



BENCH•FORGE

BY ENGINEERS. FOR ENGINEERS.

COLT

5-6 Ghz Signal Synthesizer UNII DFS FCC Radar Types

BREAKS THE PARADIGM OF WHAT
CAN BE DONE WITH INEXPENSIVE, APPLICATION
SPECIFIC-SIGNAL SYNTHESIZERS.



Intended use:
Developers
Certification labs
Pre-certification testing

Colt Price:
\$1495.00
(laptop not included.)

Desktop convenience and an affordable alternative for testing hardware developed to conform to UNII DFS FCC radar types. When used for pre-certification and in certification environments, it provides for faster development, test and debug turnaround than if only a single, expensive radar synthesizer were available.

COLT

Specifications

RF

Passband Ripple	< +/- 2 dB
Center Frequencies	4920, 4940, 4960, 4980, 5040, 5060, 5080, 5170, 5180, 5190, 5200, 5210, 5220, 5230, 5240, 5260, 5280, 5300, 5320, 5500, 5520, 5540, 5560, 5580, 5600, 5620, 5640, 5660, 5680, 5700, 5745, 5765, 5785, 5805, 5825 MHz
Bandwidth	20 MHz
Tx Power	+10 dBm nominal
Oscillator Accuracy	+/- 10 ppm
Baseband Monitor	DC Coupled, Single-ended I/Q

Radar Synthesis

Radar Types	US/FCC Type 1-6, Optional (ETSI, Japan, Korea)
FCC Standard	FCC-06-096A
Frequency Resolution	< +/-5 Hz

Mechanical/Electrical

Size	4.72" L x 4.06" W x 2.09" H
Power Supply	5 VDC @ 1 amp

I/O

Serial	Serial DB-9
RF	SMA, non-reversed
Baseband I/Q	BNC
Digital Test Points	Multi-pin Header

UI Control

OS Supported	Windows XP/7 and Linux (tested on Ubuntu)
Required Software	.Net 2.0 or later
Radar Control	Easy to use UI with fully automated trials Logging of test parameters and results

Product Contents

- 1 - Colt
- 1 - AC to DC wall mount power supply
- 1 - Whip Antenna
- 1 - USB-to-RS-232 Serial Cable

Miscellaneous

UI Software	Updates available at www.benchforge.com
Return Policy	Will support a 15-day, money back return policy
Warranty	1 year parts and labor repair warranty