

APPENDIX B – HANDHELD OPERATION

1. Press <enter> to start handheld.
2. Handheld displays “enter address”
3. Enter address and press <enter>.
4. If ODU responds, asterisk goes on and message “link available” displays.
5. If ODU does not respond, message “no response. <enter> again.” Asterisk is off. The <enter> button can be pressed again without going back to entering the address. This allows the user to move around until a good link is established.
6. If link is available, pressing <menu> gets the “status” menu. Up/down arrows allow scrolling from “status” to “control”, etc.
7. Pressing <enter> will bring up the first data item within the sub-menus. Up/down arrows allow item scrolling.
8. At each sub-menu item, pressing <enter> will interrogate ODU for a new data item update. If data was not successfully received, the asterisk will extinguish. Asterisk will go on if data is received. Asterisk should be constant.
9. Data will not be automatically updated. New data is received only after each press of the <enter> button. This includes RSSI and BER.

APPENDIX C – HANDHELD TRANSMISSION DATA FORMAT

MENU	COMMAND	DATA										
Status	Tx Freq	S1	S2	S3	S4	31	07	CS				
	Rx Freq	S1	S2	S3	S4	32	07	CS				
	Tx Power	S1	S2	S3	S4	33	07	CS				
	FAW	S1	S2	S3	S4	34	07	CS				
	Capacity	S1	S2	S3	S4	35	07	CS				
	Cable Length	S1	S2	S3	S4	36	07	CS				
	Line Code	S1	S2	S3	S4	37	07	CS				
	Trib on/off	S1	S2	S3	S4	38	07	CS				
	Mute on/off	S1	S2	S3	S4	3D	07	CS				
	Local loopback	S1	S2	S3	S4	40	07	CS				
	RF Loopback	S1	S2	S3	S4	41	07	CS				
	Remote Loopback	S1	S2	S3	S4	42	07	CS				
	Tx Freq Range	S1	S2	S3	S4	4A	07	CS				
	Rx Freq Range	S1	S2	S3	S4	4B	07	CS				
	RSSI	S1	S2	S3	S4	4E	07	CS				
	Temperature	S1	S2	S3	S4	4F	07	CS				
	Block Error Count	S1	S2	S3	S4	50	07	CS				
Summary Alarms	S1	S2	S3	S4	51	07	CS					
Local Control	Tx Freq	S1	S2	S3	S4	00	0B	VD	VD	VD	VD	CS
	Rx Freq	S1	S2	S3	S4	01	0B	VD	VD	VD	VD	CS
	Power	S1	S2	S3	S4	02	08	VD	CS			
	FAW	S1	S2	S3	S4	03	08	VD	CS			
	Capacity	S1	S2	S3	S4	04	08	VD	CS			
	Cable Length	S1	S2	S3	S4	05	08	VD	CS			
	Line Code	S1	S2	S3	S4	06	08	VD	CS			
	Tributary on/off	S1	S2	S3	S4	07	08	VD	CS			
Far Control	Far Line Code	S1	S2	S3	S4	21	08	VD	CS			
	Far Trib on/off	S1	S2	S3	S4	22	08	VD	CS			
Link Control	Link Freqs	S1	S2	S3	S4	2C	08	VD	CS			
	Link Tx Power	S1	S2	S3	S4	2D	08	VD	CS			
	Link FAW	S1	S2	S3	S4	2E	08	VD	CS			
	Link Capacity	S1	S2	S3	S4	2F	08	VD	CS			
Inventory	PEC	S1	S2	S3	S4	44	07	CS				
	Prod. Rel. Ver.	S1	S2	S3	S4	47	07	CS				
	Serial No.	S1	S2	S3	S4	48	07	CS				
	DSP SW Ver.	S1	S2	S3	S4	4D	07	CS				
	ODU SW Ver.	S1	S2	S3	S4	4C	07	CS				
Test	Set Mute	S1	S2	S3	S4	08	07	CS				
	Set Local Loopbk	S1	S2	S3	S4	10	07	CS				
	Set RF Loopback	S1	S2	S3	S4	11	07	CS				
	Set Rem Loopbk	S1	S2	S3	S4	12	07	CS				
Handheld	Power Off	No Transmission										
	Contrast	No Transmission										
	Software Ver.	No Transmission										

CS = packet checksum

All Byte values in hex.

Each byte includes one start bit, 8 data bits, one parity bit, one stop bit.

Data is transmitted only after receiving a request from handheld.