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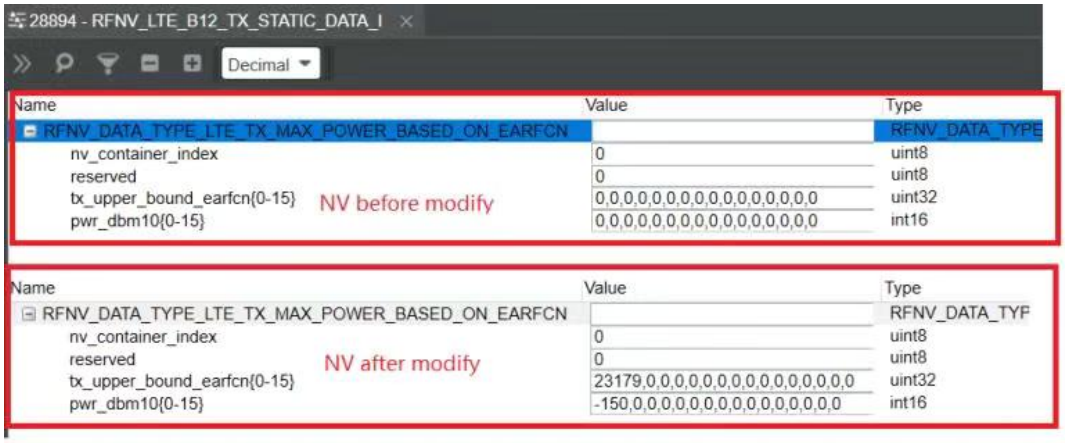
The manufacturer modified RFNV_LTE_TX_MAX_POWER_BASED_ON_EARFCN to solve this problem. The following is a comparison chart before and after this NV modification:




Here is a description of this NV:
RFNV_LTE_TX_MAX_POWER_BASED_ON_EARFCN
NOTE: This section was added to this document revision.
This NV item specifies the absolute maximum power that a phone can transmit based on EARFCN. Only integers are allowed as values. For example, the maximum Tx power can be specified as 23 dBm but not 23.5 dBm.
Example: Assume max Tx power NV allowed is 24 dBm below Tx channel 18190 and 26 dBm above Tx channel 18190 in band 1. Then set TX_EARFCN[0] as 18190 and PWR_DB10 as 240. Also, set TX_EARFCN[1] as 18599 and PWR_DB10 as 260.

NOTE: TX_EARFCN must be mentioned in increasing order.
NOTE: If the last channel in the table is less than the largest allowed channel in the standard, then the last channel is set to the default of 230.

Finally, we modified the 230 in the NV configuration to -150, and the maximum emission power measured at 715.9Mhz was -15dBm, thus solving this problem, thank you