

S E R V I C E N O T E

SUPERSEDES: None

83215A RF Interface**Serial Numbers:** 0000A00000 / JP2KA00288**New firmware ROM allows greater external losses on system calibration****To Be Performed By:** Agilent-Qualified Personnel**Duplicate Service Notes:**

83215A-03

83215B-01

Parts Required:

Part No.	Qty.	Description
83215-85007	1	ROM, A.04.01

Continued

DATE: October 1995

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

MODIFICATION AVAILABLE

ACTION CATEGORY:	AGREEABLE TIME	<input checked="" type="checkbox"/> PERFORMANCE ENHANCEMENT <input type="checkbox"/> SERVICE/RELIABILITY ENHANCEMENT
LOCATION CATEGORY:	<input checked="" type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input type="checkbox"/> SERVICE CENTER	AVAILABLE UNTIL: Product's Support Life
AUTHOR: YO	ENTITY: 3355	ADDITIONAL INFORMATION: FQC-139517

Situation:

When the system has more than the external losses listed below, 8920 gives 83215 input overpower to compensate the losses. It causes gain compression at input amplifier of 83215 and reduces its output level.

Table 1. SYS_CAL Loss Limits

Band	83215A	83215B
PDC800M	20dB	NA
PDC1_5G	11dB	NA
PHS	9dB	9dB

Solution/Action:

Upgrading A16U11 ROM expands the system calibration loss limits by changing its compensation algorithm.

No adjustments are required after upgrading ROM.