

TO : INTERTEK TESTING SERVICES

ATTN : MR. ANTHONY CHAN

FROM : KIDSTECH INDUSTRIES LTD. (MR. CHAN)

DATE : 05-03-99

SUBJECT : DATA CODE

- BITS BEING TRANSMITTED : 42 X 7 BITS
- BAUD RATE : 2800
- TIME INTERVAL OF EACH BIT : 0.357ms
- TRANSMIT TIME : ~100ms
- DATA CODE IS SHOWN BELOW

1 ST BYTE	40H
2 ND - 4 TH BYTES	16H
5 TH BYTE	71H/72H/ /79H
6 TH - 14 TH BYTES	24H
15 TH BYTE	71H/72H/..../79H
16 TH - 37 TH BYTES	24H
38 TH - 40 TH BYTES	00H
41 ST BYTE	CHECKSUM
42 ND BYTE	24H

NOTE : FOR 5TH AND 15TH BYTES, THE CODE "71H" REPRESENTS TRANSMITTING X1". "72H" REPRESENTS TRANSMITTING X2" etc.

WORST CASE:

DATA STREAM = 294 bits

DATA BEING "1" IN THE DATA STREAM = 85 bits

TIME TRANSMITTED BEING "1" WITHIN 100ms = $85 \times 0.357\text{ms}$
= 30.345ms

AVERAGE FACTOR = $20 \log (30.345/100)$
= -10.36 dB

CONFORMITY ASSESSMENT DIVISION			
Incoming Date:		9/3/99	
		Action By	
		Anthony	