Signalscan Technologies LLC Colton, California 92324

Patented /Self-Powered RF Detection (SPRF) www.signalscantech.com

mW to kW / Hz to Ghz RF detection beacon monitoring lights & sound

"No battery RF detection light"

Basic SPRF usage and applications for Signalpen>™, Signalcube and Signalsquare

Fig.1

Fig.2

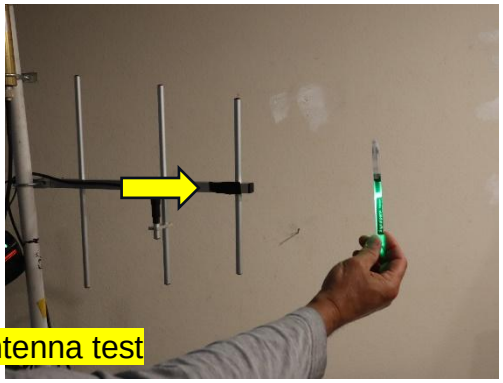

Fig.3 Signalpen>

Hold the **Signalpen>** in close proximity as illustrated. Do not hold and cover the whole pen area, pen needs a direct RF exposure from the source. Hold the pen on the end part of either side. If you need more attenuation or illumination level control, either move the pen away or closer from the RF source, or you may cover the expose part of the pen with your hand as you hold.

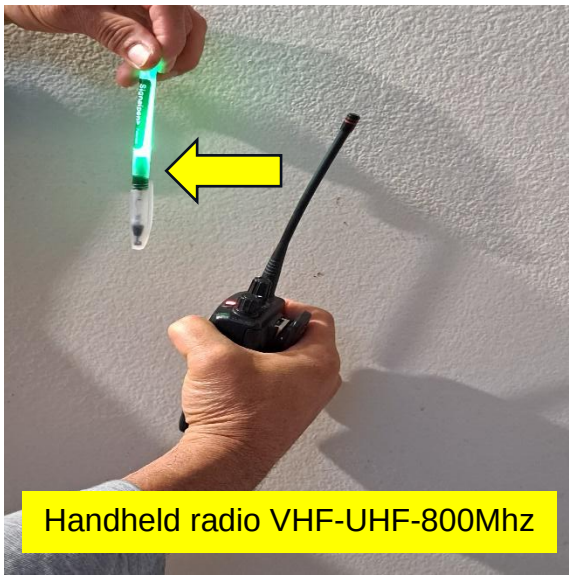

Fig. 4 Signalpen>

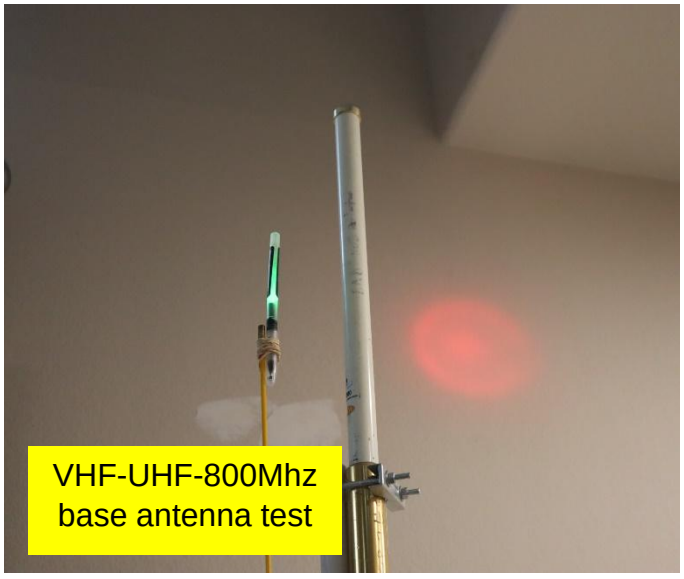

Fig.5 Signalpen>

You may use a temporary stick to reach the antenna in a higher location (tower, vehicle etc.)

