

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

TRANSMITTER

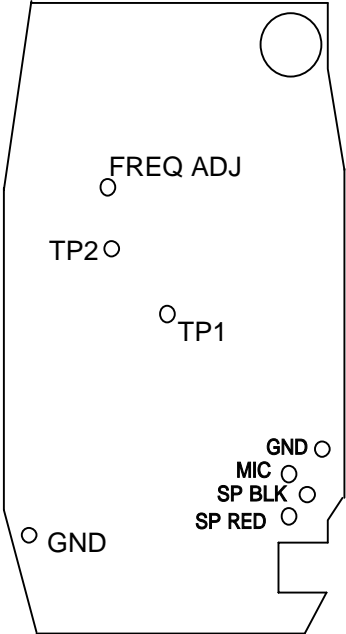
STEP	MODE	CHANNEL	FREQUENCY	CONDITION	ADJUST	METHOD
1	TX	1	462.5625MHz	RF POWER METER TO ANTENNA PATTERN (HOT AND GND) OF THE PCB .	-	CHECK THE RF OUTPUT POWER "LESS THAN 0.7W " .
2	TX	1	462.5625MHz	CONNECT FREQUENCY COUNTER TO THE ANTENNA PATTERN ON THE PCB WITH AN APPROPRIATE ATTENUATOR.	RT102	KEY 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 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.

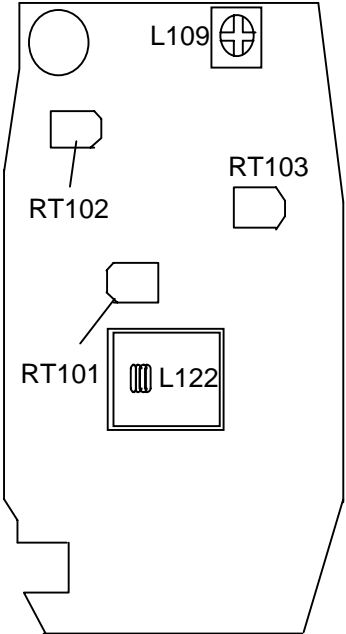
ALIGNMENT PROCEDURE		FORM-4		REFERENCE DIAGRAM NO.				PAGE			
MODEL		UNIT		BLOCK		ISSUE DATE		ISSUED			
UT024ZH						2006/11/22		TKMZW			
TITLE		ADJUST POINT		SUB TITLE				REF DIAGRAM			

1. MAIN PCB B101 (TOP VIEW)



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

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													