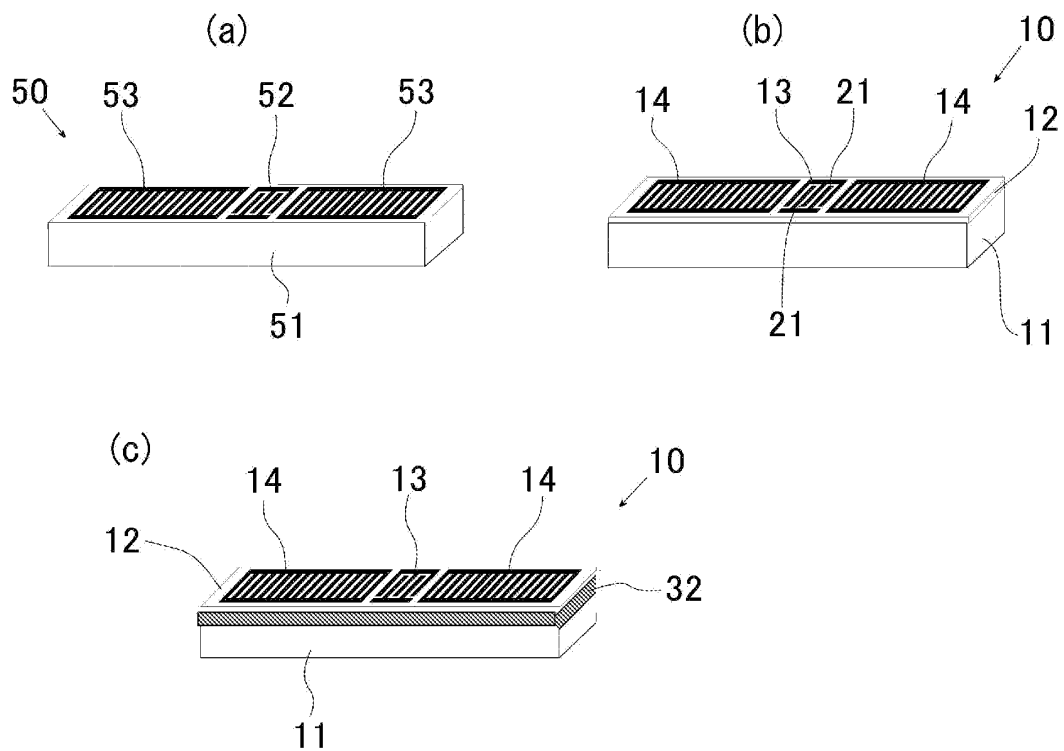
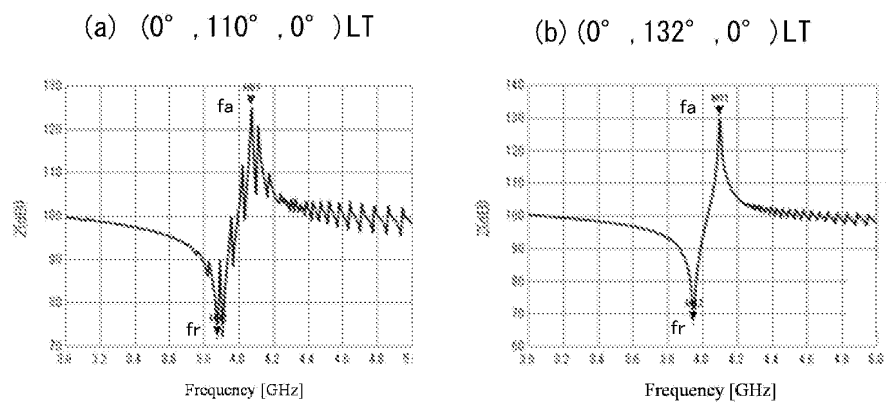


[図1]

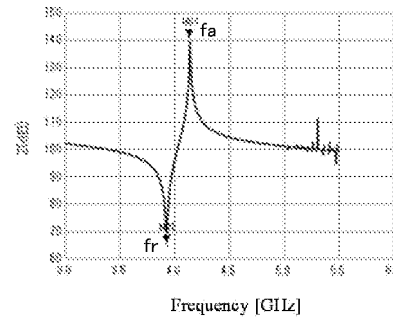
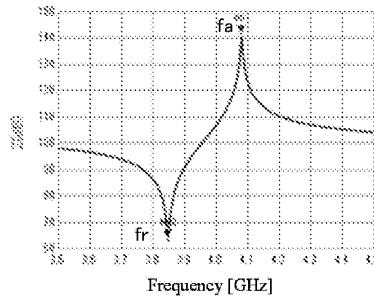


[図2]



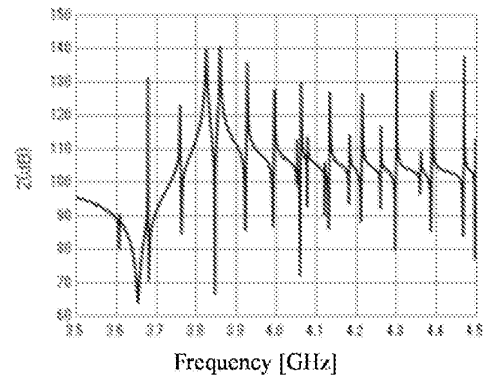
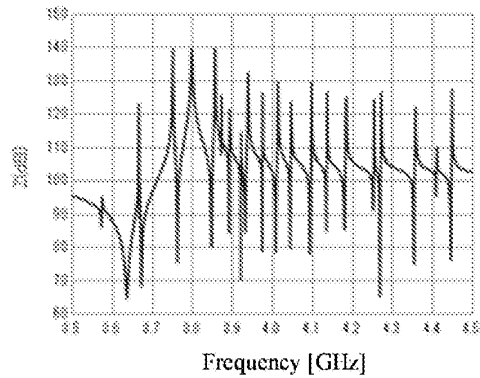
[図3]

(a) $(0^\circ, 110^\circ, 0^\circ)$ LT/ $(0^\circ, 130^\circ, 90^\circ)$ 水晶 (b) $(0^\circ, 120^\circ, 0^\circ)$ LT/ $(0^\circ, 130^\circ, 0^\circ)$ 水晶

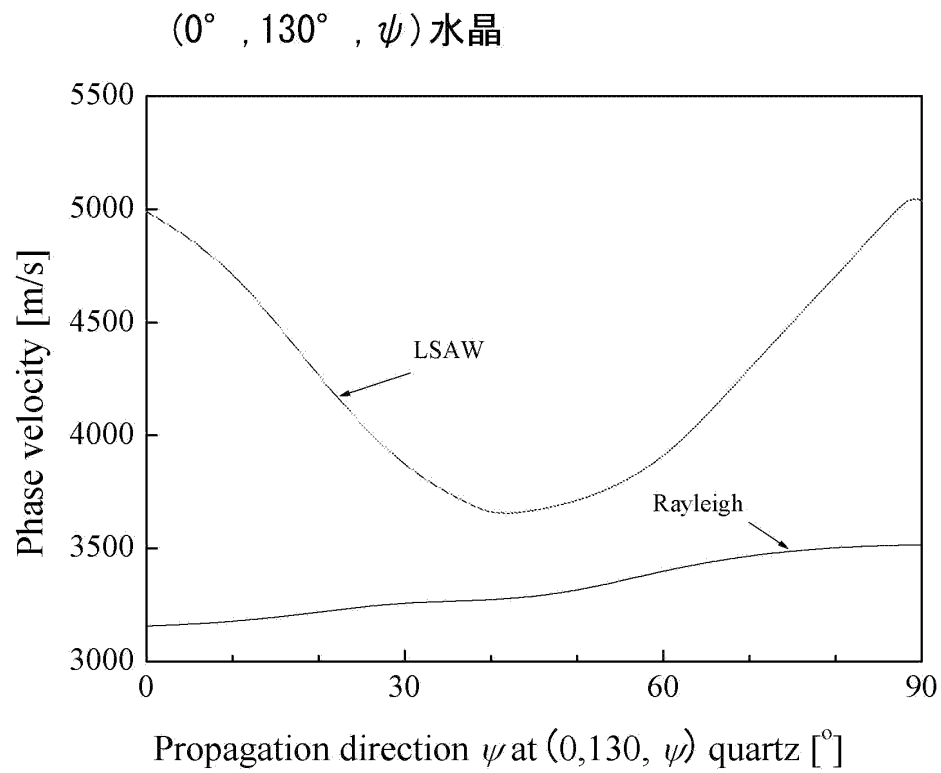


[図4]

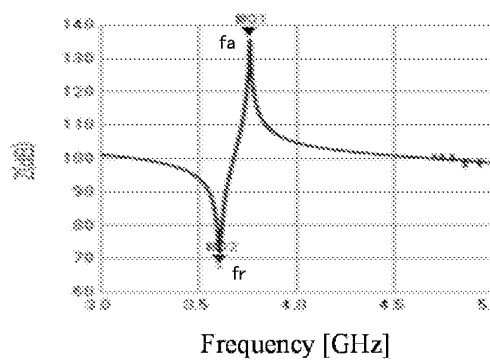
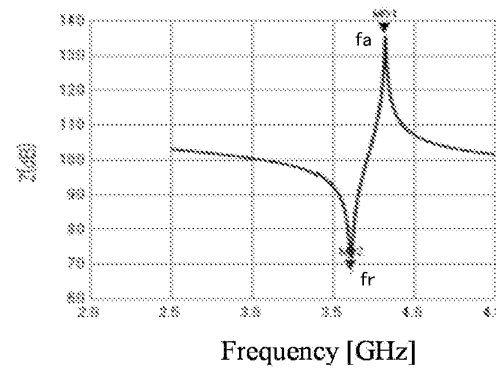
(a) $(0^\circ, 110^\circ, 0^\circ)$ LT/ $(0^\circ, 130^\circ, 30^\circ)$ 水晶 (b) $(0^\circ, 110^\circ, 0^\circ)$ LT/ $(0^\circ, 130^\circ, 60^\circ)$ 水晶



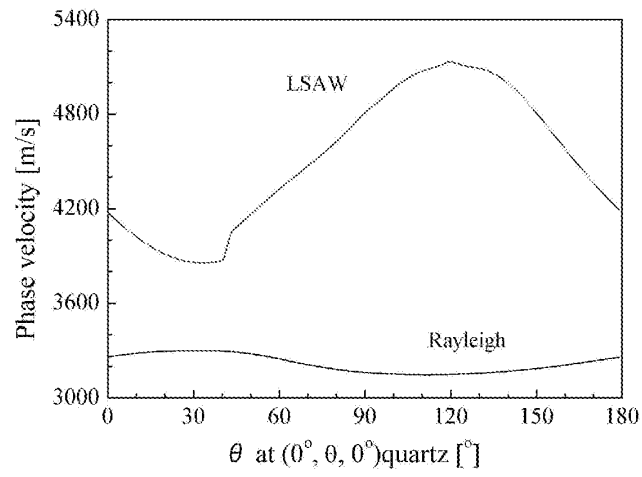
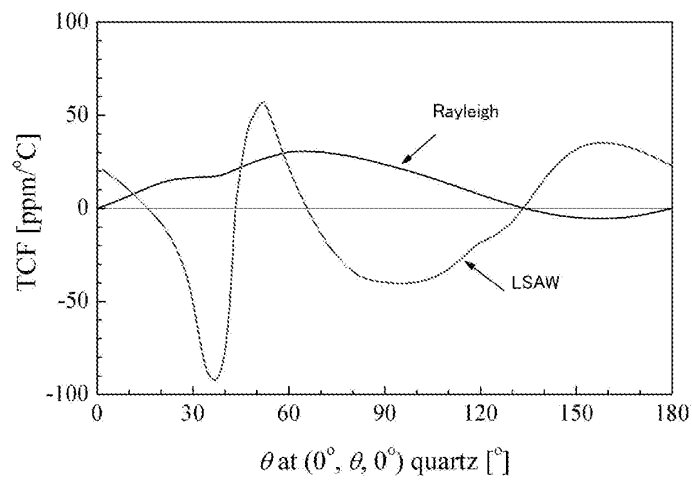
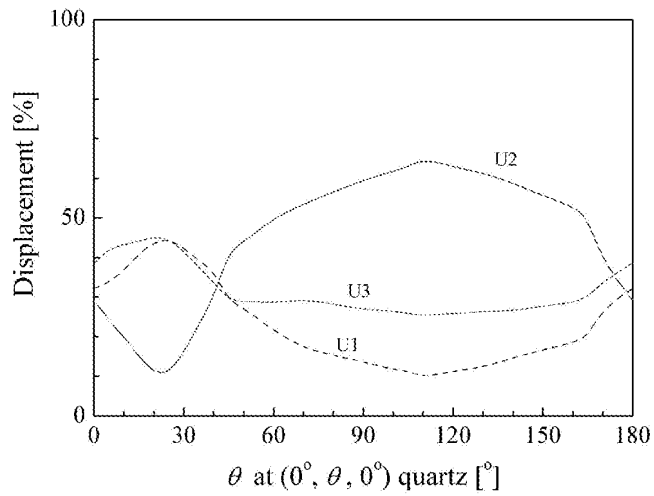
[図5]



