

RTTY code				Anthony : F4GOH			
features :				Tones: (standard, but adjustable)			
Modulation : FSK				Level 0 : Low frequency : Mark : 2125 Hz			
Speed : 45.45 bauds				Level 1 : High frequency : Space : 2295 Hz			
1/6 s for 1 Char				Space = Mark + Shift = 2125 Hz + 170 Hz			
Transmission : Asynchronous				1 Start bit; 5 data bits; 1.5 or 2 Stop bits			
characters : Baudot Code				360 characters per minute maximum			
5 data bits (reduced format) Restricted number of characters. No check code. 300 Hz bandwidth			Usual frequencies: Center of activity (No fixed freq.) 14,080 Mhz / 14,100 Mhz 7,040 Mhz /7,050 Mhz				
Self-taught and French engineer, Émile Baudot (1845-1903), improved Morse code by inventing a binary code for transmitting teletypes. The term "baud" is derived from its name.							
Code		Characters		Code		Characters	
binary	decimal	Letter mode	Symbol mode	binary	decimal	Letter mode	Symbol mode
00000	0	NULL		10000	16	T	5
00001	1	E	3	10001	17	Z	"
00010	2	LF		10010	18	L	)
00011	3	A	-	10011	19	W	2
00100	4	SP	SP	10100	20	H	#
00101	5	S	BEL	10101	21	Y	6
00110	6	I	8	10110	22	P	0
00111	7	U	7	10111	23	Q	1
01000	8	CR		11000	24	O	9
01001	9	D	\$	11001	25	B	?
01010	10	R	4	11010	26	G	&
01011	11	J	'	11011	27	Symbol mode enable	
01100	12	N	,	11100	28	M	.
01101	13	F	!	11101	29	X	/
01110	14	C	:	11110	30	V	;
01111	15	K	(	11111	31	Letter mode enable	

Example of frame RTTY : « TEST » word emission and Cr, Lf

31 16 1 5 16 8 2 31  
Lettres T E S T Cr Lf Lettres

Description:

We start by sending an NL1 for a few ms, then the Start bit arrives at the NL0. The 5 data bits are then sent starting with the least significant bit. We end with the stop bit and a half at NL1. In this example, we send code 31 which corresponds to letter mode. If you want to send numbers, you must first signal it and transmit the code 27

The decoding software performs digital filtering on the 2 Mark and Space frequencies in order to recreate the binary frame.