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| **Subject** | On Wideband Experimentation |
| **Society** | IRA | **Country:** | Iceland |
| **Committee:** | C4, C5 | **Paper number:** | NS20\_C4\_16\_V2 |
| **Author:** |  |

# Introduction:

Radio took off as wideband mode in the spark era. Not by design but due to the crude equipment available. Technical progress gave narrow band modes as CW and SSB that have reigned for decades. Theoretical progress has pointed out the potential of wideband modes for spectrum utilization with increasing vigour.

# Background:

Current wideband transmissions have been shown to be approximately equally good conservers of radio spectrum as the narrow band ones.

# Key points and proposal:

This could open up interesting prospects for the future of amateur radio with cutting edge experimentation, spectrum efficiency and utilization.

# Recommendations:

A framework for wideband experimentation the amateur bands be developed by opening up new designated segments of existing and new bands for free experimentation with unheard of modulation modes and techniques.

# Financial implications:

None.