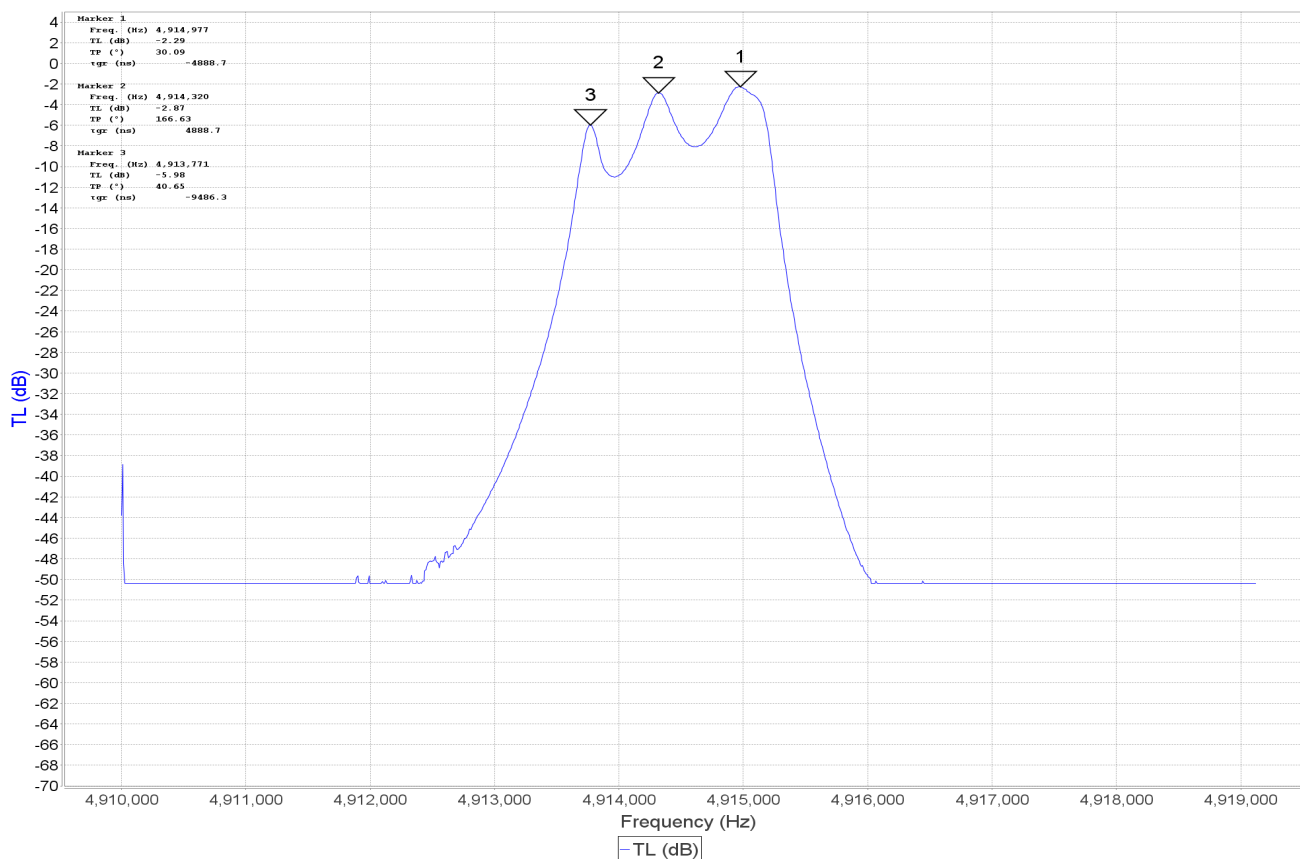


# Crystal Filter Transmission Loss



Marker	Freq. (Hz)	TL (dB)	TP (°)	Z  (Ω)	Rs (Ω)	Xs (Ω)	Theta	gr (ns)
1	4,914,977	-2.29	30.09	0.0	0.0	0.0	0.0	-4888.7
2	4,914,320	-2.87	166.63	0.0	0.0	0.0	0.0	4888.7
1-2	657	0.59	136.54	0.0	0.0	0.0	0.0	---
3	4,913,771	-5.98	40.65	0.0	0.0	0.0	0.0	-9486.3

## Comment:

Date: 10/5/18 6:40 PM

Mode: Transmission

Analyser: miniVNA / mini radio solutions - miniVNA

Scan

Start: 4910000 / 4,910,000

Stop: 4919126 / 4,919,126

Samples: 1014

Overscan: 1

Calibration

Samples: 2000

Overscan: 0

File: TRAN\_miniVNA.cal

User: Michael

Headline: Crystal Filter Transmission Loss

Port extension len: <not set>m

Port extension vf: <not set>