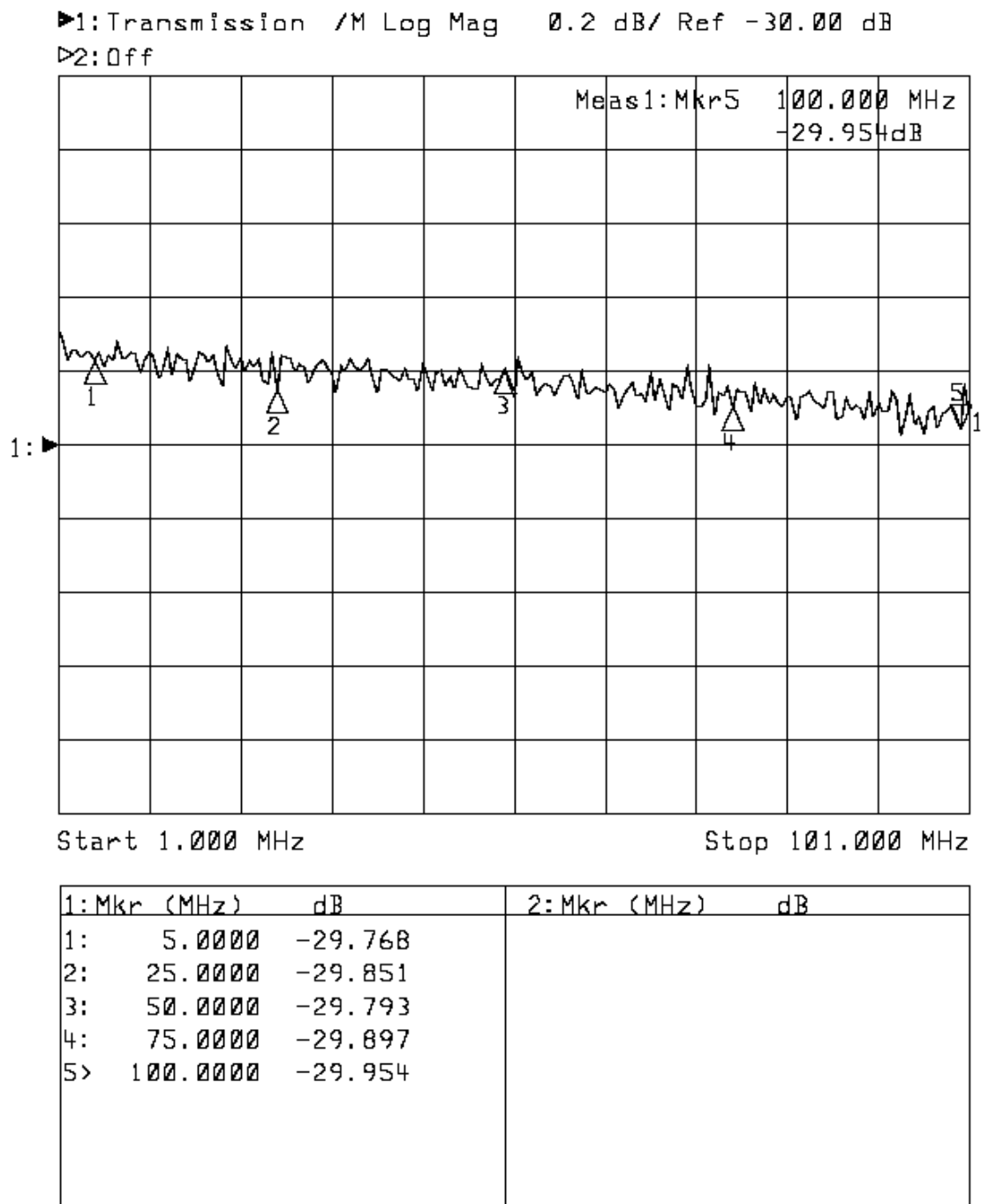


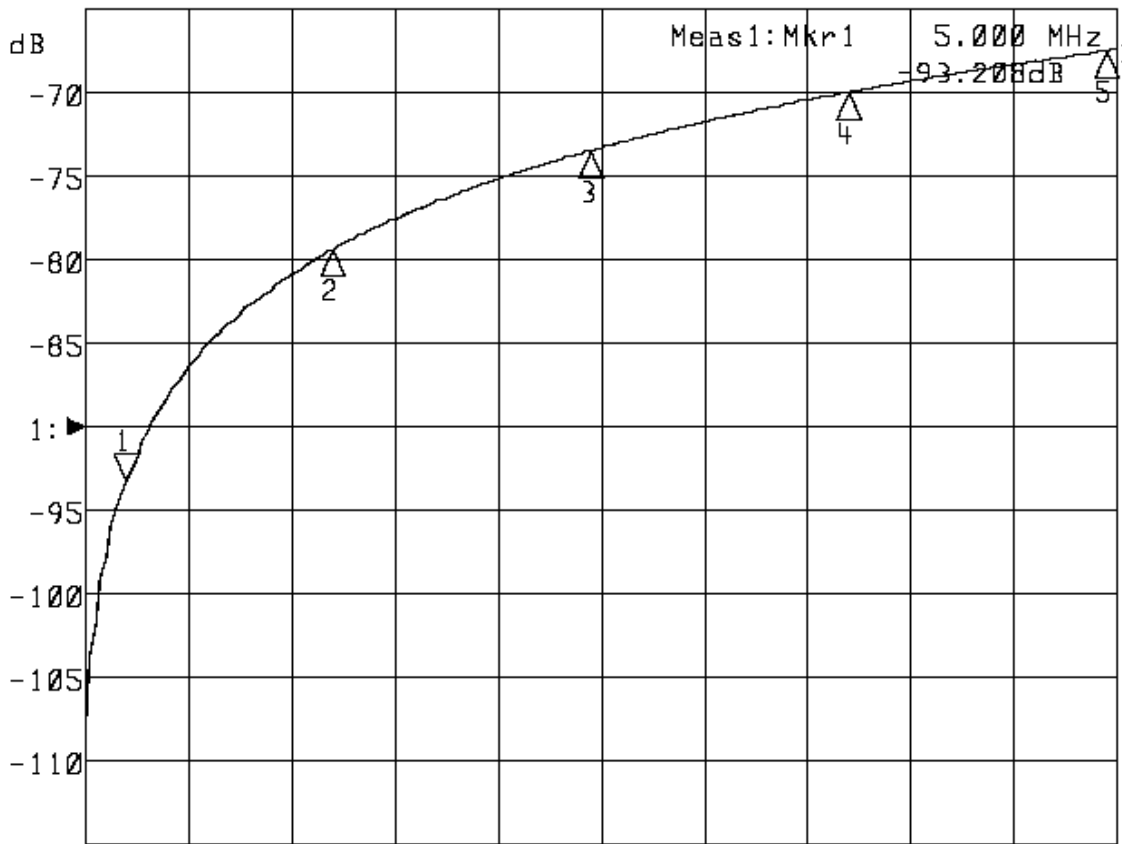
# MESURES QUARTZ A L'ANALYSEUR DE RESEAUX 8712

## 1. Réponse du double atténuateur



S21 avec strap

►1: Transmission /M Log Mag 5.0 dB/ Ref -90.00 dB  
