

INTERTEK TESTING SERVICES

**EXHIBIT 6
TECHNICAL SPECIFICATIONS**

INTERTEK TESTING SERVICES

6.0 Technical Specifications

The block diagram and circuit diagram are attached in Exhibits 6.1 and 6.2 respectively.

4. Description of ch scanning

1) CHANNEL FREQUENCY PLAN

REFER TO TABLE 1.

2) CHANNEL FREQUENCY MAP & CHANNEL ADVANCE SEQUENCE

REFER TO TABLE 2.

3) CONTROL CHANNEL

(1) CONTROL CHANNEL IS THE CHANNEL WHICH BOTH REMOTE AND BASE UNIT WILL USE FOR CONNECTION CONTROL. IN STANDBY MODE THE BOTH UNITS WILL STAY ON THIS CHANNEL. AS LONG AS THE CONTROL CHANNEL IS EMPTY (NOT OCCUPIED), IT IS USED FOR THE VOICE CHANNEL ALSO.

(2) THE CONTROL CHANNEL IS SELECTED RANDOMLY BY BASE UNIT AT SET UP SEQUENCE WHEN REMOTE UNIT IS CRADLED ON BASE UNIT. THE CONTROL CHANNEL IS SELECTED FROM CH1 ~ CH36, AND THE CH40 IS USED FOR THE

(3) BASE UNIT WILL AUTOMATICALLY SCAN THE EMPTY CHANNELS ON STANDBY MODE AS DESCRIBED IN ITEM 4. THE NEW CHANNEL INFORMATION SELECTED AS A NEW CONTROL CHANNEL WILL BE SENT TO REMOTE UNIT DURING THE OUTGOING CALL SEQUENCE OR THE INCOMING CALL SEQUENCE.

4) AUTO SCAN AND CHANNEL SELECT

(1) BASE UNIT WILL NOT START SCAN OTHER CHANNELS AS LONG AS THE CURRENT CONTROL CHANNEL IS EMPTY.

(2) IF THE RF CARRIER IS DETECTED ON THE CONTROL CHANNEL, THE OUTGOING CALL SIGNAL FROM REMOTE UNIT IS MONITORED FOR 300msec.

(3) IF THE CONTROL CHANNEL IS OCCUPIED, BASE UNIT WILL START TO SCAN OTHER CHANNELS. THE CHANNEL SCANNING SEQUENCE IS SHOWN IN TABLE 2.

(4) THE CHANNEL WHICH IS FOUND OUT AS A EMPTY CHANNEL WILL BE MEMORIZED AS A NEW VOICE CHANNEL IN BASE UNIT.

(5) THE NEW VOICE CHANNEL WILL BE SCANNED TO CHECK THE EMPTINESS IN EVERY 500msec.

TABLE 1 CHANNEL FREQUENCY PLAN

[MHz]

