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UFO UpDates Mailing List

Re: UFO Studies

From: Mark Cashman <mcashman@ix.netcom.com>
Date: Fri, 30 Jan 1998 11:11:08 -0800
Fwd Date: Fri, 30 Jan 1998 12:45:08 -0500
Subject: Re: UFO Studies

> From: galevy@pipeline.com
> Date: Tue, 27 Jan 1998 22:51:02 -0500
> To: UFO UpDate <updates@globalserve.net>
> Subject: UFO Studies

> As regards to EM effects on vehicles stopping car engines some
> time ago I posted an extract from an Air Force document which
> noted that device capable of doing just exactly that had become
> an operational weapon.

I must have missed the post - thanks.

However, you'll note I mentioned that this sort of research might be being done by the government but was not being done by private researchers, which was my focus in the paragraph you reference.

Since we don't know what the frequencies are that might be used by such a weapon, it is hard to interpret the observable side effects of such a weapon. If in normal frequency ranges, however, we might expect extensive and long-range interference with the frequency in question, due to the proclivity of radio waves to travel long distances in the atmosphere, at least within line of sight.

However, it seems to me that a) most static from UFO events is localized to within a few hundred feet of the object. b) the effects associated with EM include causing batteries to boil, component burn out, etc, but these only happen within extremely close range, c) RF weapons might be expected to have effects similar to microwave, including induced core heating, etc.

The brief mentions of HPRF in your referenced document mention effective ranges on the order of tens of kilometers, which seems to be in conflict with most UFO EM cases. Also, at least one case indicates that a diesel generator was interfered with in such a way as to imply that the induction of current in generator windings or other wiring was occurring, which is not an obvious side effect (to me, anyway) of HPRF.

The presence of heat in some cases may well be a signature of HPRF, but there are a myriad of others where no such effect occurs.

It is also not clear how to account for the well-known restarting of auto engines in the presence of HPRF. The AF document is unclear as to the persistence of HPRF effects, but there is some implication that the effects are permanent, and not just present during HPRF focus.

However, there is no question that close proximity to RF seems to be able to cause problems with power. Here's one example:

"A cellular provider in the Midwest encountered a hair-pulling problem. From time to time, for no apparent reason a key cell site would go off-line. Each time it was a hard crash requiring a maintenance visit and at least an hour of downtime. The troublesome crashes continued frequently and jeopardized the customer's overall system quality perception. After investigating possible causes it was discovered that a 2-way radio repair shop was located in the same business complex. A correlation was established between tests on 47MHz State Forestry Department radios and the cellular system crashes. RF signals from those radios were strong enough to bring the cellular system to its knees when they overloaded the DC power system controllers. The solution was to install an RF shielding system around the cellular equipment room =97 completely eliminating the problem."

<http://www.lbagroup.com/associates/emi.htm>

What's interesting here is the effect of the powerful 47MHz signal on DC power system controllers.

There is more on symptoms of RF EMI in cellular systems which may be of interest

Unusual test equipment malfunctions.
Intermittent power supply regulator problems.
Transient, undesirable audio, digital or video noise superimposed on signals.
High rate of unexplainable signal outages.
Poor or unreliable coverage from certain sites.

<http://www.lbagroup.com/associates/lbatn109.htm>

Also

"Sites located near AM broadcast stations that have effective radiated powers up to 250,000W may be subjected to intense electrical and magnetic fields, which couple into equipment through coaxial cables, telco lines, and grounding and power lines. Fundamental and harmonic frequencies of AM stations and their modulation components overlay common audio, data, T-carrier and clock spectra. The potential for system disturbance is enormous. Towers commonly associated with wireless sites actually =93concentrate=94 the AM broadcast signal to local values far in excess of free-space predictions."

While these effects may be of interest, again, the implication is that such effects are within a wide range and require significant power. We do have UFO visible light emission levels in the MW power range, so output similar to that cited above is certainly no problem. More information is needed, however on side effects, and especially biological effects of such radiation, so that we can look for similar effects in our EM cases.

However, it is also clear that a UFO releasing a quarter of a million watts of radio energy into the atmosphere would be as observable and trackable as a nova. There is no real evidence of this.

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