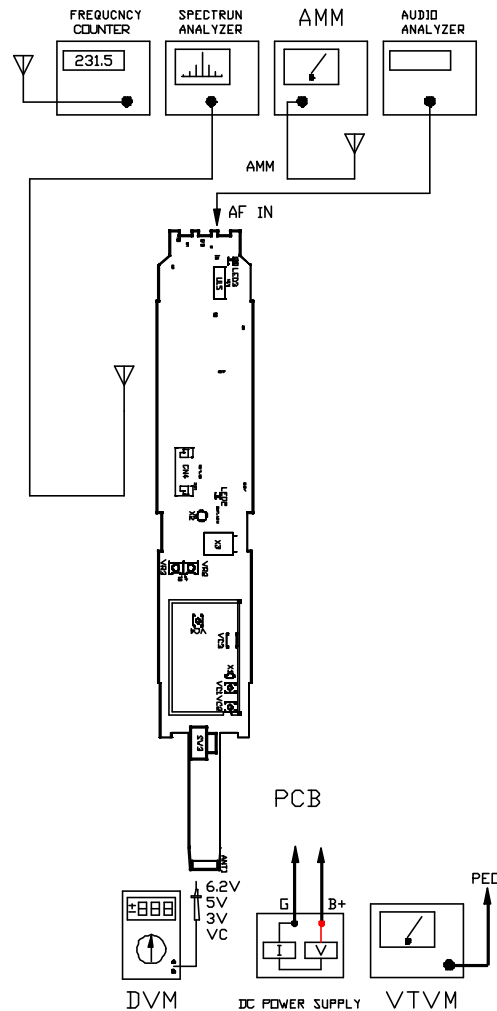


TEST AND ALINGNMENT INSTRUCTIONS

1、 Measuring instruments and test set-up



2.Pre-set

- A、 Audio analyzer : 400Hz , —28.6dBV.
- B、 DC power supply : 3V OUT
- C、 Spectrum analyzer : Frequency start 10MHz
Frequency stop 2.9GHz

TEST AND ALINGNMENT INSTRUCTIONS

NO	MEASUREMENTA DJUSTMENT	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	6.2V	NO	+ 6.2V ± 0.2V
3	VOLTAGE REAUATOR 3V	DC POWER SUPPLY 3V	DC VOLTAGE METER	3V	NO	+ 3V ± 0.25V
4	VOLTAGE REAUATOR 5V	DC POWER SUPPLY 3V	DC VOLTAGE METER	5V	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 20dB 3. CENTER FREQ	SPECTRUM ANALYZET	ANT	VC1,VC2	1.PEAK:109~+115dBuV 2.SPURIOUS>-50dBc
9	CURRENT DISSIPATION	DC POWER SUPPLY 3V	CURRENT MATER	BAT + BAT -	NO	78mA 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	AUDIO ANALYZER	MO	NO	615 mV ± 12mV
12	MODULATION	AUDIO ANALYZER 400Hz	AMM (3.5K LPF)	ANT	VR2	40 ± 1K
13	PREEMPHASIS	AUDIO ANALYZER 10KHz	AMM (15K LPF)	ANT	NO	64 ± 4K LED3 ON
14	TONE DEF (8K DEV)	1.MIC2 (TP5 TO GND) 2.AMM(50K,60K LPF) OR SPECTRUN ANY	AMM OR SPECTRUM ANALYZER MARK Δ TO32K (NEXT PEAK)	ANT	VR3	8K ± 0.3K (AMM) -18.5 ± 0.5dB (SPECTRUN)
15	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
16	BATT. LOW OFF	DC VOLTAGE 1.9V	LCD CURRENT METER	BAT + BAT -	NO	LCD SHOW PoFF I<1mA

