ATT: OTTAR

DTI

FUNCTIONAL DESCRIPTION (continued)

Table 3 Input data for DTMF

D_5	D_4	D_3	D_2	D_1	D_0	HEX	symbol	standard frequency Hz	tone output freq. Hz**	frequency deviation %	frequency deviation Hz
0	0	1	0	0	0	08		697	697,90	+ 0,13	+ 0,90
0	0	1	0	0	1	09		770	770,46	+ 0,06	+ 0,46
0	0	1	0	1	0	0A		852	850,45	−0,18	−1,55
0	0	1	0	1	1	08		941	943,23	+ 0,24	+ 2,23
0	0	1	1	0	0	0C		1209	1206,45	−0,21	−2,55
0	0	1	1	0	1	0D		1336	1341,66	+ 0,42	+ 5,66
0	0	1	1	1	0	0E		1477	1482,21	+ 0,35	+ 5,21
0	0	1	1	1	1	0F		1633	1638,24	+ 0,32	+ 5,24
0	1	0	0	0	0	10	0	941+1336			
0	1	0	0	0	1	11	1	697+1209			
0	1	0	0	1	0	12	2	697+1336			
0	1	0	0	1	1	13	3	697+1477			
0	1	0	1	0	0	14	4	770+1209			
0	1	0	1	0	1	15	5	770+1336			
0	1	0	1	1	0	16	6	770+1477			
0	1	0	1	1	1	17	7	852+1209			
0	1	1	0	0	0	18	8	852+1336			
0	1	1	0	0	1	19	9	852+1477			
0	1	1	0	1	0	1A	A	697+1633			
0	1	1	0	1	1	1B	B	770+1633			
0	1	1	1	0	0	1C	C	852+1633			
0	1	1	1	0	1	1D	D	941+1633			
0	1	1	1	1	0	1E	*	941+1209			
0	1	1	1	1	1	1F	#	941+1477			

Table 4 Input data for MODEM frequencies

D_5	D_4	D_3	D_2	D_1	D_0	HEX	standard frequency Hz	tone output freq. Hz**	frequency deviation %	frequency deviation Hz	remarks
1	0	0	1	0	0	24	1300	1296,94	−0,24	−3,06	V.23
1	0	0	1	0	1	25	2100	2103,14	+ 0,15	+ 3,14	
1	0	0	1	1	0	26	1200	1197,17	−0,24	−2,83	Bell 202
1	0	0	1	1	1	27	2200	2192,01	−0,36	−7,99	
1	0	1	0	0	0	28	980	978,82	−0,12	−1,18	V.21
1	0	1	0	0	1	29	1180	1179,03	−0,08	−0,97	
1	0	1	0	1	0	2A	1070	1073,33	+ 0,31	+ 3,33	Bell 103
1	0	1	0	1	1	2B	1270	1265,30	−0,37	−4,70	
1	0	1	1	0	0	2C	1650	1655,66	+ 0,34	+ 5,66	V.21
1	0	1	1	0	1	2D	1850	1852,77	+ 0,15	+ 2,77	
1	0	1	1	1	0	2E	2025	2021,20	−0,19	−3,80	Bell 103
1	0	1	1	1	1	2F	2225	2223,32	−0,08	−1,68	

** Tone output frequency when using a 3,579 545 MHz crystal.

1 = H = HIGH voltage level
0 = L = LOW voltage level

DEVELOPMENT DATA

tra: Per Inge