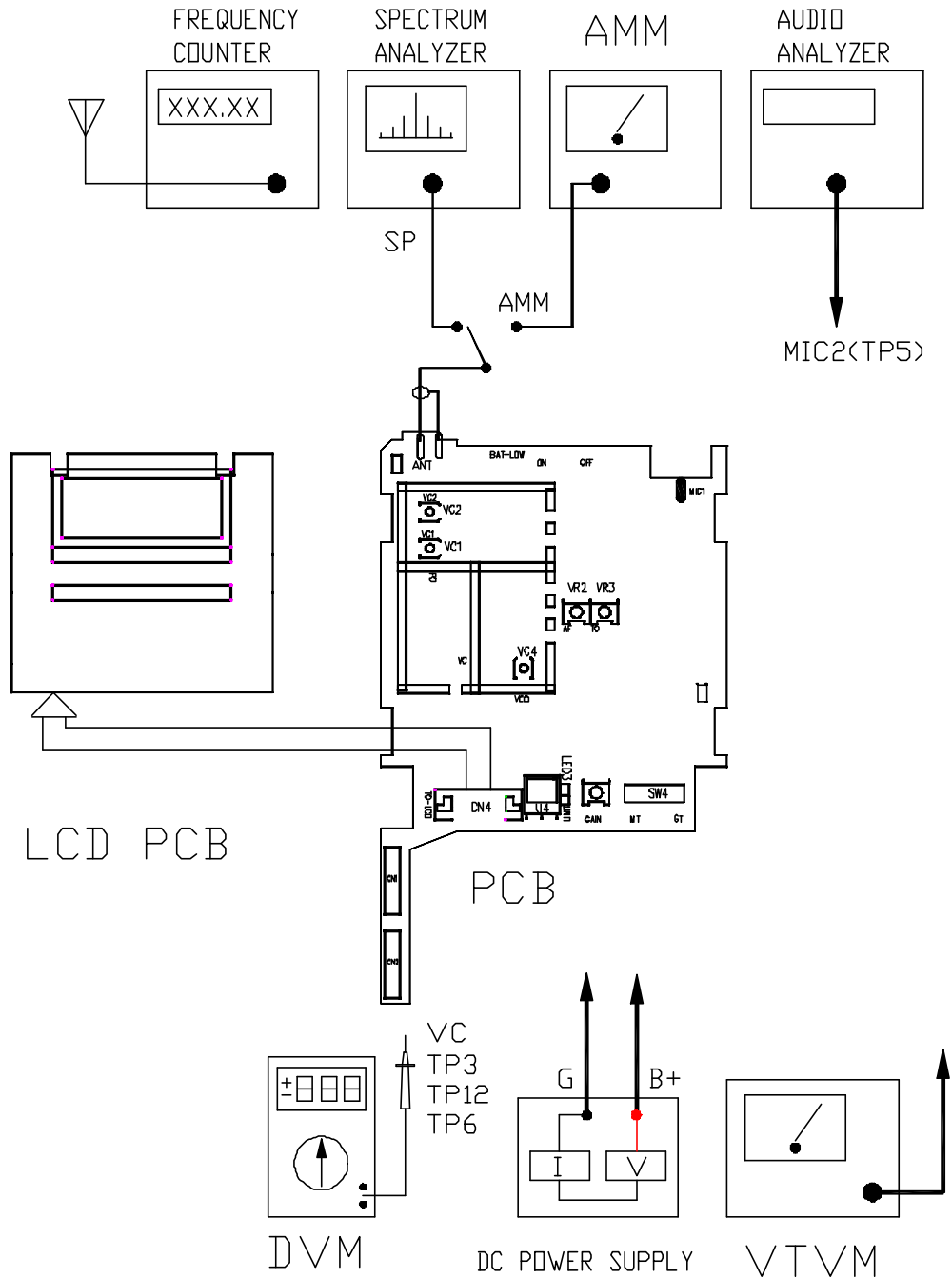


TEST AND ALIGNMENT INSTRUCTIONS

1、 Measuring instruments and test set-up



2.Pre-set

- A、 Audio analyzer : 400Hz , -14.3dBV.
- B、 DC power supply : 3V OUT
- C、 Spectrum analyzer : Frequency start 10MHz
Frequency stop 2.9GHz

