

**TRANSCEIVER ADJUSTMENTS/TUNE-UP PROCEDURE**

There are no user accessible adjustments or tuning in this portable cellular transceiver. All necessary adjustments and tuning are performed during manufacture of the product. Any adjustments or tuning after service or repair are done as part of that process as special equipment is required to perform such adjustments.

<b>Kit</b>	<b>PCB</b>	<b>Ver</b>
FCN5752A	8489082V01	D
<b>Symbol</b>	<b>P/N</b>	<b>Description</b>
R910 R990	0613952G67	CER CHIP RES 0.0 +/-0.050 OHM
R232	0613952M46	CER CHIP RES 2940 OHM 1% 0402
R965	0613952N30	RES,MF,20000,1,.0625,SM,0402,200,PB-FREE
R971	0613952N58	RES,MF,39200,1,.0625,SM,0402,200,PB-FREE
R962	0613952Q01	CER CHIP RES 1.0 OHM 5% 0402
R156	0613952Q08	RES,MF,2,5,.0625,SM,0402,200,PB-FREE
R201	0613952Q25	CER CHIP RES 10.0 OHM 5% 0402
R202	0613952Q27	CER CHIP RES 12.0 OHM 5% 0402
R920 R921	0613952Q33	CER CHIP RES 22.0 OHM 5% 0402
R831	0613952Q45	RES,MF,68,5,.0625,SM,0402,200,PB-FREE
R57	0613952Q66	RES,MF,510OHM,5%,.0625W,SM,0402,200PPM/CEL,PB-FREE
R56 R953 R206 R233 R161 R162	0613952Q73	RES,MF,1000,5,.0625,SM,0402,200,PB-FREE
R160	0613952Q75	RES,MF,1200,5,.0625,SM,0402,200,PB-FREE
R940 R942 R945 R938	0613952Q81	CER CHIP RES 2200 OHM 5% 0402
R814 R815 R816	0613952Q91	RES,MF,5600,5,.0625,SM,0402,200,PB-FREE
R805 R806	0613952R01	RES,MF,10000,5,.0625,SM,0402,200,PB-FREE
R155	0613952R11	CER CHIP RES 27K OHM 5% 0402
R907	0613952R16	RES,MF,43000,5,.0625,SM,0402,200,PB-FREE
R266 R850	0613952R17	CER CHIP RES 47K OHM 5% 0402
R960 R203 R961 R963 R964	0613952R25	CER CHIP RES 100K OHM 5% 0402
R262 R265	0613952R41	CER CHIP RES 470K OHM 5% 0402
R841 R250	0613952R43	RES,MF,560KOHM,5%,.0625W,SM,0402,200PPM/CEL,PB-FREE

L842 R702 R704 R705 R810 R811 R804 R808 R902 R830 R809 R903 R904 R832 R825 R833 R906 R827 R835 R922 R915 R909 R844 R924 R941 R943 R944 R204 R205 R968 R260 R270	0613952R66	RES,MF,0,5,.0625,SM,0402,,PB-FREE
L91	0662057M21	RES,MF,6.2OHM,5%,.032W,SM,0402,600PPM/CEL
R966	0686504S01	THMS,THRM,10KOHM,5%,SM
R913	0689774Y02	RES,MF,.1OHM,5%,.2W,SMD,0603,200PPM/CEL,LOW VALUE,1608, W18 COM
J1	0987582U01	CONN RECT,BTB,2 ROW,PLG,70CONT,.5MM,,,ST,PCMT
J2	0987925V02	RF CONNECTOR,MMCX,F,RIGHT ANGLE,PCMT
C71	2113944A02	CAP,CHIP,1.2PF,.25PF+/-,50V-DC,0402,C0G,-55DEG CMIN,125DEG CMA
C60 C72	2113944A08	CAP,CHIP,2PF,.25PF+/-,50V-DC,0402,C0G,-55DEG CMIN,125DEG CMAX
C215	2113944A10	CAP,CHIP,2.4PF,.25PF+/-,50V-DC,0402,C0G,-55DEG CMIN,125DEG CMA
C211 C204 C206 C230 C216 C232 C52 C233 C161 C53 C162 C61 C54 C55 C57 C59	2113944A11	CAP,CHIP,2.7PF,.25PF+/-,50V-DC,0402,C0G,-55DEG CMIN,125DEG CMA
C222	2113944A17	CAP,CHIP,4.7PF,.25PF+/-,50V-DC,0402,C0G,-55DEG CMIN,125DEG CMA
C221 C81	2113944A21	CAP,CHIP,6.8PF,.5PF+/-,50V-DC,0402,C0G,-55DEG CMIN,125DEG CMAX
C922 C923	2113944A24	CAP,CHIP,9.1PF,.5PF+/-,50V-DC,0402,C0G,-55DEG CMIN,125DEG CMAX

