

S E R V I C E N O T E

SUPERSEDES: None

Agilent 8591C, 8591E, 8593E, 8594E, 8595E, 8596E, 8591EM, 8593EM, 8594EM, 8595EM, 8596EM, 8594Q, 11757B, and 11758B

859XE Spectrum Analyzer Serial Numbers:

8591C -13 3916A04099 / 3916A04355
 8591E -16 3916A07840 / 3916A08000
 8593E -17 3926A04414 / 3926A04567
 8594E -16 3911A09049 / 3916A09232
 8595E -16 3911A04772 / 3911A04951
 8596E -16 3911A01814 / 3911A01861

EMC Analyzer Serial Numbers:

8591EM-09 3916A01485 / 3916A01488
 8593EM-09 3926A00300 / 3926A00306
 8594EM-09 3911A00388 / 3911A00391
 8595EM-09 3911A00195 / 3911A00196

Digital Video Broadcast Analyzer Serial Numbers:

8594Q-04 US00140111 / US00140125

Digital Radio Test System Serial Numbers:

11757B-06 US00140105 / US00140107
 11758B-02 US00140103 / US00140116

Instruments within this serial range can experience a 'smplr unlock' error message on the analyzer screen.

Continued

DATE: January 2001

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:		
MODIFICATION AVAILABLE		
ACTION CATEGORY:	AGREEABLE TIME	<input type="checkbox"/> PERFORMANCE ENHANCEMENT <input checked="" type="checkbox"/> SERVICE/RELIABILITY ENHANCEMENT
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER	AVAILABLE UNTIL: End of GMS
AUTHOR: BD	ENTITY: 5330	ADDITIONAL INFORMATION:

To Be Performed By: Agilent Service Centers Only

Parts Required:

Remove A9, Third Converter assembly and replace it **ONLY** if the customer complaint is regarding the 'smplr unlock' message on the analyzer display.

Situation:

Manufacturing discovered that the plastic package for A9U1 prescaler (vendor part number MC12090P) that divides down the 600 MHz SAWR oscillator to 300 MHz for use on the A25 Counterlock board will not divide correctly and result in a 200 MHz output with 600 MHz mixing harmonics. The instrument display will read 'smplr unlock'. The problem can be remedied by leaving the system on for 5 minutes to warm it up, and cycle the power. Once the chip is oscillating correctly, it is stable over temperature as long as the power isn't cycled again while it is cold.

Solution / Action:

Change out A9, Third Converter assembly. All field stock has been pulled to verify A9U1 is the correct style of prescaler.