 ►2: Off



Start 1.000 MHz

Stop 101.000 MHz

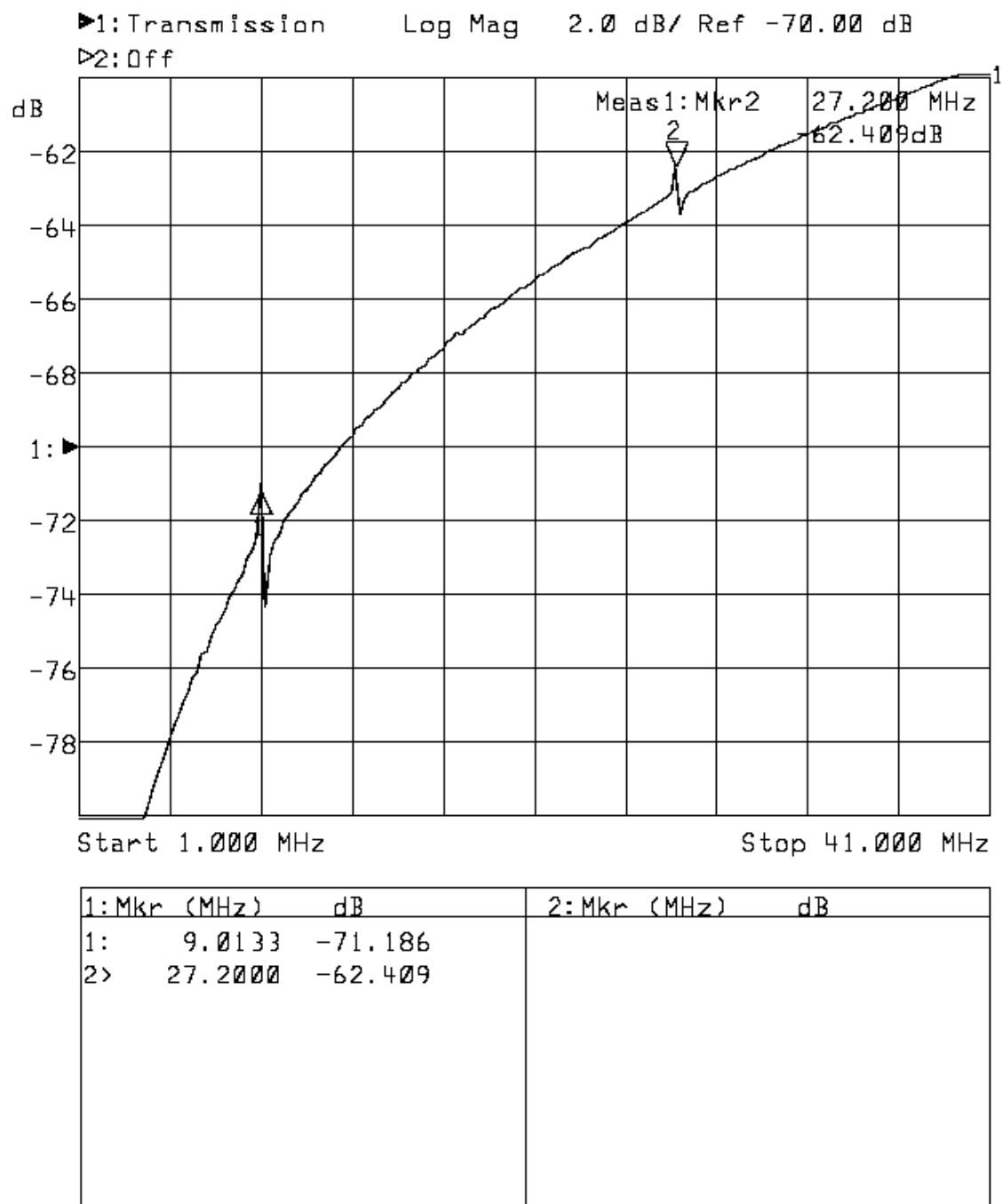
| 1: Mkr (MHz) | dB      | 2: Mkr (MHz) | dB |
|--------------|---------|--------------|----|
| 1> 5.0000    | -93.208 |              |    |
| 2: 25.0000   | -79.411 |              |    |
| 3: 50.0000   | -73.473 |              |    |
| 4: 75.0000   | -69.973 |              |    |
| 5: 100.0000  | -67.504 |              |    |

