

Item	Material code	Part Number	Description	Manufacture	Quantity	Location
1	SZXPIC0184	MT6250M	GSM/GPRS/EDGE-RX Baseband Process	MTK	1	U101
2	SZXPIC0152	SKY77569	RF PA	skyworks	1	U601
3	SZFLFI0012	BD2012-20L0820-V2	2-in-1 Balun Filter	ACX	1	U602
	SZFLFI0016	RFBLN2109BM559FNH		WALSIN		
	SZFLFI0013	RFBLN2012090BM5T25		WALSIN		
	SZFLFI0014	LFB21914MDZ3D384		MURATA		
4	SZFLJS0052	TZ1689A	Crystal_26M-10ppm-7.3pf-3225	TST	1	X601
	SZFLJS0051	7M26000028	Crystal_26M-10ppm-7.5pF-3225	TXC		
	SZFLJS0144	CXC3X260000GHVRT30	Crystal_26M-10ppm-7.3pf-3225	PARTRON		
5	SZFLTR0146	DTC143ZE	NPN Transistor (SOT-523)	changdian	1	Q901
	SZFLTR0147	DTC143ZE (DIODES)		DIODES		
6	SZFLTR0023	CJA720	charge Transistor (DFN2*2*0.75)	changdian	1	U202
	SZFLTR0024	MC2539		MC		
7	SZFLLE0058	BL-HB336G-TRB	BLUE LED 0603	BRT	6	D901, D902, D903, D904, D905, D906
	SZFLLE0075	LTST-C193SBKT-5A		LITEON		
	SZFLLE0031	A-SP194B1C-C01-4T		JESTEK		
	SZFLLE0056	AOT-0603-B110-HO		AOT		
8	SZFLBD0006	BLM15AC601SN1D	Bead 0402 600 Ω 100MHZ 300mA RoHS	MURATA	5	B312, B313, B701, B702, B703
	SZFLBD0136	GZ1005U601CTF		Sunlord		
	SZFLBD0137	SBY100505T-601Y-N		chilisin		
9	SZRLRE0054	RC0402JR-070RL	RES 0402 0 Ω $\pm$ 5% 0.063W	YAGEO	15	R201, R268, R203, R213, R403, R404, C618, L606, R639, R640, R801, R704, B704, L660, C661
	SZRLRE0323	WR04X000PTL		WALSIN		
10	SZRLRE0122	RC0402JR-07100RL	RES 0402 100 Ω $\pm$ 5% 0.063W	YAGEO	2	R902, R903
	SZRLRE0326	WR04X101JTL		WALSIN		
11	SZRLRE0070	RC0402JR-07150RL	RES 0402 150 Ω $\pm$ 5% 0.063W	YAGEO	2	R317, R318
	SZRLRE0517	WR04X151JTL		WALSIN		
12	SZRLRE0205	RC0402JR-07220RL	RES 0402 220 Ω $\pm$ 5% 0.063W	YAGEO	1	R901
13	SZRLRE0084	RC0402JR-071KL	RES 0402 1k Ω $\pm$ 5% 0.063W	YAGEO	10	R232, R233, R214, R303, R353, R307, R312, R657, R656, R629