TEST AND ALINGMENT INSTRUCTIONS

NO	MEASUREMENT ADJUSTMENT	SET-UP	OBSERVATION	TEST POINT	ADJ	NORMAL VALUE
1	"BATT-LOW" LED	DC POWER SUPPLY 3V	"BATT-LOW" LED	BAT + , BAT -	NO	LED flash one time when switch ON
2	DC TO DC	DC POWER SUPPLY 3V	DC VOLTAGE METER	TP6	NO	+ 6.2V ± 0.2V
3	VOLTAGE REAUATOR 3V	DC POWER SUPPLY 3V	DC VOLTAGE METER	TP12	NO	+ 3V ± 0.25V
4	VOLTAGE REAUATOR 5V	DC POWER SUPPLY 3V	DC VOLTAGE METER	TP3	NO	+ 5V ± 0.25V
5	CENTER FREQ TRACKING VOLTAGE	SET TO CENTER FREQ	DC VOLTAGE METER	VC	VC4	2.5V ± 0.1V
6	DOWN FREQ TRACKING VOLTAGE VCO	SET TO DOWN FREQ	DC VOLTAGE METER	VC	VC4	>1V
7	UPER FREQ TRACKING VOLTAGE	SET TO UPER FREQ	DC VOLTAGE METER	VC	VC4	<4V
8	RF OUTPUT POWER	SPECTRUM 1.FULL SPAN 2. Att 30dB 3. CENTER FREQ	SPECTRUM ANALYZET	ANT	VC1,VC2	1.PEAK:+10~+15dBm 2.SPURIOUS>-55dBc
9	CURRENT DISSIPATION	DC POWER SUPPLY 3V	CURRENT MATER	BAT + BAT -	NO	75mA 85mA
10	CENTER FREQUENCY	FRQUENCY COUNTER(100Hz RES)	FREQUENCY COUNTER	ANT	VC3	Fo ± 2KHz
11	AF 0 dB COMPANDOR	1. SW4 switch to "GT" 2. AUDIO ANALYZER 400Hz, -14.3dBV	AUDIO ANALYZER	TP7	NO	612 mV ± 12mV
12	MODULATION	AUDIO ANALYZER 400Hz, -14.3dBV	AMM (3.5K LPF)	ANT	VR2	40 ± 1K
13	MT INPUT	1. SW4 switch to "MT" 2. AUDIO ANALYZER 400Hz, -39dBV	AMM (3.5K LPF)	ANT	NO	40 ± 4K
14	PREEMPHASIS	AUDIO ANALYZER 10KHz, -14.3dBV	AMM (15K LPF)	ANT	NO	63 ± 4K LED3 ON
15	TONE DEF (8K DEV)	1.MIC2 (TP5 TO GND) 2.AMM(50K,60K LPF) OR SPECTRUN ANY	AMM OR SPECTRUM ANALYZER MARK TO32K (NEXT PEAK)	ANT	VR3	8K ± 0.3K (AMM) -18.5 ± 0.5dB (SPECTRUN)
16	BATT. LOW DISPLAY	DC VOLTAGE 2.2V DC VOLTAGE 2.0V	LED2,LCD LED2,LCD	BAT + BAT -	NO	LED OFF,LCD Batt. Status 1~2 segment LED2 ON,LCD Batt. Ststus no segment
17	BATT. LOW OFF	DC VOLTAGE 1.9V	LCD CURRENT METER	BAT + BAT -	NO	LCD SHOW PoFF I<1mA

