



Universal Single-LNB GOLDEN-MEDIA GM-201, 0,1 dB

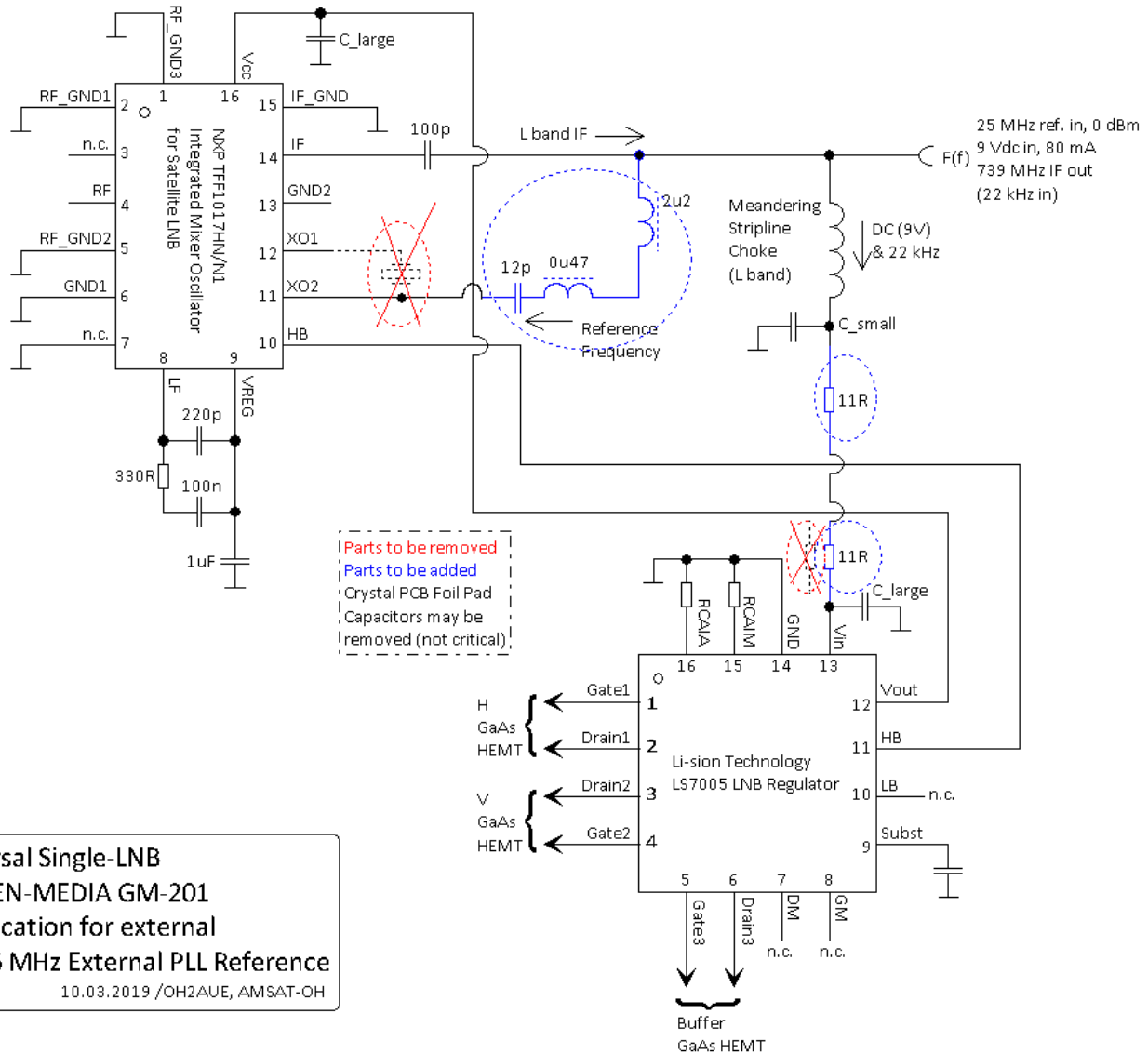
MODIFICATION FOR EXTERNAL REFERENCE

Michael Fletcher

AMSAT-OH

