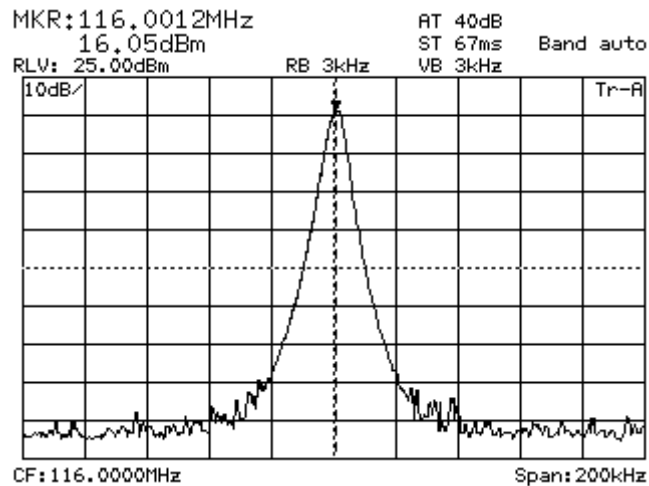


HJK-3H kever őrérése.

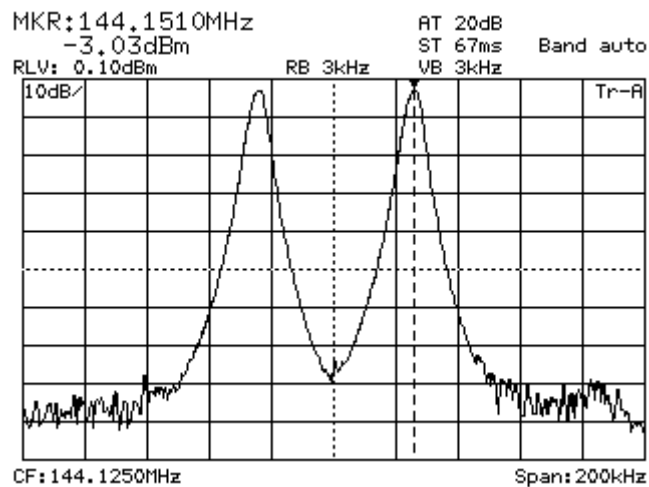
RF1=144.1MHz RF2=144.15MHz

LO=16dBm Local frekvencia=116MHz

A gyártó eredetileg 16dBm local szintet ad meg.

