

For Attn. of Dianna Kennedy. Ofcom.

Individual response to Draft
Document dated 21 April 2005
concerning proposed release of
license free allocations @
24Ghz for Automotive Industry Car
Radar developments.

This viewpoint is offered from a Licensed Radio
Amateur, member of R.S.G.B and UK
MICROWAVE GROUP with strong objection to loss
of the very small Microwave allocations in a band
which only recently has become cost effective for
long distance SSB telephony communications due
to surplus/used commercial obsolete
semiconductors /equipment being made available to
the amateur!

I Adrian Philip Ball, Amateur callsign
G8PSF, of 20 Inverness Avenue Enfield, Middx.
EN13NT, use and have constructed 24 ghz.
telephony transceiver equipment.
It has taken over TEN years to effectively to perfect
my equipment to its current RF power output of 800
milliwatts and sub. noise figure of 3 Db. (on receive)
I propose this summer to start going out /P (portable
operation) on hilltops to participate in our Radio
Society (R.S.G.B) contests.

Now a "BOMBSHELL" is put into all the
years of investment (Pocket money) into 24Ghz.
equipment (Around £1000) by the 24Ghz Ofcom
Proposals ,which I see as effectively

removing amateurs from this tiny frequency slot at 24ghz.

It seems totally in disregard to the huge "Free time" technical hands-on input that us Amateurs put into Microwave Application Engineering! Yes that is what it is "HANDS ON" technical development and tweaking by, what is, scores and scores of individual unpaid engineers doing a vast amount of experimental work, to which dozens and dozens of Amateur Technical Papers are read out at Amateur Radio Convention WORLDWIDE! , like innovative frequency stability techniques, Antenna driven radiator techniques, Propagation Mode Phenomena Observations and practical radio engineering innovation techniques!

Our findings are factual and re-read by PROFESSIONAL ENGINEERS, YES those that earn their living by developing microwave equipments. WE do it for free- it COSTS us MONEY, but we are delighted if only a small part of our findings seep back into the Professional Scientific World to make Communication Science BETTER for all!

I would like to think that Ofcom could "manage" a compromise of mutually agreed co-habiting with the proposed professional users of 24Ghz.

It could be achieved with lower powers of transmitted emissions? It could be achieved on

reduced Amateur Band Allocation within 24ghz also with limited modes of operation? i.e Narrow Band modes only? Or better still reduce, further, the lease time factor of 24Ghz. to the AUTOMOTIVE INDUSTRY to encourage them to speed up developments at 79Ghz.! And pass back 24Ghz. to us quickly!

If NONE of such suggestion can be used, then I AM very sorry to say ALL of my efforts over a decade on 24Ghz. and private investment is dumped on the scrap heap. Very little of our 24 Ghz. microwave components can be converted to other Microwave Amateur Frequencies! It is NOT like the short-wave spectrum where only the remaking tuned coiled wire inductances and easily larger value capacitances changes the BAND coverages.

I am Now 70 but of course retired, and I have been using higher and higher VHF/UHF/Microwave frequencies over a period of 25 years or so.I shall not have too much longer to try and enjoy Amateur Microwave Communication!

Please try to do us the justice of leaving coveted parts of our allocated radio spectrum in place!

If not, it is a fact, it`s all DEAD and buried with allot of us like myself, eventually. following on very saddened! I rest my case on behalf of ALL radio amateurs.

I am, Yours Sincerely A.P.BALL. G8PSF.
member R.S.G.B and UK MICROWAVE GROUP.