

R347B-02

Modification Recommended Service Note

Supersedes:
None

R347B Millimeter-Wave Noise Source, R-band, 26.5 to 40 GHz

Serial Numbers: [Refer to Table 1-1](#)

Manufacturing ID Number: N/A

Repair strategy change for R347B Noise source

Parts Required:

P/N	Description	Qty.
00346-60198	26.5 GHz to 40 GHz R-Band noise source replacement	1

ADMINISTRATIVE INFORMATION

ACTION	☒ ON SPECIFIED FAILURE	STANDARDS	
CATEGORY:	☐ AGREEABLE TIME	LABOR:	0.5 Hours
LOCATION	☐ CUSTOMER INSTALLABLE	SERVICE:	☒ RETURN
CATEGORY:	☐ ON-SITE (active On-site contract required)	INVENTORY:	☐ SCRAP
	☒ SERVICE CENTER		☐ SEE TEXT
	☐ CHANNEL PARTNERS	USED PARTS:	☒ RETURN
			☐ SCRAP
			☐ SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	NO CHARGE AVAILABLE UNTIL:	1-Apr-2024
	☒ Calibration Required	PRODUCT LINE:	WN
	☐ Calibration NOT Required	AUTHOR:	ls

ADDITIONAL INFORMATION: This service note communicates the repair strategy change for Keysight Technologies R347B noise source from January 2019 onwards.

Situation:

The old diode (part of the Noise source bulkhead assembly) had been discontinued with no alternative sourcing identified.

The new noise source will have some slight differences in ENR value.

Solution/Action:

This service note serves as a notification to the listed serial numbers.

This is only a notification and no further action is required.

Table 1-1 – Identified R347B serial numbers

3318A00640	MY44420279	MY44420281	MY44420292	MY44420293	MY44420294	MY44420295	MY44420296
MY44420297	MY44420298	MY44420299	MY44420302	MY44420303	MY44420310	MY44420311	MY44420312
MY44420314	MY58230103	MY58230104	MY58230105	SG44420106	SG44420107		

--If your unit serial number belongs to the above, in the event (low possibility & unlikely) where the noise source is deemed to be out of specification/ fail annual calibration, it will be replaced with brand new R347B with a new (Different) serial number.

Refer to the [Appendix](#) for the ENR value comparison.

Should you require further information, contact Keysight Technologies service team.

Appendix

Shown is the quick comparisons of ENR – Table 1-2

Shown in figure 1-1 is the typical ENR performance comparison for old and new diode.

For detailed and updated info, refer to R347B Data Sheet & Operating and Service Manual in Keysight.com.

Table 1-2

Frequency Range	ENR (Serial Prefix MY/SG4442 & 4015A, 3318A and below)	ENR (Serial Prefix MY/SG5823)
26.5 to 40GHz	10 dB to 13 dB	14 dB to 17 dB

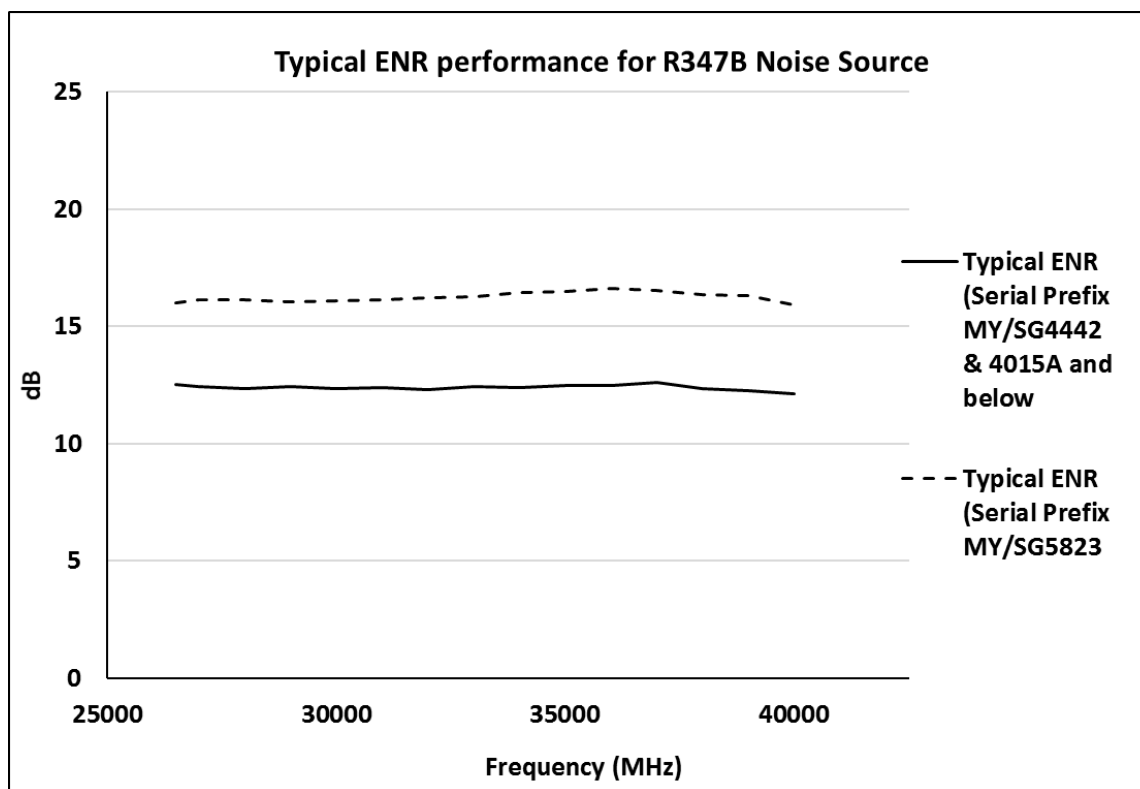


Figure 1-1

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Revision History:

Date	Service Note Revision	Author	Reason for Change
26-Mar-2019	R347B-02	ls	As Published