

FCC Class II Permissive Change Application Letter

Eurofins Electrical and Electronic Testing NA, Inc.
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Applicant's complete, legal business name: Trimble Jena GmbH

Applicant's mailing address: Carl-Zeiss-Promenade 10, Jena, 07743, Germany

Equipment Product Code: -73350046

FCCID Number and Date of Original Grant: YK5-73350046 2020-03-19

Person at the Applicant's address to receive Grant (name, title, e-mail):
Eyk Taege, Manager Electronics Development, eyk_taege@trimble.com

Change Contents:

Antenna Changes

The Data-Alliance ADD35RA has been added to the user manual exhibit and included as an approved antenna. The original Pulse/Larsen W5029RPG datasheet describes the 2.4 GHz gain as $2.3\text{dBi} \pm 1\text{ dB}$, which therefore means the maximum rated gain is 3.3 dBi. The maximum rated gain for the Data-Alliance ADD35RA is stated as 3 dBi; the ADD35RA is of the same type as the W5029RPG and of less gain.

Printed Circuit Board (PCB) Or Hardware Changes

Component shortages meant that the band-pass filter and diplexor chips could not be sourced in sufficient volume. Per KDB 178919, electrically identical parts have been substituted for these two components that perform sub-functions on the RF path. The affected components are described in the table below, and shown with red border in the photo on the next page.

Part Designator	Part Name	Original Manufacturer and Part #	Replacement Manufacturer and Part #
DP1, DP2	Chip Diplexer	Mag Layers LTD-1608-2G4S3-Q13-AT	TDK DPX165950DT-8045A1

FL1, FL2	Chip Band-Pass Filter	ACX BF1411-L2R4NCA	TDK DEA142450BT-3028A1
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Sincerely,

[Signature]