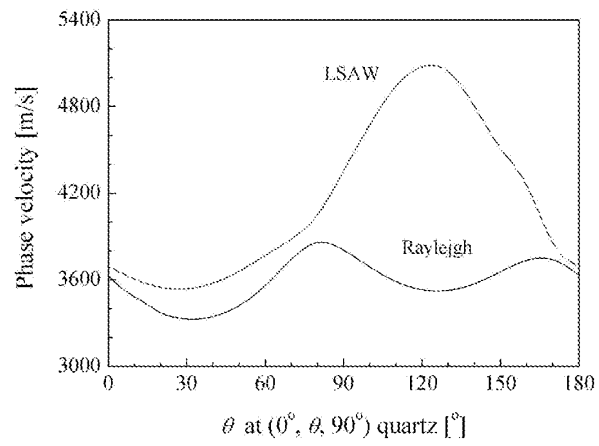
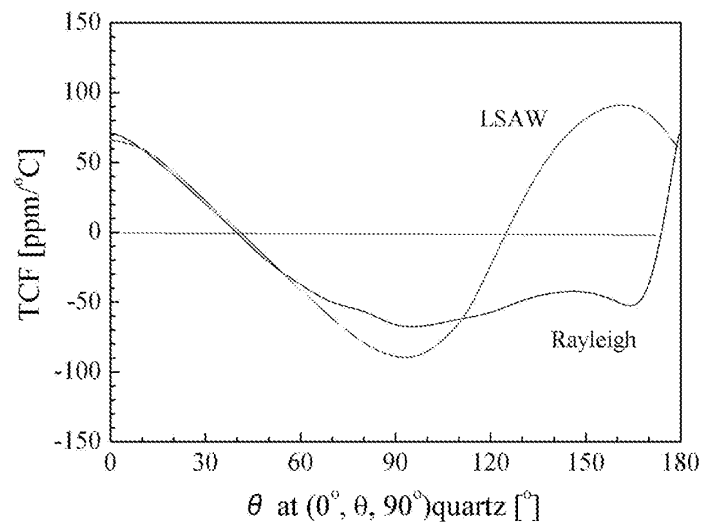
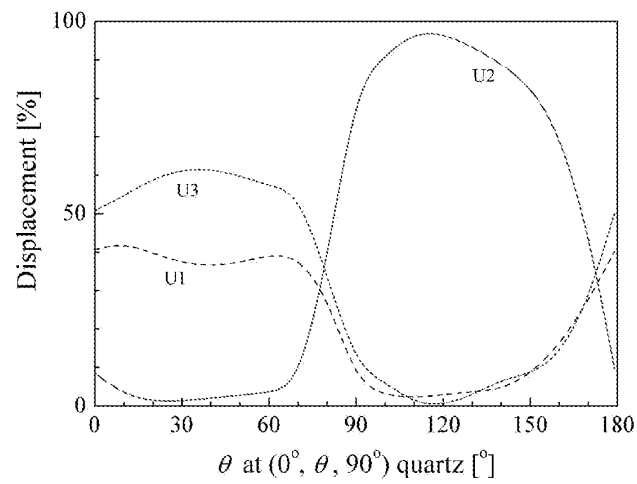
[図6]

(a) (0° , 132° , 0°) LT/(110) Si 基板(b) (0° , 132° , 0°) LT/cサファイア基板

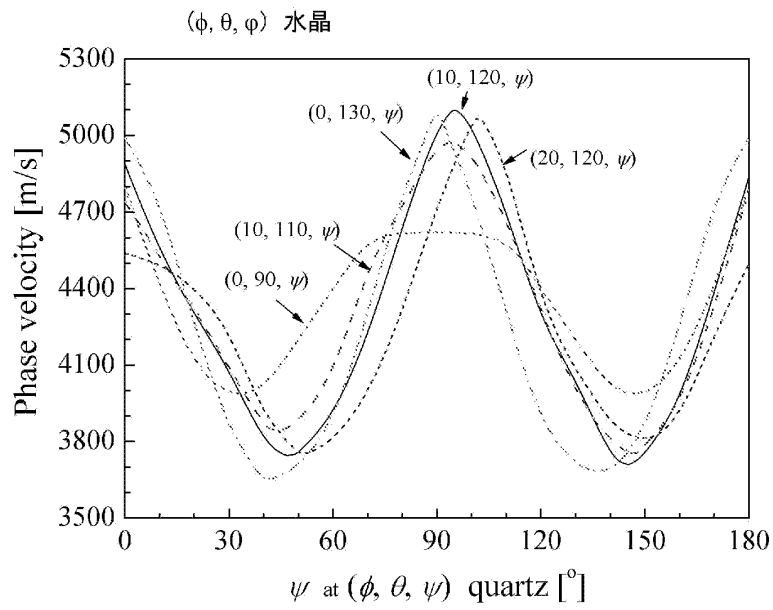
[図7]

(a) $(0^\circ, \theta, 0^\circ)$ 水晶(b) $(0^\circ, \theta, 0^\circ)$ 水晶(c) $(0^\circ, \theta, 0^\circ)$ 水晶

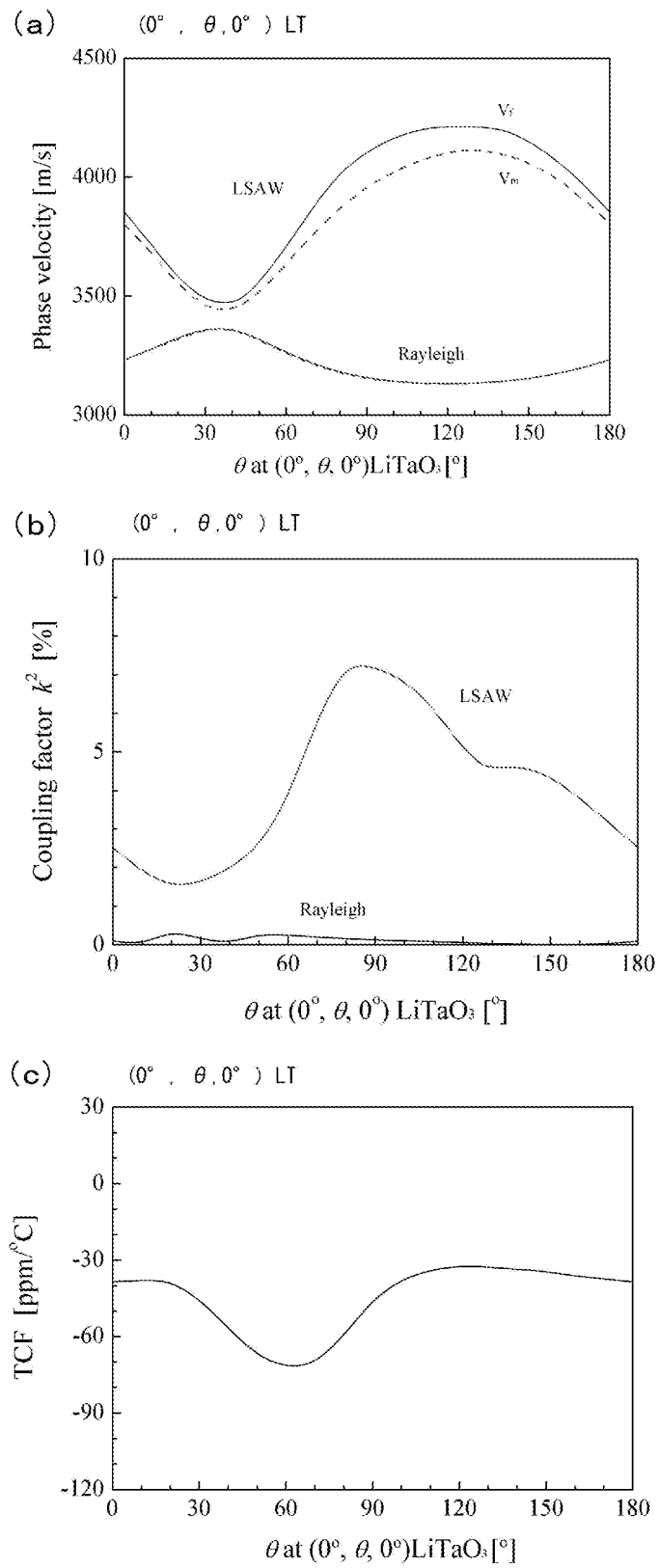
[図8]

(a) $(0^\circ, \theta, 90^\circ)$ 水晶(b) $(0^\circ, \theta, 90^\circ)$ 水晶(c) $(0^\circ, \theta, 90^\circ)$ 水晶

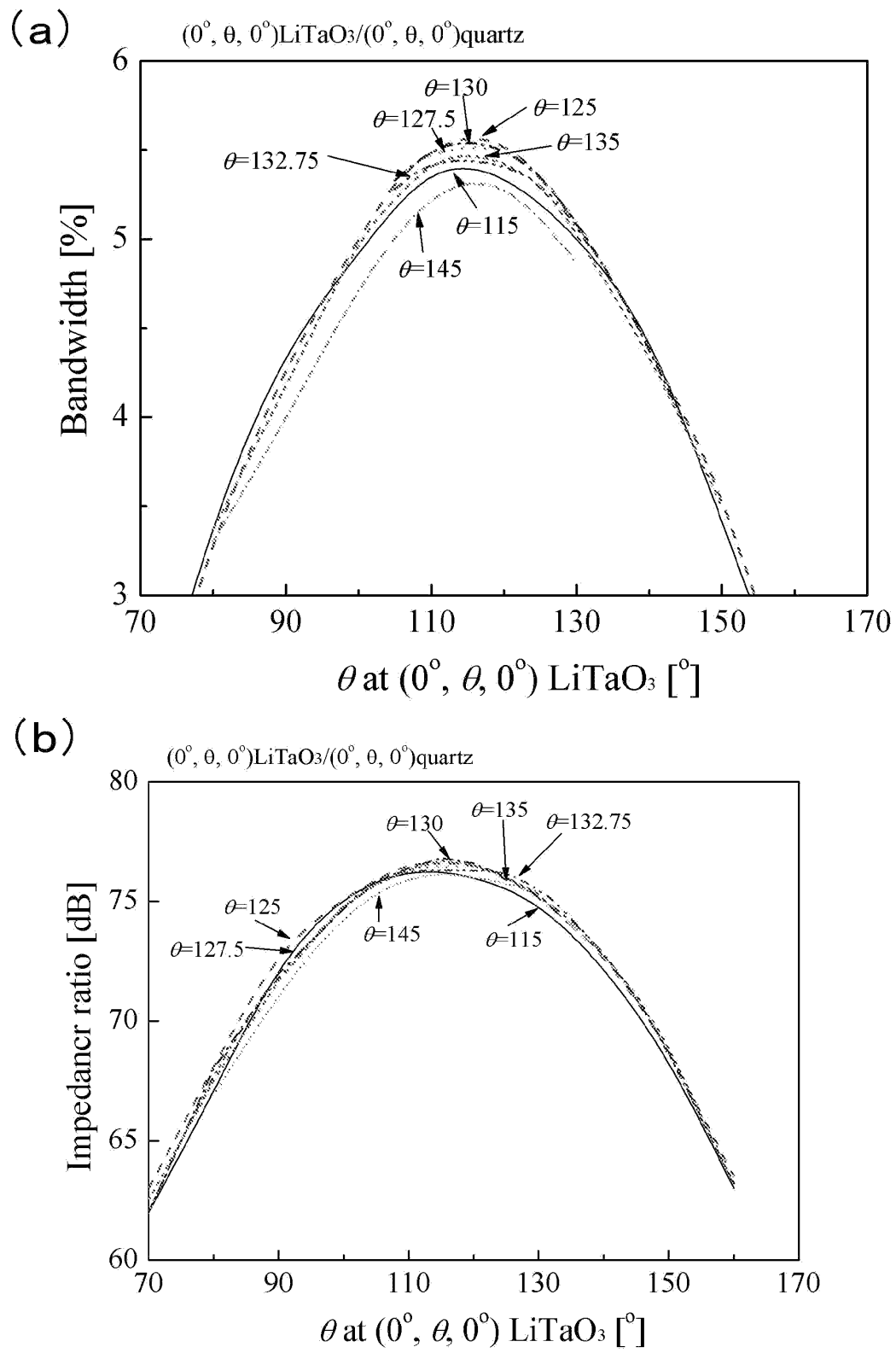
[図9]



[図10]

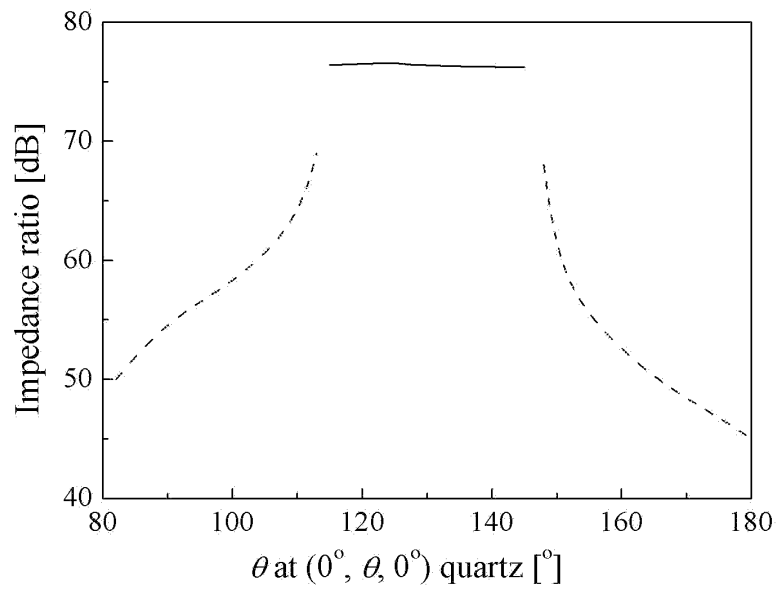


[図11]

