Adjustment	No.	Adjustment Condition & Tuning			Value	REF No.	CK.POINT
		Volaged meter i	nput impedance:	50 k ohm and above			
PREPARATION			e PC(IBM compat	-			
		-	abe(OPC-966), b	oot up the			
		adjustment so					
		(CS-F3060 ADJ	,CS-F3160/F5060	ADJ)			
LOCK VOLTAGE		Sot the walue	ng holow on the a	djustment screen.			
ADJUSTMENT		Set the value of	is below on the a	ajustment screen.		(ADJ screen)	
		LV (RX1)	164 [3.2]		I ←	LV (RX1)	
		LV (RX2)	153 [3.0]		←	LV (RX2)	
		LV (TX)	153 [3.0]		←	LV (TX)	
		•					
			to update for c	urrent value,			
		and verify th	em.				
		_	3577777				
		1 F 4 OMIL DV	ADJUSTMENT	LVIN		(ADJ screen)	(ADJ screen)
		154.9MHz RX 174MHz RX	RX LVA1 RX LVA2	3.2		RX LVA1 RX LVA2	LVIN
		174MHZ RX 174MHZ TX	TX LVA	3.0		TX LVA2	
		1/41112 17	IN DVA	3.0		IX LVA	
LOCK VOLTAGE		Verify the Lo	ck Voltage as b	elow.			
VERIFY							
			LVIN				
		136MHz RX	0.6 - 1.6				(ADJ screen)
		155MHz RX	0.6 - 1.6		—		LVIN
		136MHz TX	0.6 - 1.6		I ←		
FREQUENCY			equency to the				
ADJUSTMENT		the band, and	set the freque	ncy as below.		(3.5.7.	
		B	/			(ADJ screen)	
		Frequency	(adjustment i	requency) ±250Hz	←	REF	ANT connector
TX POWER		Sot the welts	ge of the HV li	no as bolow in			
ADJUSTMENT		transmitting.	ge of the hv fr	ine as below in			
71DO OO TPIBIVT		-	r.=7.5V [EUR] v	er.=7.2V			
		[0011], [0211], 10	2. 7.01 [2011] 1	01. 7.2.			
		Adjust the TX	power as below	·			
		,	•				
		ADJUSTMENT FREQUENCY	155MHz			(ADJ screen)	
		Hi Power	5.0 W		←	Power(Hi)	ANT connector
		L2 Power	2.0 W		←	Power(L2)	
		L1 Power	1.0 W		├	Power(L1)	
		<u> </u>					

	No.	Adjust	ment Condition & Tuning	Value	REF No.	CK.POINT
TX POWER VERIFY		Verify the TX	power in the band.			
VEIXIFI		Hi Power	4.0 - 6.0 W			ANT connector
		L2 Power	1.0 - 3.0 W	←		
		L1 Power	0.5 - 2.0 W	←		
			<u>_</u>			
CURRENT		Varify the cur	rent consumption.			
CONSUMPTION		verify the cur	Tene Consumption.			
(TX)		Hi Power	Less than 2A	←		HV line
VERIFY						
SPRIOUS VERIFY		Verify the spr [USA], [GEN] v				
VIIVII		Sprious	Less than 70dB from the carrier	ĭ ←		ANT connector
		Emittion	level			
				•		
		[EUR] ver.		,		
		Sprious	Less than 0.25uW>BGHz Less than 1.0uW >1GHz	←		ANT connector
		Emittion				
NOTICE FOR MODULATION ADJUSTMENTS		middle can not	adjustments for wide and be done at the same time,			
		The modulation middle can not Wide/Middle is software. Middle(20kHz)	adjustments for wide and			
MODULATION		The modulation middle can not Wide/Middle is software. Middle(20kHz) Set the modulation	adjustments for wide and be done at the same time, sellected on the cloning is for [EUR] only.			
MODULATION		The modulation middle can not Wide/Middle is software. Middle(20kHz)	adjustments for wide and be done at the same time, sellected on the cloning is for [EUR] only.			
MODULATION		The modulation middle can not Wide/Middle is software. Middle(20kHz) Set the modulation	adjustments for wide and be done at the same time, sellected on the cloning is for [EUR] only. ion analizer as below.			