S21 circuit ouvert

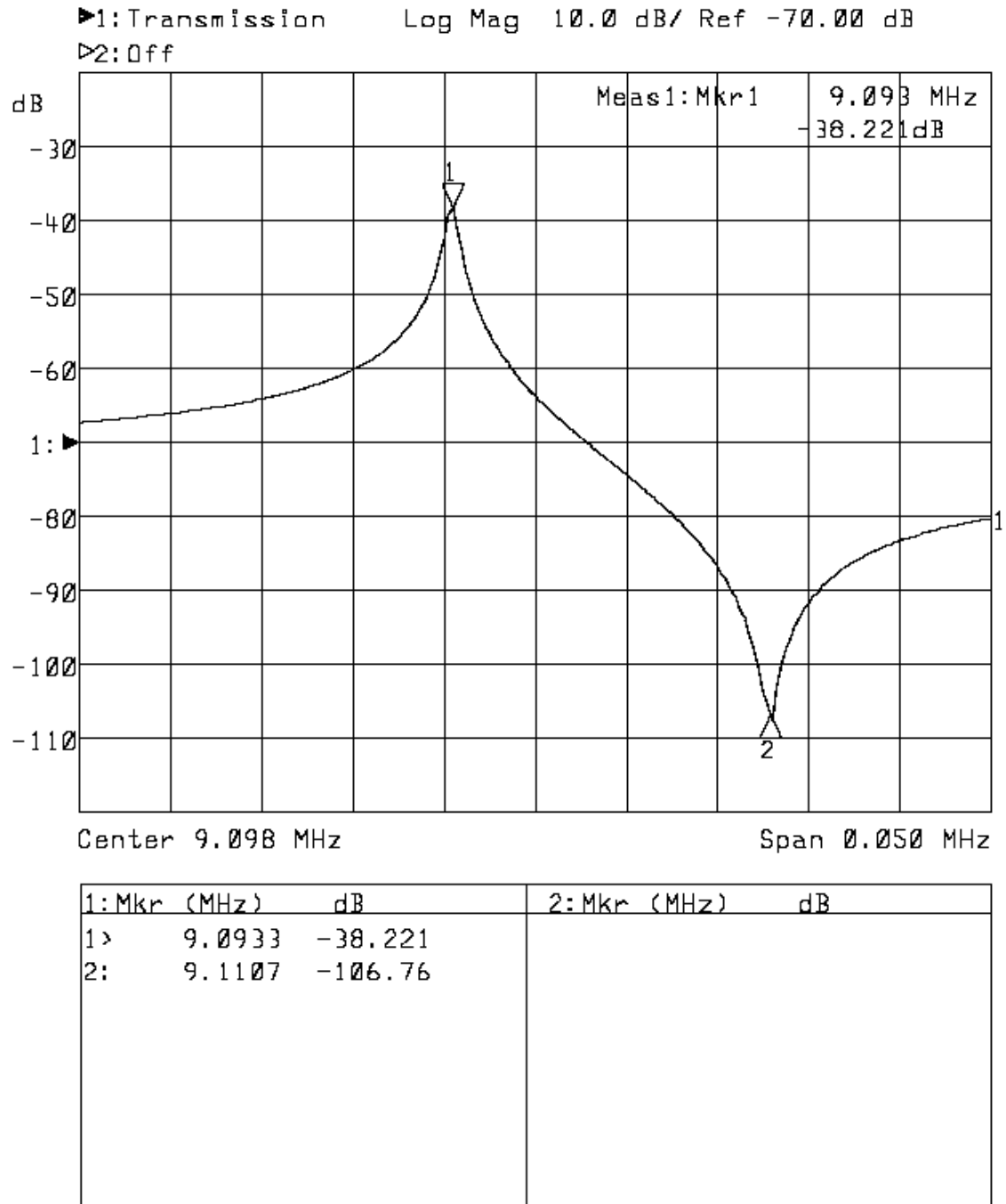
A 25 MHz, att. de C = 79.41 – 29.85 = 49.56 dB soit 300.6  
 d'où  $X_c = 25(300.6 - 1) = 7490 \Omega$  et C = 0.85 pF