C58	2113944A25	CAP,CHIP,10PF,.5PF+/-,50V-DC,0402,C0G,-55DEG CMIN,125DEG CMAX
C933 C936 C63	2113944A27	CAP,CHIP,15PF,+5%,-5%,50V-DC,0402,C0G,-55DEG CMIN,125DEG CMAX,P
C82 C83	2113944A29	CAP,CHIP,22PF,+5%,-5%,50V-DC,0402,C0G,-55DEG CMIN,125DEG CMAX,P
C56	2113944A31	CAP,CHIP,33PF,+5%,-5%,50V-DC,0402,C0G,-55DEG CMIN,125DEG CMAX,P
C909 C931 C941 C935 C943 C951 C937 C952 C938 C946 C947 C948 C220 C957 C207 C152 C159 C73 C85 C86 C87 C95 C830 C831 C842	2113944A32	CAP,CHIP,39PF,+5%,-5%,50V-DC,0402,C0G,-55DEG CMIN,125DEG CMAX,P
C100 C160 C275	2113944A40	CAP,CHIP,100PF,+5%,-5%,50V-DC,0402,C0G,-55DEG CMIN,125DEG CMAX
C255 C804	2113945A09	CAP,CHIP,1000PF,+10%,-10%,50V-DC,0402,X7R,-55DEG CMIN,125DEG CM
C915	2113945A10	CAP,CHIP,1500PF,+10%,-10%,50V-DC,0402,X7R,-55DEG CMIN,125DEG CM
C850 C919 C963 C965 C251 C702 C703 C817 C905	2113945B02	CAP,CHIP,.01UF,+10%,-10%,25V-DC,0402,X7R,-55DEG CMIN,125DEG CMA
C210 C212	2113946B02	CAP,CHIP,.047UF,+10%,-10%,10V-DC,0402,X5R,-55DEG CMIN,85DEG CMA
C829 C930 C916 C917 C918 C926 C942 C945 C214 C958 C151 C153 C154 C156 R817 C700 C701 C811 C812 C807 C815 C808 C902 C816 C824 C840 C906 C921	2113946B04	CAP,CHIP,.1UF,+10%,-10%,10V-DC,0402,X5R,-55DEG CMIN,85DEG CMAX

C828		
C925 C901 C903 C911 C920	2113946D02	CAP,CHIP,1UF,+10%,-10%,6.3V-DC,0603,X5R,-55DEG CMIN,85DEG CMAX
C908 C927 C904 C912 C907	2113946D05	CAP,CHIP,2.2UF,+10%,-10%,6.3V-DC,0603,X5R,-55DEG CMIN,85DEG CMA
C155 C810 C910	2113946D07	CAP,CHIP,4.7UF,+10%,-10%,6.3V-DC,0603,X5R,-55DEG CMIN,85DEG CMA
C913	2113946F08	CAP,CHIP,22UF,+20%,-20%,6.3V-DC,0805,X5R,-55DEG CMIN,85DEG CMAX
C924 C960 C961 C962	2113956B33	CAP,FXD,2.2UF,,+10%,-10%,16V-DC,0603,X5R,-55DEG CMIN,85DEG CMAX
C201 C202 C203 C205 C213 C209 C270 C813	2187893N01	CAP,CER,1UF,20PF+/-,+20%,-20%,6.3V-DC,0402,+/-15%,-55DEG CMIN,85
C950 C955 C956 C51 C914	2188155V01	CAP,CERAMIC CHIP,10UF,,+10%,-10%,10V-DC,0805,-40/C TO +85/C,-40D
L90	2488090Y05	IDCTR,CHIP,2.2NH,5%,300MA,CER,SM,0402,MULAY PB FREE
L220	2488090Y06	IDCTR,CHIP,2.7NH,5%,400MA,,CER,,,,,SM,,0402,MULAY PB FREE
L931 L940 L933 L942 L935 L936 L215 L92	2488090Y20	IDCTR,CHIP,39NH,5%,200MA,CER,SM,0402,MULAY PB FREE
L910 L840 L100 L950 L202 L154	2488090Y24	IDCTR,CHIP,82NH,5%,150MA,CER,SM,0402,MULAY PB FREE
L960	2488183V05	IDCTR,RF,10NH,5%,180MA,4.8OHM,15 Q,25MHZ SRF,SM,0603,PB FRE
L61	2489532Y08	CHIP INDUCTOR,WW,6.2NH,2%,760MA,.083OHM,CER,,,,,SM,,0402,HI- Q,
L901	2588079Y03	IDCTR,WW,10UH,20,740MA,.24OHM,FERR,
L902	2590031N04	IDCTR,PWR,4.7UH,20,,,,,,SM,,,3 X 2.8 X 1.2
SH4	2687523V01	SHIELD,SM SLDRD,,28.03MMLG,26.53MMW
SH3	2687523V03	SHIELD,SM SLDRD,,23.27MMLG,15.47MMW

