

Testing on Lime Mini + SPF5189Z + MHL21336 for DATV transmitter

G8AGN 29 Sept 2019

Test 1 Output from Lime Mini driving SPF5189Z

Input signal is 125kS/s DATV test card

Lime Gain	Output dBm	Less 3.7 dB (MHL21336 input attenuator)
80	5.0	1.3
85	6.7	3.0
90	10.6	6.9
95	14.8	11.1
100	18.1	14.4

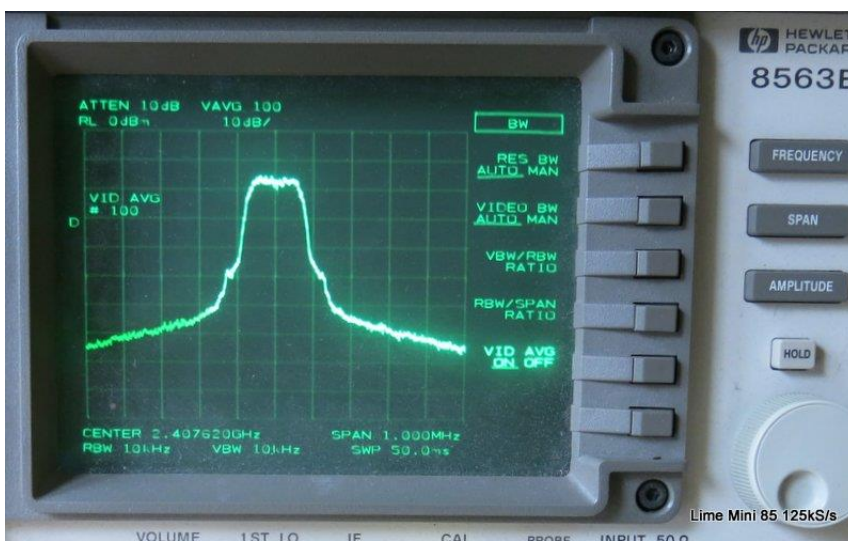
Test 2 Output from MHL21336

Input signal is 125kS/s DATV test card

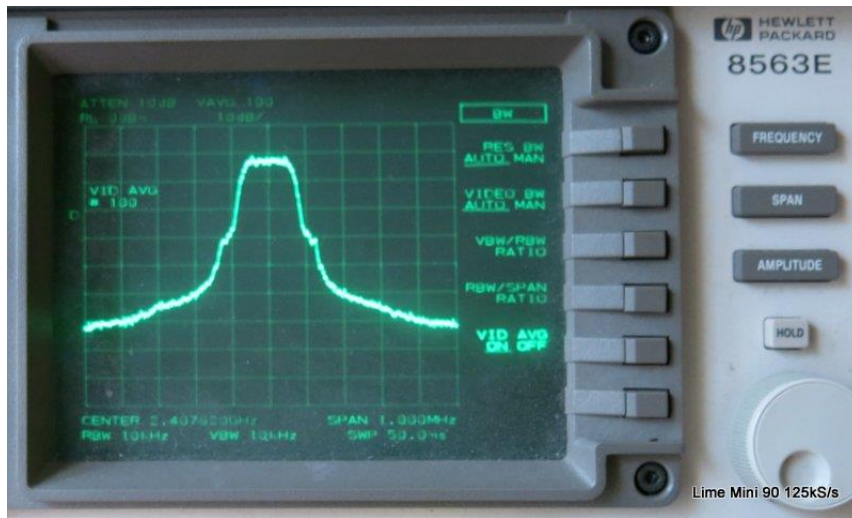
Lime Gain	Output watts
80	0.88
85	1.26
90	2.30

Test 3 Output Spectrum from Lime Mini

(a) Lime gain = 85

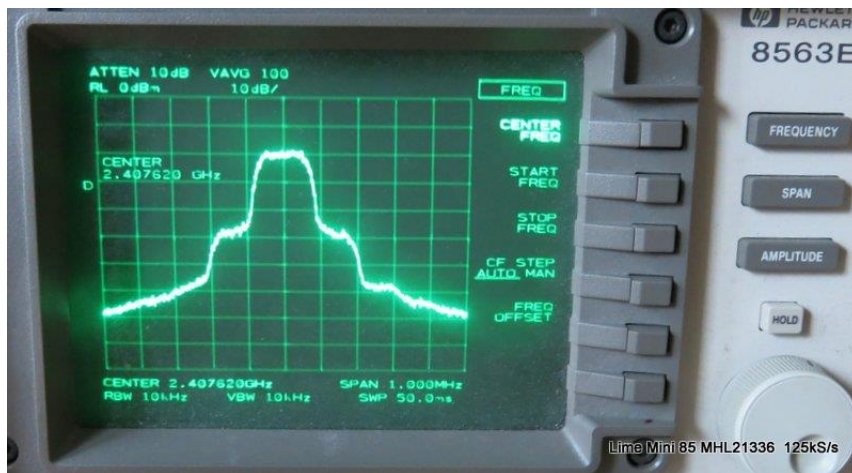


(b) Lime gain = 90



Test 4 Output spectrum from MHL21336

(a) Lime gain = 85



(b) Lime gain = 90

