CARBON NANOTUBE RADIO

CNT BASED AM DEMODULATOR

C. Rutherglen, P.J. Burke
"Carbon Nanotube Radio"
Nano Letters, 7(11), 3296-3299 (2007)
Funding: ARO, ONR

http://www.youtube.com/watch?v=tfUdoIMOW5A
Similar Work

Nano-mechanical Radio
U.C. Berkeley

- Classical antenna
- Nanotube amplifier
- Nanotube mixer


Nanotube Transistor Radio
UIUC/NGST

Towards a single-chip, implantable RFID system


Nanosensors
CMOS Circuitry
OCA
On-chip antennas
TO SCALE

Hitachi (2004)
Singapore (2005)
Broadcom (2007)
Proposed (2008)
Future (2009-)
