CT-70

Adjustment Procedure

- 1. Adjust the DC power supply so that 3V is obtained at the battery terminals.
- 2. Turn the microphone ,checking first whole machine work electric current whether normal(<100 mA)
- 3. Confirm that dummy load and coumunication tester(HP8920A) are prepared.
- 4. use the HP8920A to measure the frequency.if the frequency error margin out +/-4 PPMs, If there is variable electric capacity in VC3 in modulator to adjust the frequency error.
- 5. Change different channel. Repeat the test., It will change the frequency to 762.5MHz,775MHz and 787.45MHz.

Product	model number	r : CT-70 BOM(PC	
<mark>eface num</mark> l	Material name	Specification	measures
1	capacitance	100P,0603.TDK	6
2	capacitance	102,0603.TDK	8
3	capacitance	103,0603.TDK	12
4	capacitance	104,0603.TDK	23
5	capacitance	6P3,0603.TDK	1
6	capacitance	10P,0603.TDK	2
7	capacitance	4P7,0603.TDK	3
8	capacitance	1P5,0603.TDK	1
9	capacitance	3P,0603.TDK	2
10	capacitance	473,0603.TDK	1
11	capacitance	33P,0603.TDK	2
12	capacitance	303,0603.TDK	2
13	capacitance	470P,0603.TDK	1
14	capacitance	173,0603.TDK	1
15	capacitance	15P,0603.TDK	3
16	capacitance	27P,0603.TDK	1
17	capacitance	330P,0603.TDK	1
18	capacitance	47P,0603.TDK	2
19	capacitance	200P,0603.TDK	1
20	capacitance	222J,0805.TDK	2
21	Ta capacitance	10U/A	20
22	Ta capacitance	100U/A	2
23	Ta capacitance	0.47U/A	1
24	Ta capacitance	1U/A	7
25	Ta capacitance	47U/A	6
26	audion	BAV99W,SOT-23	2
27	audion	BAT54C,SOT-23	1
28	diode	RB051L,	1
29	switch	RS-282G02A1-SM	4
30	inductance	220N,0603	1
31	inductance	82N,0603	1
32	inductance	22N,0603	6
33	inductance	7.5N,0603	3
34	inductance	470UH	2
35	quadrode	BFG520/X, SOT- 143B	3
36	audion	2SA1037AK, SOT- 23	1

37 audion 2SC2412K, SOT-23 7 38 audion 2SK208, SOT-23 2 39 audion XP162A, SOT-89 1 40 audion XP162A, SOT-89 1 41 resistance 220R,0603.TDK 1 42 resistance 6.8K,0603.TDK 2 43 resistance 10R,0603.TDK 3 44 resistance 10R,0603.TDK 4 45 resistance 12R,0603.TDK 5 46 resistance 10R,0603.TDK 2 47 resistance 15K,0603.TDK 2 48 resistance 15K,0603.TDK 9 50 resistance 10K,0603.TDK 9 51 resistance 10K,0603.TDK 2 51 resistance 47R,0603.TDK 2 53 resistance 10K,0603.TDK 1 54 resistance 1M,0603.TDK 1 55 resistance 22K,0603	-			
39 audion XR151, SOT-23 1 40 audion XP162A, SOT-89 1 41 resistance 220R,0603.TDK 1 42 resistance 47K,0603.TDK 2 43 resistance 10R,0603.TDK 3 44 resistance 1K,0603.TDK 4 45 resistance 1K,0603.TDK 5 46 resistance 15K,0603.TDK 1 47 resistance 15K,0603.TDK 2 48 resistance 15K,0603.TDK 6 49 resistance 10K,0603.TDK 9 50 resistance 10K,0603.TDK 21 51 resistance 10K,0603.TDK 2 52 resistance 470R,0603.TDK 1 54 resistance 1M,0603.TDK 2 55 resistance 22K,0603.TDK 1 56 resistance 270K,0603.TDK 1 57 resistance 270K,06	37	audion	2SC2412K, SOT-23	7
