

4.6 UNDEFINED CHARACTER CODES

Individual codes not illustrated in Table 4a have an undefined response and may be used for unspecified purposes. Any terminal not specifically designed to exploit any of these codes should take no action on their receipt.

TABLE 4B DISPLAY ATTRIBUTE CONTROL CODES

DISPLAY MODE	SET AT	SET AFTER	COMPLEMENTARY DISPLAY MODE	SET AT	SET AFTER
ALPHANUMERIC	Row Start	4b/1 4b/2 4b/3 4b/4 4b/5 4b/6 4b/7	MOSAIC	—	5b/1 5b/2 5b/3 5b/4 5b/5 5b/6 5b/7
CONTIGUOUS	Row Start 5b/9*	5b/9*	SEPARATED	5b/10*	5b/10*
DISPLAY COLOUR	includes RED Row Start	4b/1 4b/3 4b/5 4b/7 5b/1 5b/3 5b/5 5b/7	DISPLAY COLOUR	excludes RED —	4b/2 4b/4 4b/6 5b/2 5b/4 5b/6
	includes GREEN Row Start	4b/2 4b/3 4b/6 4b/7 5b/2 5b/3 5b/6 5b/7		excludes GREEN —	4b/1 4b/4 4b/5 5b/1 5b/4 5b/5
	includes BLUE Row Start	4b/4 4b/5 4b/6 4b/7 5b/4 5b/5 5b/6 5b/7		excludes BLUE —	4b/1 4b/2 4b/3 5b/1 5b/2 5b/3
BLACK BACKGROUND	Row Start 5b/12	—	NEW BACKGROUND	5b/13**	—
REVEAL	Row Start User Control***	4b/1 4b/2 4b/3 4b/4 4b/5 4b/6 4b/7 5b/1 5b/2 5b/3 5b/4 5b/5 5b/6 5b/7	CONCEAL	5b/8	—
STEADY	Row Start 4b/9	—	FLASH	—	4b/8
NORMAL HEIGHT	Row Start 4b/12	—	DOUBLE HEIGHT	—	4b/13
RELEASE	Row Start	5b/15	HOLD	5b/14	—

- *these codes may take effect 'at' or 'after' their occurrence,
- **whenever this code occurs the Display Colour is adopted as the new Background colour,
- ***the Reveal mode may be maintained throughout a page by a user control,

SUPPLIERS' INFORMATION NOTE

New Prestel Access Network

As BT announced last year, Prestel will soon be using a new data network to provide access from user terminals to its services. It is expected that users will be transferred to this new network during the second half of this year.

While this new network maintains compatibility with existing terminal equipment, the opportunity has been taken to provide additional optional features which we expect to be of interest to a number of users. The purpose of this note is to advise you of these features, and of the availability of test facilities should you require them either to verify the performance of existing products or to assist in the development of new products.

Multi-speed Access

The new network will employ multi-speed auto-answer modems which will answer to V.25 and accept calls from modems working to the following standards:

- V.21 300/300 bps
- V.23 1200/75 bps (as existing Prestel modems)
- V.22 1200/1200 bps full duplex
- V.22bis 2400/2400 bps full duplex

The answering modem will transmit a sequence of tones, as illustrated in Diagram 1, until it identifies the type of the calling modem. It will then continue working to that standard for the duration of the call.

As with present Prestel answering modems, the carrier transmit level at the modem will be -9 dBm nominal.

Error-Correction Protocol

The new network will also provide the option of using an error-correction protocol over the link (dial-up or leased line) to the answering modem. This protocol will be available on the same telephone access numbers as used by existing Prestel terminals, which will be able to continue to operate as at present if they so wish.

The specification for this protocol is available (free of charge at present) on request from Prestel. BT does not place any licence or approval requirements on implementations of this protocol.

