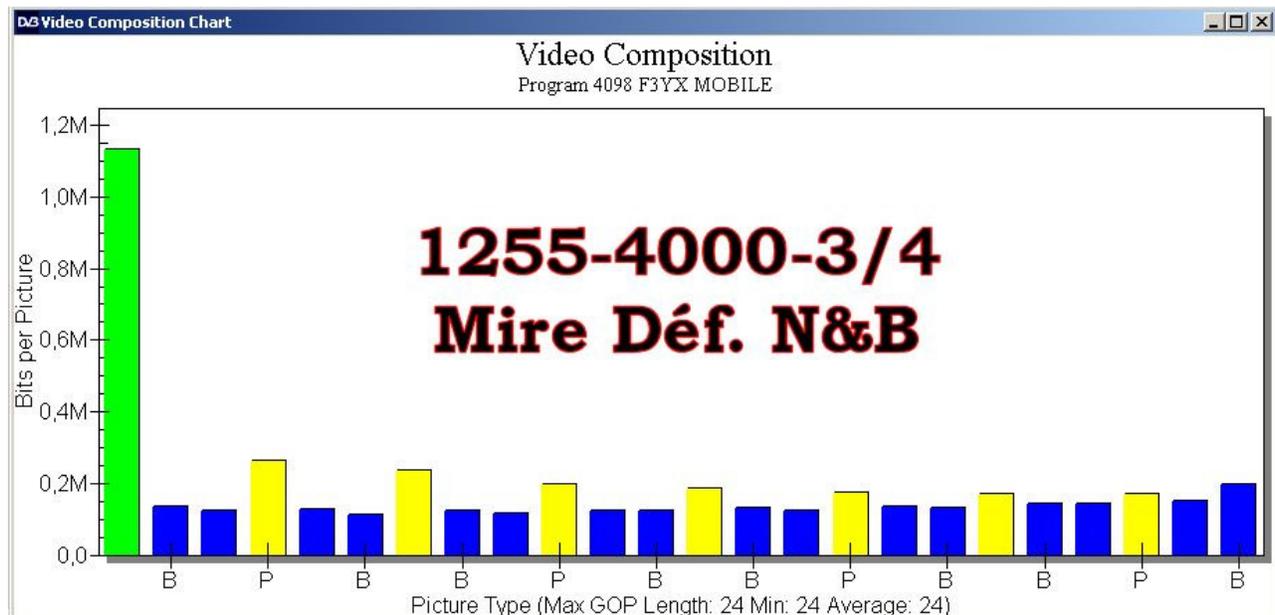
General Information  
 Source: Multicast UDP  
 Tuner: 230.0.0.1 port 1234  
 Signal: n/a

Network Type: DVB  
 Run Time: 000:01:10

MPEG-2 Statistics

	PAT	PMT	CAT	NIT	SDT	EIT
Sections	230	224	0	229	231	0
CRC Errors	0	0	0	0	0	0
Continuity Errors:	0			Mux. bitrate:	5529358 bps	
TEI Errors:	0			Last sec.:	5.757 Mbit	
Sync losses:	0			In buffer:		
				Out buffer:		