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Basic SPRF usage and applications for Signalpen> , Signalcube and Signalsquare

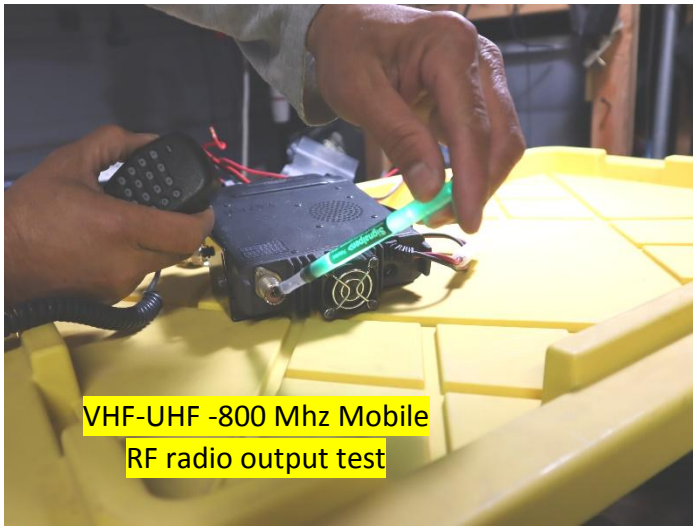

Fig. 6 Signalpen>

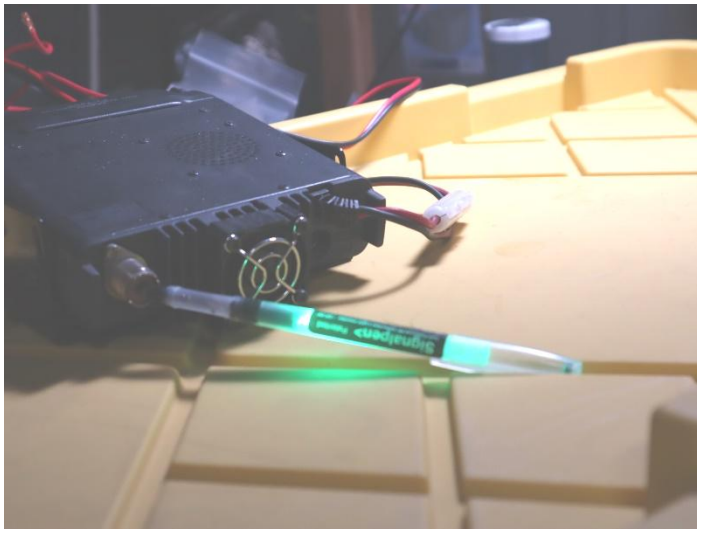

Fig.7 Signalpen>

Note: When testing the radio RF output directly from the radio portable or mobile, make sure that you will only need a short period of time to PTT (1/4 to 1 second) so not to damage your radio's RF amplifier. This applies to HF-VHF-UHF-800-1.2Ghz radios since this is a broadband RF tool.