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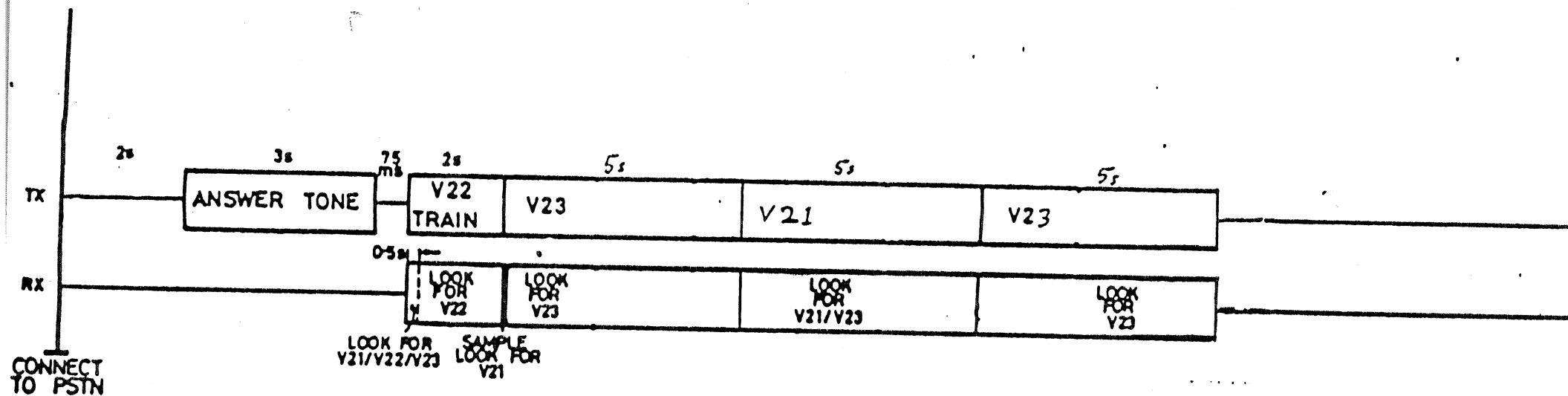


DIAGRAM 1 - ANSWERING TONE SEQUENCE OF NEW PRESTEL ACCESS MODEMS

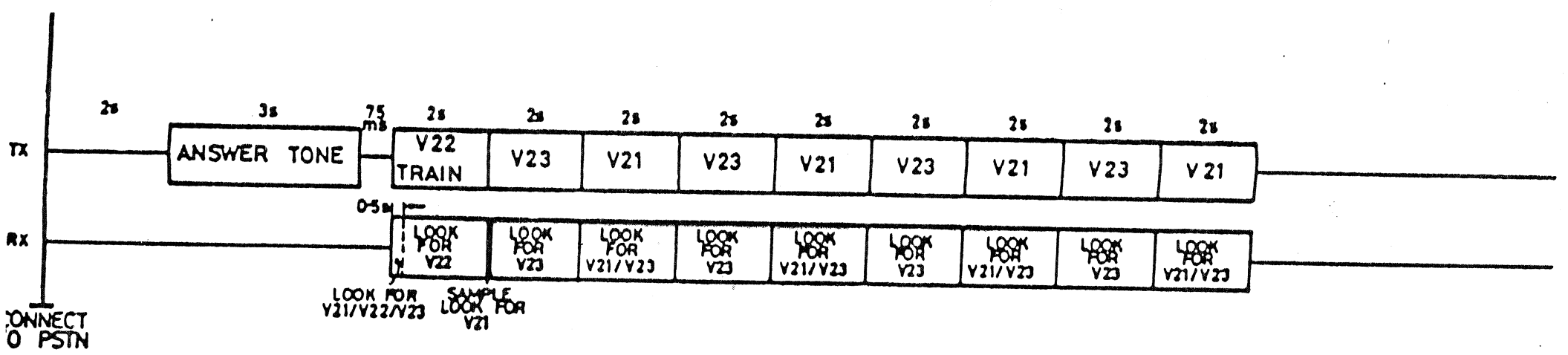


DIAGRAM 2 - ANSWERING TONE SEQUENCE OF PROTOTYPE TEST ACCESS MODEMS