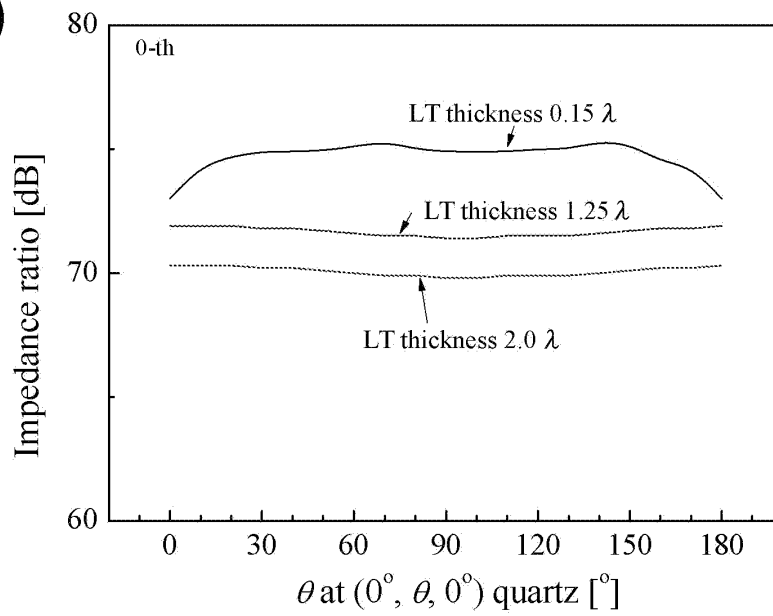


[図12]

(a)

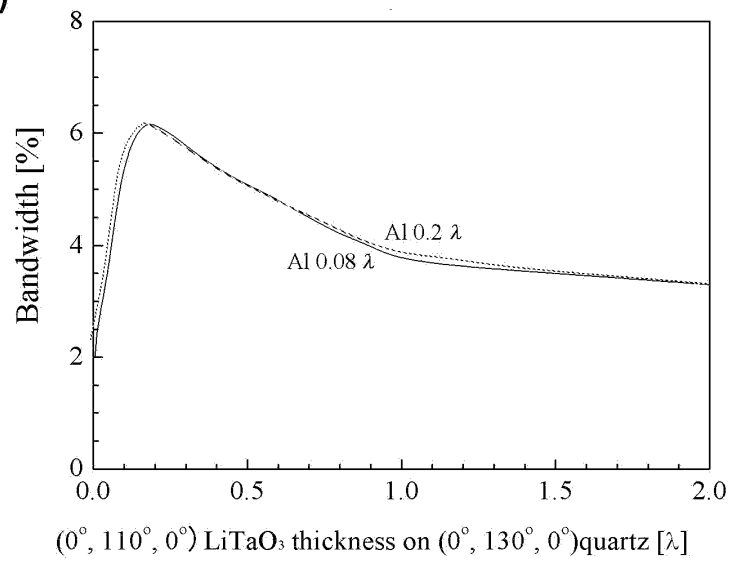


(b)

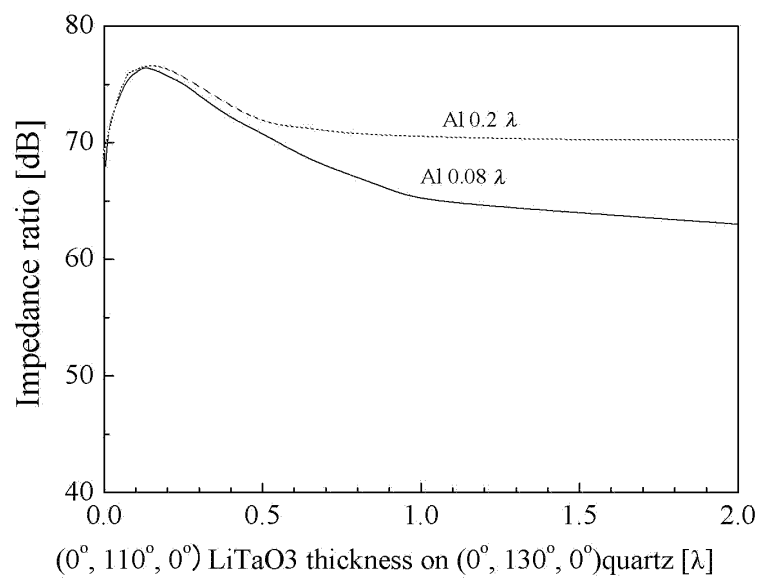


[図13]

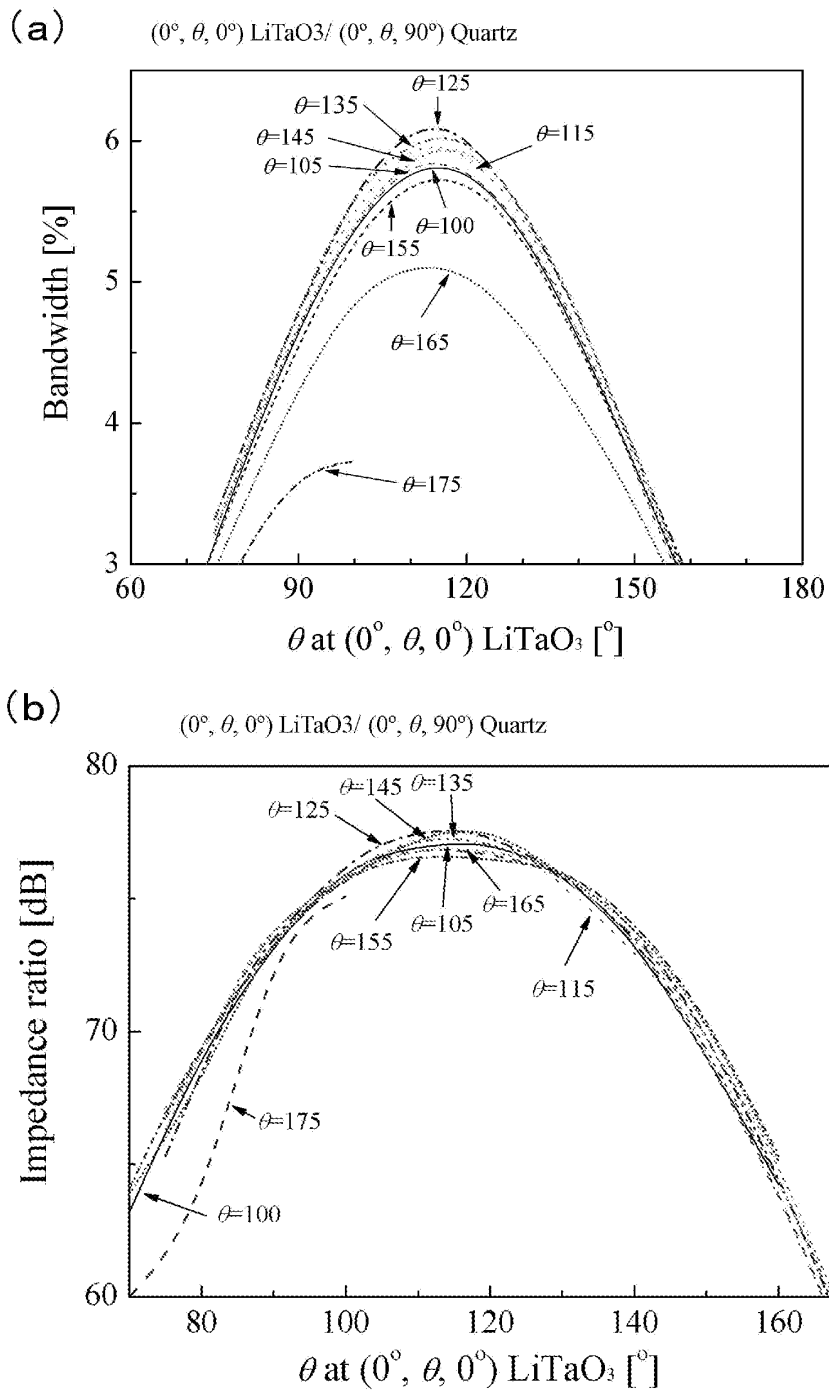
(a)



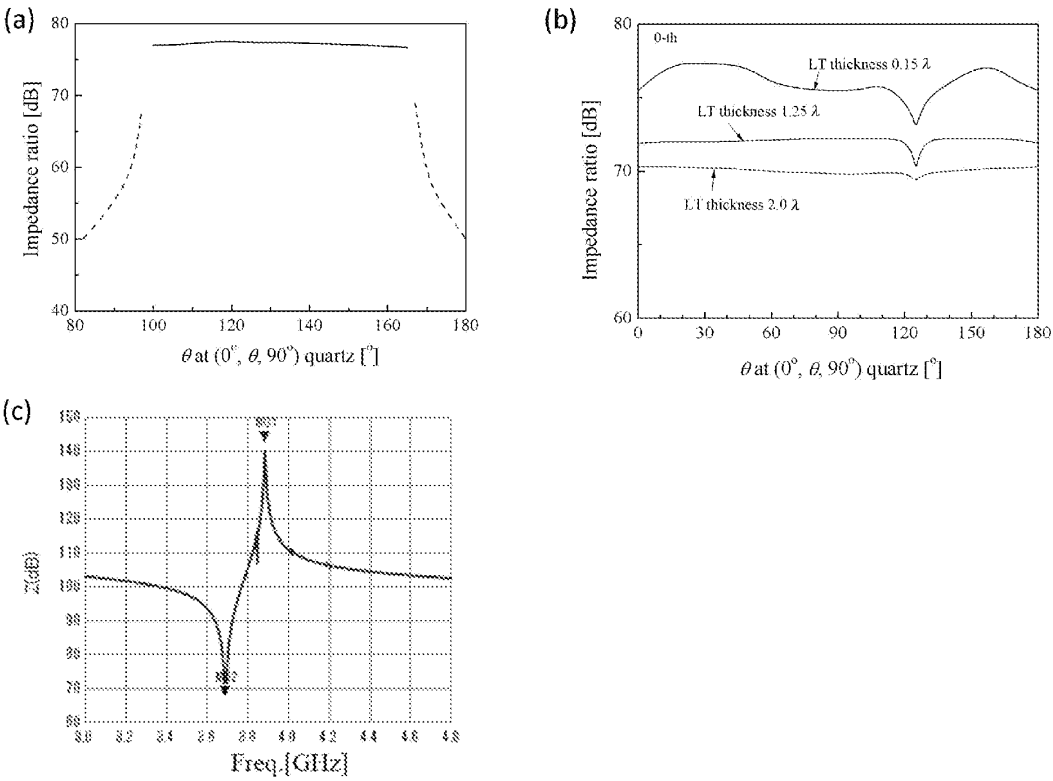
(b)



[図14]

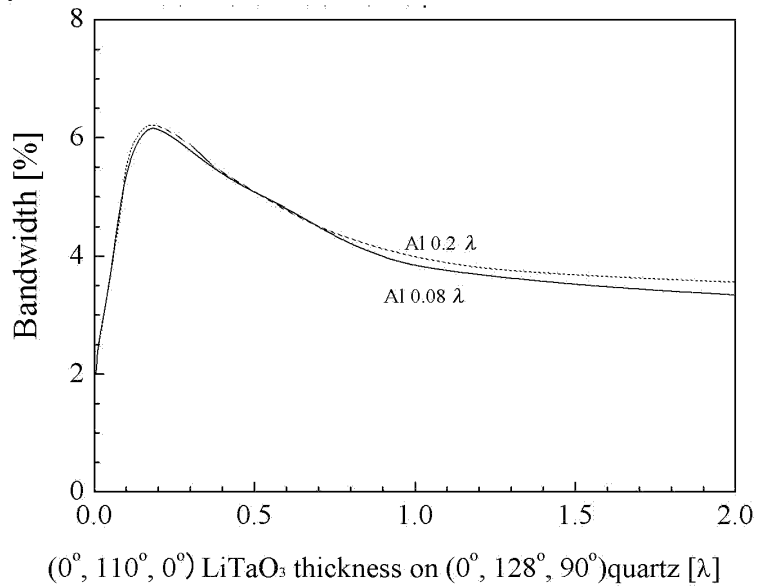


[図15]

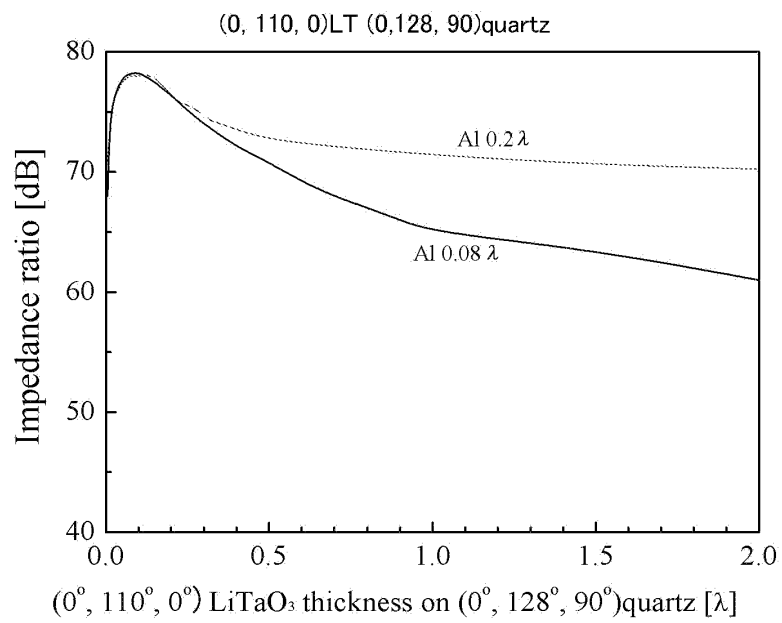


[図16]