40 audion XP162A, SOT-89 1 41 resistance 220R,0603.TDK 1 42 resistance 6.8K,0603.TDK 2 43 resistance 47K,0603.TDK 3 44 resistance 10R,0603.TDK 4 45 resistance 12R,0603.TDK 5 46 resistance 100R,0603.TDK 2 48 resistance 15K,0603.TDK 6 49 resistance 10K,0603.TDK 9 50 resistance 10K,0603.TDK 21 51 resistance 100K,0603.TDK 2 52 resistance 470R,0603.TDK 2 53 resistance 1M,0603.TDK 2 54 resistance 1M,0603.TDK 2 55 resistance 22K,0603.TDK 1 56 resistance 270K,0603.TDK 1 57 resistance 270K,0603.TDK 1 59 resistance <td< td=""><td>38</td><td>audion</td><td>2SK208, SOT-23</td><td>2</td></td<>	38	audion	2SK208, SOT-23	2
40 audion 89 1 41 resistance 220R,0603.TDK 1 42 resistance 6.8K,0603.TDK 2 43 resistance 10R,0603.TDK 3 44 resistance 10R,0603.TDK 4 45 resistance 22R,0603.TDK 5 46 resistance 100R,0603.TDK 2 47 resistance 100R,0603.TDK 2 48 resistance 15K,0603.TDK 6 49 resistance 10K,0603.TDK 9 50 resistance 100K,0603.TDK 2 51 resistance 100K,0603.TDK 2 52 resistance 470R,0603.TDK 2 53 resistance 1M,0603.TDK 1 54 resistance 1M,0603.TDK 2 55 resistance 22K,0603.TDK 1 56 resistance 270R,0603.TDK 1 57 resistance 270K,0603.T	39	audion	XR151, SOT-23	1
42 resistance 6.8K,0603.TDK 2 43 resistance 47K,0603.TDK 3 44 resistance 10R,0603.TDK 4 45 resistance 1K,0603.TDK 5 46 resistance 22R,0603.TDK 1 47 resistance 100R,0603.TDK 2 48 resistance 15K,0603.TDK 6 49 resistance 4.7K,0603.TDK 9 50 resistance 100K,0603.TDK 2 51 resistance 100K,0603.TDK 2 51 resistance 47R,0603.TDK 2 53 resistance 470K,0603.TDK 1 54 resistance 2.2K,0603.TDK 1 55 resistance 2.2K,0603.TDK 1 56 resistance 270K,0603.TDK 1 57 resistance 270K,0603.TDK 1 59 resistance 150K,0603.TDK 1 61 resistance	40	audion	· ·	1
43 resistance 47K,0603.TDK 3 44 resistance 10R,0603.TDK 4 45 resistance 1K,0603.TDK 5 46 resistance 22R,0603.TDK 1 47 resistance 100R,0603.TDK 2 48 resistance 15K,0603.TDK 6 49 resistance 4.7K,0603.TDK 9 50 resistance 10K,0603.TDK 21 51 resistance 100K,0603.TDK 2 52 resistance 47R,0603.TDK 2 53 resistance 1M,0603.TDK 1 54 resistance 1M,0603.TDK 2 55 resistance 2.2K,0603.TDK 1 57 resistance 270K,0603.TDK 1 59 resistance 270K,0603.TDK 1 60 resistance 150K,0603.TDK 2 61 resistance 150K,0603.TDK 1 62 resistance <	41	resistance	220R,0603.TDK	1
44 resistance 10R,0603.TDK 4 45 resistance 1K,0603.TDK 5 46 resistance 22R,0603.TDK 1 47 resistance 100R,0603.TDK 2 48 resistance 15K,0603.TDK 6 49 resistance 4.7K,0603.TDK 9 50 resistance 100K,0603.TDK 21 51 resistance 100K,0603.TDK 6 52 resistance 470R,0603.TDK 1 54 resistance 1M,0603.TDK 1 54 resistance 2.2K,0603.TDK 1 55 resistance 2.2K,0603.TDK 1 57 resistance 270K,0603.TDK 1 59 resistance 270K,0603.TDK 1 60 resistance 150K,0603.TDK 2 61 resistance 150K,0603.TDK 1 62 resistance 12K,0603.TDK 1 63 resistance	42	resistance	6.8K,0603.TDK	2
45 resistance 1K,0603.TDK 5 46 resistance 22R,0603.TDK 1 47 resistance 100R,0603.TDK 2 48 resistance 15K,0603.TDK 6 49 resistance 4.7K,0603.TDK 9 50 resistance 100K,0603.TDK 21 51 resistance 100K,0603.TDK 6 52 resistance 470R,0603.TDK 1 53 resistance 1M,0603.TDK 2 54 resistance 1M,0603.TDK 2 55 resistance 22K,0603.TDK 1 56 resistance 270K,0603.TDK 1 57 resistance 270K,0603.TDK 1 59 resistance 270K,0603.TDK 1 60 resistance 150K,0603.TDK 2 61 resistance 150K,0603.TDK 1 62 resistance 12K,0603.TDK 1 63 resistance	43	resistance	47K,0603.TDK	3