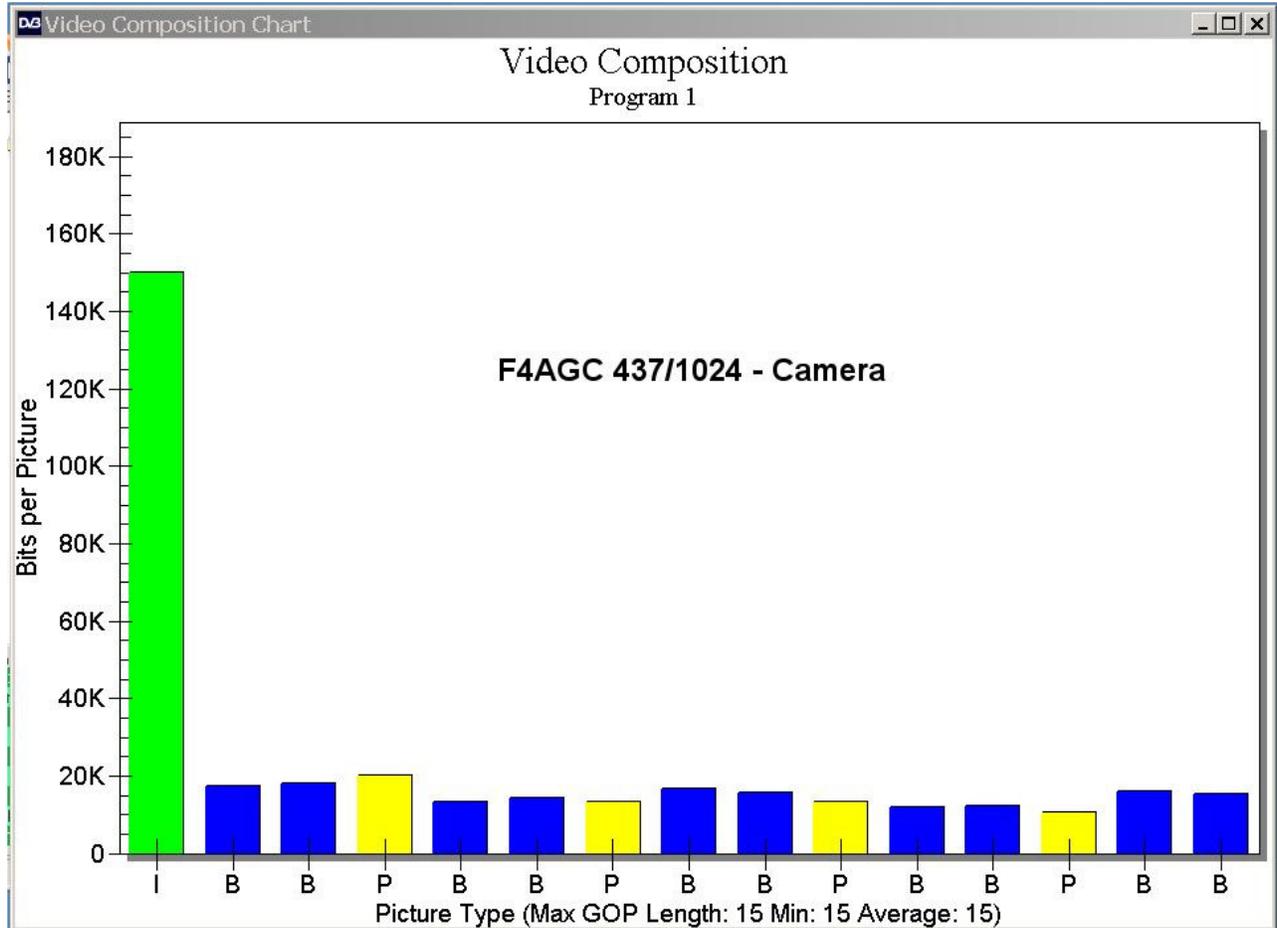
Video Decode  
 0098 - F3YX MOBILE  
 mp2  
 TV9CEE