## 2. Réponse large bande

## 27.275 MHz - ERS



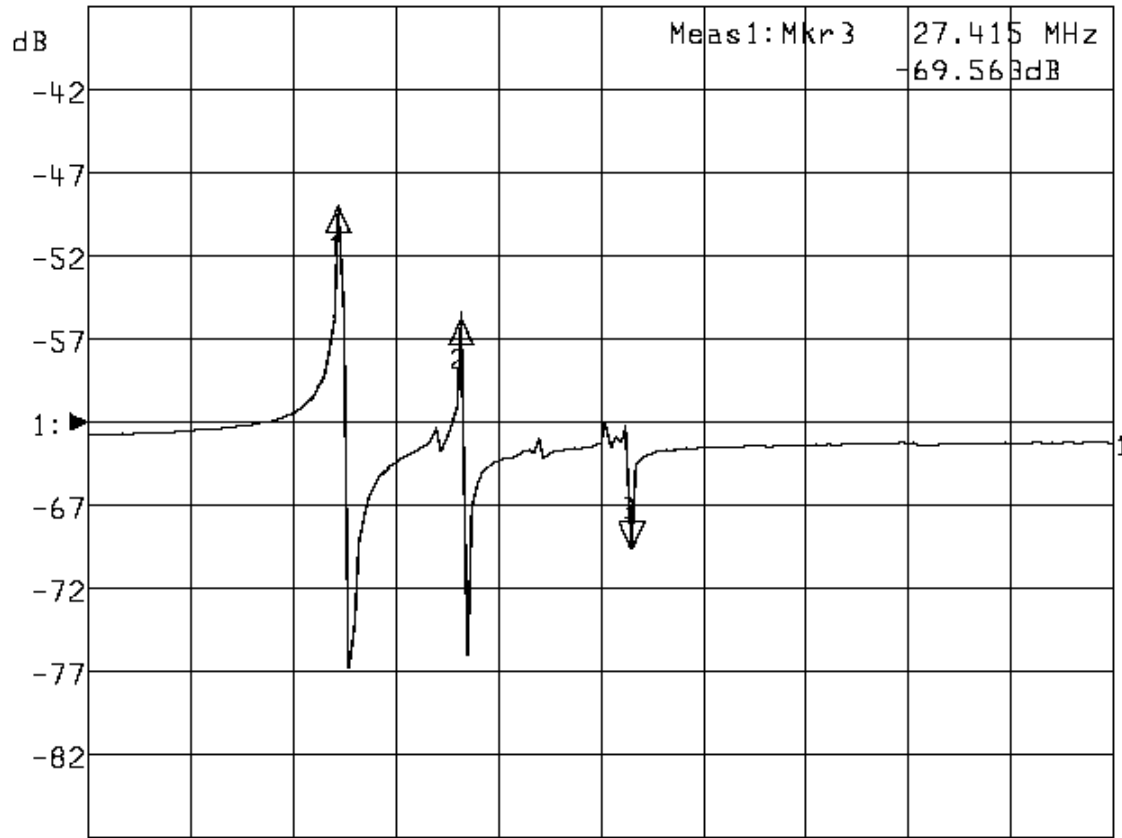
### 3. Mode fondamental



#### 4. Mode partiel 3 – large bande

►1: Transmission Log Mag 5.0 dB/ Ref -62.00 dB

▷2: Off



Center 27.400 MHz

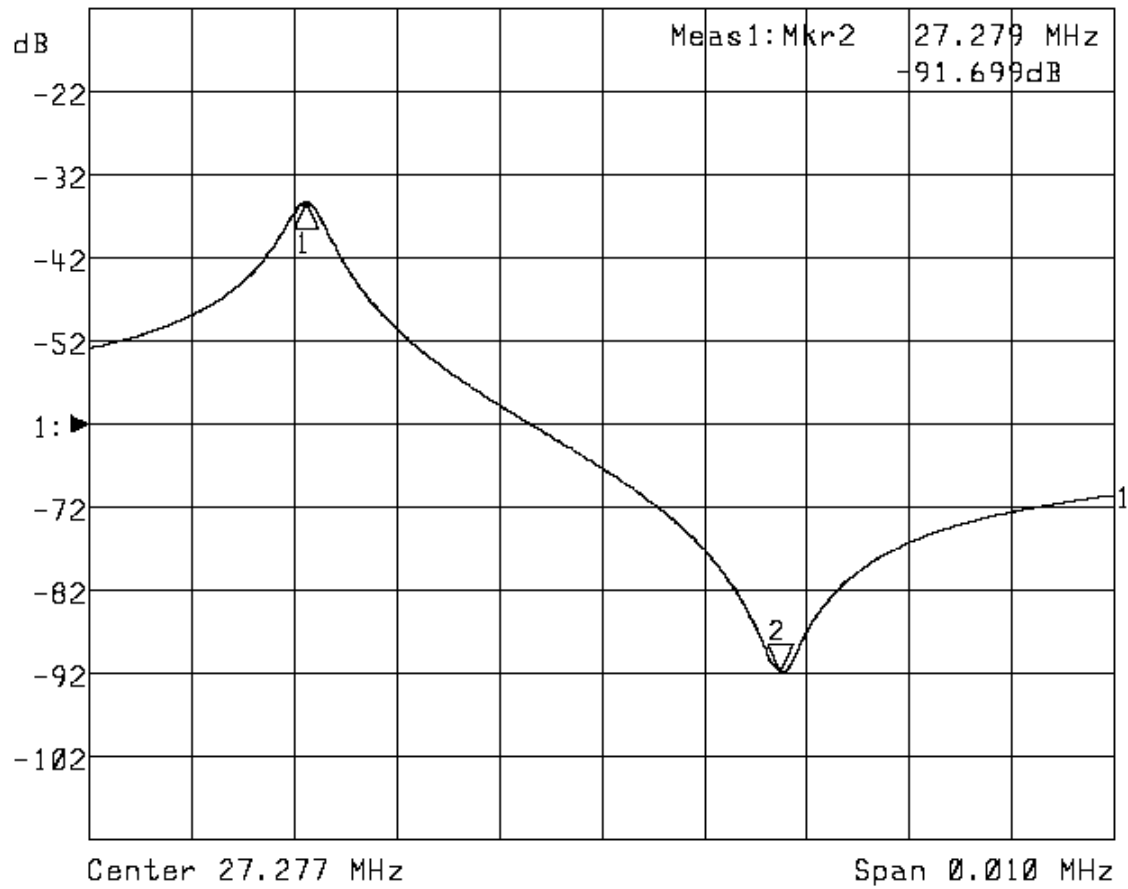
Span 0.500 MHz

| 1: Mkr (MHz) | dB      | 2: Mkr (MHz) | dB |
|--------------|---------|--------------|----|
| 1:           | 27.2728 | -49.008      |    |
| 2:           | 27.3326 | -55.719      |    |
| 3>           | 27.4153 | -69.563      |    |

## 5. Mode partiel 3 – bande étroite

►1: Transmission Log Mag 10.0 dB/ Ref -62.00 dB

▷2: Off



| 1: Mkr (MHz) | dB      | 2: Mkr (MHz) | dB |
|--------------|---------|--------------|----|
| 1:           | 27.2739 | -35.197      |    |
| 2>           | 27.2786 | -91.699      |    |