Sports Aviation Federation of Australia
21 / 54 Commercial Place
Keilor East – Victoria – 3033
(03) 9336 7155 – office@hgfa.asn.au
www.safa.asn.au – ACN: 635 378 139

SAFA UHF & VHF Radio Frequencies Ver: 20201007

UHF Radio Frequencies:

The SAFA has purchased rights for use a specified UHF frequency nation-wide for the benefit of members to minimize the amount of interference of radio chat received on general citizen bands.

To further enhance the use of the frequency additional sub-tones should be programmed offering three alternative channels.

Channels should be programmed as per the table below with Channel 1 being the primary channel and channels two through four with sub-tones 82.5Hz, 110.9Hz, 151.4Hz and 192.8Hz respectively. (See chart below.)

These channels can be programmed into any radio that has programmable options by dealers or persons with the appropriate cable and software.

CHANNEL	FREQUENCY	POWER	BANDWIDTH	CTCSS	BUSY CHANNEL LOCKOUT
SAFA1	472.125 MHz	5 WATTS	12.5 kHz	192.8 Hz	Y*
SAFA2	472.125 MHz	5 WATTS	12.5 kHz	82.5 Hz	Y*
SAFA3	472.125 MHz	5 WATTS	12.5 kHz	110.9 Hz	Y*
SAFA4	472.125 MHz	5 WATTS	12.5 kHz	151.4 Hz	Y*
SAFA 5 OPEN	472.125 MHz	5 WATTS	12.5 kHz	--	--

*Channel Busy Lockout inhibits Tx while the frequency is being used by another operator e.g. Two HGFA clubs are in communication range will not be able to transmit over the top of one another.

2020 Update - Note that our UHF license previously allowed a channel bandwidth of **25 kHz** – due to an ACMA review of all UHF licenses and bandwidth allocations, all UHF frequencies in this band are now limited to a bandwidth of **12.5 kHz** – this will mean that many radios need to be reprogrammed.

Other 2020 license conditions -

This service must not cause interference to radioastronomy services operating within the Australian Radio Quiet Zone Western Australia (ARQZWA) as defined in the Radiocommunications (Mid-West Radio Quiet Zone) Frequency Band Plan 2011. This service is coordinated as per the consultative process and coordination zone parameters (Table 1 of the Annex) of the Radiocommunications Assignment and Licensing Instruction 'Coordination of Apparatus licensed Services within the Australian Radio Quit Zone Western Australia' (RALI MS32).

A land (base) station authorised under this licence, when operating with an equivalent isotropic radiated power (EIRP) exceeding 8.3 Watts EIRP, shall not be sited within 200 metres of a radiocommunications site with licensed 400 MHz band services, as recorded on the Register of Radiocommunications Licences (RRL). Reference to 400 MHz band services is taken to mean radiocommunications services licensed in accordance with Radiocommunications Assignment and Licensing Instruction MS22 (the 400 MHz Plan).

VHF Airband Radio Frequencies:

The SAFA have arranged these frequencies dedicated the SAFA use only Australia wide.
They are unmonitored and used for SAFA pilot to pilot chit chat, schools, and tow operations.

122.175 MHz -/- 122.225 MHz -/- 122.325 MHz

122.625 MHz -/- 122.825 MHz -/- 123.175 MHz

Pilots must have a SAFA VHF radio endorsement (or be under direct supervision under instruction) before they can use Airband radios.