

K1FM Loop - Bill of materials

Part	Description	Quantity	Notes
Main Loop Coaxial Cable	LMR-400	124'	
Exciter Loop Coaxial Cable	LMR-200	25'	
Main Loop Connectors	PL-259 (for LMR-400)	2	
Exciter Loop Connectors	BNC (for LMR-200)	2	
Exciter Loop – Feed line connection	3 way female BNC	1	
Feed line	RG-316	5'	Any other 50 ohm cable works too. I like the RG-316 because it is particularly thin
Feed Line connectors	BNC (for RG-316)	2	
Enclosure	uxcell Outdoor Plastic Electrical Industrial Projector Enclosure Junction Box, 3.9"x2.6"x2"	1	
Enclosure Connectors	SO-239, flange mount	2	
Variable Capacitor	Alps 42-36251-1 or equivalent (14pF to 165pF)	1	Any other split stator variable capacitor of about the same capacity is fine.
Capacitor Shaft Knob	6mm shaft diameter	1	
SO-239 Mounting hardware	M2.5 8mm Bolts M2.5 Nuts	4 + 4	
Enclosure bracket	3D printed (ABS)	1	Use millimeters as measuring unit, ABS material. I ordered my parts using 3dhubs.com
Selfie-Stick bracket	3D printed (ABS)	1	
Capacitor Mounting hardware	M2.5 10mm <u>Nylon</u> standoffs M2.5 <u>Nylon</u> nuts M2.5 4mm bolts (steel, flat head)	2 + 2 + 2	
Selfie-Stick	Luxebell Selfie Stick Adjustable Telescoping Monopod Pole (or equivalent)	1	Any selfie stick with a standard GoPro mount works too
Mini Tripod	Mini Light Stand Aluminium Photography Photo Studio Light Stand for Video (or equivalent)	1	This is optional, but nice to have. Its's a very small Light Stand that mates with the selfie stick. Any other standard camera / lighting support works.
Soft carrying case	Case Logic, AUA314, 14.1 inch Laptop, Ipad, Or Tablet Case, Black (or equivalent)	1	Optional: just a simple and cheap laptop case that can be used to carry the antenna around