

# PLLIRT1000-1600M

## PLL synthesizer

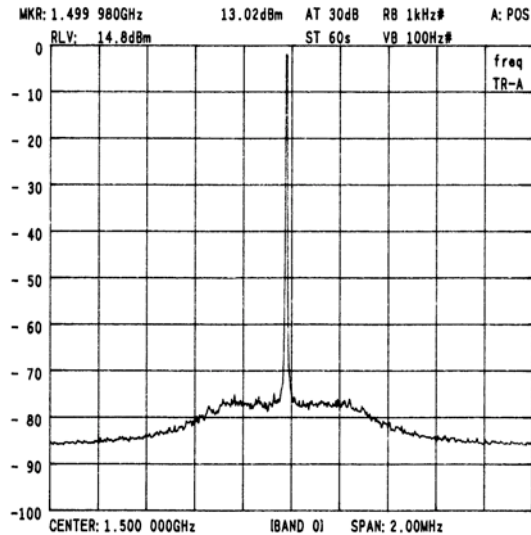
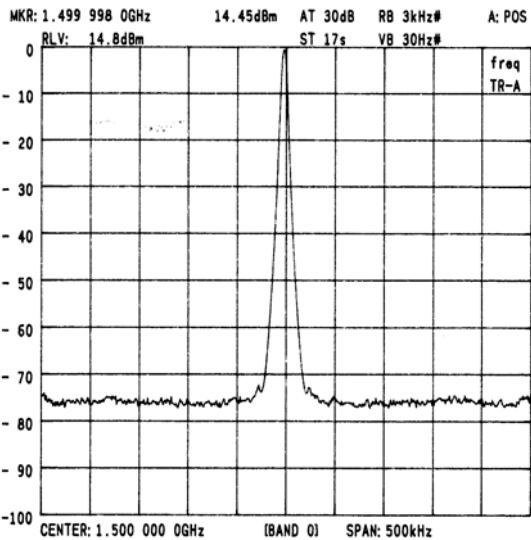
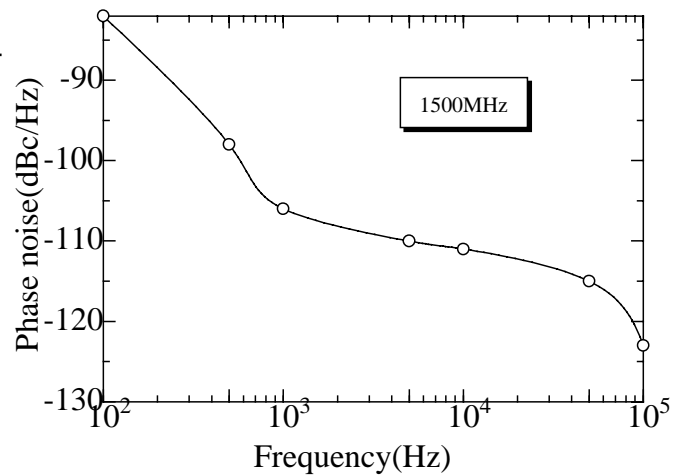
- Fine phase noise ;  $-82\text{dBc}/\text{Hz}(100\text{Hz})$
- Chanel space ;  $10\text{MHz}$
- Low power consumption
- Digital frequency control
- External  $10\text{MHz}$  lock
- Crystal reference built-in
- High power output



*Able to customize case and specification*

### *Electrical specification*

Output power	13dBm
Chanel space	10MHz
Harmonic distortion with LPF	$<-60\text{dBc}$
Supurious	$<-60\text{dBc}$
Phase noise	$-82\text{dBc}/\text{Hz}(100\text{Hz offset})$ $-105\text{dBc}/\text{Hz}(1\text{kHz offset})$ $-112\text{dBc}/\text{Hz}(100\text{kHz offset})$
Power supply	+12V(50mA) +5V(0.8A)
Dimension	TBD



Out.(MHz)	bit set
1000	000000
1010	000001
1020	000010
1030	000011
1040	000100
1050	000101
.	.
.	.
1590	101010
1600	101011

Phase noise spectrum at 1500MHz set