PART LIST

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NO: ACT707TMP01A

MODEL : ACT-707TM CIRCUIT : 1PM0050A (1PM050A3)				
Computer No.	Reference	Value	Qty	Note
1CCS6P101	C6	100P	1	1
1CCS6X104	C7	104P	1	1
1CCS6P471	C8	470P	1	1
1CESHA107	C10	100 μ F/6.3V	1	1
1CCS6X104	C11	473P	1	1
1CTSAA106	C12	10 μ F/10V	1	1
1CCS6P471	C13	470P	1	1
1CCS6P068	C14	68P	1	1
1CCS6P101	C15	100P	1	1
1CCS6P471	C16	470P	1	1
1CCS6P471	C17	470P	1	1
1CCS6P471	C18	470P	1	1
1CCS6P006	C19	6P	1	1
1CCS6P471	C20	470P	1	1
1CCS6P101	C21	100P	1	1
1CCS6P010	C22	10P	1	1
1CTSAA106	C23	100 μ F/6.3V	1	1
1CCS6P471	C24	470P	1	1
1CCS6X103	C25	103P	1	1
1CCS6P101	C26	100P	1	1
1CTSDA104	C27	0.1 μ F/35V	1	1
1CESHA107	C28	100 μ F/6.3V	1	1
1CESHA107	C29	100 μ F6.3V	1	1
1CCS6P471	C31	470P	1	1
1CCS6P471	C32	470P	1	1
1CCS6P101	C34	100P	1	1
1CCS6X102	C35	102P	1	1

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NO: ACT707TMP01A

MODEL : ACT-707TM CIRCUIT : 1PM0050A (1PM050A3)				
Computer No.	Reference	Value	Qty	Note
1CCS6X102	C36	102P	1	1
1CCS6P471	C37	470P	1	1
1CCS6P151	C38	150P	1	1
1CCS6P471	C39	470P	1	1
1CCS6P471	C42	470P	1	1
1CCS6P471	C43	470P	1	1
1CTSAA106	C44	10 μ F/10V	1	1
1CTSDA474	C45	0.47 μ F/35V	1	1
1CCS6P101	C46	100P	1	1
1CTSAA106	C47	10 μ F/10V	1	1
1CCS6P101	C49	100P	1	1
1CCS6P101	C50	100P	1	1
1CCS6P101	C51	100P	1	1
1CTSAA106	C52	10 μ F/10V	1	1
1CCS6P039	C53	39P	1	1
1CCS6P471	C54	470P	1	1
1CCS6X102	C55	102P	1	1
1CTSBA225	C56	2.2 μ F/16V	1	1
1CTSBA225	C57	2.2 μ F/16V	1	1
1CCS6P101	C58	100P	1	1
1CTSAA106	C59	10 μ F/10V	1	1
1CTSBA105	C60	1 μ F/16V	1	1
1CCS6P101	C61	100P	1	1
1CCS6P101	C62	100P	1	1
1CCS6P101	C66	100P	1	1
1CTSAA106	C67	10 μ F	1	1
1CCS8X103	C68	103P	1	1

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DATE : 05.14.2003

NO: ACT707TMP01A

MODEL : ACT-707TM CIRCUIT : 1PM0050A (1PM050A3)				
Computer No.	Reference	Value	Qty	Note
1CCS6X103	C69	103P	1	1
1CCS6X473	C70	473P	1	1
1CTSAA106	C71	10 μ F/10V	1	1
1CTSAA106	C72	10 μ F/10V	1	1
1CTSAA106	C73	10 μ F/10V	1	1
1CTSBA225	C74	2.2 μ F/16V	1	1
1CTSAA475	C75	4.7 μ F/10V	1	1
1CTSBA225	C76	2.2 μ F/16V	1	1
1CCS6P101	C77	100P	1	1
1CTSAA106	C79	10 μ F/10V	1	1
1CCS6X104	C80	104P	1	1
1CCS6X103	C81	103P	1	1
1CTSAA106	C82	10 μ F/10V	1	1
1CCS6X103	C83	103P	1	1
1CTSDA104	C84	0.1 μ F/35V	1	1
1CCS6P222	C85	222P	1	1
1CTSBA225	C86	2.2 μ F/16V	1	1
1CCS8P102	C87	102P	1	1
1CTSBA225	C89	2.2 μ F/16V	1	1
1CCS6P020	C90	20P	1	1
1CCS6P068	C91	68P	1	1
1CTSAA106	C92	10 μ F/10V	1	1
1CTSAA106	C93	10 μ F/10V	1	1
1CTSAA475	C94	4.7 μ F/10V	1	1
1CTSDA474	C95	0.47 μ F/35V	1	1
1CTSBA225	C96	2.2 μ F/16V	1	1
1CTSBA225	C97	2.2 μ F/16V	1	1

