

900M RF Module ALIGNMENT

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STEP	ACTION	ADJUST	READINGS
1	BASE TX a) power on and set the test mode(21ch) b) check the TX power. c) if TX power spec in , it not be solder J1 d) if TX power is low , it must be solder J1 e) check the TX freq. f) check the deviation on modulation, whether $12K \pm 1.0$ KHZ or not set 75 mV at pin number 1 of CON2 (AF _ IN) g) if Mod. Dev is spec in, it not be solder J2 h) if Mod. Dev is low, it must be solder J2 i) check the data modulation.	1.4 V solder VR1 solder	T2 (TX VCO) TX pwr : -1 ± 2 dBm J1 TX fre : 903.80 MZH ± 1 KHZ Dev : 12 ± 1.0 KHZ J2 Dev : 15 ± 1 KHZ
2	BASE RX a) power on and set the test mode(21ch). b) check the RX sens(12dB SINAD). condition : 1) RF input level -47dBm / Dev 12KHZ c) check the Audio output level.	1.4 V	T1 (RX VCO) RX sens : ≤ -108 dBm Audio out : 220 ± 20 mV
3	HANDSET TX a) power on and set the test mode(21ch) b) check the TX power. c) if TX power spec in , it not be solder J1 d) if TX power is low , it must be solder J1 e) check the TX freq. f) check the deviation on modulation, whether 12.0 ± 1.0 KHZ or not set 75 mV at pin number 1 of CON2 (AF _ IN) g) if Mod. Dev is spec in, it not be solder J2 h) if Mod. Dev is low, it must be solder J2 i) check the data modulation.	1.4 V solder VR1 solder	T2 (TX VCO) TX pwr : 0 ± 2 dBm J1 TX fre : 926.30 MZH ± 1 KHZ Dev : 12 ± 1.0 KHZ J2 Dev : 15 ± 1 KHZ
4	HANDSET RX a) power on and set the test mode(21ch). b) check the RX sens(12dB SINAD). condition : 1) RF input level -47dBm / Dev 12KHZ c) check the Audio output level.	1.4 V	T1 (RX VCO) RX sens : ≤ -108 dBm Audio out : 220 ± 20 mV