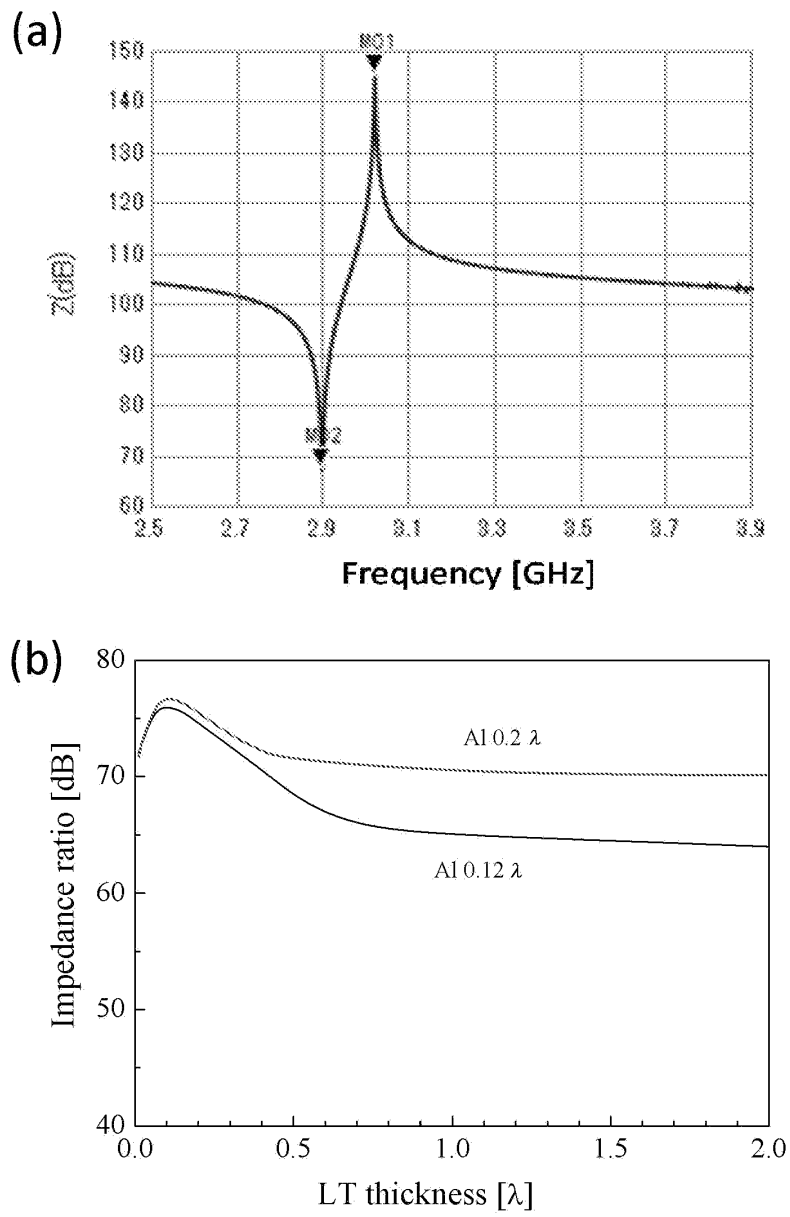
(a)



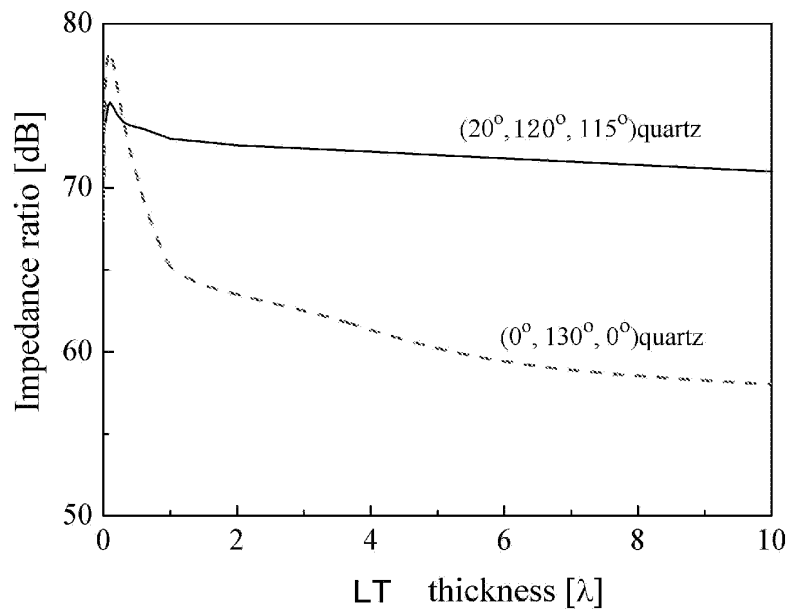
(b)



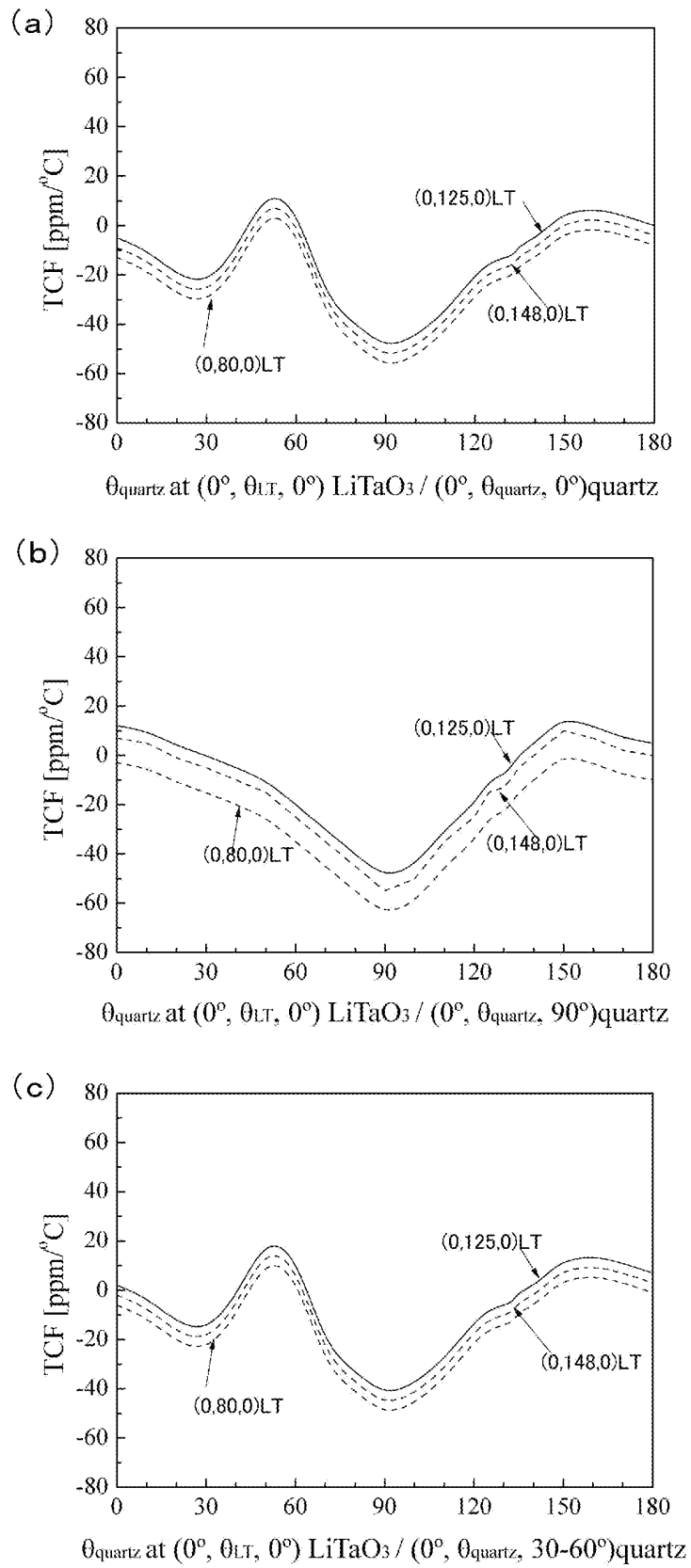
[図17]



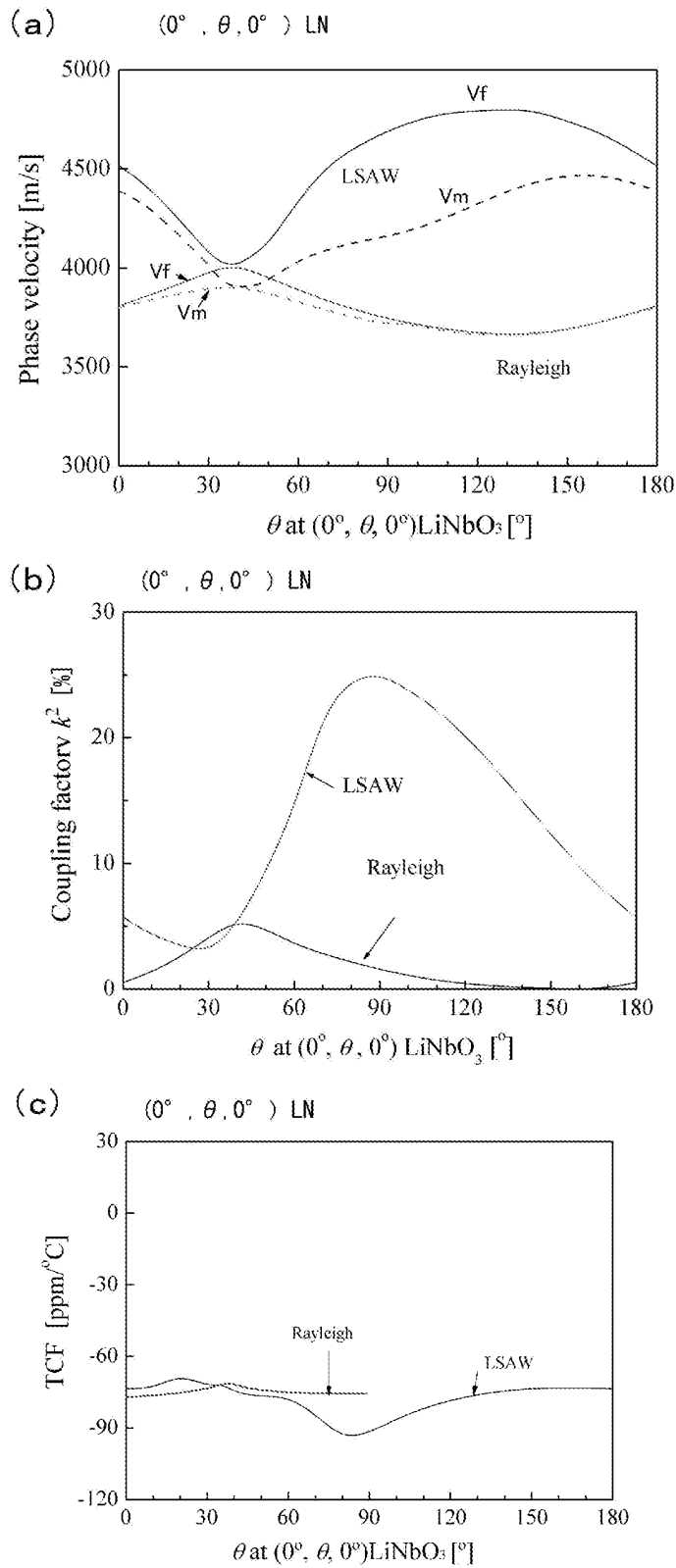
[図18]



[図19]

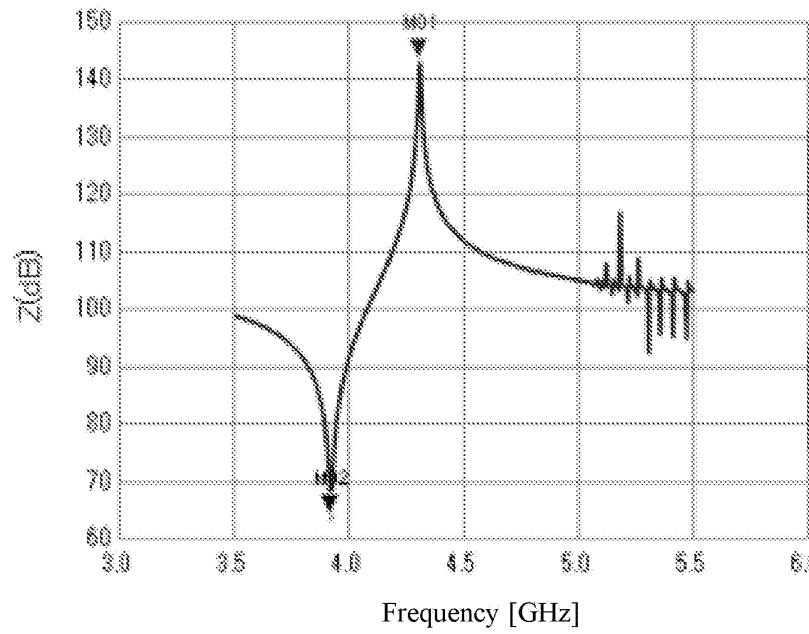


[図20]



