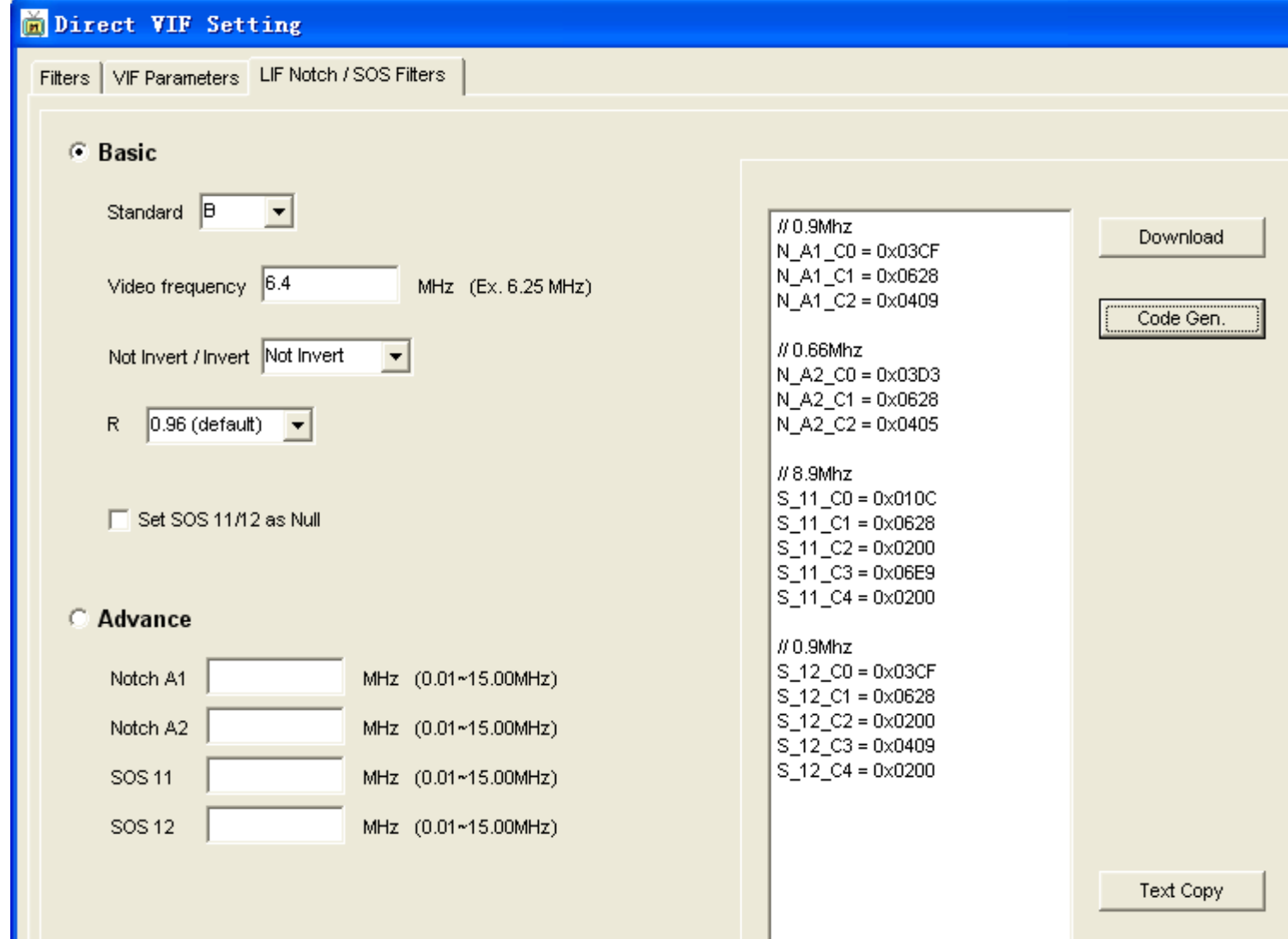


A: 调试界面进入: Debug tool---view---direct vif adjustment---lif notch/sos filters出现如下界面。



The image shows a software window titled "Direct VIF Setting". It has three tabs: "Filters", "VIF Parameters", and "LIF Notch / SOS Filters". The "LIF Notch / SOS Filters" tab is selected. Inside this tab, there are two sections: "Basic" and "Advance".