## **Conclusions :**

- 1) Le nombre de gops varie entre 3 et 15, 18, 24, ou 32 en fonction du changement vers l'image suivante et du débit choisi. Adaptation automatique du Minimod.**
- 2) Cest aussi le cas des SR Systems ancienne génération (min 3, max 15), sauf les émetteurs à base F4DAY et variantes qui ont un Gop fixe (Voir analyse de l'émission de F4AGC en 1024)**
- 3) Le volume des images calculées et interpolées est fonction de la place disponible dans le tuyau « stream » après l'image I**
- 4) Une image de caméra, même avec une bonne définition (Camescope triccd injecté en Yc) de définition 550 points/ligne occupe au max 1,2 Mb dans le stream, et plus le tuyau est large et à débit élevé, plus il reste de place pour les images B et P. Donc plus l'image I est à haute définition, et plus les images suivantes seront petites (sur une image fixe bien sûr). A cela il faut ajouter qu'à chaque mouvement rapide où changement de plan, le Gop est stoppé pour un démarrer un nouveau. (minimum 3)**
- 5) En résumé, si l'on mesure le débit des chaînes publiques en général entre 2,5 et 4,5Mb, il s'avère que d'utiliser un débit supérieur à 2500 en régime amateur, avec peu de mouvements et pas de courses de voiture, cela ne sert qu'à faire perdre du rapport signal/bruit Chez le correspondant. Mettre un débit entre 3000 et 8000 ne sert à rien!!! Chaque fois qu'on double la largeur du spectre, on perd 3 dB chez le correspondant. Juste bon pour le folklore, où alors pour occuper la bande... et cela augmente simplement le volume des images secondaires car aucune image I même sur mire de définition n'occupe plus de 1,2Mb (Pal 720 x 576). Le seul cas qui justifie un débit plus élevé est le multiplexage de plusieurs streams.**
- 6) Voir aussi les mesures sur l'ancienne version SR programmé en 1667.**
- 7) En passant l'image en SIF (4 fois moins de pixels) l'image I occupe au maximum 200 k (image de mire de définition) ce qui implique qu'avec un débit total de 4000...il reste largement de quoi mettre toutes les images interpolées et calculées quasiment au même niveau que l'image I. Faut remplir le tuyau.**
- 8) Bref les émetteurs SR aussi bien Ancienne génération, que Minimod ne sont pas si pourris que cela..... !!! et pour ceux, amoureux du tout numérique qui voudraient y entrer en refusant toute source analogique, il reste la possibilité d'entrer en Asi, ou en Sdi, ainsi qu'avec la sortie ts des tuners Dvb-S et DvbT.**
- 9) Qui va faire une interface pour y entrer en numérique ? (usb, ethernet, etc)**
- 10) Les principaux défauts que j'y trouve sont la présence à un niveau important de l'harmonique 2, et sans doute le manque de souplesse de gestion des gop trop automatiques, ainsi que le niveau trop élevé des null packetts. Ces derniers sont bien plus facilement gérables avec l'ancienne génération. (voir les photos de TsReader)**

**ADDITIF : mesure de l'émission de F4AGC sur 437 MHz avec SR 1024**



**TransEdit 3.5.4.0**

File Edit Scan Positioner Settings Info

Transponder List File: DATV 70 Cm.ini

Name	Position	DiseqC
DATV 24 Cm	1° E	B/A
DATV 70 Cm	1° E	None

Transponders: 16

Frequ...	Pol	Symb...	FEC	Description
11037	V	1000	2/3	
11037	V	1024	Auto	
11037	V	1100	Auto	
11037	V	1200	Auto	
11037	V	1300	Auto	
11037	V	1500	Auto	
11037	V	1667	Auto	

Buttons: Save, Save as..., Update, Analyze, Blind Scan, Scan Selected, Scan All

Type: Satellite Name: DATV 70 Cm

Position: 1 E DiseqC: None

LOF 1: 10000 LOF 2: 0 LOF SW: 11700

Buttons: Apply, Add, Delete

Frequency: 11037 MHz Description: [ ]

Polarisation: V Modulation: QPSK  DVB-S2

Symbolrate: 1024 FEC: Auto

Buttons: Apply, Add, Cut, Copy, Paste

### Scanner - DATV 70 Cm

Found: 1

Name	Provider	Lang.	Frequ.	SR	ONID	TSID	SID	APID	VPID	TPID	PMT	PCR
Service 1	Unknown		11037 V	1024	0	0	1	482	481	0	32	481

Scan Results:

Scan Progress: 1 / 1    Frequ. 11037 V    SR 1024

Filter 1:  Free to air  Both  Encrypted

Filter 2:  TV  Both  Radio

DVBViewer Channel List:

Export Settings: Category: Frequency    Group: A

Root: DATV 70 Cm   

Filter 3:  Audio Tracks  Already Present Channels  
 Video Only Channels  Inactive Channels  Data Services

### TS Analyzer - Digital TV (1)

SI Table Entries: 9

- Transponder
  - Network = DATV 70 Cm
  - Frequency = 11037 MHz
  - Polarisation = V
  - Symbolrate = 1024
  - FEC = Auto
  - PAT PID = 0

PIDs: 5

PID	Stream Type	Packets	Missing	Data Rate	Percent	Service
0 0x0000	PAT	117	0	15.77 Kbps	1.60%	
32 0x0020	PMT	117	0	15.77 Kbps	1.60%	_Service 1
481 0x01E1	MPEG1 Video	4950	0	667.28 Kbps	67.62%	_Service 1
482 0x01E2	MPEG Audio	1621	0	218.52 Kbps	22.14%	_Service 1
8191 0x1FFF	Null Packets	515	0	69.42 Kbps	7.04%	