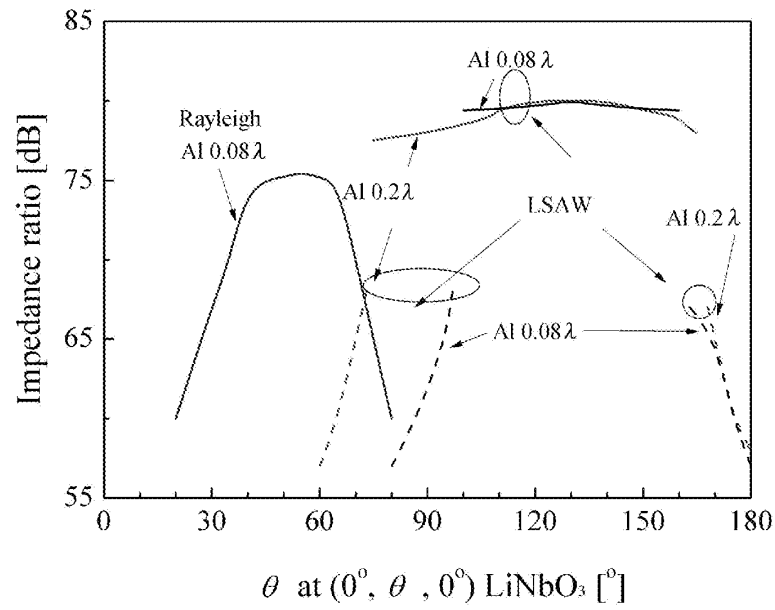
[図21]

$(0^\circ, 131^\circ, 0^\circ)$ LN / $(0^\circ, 115^\circ, 90^\circ)$ 水晶

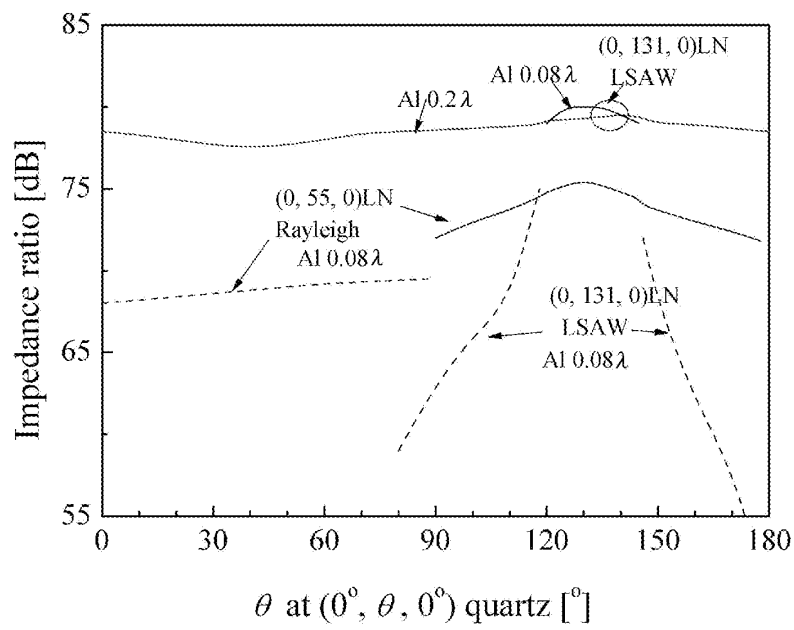


[図22]

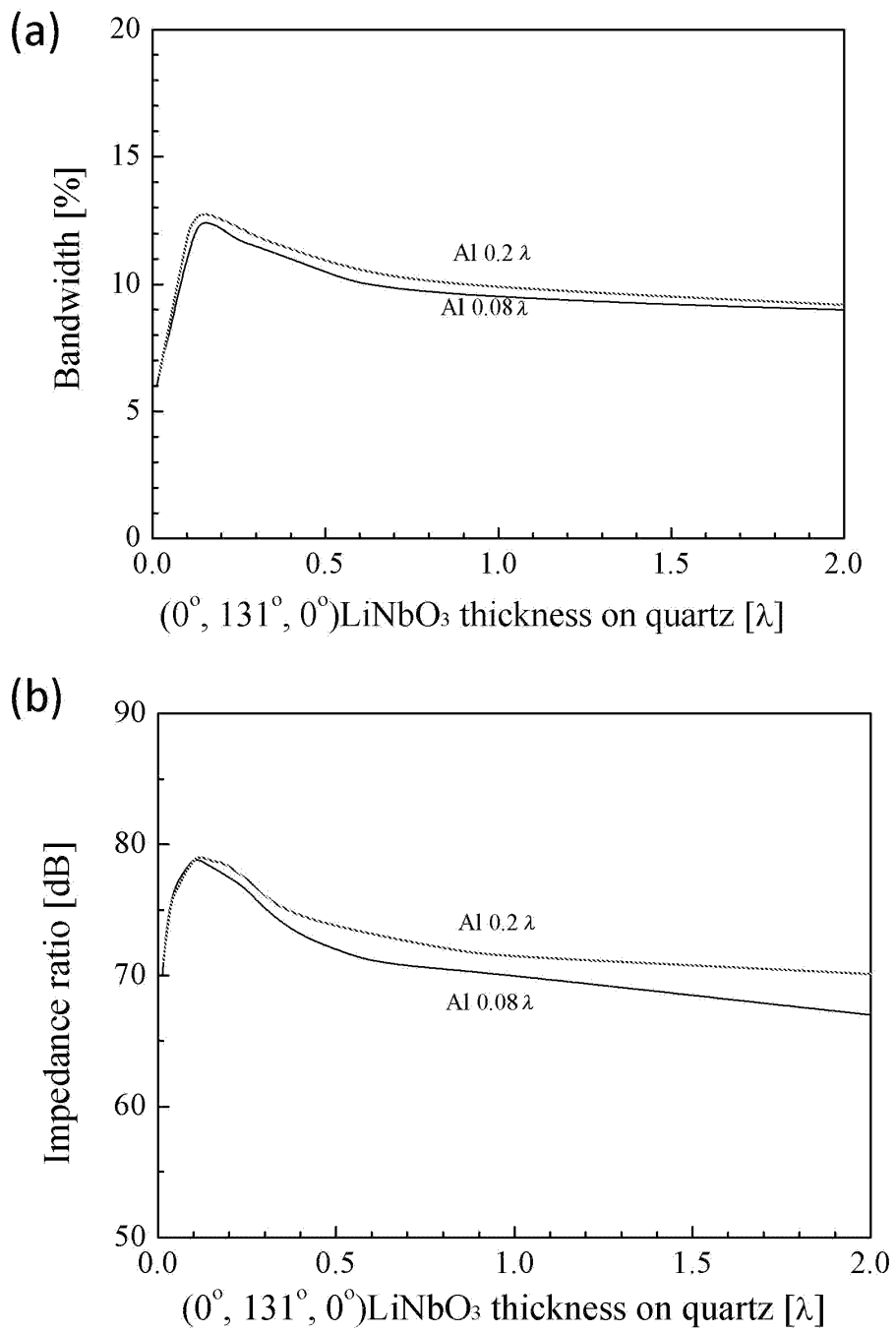
(a)



(b)

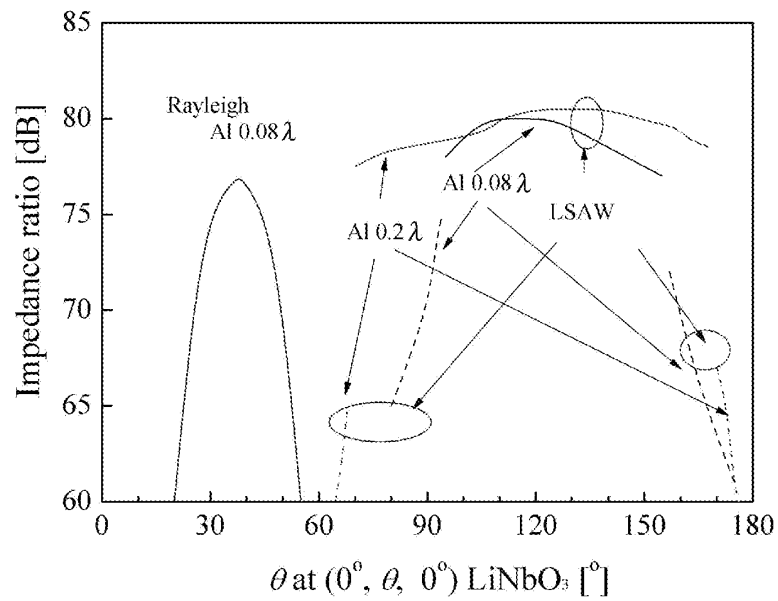


[図23]

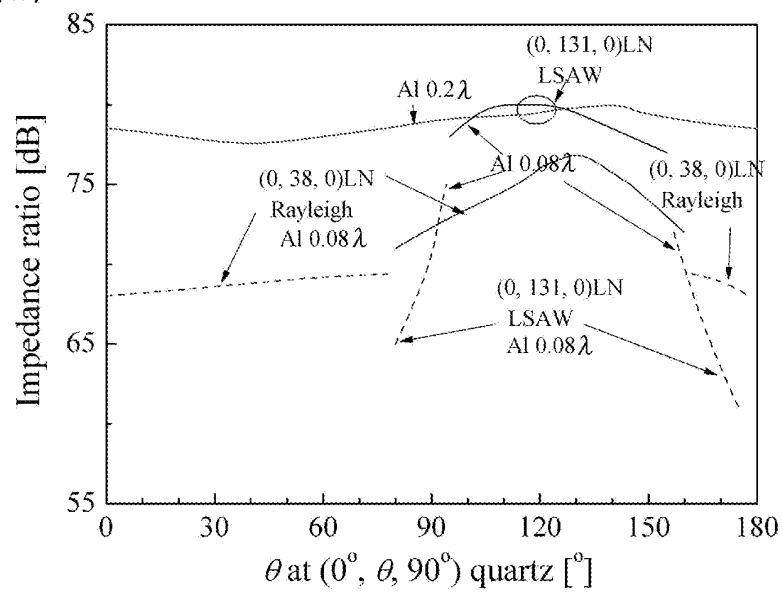


[図24]

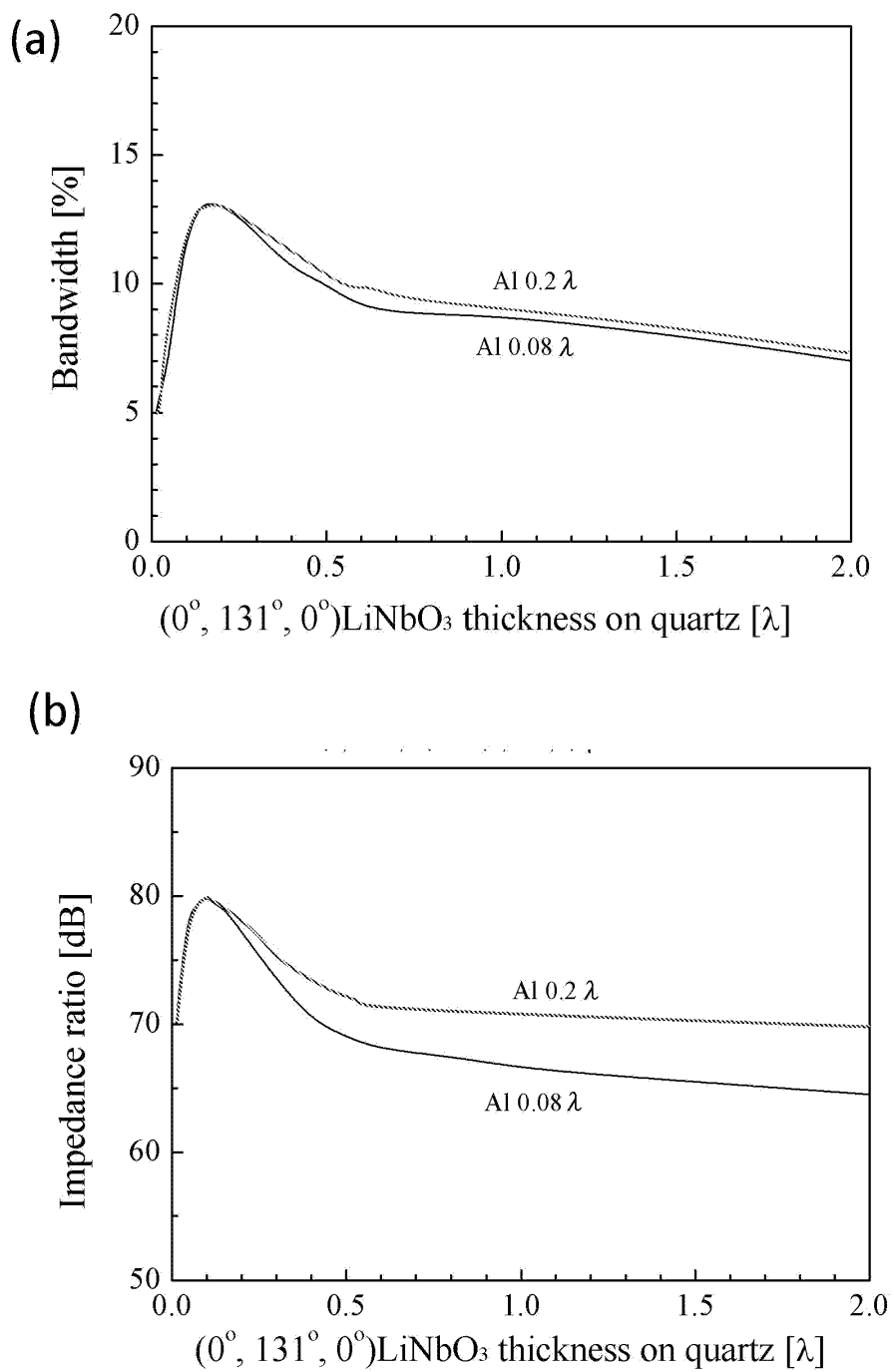
(a)