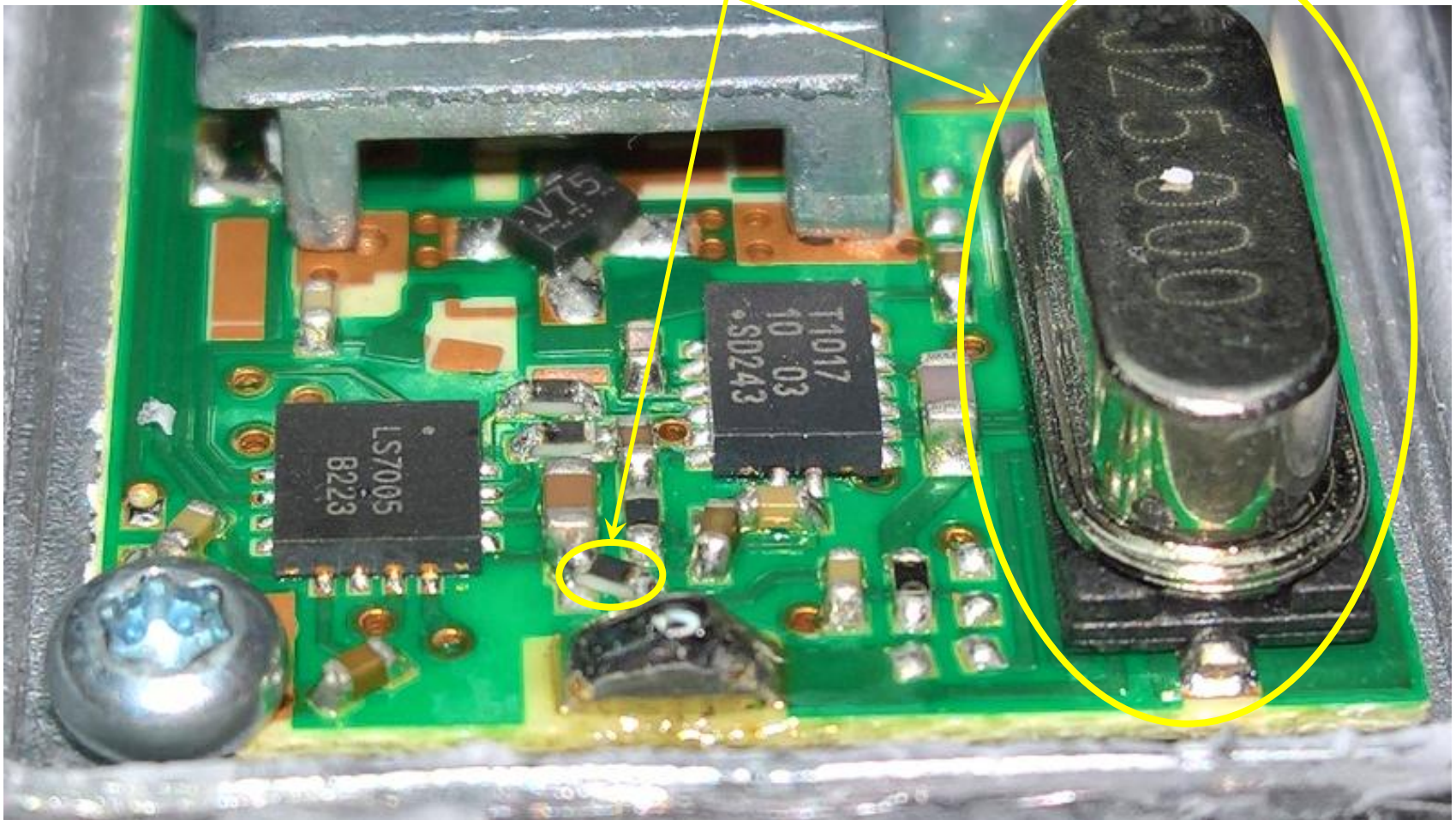
11.03.2019

GOLDEN-MEDIA GM-201, 0.1 dB, 2.95€

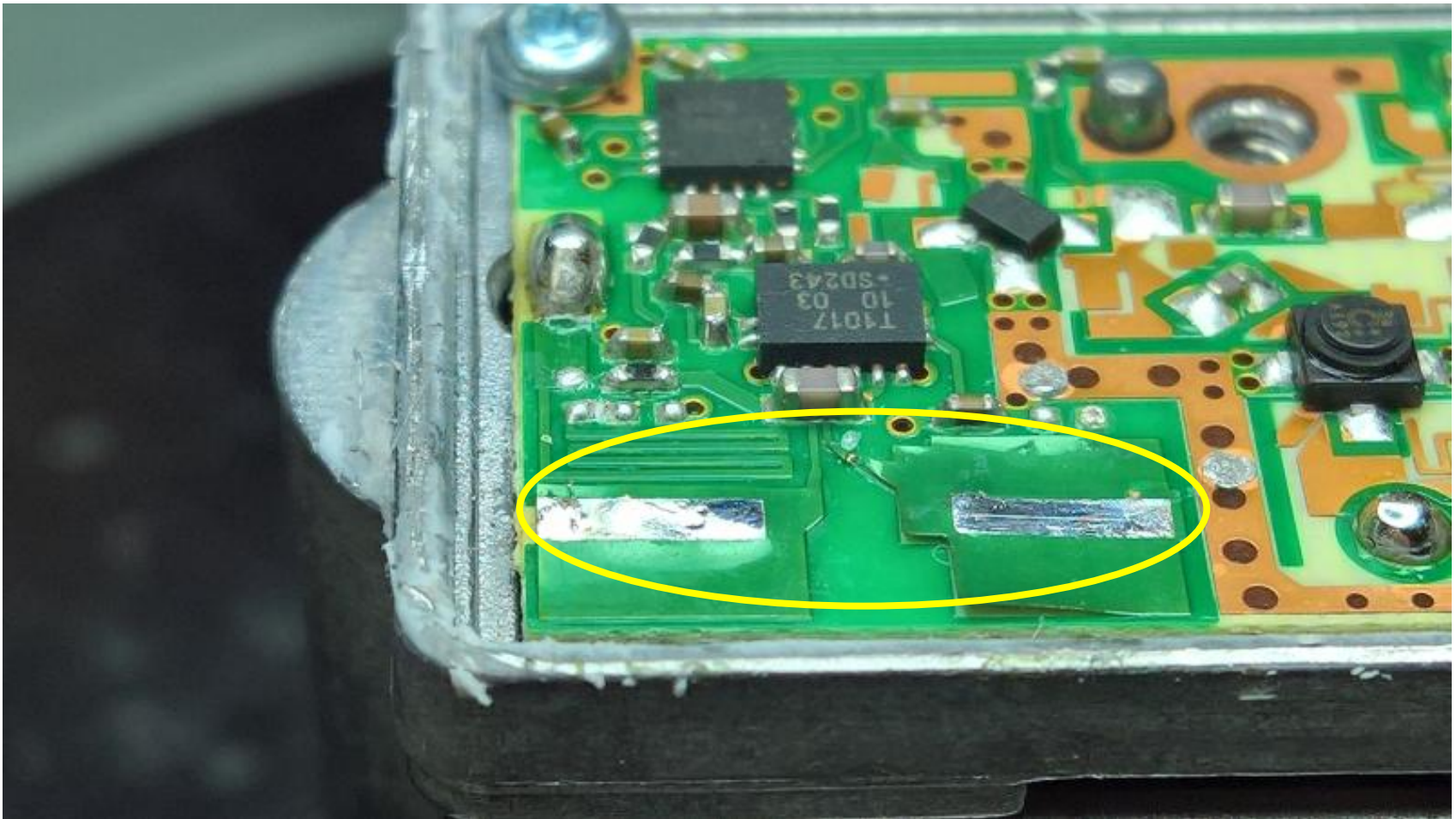


GOLDEN-MEDIA GM-201, 0.1 dB, 2.95€

(Parts to be removed)