SH2	2687523V04	SHIELD,SM SLDRD,,27.17MMLG,26.62MMW
SH1	2687523V06	SHIELD,SM SLDRD,,22.08MMLG,20.18MMW
Q250 Q260	4809579E72	XSTR,FET GEN PURPOSE SMALL SIG,MOSFET,N AND P,,,SC70-6,,,,,INTE
Y250	4809718L22	OSC,TCXO,26MHZ,SM,,,,,3.2X2.5X1.2 M
D901 D902 D910 D911 D912 D701	4809924D29	DIODE,SWG,BAS52-02V,SM,500MA,30V,.06W,SHTK,LOW LEAKAGE, SC79, W
Y900	4809995L13	RESON,QRTZ,.032768MHZ,,,,SM,,FUND,,, -40DEG C MIN,85DEG C MAX,TNG
U901	4813973M77	XSTR,BIP GP SS,,PNP,MBT35200,TSOP,,,,,-35V,, -2A,100MHZ,PB FREE
U80	4870370A58	IC,ANLG SW,QUAD BAND,RF,SMD
Q910	4887559V59	XSTR,FET GP PWR,TRENCHFET,P,SI1950DL,SM,-8V,.27W,PB FREE
Q920 Q925	4888795V14	XSTR,FET GEN PURPOSE SMALL SIG,P-CHANNEL,SM,-8V,.27W,PB FR
U840	5109817F77	IC,COMPTR,LMV7275,,SC70-5
U820	5114000A50	IC,NAND,,1G00,1PER PKG,SOT-353,,,PB FREE
U830	5114007M34	IC,INVTR,,,1PER PKG,SM,SOT-353,,PB-FREE
U250	5114007M46	IC,INVTR,,,1PER PKG,SOT-353,,,PB-FREE
U810 U850	5164751E03	IC,BFR,,MC74VHC1GT50,N-I,,,,SOT-353
U150	5188450M19	IC,CUST,,,,,,BICMOS, SIGE, GSM/EDG
U200	5188450M31	IC,CUSTOM,,,1PER PKG,SM,,,SI CMOS R
U900	5188450M36	IC,CUST,BGA,ATLAS ULTRALITE 2.3A
U910	5189263U84	IC,SWG V REGLTR,FXD,400MA,SM,SOT-23/5,PB FREE
U50	5189789N02	GMSK/EDGE (850-900-1800-1900MHZ) POWER AMP. MODULE (E24)
U700	5199159J01	IC,FLSH,PSRAM STACK,256MBIT,84NS,BGA,CSP T AND R PARTS PB FRE
U800	5199185K03	IC,PGM,,,,,SM,,NEPTUNE LTE2 ROM 1.1.3 PRODN SEC
U70	5887694L03	ATTEN 50 OHM 1 DB 1X1MM SMD
U60	5887694L06	ATTEN,FXD,,3DBATTEN,,,,SM,SMD,-,,UNBALANCED PI-TYPE CHIP 2.2GHZ
FL100	9188668L05	FLTR,SAW,,,,,,SM,,881/942/1842/1960