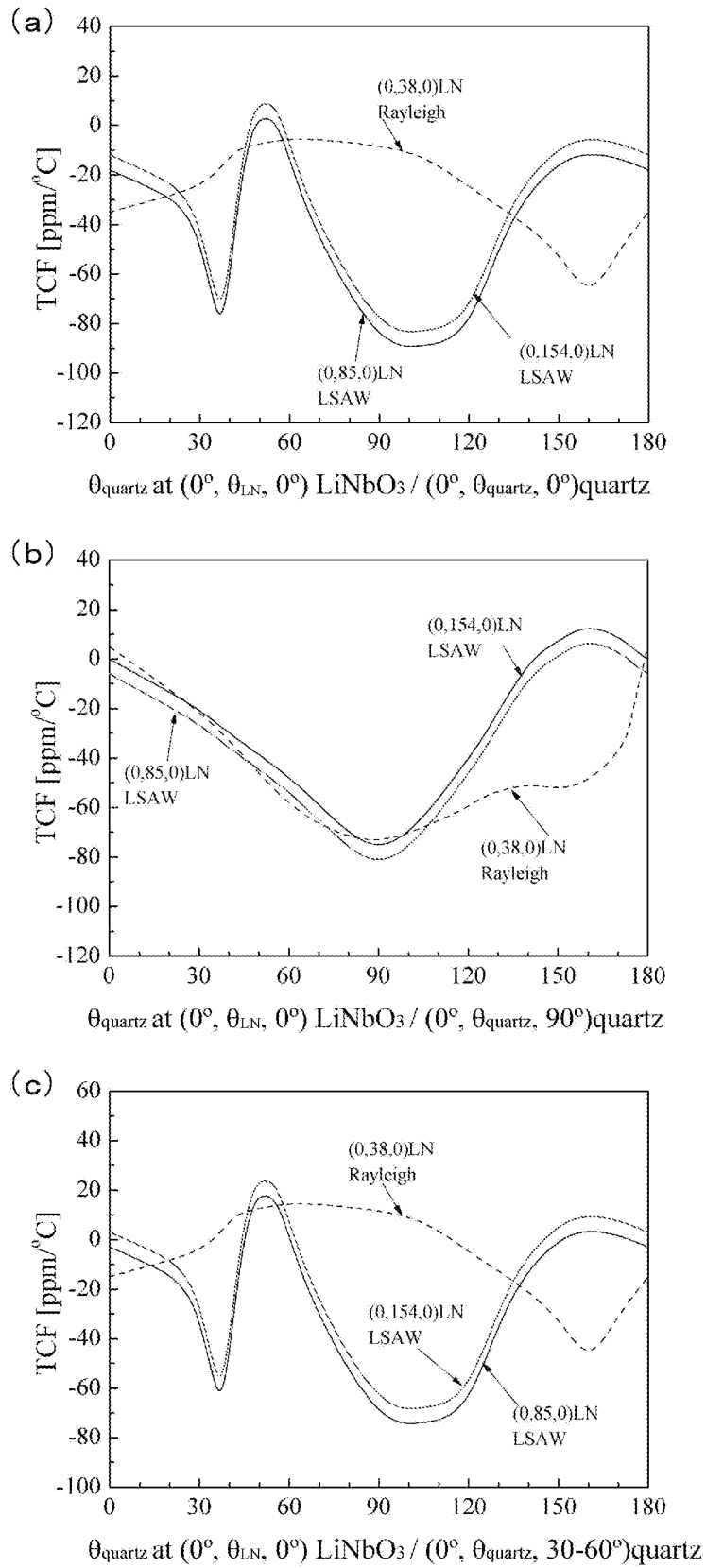
(b)



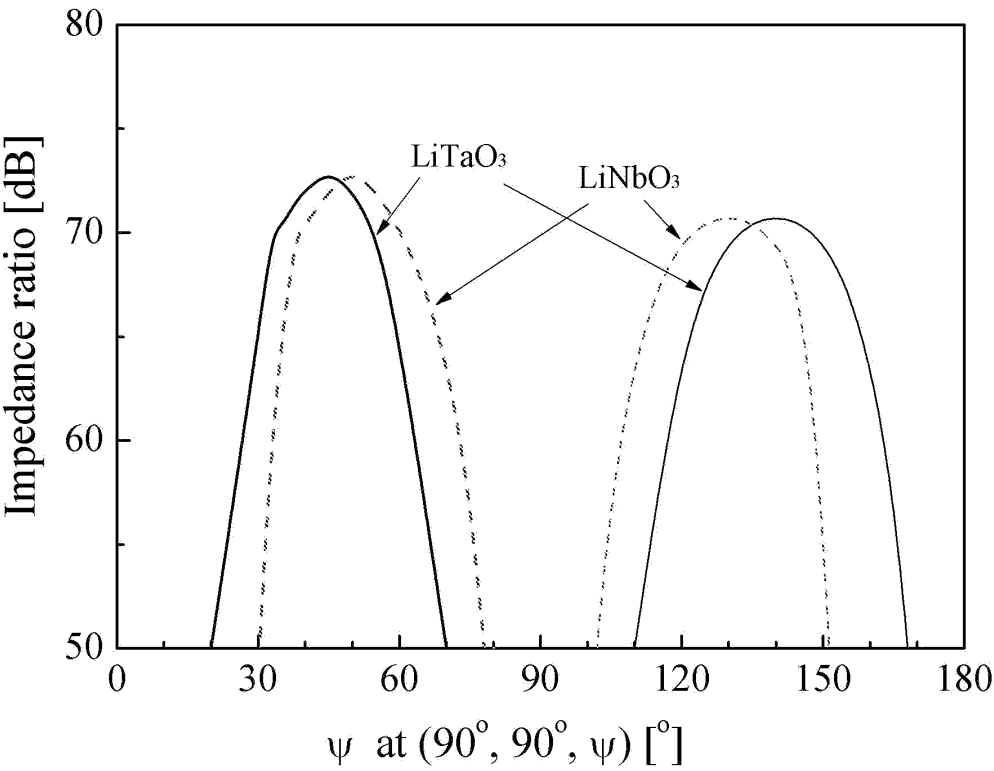
[図25]



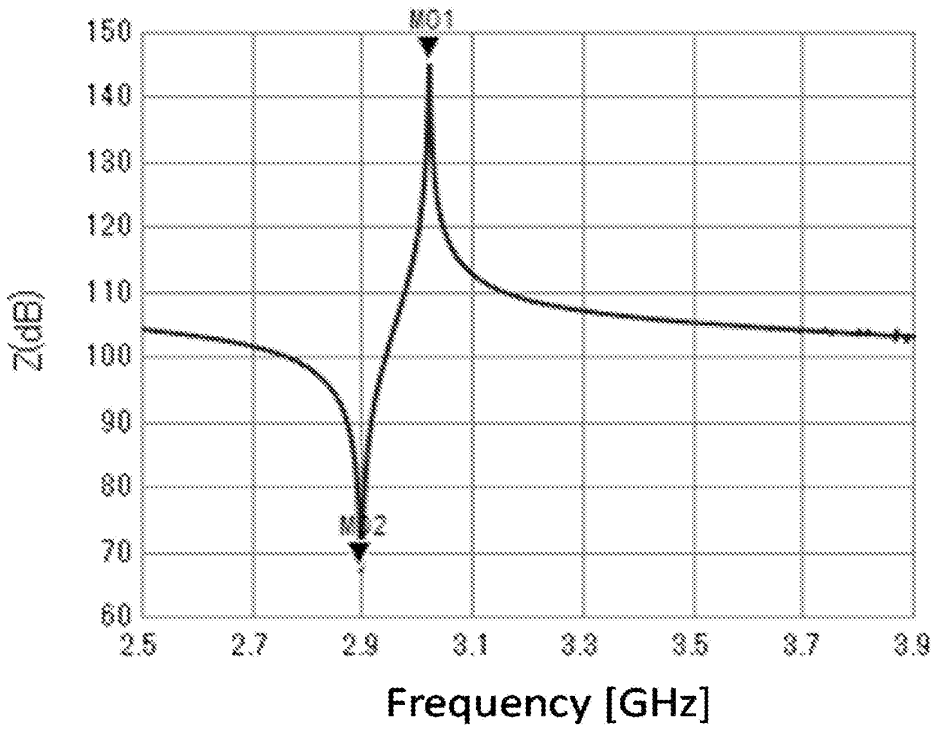
[図26]



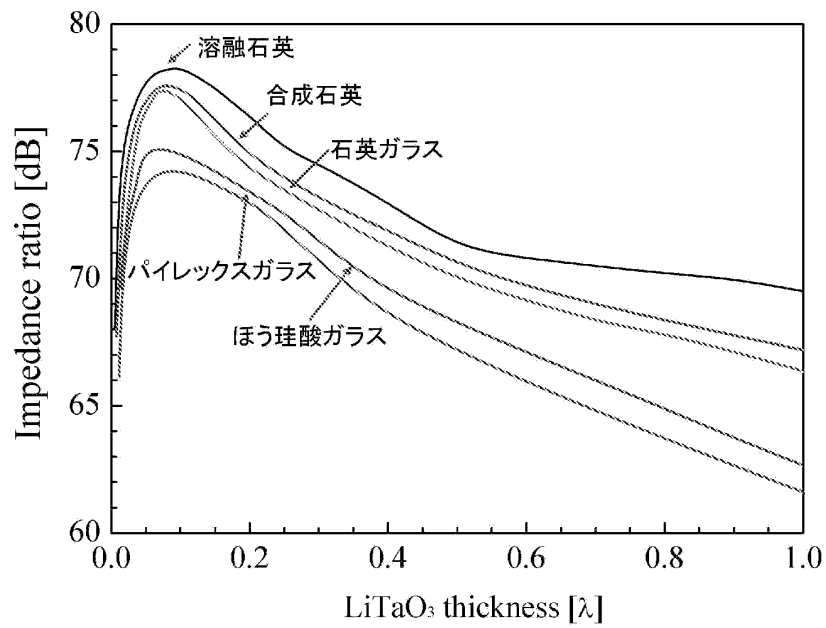
[図27]



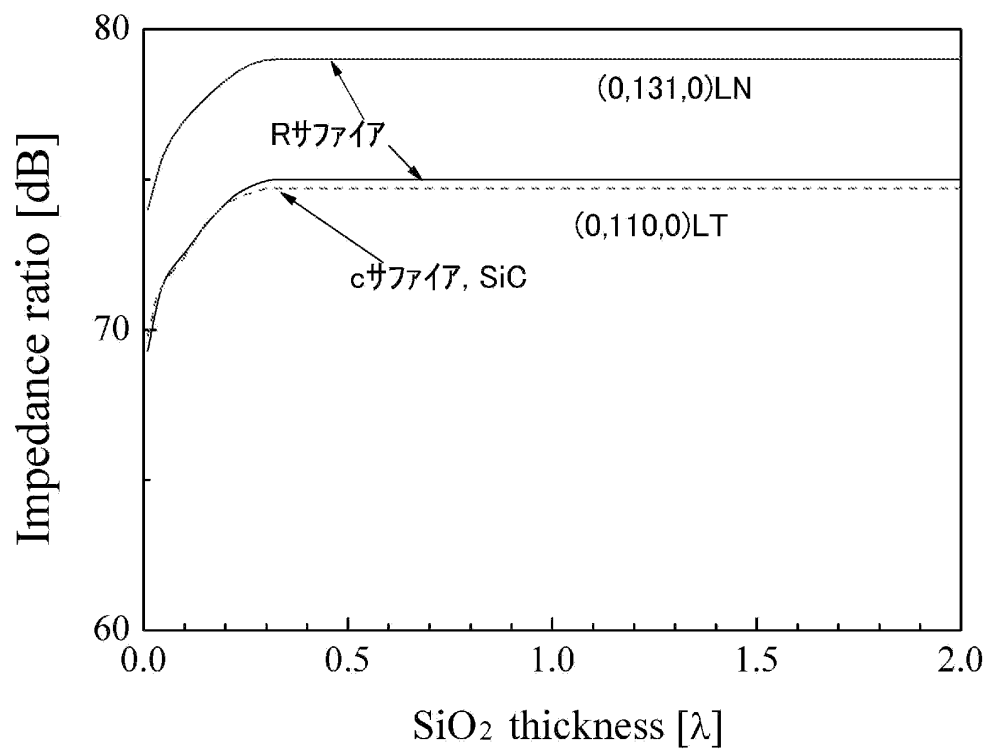
[図28]