MODULATION		The modulation middle can not Wide/Middle is software. Middle(20kHz) Set the modulation	adjustments for wide and be done at the same time, sellected on the cloning is for [EUR] only. ion analizer as below. OFF 50Hz(for S/N measurement)			

Adjustment N	o. Adjustment Condition & Tuning	Value	REF No.	CK.POINT
MODULATION BALANCE	Set the "MOD N" to "60" on the ADJ screen.			
ADJUSTMENT	While transmitting, push and hold "P0" key adjust the wave form on the ADJ screen BAL(Narrow).			
	ADJUSTMENT Freq around 155MHz	,	(ADJ screen)	
		squware wave	BAL(Narrow)	ANT connector
MODULATION	Connect the AG to the ext. MIC jack,			
ADJUSTMENT	and set the AG as; Freq.=1kHz Level=150mVrms			
	Adjust the deviation as below. Adjust the deviation in the center of the band first (MOD*C), then adjust the deviation			
1	in the upper and lower edge.			
	NARROW ADJUSTMENT ITEM ADJUSTMENT VALUE.	7	(ADJ screen)	
	around 155MHz MOD N C	1 ←	MOD N C	ANT connector
	around 136MHz MOD N L ±2.10 ±0.05kHz		MOD N L	
	around 174MHz MOD N H	」 	MOD N H	
	WIDE ADJUSTMENT ITEM ADJUSTMENT VALUE.	7		
	around 155MHz MOD W C	 	MOD W C	ANT connector
	around 136MHz MOD W L ±4.10 ±0.05kHz		MOD W L	
	around 174MHz MOD W H		MOD W H	
	MID ADTHOMONY TODA ADTHOMEND 1721 HE	, I		
	MID ADJUSTMENT ITEM ADJUSTMENT VALUE.	 	MOD M C	ANIII anni iri
	around 155MHz MOD M C around 136MHz MOD M L ±3.25 ±0.05kHz		MOD M C MOD M L	ANT connector
	around 174MHz MOD M H		MOD M L MOD M H	
		4 1 '	1	

Adjustment	No.	. Adjustment Condition & Tuning			REF No.	CK.POINT
DIGITAL			119H/UT-126H to the			
		transceiver (MAII				
MODULATION		_	to 7, and transmit in a			
ADJUSTMENT		digital ch. And	adjust the deviation as below.			
		FREQUENCY AD	JUSTMENT ITEM ADJUSTMENT VALUE.		(ADJ screen)	
		around 155MHz	MOD D C	1	MOD D C	ANT connector
		around 136MHz	MOD D L ±1.37 ±0.02kHz		MOD D L	ANI COMMECCOI
		around 174MHz	MOD D H	 	MOD D H	
		<u> </u>				
DEVIATION		Verify the devia	ation as below in the band.			
VERIFY						
		In cace of 60% of				
		DEVIATION LEVEL	10 - 20 mVrms	←		ANT connector
		In cace of 15mV				
		WIDE	±2.20 -±3.80 kHz	←		ANT connector
		MID NARROW	±1.75 -±3.05 kHz ±1.10 -±1.90 kHz	←		
		NARROW	11.10 -11.90 KHZ	—		
CTCSS/DTCS		Adjust the devia	ation of CTCSS signal(151.4Hz)			
DEVIATION		on the ADJ scree	-			
ADJUSTMENT						
		ADJUSTMENT FREQUENCY	around 155MHz		(ADJ screen)	
		WIDE	±0.70 ± 0.02 kHz	←	CTCS/DTCS	ANT connector
CTCSS/DTCS		Verify the deviati	on of the CTCSS and DTCS(CODE:007)			
DEVIATION		signals as below	W.			
VERIFY						
		WIDE	±0.50 -±0.90 kHz	-		ANT connector
		MID	±0.40 -±0.75 kHz			
		NARROW	±0.25 -±0.50 kHz	←		
ОШОМП		7 4				
2TONE 5TONE, DTMF			ation of signal on the ADJ 1T/S,IC-F3161DT/S only).			
DEVIATION		screen (ic-rsio.	11/3,1C-F3101D1/3 OHIY).		(ADJ screen)	
ADJUSTMENT		NARROW	±1.50 kHz	I ←	S.Tone	ANT connector
		<u> </u>				
2TONE		Verify the devia	ation as below.			