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NO: ACT707TMP01A

MODEL : ACT-707TM CIRCUIT : 1PM0050A (1PM050A3)				
Computer No.	Reference	Value	Qty	Note
1CTSBA225	C98	2.2 μ F/16V	1	1
1CTSBA225	C99	2.2 μ F/16V	1	1
1CTSBA225	C100	2.2 μ F/16V	1	1
1CCS8Y104	C101	104P(0805)	1	1
1CTSBA225	C102	2.2 μ F/16V	1	1
1CCS6P473	C103	473P	1	1
1CTSAA475	C104	4.7 μ F/10V	1	1
1CCSCP332	C105	332P(1206)	1	1
1CCS6P012	C106	12P	1	1
1CCS6P473	C107	473P	1	1
1CCS6P036	C108	36P	1	1
1CCS6X103	C109	103P	1	1
1CTSBA105	C110	1 μ F/16V	1	1
1CCS6P471	C113	470P	1	1
1CTSBA225	C116	2.2 μ F/16V	1	1
1CTSAA106	C118	10 μ F/10V	1	1
1CCS6P471	C120	470P	1	1
1CTSAA106	C121	10 μ F/10V	1	1
1CCS6P473	C122	473P	1	1
1CCS6P473	C124	473P	1	1
1CTSAA106	C125	10 μ F/10V	1	1
1CCS6P471	C126	470P	1	1
1CCS6P471	C127	470P	1	1
1CESHA337	C128	339 μ F/6.3V	1	1
1CESHA337	C129	339 μ F/6.3V	1	1
1LLS8224	L1	220nH	1	1

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NO: ACT707TMP01A

MODEL : ACT-707TM CIRCUIT : 1PM0050A (1PM050A3)				
Computer No.	Reference	Value	Qty	Note
1LLS8823	L2	82nH	1	1
1LLS8224	L4	220nH	1	1
1LLS8224	L6	220nH	1	1
1LLS8224	L7	220nH	1	1
1LLS8224	L8	220nH	1	1
1LLSA476	L14	47uH	1	1
1LLSA476	L15	47uH	1	1
1LLS8224	L18	220uH	1	1
1DLNRC01	LED2	LED-R	1	1
1DLSR210	LED3	SML-210LT	1	1
1TS093AW	Q1	1TS093AW	1	1
1TS01577	Q2	1TS01577	1	1
1TS0520X	Q3	1TS0520X	1	1
1TS0520X	Q4	1TS0520X	1	1
1TS0520X	Q5	1TS0520X	1	1
1TS04097	Q6	1TS04097	1	1
1TS01577	Q7	1TS01577	1	1
1TS16212	Q8	1TS16212	1	1
1TS04097	Q9	1TS04097	1	1
1TS15113	Q10	1TS15113	1	1
1TS04097	Q11	1TS04097	1	1
1TS01577	Q12	1TS01577	1	1
1TS04097	Q13	1TS04097	1	1
1TS00508	Q14	1TS00508	1	1
1TS04097	Q15	1TS04097	1	1

