N9917A-01

S E R V I C E N O T E

Supersedes:
None

N9917A - 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 CATEGORY: X ON SPECIFIED FAILURE [[]] AGREEABLE TIME	STANDARDS LABOR: 3.0 Hours	
LOCATION CATEGORY: X SERVICE CENTER **(RETURN TO FACTORY)**	SERVICE INVENTORY: [[]] RETURN [[]] SCRAP [[]] SEE TEXT	USED PARTS: [[]] RETURN [[]] SCRAP [[]] SEE TEXT
AVAILABILITY: PRODUCT'S SUPPORT LIFE	NO CHARGE AVAILABLE UNTIL: 18 April 2014	
X Calibration Required [[]] Calibration NOT Required	PRODUCT LINE: WN AUTHOR: DYCS	
ADDITIONAL INFORMATION: **UNIT MUST BE RETURNED TO FACTORY FOR REPAIR.**		

March 21, 2013

Rev. 21

Agilent Technologies

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

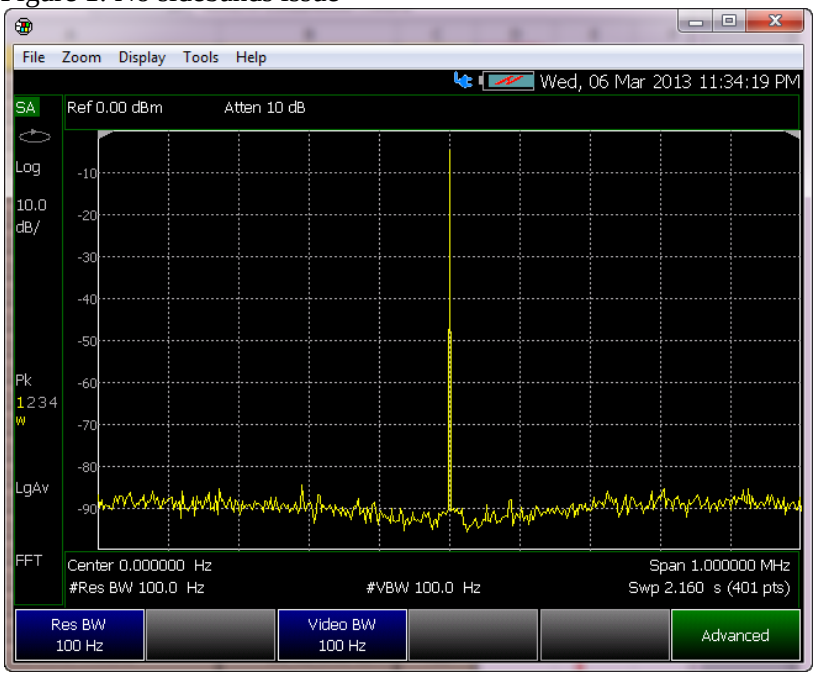
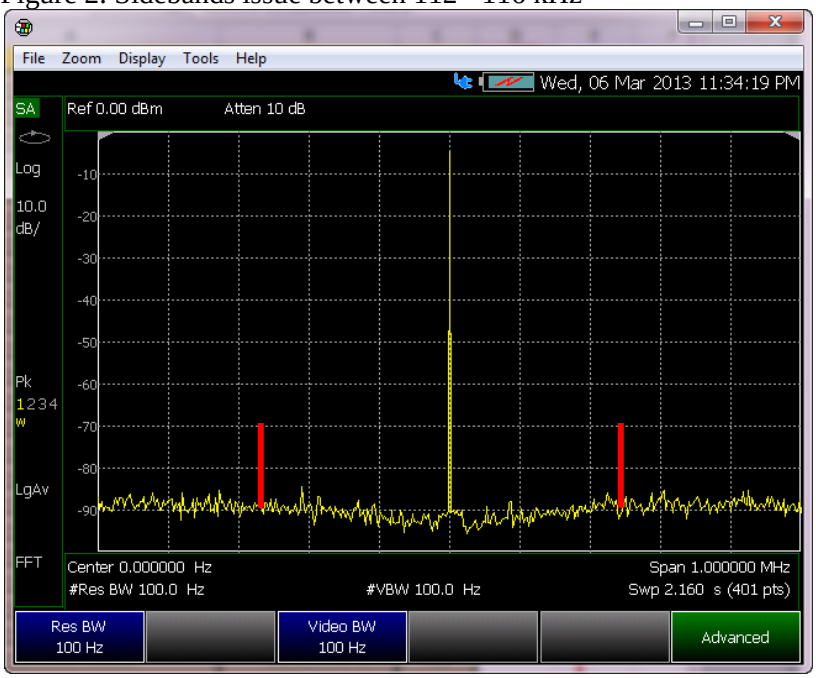


Figure 2: Sidebands issue between 112 - 116 kHz



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 Numbers				
1	US52240101	US52240125	US52240145	US52240309	US52240379
2	US52240102	US52240126	US52240146	US52240310	US52240401
3	US52240107	US52240127	US52240212	US52240316	US52240402
4	US52240108	US52240128	US52240213	US52240318	
5	US52240109	US52240129	US52240237	US52240319	
6	US52240110	US52240130	US52240242	US52240323	
7	US52240111	US52240131	US52240243	US52240335	
8	US52240112	US52240132	US52240246	US52240336	
9	US52240113	US52240133	US52240248	US52240337	
10	US52240114	US52240134	US52240249	US52240338	
11	US52240115	US52240135	US52240256	US52240339	
12	US52240116	US52240136	US52240263	US52240340	
13	US52240117	US52240137	US52240264	US52240342	
14	US52240118	US52240138	US52240265	US52240343	
15	US52240119	US52240139	US52240299	US52240344	
16	US52240120	US52240140	US52240300	US52240362	
17	US52240121	US52240141	US52240301	US52240370	
18	US52240122	US52240142	US52240302	US52240371	
19	US52240123	US52240143	US52240307	US52240377	
20	US52240124	US52240144	US52240308	US52240378	

Revision History:

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