5TONE, DTMF						
DEVIATION		WIDE	±2.40 -±3.60 kHz	←	DTMF=P3	ANT connector
VERIFY		MID	±1.90 -±2.90 kHz	←		
		NARROW	±1.20 -±1.80 kHz	←		
		10				
TX S/N		Verify the S/N	ratio as below.(70% dev.)			
VERIFY		MIDE	Mara than 10dp			ANIII
		WIDE MID	More than 40dB More than 38dB			ANT connector
		NARROW	More than 38dB More than 34dB			
		14111(1(0))	note chan stab			
<u> </u>	1			I		

Details of modification

		TYPE(PARTS)		Location	n gahamatia	Reason of modification
Unit	REF NO.	F3061	F3161	F3061	F3161	Reason of moutification
	0505	UMG2N	- 2101	2G	- - 3101	Due to the change of CPU.
FRONT/FRONT-A	0514	UNR9113J		2F		Due to the change of CPU.
	0517	-	UNR9213J		3 F	Due to the change of CPU.
	D502	MA2S728	-	1G	_	Due to the change of CPU.
	D502	MA2S728	_	1F	_	Due to the change of CPU.
	D509	_	MA8110 M	1	1G	Due to the change of CPU.
	R512	_	10 ERJ2GE	_	51	Due to the change of CPU.
	R517	ERJ2GE-JPW	-	1G	_	Due to the change of CPU.
	R518	ERJ2GE-JPW	_	1G	_	Due to the change of CPU.
	R519	10K ERJ2GE	_	2G	_	Due to the change of CPU.
	R520	10K ERJ2GE	_	2G	_	Due to the change of CPU.
	R545	10K ERJ2GE	_	2G	_	Due to the change of CPU.
	R568	-	100K ERJ2GE	_	3C	Due to the change of CPU.
	R569	_	100K ERJ2GE	_	3C	Due to the change of CPU.
	R570	_	100K ERJ2GE	_	3C	Due to the change of CPU.
	R571	_	100K ERJ2GE	_	3E	Due to the change of CPU.
	R572	_	100K ERJ2GE	_	2B	Due to the change of CPU.
	C519	_	0.047 ECJ10 10V B	_	51	Due to the change of CPU.
	C524	0.001 ECJ10 B	-	1G	_	Due to the change of CPU.
	C551	-	47P ECJ10 CH	1	4K	Due to the change of CPU.
	C552	_	47P ECJ10 CH	_	4K	Due to the change of CPU.
	C554	_	47P ECJ10 CH	_	4K	Due to the change of CPU.
	C556	_	47P ECJ10 CH	_	3K	Due to the change of CPU.
	C558	_	47P ECJ10 CH	_	3K	Due to the change of CPU.
	C562	_	0.001 ECJ10 B	_	3B	Due to the change of CPU.
	MC501	SKB-2746 LPC	EM6027P-46C33-G-01	3н	3Н	Due to the change of CPU.
	EP501	B-6418	B-6947	1_	_	Change of PC board
MAIN/MAIN-A	IC18	HD64F2268TFV (EMPTY)	HD64F2552RBR26DV(EMPTY)	8M	8M	Due to the change of CPU.
	IC19	24LC512T-I/SM	24LC1025T-I/SM	70	6P	Due to the change of CPU.
	IC21	NJM2125F	NJM2904V	2C	2C/7C	Due to the change of CPU.
	IC22	CD4053B PWR	-	7J	_	Due to the change of CPU.
	IC24	CD4094BPWR	-	100	_	Due to the change of CPU.
	IC25	-	NJM2711F	_	6C	Due to change of IF circuit (to improve selectivity at digital mode)
	IC26	-	TC7W53FK F	_	11D	Due to change of modulation circuit
	Q38	2SC4116 BL F	-	6F	_	Due to change of IF circuit (to improve selectivity at digital mode)
	Q47	-	UNR9213J	_	2P	VCC switching circuit
	Q48	-	TPC6103 F	_	1P	VCC switching circuit
	Q49	-	2SC4116 BL F	-	6C	Due to change of IF circuit (to improve selectivity at digital mode)
	Q50	-	UNR9213J	_	3L	Due to the change of CPU.
	Q52	-	2SK3019	-	5D	Due to the change of CPU.
	D43	-	MA2S111	-	7J	Due to the change of CPU.