PAT 117    PMT 117    CAT 0    NIT 0    SDT 0    BAT 0    EIT 0

Table Statistics   

Hex   

Data Rate: 986.76 Kbps  
 Quality: 80 %  
 Rec. Time: 00:00:44  
 Written: 5.00 MB

### TSReader -- 2.8.46b

File Export View Record Playback Plugins Settings Help

PAT PID 0x0000  
 Transport Stream ID: 0 (0x0000)  
 PMT PID 32 (0x0020) - Program 1

Video Decode:

Active PIDs:  Disabled  Sort Descending  Sort by Rate  Sort by PID

- 0x01e1 (67.51% ~ 596.01 Kbps) \*
- 0x01e2 (22.14% ~ 208.89 Kbps) \*
- 0x1fff (7.17% ~ 67.86 Kbps)
- 0x0020 (1.59% ~ 15.04 Kbps) \*
- 0x0000 (1.59% ~ 15.04 Kbps) \*

General Information: Source: Transport Stream File-loop  
 Tuner: n/a  
 Signal: n/a  
 Network Type: Unknown  
 Run Time: 00:00:09

MPEG-2 Statistics:

	PAT	PMT	CAT	NIT	SDT	EIT
Sections	194.6k	194.6k	0	0	0	0
CRC Errors	0	0	0	0	0	0
Continuity Errors:	1728			Mux. bitrate:	943686 bps	
TEI Errors:	0			Last sec.:	2122.297 Mbit	
				In buffer:		
				Out buffer:		

\* after the bitrate indicates the PID has continuity errors

## TX SR Systems Ancienne génération :

TSReader -- 2.8.46b
File Export View Record Playback Plugins Settings Help

- PAT PID 0x0000
- PMT PID 0x0010 - Network
- PMT PID 0x010c - Program 4481
- SDT: F3YX-DATV
- ES PID 0x0021
- ES PID 0x0031
- PCR PID 0x0021
- SDT PID 0x0011 <1>
- 4481 F3YX-DATV
- NIT PID 0x0010 <1>
- 000.0w 11.855 H

Program Number: 4481  
 PCR on PID 33 (0x0021)  
 PMT Version: 0  
 Service name: F3YX-DATV

Stream Type: 0x02 MPEG-2 Video  
 Elementary Stream PID 33 (0x0021)

Stream Type: 0x03 MPEG-1 Audio  
 Elementary Stream PID 49 (0x0031)

Video Decode



Active PIDs  Disabled  Sort Descending  Sort by Rate  Sort by PID

- 0x0021 (90.52% ~ 1.39 Mbps)
- 0x0031 (4.88% ~ 71.92 Kbps)
- 0x1fff (3.28% ~ 50.35 Kbps)
- 0x0012 (1.13% ~ 17.28 Kbps)
- 0x0011 (0.10% ~ 1.51 Kbps)
- 0x010c (0.10% ~ 1.51 Kbps)
- 0x0010 (0.10% ~ 1.51 Kbps)
- 0x0000 (0.10% ~ 1.51 Kbps)

