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High permittivity, low loss microwave dielectrics suitable for 5G resonator and low temperature co-fired ceramic architecture

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Supplemental Information

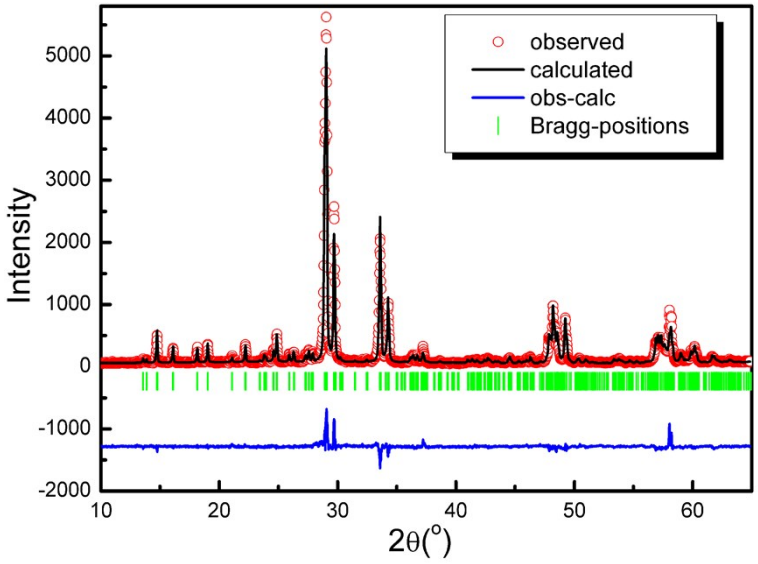

Figure S1. The experimental (circles) and simulated (line) XRD patterns of the $Bi_2(Li_{0.5}Ta_{1.5})O_7$ composition sintered at 1025 °C using space group C 1 2/c 1 (15) (R_p = 15.2 %, R_{wp} = 16.6 %, R_{exp} = 11.3 %) (b) (The short vertical lines represent Bragg reflection positions. The continuous line at the bottom shows the difference between experimental and simulated intensity)

Fig. S1 shows the experimental (circles) and simulated (line) XRD patterns of the $Bi_2(Li_{0.5}Ta_{1.5})O_7$ composition sintered at 1025 °C using space group C 1 2/c 1 (15) (R_p = 15.2 %, R_{wp} = 16.6 %, R_{exp} = 11.3 %). Cell parameters were calculated as a=13.043 Å, b=7.595 Å, c=12.268 Å and beta angle=101.425 degree.