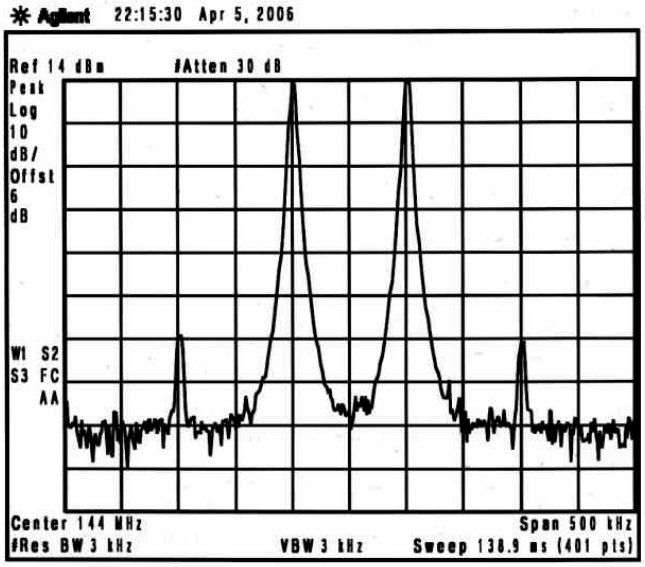
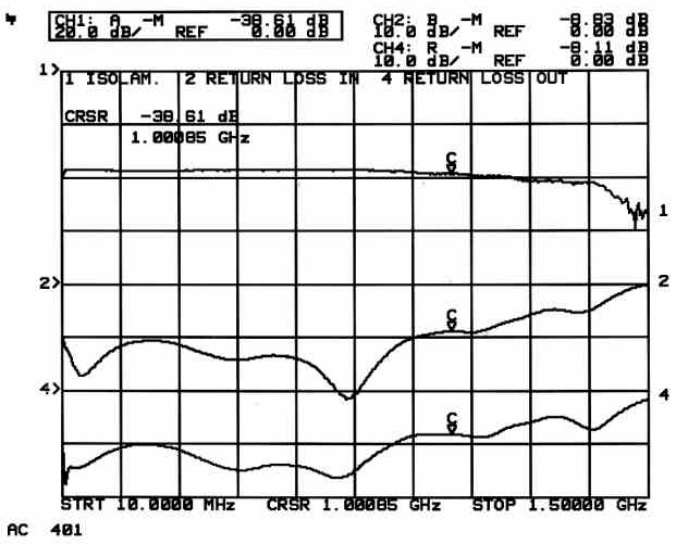
È qui riportato il test completo effettuato sul modulo lineare RFHIC 2F3632, è interessante notare la misura di isolamento inverso che mostra un valore di circa 38dB sull'intera banda.

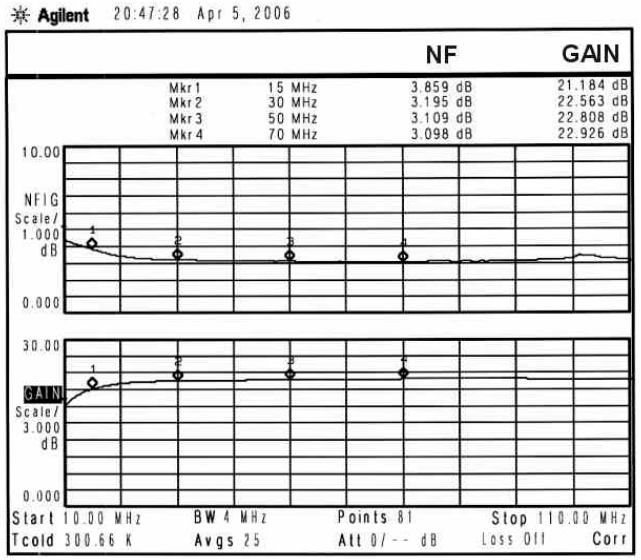
Modulo lineare 2F3632, alcune prove di laboratorio (a 50Ω)



