

Undersampling 6m Tx test result

ji1udd

Measured output power and IMD3 when using TxDAC

Test Setup

CVA9 + HL v1.22 + Basic Frontend v1.0 with TxDAC Balun (BN43-2402 BF2T + 4T) + Amp

Interpolation OFF, IAMP Disable

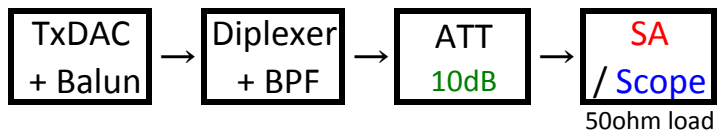
PowerSDR, Freq 23.528MHz(=50.200MHz), DriveLevel 100

IMD : TwoTone 700Hz+1700Hz

Output Power : TUNE mode

Result

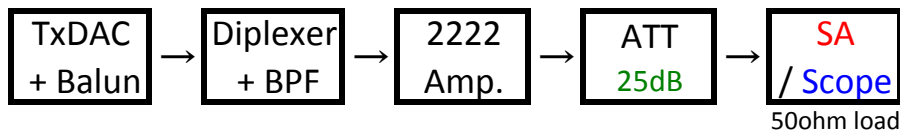
1. No Amp.



IMD3 (dBc) Output(dBm)

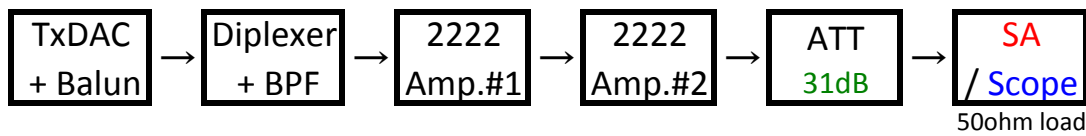
-63
(Fig1) -10

2. Single stage 2222 Amp.



-60
(Fig2) +4

3. Two stage 2222 Amp



-36
(Fig3) +19

Output power is measured by scope without ATT

Fig.1



Fig.2

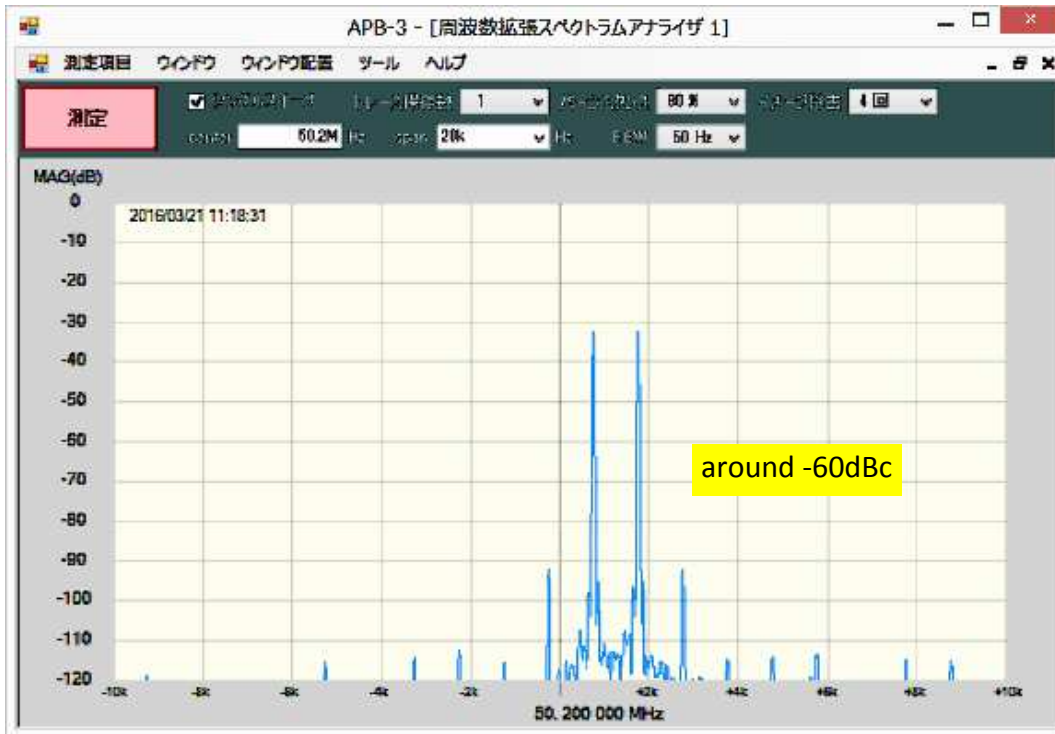


Fig.3

