Tim Kelley
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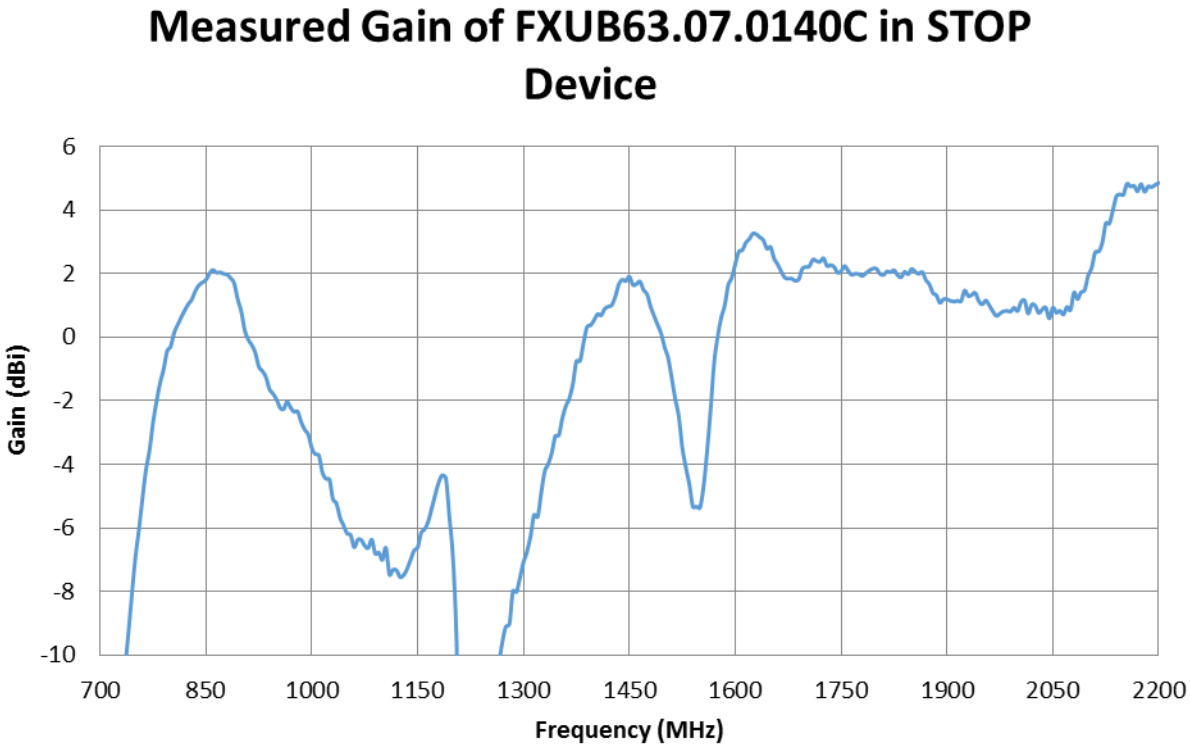
To Whom It May Concern,

The gain of the FXUB63.07.0140C when integrated into the STOP device is well within the gain limits of the Gemalto grant (3.92 dBi at 850 MHz, 2.51 dBi at 1900 MHz). The measured gain of the antenna is less than 2.1 dBi in both bands when integrated into the device and is shown below:



This gain was measured in a calibrated anechoic chamber that complies with all standards set forth in the CTIA OTA test plan.

The listed gain on the datasheet of the FXUB63.07.0150C is for the antenna by itself in a perfect environment. This implementation has a custom cable length (140mm) and is fully integrated into the product. In this environment, the gain of the antenna is reduced to well below the limits of the Gemalto grant.

Sincerely,
Tim Kelley
Staff Antenna Engineer
Taoglas USA, Inc