General Information

Source: Multicast UDP

Tuner: 230.0.0.1 port 1234

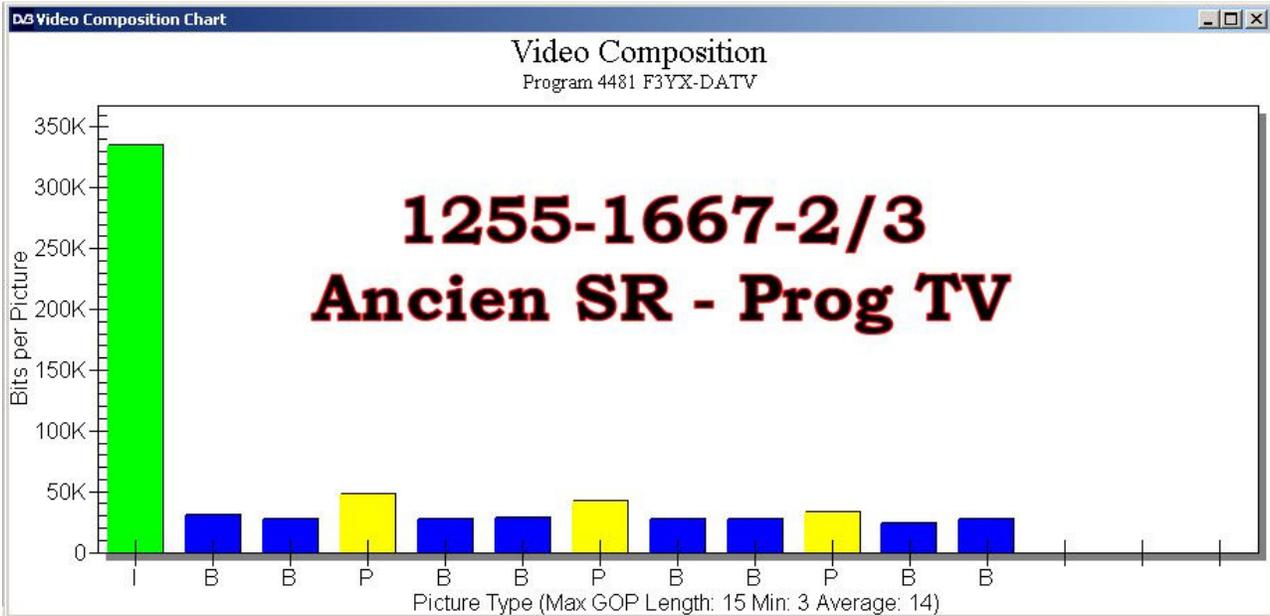
Signal: n/a

Network Type: DVB

Run Time: 000:01:51

MPEG-2 Statistics

	PAT	PMT	CAT	NIT	SDT	EIT
Sections	107	101	0	106	108	824
CRC Errors	0	0	0	0	0	0
Continuity Errors:	0				Mux. bitrate: 1535940 bps	
TEI Errors:	0				Last sec.: 1.308 Mbit	
Sync losses:	0				In buffer:	Out buffer:



TSReader -- 2.8.46b

File Export View Record Playback Plugins Settings Help

PAT PID 0x0000

- PMT PID 0x0010 - Network
- PMT PID 0x010c - Program 4481
  - SDT: F3YX-DATV
    - ES PID 0x0021
    - ES PID 0x0031
    - PCR PID 0x0021
- SDT PID 0x0011 <1>
- 4481 F3YX-DATV
  - NIT PID 0x0010 <1>
  - 000.0w/ 11.855 H

Program Number: 4481  
 PCR on PID 33 (0x0021)  
 PMT Version: 0  
 Service name: F3YX-DATV

Stream Type: 0x02 MPEG-2 Video  
 Elementary Stream PID 33 (0x0021)

Stream Type: 0x03 MPEG-1 Audio  
 Elementary Stream PID 49 (0x0031)

Video Decode

4481 - F3YX-DATV

F3YX DATV

Active PIDs:  Disabled  Sort Decending  Sort by Rate  Sort by PID

- 0x0021 (90.50% ~ 1.39 Mbps)
- 0x0031 (4.70% ~ 72.13 kbps)
- 0x1fff (3.29% ~ 50.49 kbps)
- 0x0012 (1.13% ~ 17.30 kbps)
- 0x0011 (0.10% ~ 1.51 kbps)
- 0x010c (0.10% ~ 1.51 kbps)
- 0x0010 (0.10% ~ 1.51 kbps)

