

ALIGNMENT PROCEDURE FOR GMR1035-2(ST DI) / UT024ZH

TRANSMITTER

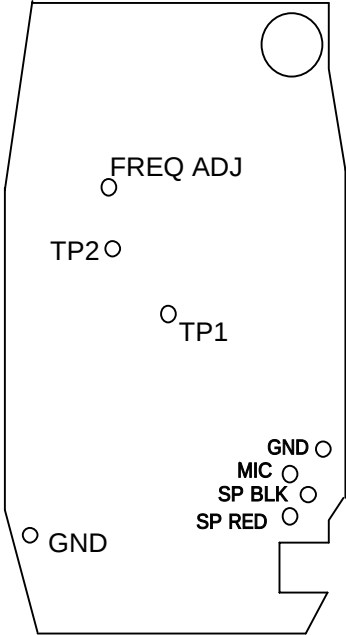
STEP	MODE	CHANNEL	FREQUENCY	CONDITION	ADJUST	METHOD
1	TX	1	462.5625MHz	RF POWER METER TO ANTENNA PATTERN (HOT AND GND) OF THE PCB .	-	CHECK THE RF OUTPUT POWER "LESS THAN 0.7W ".
2	TX	1	462.5625MHz	CONNECT FREQUENCY COUNTER TO THE ANTENNA PATTERN ON THE PCB WITH AN APPROPRIATE ATTENUATOR.	RT102	KEY THE TRANSMITTER WITHOUT ANY MODULATION. ADJUST TRANSMISSION FREQUENCY TO 462.562500MHz $\pm$ 100Hz
3	TX	1	462.5625MHz	CONNECT MODULATION ANALYZER TO THE ANTENNA PATTERN ON THE PCB. HPF:OFF LPF:15KHz DE-EMP:OFF INJECT 1KHz 60mVp-p SINE WAVE TO MIC LAND FROM AUDIO GENERATOR.	RT101	KEY THE TRANSMITTER, AND ADJUST RT101 AS THE MODULATION ANALYZER INDICATES $\pm$ 2.2KHz $\pm$ 0.1KHz DEVIATION.

RECEIVER

STEP	MODE	CHANNEL	FREQUENCY	CONDITION	ADJUST	METHOD
1	RX	1	462.5625MHz	CONNECT DC VOLTMETER TO TP2 INJECT -47dBm RF SIGNAL WITHOUT MODULATION FROM SSG TO THE ANTENNA PATTERN ON THE PCB.	L109	ADJUST L109 AS THE VOLTMETER INDICATES 1.6V $\pm$ 0.05V
2	RX	1	462.5625MHz	CONNECT SINAD METER TO SPRED&SPBLK LAND WITH 16 Ω DUMMY LOAD. INJECT RF SIGNAL FROM SSG AS FOLLOWING CONDITION. MAGNITUDE:AS LARGE AS THE RECEIVER OBTAINS 10dB SINAD SENSITIVITY. DEVIATION: $\pm$ 1.5KHz AF FREQUENCY:1KHz	RT103	TURN RT103 FULLY C.C.W., THEN TURN SLOWLY TO C.W. AND SET IT AT THE POINT WHERE WAVEFORM APPEARS AT THE SPEAKER OUT.

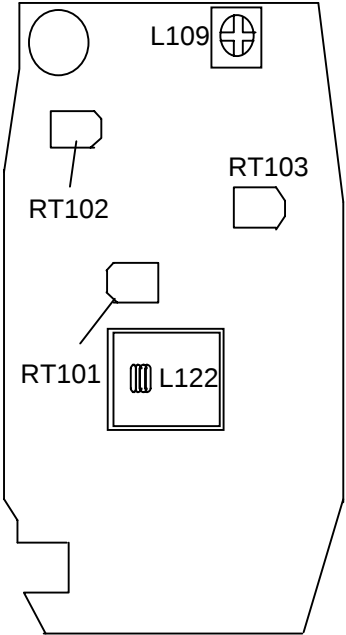
ALIGNMENT PROCEDURE		FORM-4		REFERENCE DIAGRAM NO.				PAGE			
MODEL		UNIT		BLOCK		ISSUE DATE		ISSUED			
UT024ZH						2006/11/22		TKMZW			
TITLE		ADJUST POINT		SUB TITLE				REF DIAGRAM			

1. MAIN PCB B101 (TOP VIEW)



TP1 : VCONT
TP2 : DISC OUT
FREQ. ADJ.
MIC
SP RED
SP BLK
GND

2. MAIN PCB B101 (BOTTOM VIEW)



L109 : DISC.ADJ.
L122 : VCONT ADJ..
RT101 : MAX DEV. ADJ.
RT102 : TX RF FREQ. ADJ.
RT103 : SQ ADJ.

REVISIONS:	REV. CODE													
	DATE													
	LOT # / RN #													
	REVISED BY													
	CHECKED BY													