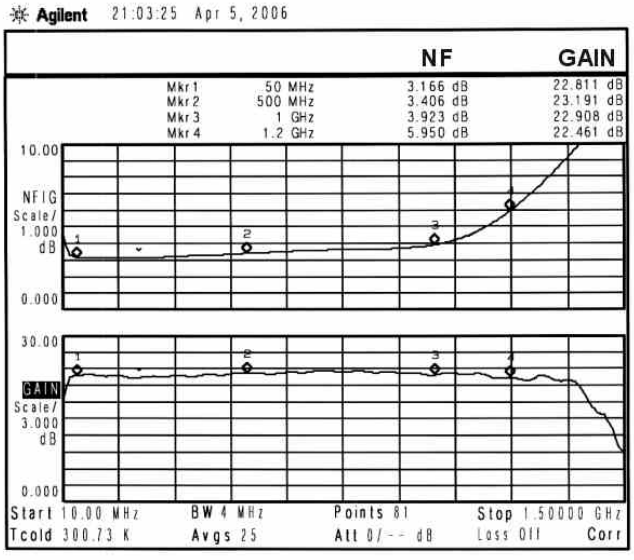


Traccia 1 = Reverse isolation ~38dB (20 dB / div.)
Traccia 2 = Input return loss ~12dB (10 dB / div.)
Traccia 4 = Output return loss ~12dB (10 dB / div.)

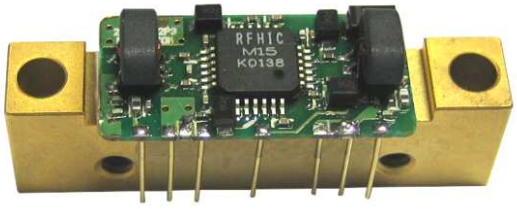
test IMD @ -60dB, out level 2 toni da +14 dBm



Noise Figure + Gain 10 - 100 MHz



Noise Figure + Gain 10 - 1500 MHz



Per concludere, come stadio pilota di questi moduli banda larga sono disponibili alcuni circuiti integrati, sempre a banda larga, come ad esempio i moduli Philips serie OM, i circuiti integrati Motorola serie MWA o HP/Avantek GPD, GPO e UTO, vedere la sezione MMIC.

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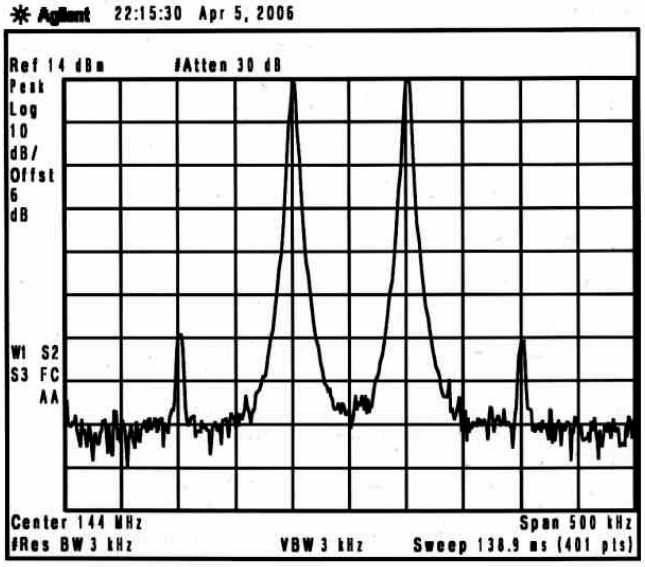
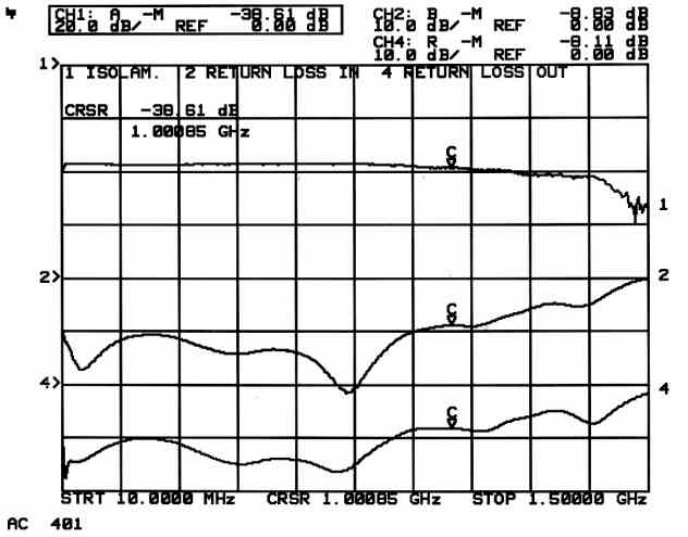
Here you can find a complete test report made on the RFHIC 2F3632 linear module, it is interesting to note that the measurement of reverse isolation shows a constant value of about 38dB on the entire frequency band.