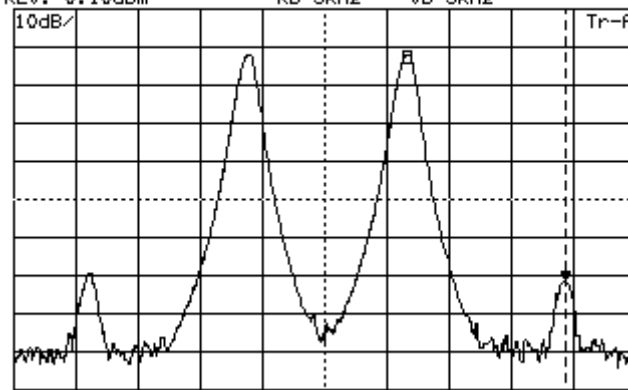


Local



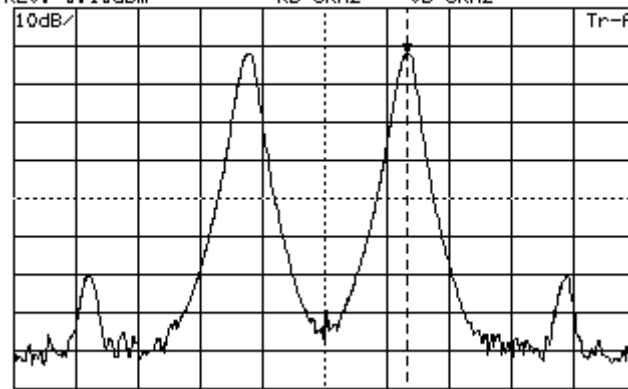
$$IP3=59,31/2 - 3,03=+26,26dBm$$

DLT: 50.8kHz AT 20dB
-59.31dB ST 67ms Band auto
RLV: 0.10dBm RB 3kHz VB 3kHz



CF: 28.1250MHz Span: 200kHz

MKR: 28.1518MHz AT 20dB
-12.04dBm ST 67ms Band auto
RLV: 0.10dBm RB 3kHz VB 3kHz

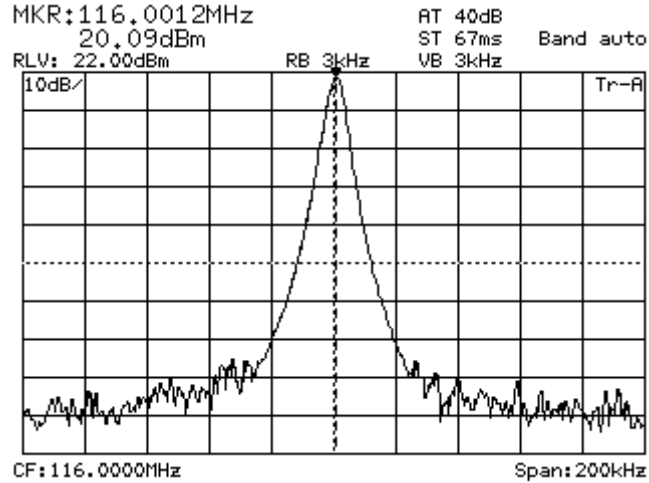


CF: 28.1250MHz Span: 200kHz

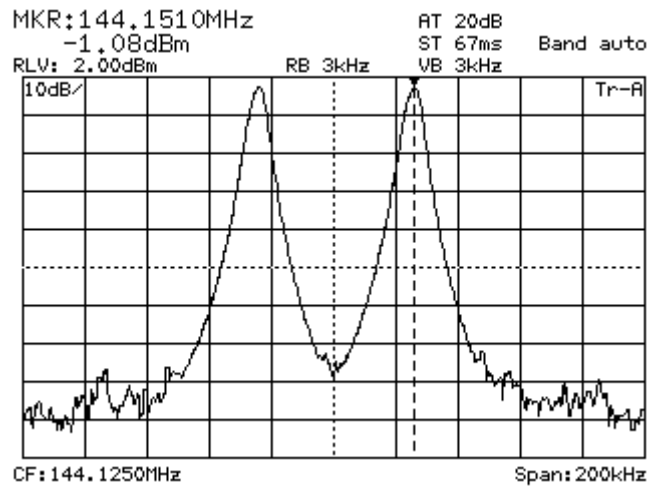
$$\text{OIP3} = 59,31/2 - 12,04 = +17,61\text{dBm}$$

RF1=144.1MHz RF2=144.15MHz

LO=20dBm Local frekvencia=116MHz

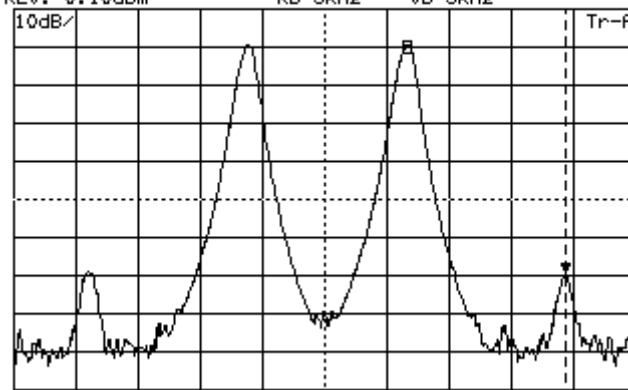


Local



$$IP3 = 59,64/2 - 1,08 = +28,74 \text{ dBm}$$

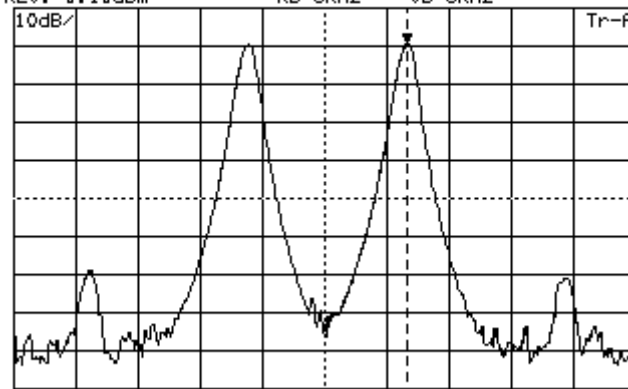
DLT: 51.2kHz AT 20dB
-59.64dB ST 67ms Band auto
RLV: 0.10dBm RB 3kHz VB 3kHz