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NO: ACT707TMP01A

MODEL : ACT-707TM CIRCUIT : 1PM0050A (1PM050A3)				
Computer No.	Reference	Value	Qty	Note
1TS01577	Q16	1TS01577	1	1
1TS04097	Q17	1TS04097	1	1
1TS04097	Q18	1TS04097	1	1
1TS04097	Q19	1TS04097	1	1
1TS04097	Q20	1TS04097	1	1
1TS04097	Q21	1TS04097	1	1
1RS6A153	R1	15K	1	1
1RS6A103	R2	10K	1	1
1RS6A152	R3	1.5K	1	1
1RS6A152	R5	1.5K	1	1
1RS6A101	R7	100	1	1
1RS6A082	R8	82	1	1
1RS6A104	R9	100K	1	1
1RS6A104	R10	100K	1	1
1RS6A101	R11	100	1	1
1RS6A472	R12	4.7K	1	1
1RS6A472	R13	4.7K	1	1
1RS6A472	R14	4.7K	1	1
1RS6A181	R15	180	1	1
1RS6A056	R16	56	1	1
1RS6A101	R17	100	1	1
1RS6A022	R18	22	1	1
1RS6A273	R19	27K	1	1
1RS6A181	R20	180	1	1
1RS6A022	R21	22	1	1
1RS6A102	R22	10K	1	1

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NO: ACT707TMP01A

MODEL : ACT-707TM CIRCUIT : 1PM0050A (1PM050A3)				
Computer No.	Reference	Value	Qty	Note
1RS6A022	R23	22	1	1
1RS6A104	R24	100K	1	1
1RS6A010	R25	10	1	1
1RS6A472	R26	4.7K	1	1
1RS6A104	R27	100K	1	1
1RS6A473	R28	47K	1	1
1RS6A022	R30	22	1	1
1RS6A222	R31	2.2K	1	1
1RS6A272	R32	2.7K	1	1
1RS6A472	R33	4.7K	1	1
1RS6A331	R34	330	1	1
1RS6A103	R35	10K	1	1
1RS6A183	R36	18K	1	1
1RS6A331	R37	330	1	1
1RS6A333	R39	33K	1	1
1RS6A473	R40	47K	1	1
1RS6A102	R41	1K	1	1
1RS6A123	R42	12K	1	1
1RS6A471	R43	47	1	1
1RS6A101	R44	100	1	1
1RS6A101	R45	100	1	1
1RS6A101	R46	100	1	1
1RS6A103	R47	10K	1	1
1RS6A104	R48	100K	1	1
1RS6A473	R49	47K	1	1
1RS6A101	R50	100	1	1
1RS6A104	R51	100K	1	1

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NO: ACT707TMP01A

MODEL : ACT-707TM CIRCUIT : 1PM0050A (1PM050A3)				
Computer No.	Reference	Value	Qty	Note
1RS6A047	R52	47	1	1
1RS6A473	R53	47K	1	1
1RS6A123	R54	12K	1	1
1RS6A243	R55	24K	1	1
1RS6A463	R56	56K	1	1
1RS6A822	R57	8.2K	1	1
1RS6A563	R58	56K	1	1
1RS6A563	R59	56K	1	1
1RS6A563	R60	56K	1	1
1RS6A563	R61	56K	1	1
1RS6A473	R62	47K	1	1
1RS6A244	R63	240K	1	1
1RS6A104	R64	100K	1	1
1RS6A225	R65	2.2M	1	1
1RS6A225	R66	2.2M	1	1
1RS6A102	R67	1K	1	1
1RS6A393	R68	39K	1	1
1RS6A332	R69	3.3K	1	1
1RS6A223	R70	22K	1	1
1RS6A104	R71	100K	1	1
1RS6A102	R72	1K	1	1
1RS6A822	R73	8.2K	1	1
1RS6A104	R74	100K	1	1
1RS6A473	R75	47K	1	1
1RS6A103	R77	10K	1	1
1RS6A010	R78	10	1	1
1RS6A104	R79	100K	1	1