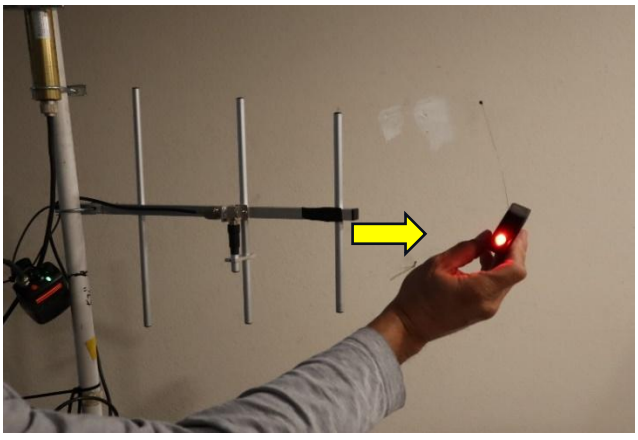

Fig. 8 Signalsquare

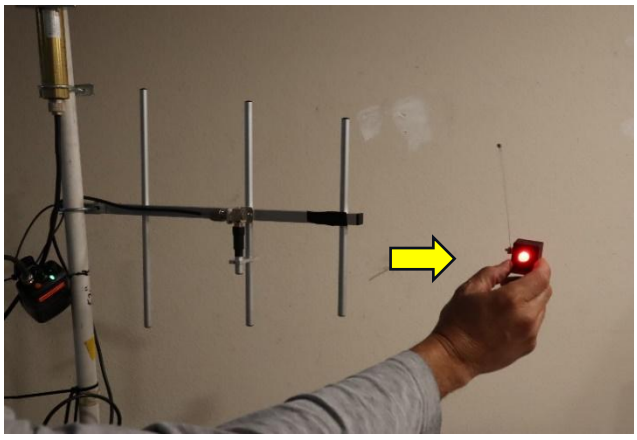

Fig.9 Signalcube

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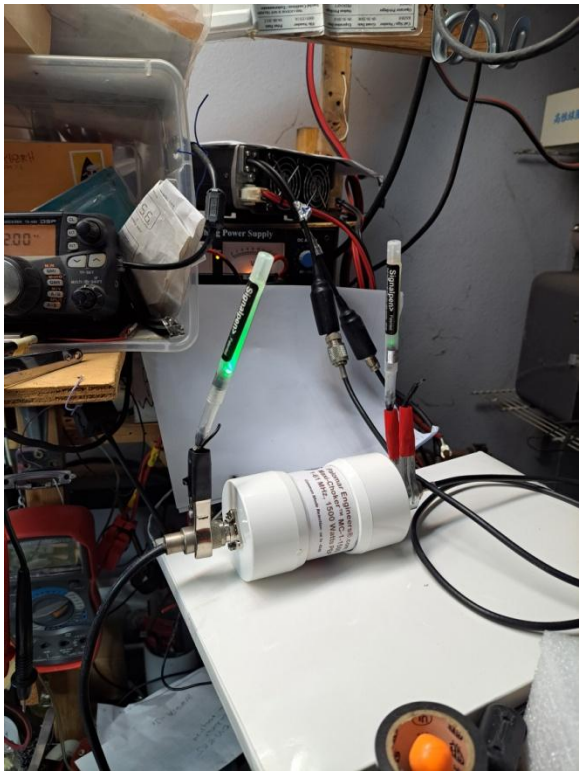

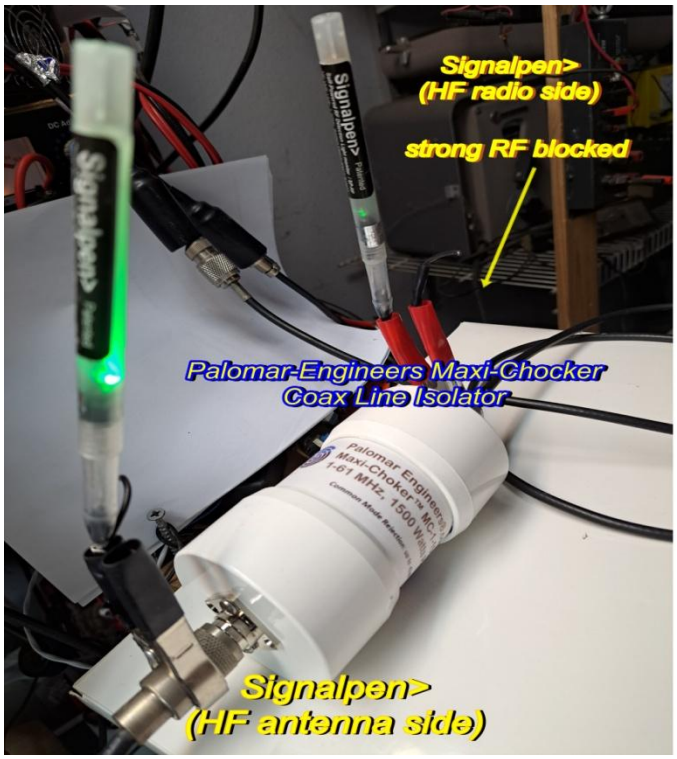

Fig. 10 simulation test on Palomar Engineer's RF Maxi-Chocker Fig. 11

MAXI-CHOKER Coax Line Isolator/Choke, 1-61 MHz, 1.5/3KW/5KW, up to -60 Db Common Mode Rejection

PALOMAR ENGINEERS®

RFI Solutions from KHz to GHz

RFI

Fig.12 transmitter monitoring / Signalsquare

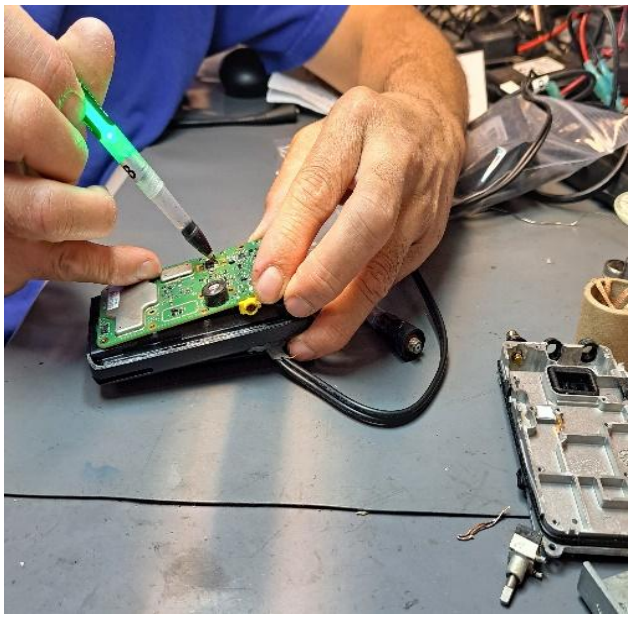

Fig. 13 Radio RF circuit tracing on HF-VHF UHF-800Mhz-1.2Ghz (2.4 - 6Ghz optional)