**Basic Section:**

- Standard:** A dropdown menu showing "B".
- Video frequency:** A text input field containing "6.4" followed by "MHz (Ex. 6.25 MHz)".
- Not Invert / Invert:** A dropdown menu showing "Not Invert".
- R:** A dropdown menu showing "0.96 (default)".
- Set SOS 11/12 as Null:** An unchecked checkbox.

**Advance Section:**

- Notch A1:** A text input field followed by "MHz (0.01~15.00MHz)".
- Notch A2:** A text input field followed by "MHz (0.01~15.00MHz)".
- SOS 11:** A text input field followed by "MHz (0.01~15.00MHz)".
- SOS 12:** A text input field followed by "MHz (0.01~15.00MHz)".

**Code Generation Area:**

On the right side of the "Basic" section, there is a large text area containing generated code for three different frequencies:

```
// 0.9Mhz  
N_A1_C0 = 0x03CF  
N_A1_C1 = 0x0628  
N_A1_C2 = 0x0409  
  
// 0.66Mhz  
N_A2_C0 = 0x03D3  
N_A2_C1 = 0x0628  
N_A2_C2 = 0x0405  
  
// 8.9Mhz  
S_11_C0 = 0x010C  
S_11_C1 = 0x0628  
S_11_C2 = 0x0200  
S_11_C3 = 0x06E9  
S_11_C4 = 0x0200  
  
// 0.9Mhz  
S_12_C0 = 0x03CF  
S_12_C1 = 0x0628  
S_12_C2 = 0x0200  
S_12_C3 = 0x0409  
S_12_C4 = 0x0200
```

Below the code area are three buttons: "Download", "Code Gen.", and "Text Copy".

### 界面选择和输入项说明:

- 1: “standard” 项选择伴音制式
- 2: “video frequency” 项输入对应伴音制式所对应的中频点
- 3: “R” 项选择带宽, 分别有0.9/0.94/0.96(default) 三项选择, 这个可以拿TG39测试一下看看哪组值的效果更好。
- 4: 其它项不用设置, 0K后点右边的code gen. 按键, 出现上图中白框中的4组值, 此时点download可以在线写入check效果。
- 5: 这4组值要写入代码的话需要去分别更改寄存器, 写入时需要按伴音制分开写。寄存器及bank对应关系如下:

// 0.9Mhz	Bank 0x1122 (8bit mode)、V29_V39是在Bank15(16bit)-VIF
N A1 C0 = 0x****	0x84
N A1 C1 = 0x****	0x86
N A1 C2 = 0x****	0x88
// 0.68Mhz	
N A2 C0 = 0x****	0x8A
N A2 C1 = 0x****	0x8C
N A2 C2 = 0x****	0x8E
// 6.9Mhz	
S 11 C0 = 0x****	0X96
S 11 C1 = 0x****	0X98
S 11 C2 = 0x****	0X9A
S 11 C3 = 0x****	0X9C
S 11 C4 = 0x****	0X9E
// 0.9Mhz	
S 12 C0 = 0x****	0XA0
S 12 C1 = 0x****	0XA2
S 12 C2 = 0x****	0XA4
S 12 C3 = 0x****	0XB2
S 12 C4 = 0x****	0XB4

说明: 测试时一般不用54200去测试, 54200的P/S最大只能到-5DB, 而TG39可以到0DB。

NXP18273:

#define VIF_CR_RATE_B	CR_RATE for 6.4 MHz,
#define VIF_CR_RATE_GH	CR_RATE for 6.75 MHz
#define VIF_CR_RATE_DK	CR_RATE for 6.85 MHz
#define VIF_CR_RATE_I	CR_RATE for 7.25 MHz
##define VIF_CR_RATE_L	CR_RATE for 6.75 MHz
#define VIF_CR_RATE_MN	CR_RATE for 5.4 MHz

R828/R828D/RT620D:

System	IF Frequency (MHz)	System BW
NTSC M/N	5.1	6M
PAL I	7.3	8M
PAL DK	7.3	8M
PAL B	6.6	7M
PAL GH	6.6	8M
SECAM_L	7	8M