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STAGE GAIN MEASUREMENTS SBS-1 & SBS-8

CH-217

TUBE SYMBOL	FUNCTION	TYPE	INPUT AC VOLTS	OUTPUT AC VOLTS	GAIN
V6200	Mixer	5814 A	Grid Pins 2,7-0.012 Cathode Pin 3,8-1,1	Plate Pin 1,6-0.4	NA
V6201	250 KC Amplifier	6BA6	Grid Pin 1-0.01	Plate Pin 5-0.04	4
V6202A	Oscillator	6AW8	Grid Pin 2-6.0	Cathode Pin 1-3.7	0.61
V6202B	Amplifier	6AW8	Grid Pin 7-0.8	Plate Pin 9-10.0	12.5
V6203A	250 KC Oscillator	6AW8	Grid Pin 2-3.0	Cathode Pin 1-5.0	NA
V6203B	250 KC Amplifier	6AW8	Grid Pin 7-0.5	Plate Pin 9-19.0	38
V6204	Chan A Amplifier	6BA6	Grid Pin 1-0.9	Plate Pin 3-15.0	16.65
V6205	Chan B Amplifier	6BA6	Grid Pin 1-0.9	Plate Pin 5-15.0	16.65
V6206	AGC Comparator	12AX7	Grid Pin 2-0.045 Grid Pin 2-0.045	Cathode Pin 3-0.0015 Cathode Pin 3-0.0015	NA NA
V6000	Product Detector Channel A	5814A	Grid Pins 2,7-1.25 Cath. Pins 3,8-0.085	Plate Pins 1,6-2.0	NA
V6001A	1st Audio Ampl Chan A	12AX7	Grid Pin 7-0.075	Plate Pin 6-0.4	5.3
V6001B	2nd Audio Ampl Chan A	12AX7	Grid Pin 2-0.085	Plate Pin 1-0.35	4.1
V6002A	3rd Audio Ampl Chan A	12AX7	Grid Pin 7-0.35	Plate Pin 6-6.5	18.6
V6002B	Phase Inverter Chan A	12AX7	Grid Pin 2-6.5	Plate Pin 1-5.5	0.85
V6003	Power Ampl Chan A	6AK6	Grid Pin 1-5.5	Plate Pin 5-55.0	10
V6004	Power Ampl Chan A	6AK6	Grid Pin 1-5.5	Plate Pin 5-55.0	10
V6005	Product Detector Channel B	5814A	Grid Pins 2,7-1.25 Cath. Pins 3,8-0.09	Plate Pins 1,6-2.0	NA
V6006A	1st Audio Ampl Chan B	12AX7	Grid Pin 7-0.068	Plate Pin 6-0.4	5.9
V6006B	2nd Audio Ampl Chan B	12AX7	Grid Pin 2-0.085	Plate Pin 1-0.4	4.7
V6007A	3rd Audio Ampl Chan B	12AX7	Grid Pin 7-0.4	Plate Pin 6-6.3	15.7
V6007B	Phase Inverter Chan B	12AX7	Grid Pin 2-6.3	Plate Pin 1-5.0	0.79
V6008	Power Ampl Chan B	6AK6	Grid Pin 1-5.0	Plate Pin 5-50.0	10
V6009	Power Ampl Chan B	6AK6	Grid Pin 1-5.0	Plate Pin 5-50.0	10

CONDITIONS:

- Both detection switches in SSB position.
- AFC switch in Off position.
- Both AGC response switches in Fast position.
- IF bandwidth KC (Channel A) in 7.5 KC LSB position.
- IF bandwidth KC (Channel B) in 7.5 KC USB position.
- AGC selector switch in Ch-A-B position.
- Monitor gain control in 0 position.
- AGC manual control fully CW.
- Line voltage of 110 @ 60 CPS.
- Power switch in On position.
- Terminals 4 & 5 jumped on E6800.
- Terminals 14 & 15 jumped on E6800.
- Insert*455 KC with 1KC modulated through J6800 (low input Z).
- AC volt meter connected in turn to R6811 (Channel A) and R6812 (Channel B).
- Input level should be such that the level meters should indicate 0 VU and the output, metered by the VTVM should be 23 volts.
- Ballantine, model 314 AC voltmeter and measurements, model 82 signal generator were used.

* NOTE: FOR SBS-8 455KC BECOMES 100KC

NA - Not Applicable

B	SPEC. V6200 REVISED, SBS-0 ADDED	12/14/65	1530	RV			
A	CHK V6000 & V6005 CHART GAIN MEASUREMENTS, TYPE, INPUT & OUTPUT, CLARIFIED	1-29-63	8086	G.D.L.			
SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.	
UNLESS OTHERWISE SPECIFIED:		SCALE:					
DIMENSIONS ARE IN INCHES		MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION.					
TOLERANCES ON FRACTIONS ± 1/64 DECIMALS ± .005 ANGLES ± 1/2°		REMOVE ALL BURRS AND SHARP EDGES					
		SBS-8		SBS-1		2-16-62	
		REQ. PER UNIT	MODEL	SECTION	ASS'Y. NO.	DATE	
		USED ON					

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK				
STAGE GAIN MEASUREMENTS				
MATERIAL				
		DRAWN <i>RUZZO</i>		FINAL APPROVAL <i>PM</i>
TYPE & TEMPER		HEAT TREAT. SPEC.		
		DRAWN <i>JD</i>		CH-217
FINISH & SPEC. NO.		ELEC. DES. APP. MECH. DES. APP.		<i>B</i>