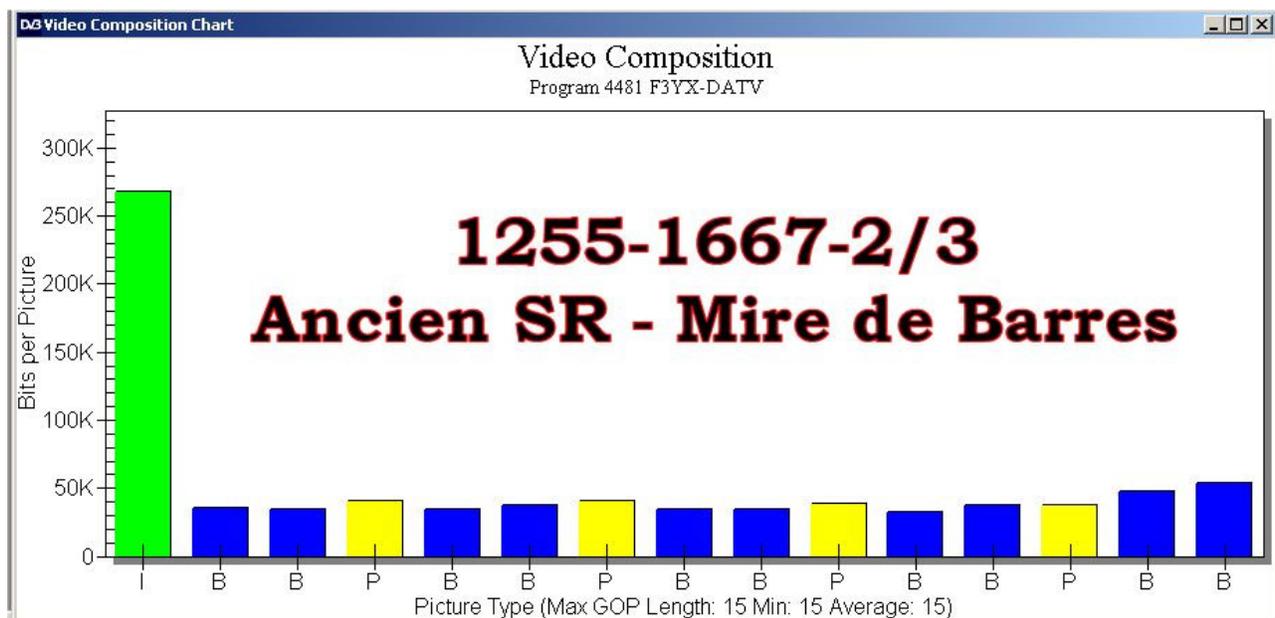
General Information

Source: Multicast UDP  
 Tuner: 230.0.0.1 port 1234  
 Signal: n/a

Network Type: DVB  
 Run Time: 000:00:44

MPEG-2 Statistics

	PAT	PMT	CAT	NIT	SDT	EIT
Sections	40	34	0	39	41	310
CRC Errors	0	0	0	0	0	0
Continuity Errors:	0			Mux. bitrate:	1535940 bps	
TEI Errors:	0			Last sec.:	1.570 Mbit	
Sync losses:	0			In buffer:		
				Out buffer:		



TSReader -- 2.6.46b

File Export View Record Playback Plugins Settings Help

PAT PID 0x0000  
 PMT PID 0x0010 - Network  
 PMT PID 0x010c - Program 4481  
 SDT: F3YX-DATV  
 ES PID 0x0021  
 ES PID 0x0031  
 PCR PID 0x0021  
 SDT PID 0x0011 <1>  
 4481 F3YX-DATV  
 NIT PID 0x0010 <1>  
 000.0w 11.855 H

Program Number: 4481  
 PCR on PID 33 (0x0021)  
 PMT Version: 0  
 Service name: F3YX-DATV

Stream Type: 0x02 MPEG-2 Video  
 Elementary Stream PID 33 (0x0021)

Stream Type: 0x03 MPEG-1 Audio  
 Elementary Stream PID 49 (0x0031)