46 resistance 22R,0603.TDK 1 47 resistance 100R,0603.TDK 2 48 resistance 15K,0603.TDK 6 49 resistance 4.7K,0603.TDK 9 50 resistance 10K,0603.TDK 21 51 resistance 100K,0603.TDK 6 52 resistance 47R,0603.TDK 1 53 resistance 1M,0603.TDK 2 54 resistance 1M,0603.TDK 2 55 resistance 2.2K,0603.TDK 1 56 resistance 270K,0603.TDK 1 57 resistance 270K,0603.TDK 1 59 resistance 270K,0603.TDK 1 60 resistance 150K,0603.TDK 1 61 resistance 150K,0603.TDK 2 61 resistance 12K,0603.TDK 1 63 resistance 1.2K,0603.TDK 1 64 resistance	44	resistance	10R,0603.TDK	4
47 resistance 100R,0603.TDK 2 48 resistance 15K,0603.TDK 6 49 resistance 4.7K,0603.TDK 9 50 resistance 10K,0603.TDK 21 51 resistance 100K,0603.TDK 6 52 resistance 470R,0603.TDK 2 53 resistance 1M,0603.TDK 1 54 resistance 1M,0603.TDK 2 55 resistance 2.2K,0603.TDK 1 56 resistance 270R,0603.TDK 1 57 resistance 270R,0603.TDK 1 59 resistance 270K,0603.TDK 1 60 resistance 150K,0603.TDK 2 61 resistance 150K,0603.TDK 1 62 resistance 12K,0603.TDK 1 63 resistance 12K,0603.TDK 1 65 resistance 220K,0603.TDK 1 66 resistance	45	resistance	1K,0603.TDK	5
48 resistance 15K,0603.TDK 6 49 resistance 4.7K,0603.TDK 9 50 resistance 10K,0603.TDK 21 51 resistance 100K,0603.TDK 6 52 resistance 47R,0603.TDK 2 53 resistance 1M,0603.TDK 1 54 resistance 1M,0603.TDK 2 55 resistance 2.2K,0603.TDK 8 56 resistance 270K,0603.TDK 1 57 resistance 270K,0603.TDK 1 59 resistance 270K,0603.TDK 1 60 resistance 3.9K,0603.TDK 2 61 resistance 150K,0603.TDK 3 62 resistance 1.2K,0603.TDK 1 63 resistance 220K,0603.TDK 1 64 resistance 1.2K,0603.TDK 1 65 resistance 33K,0603.TDK 1 66 resistance	46	resistance	22R,0603.TDK	1
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51 resistance 100K,0603.TDK 6 52 resistance 47R,0603.TDK 2 53 resistance 470R,0603.TDK 1 54 resistance 1M,0603.TDK 2 55 resistance 2.2K,0603.TDK 8 56 resistance 470K,0603.TDK 1 57 resistance 270R,0603.TDK 7 58 resistance 270K,0603.TDK 1 59 resistance 3.9K,0603.TDK 1 60 resistance 150K,0603.TDK 2 61 resistance 18K,0603.TDK 1 63 resistance 560K,0603.TDK 1 64 resistance 1.2K,0603.TDK 1 65 resistance 220K,0603.TDK 1 66 resistance 33K,0603.TDK 1 67 resistance 33K,0603.TDK 1 68 resistance 330R,0603.TDK 1 69 resistance	49	resistance	4.7K,0603.TDK	9
52 resistance 47R,0603.TDK 2 53 resistance 470R,0603.TDK 1 54 resistance 1M,0603.TDK 2 55 resistance 2.2K,0603.TDK 8 56 resistance 470K,0603.TDK 1 57 resistance 22K,0603.TDK 7 58 resistance 270K,0603.TDK 1 59 resistance 270K,0603.TDK 1 60 resistance 3.9K,0603.TDK 2 61 resistance 150K,0603.TDK 3 62 resistance 18K,0603.TDK 1 63 resistance 560K,0603.TDK 1 64 resistance 12K,0603.TDK 1 65 resistance 33K,0603.TDK 1 67 resistance 330R,0603.TDK 1 68 resistance 330R,0603.TDK 1 69 resistance 1.5K,0603.TDK 1 70 IC H	50	resistance	10K,0603.TDK	21