ACT707HMR03A

PART LIST

DATE : 09/23/2002

NO: ACT707HMP01A

MODEL : ACT-707HM CIRCUIT : 1PM044BA

Computer No.	Reference	Value
1CCS6P000	C1	1CCS6P000
1CCS6P000	C2	(1P)
1CTSAA106	C3	10UF
1CCS6P006	C4	(6P)
1CCS6P004	C5	(3P)
1CCS6P033	C6	33P
1CCS6X104	C7	104P
1CCS6P151	C8	470P
1CCS6P004	C9	(5P)
1CTSAA106	C10	100UF
1CCS6X104	C11	104P
1CTSAA106	C12	10UF
1CCS6X471	C13	470P
1CCS6P068	C14	68P
1CCS6P103	C15	103P
1CCS6P047	C16	47P
1CCS6P471	C17	470P
1CCS6P471	C18	470P
1CCS6P006	C19	6P
1CCS6P471	C20	470P
1CCS6P101	C21	100P
1CCS6P010	C22	10P
1CTSAA106	C23	100UF
1CCS6P471	C24	470P
1CCS6X103	C25	103P
1CCS6P101	C26	100P
1CCS6P003	C27	(3P)
1CTSAA106	C28	100UF
1CTSAA106	C29	100UF
1CCS6P003	C30	(3P)

PART LIST

DATE : 09/23/2002

NO: ACT707HMP01A

MODEL : ACT-707HM CIRCUIT : 1PM044BA

Computer No.	Reference	Value
1CCS6P471	C31	470P
1CCS6X471	C32	470P
1CCS6P001	C33	(1P)
1CCS6P101	C34	100P
1CCS6P000	C35	0.5P
1CCS6P102	C36	102P
1CCS6P471	C37	470P
1CCS6P151	C38	150P
1CCS6X102	C39	100P
1CTSBA225	C40	2.2UF
1CCS6P002	C41	(2P)
1CCS6X471	C42	470P
1CCS6P033	C43	33P
1CCS6P000	C44	0.5P
1CTSDA474	C45	0.47UF
1CTSAA106	C46	10UF
C47	C47	(*)
1CCS6P101	C48	100P
1CCS6P101	C49	100P
1CCS6P101	C50	100P
1CCS6P101	C51	100P
1CCS6P039	C52	39P
1CCS6P471	C53	470P
1CCS6P471	C54	103P
1CCS6P102	C55	102P
1CTSBA225	C56	2.2UF
1CTSBA225	C57	2.2UF
1CCS6P101	C58	100P
1CTSAA106	C59	10UF
1CTSBA105	C60	1UF

PART LIST

DATE : 09/23/2002

NO: ACT707HMP01A

MODEL : ACT-707HM CIRCUIT : 1PM044BA

Computer No.	Reference	Value
1CCS6P101	C61	100P
1CCS6P101	C62	100P
1CCS6P101	C63	100P
1CCS6P471	C64	470P
1CCS6P102	C66	102P
1CTSAA106	C68	10UF
1CCS6X103	C69	103P
1CCS6X104	C70	104P
1CTSBA225	C72	2.2UF
1CTSBA225	C74	2.2UF
1CTSAA475	C75	4.7UF
1CCS6P020	C77	20P
1CCS6P001	C78	(1P)
1CTSAA106	C79	10UF
1CCS6X104	C80	104P
1CCS6P471	C81	470P
1CTSBA335	C82	33UF
1CCS6X103	C83	103P
1CTSDA104	C84	0.1UF
1CCSCX102	C85	102P
1CTSBA225	C86	2.2UF
1CCS8P102	C87	102P(NPO)
1CCS8X103	C88	103P
1CTSBA225	C89	2.2UF
1CCS6P020	C90	20P
1CCS6P101	C91	100P
1CTSAA106	C92	10UF
1CTSAA106	C93	10UF
1CTSBA225	C94	2.2UF
1CTSDA474	C95	0.47UF

PART LIST

DATE : 09/23/2002

NO: ACT707HMP01A

MODEL : ACT-707HM CIRCUIT : 1PM044BA

Computer No.	Reference	Value
1CTSBA225	C96	2.2UF
1CTSBA225	C97	2.2UF
1CTSBA225	C98	2.2UF
1CTSBA225	C100	2.2UF
1CCS8X104	C101	104P (0805)
1CTSBA225	C102	2.2UF
1CTSBA225	C104	2.2UF
1CCSCP332	C105	332P
1CCS6P012	C106	12P
1CCS6X473	C107	473P
1CCS6P036	C108	36P
1CCS6X103	C109	103P
1CTSAA106	C110	1UF
1CCS6X471	C111	470P
1CCS6P103	C112	103P
1CCS6P473	C114	473P
1CCS6P001	C115	(1P)
1CTSBA225	C116	2.2UF
1CCS6P102	C117	102P
1CCS6P102	C119	102P
1CCS6X102	C120	102P
1CCS6X473	C124	473P
1LLS8224	L1	220nH
1LLS8823	L2	82nH
1LLS8224	L4	220nH
1LLSA822	L5	8.2nH
1LLS8221	L6	220nH
1LLS8224	L7	220nH
1LLS8224	L8	220nH

