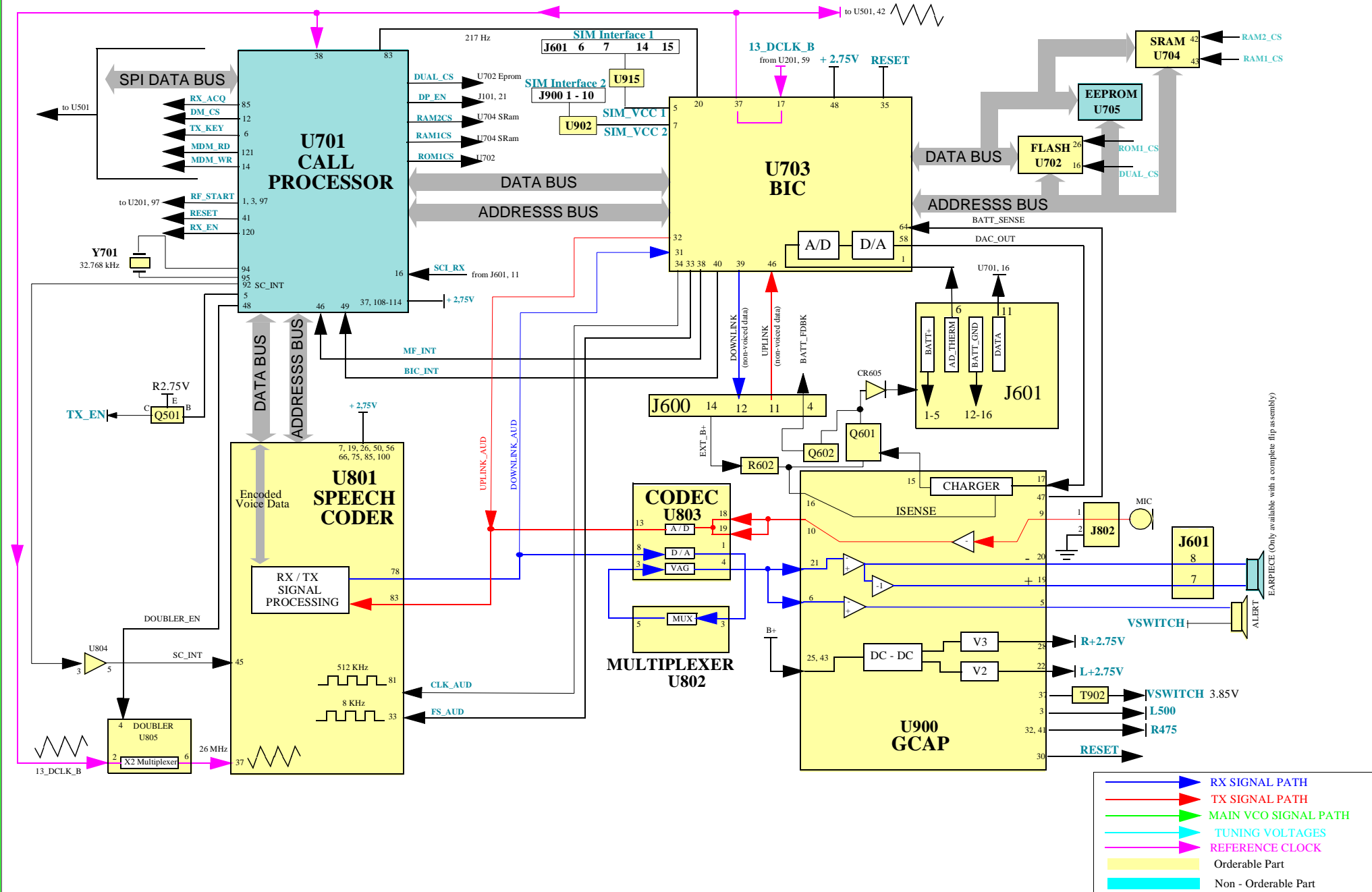
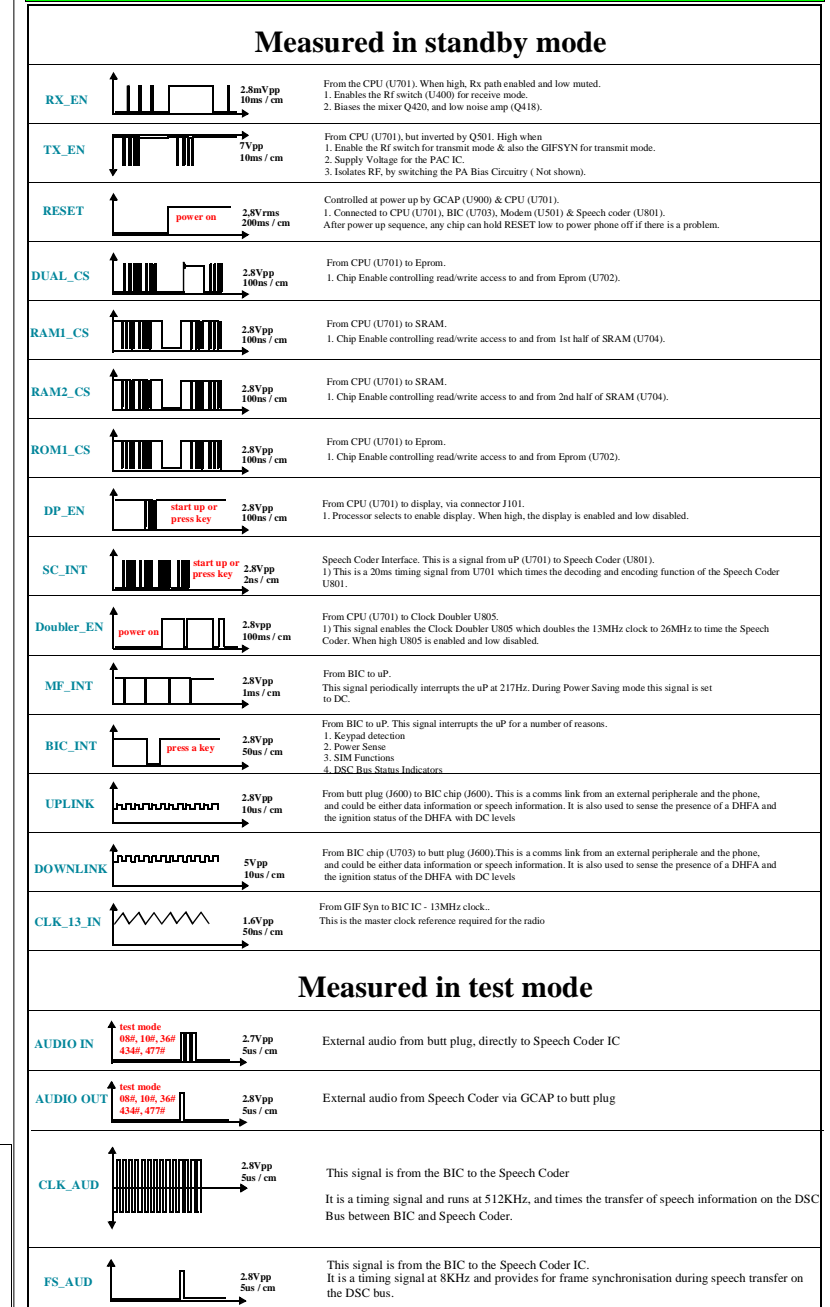