CF: 28.1250MHz

Span: 200kHz

MKR: 28.1518MHz AT 20dB
-9.64dB ST 67ms Band auto
RLV: 0.10dBm RB 3kHz VB 3kHz



CF: 28.1250MHz

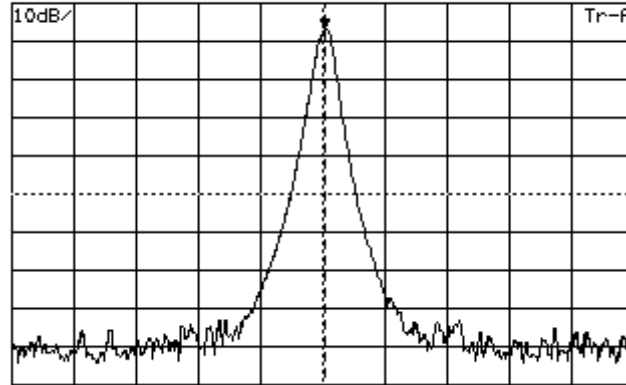
Span: 200kHz

$$\text{OIP3} = 59.64/2 - 9.64 = +20.18\text{dBm}$$

RF1=144.1MHz RF2=144.15MHz

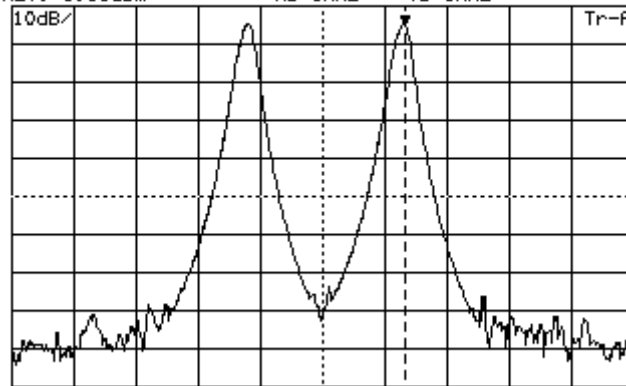
LO=21dBm Local frekvencia=116MHz

MKR:116.0012MHz AT 50dB
21.02dBm ST 67ms Band auto
