Fldigi HF Digital Mode Comparison

Mode	Modulation	Error Cor. Soft.	Low Power	Slow Speed	Narrow Band	High Power	Faster Speed	Wider Band	Poor Band Cond.	High Noise	Fading	Drift Issues	Tunning	S/N Ratio Weak Signal	UHF/VHF	HF	NVIS / DX	Duty Cycle	Images
PSK31	PSK	Varicode	YES																
BPSK			YES																
BPSK-31	PSK	FEC	YES	YES	YES	NO	NO		YES	NO			GOOD					80%	
BPSK-63	PSK	FEC	YES	NO	NO	YES	YES		MAYBE	NO			GOOD			HIGHER BANDS		80%	
QPSK			YES																
QPSK-31	PSK	FEC	YES	NO	YES	NO	YES			NO								80%	
	PSK	FEC	YES															80%	
8PSK			YES																
8-PSK 500F	PSK	FEC	YES				YES			NO					YES	6M, 10M SSB		80%	
	PSK	FEC	YES				YES								YES	6M, 10M SSB		80%	
PSKR			YES																
	PSK	FEC	YES															80%	
	PSK	FEC	YES															80%	
MFSK																			
MFSK - 4	MFSK	FEC	YES	YES	YES	NO	NO	NO	VERY GOOD	NO		PROBLEMATIC	PRECISE	-20 dB					
MFSK -16	MFSK	FEC	MODERATE	NO	MODERATE	NO	YES	NO	VERY GOOD	NO		PROBLEMATIC	PRECISE				DX		YES
MFSK -11	MFSK	FEC	MODERATE	NO	MODERATE	NO	YES	NO	VERY GOOD	NO		PROBLEMATIC	PRECISE		YES		N/A		
MFSK-64	MFSK	FEC	NO	NO	NO	YES	YES	YES	VERY GOOD	NO		PROBLEMATIC	PRECISE		YES		N/A		
Olivia																			
Olivia 8-500	MFSK	FEC	NO	NO	YES	YES		NO	VERY GOOD	YES	RESISTANT			-13 dB					
Olivia 16-500	MFSK	FEC	NO	NO	NO	YES		YES	VERY GOOD	YES	RESISTANT								
Contestia																			
Contestia 8-250	MFSK	FEC	NO	NO		YES	YES	YES	GOOD	YES				-11dB					
Contestia 8-500	MFSK	FEC	NO	NO		YES	YES	YES	GOOD	YES									
Domino EX																			
Domino EX 8	IFK+	IFK	NO	NO	MODERATE	YES		YES	VERY GOOD	YES	RESISTANT	EXCELLENT	GOOD	-12 dB			NVIS (8-16)		
Domino EX 11	IFK+		NO	NO	MODERATE	YES		YES		YES	RESISTANT	EXCELLENT							
THOR																			
THOR 11		OPTIONAL				YES	YES	YES	VERY GOOD	YES	RESISTANT	EXCELLENT	EXCELLENT			30M, 40M, 80M, 160M		100%	YES
THOR 4	IFK	OPTIONAL	NO	NO	MODERATE	YES	YES	YES	VERY GOOD	YES	RESISTANT	EXCELLENT	EXCELLENT					100%	YES
Thor Micro-2	IFK	FEC	NO	NO	MODERATE											160M, 600M, 2200M			
FSQ																			
FSQ 4.5	IFK+	NOT REQUIRED	YES	NO	YES	NO	YES		YES	YES	RESISTANT		VERY GOOD	-14 dB					YES
FSQ 6	IFK+	NOT REQUIRED	YES	NO	YES	NO	YES		YES	YES	RESISTANT		VERY GOOD	-13 dB					YES
IFKP																			
IFKP .5	IFK+				YES							VERY GOOD	EXCELLENT	< -10 Db					ROBUST
IFKP 1	IFK+	IFK+			MODERATE							VERY GOOD	EXCELLENT	0 dB					ROBUST
MT-63																			
MT-63 1000L	OFDM			YES		YES		YES	VERY GOOD	YES	YES		EXCELLENT		YES	20M ABOVE			
MT-63 2000L	OFDM			YES		YES		YES	VERY GOOD	YES	YES		EXCELLENT			20M ABOVE			
OFDM																			
	OFDM																		
	OFDM																		