

MODIFICATION RECOMMENDED

N9938A-01

S E R V I C E N O T E

Supersedes:
None

N9938A - FieldFox Handheld Analyzer

Serial Numbers: Listed at end of note.

FieldFox instruments with the serial numbers listed on the following page are being returned to Agilent factory so the RF board can be upgraded for reliability enhancement, due to possible oscillation by the voltage regulator on the RF board.

Parts Required:

P/N	Description	Qty.
None		

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION: MODIFICATION RECOMMENDED	
ACTION <input checked="" type="checkbox"/> ON SPECIFIED FAILURE CATEGORY: <input type="checkbox"/> AGREEABLE TIME	STANDARDS LABOR: 3.0 Hours
LOCATION <input checked="" type="checkbox"/> SERVICE CENTER (RETURN TO FACTORY) CATEGORY:	SERVICE <input type="checkbox"/> RETURN INVENTORY: <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY: PRODUCT'S SUPPORT LIFE	USED <input type="checkbox"/> RETURN PARTS: <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
<input checked="" type="checkbox"/> Calibration Required <input type="checkbox"/> Calibration NOT Required	NO CHARGE AVAILABLE UNTIL: 18 April 2014
PRODUCT LINE: WN AUTHOR: DYCS	
ADDITIONAL INFORMATION: <u>UNIT MUST BE RETURNED TO FACTORY FOR REPAIR.</u>	

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Rev. 21



Situation:

RF board earlier than Rev 7 may have sidebands issue due to oscillation by the voltage regulator. After it is fixed by replacing a new inductor, the RF board revision header will be updated to reflect the change.

Figure 1 shows a good RF signal, and Figure 2 shows FieldFox with sidebands issue.

Figure 1: No sidebands issue

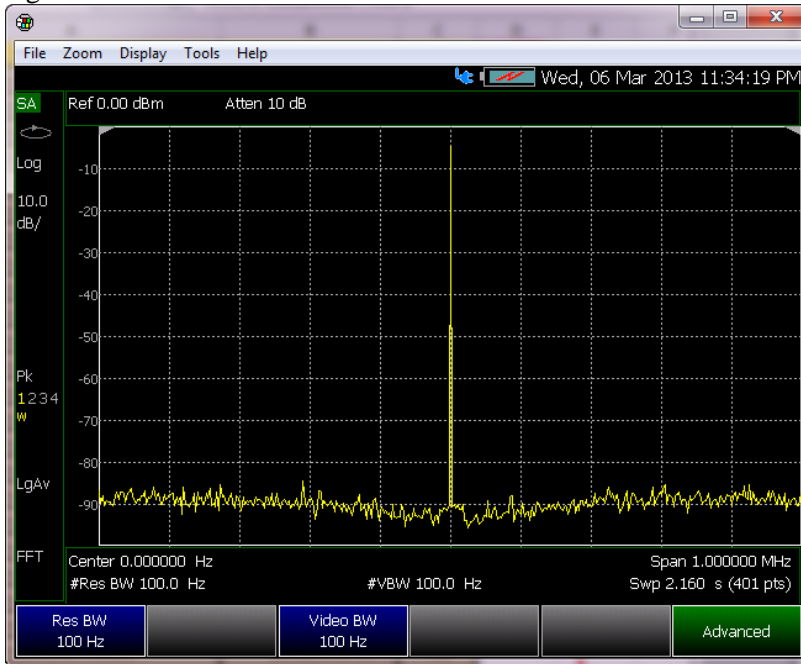
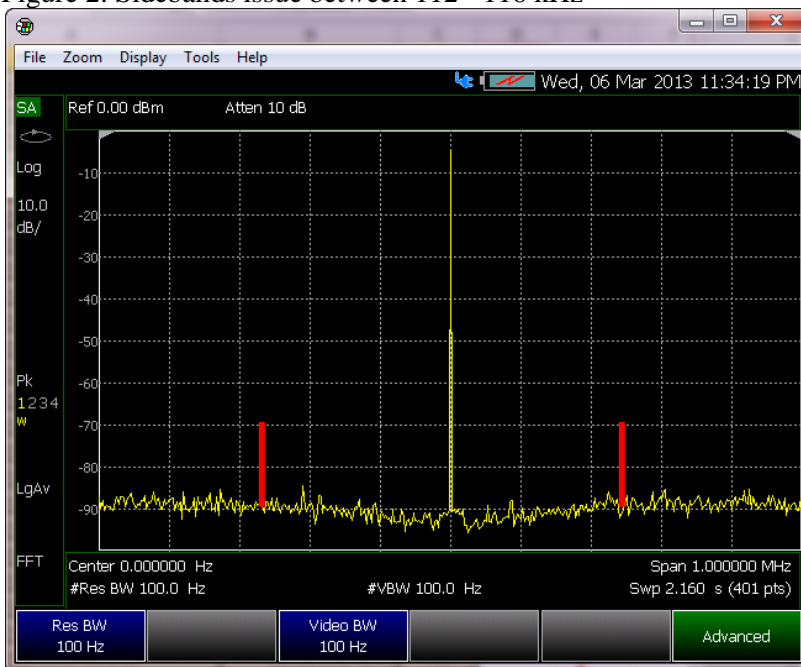


Figure 2: Sidebands issue between 112 - 116 kHz



Solution/Action:

Follow below procedure to check if the FieldFox may have sidebands issue between 112 kHz to 116 kHz.

1. Press Mode, select SA
2. Press Freq/Dist, set center frequency as 0 Hz, Span: 1 MHz.
3. Press BW, set Res BW: 100Hz, and Video BW: 100 Hz

Affected FieldFox are required to send back to Agilent factory for RF board reliability enhancement. The RF board revision header will be updated to reflect the change. Test and Adjustment shall be done before shipping back to customer.

	Serial Number		
1	US52240101	US52240228	US52240350
2	US52240102	US52240229	US52240359
3	US52240103	US52240230	US52240360
4	US52240104	US52240231	US52240372
5	US52240105	US52240232	US52240373
6	US52240106	US52240233	US52240374
7	US52240191	US52240257	US52240375
8	US52240225	US52240346	US52240376
9	US52240226	US52240347	US52240393
10	US52240227	US52240349	

Revision History:

Revision Number	Date	Author	Reason For Change
1.0	3/18/13	DYCS	As published