

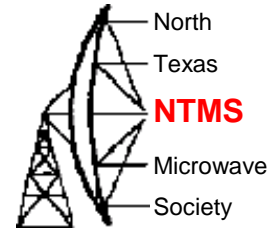
DB6NT MKU LO 8-13 PLL Phase Noise Results

Al Ward

W5LUA

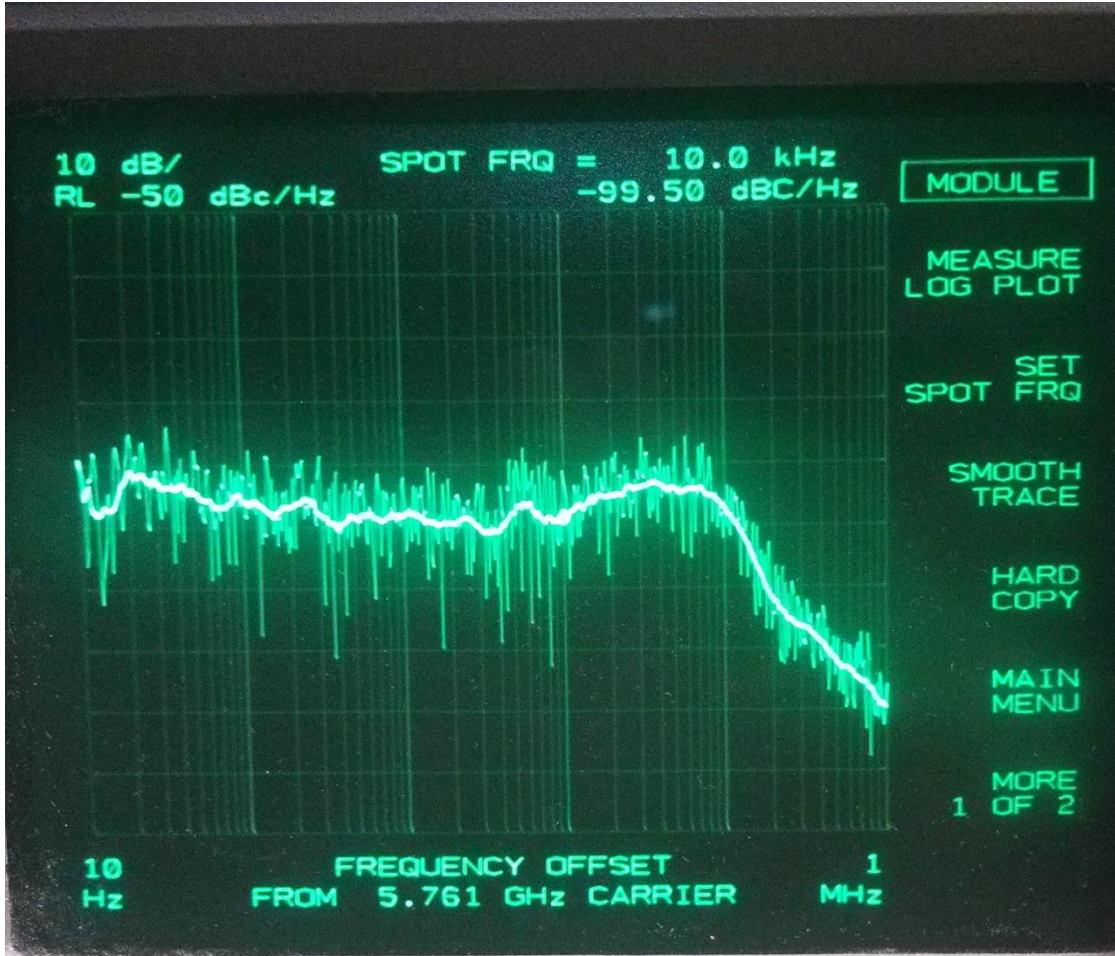
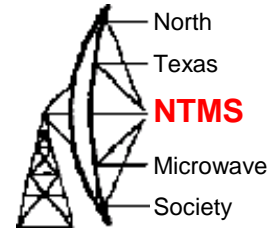
May 6, 2017