GSM DualSlot StarTAC Audio Logic Block Diagram



LOGIC BOARD SIGNALS



A/L LAYER - ORDERABLE SPARES

Part Designator	Part Description	Part Number	Part Designator	Part Description	Part Number
A2 / A3	Ground clips Ant. tube	4209480E01	U703	IC BIC	5109962C11
AL800	Alert	5009473S01	U704	IC SRAM	5109688L09
CR605	Diode / Charger	4809653F03	U801	IC Speech Coder	5199305A01
J101	32 Pin Display Connector	2809454C02	U802	IC Multiplexer	5109632D44
J600	15 Pin Extern Connector	0909449B04	U803	Codec IC	5109920D19
J601	Flip Flexprint Connector	0909201T01	U804	IC Buffer	5109522E10
J802	Microphone Connector	0909195E01	U805	IC Frquency Doubler	5109781E47
J900	SIM Connector 2	4009169E01	U900	IC GCAP	5109632D69
MIC	Microphone	5009536H15	Y701	XTAL 32.768KHZ	4809995L05
Q501	Transistor TX_EN	4809607E05	U702	Flash Prom With Bootcode	5102486T01
Q601	Power Transistor Charger	4809579E17	S1 - S3	Volume / Mute Switch	4009060E01
Q602	Transistor Batt Feedback	4809939C04	SH25 - 27	Ground Clips	4209189E01
R602	Resistor / Charger Sensing	0680195M64	A1	Antenna Clip	4209233D01
T902	Choke / Vswitch	2509306J01			

TEST COMMANDS

# press 2 sec.	Enter Manual Test Mode
01 #	Exit Manual Test Mode
07 #	Mute Rx Audio Path
08 #	Unmute Rx Audio Path
09 #	Mute Tx Audio Path
10 #	Unmute Tx Audio Path
11 #	Program Main Local Osc. to Channelbb
12 #	Set Tx Power level to fixed valure
19 #	Display SW Version Number of Call Processor
20 #	Display SW Version Number of Modem
22 #	Display SW Version Number of Speech Coder
25 #	Set Continuous AGC
26xxxx #	Set Continuous AFC
31x #	Initiate Pseudo-Random Sequence with Midamble
33xxx #	Synchronize to BCH Carrier
36 #	Initiate Acoustic Loopback
37 #	Stop Test
45xxx #	Serving Cell Power Level
46 #	Display Current Valure od AFC DAC
47x #	Set Audio Volume
58 / xxxxxx #	Display / Modify Security Code
59 / xxx #	Display / Modify Lock Code
60 #	Display IMEI

