TriQuint's New 2G 3G 4G Base Station RF Filters Lower Insertion Loss, Handle More Power

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New BTS RF SAWs Simplify RF Design in Advanced LTE & WCDMA Networks

TriQuint Semiconductor has released three new RF SAW filters that can cost-effectively improve performance in 3G / 4G network infrastructure and legacy system applications.

TriQuint is focused on bringing performance innovation to the essential building blocks of global networks. These networks are fraught with mobile data traffic demand and continued double-digit growth is expected. In the first five weeks of 2016 the volume of mobile data traffic is expected to surpass the total data that wireless networks carried in all of 2011.* While mobile data traffic volume increases, so does the need for highly-efficient networks that can support the broadband designs typical of advanced WCDMA, LTE, TD-SCDMA and multimode systems.

TriQuint product solutions are focused on the needs of base station manufacturers that are challenged to add capacity while improving performance in a variety of system architectures. TriQuint’s 856934 [1], for Band 3 at 1842.5 MHz, provides 75 MHz bandwidth, a maximum 4.2dB insertion loss and attenuation of 20dB at 1785 MHz. Our new 857019 [2], for an extended Band 5 at 835 MHz, offers 30 MHz bandwidth, a maximum 3.0dB insertion loss and attenuation of 20dB at 869 MHz. The 856977 [3], for Bands 13 and 14 at 787.5 MHz, delivers 22 MHz bandwidth, a maximum 2.75dB insertion loss and attenuation of 40dB at 843 MHz.

TriQuint’s three new RF SAW filters are in production. Samples and evaluation boards are available.

For more information, please visit www.triquint.com [4].

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Links:
[1] http://www.triquint.com/products/p/856934
[2] http://www.triquint.com/products/p/857019
[3] http://www.triquint.com/products/p/856977
[4] http://www.triquint.com