
TECHNICAL SUPPORT NOTE # 29

Changing Agilent 8960 TDSO Supplemental Channel Information

SCOPE

Executing TASKIT C2K tests, several C2K-ATS users have observed mobile failures in IS-98E test 4.4.9.2.2, Code Channel Output Power for the Reverse Traffic Channel. These failures were only observed on test cases using RC3 + SCH with Turbo and Convolutional coding. The same failed test results could not be reproduced on Agilent 8960 stand-alone systems.

The reason for the failed test result not being reproducible on a stand-alone 8960 is incorrect configuration of the TDSO Supplemental channel. This document provides guidance for proper verification and modification of the 8960 Supplemental channel settings.

CHANGING TDSO SUPPLEMENTAL CHANNEL SETTINGS

Follow the steps shown below for proper configuration of the 8960 TDSO Supplemental Channel

A. Select the TDSO Service Option.

1. Press the **CALL SETUP** key.
2. Press the Radio Config (**F11**) key and select the radio configuration (Fwd3, Rvs3) or (Fwd4, Rvs3).
3. Press the FCH Service Option Setup (**F12**) key and set the service option for the selected radio configuration (Fwd3, Rvs3) or (Fwd4, Rvs3) to SO32 (+ F-SCH) or SO32 (+ SCH).

B. Set the TDSO Supplemental Channel Information.

1. Press the **More** key on the left side of the display.
2. Press the TDSO SCH Info (**F4**) key.

Call Control	Active Cell Operating Mode		
Soft Handoff Info	Mobile Station Information		
Cell Info	ESN (Hex):	0x45FB88EC	
Generator Info	ESN (Dec):	069-16404870	
IRAT RSC Info	ICC:	0	
	IMC:		
Clear IS & Capability Info	ISDN:	5098541530	
IS Capability Info	Sim Class:	Stuffed	
	Slot Cycle Index:	1	
	Protocal Revision:	6 (IS-2000-11e01)	
	Band Class:	US Cell	US PCS
	IS Operating Mode:	MultiMode	ISINA
	Max EIRP (dBm):	-7	-7
	Registration Type:	Timer Based	
	QPCH Supported:	Yes	
	Enhanced RC Support:	Yes	
	Min Power Control Step:	Unknown	
	IS Called Party Number:		
	Active Call	Sus Type: 16-2000	
	Idle	Logging: No Conn.	
2 of 3	IntRef		

The TDSO supplemental channel parameters are accessible regardless service option currently selected, but the parameter settings are stored for use when the service option is set to SO32 (+ F-SCH) or SO32 (+ SCH).

- Set the forward supplemental channel parameters.

Supp Info	TDSO Supplemental Channel Information	
	F-SCH Information	
	Service Option:	SO32
	Data Rate:	9.6 kbps
	Encoder Type:	Convolutional
	Data Source:	PRBS
	R-SCH Information	
	F-SCH Parameters	
	F-SCH Data Rate	9.6 kbps
	F-SCH Encoder Type	Convolutional
	Data Source	PRBS
	Feed Pattern	30
Close Menu		

- Press the F-SCH Parameters (**F2**) key.
 - Change the parameters as needed using the knob and/or keypad.
 - Press the Close Menu (**F6**) key.
- Set the reverse supplemental channel parameters.