	L48	-	MLF1608A 1R8K 1.8U	-	5F	Due to change of IF circuit (to improve selectivity at digital mode)
	L51	-	NLV25T 4R7J 4.7U	1-	30	Due to the change of CPU.
	R1	270K ERJ2GE	150K ERJ2GE	2C	2C	Due to the change of CPU.
	R95	100K ERJ2GE	220K ERJ2GE	5F	5F	Due to change of IF circuit (to improve selectivity at digital mode)
1	R98	680 ERJ2GE	-	5F	-	Due to change of IF circuit (to improve selectivity at digital mode)
1	R101	2.2K ERJ2GE	1.8K ERJ2GE	5E	5E	Due to change of IF circuit (to improve selectivity at digital mode)
	R122	470 ERJ2GE	120 ERJ2GE	5D	6D	Due to change of IF circuit (to improve selectivity at digital mode)
	R123	100K ERJ2GE	68K ERJ2GE	5D	6D	Due to change of IF circuit (to improve selectivity at digital mode)
1	R124	4.7K ERJ2GE	1.5K ERJ2GE	6D	6D	Due to change of IF circuit (to improve selectivity at digital mode)
1	R141	39K ERJ2RKF	33K ERJ2GE	8B	8B	Due to change of modulation circuit
1	R143	39K ERJ2RKF	33K ERJ2GE	8B	8B	Due to change of modulation circuit
	R147	330K ERJ2GE	470K ERJ2GE	9C	9C	Due to change of modulation circuit
	R148	33K ERJ2GE	3.9K ERJ2GE	9C	9C	Due to change of modulation circuit
1	R149	27K ERJ2GE	ERJ2GE-JPW	10C	10C	Due to change of modulation circuit
	R150	470 ERJ2GE	10 ERJ2GE	10B	10B	Due to change of modulation circuit
	R151	470 ERJ2GE	100 ERJ2GE	10B	10B	Due to change of modulation circuit
1			·		1 -	

Details of modification

		TYPE(PARTS) Location in schema		n schemati	ic Reason of modification			
Unit	REF NO.	F3061	F3161	F3061	F3161			
	R156	8.2K ERJ2GE	3.3K ERJ2GE	10B	10E	Due to change of modulation circuit		
	R165	3.9K ERJ2GE	ERJ2GE-JPW	7G	7G	Due to change of modulation circuit		
	R166	4.7K ERJ2GE	-	10D	_	Due to change of modulation circuit		
	R174	2.7K ERJ2GE	6.8K ERJ2GE	10D	10C	Due to change of modulation circuit		
	R175	820 ERJ2GE	330 ERJ2GE	10C	10C	Due to change of modulation circuit		
	R181	270K ERJ2RKF	120K ERJ2GE	7B	7B	Due to change of modulation circuit		
	R207	-	12K ERJ2GE	1	8H	Due to change of modulation circuit		
	R233	EXB28V104J 100K	-	7N	-	Due to the change of CPU.		
	R236	EXB28V104J 100K	_	7N	_	Due to the change of CPU.		
	R237	1K ERJ2GE	_	7N	_	Due to the change of CPU.		
	R242	EXB-V4V 1K	EXB28V102J 1K	90	7J	Due to the change of CPU.		
	R254	1K ERJ2GE	-	10M	_	Due to the change of CPU.		
	R255	EXB-V4V 1K	EXB28V102J 1K	10L	100	Due to the change of CPU.		
	R256	1K ERJ2GE	-	10N	_	Due to the change of CPU.		
	R283	100K ERJ2GE	180K ERJ2GE	4H	4H	Due to the change of CPU.		
	R289	120K ERJ2GE	100K ERJ2GE	11E	11E	Due to change of modulation circuit		
	R292	150 ERJ2GE	10 ERJ2GE	6G	6G	Due to change of IF circuit (to improve selectivity at digital mode)		
	R293	47 ERJ2GE	150 ERJ2GE	6н	6H	Due to change of IF circuit (to improve selectivity at digital mode)		
1	R301	100K ERJ2GE	-	6N	-	Due to the change of CPU.		
	R303	4.7K ERJ2GE	_	6E	_	Due to change of IF circuit (to improve selectivity at digital mode)		
	R304	3.3K ERJ2GE	-	6F	_	Due to change of IF circuit (to improve selectivity at digital mode)		
	R307	100K ERJ2GE	-	110	_	Due to the change of CPU.		