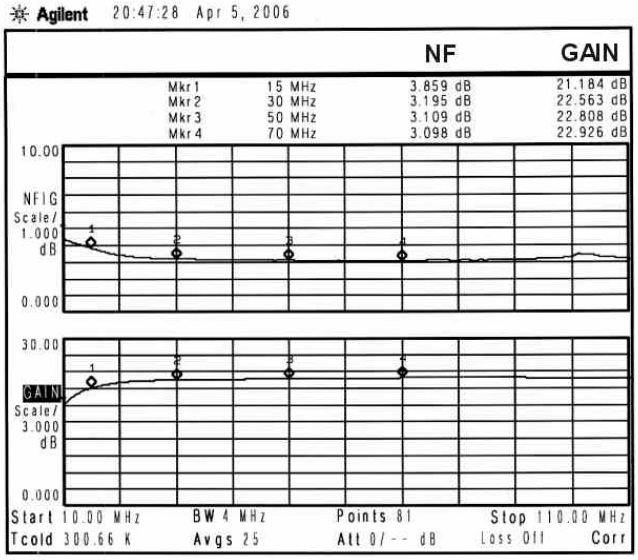
2F3632 linear module, some laboratory test (at 50Ω)



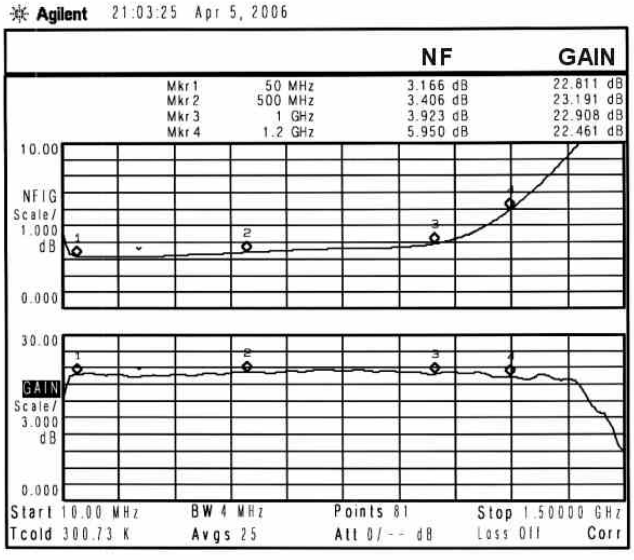


Track 1 = Reverse isolation ~38dB (20 dB / div.)
Track 2 = Input return loss ~12dB (10 dB / div.)
Track 4 = Output return loss ~12dB (10 dB / div.)

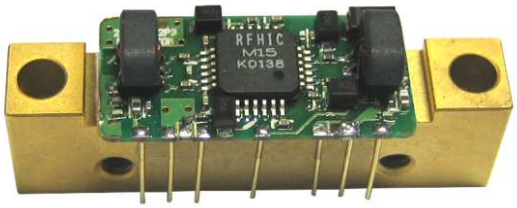
test IMD @ -60dB, out level 2 tones of +14 dBm



Noise Figure + Gain 10 - 100 MHz



Noise Figure + Gain 10 - 1500 MHz



Finally, as driver stage of these wide band modules, some ICs are available, always wide band, such as Philips modules OM series, the Motorola ICs MWA series or HP/Avantek GPD, GPO and UTO, see MMIC section.

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