

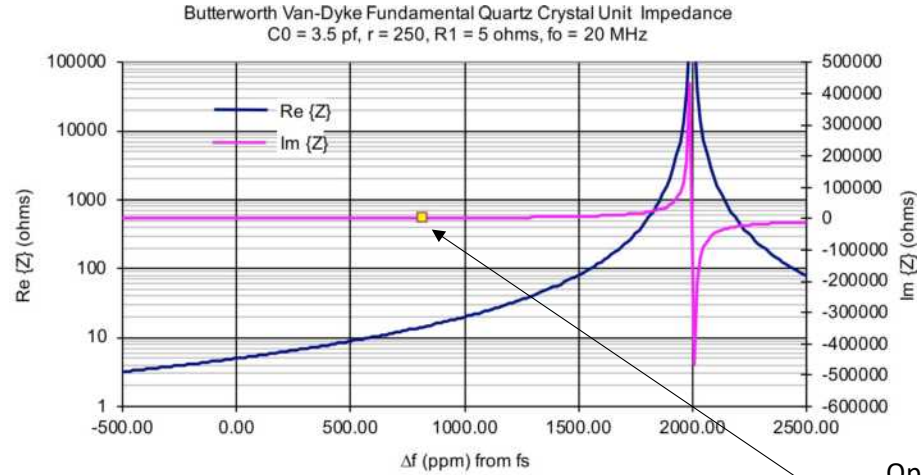
Enter quartz crystal unit parameters:	C0:	3.5	pf
	R1:	5	ohms
	Series resonant frequency:	20.0000	MHz
	Quartz cut angle type	AT	

Enter amplifier parameters	Input capacitance	5.0000	pf
	Limiting voltage	0.478	Vrms

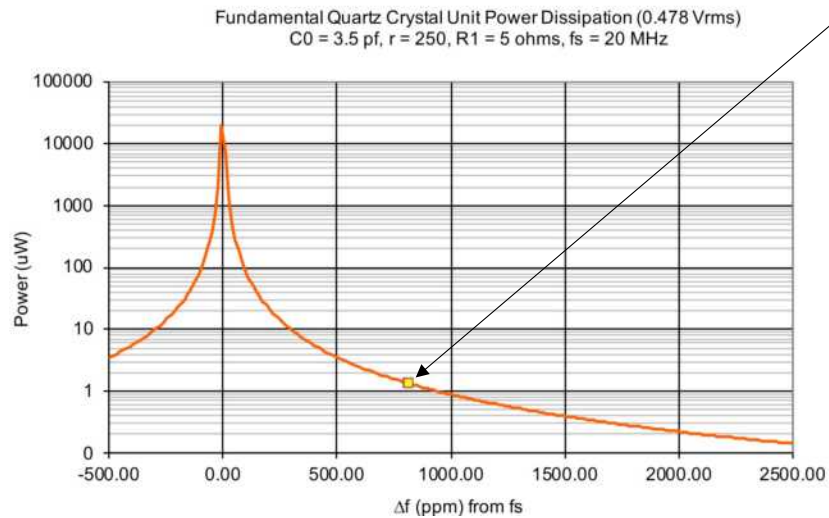
Enter plotting parameters	$\Delta f_{min} = (f_{min} - f_s) / f_s$ :	-500	ppm
	$\Delta f_{max} = (f_{max} - f_s) / f_s$ :	2500	ppm

Quartz crystal unit computed parameters:	C0:	3.5000E-12	F
	L1	4.5233E-03	H
	C1	1.4000E-14	F
	R1:	5	ohms
	Series resonant frequency	20000000	Hz
	capacitance ratio "r"	250	

Operating frequency from fs:	823.1749	ppm
Operating power dissipation:	1.31	uW



**Cin = 5 pf**



Operating frequency with input capacitance of 5 pf.  
 Power dissipation is 1.31 uW

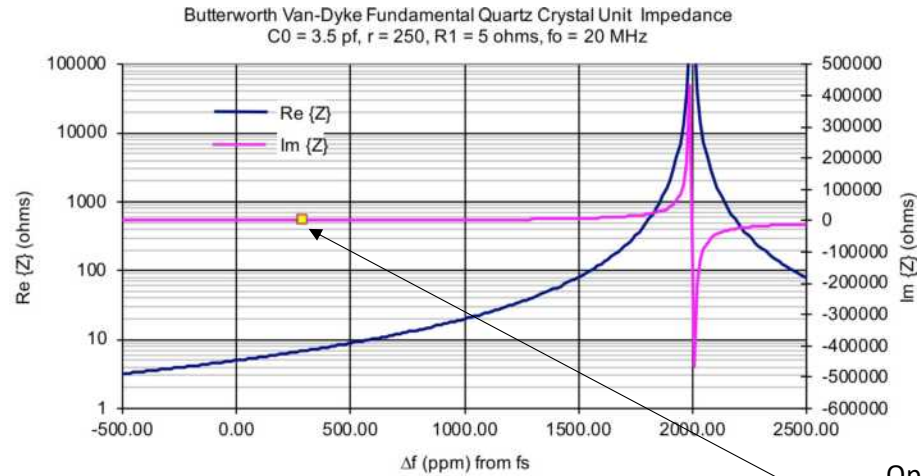
Enter quartz crystal unit parameters:	C0:	3.5	pf
	R1:	5	ohms
	Series resonant frequency:	20.0000	MHz
	Quartz cut angle type	AT	

Enter amplifier parameters	Input capacitance	20.0000	pf
	Limiting voltage	0.478	Vrms

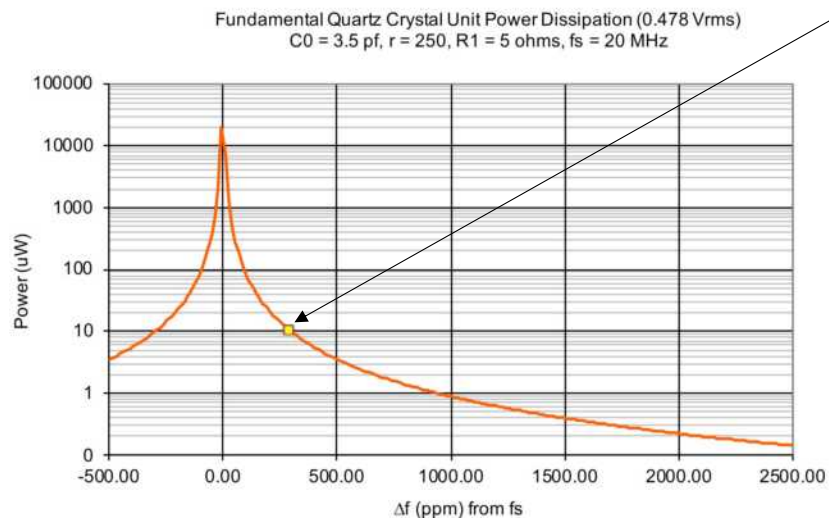
Enter plotting parameters	$\Delta f_{min} = (f_{min} - f_s) / f_s$ :	-500	ppm
	$\Delta f_{max} = (f_{max} - f_s) / f_s$ :	2500	ppm

Quartz crystal unit computed parameters:	C0:	3.5000E-12	F
	L1	4.5233E-03	H
	C1	1.4000E-14	F
	R1:	5	ohms
	Series resonant frequency	20000000	Hz
	capacitance ratio "r"	250	

Operating frequency from fs:	297.8191	ppm
Operating power dissipation:	9.98	uW



**Cin = 20 pf**



Operating frequency with input capacitance of 5 pf.  
 Power dissipation is 9.98 uW