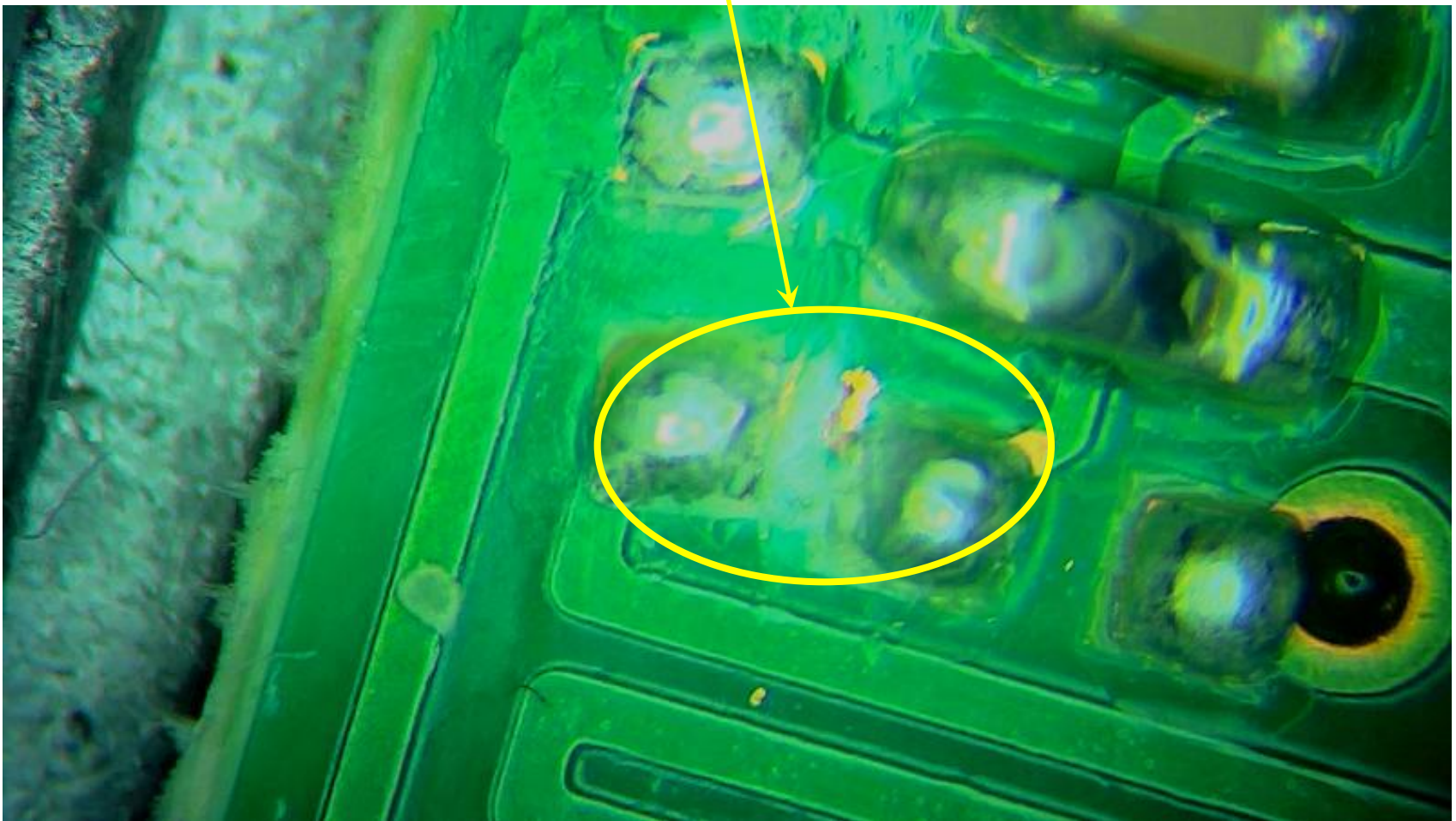


GOLDEN-MEDIA GM-201, 0.1 dB, 2.95€ (25 MHz Crystal removed)



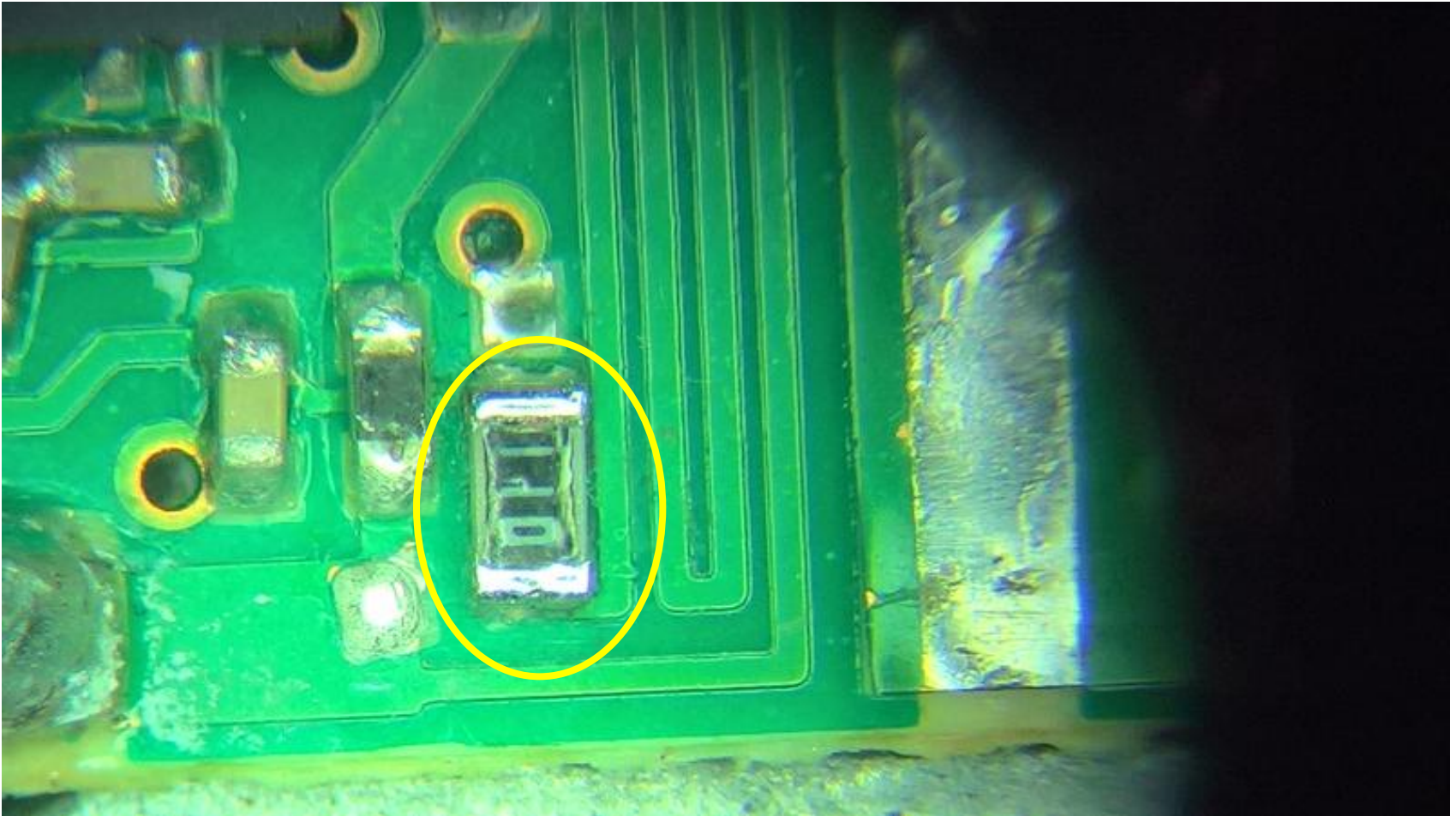
GOLDEN-MEDIA GM-201, 0.1 dB, 2.95€

(Cut DC/L band choke line foil between pads)

