Component Model Cost

Attenuator – 3dB Gat-3+ 2.35

Attenuator – 5dB Gat-5+ 2.35

Analog to Digital Converter ADS7813 38.79

Digital to Analog Converter MCP4921 2.36

Low Noise Amplifier TAMP-272LN+ 9.95

Mixer RMS-42MH+ 24.95

Power Amplifier TAMP-272LN+ 9.95

Power Splitter SP-2U2 0.96

SMA Connectors J502-ND 5.09

Voltage Controlled Oscillator JTOS-3000 25.95

Resistors (0603 or 1210) Digikey Part Number

1x 0 Ohm 0

1x 220 Ohm 311-220GRCT-ND 0.011

2x 220 Ohm P220VCT-ND 0.33

1x 10 kOhm 311-10.0KHRCT-ND 0.10

4x 10 kOhm 311-10KGRCT-ND 0.011

Capacitors (0603 or 1210) Digikey Part Number

1x 22 nF 587-1238-1-ND 0.10

1x 47 nF 399-9096-1-ND 0.38

5x .1 uF 311-1343-1-ND 0.012

2x .1 uF 399-1238-1-ND 0.32

1x .22 uF 445-1318-1-ND 0.10

3x 1 uF 587-1242-1-ND 0.041

1x 22 uF 587-1390-1-ND 0.42

Inductors Digikey Part Number

1x 1 mH SRR7045-102MCT-ND 0.64

1x 2.5 mH M10107-ND 1.21

Arduino Uno 30

Arduino Due 50

Bluetooth Module 7

PCB 30

Coaxial Lines

Horn Antennas

Power Supply