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SEMTECH / SIERRA WIRELESS PRODUCT CHANGE NOTICE

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OVERVIEW

DATE ISSUED:	September 8, 2023	TRACKING NUMBER:	4134990
ISSUED BY:	AirPrime Product Management		
PRODUCTS AFFECTED:	RC7611, RC7611-1		
SKUS AFFECTED:	1105020, 1105021, 1105022, 1105023, 1105083		
BULLETIN:	RC7611/-1 Data Only SKU Configuration Update		
URGENCY:	Normal		
EFFECTIVE DATE:	September 23, 2023		
FOR DISTRIBUTION TO:	All customers and partners affected		

Details of Change

According to PTCRB IMS/VoLTE shall be disabled in cellular IoT modules which use a Data Only configuration. RC76xx R9.x Data Only SKU's are currently configured by disabling IMS and VoLTE Non-Volatile memory parameters in the respective SKU customizations. AT&T and VZW are requiring additional updates regarding IMS/VoLTE for Data Only modules.

Below is the updated IMS/VoLTE configuration and Non-Volatile memory parameters that will be set PERSISTENTLY in the respective SKU customizations for all RC76xx R9.x Data Only SKU's.

MNO name /SKU Customizations	disable_cm_call_type	IMS_enable	sms_only	ue_usage_setting	Additional VoLTE setting
AT&T	515 (Voice, CSD, and emergency calls disabled)	0 (Disabled)	1 (sms only enabled)	1 (Data-Centric)	pc_FeatrGrp_3_F*: False pc_FeatrGrp_7_F*: False pc_FeatrGrp_27_F*: False
VZW		1 (Enabled)*			Same as respective Carrier OEMPRI's
T-Mobile		0			
PTCRB		0 (Disabled)			

*: new changes

There are no FW code changes in the affected SKU's preprogrammed with R9.x firmware nor in the Carrier OEMPRI's, which are already approved for Voice + Data by PTCRB, AT&T, VZW, and T-Mobile.

Below are Sierra/Semtech's recommendations for customers starting new PTCRB certifications:

- **RC7611/RC7611-1 Data Only SKUs disable VoLTE and are preprogrammed with a Data Only IMEI TAC, which is used to differentiate between a Data Only and Data+Voice module.** The Data Only IMEI TAC ranges are as follows.
 - TAC code 35802626 is associated with RC7611 Data Only
 - TAC code 35378158 is associated with RC7611-1 Data Only
- When submitting an end device for PTCRB certification, PTCRB's database will show the RC7611/RC7611-1 as a VoLTE capable device (i.e. the VoLTE selection will be checked). OEMs certifying a data only product will need to have CTIA uncheck this box manually. Please contact Semtech/Sierra Wireless for the information on this process.
- During PTCRB certification, the RC7611/RC7611-1 data only SKUs will be verified that VoLTE is disabled in the end device as part of the PTCRB test requirements.

Effective Dates

SKU Update is targeted to take effective by September 23, 2023

More information

Please contact Semtech/Sierra Wireless technical personnel for any other questions or more information for CTIA personnel (to manually uncheck VoLTE support from new PTCRB submission).