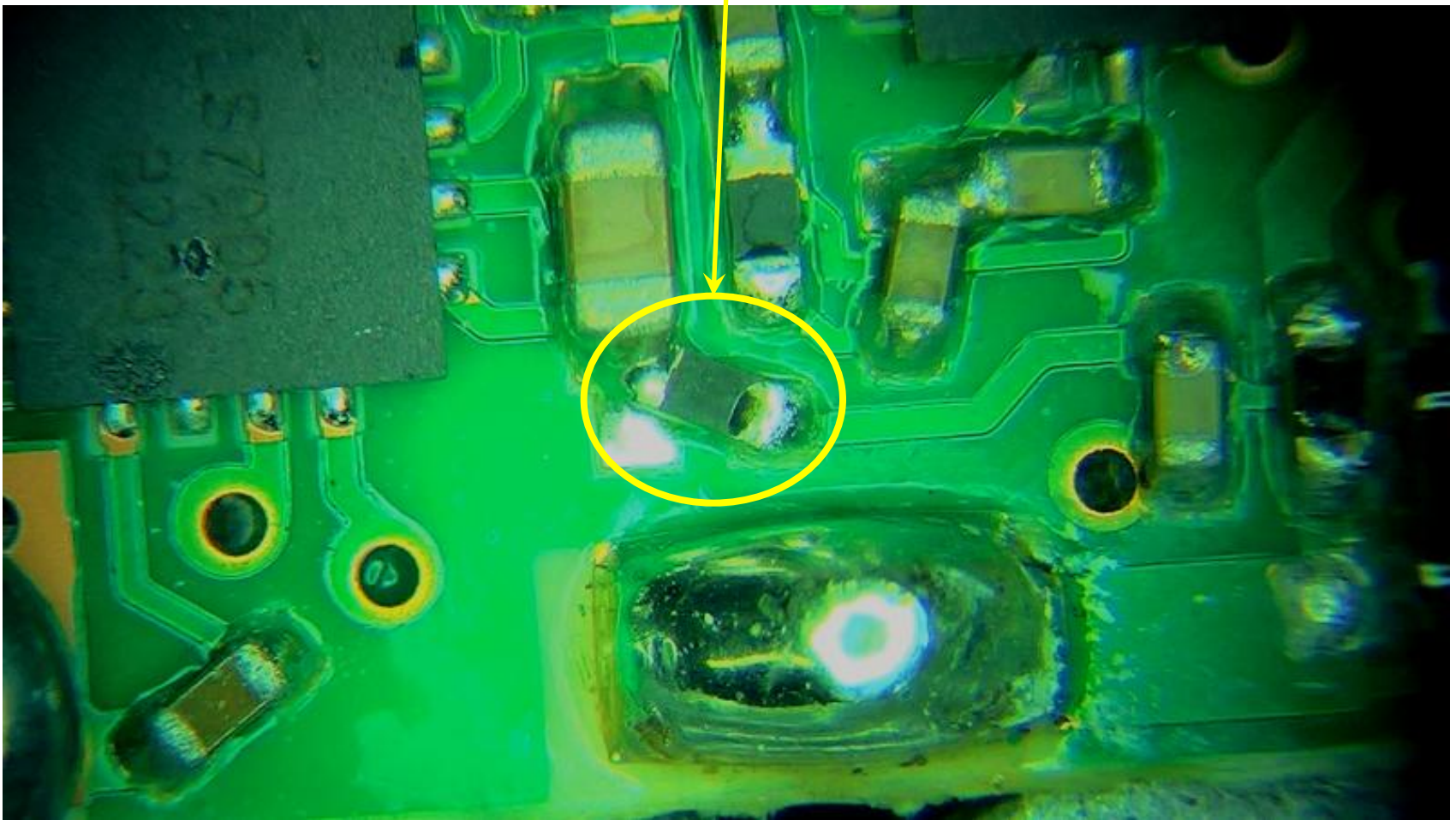


GOLDEN-MEDIA GM-201, 0.1 dB, 2.95€

(First resistor in place over foil cut, 11Ω, 0603)



GOLDEN-MEDIA GM-201, 0.1 dB, 2.95€ (~270nH inductor to be removed)



GOLDEN-MEDIA GM-201, 0.1 dB, 2.95€ (~270nH inductor removed, pads cleaned)



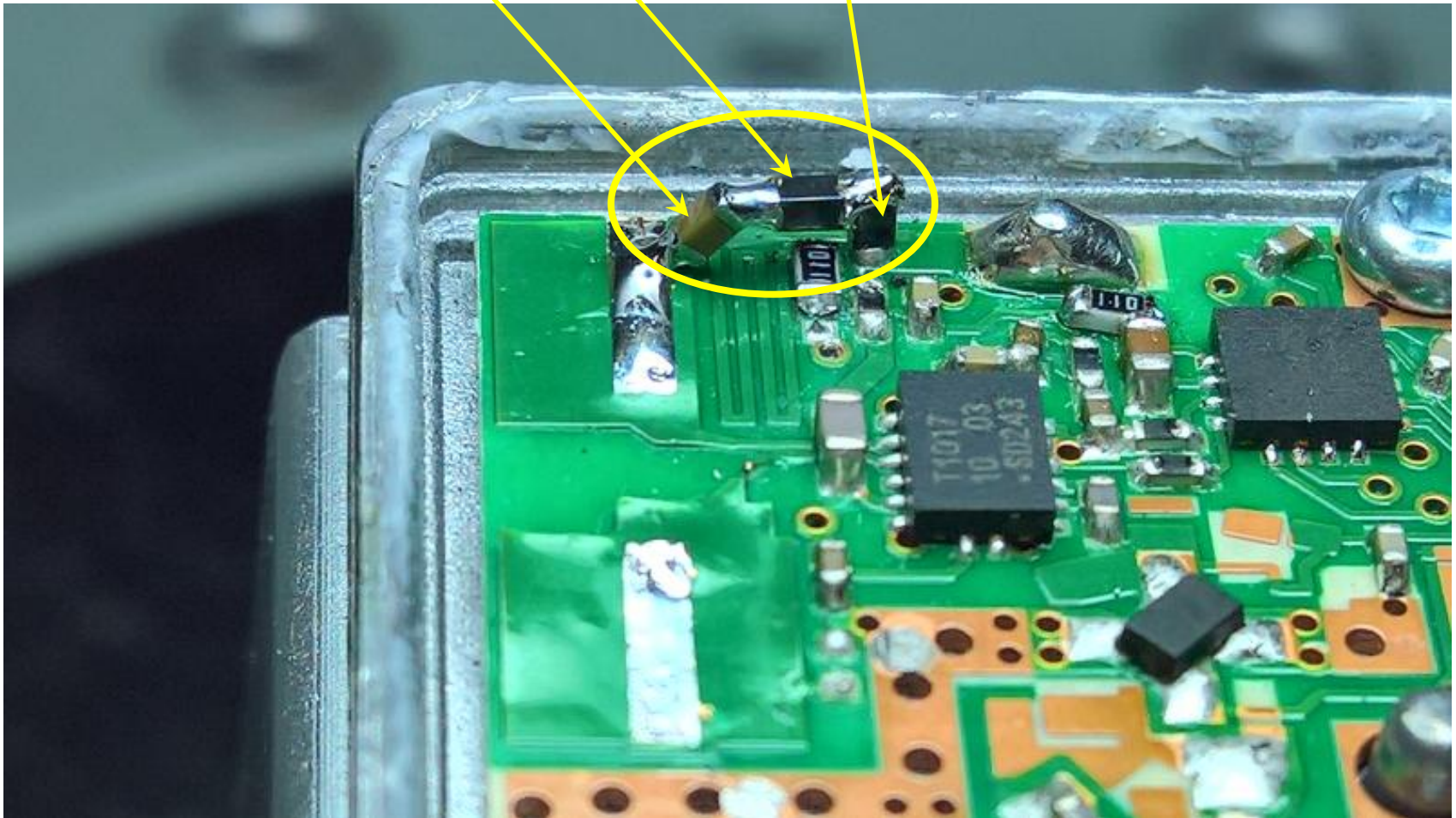
GOLDEN-MEDIA GM-201, 0.1 dB, 2.95€

(Second resistor in place, 11Ω, 0603)

