

CERTIFICATE OF AUTHORITY

FOR

* WIRELESS EXPERIMENTS IN
BRITISH ZONE

This is to certify that . Sgt. STACE, . J.H. . . . 551776
located at Gelldorf nr. Bückeburg
A.P.O. address:- Tx Site
Air Headquarters BAFO
. R.A.F. . . B.A.O.R. 29
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is hereby authorised to conduct experiments in wireless subject to the conditions as set out below.

1. POWER AND FREQUENCIES - Messages shall be sent only on frequencies within the bands and by the types of emission specified hereunder and the total D.C. power input to the anode circuit of the valve or valves energizing the aerial shall not exceed that shown against the respective frequencies.

<u>Power in watts</u>	<u>Frequencies in kilocycles</u> <u>per second</u>	<u>Types of emission</u>
.....10.....	1800 - 2000	A1 A2 A3
.....25.....	3500 - 3635	A1 A2 A3
.....25.....	3685 - 3800	A1 A2 A3
.....25.....	7000 - 7300	A1 A2 A3
.....25.....	14000 - 14400	A1 A2 A3
.....25.....	28000 - 30000	A1 A2 A3
.....25.....	58500 - 60000	A1 A2 A3

The use of "spark" sending apparatus is specifically forbidden, Unrectified alternating voltage shall not in any circumstances be employed for the H.T. supply to the sending apparatus, and the H.T. supply shall be so smoothed that the value of the residual ripple voltage does not exceed 5% of the D.C. voltage.

2. FREQUENCY CONTROL AND MEASUREMENT. When in use, the sending apparatus shall be tuned to a frequency within an authorised band, which frequency shall be so selected and maintained that no appreciable energy is radiated on any frequency outside the limits of the band with and without the modulation applied, due allowance having been made for the inaccuracy of the calibrating device. A satisfactory method of frequency stabilisation shall be employed in the sending apparatus.

Where the sending apparatus is not crystal controlled there shall be kept at the station, and used whenever necessary (and on all occasions when the frequency used for sending is changed), a reliable frequency meter of the piezo-electric type for measuring