■ = Differences Startac 100 to Dual band Startac

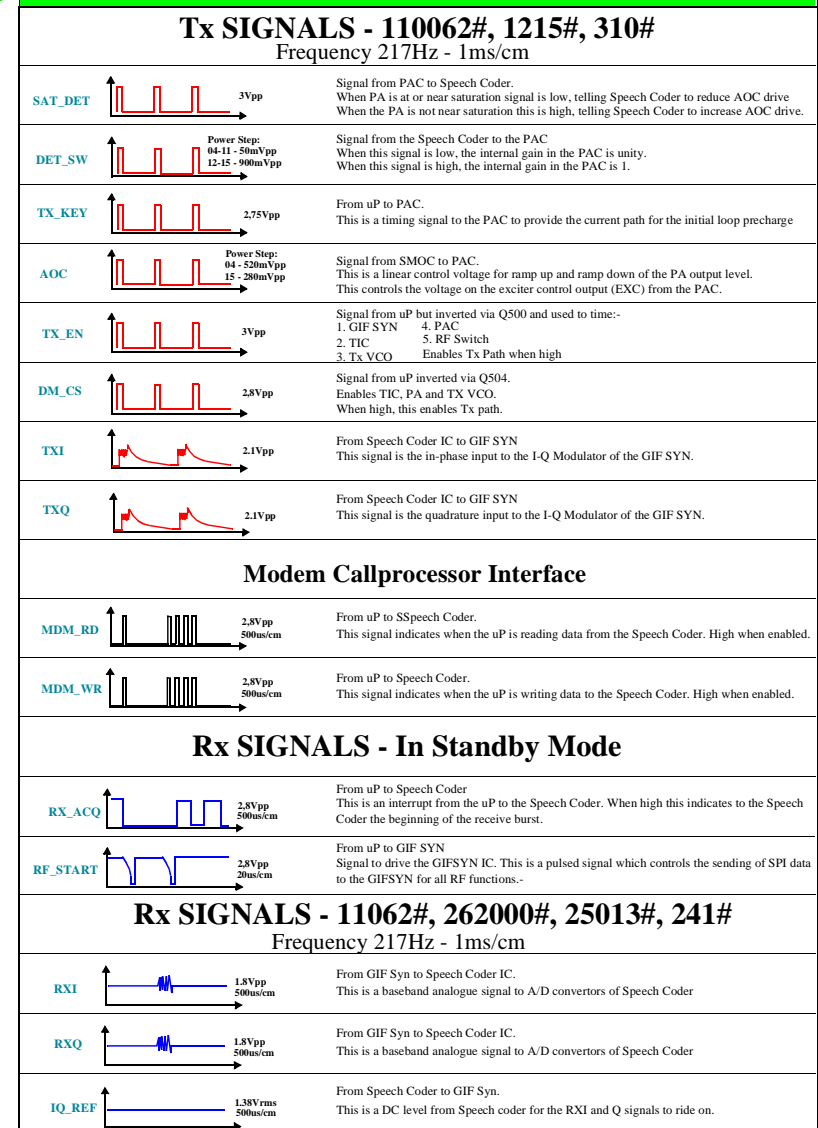
Motorola Confidential Proprietary

REVISIONS

Europe Middle East & Africa Customer Services	21.04.99
LEVEL 3 COLOUR DIAGRAMS	Rev. 1.1
GSM Dual Slot Startac	
Colin Jack, Michael Hansen, Ray Collins, Ralf Lorenzen	Page 1 of 2

MOTOROLA
Europe, Middle East & Africa
Customer Services
Level 3 Authorised

RF BOARD SIGNALS



TEST COMMANDS

# press 2 sec.	Enter Manual Test Mode
01 #	Exit Manual Test Mode
07 #	Mute Rx Audio Path
08 #	Unmute Rx Audio Path
09 #	Mute Tx Audio Path
10 #	Unmute Tx Audio Path
11 #	Program Main Local Osc. to Channelbb
12 #	Set Tx Power level to fixed value
19 #	Display SW Version Number of Call Processor
20 #	Display SW Version Number of Modem
22 #	Display SW Version Number of Speech Coder
25 #	Set Continuous AGC
26xxxx #	Set Continuous AFC
31x #	Initiate Pseudo-Random Sequence with Midamble
33xxx #	Synchronize to BCH Carrier
36 #	Initiate Acoustic Loopback
37 #	Stop Test
45xxx #	Serving Cell Power Level
46 #	Display Current Value of AFC DAC
47x #	Set Audio Volume
58 / xxxxxx #	Display / Modify Security Code
59 / xxx #	Display / Modify Lock Code
60 #	Display IMEI
7100 #	Display Error Code

REVISIONS

Europe Middle East & Africa Customer Services	21.04.99
LEVEL 3 COLOUR DIAGRAMS	Rev. 1.1
GSM Dual Slot startac	
Colin Jack, Michael Hansen, Ray Collins, Ralf Lorenzen	Page 2 of 2