RLV: 28.00dBm RB 3kHz VB 3kHz



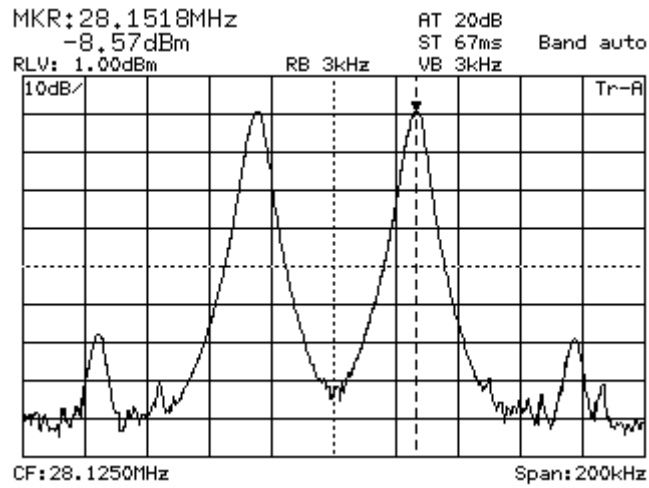
CF: 116.0000MHz Span: 200kHz

MKR:144.1518MHz AT 20dB
-0.32dBm ST 67ms Band auto
RLV: 5.00dBm RB 3kHz VB 3kHz

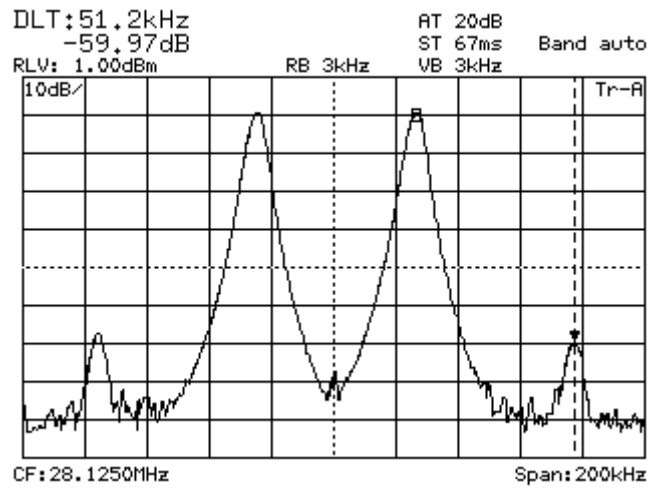


CF: 144.1250MHz Span: 200kHz

$IP3 = 30 - 0,32 = +29,68 \text{dBm}$

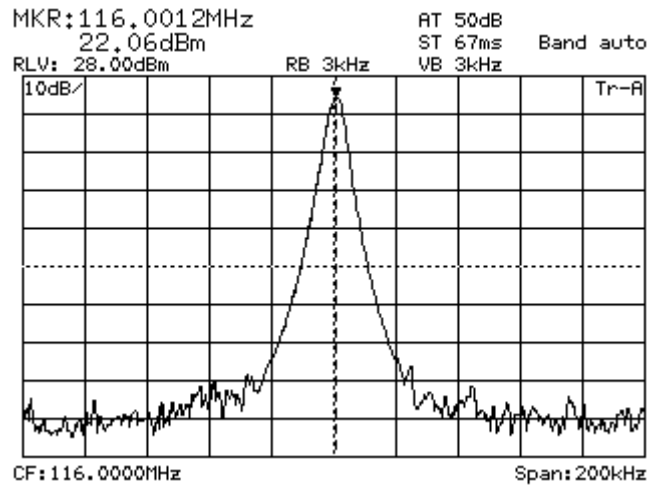


$$\text{OIP3} = 30 - 8,57 = +21,43 \text{ dBm}$$