DB6NT MKU LO 8-13 PLL



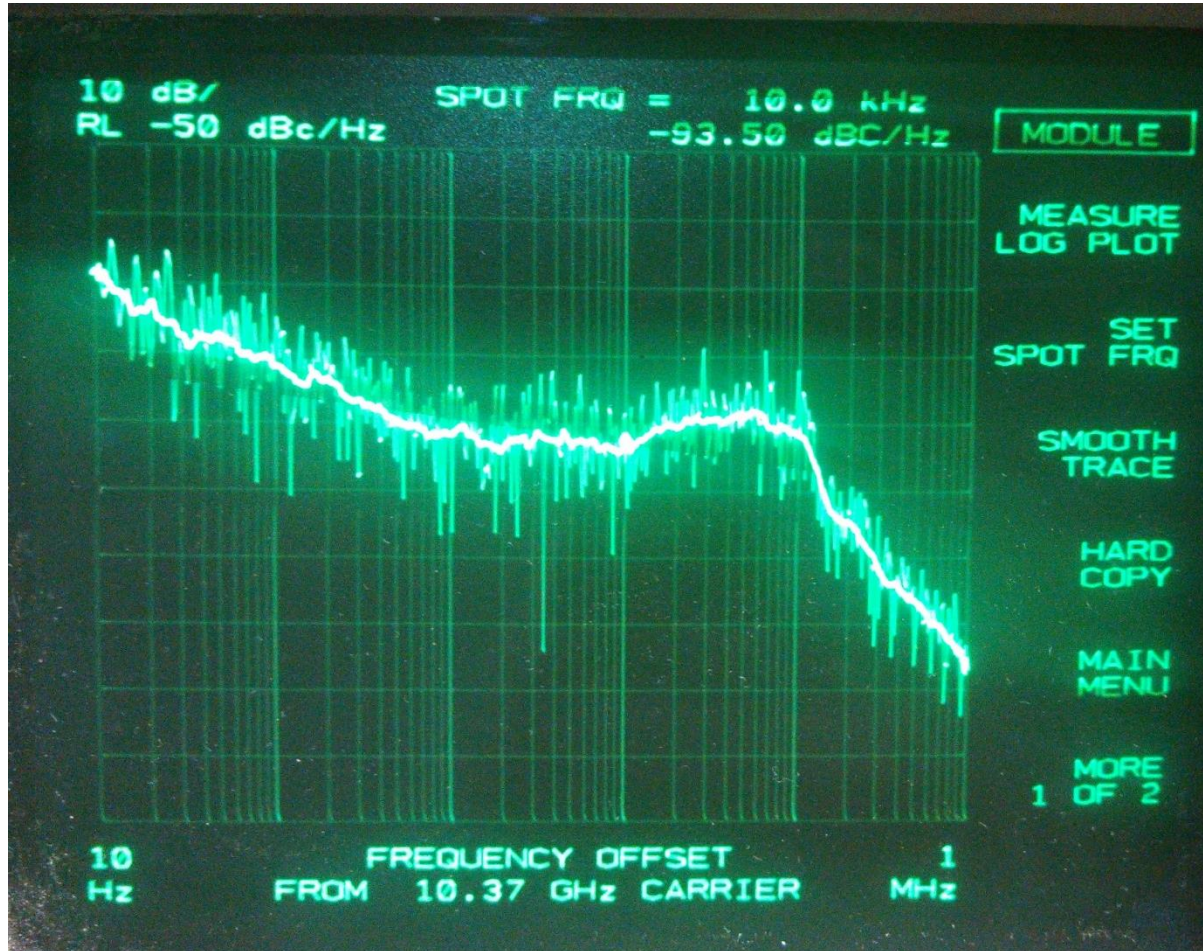
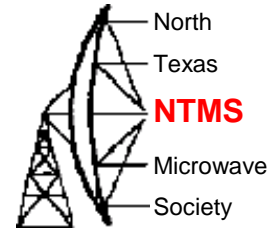
- Main output 8.4 to 13.6 GHz
- Aux output 54 MHz to 6.85 GHz
- Internal reference or external reference
- Can be externally on/off keyed for beacon operation
- Price approximately 400 USD