	R320	100K ERJ2GE	_	9F	_	Due to the change of CPU.		
	R328	ERTJ0EP473J	_	9C	_	Due to change of modulation circuit		
	R329	33K ERJ2GE	-	10C	_	Due to change of modulation circuit		
	R330	6.8K ERJ2GE	15K ERJ2GE	10C	10C	Due to change of modulation circuit		
	R332	680 ERJ2GE	-	10D	_	Due to change of modulation circuit		
	R334	15K ERJ2GE	ERJ2GE-JPW	7B	8G	Due to change of modulation circuit		
	R336	ERTJ0EP473J	-	7G	_	Due to the change of CPU.		
	R345	-	100K ERJ2GE	1_	2P	Due to the change of CPU.		
	R346	_	270K ERJ2GE	1_	1P	Due to the change of CPU.		
	R351	_	6.8K ERJ2GE	1_	6B	Due to change of IF circuit (to improve selectivity at digital mode)		
	R352	-	5.6K ERJ2GE	_	6B	Due to change of IF circuit (to improve selectivity at digital mode)		
	R353	-	100 ERJ2GE	_	5B	Due to change of IF circuit (to improve selectivity at digital mode)		
	R354	_	180K ERJ2GE	_	5C	Due to change of IF circuit (to improve selectivity at digital mode)		
	R355	-	1K ERJ2GE	1_	6C	Due to change of IF circuit (to improve selectivity at digital mode)		
	R356	-	100 ERJ2GE	_	6C	Due to change of IF circuit (to improve selectivity at digital mode)		
1	R357	-	4.7K ERJ2GE	1-	5D	Due to change of IF circuit (to improve selectivity at digital mode)		
	R358	-	1K ERJ2GE	1-	6H	Due to the change of CPU.		
	R359	-	100K ERJ2GE	_	10P	Due to the change of CPU.		
1	R360	-	100K ERJ2GE	_	6L	Due to the change of CPU.		
	R361	-	100K ERJ2GE	_	6L	Due to the change of CPU.		
1	R362	-	100K ERJ2GE	1-	6L	Due to the change of CPU.		
	R363	-	100K ERJ2GE	_	10N	Due to the change of CPU.		
	R364	-	100K ERJ2GE	1-	80	Due to the change of CPU.		
	R365	_	100K ERJ2GE	_	80	Due to the change of CPU.		
	R366	-	100K ERJ2GE	_	90	Due to the change of CPU.		
	R367	-	100K ERJ2GE	1-	90	Due to the change of CPU.		
	R368	-	100K ERJ2GE	_	10N	Due to the change of CPU.		
	R369	-	100K ERJ2GE	_	7J	Due to the change of CPU.		
	R370	-	100K ERJ2GE	1-	10G	Due to the change of CPU.		
1	R371	_	100K ERJ2GE	-	11G	Due to the change of CPU.		
1	R372	_	100K ERJ2GE	_	70	Due to the change of CPU.		
1	R373	_	100K ERJ2GE	_	7N	Due to the change of CPU.		
	R374	_	100K ERJ2GE	-	7N	Due to the change of CPU.		
	R375	_	100K ERJ2GE	_	7N	Due to the change of CPU.		
	R376	_	100K ERJ2GE	_	7N	Due to the change of CPU.		
1	12.570		120010 1100 2011	I	1 ***	lace to the change of the.		

Details of modification

		TYPE(PARTS)		Location i	n schematic	Reason of modification
Unit	REF NO.	· · · · · · · · · · · · · · · · · · ·	F3161	F3061	F3161	100001 01 11001011
01110	R377	-	100K ERJ2GE	-	70	Due to the change of CPU.
	R378	_	1K ERJ2GE	_	3D	Due to the change of CPU.
	R379	_	1K ERJ2GE	_	3C	Due to the change of CPU.
	R380	_	1.5K ERJ2GE	_	6C	Due to change of IF circuit (to improve selectivity at digital mode)
	R381	_	1.2K ERJ2GE	_	11C	Due to change of modulation circuit
	R382	_	3.3K ERJ2GE	_	11C	Due to change of modulation circuit
	R384	_	1K ERJ2GE	_	90	Due to the change of CPU.
	R385	_	100K ERJ2GE	_	10N	Due to the change of CPU.