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NO: ACT707TMP01A

MODEL : ACT-707TM CIRCUIT : 1PM0050A (1PM050A3)				
Computer No.	Reference	Value	Qty	Note
1RS6A474	R82	470K	1	1
1RS6A153	R83	15K	1	1
1RS6A182	R84	1.8K	1	1
1RS6A622	R85	6.2K	1	1
1RS6A153	R86	15K	1	1
1RS6A512	R87	5.1K	1	1
1RS6A123	R88	12K	1	1
1RS6A123	R89	12K	1	1
1RS6A047	R90	47	1	1
1RSCA102	R91	1K	1	1
1RS6A272	R92	2.7K	1	1
1RS6A393	R93	39K	1	1
1RS6A622	R94	6.2K	1	1
1RS6A822	R95	8.2K	1	1
1RS6A822	R96	8.2K	1	1
1RS6A010	R97	10	1	1
1RS6A010	R98	10	1	1
1RS6A222	R99	2.2K	1	1
1RS6A154	R100	150K	1	1
1RS6A473	R101	47K	1	1
1RS6A103	R102	10K		
1RS6A203	R103	20K	1	1
1RS6A272	R104	2.7K	1	1
1RS6A103	R105	10K	1	1
1RS6A103	R106	10K	1	1
1RS6A104	R107	100K	1	1
1RS6A822	R108	8.2K	1	1

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NO: ACT707TMP01A

MODEL : ACT-707TM CIRCUIT : 1PM0050A (1PM050A3)				
Computer No.	Reference	Value	Qty	Note
1RS6A047	R109	47	1	1
1RS6A106	R110	10M	1	1
1RS6A103	R111	10K	1	1
1RS6A272	R112	2.7K	1	1
1RS6A822	R113	8.2K	1	1
1RS6A123	R114	12K	1	1
1RS6A047	R115	47	1	1
1RS6A473	R116	47K	1	1
1RS6A473	R117	47K	1	1
1RS6A153	R119	15K	1	1
1RS6A471	R121	470	1	1
1RS6A472	R122	4.7K	1	1
1RS6A474	R123	470K	1	1
1RS6A561	R124	560	1	1
1RS6A010	R125	10	1	1
1RS6A104	R127	100K	1	1
1RS6A332	R128	3.3K	1	1
1RS6A622	R129	6.2K	1	1
1RS6A101	R132	100		
1RS6A393	R134	39K	1	1
1RS6A047	R135	47	1	1
1RS6A106	R136	10M	1	1
1RS6A393	R141	39K	1	1
1RS6A223	R142	22K	1	1
1RS6A101	R143	100	1	1
1RS6A153	R148	15K	1	1
1RS6A153	R149	15K	1	1

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NO: ACT707TMP01A

MODEL : ACT-707TM CIRCUIT : 1PM0050A (1PM050A3)				
Computer No.	Reference	Value	Qty	Note
1TSIMZ1A	U2	1TSIMZ1A	1	1
1IR16624	U3	1IR16624	1	1
RPM6938	U4	RPM6938	1	1
1TSUMX5N	U5	1TSUMX5N	1	1
1IS02903	U6	1IS02903	1	1
1IS81350	U7	1IS81350	1	1
1IS23002	U8	1IS23002	1	1
1TS1MZ1A	U9	1TS1MZ1A	1	1
1IS00284	U10	1IS00284	1	1
1IS6368B	U11	1IS6368B	1	1
1IS00572	U12	1IS00572	1	1
1IS02221	U13	1IS02221	1	1
1IS02221	U14	1IS02221	1	1
3PM20	U15	3PM20	1	1
1INL0001	U16	1INL0001	1	1
1IS02221	U17	1IS02221	1	1
1CVS3U300	VC3	VC30P	1	1
1CVSTC010	VC4	VC10P	1	1
1RNVB503	VR1	VR50K(B)	1	1
1RSVB103	VR2	VR10K		
1RSVB104	VR3	VR100K	1	1
1KM40000	X1	4MHZ	1	1
1KM32768	X2	32.768KHZ	1	1
1KCN0455	X3	455KHZ	1	1