	BASE				REMOTE			
CH	TX Freq.	TX VCO	RX Freq.	RX VCO	TX Freq.	TX VCO	RX Freq.	RX VCO
1	902.2500	902.2500	925.3125	914.6250	925.3125	925.3125	902.2500	912.9375
2	902.3125	902.3125	925.3750	914.6875	925.3750	925.3750	902.3125	913.0000
3	902.3750	902.3750	925.4375	914.7500	925.4375	925.4375	902.3750	913.0625
4	902.4375	902.4375	925.5000	914.8125	925.5000	925.5000	902.4375	913.1250
5	902.5000	902.5000	925.5625	914.8750	925.5625	925.5625	902.5000	913.1875
6	902.5625	902.5625	925.6250	914.9375	925.6250	925.6250	902.5625	913.2500
7	902.6250	902.6250	925.6875	915.0000	925.6875	925.6875	902.6250	913.3125
8	902.6875	902.6875	925.7500	915.0625	925.7500	925.7500	902.6875	913.3750
9	902.7500	902.7500	925.8125	915.1250	925.8125	925.8125	902.7500	913.4375
10	902.8125	902.8125	925.8750	915.1875	925.8750	925.8750	902.8125	913.5000
11	902.8750	902.8750	925.9375	915.2500	925.9375	925.9375	902.8750	913.5625
12	902.9375	902.9375	926.0000	915.3125	926.0000	926.0000	902.9375	913.6250
13	903.0000	903.0000	926.0625	915.3750	926.0625	926.0625	903.0000	913.6875
14	903.0625	903.0625	926.1250	915.4375	926.1250	926.1250	903.0625	913.7500
15	903.1250	903.1250	926.1875	915.5000	926.1875	926.1875	903.1250	913.8125
16	903.1875	903.1875	926.2500	915.5625	926.2500	926.2500	903.1875	913.8750
17	903.2500	903.2500	926.3125	915.6250	926.3125	926.3125	903.2500	913.9375
18	903.3125	903.3125	926.3750	915.6875	926.3750	926.3750	903.3125	914.0000
19	903.3750	903.3750	926.4375	915.7500	926.4375	926.4375	903.3750	914.0625
20	903.4375	903.4375	926.5000	915.8125	926.5000	926.5000	903.4375	914.1250
21	903.5000	903.5000	926.5625	915.8750	926.5625	926.5625	903.5000	914.1875
22	903.5625	903.5625	926.6250	915.9375	926.6250	926.6250	903.5625	914.2500
23	903.6250	903.6250	926.6875	916.0000	926.6875	926.6875	903.6250	914.3125
24	903.6875	903.6875	926.7500	916.0625	926.7500	926.7500	903.6875	914.3750
25	903.7500	903.7500	926.8125	916.1250	926.8125	926.8125	903.7500	914.4375
26	903.8125	903.8125	926.8750	916.1875	926.8750	926.8750	903.8125	914.5000
27	903.8750	903.8750	926.9375	916.2500	926.9375	926.9375	903.8750	914.5625
28	903.9375	903.9375	927.0000	916.3125	927.0000	927.0000	903.9375	914.6250
29	904.0000	904.0000	927.0625	916.3750	927.0625	927.0625	904.0000	914.6875
30	904.0625	904.0625	927.1250	916.4375	927.1250	927.1250	904.0625	914.7500
31	904.1250	904.1250	927.1875	916.5000	927.1875	927.1875	904.1250	914.8125
32	904.1875	904.1875	927.2500	916.5625	927.2500	927.2500	904.1875	914.8750
33	904.2500	904.2500	927.3125	916.6250	927.3125	927.3125	904.2500	914.9375
34	904.3125	904.3125	927.3750	916.6875	927.3750	927.3750	904.3125	915.0000
35	904.3750	904.3750	927.4375	916.7500	927.4375	927.4375	904.3750	915.0625
36	904.4375	904.4375	927.5000	916.8125	927.5000	927.5000	904.4375	915.1250
37	904.5000	904.5000	927.5625	916.8750	927.5625	927.5625	904.5000	915.1875
38	904.5625	904.5625	927.6250	916.9375	927.6250	927.6250	904.5625	915.2500
39	904.6250	904.6250	927.6875	917.0000	927.6875	927.6875	904.6250	915.3125
40	904.6875	904.6875	927.7500	917.0625	927.7500	927.7500	904.6875	915.3750
CPU CLK	8.0000				4.125			
2ND LO.	8.0000				12.375			
1ST IF	10.6875				10.6875			
2ND IF	2.6875				1.6875			

TABLE 2 CHANNEL FREQUENCY MAP

1	5	9	13	17	21	25	29	33	37
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2	6	10	14	18	22	26	30	34	38
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3	7	11	15	19	23	27	31	35	39
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4	8	12	16	20	24	28	32	36	40
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Channel advance shall be done as follows.

1 → 9 → 17 → 25 → 33 → 5 → 13 → 21 → 29 → 37 → 2 → 10 → 18 → 26 → 34 → 6 → 14 → .. → 32 → 40 → 1 → 9