	R386	_	ERJ2GE-JPW	_	10D	Due to change of modulation circuit
	R388	_	100K ERJ2GE	_	7C	Due to change of modulation circuit
	R389	_	10K ERJ2GE	_	7C	Due to change of modulation circuit
	R390	_	100K ERJ2GE	_	7C	Due to change of modulation circuit
	R391	_	56K ERJ2GE	_	2B	Due to the change of CPU.
	R392	-	560K ERJ2GE	_	2B	Due to the change of CPU.
	R393	_	39K ERJ2GE	_	2B	Due to the change of CPU.
	C1	39P ECJ10 CH	68P ECJ10 CH		2C	Due to the change of CPU.
	C190	-	7P ECJ10 CH	_	5F	Due to change of IF circuit (to improve selectivity at digital mode)
	C209	6P ECJ10 CH	5P ECJ10 CH B	6G	6G	Due to change of IF circuit (to improve selectivity at digital mode)
	C210	22P ECJ10 CH	27P ECJ10 CH	6G	6G	Due to change of IF circuit (to improve selectivity at digital mode)
	C214	4P ECJ10 CH B	_	6G	_	Due to change of modulation circuit
	C216	470P ECJ10 B	820P ECJ10 B	5D	5D	Due to change of modulation circuit
	C217	470P ECJ10 B	820P ECJ10 B	5D	5D	Due to change of modulation circuit
	C240	47P ECJ10 CH	33P ECJ10 CH	9C	9C	Due to change of modulation circuit
	C241	0.0012 ECJ10 B	0.0056 ECJ10 25V B	9C	9C	Due to change of modulation circuit
	C255	0.01 ECJ10 16V B	_	10D	_	Due to change of modulation circuit
	C312	0.1 ECJ10 10V B	1 ECJ10 6.3V B	8G	8G	Due to change of modulation circuit
	C316	0.1 ECJ10 10V B	0.47 ECJ10 6.3V B	10N	10L	Due to the change of CPU.
	C362	-	0.1 ECJ10 10V B	_	80	Due to the change of CPU.
	C378	0.01 ECJ10 16V B	0.1 ECJ10 10V B	5H	5H	Due to the change of CPU.
	C397	-	0.001 ECJ10 B	_	7N	Due to the change of CPU.
	C405	0.1 ECJ10 10V B	-	6E	_	Due to change of IF circuit (to improve selectivity at digital mode)
	C406	0.1 ECJ10 10V B	_	6F	_	Due to change of IF circuit (to improve selectivity at digital mode)
	C408	4.7 10V MSVA	22 10V MSVA	30	30	Due to the change of CPU.
	C410	_	0.001 ECJ10 B	-	30	Due to the change of CPU.
	C421	0.001 ECJ10 B	0.1 ECJ10 10V B	7L	10N	Due to the change of CPU.
	C424	0.01 ECJ10 16V B	-	3D	_	Due to the change of CPU.
	C429	1 ECJ10 6.3V B	_	10C	_	Due to change of modulation circuit
	C432	-	1P ECJ10 CH B	-	6M	Due to change of modulation circuit
	C433	_	0.001 ECJ10 B	_	10P	Due to the change of CPU.
	C434	_	0.001 ECJ10 B	_	10P	Due to the change of CPU.
	C437	_	0.001 ECJ10 B	_	2P	Due to the change of CPU.
	C438	_	0.001 ECJ10 B	_	2P	Due to the change of CPU.
	C441	_	0.1 ECJ10 10V B	_	5B	Due to change of modulation circuit
	C443	_	0.1 ECJ10 10V B	_	6C	Due to change of modulation circuit
	C444	_	0.1 ECJ10 10V B	_	5C	Due to change of modulation circuit
	C445	_	0.1 ECJ10 10V B	_	5C	Due to change of modulation circuit
	C446	_	0.033 ECJ10 10V B	_	6C	Due to change of modulation circuit
	C447	_	27P ECJ10 CH	_	5D	Due to change of modulation circuit
	C448	_	0.1 ECJ10 10V B	_	6D	Due to change of modulation circuit
	C449	_	0.001 ECJ10 B	I_	6H	Due to change of modulation circuit
	C450	_	0.1 ECJ10 10V B	_	11D	Due to change of modulation circuit
	C451	_	1 ECJ10 6.3V B	I_	10B	Due to change of modulation circuit
	C452	_	0.1 ECJ10 10V B	l_	7C	Due to change of modulation circuit
	C452	_	0.0018 ECJ10 B	l_	5D	Due to change of modulation circuit
	EP6	B-6417	B-6677	l_		Change of PC board
	EP7		UT-126H ACC	_	_	Due to adding of the version which has UT-126H as standard.