53 resistance 470R,0603.TDK 1 54 resistance 1M,0603.TDK 2 55 resistance 2.2K,0603.TDK 8 56 resistance 470K,0603.TDK 1 57 resistance 22K,0603.TDK 7 58 resistance 270R,0603.TDK 1 59 resistance 270K,0603.TDK 1 60 resistance 3.9K,0603.TDK 2 61 resistance 150K,0603.TDK 3 62 resistance 18K,0603.TDK 1 63 resistance 560K,0603.TDK 1 64 resistance 1.2K,0603.TDK 1 65 resistance 12K,0603.TDK 1 66 resistance 33K,0603.TDK 1 68 resistance 330R,0603.TDK 1 69 resistance 1.5K,0603.TDK 1 70 IC HT7130,SOT-25 1 <td>51</td> <td>resistance</td> <td>100K,0603.TDK</td> <td>6</td>	51	resistance	100K,0603.TDK	6
54 resistance 1M,0603.TDK 2 55 resistance 2.2K,0603.TDK 8 56 resistance 470K,0603.TDK 1 57 resistance 22K,0603.TDK 7 58 resistance 270K,0603.TDK 1 59 resistance 270K,0603.TDK 1 60 resistance 3.9K,0603.TDK 2 61 resistance 150K,0603.TDK 3 62 resistance 18K,0603.TDK 1 63 resistance 560K,0603.TDK 1 64 resistance 1.2K,0603.TDK 1 65 resistance 12K,0603.TDK 1 66 resistance 33K,0603.TDK 1 68 resistance 330R,0603.TDK 1 69 resistance 1.5K,0603.TDK 1 70 IC HT7130,SOT-25 1	52	resistance	47R,0603.TDK	2
55 resistance 2.2K,0603.TDK 8 56 resistance 470K,0603.TDK 1 57 resistance 22K,0603.TDK 7 58 resistance 270K,0603.TDK 1 59 resistance 270K,0603.TDK 1 60 resistance 3.9K,0603.TDK 2 61 resistance 150K,0603.TDK 3 62 resistance 18K,0603.TDK 1 63 resistance 560K,0603.TDK 1 64 resistance 1.2K,0603.TDK 1 65 resistance 12K,0603.TDK 1 66 resistance 33K,0603.TDK 1 68 resistance 330R,0603.TDK 1 69 resistance 1.5K,0603.TDK 1 70 IC HT7130,SOT-25 1	53	resistance	470R,0603.TDK	1
56 resistance 470K,0603.TDK 1 57 resistance 22K,0603.TDK 7 58 resistance 270R,0603.TDK 1 59 resistance 270K,0603.TDK 1 60 resistance 3.9K,0603.TDK 2 61 resistance 150K,0603.TDK 3 62 resistance 560K,0603.TDK 1 63 resistance 560K,0603.TDK 1 65 resistance 220K,0603.TDK 1 66 resistance 12K,0603.TDK 1 67 resistance 33K,0603.TDK 1 68 resistance 330R,0603.TDK 1 69 resistance 1.5K,0603.TDK 1 70 IC HT7130,SOT-25 1	54	resistance	1M,0603.TDK	2
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58 resistance 270R,0603.TDK 1 59 resistance 270K,0603.TDK 1 60 resistance 3.9K,0603.TDK 2 61 resistance 150K,0603.TDK 3 62 resistance 18K,0603.TDK 1 63 resistance 560K,0603.TDK 2 64 resistance 1.2K,0603.TDK 1 65 resistance 12K,0603.TDK 1 67 resistance 33K,0603.TDK 1 68 resistance 330R,0603.TDK 1 69 resistance 1.5K,0603.TDK 1 70 IC HT7130,SOT-25 1	56	resistance	470K,0603.TDK	1
59 resistance 270K,0603.TDK 1 60 resistance 3.9K,0603.TDK 2 61 resistance 150K,0603.TDK 3 62 resistance 18K,0603.TDK 1 63 resistance 560K,0603.TDK 2 64 resistance 1.2K,0603.TDK 1 65 resistance 220K,0603.TDK 1 66 resistance 33K,0603.TDK 1 67 resistance 330R,0603.TDK 1 68 resistance 1.5K,0603.TDK 1 69 resistance 1.5K,0603.TDK 1 70 IC HT7130,SOT-25 1	57	resistance	22K,0603.TDK	7
60 resistance 3.9K,0603.TDK 2 61 resistance 150K,0603.TDK 3 62 resistance 18K,0603.TDK 1 63 resistance 560K,0603.TDK 2 64 resistance 1.2K,0603.TDK 1 65 resistance 220K,0603.TDK 1 66 resistance 33K,0603.TDK 1 67 resistance 330R,0603.TDK 1 68 resistance 1.5K,0603.TDK 1 69 resistance 1.5K,0603.TDK 1 70 IC HT7130,SOT-25 1	58	resistance	270R,0603.TDK	1