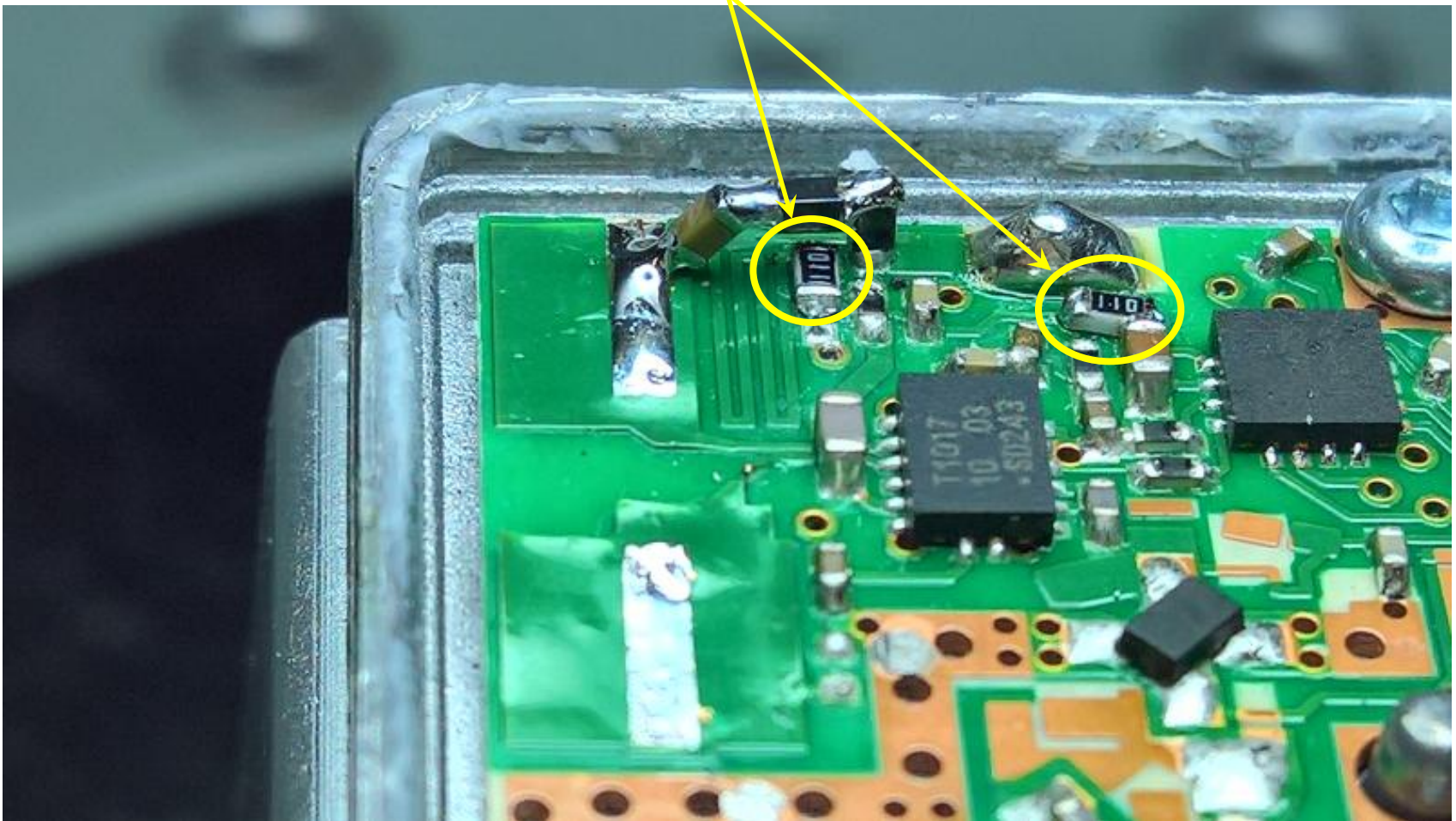


GOLDEN-MEDIA GM-201, 0.1 dB, 2.95€

(LC 25–27 MHz bandpass filter in place,
12pF + 0.47uH + 2.2uH, 0603)



GOLDEN-MEDIA GM-201, 0.1 dB, 2.95€ (added 11Ω resistors, 0603)