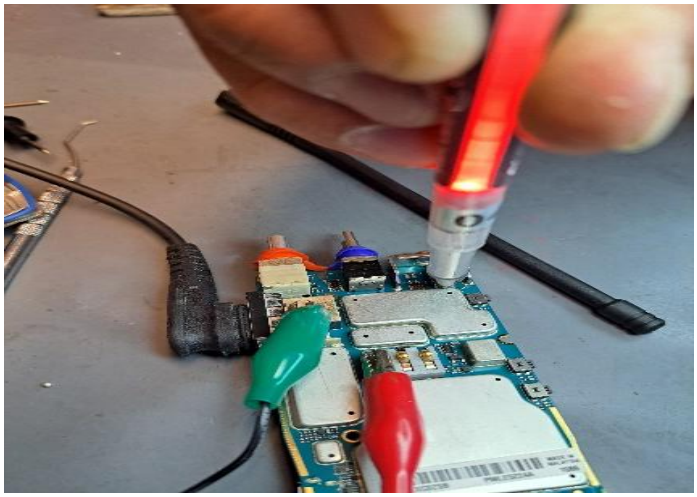

Fig. 14,15,16 Signalpen> on radio RF circuit board troubleshooting and tracing -device can detect as low as 50milliwatt up to 1.2Ghz (2-6Ghz optional)

