

sci.crypt: Re: suggestions needed: agent to local hq, using MW or FM band to transmit information

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From: Michael Amling (*nospam_at_nospam.com*)

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Max Power wrote:

- > *How can an agent contact a local HQ using a MW or FM band transmitter and*
- > *primitive signalling (like polytone or even Morse code) using the most*
- > *primitive of equipment.*
- >
- > *For MW transmission, frequencies in-between local high power carrier waves*
- > *seems to be safer with respect to escaping detection as most receivers are*
- > *digital these days and cannot tune in-between channels. The same concept*
- > *applies to FM, albeit I suspect that only Morse code would be used to keep*
- > *the transmission 'narrowband'.*

Modern FM tuners, even pre-digital, lock on to the strongest of several signals at a give frequency. Casual FM listeners won't hear your agent's broadcast unless it's so close that it's the strongest signal. I expect there are tricks that HQ can use to extract your agent's signal.

- > *I am assuming some crypto comes into play, but 'simple' hard crypto is*
- > *preferred conceptually.*

You can encipher your message into alphabetic ciphertext, then send the ciphertext using Morse code.

—Mike Amling