

# FIELD STRENGTH CALCULATIONS – SECOND ADJACENT CHANNELS



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## FM and TV Propagation Curves

This Javascript calculator uses the FM or TV television propagation curves to find the distance to a service or interfering contour, or the corresponding field strength at a given contour distance. [More after the form.](#)

**KONO FM**

Select Contour Type:	<div>F(50,50) Service Contour -- FM and NTSC (analog) TV F(50,10) Interfering Contour F(50,90) Digital TV Service Contour</div>
Select Channel Range: (not TV Virtual Channel)	<div>FM Radio or TV Transmit Channels 2-6 TV Transmit Channels 7-13 TV Transmit Channels 14-69</div>
Find This:	<div>Field Strength, given a Distance (in km) Distance, Given a Field Strength (in dBu) FM ERP, given Distance and Field Strength [F(50,50) Service Contour]</div>
<div>98 ERP (kW)</div>	<div>23.95 Distance (km)</div>
<div>302 HAAT (meters)</div>	<div> Field (dBu)</div>
<div>Find Result Clear Form</div>	
Results: <div>Calculated field strength = 84.889 dBu</div>	

**KQXT-FM**

Find This:	<div>Field Strength, given a Distance (in km) Distance, Given a Field Strength (in dBu) FM ERP, given Distance and Field Strength [F(50,50) Service Contour]</div>
<div>100 ERP (kW)</div>	<div>3.09 Distance (km)</div>
<div>202 HAAT (meters)</div>	<div> Field (dBu)</div>
<div>Find Result Clear Form</div>	
Results: <div>Calculated field strength = 114.377 dBu</div>	