

MODIFICATION RECOMMENDED

N9918A-01

S E R V I C E N O T E

Supersedes:
None

N9918A - 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 X ON SPECIFIED FAILURE CATEGORY: <input type="checkbox"/> AGREEABLE TIME	STANDARDS LABOR: 3.0 Hours	
LOCATION X SERVICE CENTER (RETURN TO FACTORY) CATEGORY:	SERVICE <input type="checkbox"/> RETURN INVENTORY: <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT	USED <input type="checkbox"/> RETURN PARTS: <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY: PRODUCT'S SUPPORT LIFE	NO CHARGE AVAILABLE UNTIL: 18 April 2014	
X Calibration Required <input type="checkbox"/> Calibration NOT Required	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

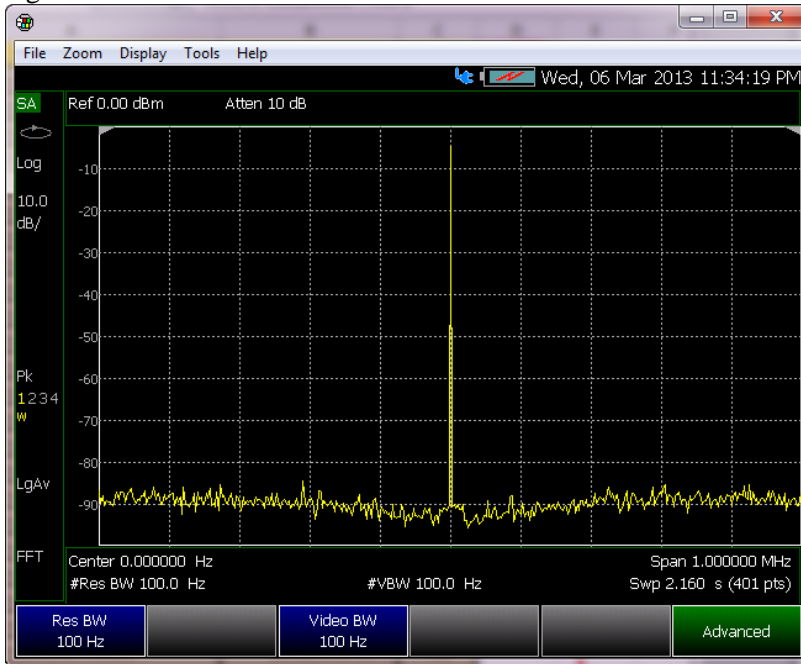
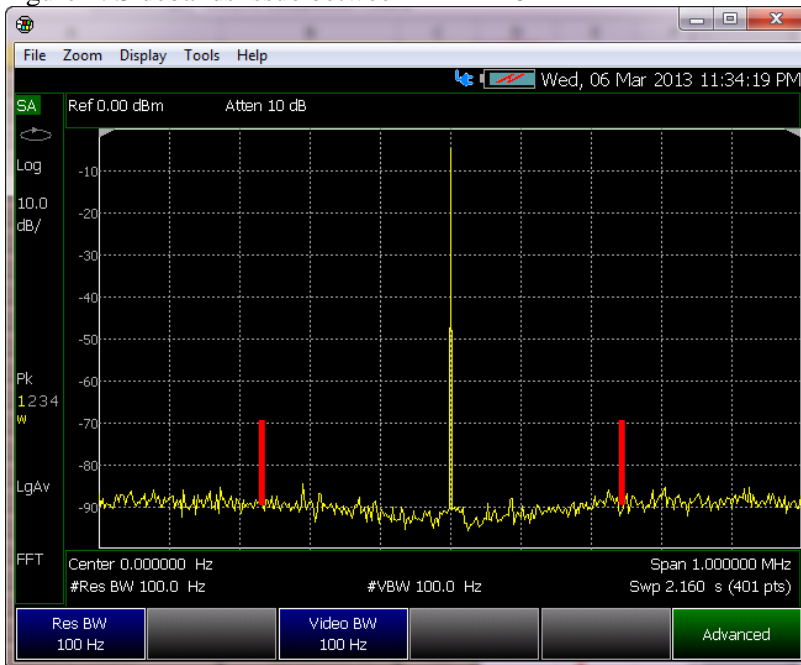


Figure 2: Sidebands issue between 112 - 116 kHz



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 Numbers				
1	US52240101	US52240140	US52240175	US52240219	US52240304
2	US52240102	US52240141	US52240176	US52240220	US52240305
3	US52240103	US52240142	US52240177	US52240221	US52240306
4	US52240104	US52240143	US52240178	US52240235	US52240311
5	US52240105	US52240144	US52240179	US52240250	US52240312
6	US52240106	US52240145	US52240180	US52240252	US52240313
7	US52240107	US52240146	US52240181	US52240253	US52240314
8	US52240108	US52240147	US52240183	US52240258	US52240317
9	US52240109	US52240148	US52240184	US52240259	US52240322
10	US52240110	US52240149	US52240185	US52240260	US52240327
11	US52240111	US52240150	US52240186	US52240260	US52240328
12	US52240112	US52240151	US52240187	US52240261	US52240329
13	US52240113	US52240152	US52240189	US52240262	US52240330
14	US52240114	US52240153	US52240190	US52240266	US52240331
15	US52240115	US52240154	US52240192	US52240268	US52240332
16	US52240116	US52240155	US52240193	US52240269	US52240333
17	US52240117	US52240156	US52240193	US52240270	US52240334
18	US52240118	US52240157	US52240194	US52240271	US52240345
19	US52240119	US52240158	US52240194	US52240272	US52240351
20	US52240120	US52240159	US52240195	US52240273	US52240354
21	US52240121	US52240160	US52240195	US52240274	US52240357
22	US52240122	US52240161	US52240196	US52240275	US52240358
23	US52240123	US52240162	US52240197	US52240276	US52240369
24	US52240124	US52240163	US52240198	US52240277	US52240381
25	US52240125	US52240164	US52240198	US52240280	US52240386
26	US52240126	US52240165	US52240199	US52240281	
27	US52240127	US52240166	US52240199	US52240282	
28	US52240128	US52240167	US52240200	US52240283	
29	US52240129	US52240168	US52240201	US52240284	
30	US52240130	US52240169	US52240202	US52240285	
31	US52240131	US52240170	US52240203	US52240286	
32	US52240132	US52240171	US52240210	US52240287	
33	US52240133	US52240172	US52240211	US52240288	
34	US52240134	US52240173	US52240217	US52240298	

35	US52240139	US52240174	US52240218	US52240303	
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Revision History:

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