	SZRLRE0309	RC0402FR-071KL		YAGEO		
	SZRLRE0328	WR04X102JTL		WALSIN		
14	SZRLRE0074	RC0402JR-071K5L	RES 0402 1.5k Ω $\pm$ 5% 0.063W	YAGEO	3	R306, R315, R321
	SZRLRE0329	WR04X152JTL		WALSIN		
15	SZRLRE0508	RC0402JR-077K5L	RES 0402 7.5k Ω $\pm$ 5% 0.063W	YAGEO	1	R210
	SZRLRE0518	WR04X752JTL		WALSIN		
16	SZRLRE0080	RC0402JR-0710KL	RES 0402 10k Ω $\pm$ 5% 0.063W	YAGEO	3	R502, R503, R636
	SZRLRE0336	WR04X103JTL		WALSIN		
17	SZRLRE0206	RC0402JR-0715KL	RES 0402 15k Ω $\pm$ 5% 0.063W	YAGEO	1	R611
18	SZRLRE0289	RC0402FR-0739KL	RES 0402 39k Ω $\pm$ 5% 0.063W	YAGEO	2	R208, R635
	SZRLRE0520	WR04X3902FTL		WALSIN		
19	SZRLRE0098	RC0402JR-0747K	RES 0402 47k Ω $\pm$ 5% 0.063W	YAGEO	6	R120, R123, R311, R701, R702, R703
	SZRLRE0340	WR04X473JTL		WALSIN		
20	SZRLRE0509	RC0402FR-07330KL	RES 0402 330k Ω $\pm$ 5% 0.063W	YAGEO	1	R202
	SZRLRE0521	WR04X3303FTL		WALSIN		
21	SZRLRE0491	RC0402JR-07470kL	RES 0402 470k Ω $\pm$ 5% 0.063W	YAGEO	1	R313
	SZRLRE0492	WR04X474JTL		WALSIN		
22	SZRLRE0194	RL0805FR-7W0R2L	RES 0805 0.2 Ω , $\pm$ 1% 1/4W	YAGEO	1	R211
	SZRLRE0516	WW08PR200FTL		WALSIN		
23	SZRLC00474	CC0402CRNP09BNR50	Cap 0402 0.5PF $\pm$ 0.1pF COG DC50V	YAGEO	1	C803
	SZRLC00473	GRM1555C1HR50CA01D		MURATA		
	SZRLC00120	C0402C0G0R5B500NT		EYANG		
24	SZRLC00176	CC0402CRNP09BN1R8	Cap 0402 1.8PF $\pm$ 0.5pF COG DC50V	YAGEO	3	L610, L615, C801
	SZRLC00088	C0402C0G1R8B500NT		EYANG		
25	SZRLC00199	CC0402CRNP09BN2R2	Cap 0402 2.2PF $\pm$ 0.25pF COG DC50V	YAGEO	3	L608, L613, C802
	SZRLC00089	C0402C0G2R2B500NT		EYANG		
26	SZRLC00028	CC0402JRN09BN220	Cap 0402 22PF 5% COG DC50V	YAGEO	6	L607, C620, C642, C634, C614, C616
	SZRLC00091	C0402C0G220L500NT		EYANG		
	SZRLC00027	GRM1555C1H220JZ01D		MURATA		