Video Decode  
 4481 - F3YX-DATV  
 F3YX DATV

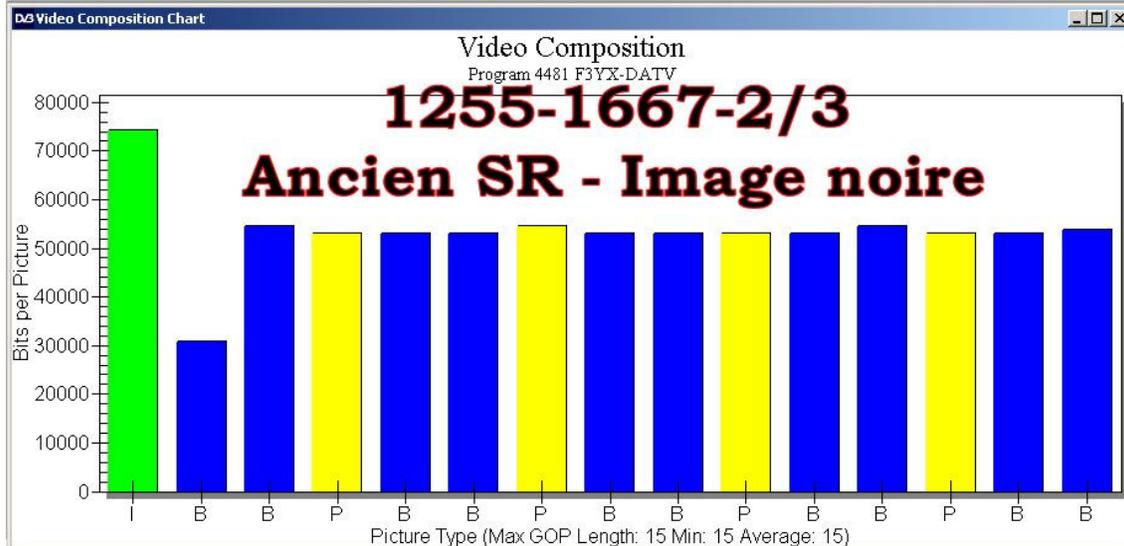
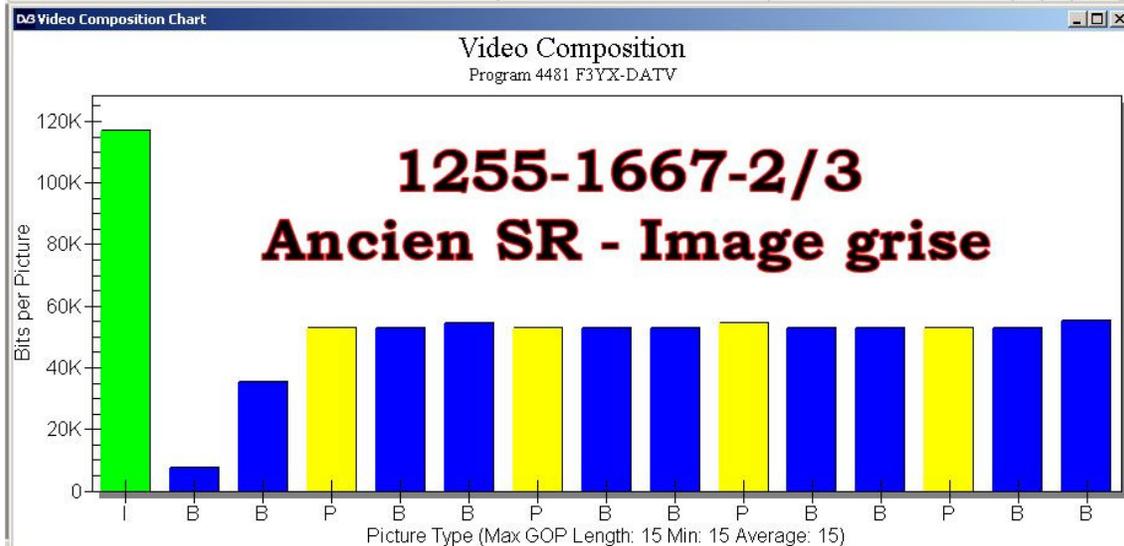
Active PIDs: Disabled Sort Descending Sort by Rate Sort by PID

- 0x0021 (00.51% - 1.39 Mbps)
- 0x0031 (4.70% - 72.12 Kbps)
- 0x1fff (3.28% - 50.44 Kbps)
- 0x0012 (1.12% - 17.26 Kbps)
- 0x0011 (0.10% - 1.50 Kbps)
- 0x010c (0.10% - 1.50 Kbps)
- 0x0010 (0.10% - 1.50 Kbps)

General Information  
 Source: Multicast UDP  
 Tuner: 230.0.0.1 port 1234  
 Signal: n/a