61 resistance 150K,0603.TDK 3 62 resistance 18K,0603.TDK 1 63 resistance 560K,0603.TDK 2 64 resistance 1.2K,0603.TDK 1 65 resistance 220K,0603.TDK 1 66 resistance 12K,0603.TDK 1 67 resistance 33K,0603.TDK 1 68 resistance 330R,0603.TDK 1 69 resistance 1.5K,0603.TDK 1 70 IC HT7130,SOT-25 1	59	resistance	270K,0603.TDK	1
62 resistance 18K,0603.TDK 1 63 resistance 560K,0603.TDK 2 64 resistance 1.2K,0603.TDK 1 65 resistance 220K,0603.TDK 1 66 resistance 12K,0603.TDK 1 67 resistance 33K,0603.TDK 1 68 resistance 330R,0603.TDK 1 69 resistance 1.5K,0603.TDK 1 70 IC HT7130,SOT-25 1	60	resistance	3.9K,0603.TDK	2
62 resistance 18K,0603.TDK 1 63 resistance 560K,0603.TDK 2 64 resistance 1.2K,0603.TDK 1 65 resistance 220K,0603.TDK 1 66 resistance 12K,0603.TDK 1 67 resistance 33K,0603.TDK 1 68 resistance 330R,0603.TDK 1 69 resistance 1.5K,0603.TDK 1 70 IC HT7130,SOT-25 1	61	resistance	150K,0603.TDK	3
64 resistance 1.2K,0603.TDK 1 65 resistance 220K,0603.TDK 1 66 resistance 12K,0603.TDK 1 67 resistance 33K,0603.TDK 1 68 resistance 330R,0603.TDK 1 69 resistance 1.5K,0603.TDK 1 70 IC HT7130,SOT-25 1	62	resistance	18K,0603.TDK	1
65 resistance 220K,0603.TDK 1 66 resistance 12K,0603.TDK 1 67 resistance 33K,0603.TDK 1 68 resistance 330R,0603.TDK 1 69 resistance 1.5K,0603.TDK 1 70 IC HT7130,SOT-25 1	63	resistance	560K,0603.TDK	2
66 resistance 12K,0603.TDK 1 67 resistance 33K,0603.TDK 1 68 resistance 330R,0603.TDK 1 69 resistance 1.5K,0603.TDK 1 70 IC HT7130,SOT-25 1	64	resistance	1.2K,0603.TDK	1
67 resistance 33K,0603.TDK 1 68 resistance 330R,0603.TDK 1 69 resistance 1.5K,0603.TDK 1 70 IC HT7130,SOT-25 1	65	resistance	220K,0603.TDK	1
68 resistance 330R,0603.TDK 1 69 resistance 1.5K,0603.TDK 1 70 IC HT7130,SOT-25 1	66	resistance	12K,0603.TDK	1
69 resistance 1.5K,0603.TDK 1 70 IC HT7130,SOT-25 1	67	resistance	33K,0603.TDK	1
70 IC HT7130,SOT-25 1	68	resistance	330R,0603.TDK	1
	69	resistance	1.5K,0603.TDK	1
71 IC HT7150,SOT-25 3	70	IC	HT7130,SOT-25	1
	71	IC	HT7150,SOT-25	3
72 IC MB15E03L 1	72	IC	MB15E03L	1
73 IC LMV321 3	73	IC	LMV321	3
74 IC SA575.SO-20 1	74	IC	SA575,SO-20	1

75	IC	JR4580	1
76	IC	24C01,SOP-8	1
77	IC	HT46R23A-1	1
78	IC	HT1621B	1
79	IC	XC6367B	1
80	adjustable capacitance	VC2-6P	1
81	VCO	VCO805	1
82	adjustable resistance	VR10K	2
83	adjustable resistance	VR1K	1
84	adjustable resistance	VR50K	1
85	firm tube	3V,SOT-23	1
	PCB	U-800-P01B6.8*7.1	1
	PCB	U-800-P02B6.8*7.1	1
		U-800-P01B6.8*7.1	1
		U-800-P02B6.8*7.1	1
86	resistor	4M,49-U	2
87	resistor	32.768	1
	shield box	886	1
	connector	2*14P	1
	display	M10230	1
	case		1
	connector	4P	1
	antenna socket	BMC	1
	240 battery	105- , + , +- SET	1
	780 transmiter box	Top and bottom hul	l 1
	antenna point		1
	platic slip		1
	PVC sticker PVC	PVC	1
	PVC sticker PVC	ANT	1
	PVC sticker PVC	GAIN	1
	PVC sticker PVC	SET	1
	sticker		1
	sticker		1
	screw	2.6*10PA	4
	screw	2.3*4KB	2
	BCIC W	2.5 1110	

DO 1.1	
PO poly bag	1