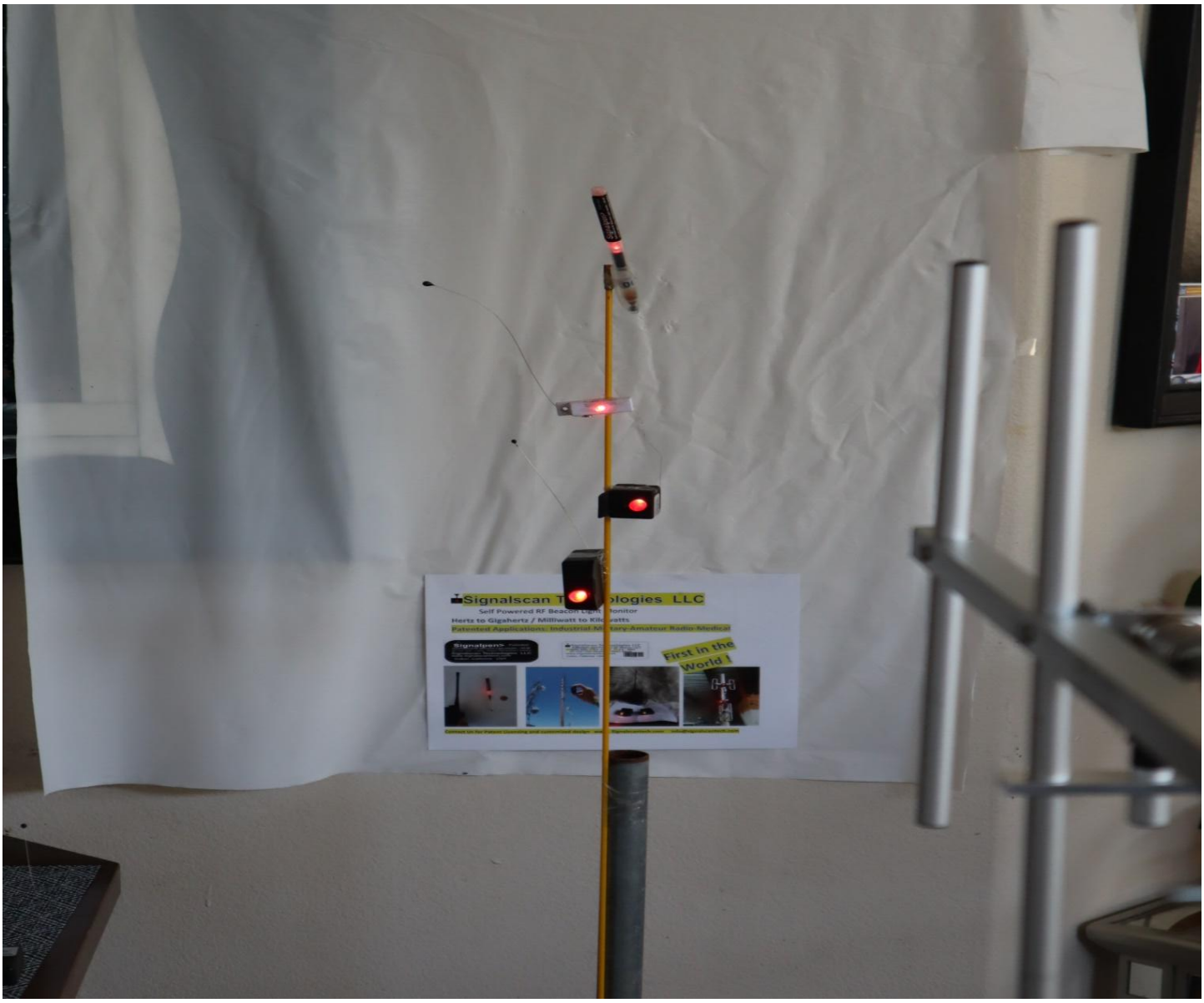

Fig. 17 Signalscan multi design RF detectors- simulation on Yagi antenna 5 feet away on 25 watts UHF band.

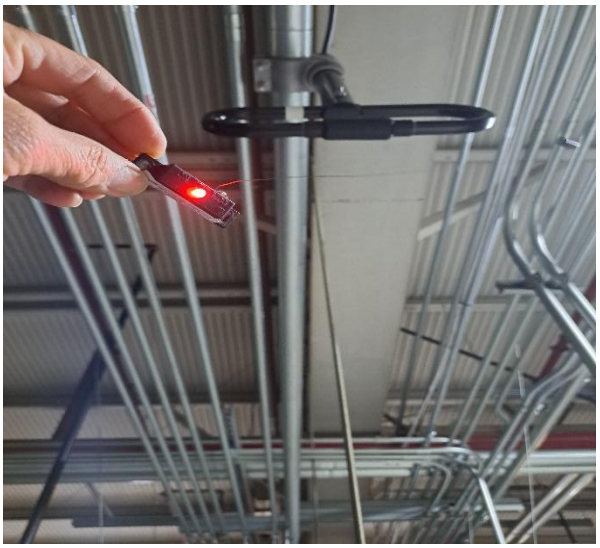

Fig.18 Testing DAS antenna system

Fig.19 Signalpen> ,Signalsquare, Signalcube

“Your handy RF detection tools everywhere”

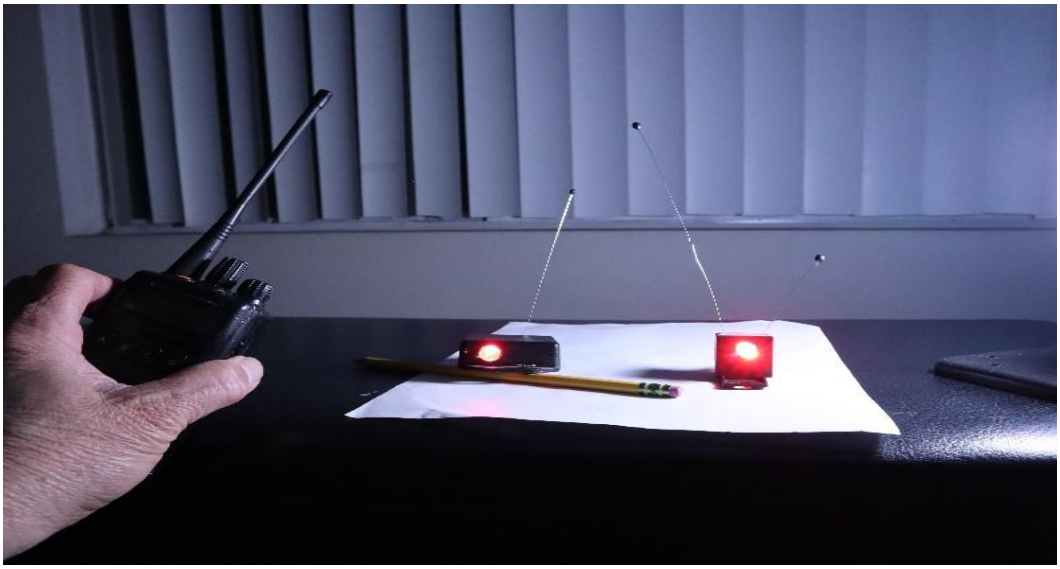

Fig. 20 Signalsquare with piezo sound + Signalcube

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