L	n. /	1	01 12011 1100		ļ	pac to adding of the verbion which has of 120h as standard.

Adjustment	No.	Adjustment Condition & Tuning	Value	REF No.	CK.POINT
NOTICE FOR RX		For verify of RX adjustment must be done with			
ADJUSTMENTS		a SG set as;			
		Freq.=1kHz			
		Dev.=70%			
		Connect an 8 ohms load to the SP terminal.			
RX SENSITIVITY					
ADJUSTMENT		Set the SG as;			
		FREQUENCY around 136MHz			
		LEVEL +20dBu			
				(ADJ screen)	
		Adjust the "BPF C ALL" on the ADJ screen for		BPF C ALL	RSSI line
		maximum sensitivity.			
		-			
RX SENSITIVITY		Verify the sensitivity as below.			
VERIFY		Sensitivity Less than -10 dBu (@12dB SINAD)	I ←		ANT connector
					EXT. SP
S-METER		"RX SENSITIVITY" must be adjusted before			
ADJUSTMENT		"S-METER"."S-METER" must be adjusted			
11D0 00 111DIV1		if "RX SENSITIVITY" is adjusted again.			
		II KA SENSIIIVIII IS adjusted again.			
		Setting S3 level			
		Set the SG as;		(ADJ screen)	
				RSSI	
		Freq. around 136MHz Level +23dBu		RSSI S3 Level	ANT commont on
		Level +23aBu	—	real so read	ANT connector
		Setting S1 level		(3.5.7)	
		Set the SG as;		(ADJ screen)	
		Freq. around 136MHz		RSSI	
		Level -7dBu	I ←	RSSI S1 Level	ANT connector

Adjustment No.	Adjustme	nt Condition & Tuning	Value	REF No.	CK.POINT
SQUELCH	Set the SG as;				
ADJUSTMENT	Freq.	around 155MHz		(ADJ screen)	
	Level	-14dBu	←	SQL	ANT connector
	Transaca + ha D/A	value of "SQL"to close the			
		n decrease the D/A value of			
		he point where the squlch			
	just opens.	ne point where the squich			
SQUELCH VERIFY	Verify the sqelc	h sensitivity as below.			
	Sqelch	7	│ ←		ANT connector
	sensitivity	Less than -10dBu			
	Dropping the SG opening.	level, verify the squelch			
AF POWER	Set the SG level	to +60dB11			EXT.SP
VERIFY		ntill the distortion meter			BM1.01
		erify the AF level below.			
	AF OUTPUT Mo	re than 0.35 W (@ 8 ohms load)	-		EXT.SP
	Or, turn the [VO	L] untill the distortion			
		". and verify the			
	AF level below.	-			
	AF OUTPUT	More than 0.40 W	←		EXT.SP
RX S/N	Sot the SC level	+60dB, and turn the [VOL] to			ANT connector
VERIFY		t level to the haif of the			EXT.SP
121111	lated level.	o lovel to one mall of one			2
	WIDE	More than 40dB	←		
	MID	More than 38dB	←		
	NARROW	More than 34dB	 ←		
DEGITAL	Install the UT-1	19H/UT-126H to the transceive	c		INT.SP
OPERATION	(MAIN/MAIN-A J2)				INT.MIC
VERIFY	Verify that the	digital operation can be done.	.		
HOWLING	Set the SG to +6	OdBu.			ANT connector
VERIFY		audio(Turn the [VOL]			INT.SP
	_	esults in no houling.			
		- 5 -			

Adjustment	No.	Adjustment Condition & Tuning	Value	REF No.	CK.POINT
MAX.CURRENT CONSUMPTION		Verify the current consumption at max.audio.			
(RX) VERIFY		MAX.CURRENT Less than 600 mA	←		HV line
CURRENT CONSUMPTION		Verify the current consumption in no accessory is attached.			
(STANDBY) VERIFY		STANDBY CURRENT Less than 160 mA	←		HV line