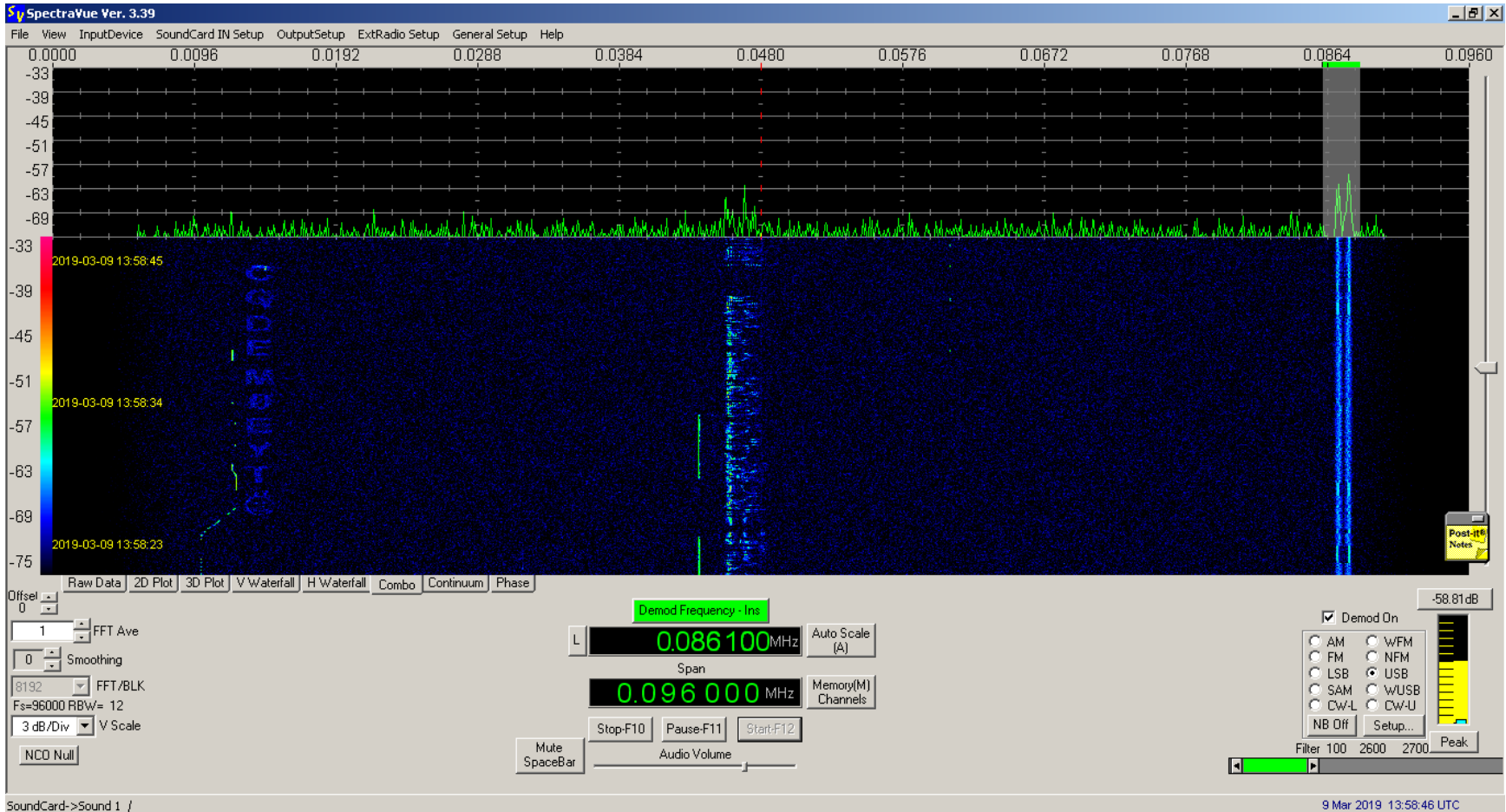


GOLDEN-MEDIA GM-201, 0.1 dB, 2.95€

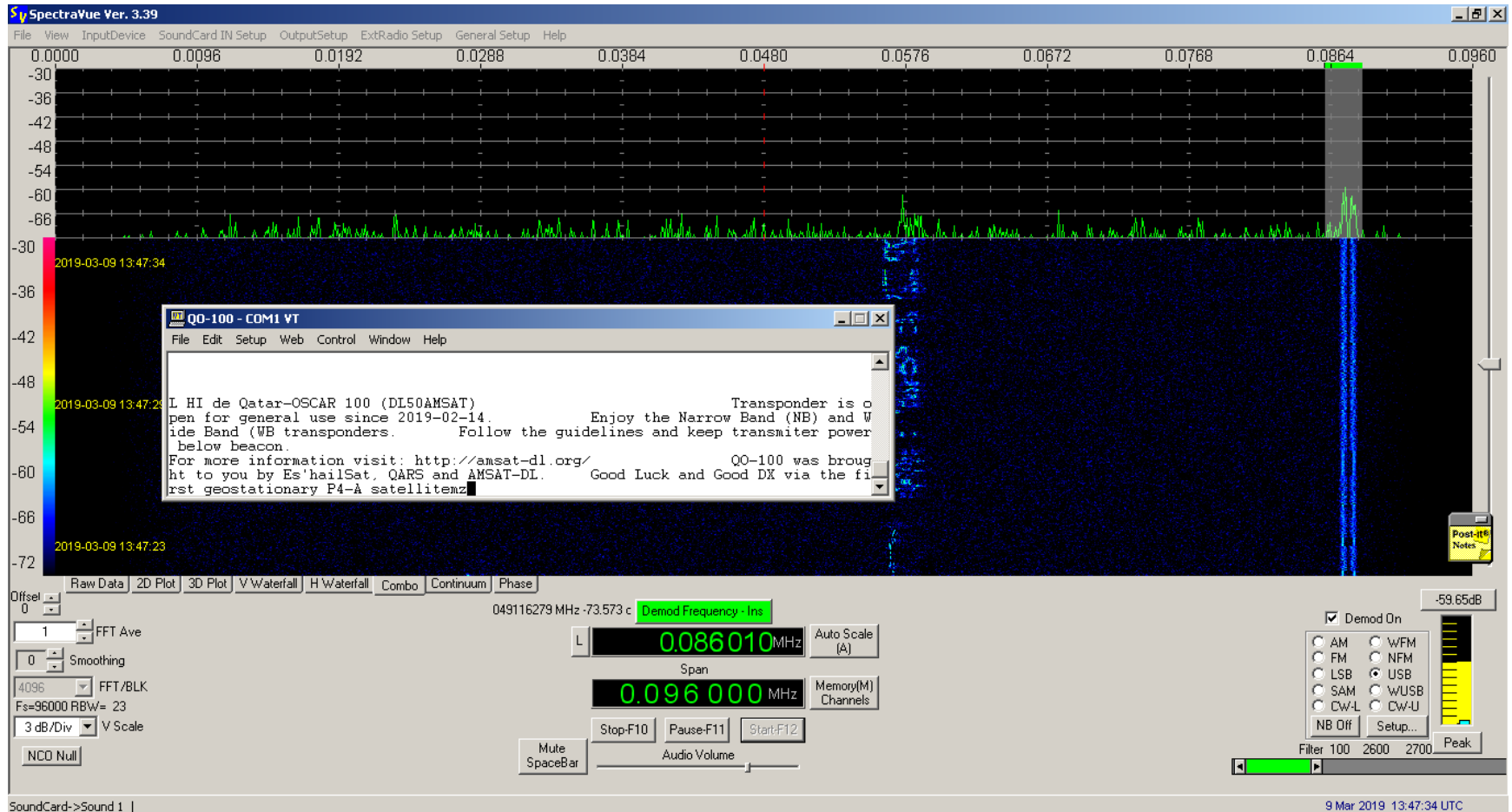
(Successful live indoor tests: double glazing, bushes in path,
Ref: 25 MHz/0dBm/75Ω, 9Vdc supply, crystal clean tone on CW beacon)