5760.900 MHz Phase Noise



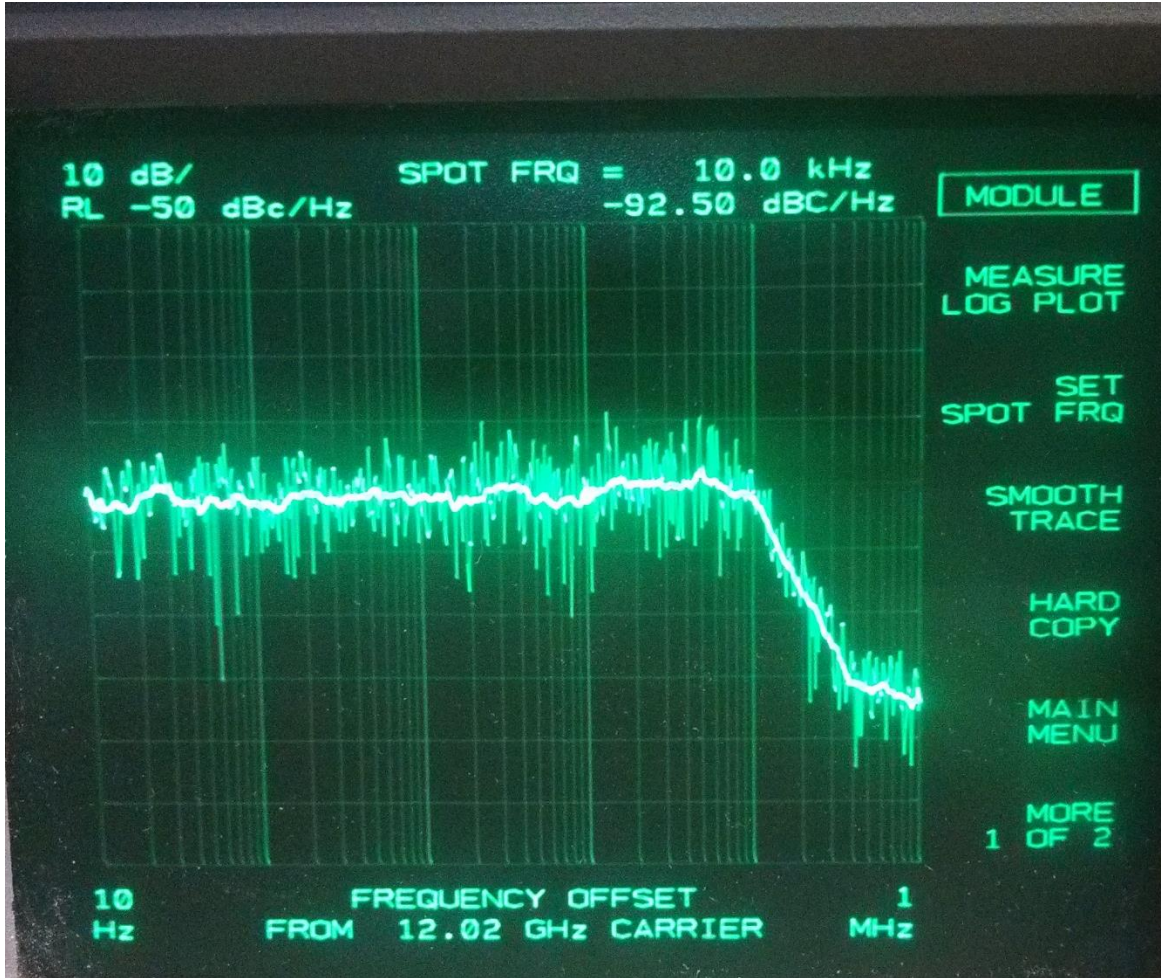
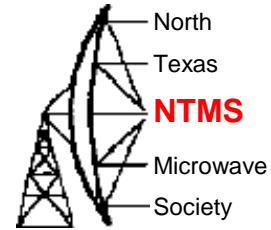
-90 dBc/Hz
@ at 10 Hz spacing

10368.900 MHz Phase Noise



-68 dBc/Hz
@ 10 Hz spacing

12024 MHz Phase Noise used with X2 as a 24192 MHz LO for a 2 m IF



-90 dBc/Hz
at 10 Hz spacing
Should be about -84
dBc/Hz at 24048
MHz