

Starting point for consideration of an RSGB response

The RSGB response needs to consider the following issues:

- a) EIRP (200 W) - Agreed
- b) Maximum bandwidth (6 kHz) - Agreed
- c) Max aerial height AGL - *The 5m height AGL would be a significant limitation. The needs to protect the MoD and other users outside the UK would be largely met by the EIRP limit. Limiting the ground wave by low aerial height is not a significant factor at 5 MHz and the optimum height for NVIS is a quarter wavelength, or approximately 15m at this frequency. A height of 20m is thus preferred, which would be within most amateur HF aerial installations.*
- d) Original and proposed extended bands -*The following table shows the relationship between the original (current) and the proposed extensions, and the usage recommended, as a starting point to discussion, by the RSGB:*

Existing (kHz)				Proposed (kHz)					
Centre	Bottom / USB Carrier	Top	Width	Bottom	Top	Width	Lowest USB Carrier	Highest USB Carrier	Existing or potential usage
5260	5258.5	5262	3	5258.5	5264	5.5	5258.5	N/A	Possible interference from Oceanic Radar
5280	5278.5	5282	3	5276	5284	8	5278.5	N/A	5280 +/- 4 kHz spot frequency (shared SSB / AM)
5290	5288.5	5292	3	5288.5	5292	3.5	N/A	N/A	Retain for beacons
				5298	5307	9	5298	5304	All modes (non channelised)
				5313	5323	10	5313	5320	All modes (non channelised)
				5333	5338	5	5333.5	N/A	Single SSB channel centred on 5335 kHz
				5354	5358	4	5354.5	N/A	Single SSB channel centred on 5356 kHz
5368	5366.5	5370	3	5362			5362		All modes (non channelised) - delete existing channels at 5368 and 5373 kHz
5373	5371.5	5375	3		5374.5	12.5		5371.5	
				5378	5382	4	5378.5	N/A	Single SSB channel centred on 5380 kHz
				5395	5401.5	6.5	5395.5	N/A	Single SSB channel centred on 5397 kHz shared with AM at 5398.5
5400	5398.5	5402	3				5398.5	N/A	Existing SSB channel centred on 5400 kHz shared with AM at 5398.5
5405	5403.5	5407	3	5403.5	5406.5	3			Existing SSB Channel