27	SZRLC00092	C0402C0G330L500NT	Cap 0402 33PF 5% COG DC50V	EYANG	8	C316, C321, C323, C318, C347, C348, C422, C438
	SZRLC00262	GRM1555C1H30JZ01-(D/J)		MURATA		
28	SZRLC00004	CC0402JRNPO9BN101	Cap 0402 100PF 5% COG DC50V	YAGEO	4	C307, C322, C349, C423
	SZRLC00093	C0402C0G101L500NT		EYANG		
29	SZRLC00024	CC0402JRNPO9BN221	Cap 0402 220PF 5% COG DC50V	YAGEO	2	C633, C209
	SZRLC00094	C0402X7R221M500NT		EYANG		
30	SZRLC00002	CC0402KRX5R6BB104	Cap 0402 100nF 10% COG DC10V	YAGEO	5	C304, C309, C311, C313, C622
	SZRLC00098	C0402X5R104M100NT		EYANG		
	SZRLC00233	CL05A104K05NNNC		SAMSUNG		
31	SZRLC00173	CL05A105KQ5NNNC	Cap 0402 1uF 10% COG DC6.3V	SAMSUNG	20	C109, C285, C201, C230, C228, C227, C226, C225, C231, C232, C233, C234, C235, C236, C237, C502, C501, C621, C701, C210
	SZRLC00099	C0402X5R105M6R3NT		EYANG		
	SZRLC00016	CC0402KRX5R5BB105		YAGEO		
	SZRLC00015	GRM155R60J105KE19J		MURATA		
32	SZRLC00063	CL10A105K08NNNC	Cap 0603 1uF 10% COG DC16V	SAMSUNG	1	C242
	SZRLC00100	CC0603X5R105M160NT		EYANG		
	SZRLC00379	CC0603KRX5R7BB105		YAGEO		
	SZRLC00378	GRM188R61C105K		MURATA		
33	SZRLC00162	CL10A225KQ8NNNC	Cap 0603 2.2uF 10% COG DC6.3V	SAMSUNG	3	C229, C245, C504
	SZRLC00101	CC0603X5R225M6R3NT		EYANG		
	SZRLC00020	CC0603KRX5R5BB225		YAGEO		
	SZRLC00019	GRM188R60J225KE01J		MURATA		
34	SZRLC00165	CL10A475KQ8NNNC	Cap 0603 4.7uF 10% COG DC6.3V	SAMSUNG	7	C204, C222, C310, C315, C317, C319, C435
	SZRLC00102	CC0603X5R475M6R3NT		EYANG		
	SZRLC00040	CC0603KRX5R5BB475		YAGEO		
	SZRLC00039	GRM188R60J475KE19J		MURATA		
35	SZRLC00150	CL21A226MQNNNE	Cap 0805 22uF 20% COG DC6.3V	SAMSUNG	1	C615
	SZRLC00387	C0805X5R226M6R3NT		EYANG		
	SZRLC00030	CC0805KRX5R5BB226		YAGEO		
	SZRLC00029	GRM21BR60J226ME39L		MURATA		
36	SZRLN0009	SDCL1005C1N0STDF	Inducter 0402 1nH ± 0.3 nH	Sunlord	2	C619, L802
	SZRLN0031	CLH1005T-1N0S-S		Chilisin		
37	SZRLN0028	LQG15HS2N7S02D	Inducter 0402 2.7nH ± 0.3 nH	MURATA	1	L801
	SZRLN0001	SDCL1005C2N7STDF		Sunlord		
	SZRLN0037	CLH1005T-2N7S-S		Chilisin		
38	SZRLN0143	SDCL1005C3N9STDF	Inducter 0402 3.9nH ± 0.3 nH	Sunlord	2	L614, R601
	SZRLN0041	CLH1005T-3N9S-S		Chilisin		
39	SZRLN0106	SDCL1005C18NJTDF	Inducter 0402 18nH $\pm 5\%$	Sunlord	1	L612
	SZRLN0051	CLH1005T-18NJ-S		Chilisin		
	SZRLN0105	LQG15HS18NJ02D		MURATA		
40	SZRLN0402	SDCL1005CR10JTDF	Inducter 0402 100nH $\pm 5\%$	Sunlord	2	B705, B721
	SZRLN0059	CLH1005T-R10J-S		Chilisin		
41	SZCTUC0136	U03-3B12F201	12PIN, MiniUSB	HRD	1	J704
	SZCTUC0027	LK-INO212A		LK		
	SZCTUC0246	GY-USB12P-101		GY		
42	SZCTSC0018	S01-0B06F18M	H 1.8 SIM CARD Connector	HRD	2	J701, J702
	SZCTSC0277	GY-SIM06P-102		GY		
	SZCTSC0024	LK-SIM436-0618R		LK		
43	SZCTTF0019	LK-TF01-0818R	H 1.8 T-flash card Connector	LK	1	J703
	SZCTTF0023	GY-TFA08P-101		GY		
	SZCTTF0021	T01-BB80F180		HRD		
44	SZCTBC0024	B03-BB03F570	H 5.7, PITCH3.0 Battery connector	HRD	1	J201
	SZCTBC0019	LK-BTR322-0357R1		LK		
45	SZCTSF0097	P5077_BB&RF_SHIELDING_V2-1	P5077_BB&RF_SHIELDING_V2-1	GUANFENG	1	
46	SZCTPB0211	P5077_MB_V2.1	P5077_MB_V2.1	FISE	1	