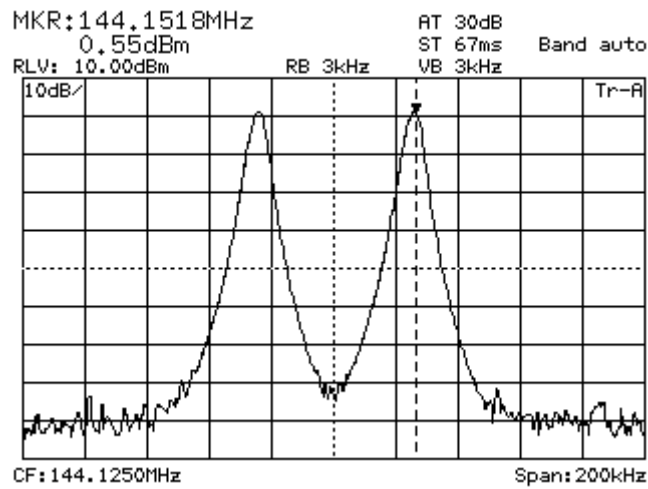


$$\text{RF1} = 144.1 \text{ MHz} \quad \text{RF2} = 144.15 \text{ MHz}$$

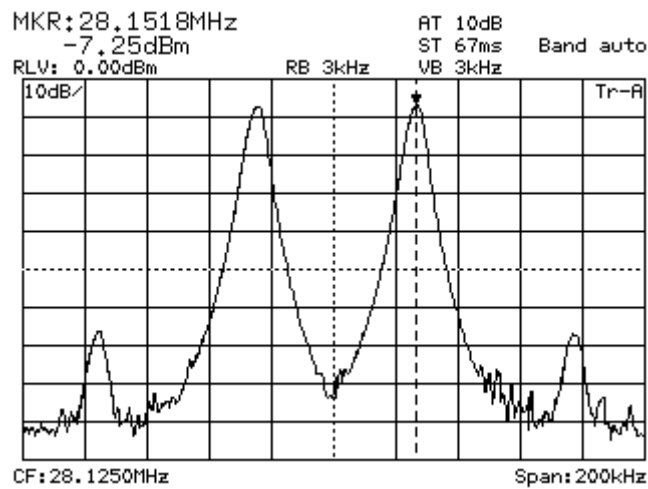
$$\text{LO} = 22 \text{ dBm} \quad \text{Local frekvencia} = 116 \text{ MHz}$$



Local



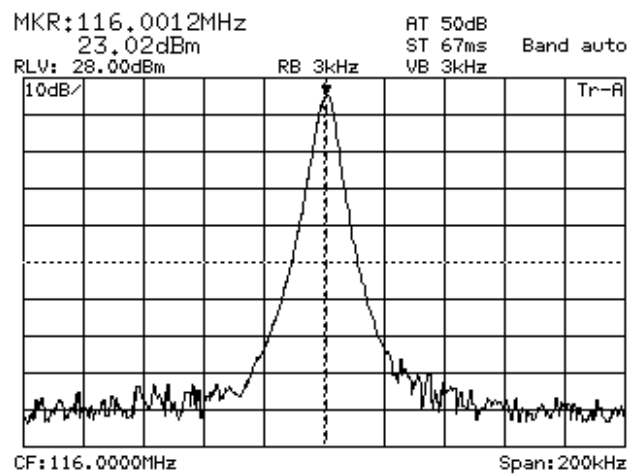
$$IP3 = 30 + 0,55 = 30,55 \text{ dBm}$$



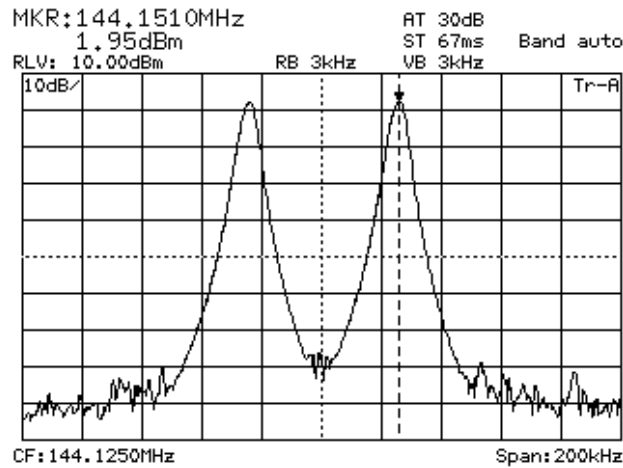
$$OIP3 = 30 - 7,25 = 22,75 \text{ dBm}$$

