

PRIMARY EUROPEAN WEAK SIGNAL FREQUENCIES & DATA MODES FOR OTHER NON MS PROPAGATION TYPES

FREQUENCY	MODE	COMMENT
50.230 MHz*	JT6M	Aircraft Scatter (ACS) or Sporadic-E, active in 2016
50.250 MHz*	PSK31	SPORADIC-E / F2 Transatlantic / Tropo active 2017
50.276 MHz*	JT65A	SPORADIC-E / F2 Transatlantic
50.278 MHz*	JT9-1***	SPORADIC-E / F2 Transatlantic
50.293 MHz* (+ >1500Hz)	WSPR	US / EUROPE*
50.305 MHz	PSK31	No PSK31 observed here yet
50.313 MHz	FT8	100% European activity with this new fast mode seen here 2017-2019, seems well suited to Sporadic Es propagation
50.323 MHz	FT8	Intercontinental calling, Europe transmits 1st and US 2nd period
50.330 MHz	JT6M	5% European activity this mode seen here 2013
50.360 MHz	PSK2k	SPORADIC-E / F2 Transatlantic Europe calls 1st 15 second intervals (2015)
50.401 MHz (+/- 500Hz)	WSPR	New Region 1 Band plan
70.154 MHz	FT8	Used extensively in Europe 2018 during Sporadic-E summer season

NOTES

*The new Region 1 (European) band plan, that came into effect on 1st January 2012, was largely being ignored by the VHF community, as all data modes in Europe were recommended to move above 50.300 MHz to free up space for more SSB voice, however 50 MHz is very often capable of Intercontinental communications and there remains much US data activity below 50.300 MHz.

*** From my own observations JT9 mode does not work at all well on 50 MHz, due to JT9 signal drift/doppler and leads to signals not being easily decoded, if at all, despite being strong on your display.