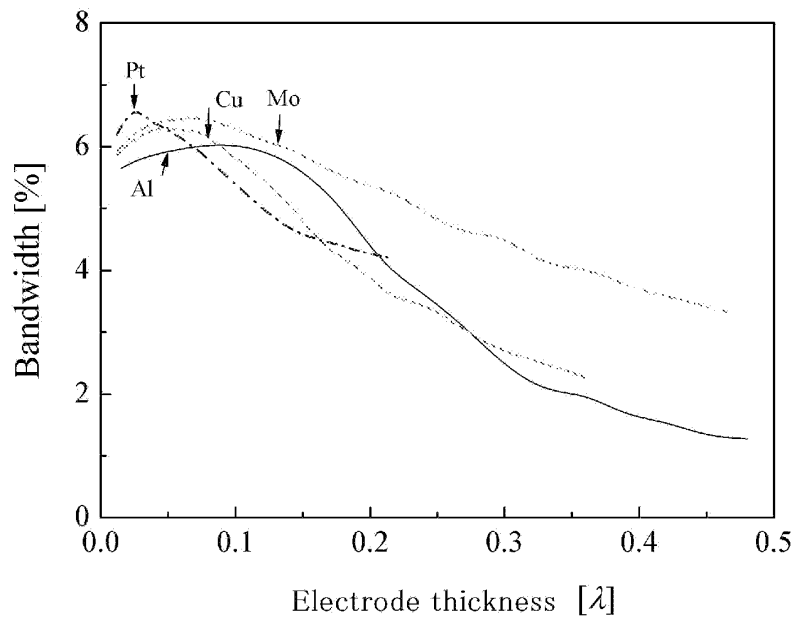
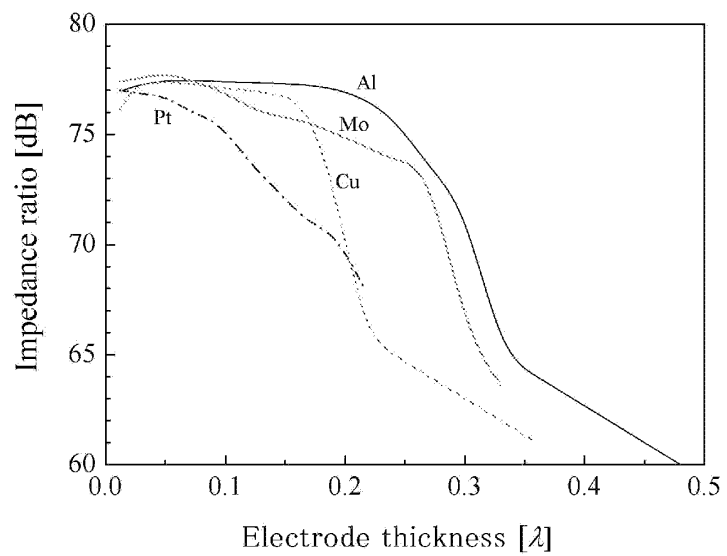
[図29]



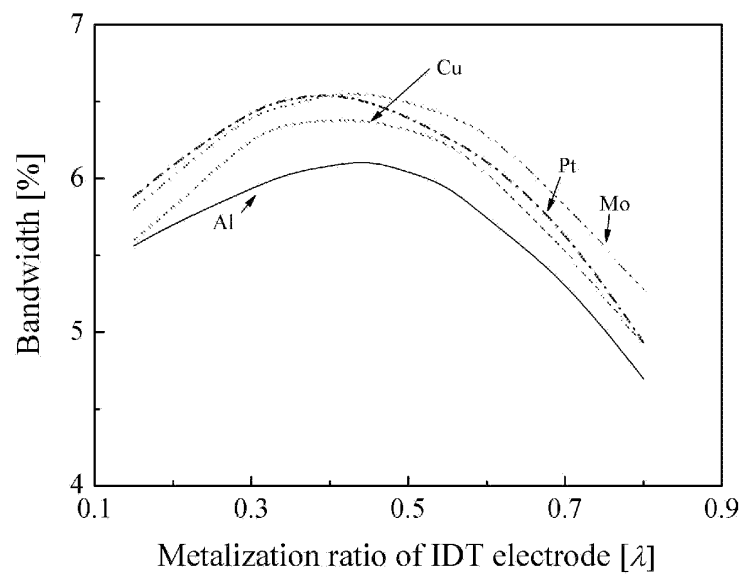
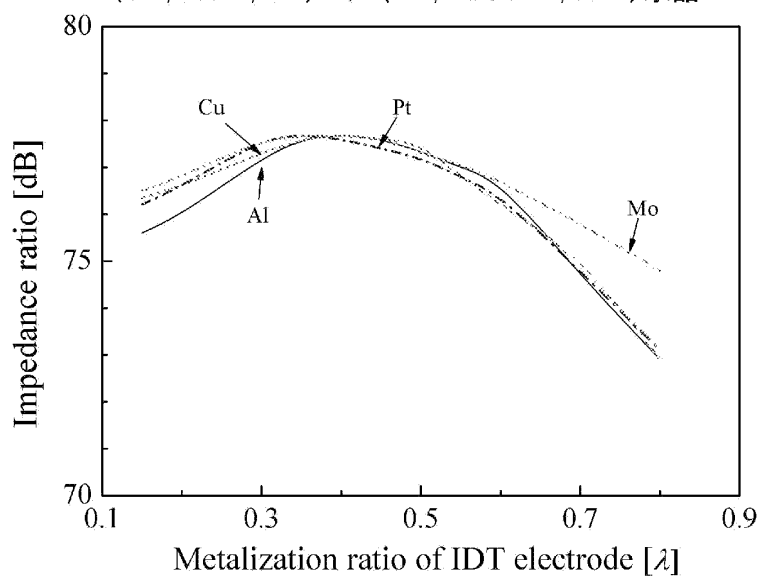
[図30]



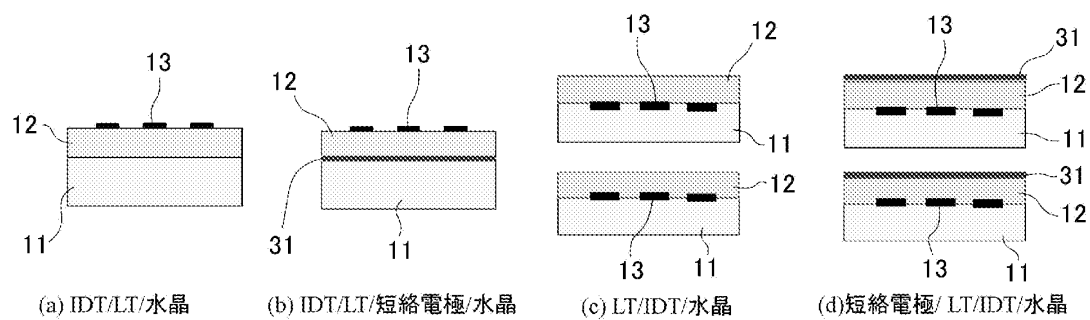
[図31]

(a) $(0^\circ, 110^\circ, 0^\circ)$ LT / $(0^\circ, 132.75^\circ, 90^\circ)$ 水晶(b) $(0^\circ, 110^\circ, 0^\circ)$ LT / $(0^\circ, 132.75^\circ, 90^\circ)$ 水晶

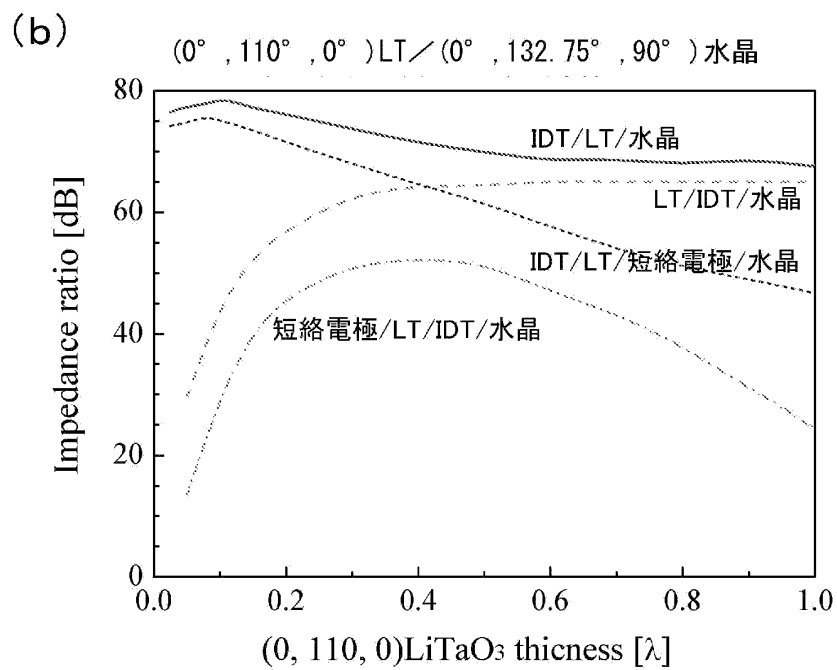
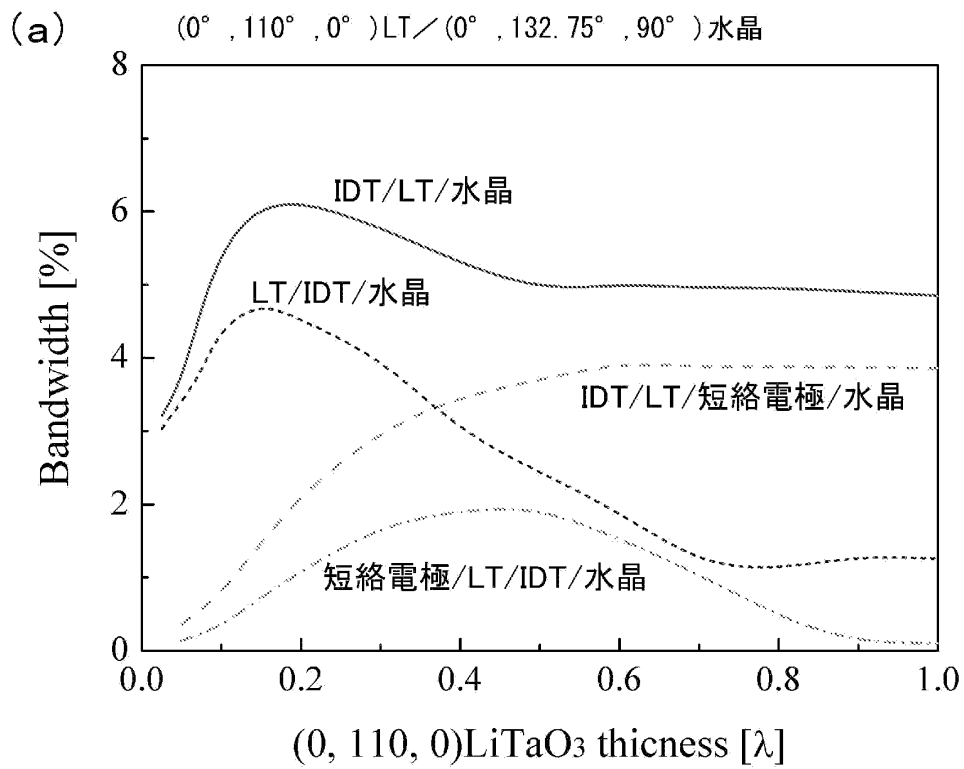
[図32]

(a) $(0^\circ, 110^\circ, 0^\circ)$ LT / $(0^\circ, 132.75^\circ, 90^\circ)$ 水晶(b) $(0^\circ, 110^\circ, 0^\circ)$ LT / $(0^\circ, 132.75^\circ, 90^\circ)$ 水晶

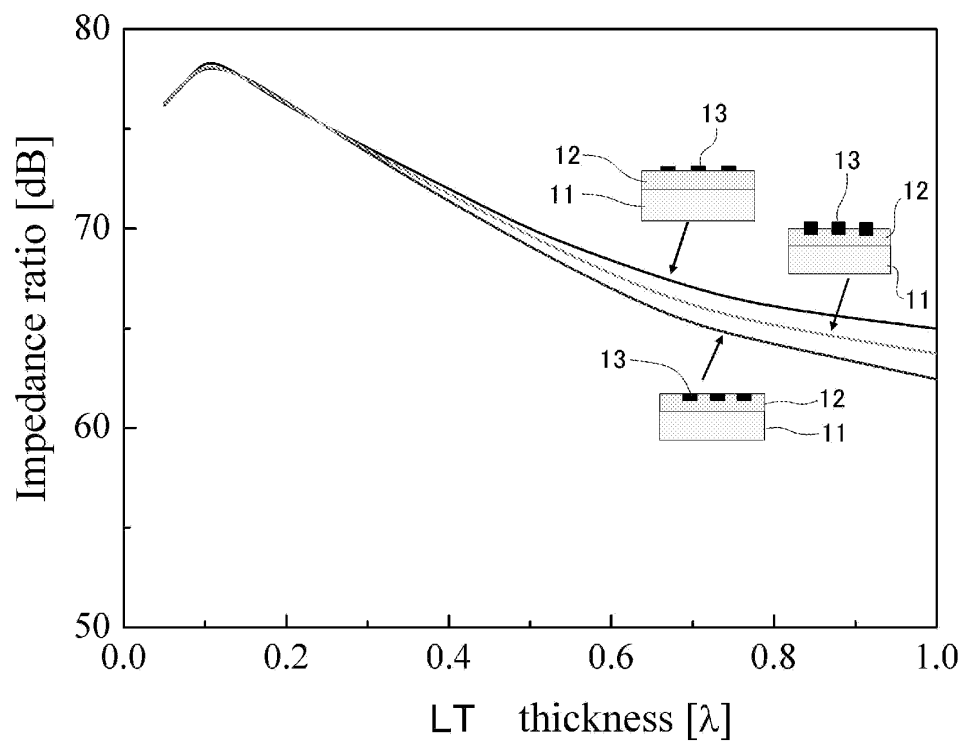
[図33]