RF1=144.1MHz RF2=144.15MHz

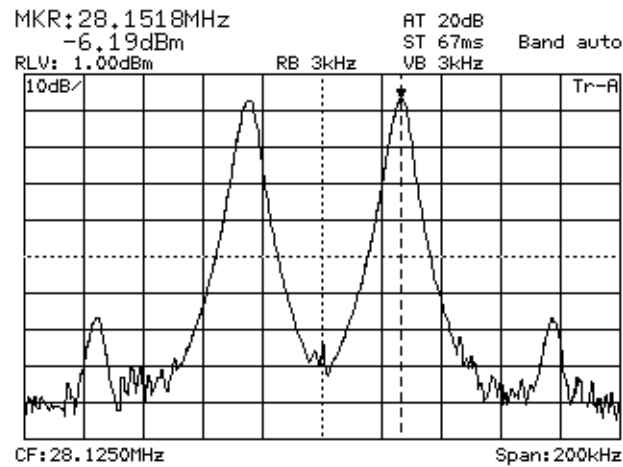
LO=23dBm Local frekvencia=116MHz



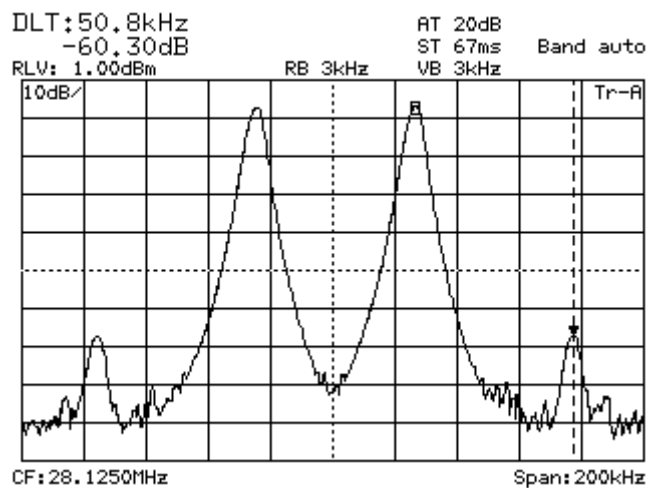
Local



$$IP3 = 60,30/2 + 1,95 = 32,1 \text{ dBm}$$

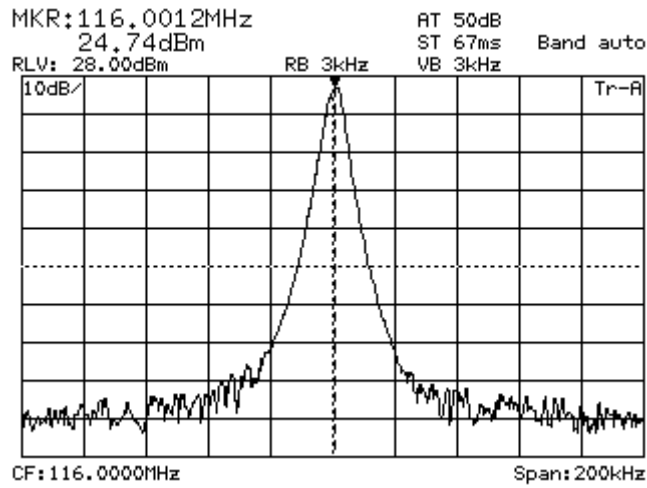


$$OIP3 = 60,3/2 - 6,19 = 23,96 \text{ dBm}$$

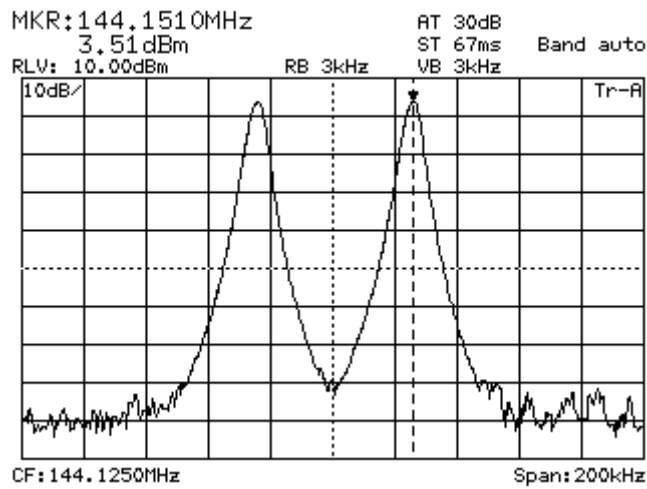


$$RF1 = 144.1 \text{ MHz} \quad RF2 = 144.15 \text{ MHz}$$

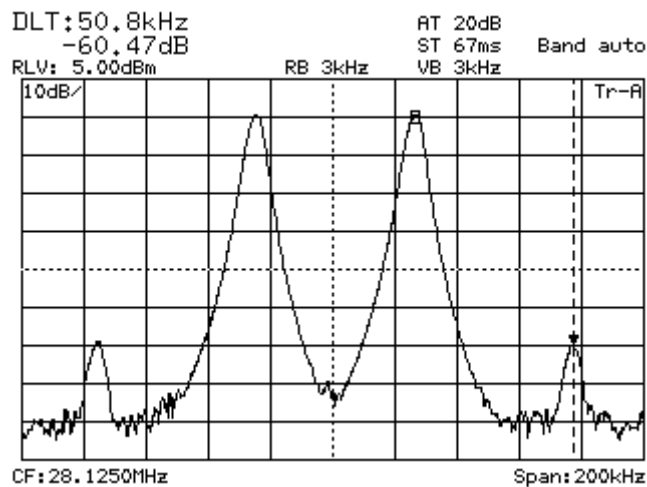
$$LO = 24,74 \text{ dBm (optimum)} \quad \text{Local frekvencia} = 116 \text{ MHz}$$