PART LIST

DATE : 09/23/2002

NO: ACT707HMP01A

MODEL : ACT-707HM CIRCUIT : 1PM044BA

Computer No.	Reference	Value
L9	L9	(1T)
L10	L10	(1T)
1LLS8153	L11	(15NH)
1LLS8823	L13	(6.2NH)
L14	L14	47uH
L15	L15	47uH
1LLS8221	L16	220nH
1LLS8224	L17	220nH
1LLS8224	L18	220nH
1LLS8224	L19	220nH
1LLS8153	L20	(15NH)
1DLNRC01	LED2	LED-D3-R
1DLSR210	LED3	SML-210LT
1TS093AW	Q1	1TS093AW
1TS01577	Q2	1TS01577
1TS0520X	Q3	1TS0520X
1TS0520X	Q4	1TS0520X
1TS0520X	Q5	1TS0520X
1TS04097	Q6	1TS04097
1TS01577	Q7	1TS01577
1TS16212	Q8	1TS16212
1TS04097	Q9	1TS04097
1TS15113	Q10	1TS15113
1TS04097	Q11	1TS04097
1TS01577	Q12	1TS01577
1TS04097	Q13	1TS04097
1TS00508	Q14	1TS00508
1TS04097	Q15	1TS04097

PART LIST

DATE : 09/23/2002

NO: ACT707HMP01A

MODEL : ACT-707HM CIRCUIT : 1PM044BA		
Computer No.	Reference	Value
1TS01577	Q16	1TS01577
1TS04097	Q17	1TS04097
1TS04097	Q18	1TS04097
1TS04097	Q19	1TS04097
1TS04097	Q20	1TS04097
1TS04097	Q21	1TS04097
1RS6A153	R1	15K
1RS6A103	R2	(10K)
1RS6A152	R3	1.5K
1RS6A010	R4	10
1RS6A152	R5	1.5K
1RS6A222	R6	2.2K
1RS6A102	R7	100
1RS6A082	R8	82
1RS6A010	R9	10
1RS6A010	R10	10
1RS6A022	R11	22
1RS6A472	R12	4.7K
1RS6A472	R13	4.7K
1RS6A472	R14	4.7K
1RS6A181	R15	180
1RS6A022	R16	22
1RS6A473	R17	47K
1RS6A022	R18	22
1RS6A273	R19	27K
1RS6A181	R20	180
1RS6A022	R21	22
1RS6A103	R22	10K
1RS6A101	R23	100

PART LIST

DATE : 09/23/2002

NO: ACT707HMP01A

MODEL : ACT-707HM CIRCUIT : 1PM044BA

Computer No.	Reference	Value
1RS6A104	R24	100K
1RS6A010	R25	10
1RS6A472	R26	4.7K
1RS6A104	R27	100K
1RS6A473	R28	47K
1RS6A681	R29	(680)
1RS6A022	R30	22
1RS6A222	R31	2.2K
1RS6A271	R32	2.7K
1RS6A472	R33	4.7K
1RS6A331	R34	330
1RS6A183	R35	18K
1RS6A103	R36	10K
1RS6A331	R37	330
1RS6A101	R38	100
1RS6A333	R39	33K
1RS6A473	R40	47K
1RS6A102	R41	1K
1RS6A123	R42	12K
1RS6A047	R43	47
1RS6A101	R44	100
1RS6A101	R45	100
1RS6A101	R46	100
1RS6A103	R47	10K
1RS6A473	R48	47K
1RS6A473	R49	47K
1RS6A101	R50	100
1RS6A104	R51	100K
1RS6A047	R52	47
1RS6A473	R53	47K