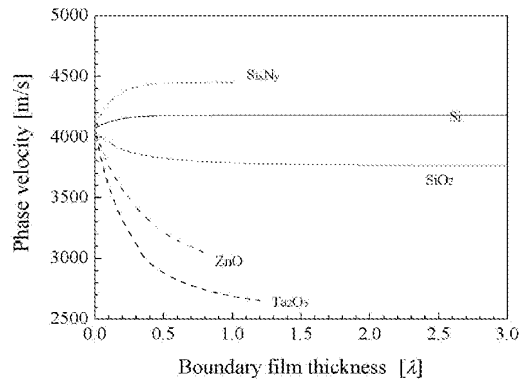
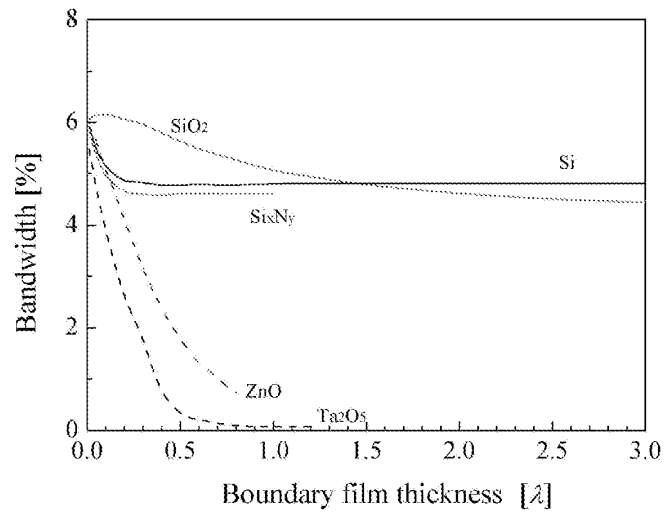
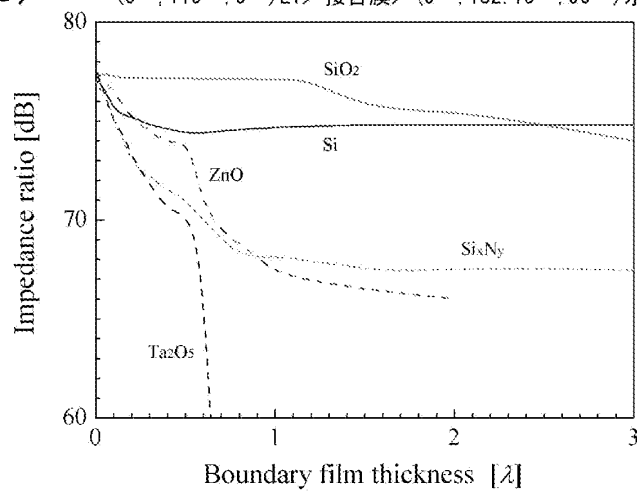
[図34]



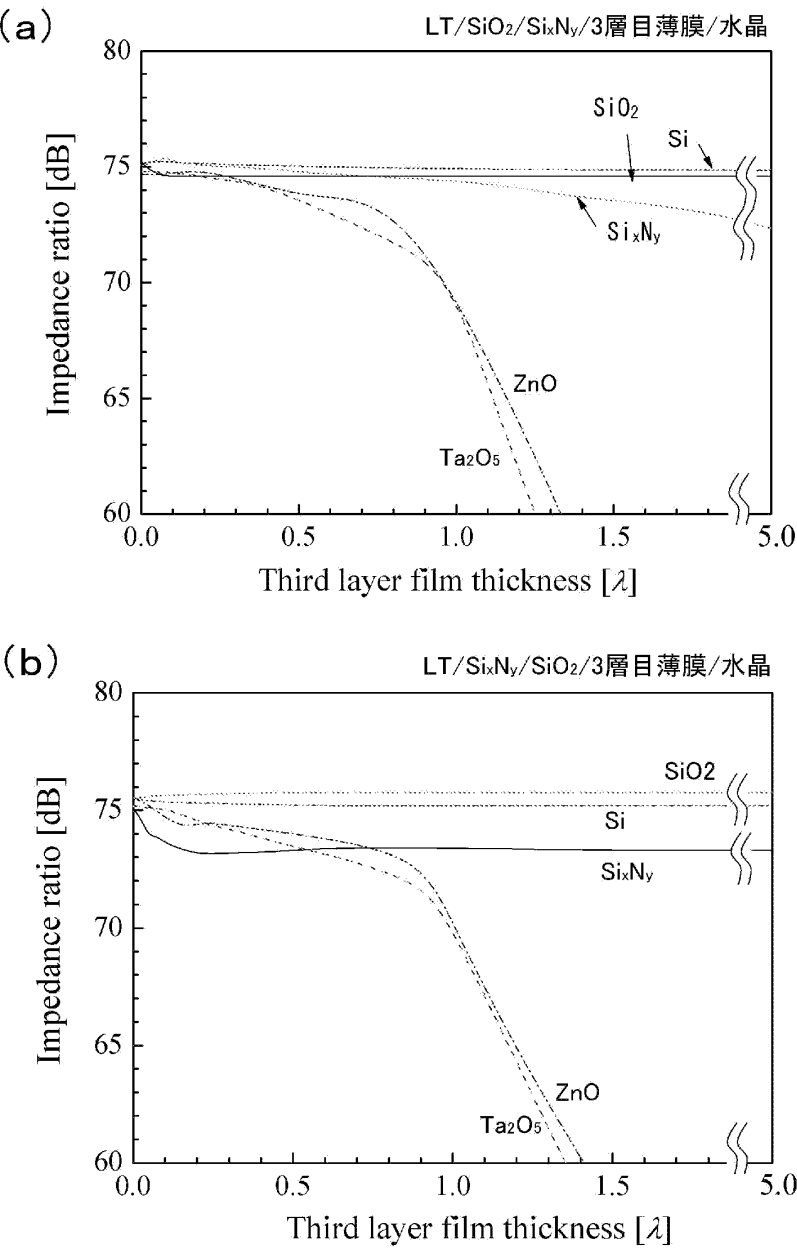
[図35]



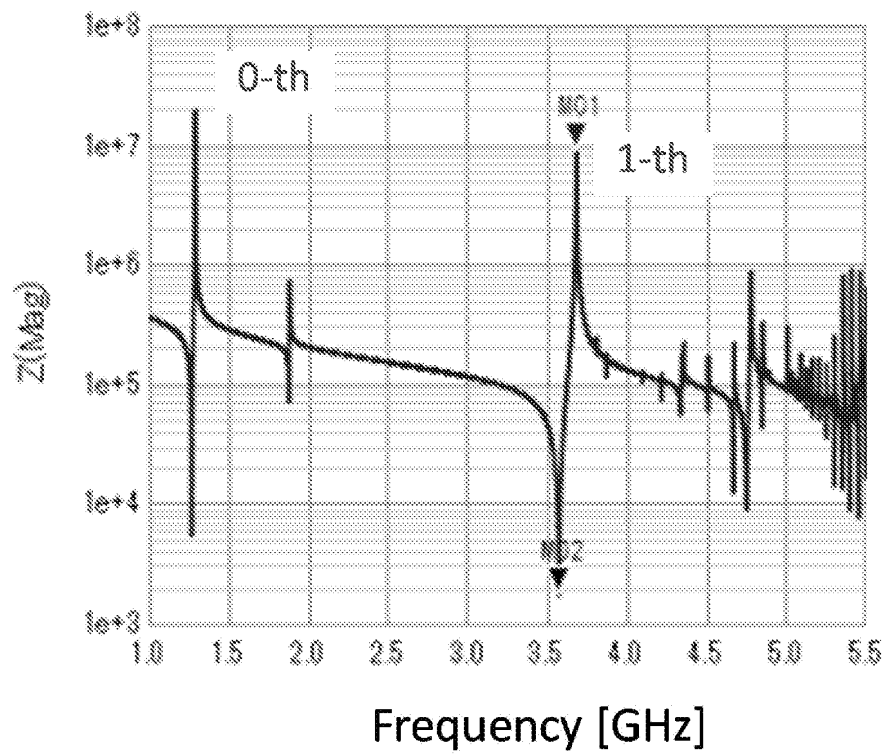
[図36]

(a) $(0^\circ, 110^\circ, 0^\circ)$ LT/接合膜/ $(0^\circ, 132.75^\circ, 90^\circ)$ 水晶(b) $(0^\circ, 110^\circ, 0^\circ)$ LT/接合膜/ $(0^\circ, 132.75^\circ, 90^\circ)$ 水晶(c) $(0^\circ, 110^\circ, 0^\circ)$ LT/接合膜/ $(0^\circ, 132.75^\circ, 90^\circ)$ 水晶

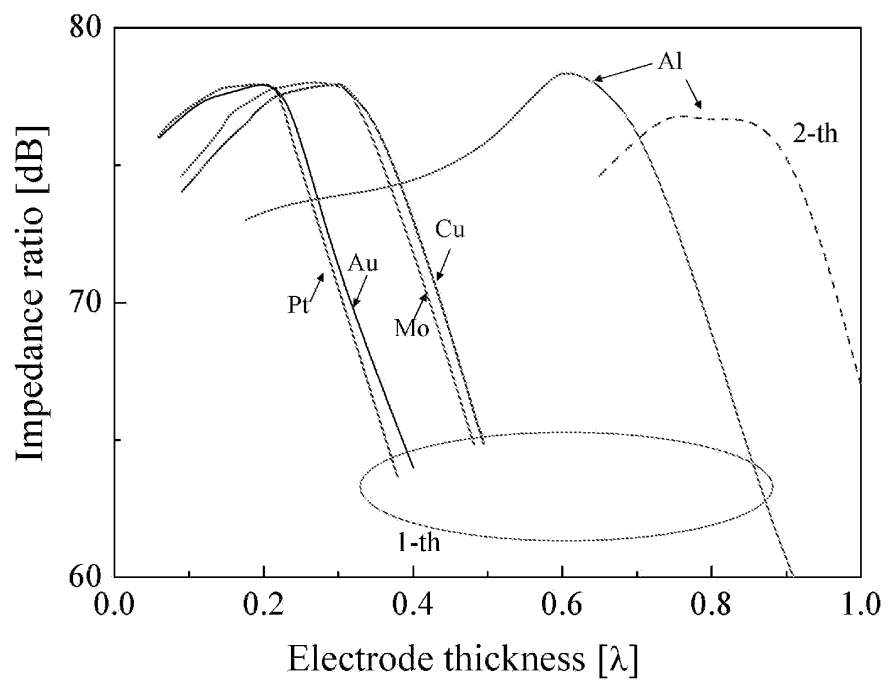
[図38]



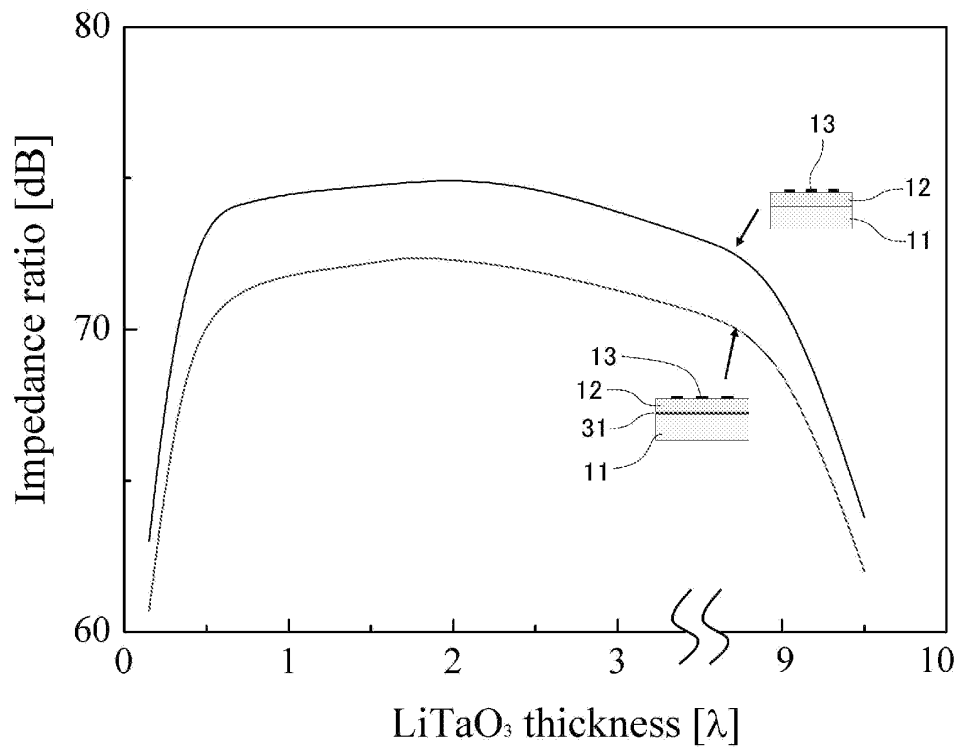
[図39]



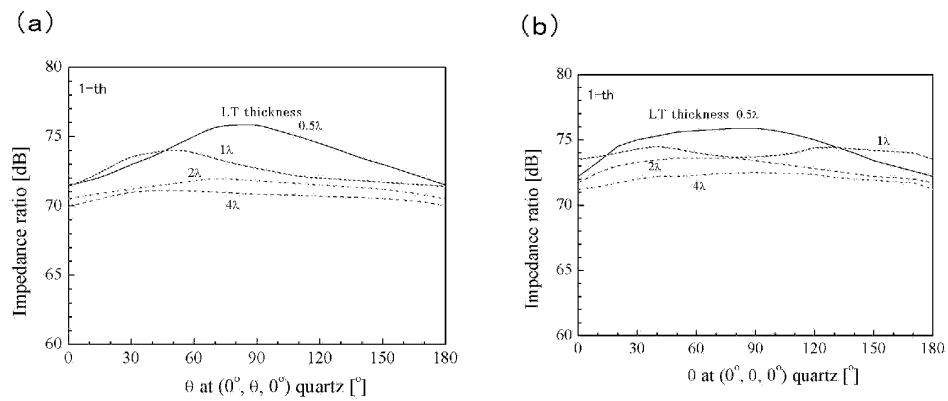
[図40]



[図41]



[図42]



[図43]

