7854 - early engineering notes

	30 Dec 7	Nal estimated Smarts to should possibly have its on 7 VDC unregulated. 702 standard xk series	require 20 watts	absolute n	raximm	. Val Paul & D ago	eest that the smart	
		should possibly have its on	in timal regulat	ter. Possible t	the main	frame would sup	ply TV, ZOKHZ, or	
		.7VDc unegelated. 702	OKHZ would all	ow smarts -	to genera	ate its own vo	Clages wither Than	
		standard Sk seins	4	1 1		11 -1:+	1 75 +00	
	12 Jan 76	Jun T. ostimated Smarts too 5. 4anpo of +5 - 99 angol +17	regune \$ 40 wall	excluding La	es AU, sa	uples). This to Co	ome from LB, TIEU	
		Paul has estimated impact of usuable Private 102 watte 7604 119 7604 55 158	2. Ema 06 - 3,	- 0.				
	19 Jan 76	and has estimated impact of	Pines from In	veiler Sumbre	Lones(2)	Line Power (1)	(1) Assures .84	
	(3)	71071 107 1-#	127 watt	49 w	ratto (24)	15/watta	(2) Paraentheris	
		76034 119	148	58.	(28)	176 watts	Show inverter	
		7604 55 158	207	88	(39)	246	Losses based	
		/	7603A	7604	760455		on 84% ebb.	
) Main Frame	39 wais	39 watto	39			
		3 Plug-Ins	49.5 13.8	66	66			
		Probe & Camera	13.8	13.8	13.8			
		Smarts		119 walts	39	1+		
		Total	102 watts	119 watts	158W	uts	The Wallet	
		3 hole to 4 hole requires additional 4 watts invester losses, + 9 watts total losses						
		4 hole to Smarts regi	unes additional 1	watts		30 watto " "		
		3 hole to smerts	t occuired	s wous,		39 wans "		
	•	There to There requires additional Hwatto "30 watto "39 watto "39 watto "" 3 hole to Smoots requires additional Hwatto "39 watto "" 3 hole to 4 hole amarts requires Costs: Paul estimates that 4 hole smath will increase power supply, costs by a 42. His estimate includes 184 for tan, 89 for +5 V regulator, 74 for +120 regulator, 54 for allitronal realities.						
		His estimate includes 18# for tan, 89 for +5 V regulator, 79 For + 120 regulator, 5 th for						
		additional rectific	is.			Me tale and the party of the		
				111	11 0		1+ -1	
	20/01/2	Paul + I decided that a 350	C case use wou	let be reasons	able goal	Ta series pars rec	gulators, This	
	(3)	Paul & I decided that 1 350, assumed: 550c West 90 Ambient sink Cas Will try to Lower regulator Mamintagacs about 1/2 inch	Junction					
_	21 Jan 76	Will try to lower regulator.	ECB to make mount	ting of Series p	as trasi	stero lasia. This me	sans Acoking into the	
	(3)	Mamentaface about 1/2 unch	Lower. Means rer	orthery lines on	that box	ed.		
				O			CHARLES AND REAL PROPERTY.	
	de la				-			

MAIN INTERPACE

210c+75 No major problems with new schane. Next go round will claim problems: Remore grounds from anomal emitters of WK43 Ch Sw.; Termination resistors relocated. More some runs. Trig Solut circuit not firm. Should have new version in comple of weeks.

1 Dec 75 Wes checked with plant 4 Says MT is flow polderable by having ECB such that it purses then solding without WK49 The connector that body tail touching solder. He will check into shortering the tail.

23 Jan 76 Lowering power supply connection to MT means extra connectors must be added for routing lines to WK3 the mainframe upper level. Squeeze is too Tight to get all the lines them with lowered pisations.

TEK STANDARD PACKAGE

5/8ND Malowe - Concerned about meeting UL + Government Specs - BMI - Says no way cando a 5/4" 2000 ser rock + Serious drawbacks to dring 5800 series, Cooling is also a problem with stackable cabinets. Considering front panel verililation.