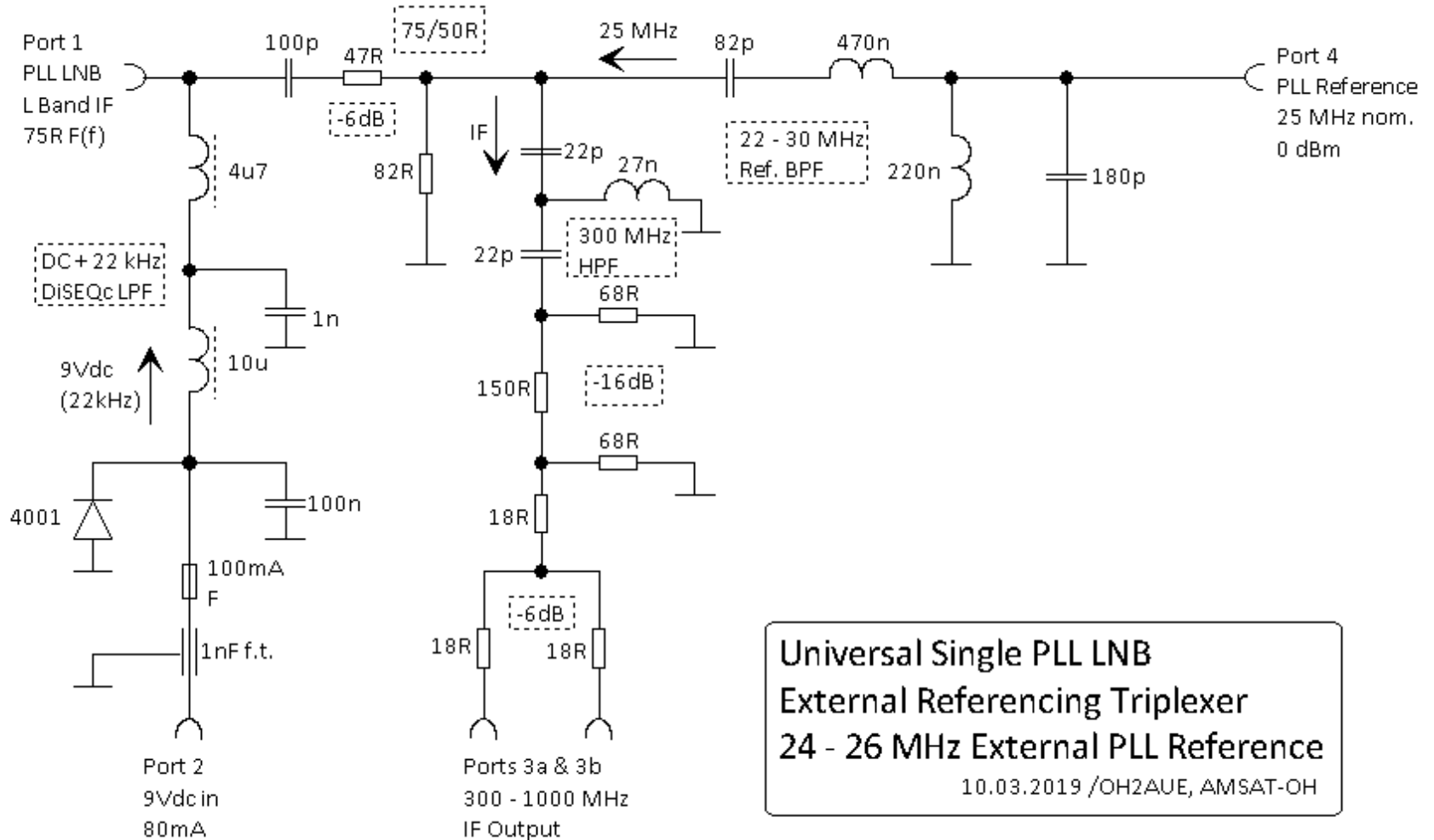
GOLDEN-MEDIA GM-201, 0.1 dB, 2.95€ (FunCube Dongle Pro + Spectravue, 739 MHz IF)



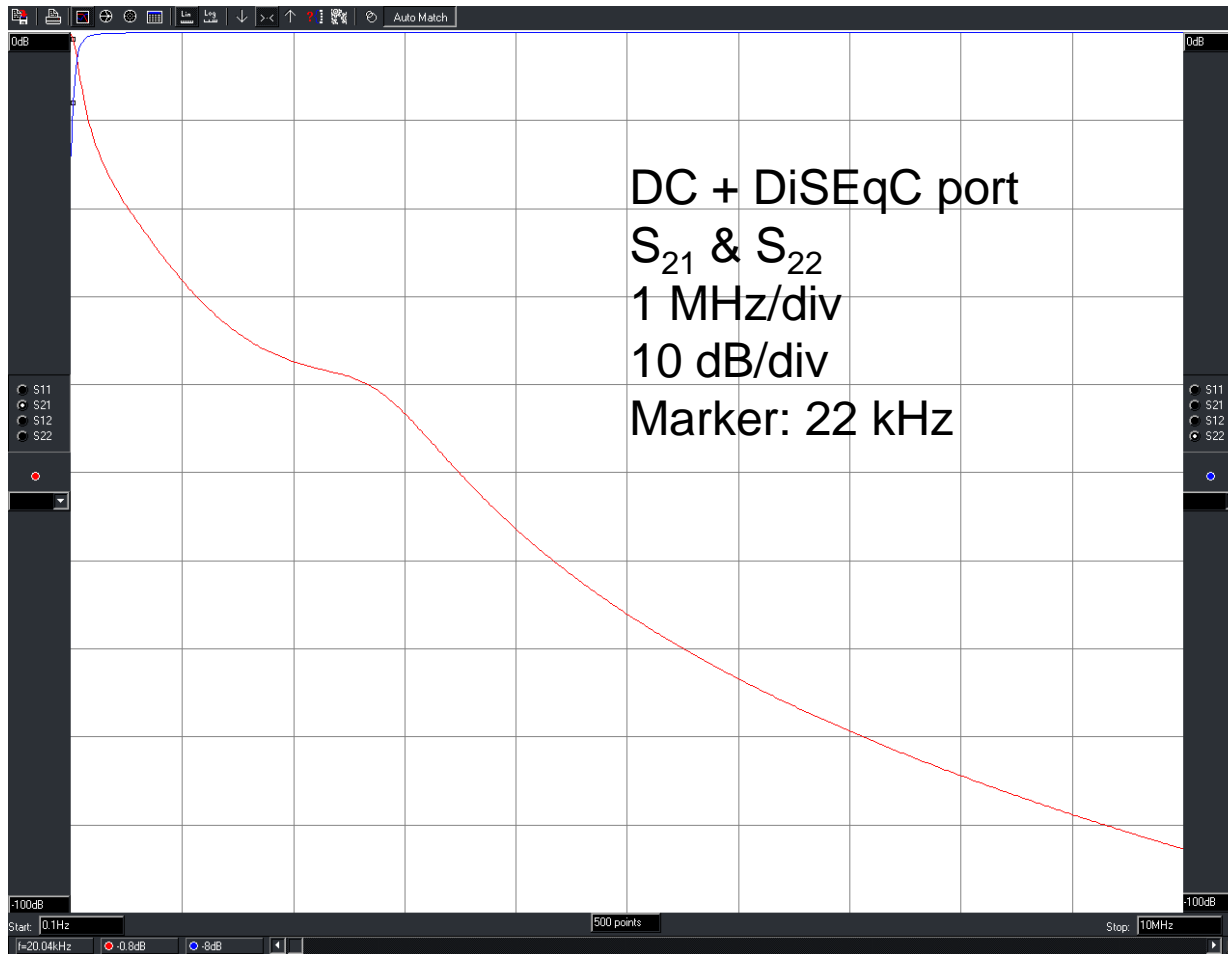
GOLDEN-MEDIA GM-201, 0.1 dB, 2.95€ (FunCube Dongle + G3RUH 400 bps Demodulator)