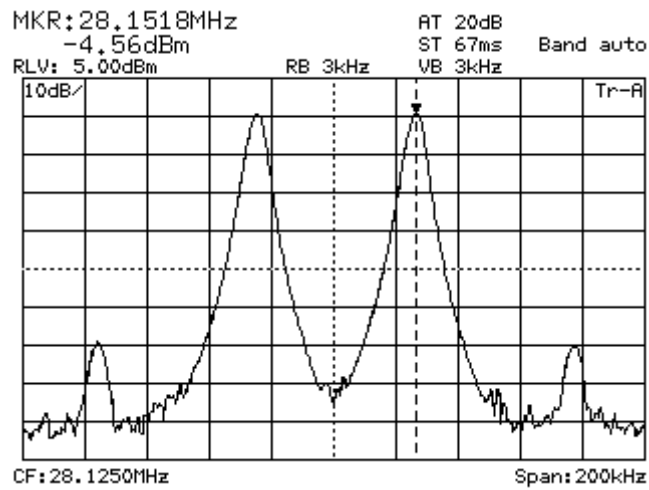


Local



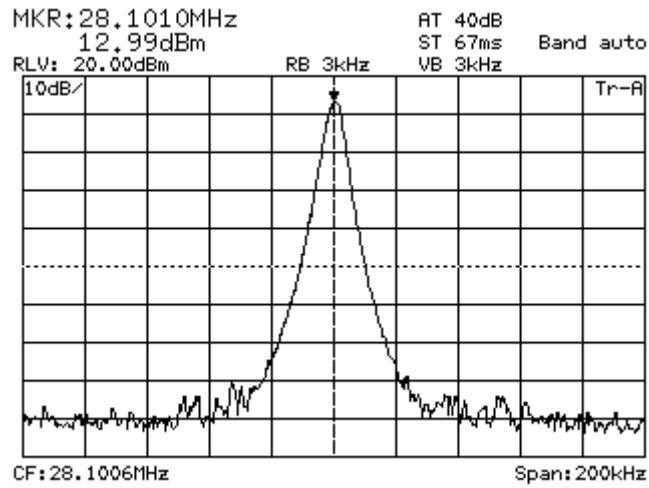
$$IP3 = 60,47/2 + 3,51 = 33,74\text{dBm}$$



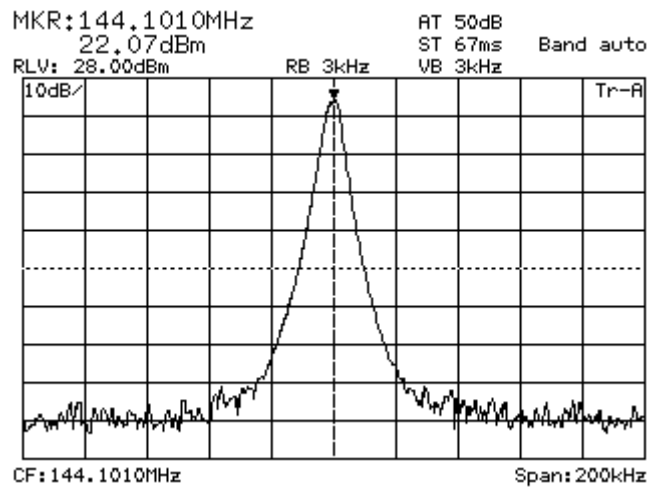


$$\text{OIP3} = 60,47/2 - 4,56 = 25,67\text{dBm}$$

Kompressziós pont mérése



KF kimen ōjel



RF bemen ōjel