

Date: 13 August 2026

Office of Engineering and Technology
Laboratory Division
Equipment Authorization Branch
Federal Communications Commission Laboratory
7435 Oakland Mills Road
Columbia, MD 21046

Subject: Application for Class 2 Permissive Change to FCC Authorized Transceiver with FCC ID: AZ489FT7184

Dear Sir/Madam,

A permissive change is requested for the subject transceiver which is marketed in the United States and elsewhere.

A. DESCRIPTION OF PRODUCT CHANGES:

RF PA replacement which is a drop in component with the similar specification and there is no layout change required. This change applies for APX NEXT REFRESH STANDARD, XE and XN.

BP Board Changes

Original Part	Description	Replacement Part	Application
IC001175A01 (Qorvo)	RF PA	IC002620A01 (Qorvo)	LMR Transmit

The change is applicable to KVL 7000 because it shares the same BOM as per ANRF STD/XE/XN. But it does not affect the KVL 7000 because the LMR feature is disabled.

The physical appearance is similar where it maintains a footprint identical to the predecessor and the change is not noticeable in visual documentation. Therefore, an Ex09a update is not required.

B. PERFORMANCE DIFFERENCES:

RF Exposure evaluations observed degradation while EMC & RF have been assessed and no degradation was observed compared to the previous filing. The primary difference between part IC001175A01 (QPD1000, current shipping part) and IC002620A01 (QPD1000A, new part) is the passive Input Matching Network. The active FET remains unchanged and identical in both parts. According to the datasheets, both ICs share the same input matching values and exhibit similar VSWR performance. Furthermore, EMC CE and RSE testing across all bands (VHF, UHF, and 7/800 MHz) showed no spurious emissions. Consequently, spot-check testing was conducted on the 800 MHz band only. The data remains fully compliant with FCC limits.

C. CONCLUSION:

These radios continued to meet all FCC emissions requirements for which authorization was granted.

Sincerely,



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