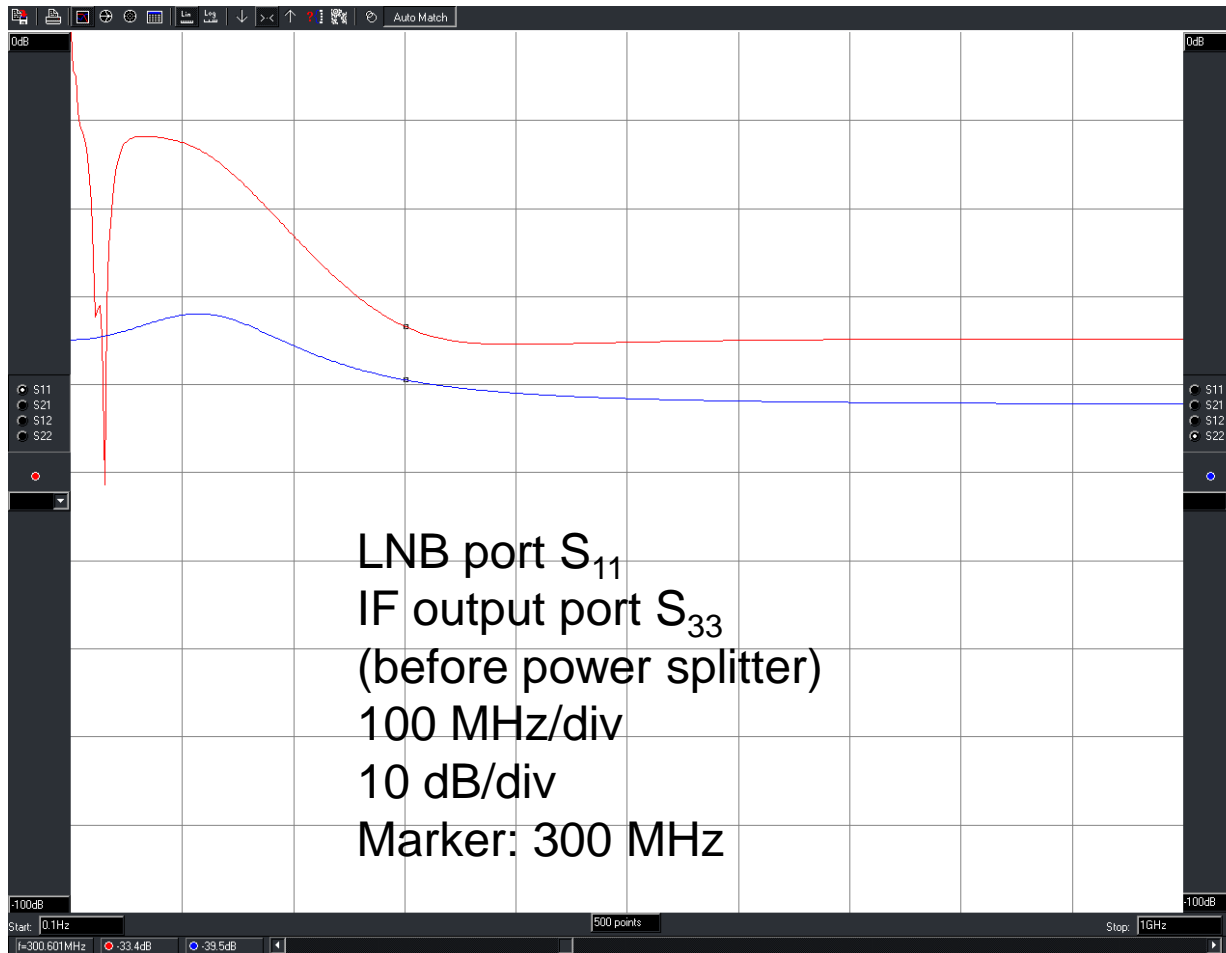
Example of Triplexer (OH2AUE/AMSAT-OH)



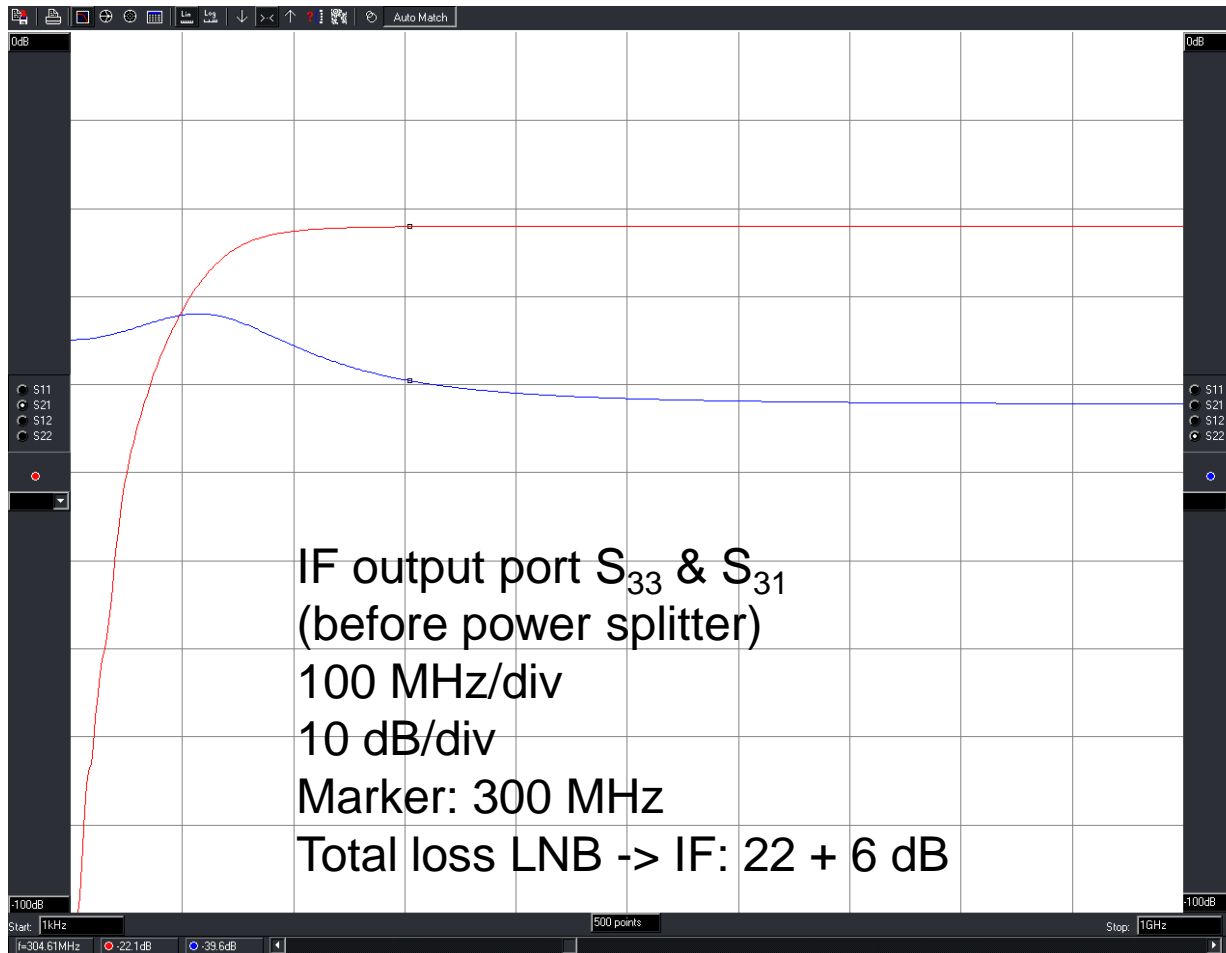
Triplexer DC & DiSEqC port (OH2AUE/AMSAT-OH)



PLL LNB 75Ω and IF o/p port matching (OH2AUE/AMSAT-OH)



IF output port matching and loss (OH2AUE/AMSAT-OH)



Reference Signal port (OH2AUE/AMSAT-OH)