Tune up Procedure

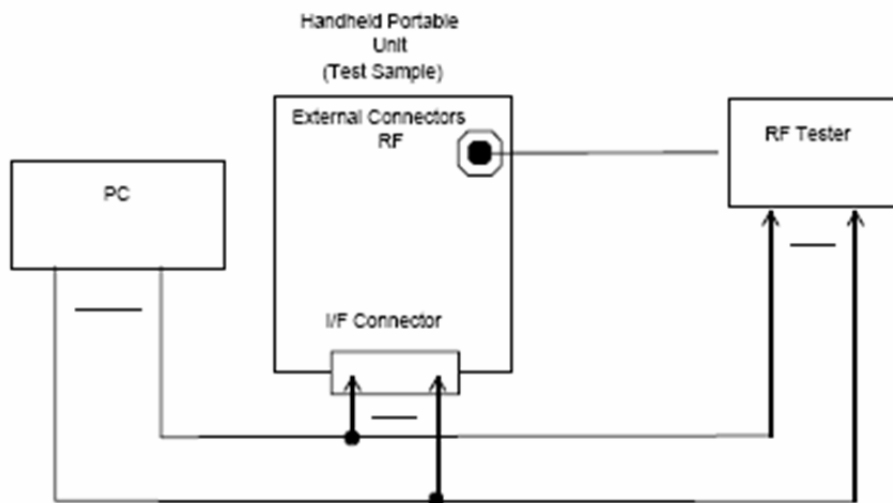


Figure 1

Adjustment of RF Output Power

- (1) The test equipment setup as shown in Figure 1.
- (2) Operation of PC adjusts equipment
 - 1) Set GSM900 Band.
 - 2) Set Channel 62.
 - 3) TX ON
 - 4) Adjust the power level to 32dbm(Power control level : PCL:5) by PA DAC value.
 - 5) Repeat 4) for 14 times, and adjust the power level to 31,29,27,25,23,21,19,17,15,13,11,9,7,5dbm (PCL:6,7,8,9,10,11,12,13,14,15,16,17,18,19).
 - 6) Make 15 Ramp-Up/Ramp-Down data from the adjustment value of (5) and (6).
 - 7) Data of 5) and 6) is write to a memory.
 - 8) Set DCS1800 Band.
 - 9) Set Channel 698.
 - 10) TX ON
 - 11) Adjust the power level to 29dbm(Power control level : PCL:0) by PA DAC value.
 - 12) Repeat 11) for 15 times, and adjust the power level to 28,26,24,22,20,18,16,14,12,10,8,6,4,2,0dbm (PCL:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15).
 - 13) Make 16 Ramp-Up/Ramp-Down data from the adjustment value of (11) and (12).
 - 14) Data of 11) and 12) is write to a memory.
 - 15) Set GSM850 Band.
 - 16) Set Channel 190.
 - 17) TX ON
 - 18) Adjust the power level to 32dbm(Power control level : PCL:5) by PA DAC value.
 - 19) Repeat 18) for 14 times, and adjust the power level to 31,29,27,25,23,21,19,17,15,13,11,9,7,5dbm (PCL:6,7,8,9,10,11,12,13,14,15,16,17,18,19).
 - 20) Make 15 Ramp-Up/Ramp-Down data from the adjustment value of (5) and (6).

- 21) Data of 19) and 20) is write to a memory.
- 22) Set PCS1900 Band.
- 23) Set Channel 661.
- 24) TX ON
- 25) Adjust the power level to 29dbm(Power control level : PCL:0) by PA DAC value.
- 26) Repeat 25) for 15 times, and adjust the power level to 28,26,24,22,20,18,16,14,12,10,8,6,4,2,0dbm (PCL:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15).
- 27) Make 16 Ramp-Up/Ramp-Down data from the adjustment value of (11) and (12).
- 28) Data of 26) and27) is write to a memory.