IC-A110 Adjustment procedures

Adjustment	No	Adjustment Condition & tuning	Value	REF No	POINT
		[Adjustment condition]Power supply voltage			
		13.75V			
Vdd Voltage		Q51 Drain is adjusted to $13.5 \pm 0.2V$ with R392	$13.5 \pm$	MAIN	Q51
Adjustment	1	(MAIN) under the receiving condition.	0.2V	R392	Drain
Lock Voltage		Indication frequency is made 118.000MHz, and a			CP2
Adjustment	1	digital tester is put on CP2 (LV).			(LV)
		It is adjusted to the business that a lock voltage			
		becomes $0.5\pm0.05V$ with L41 (VCO) at the	$0.5\pm$	L41	
	2	time of the reception.	0.05V	(VCO)	
		It is adjusted so that a lock voltage may			
		become $0.5\pm0.05V$ with L40 (VCO) at the time	$0.5 \pm$	L40	
	3	of the transmission.	0.05V	(VCO)	
		The degital multi meter is put on CP1 (TUNE),	<u> </u>		
Tune Voltage		and adjusted so that tune voltage may become	$0.7 \pm$	R59	CP1
Adjustment	-1	0.7±0.05V with R59 (MAIN).	0.05V	(MAIN)	(TUNE)
_		The power meter, an irregular occasion meter, a			
Frequency		frequency counter are connected at the end of			
Adjustment		the antenna.			
		Indication frequency is made 136.975MHz, and a			
	2	message is transmitted.	100.07514		
		It is adjusted so that frequency may be	136.975M	V.I	
		136.975MHz \pm 400Hz with X1 (MAIN) with	Hz±		Antenna
	3	seeing a frequency counter.	400Hz	(MAIN)	terminal
RF Power	4				
Adjustment		made 127.525MHz.			
	^	A message is transmitted with 127.525MHz			
	2	without irregularity. It is adjusted so that transmitting output may			
		become $9\pm0.5W$ with R150 (MAIN) with seeing		R150	Antenna
	2	the power meter.	$9\pm0.5W$	(MAIN)	terminal
		A message is transmitted over and under the	<u>3 - 0.3</u>		terminal
RF Power		band, and it confirms that transmitting output is			
balance		within the range of $7 - 10W$. Re-adjustment is			Antenna
Adjustment	1	done if it is not within the range.	7~10W		terminal
Deviation	<u> </u>		/ 1011		comman
Adjustment		[Adjustment condition]			
, tajuo amorre		Adjustment frequency :			
		Moduration Analyzer MOD : P-			
		HPF/LPF :			
		DE-EMP : OFF			
	1	R110, R121 (MAIN) are fitted to the center.			
		1kHz inputs the proper string wave of Vrms			
		10m from the microphone terminal, and it is			
	1	made transmitting condition. It is R121 (MAIN),			
	1	and it is adjusted so that a degree of irregularity		R121	Antenna
	2	may be 90%.	90%	(MAIN)	terminal
		20dB going down (1m Vrms) makes it do the			
	1	level of the microphone terminal, and it is R110			
		(MAIN), and it is adjusted so that a degree of		R110	Antenna

	1	1/1/1 inputs the simple of V/mas 25m with AC			
		1kHz inputs the signal of Vrms 25m with AG			
11		from EXTMIC (J6 : MAIN), and it is set so that		Баас	A t
Head set		irregularity may be 30% with 36 (MAIN) in the	200/	R336	Antenna
adjustment	-	center frequency.	30%	(MAIN)	terminal
RF BPF		r			
adjustment		[Adjustment condition]			
		SG level 0dBu (1kHz 30% MOD)			
		*) A level is made to change if necessary.			
		The outside SP, multimeter are connected with			
		SG, the SP terminal in the antenna terminal,			
		and the core position of L9, L49, L10, L11 is			
	1	preset with in the bottom.			
		Frequency is moved around 118MHz, and L9,		L9,L49,	
		L49, L10, L11 (MAIN) are adjusted so that AF		L10,L11	
	2	output may become the biggest.	AF MAX.	(MAIN)	EXT.SP
		Frequency is made 136.975MHz, and R59			
		(MAIN) is adjusted so that AF output may		R59	
	3	become the biggest.	AF MAX.	(MAIN)	EXT.SP
Squelch		The neighborhood of 118MHz is inputted to			
adjustment	1	either memory.			
5		The power is turned on, and made the			
		adjustment mode with pushing SQL, TS, SCAN			
	2	key.			
		It is fitted to the memory ch which wrote			
		frequency for the SQL adjustment that it was			
	3	written first.			
		It confirms that indication is "sqADJ02", and a			
		signal without the irregularity of -15dBu is			
	4	inputted in the same frequency than SG.	−15dBu		DS1
		SCAN key is pushed, and close level is set.	TOUDU	SCAN	DOT
	—	It confirms that indication is "sqADJ25", and		00/11	
		the signal of the 15dBu irregular-less is inputted			
	6	from SG.	15dBu		DS1
	_	SCAN key is pushed, and a open level is set.	TOUDU	SCAN	001
	\vdash'	A power supply is turned off, and it gets out of		JUAN	
	0	the adjustment mode.			
	- °	*) 4 - 5 are repeated unless a power supply is			
	1	turned off.			