PART LIST

DATE : 09/23/2002

NO: ACT707HMP01A

MODEL : ACT-707HM CIRCUIT : 1PM044BA

Computer No.	Reference	Value
1RS6A123	R54	12K
1RS6A243	R55	24K
1RS6A473	R56	56K
1RS6A822	R57	8.2K
1RS6A104	R58	100K
1RS6A104	R59	100K
1RS6A104	R60	100K
1RS6A104	R61	100K
1RS6A473	R62	47K
1RS6A244	R63	240K
1RS6A473	R64	47K
1RS6A225	R65	2.2M
1RS6A225	R66	2.2M
1RS6A472	R67	4.7K
1RS6A393	R68	39K
1RS6A332	R69	3.3K
1RS6A223	R70	22K
1RS6A104	R71	100K
1RS6A102	R72	1K
1RS6A102	R73	10K
1RS6A104	R74	100K
1RS6A104	R75	47K
1RS6A103	R77	10K
1RS6A010	R78	10
1RS6A473	R79	47K
R80	R80	(*)
1RS6A153	R83	15K
1RS6A182	R84	1K
1RS6A153	R86	15K
1RS6A153	R88	15K

PART LIST

DATE : 09/23/2002

NO: ACT707HMP01A

MODEL : ACT-707HM CIRCUIT : 1PM044BA		
Computer No.	Reference	Value
1RS6A303	R89	30K
1RS6A047	R90	47
1RS6A333	R91	33K
1RS6A472	R92	2.7K
1RS6A393	R93	39K
1RS6A622	R94	6.2K
1RS6A472	R95	4.7K
1RS6A682	R96	6.8K
1RS6A392	R98	10
1RS6A272	R99	2.7K
1RS6A473	R100	150K
1RS6A473	R101	47K
1RS6A103	R102	10K
1RS6A203	R103	20K
1RS6A102	R104	1K
1RS6A103	R105	10K
1RS6A103	R106	10K
1RS6A104	R107	100K
1RS6A333	R108	33K
1RS6A106	R110	10M
1RS6A562	R111	10K
1RS6A272	R112	2.7K
1RS6A822	R113	8.2K
1RS6A123	R114	12K
1RS6A047	R115	47
1RS6A393	R116	39K
1RS6A393	R117	39K
1RS6A153	R119	15K
1RS6A122	R121	1.2K
1RS6A472	R122	4.7K

PART LIST

DATE : 09/23/2002

NO: ACT707HMP01A

MODEL : ACT-707HM CIRCUIT : 1PM044BA

Computer No.	Reference	Value
1RS6A474	R123	470K
1RS6A561	R124	560
1RS6A010	R125	10
1RS6A104	R127	100K
1RS6A332	R128	3.3K
1RS6A682	R129	6.8K
1RS6A101	R132	100
1RS6A393	R134	39K
1RS6A474	R135	47
1RS6A106	R136	10M
1RS6A393	R141	39K
1RS6A223	R142	22K
1RS6A101	R143	100
1RS6A103	R145	10K
1RS6A153	R148	15K
1RS6A153	R149	(15K)
SW3	SW3	POWER S.W.
1IS15E03	U1	1IS15E03
1TSIMZ1A	U2	1TSIMZ1A
1IR16C54	U3	1IR16C54
1TSUMX5N	U5	1TSUMX5N
1IS02903	U6	1IS02903
1IS81350	U7	1IS81350
1IS23002	U8	1IS23002
1TSIMZ1A	U9	1TSIMZ1A
1IS00284	U10	1IS00284
1IS6368B	U11	1IS6368B
1IS00572	U12	1IS00572

PART LIST

DATE : 09/23/2002

NO: ACT707HMP01A

MODEL : ACT-707HM CIRCUIT : 1PM044BA		
Computer No.	Reference	Value
1IS02221	U13	1IS02221
1IS02221	U14	1IS02221
1PM020A	U15	1PM020A
1INL0001	U16	1INL0001
1IS02221	U17	1IS02221
1CVSTC003	VC1	(1-3P)
1CVSTC003	VC2	(1-3P)
1CVS3U300	VC3	SVC6-30P
1CVSTC010	VC4	3-10P
1RSVB103	VR2	VR10K(B)
1RSVB104	VR3	VR100K(B)
1KM40000	X1	4MHz
1KM32768	X2	32.768MHz
1KCN0455	X3	455KC
1DVS0229	Z1	1SV229
1DDS0204	Z2	DA204U
1DDS0160	Z3	RB160L-40
1DDS0204	Z5	DA204U
1DVS0229	Z6	1SV229
1DDS0204	Z7	DA204U

PART LIST

DATE : 09/23/2002

NO: ACT707HMP02A

[illegible]