Network Type: DVB  
 Run Time: 000:00:40

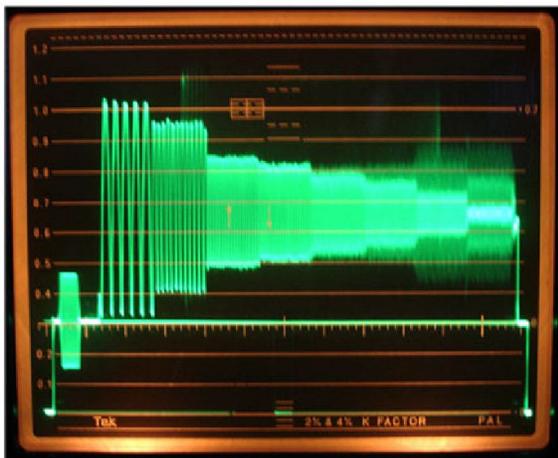
MPEG-2 Statistics	PAT	PMT	CAT	NIT	SDT	EIT
Sections	36	30	0	35	37	281
CRC Errors	0	0	0	0	0	0
Continuity Errors:	0		Mux. bitrate:	1535940 bps		
TEI Errors:	0		Last sec.:	1.047 Mbit		
Sync losses:	0		In buffer:			
			Out buffer:			



**Image sans indicatif (image I = 75k et avec indicatif image I = 118k)**

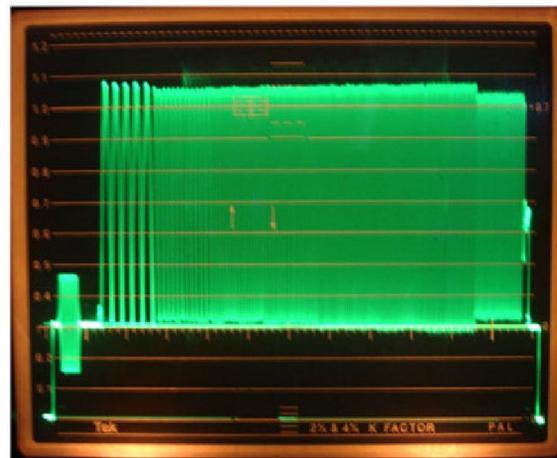
Dernière chose pour info : comparaison bande passante vidéo sur entrée CVBS ou YC pour les diverses versions de codeur Mpeg (Version1 et 2 puis 3 et surtout V4)

## Encoder MPEG SR-Systems Signal multiburst 1 à 5 MHz



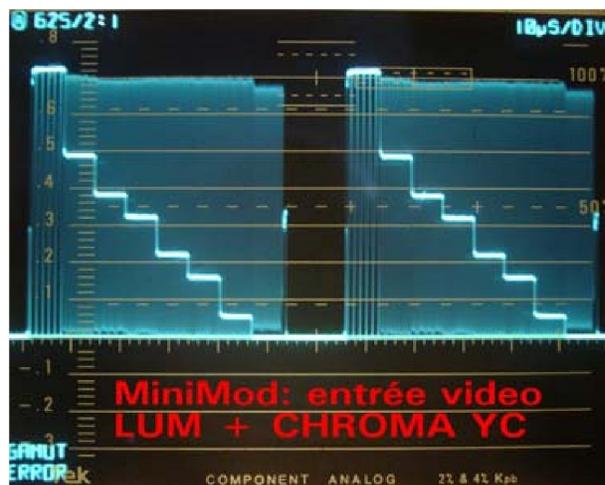
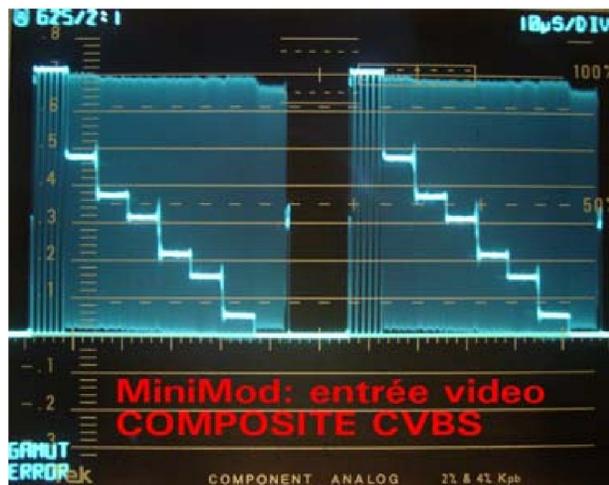
Entrée vidéo composite

mesures © hb9iam 8.2006



Entrée Y/C S-vidéo

Version encodeur jusqu'à V3



Version encodeur Mpg V4 (Mesures F8BXA)