

## V11E Tune Up Procedure

1. Hardware connection
  - a. Connecting RF tester 8960 and power supplier 3631 to GPIB interface card.
  - b. Applying RS232 cable to connect the PCB board to PC's COM1.
  - c. Get RF cable to RF tester 8960 and then import the cable loss.
2. Double click figure of UNITS3 and then start calibration program.
3. Install main board into PCB board and click the start button on the calibration program to perform the task.
4. The calibration program will start with frequency band of GSM, then DCS and finally to PCS frequency band. After gaining the required power level, operators are able to adjust the DAC level and then install it to the handset.

Test ID	Test Item	Test Result	Pass / Fail	Lo Spec	Hi Spec	Test Time	
5005313	PHASE_AFC_GSM_SKY_FREQ_DIFF	2193.47	PASS	1500.00	3000.00	0.00	
5005321	PHASE_AFC_GSM_SKY_CALC_FREQ_DAC_ZERO	505	PASS	350	650	0.00	
5005322	PHASE_AFC_GSM_SKY_CALC_FREQ_DAC_LSB	27	PASS	15	40	0.00	
5005323	PHASE_AFC_GSM_SKY_CALC_FREQ_DAC_MULT	37	PASS	20	60	0.00	
5005331	PHASE_AFC_GSM_SKY_FREQ_ERR_CHECK	-44.00	PASS	-2000.00	2000.00	0.40	
50053	PHASE_AFC_GSM_SKY_	0	PASS	0	0	1.54	
50061106	PHASE_POWER_GSM_SKY_PWR_P56	30.78	PASS	28.00	34.00	0.42	
50061107	PHASE_POWER_GSM_SKY_PWR_P57	28.95	PASS	26.00	32.00	0.42	
50061108	PHASE_POWER_GSM_SKY_PWR_P58	26.98	PASS	24.00	30.00	0.43	
50061111	PHASE_POWER_GSM_SKY_PWR_P511	21.08	PASS	16.00	26.00	0.42	
50061112	PHASE_POWER_GSM_SKY_PWR_P512	19.13	PASS	14.00	24.00	0.43	
50061113	PHASE_POWER_GSM_SKY_PWR_P513	17.22	PASS	12.00	22.00	0.42	
50061114	PHASE_POWER_GSM_SKY_PWR_P514	15.32	PASS	10.00	20.00	0.42	
50061117	PHASE_POWER_GSM_SKY_PWR_P517	9.73	PASS	1.00	17.00	0.43	
50061118	PHASE_POWER_GSM_SKY_PWR_P518	8.10	PASS	-1.00	15.00	0.43	
50061119	PHASE_POWER_GSM_SKY_PWR_P519	6.39	PASS	-3.00	13.00	0.42	
50061200	PHASE_POWER_GSM_SKY_DAC_CALC	0	PASS	0	0	0.00	
50061	PHASE_POWER_GSM_SKY_	0	PASS	0	0	6.37	
50057100	PHASE_AGC_GSM_SKY_LEV0_RXLEV	26	PASS	20	40	1.02	
50057150	PHASE_AGC_GSM_SKY_LEV0_GSYS_DELTA	2	PASS	-12	8	0.00	
50057160	PHASE_AGC_GSM_SKY_LEV0_GSYS_INDEX	54	PASS	50	70	0.00	
50057101	PHASE_AGC_GSM_SKY_LEV1_RXLEV	61	PASS	50	70	1.28	
50057151	PHASE_AGC_GSM_SKY_LEV1_GSYS_DELTA	1	PASS	-12	8	0.00	
50057161	PHASE_AGC_GSM_SKY_LEV1_GSYS_INDEX	37	PASS	30	50	0.00	
50057200	PHASE_AGC_GSM_SKY_BUILD_AGC_TABLE	0	PASS	0	0	0.62	
50057	PHASE_AGC_GSM_SKY_	0	PASS	0	0	3.19	
5007050	PHASE_IP2_G_SKY_DEF_V11E_TARGET_I	52	PASS	0	127	0.00	
5007051	PHASE_IP2_G_SKY_DEF_V11E_TARGET_Q	76	PASS	0	127	0.00	
50070	PHASE_IP2_G_SKY_DEF_V11E	0	PASS	0	0	0.04	
50055	PHASE_CHECK_PWR_P55_SKY	27.22	PASS	26.00	28.00	1.54	