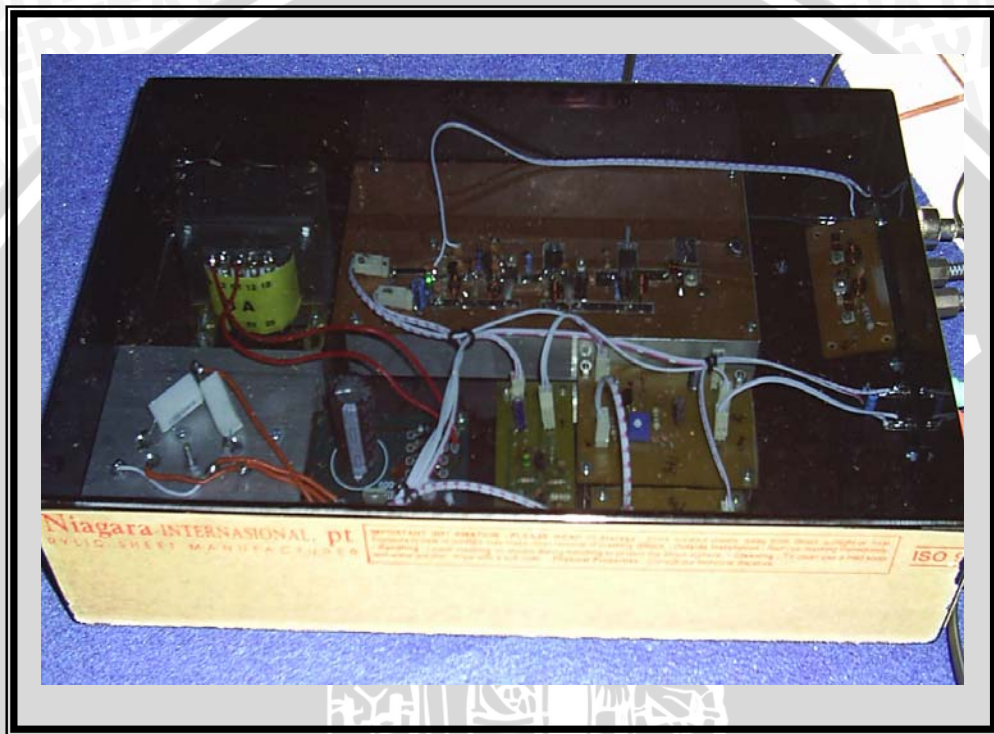
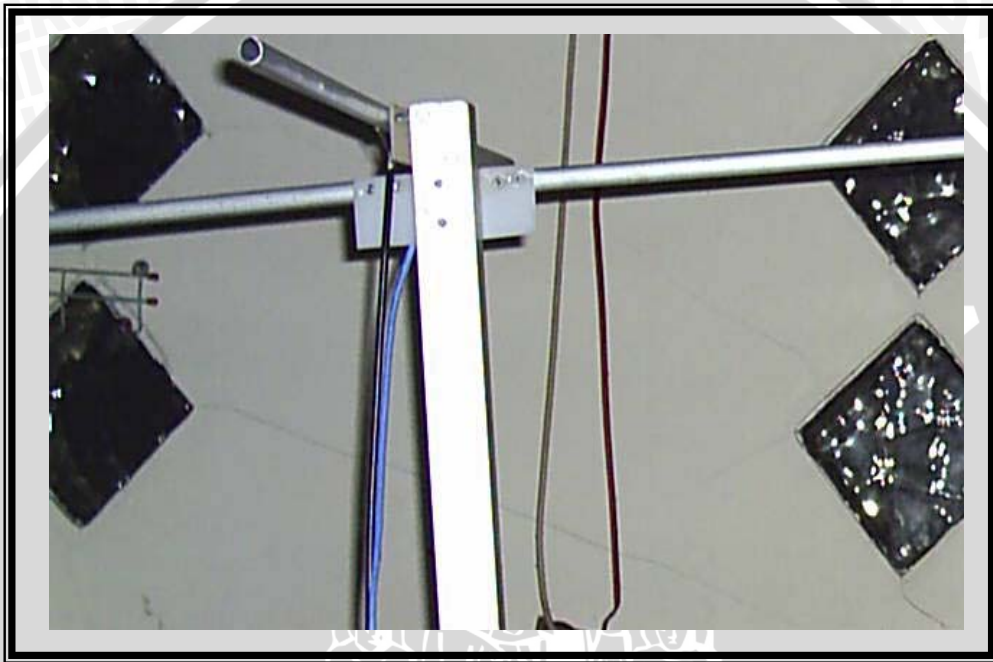


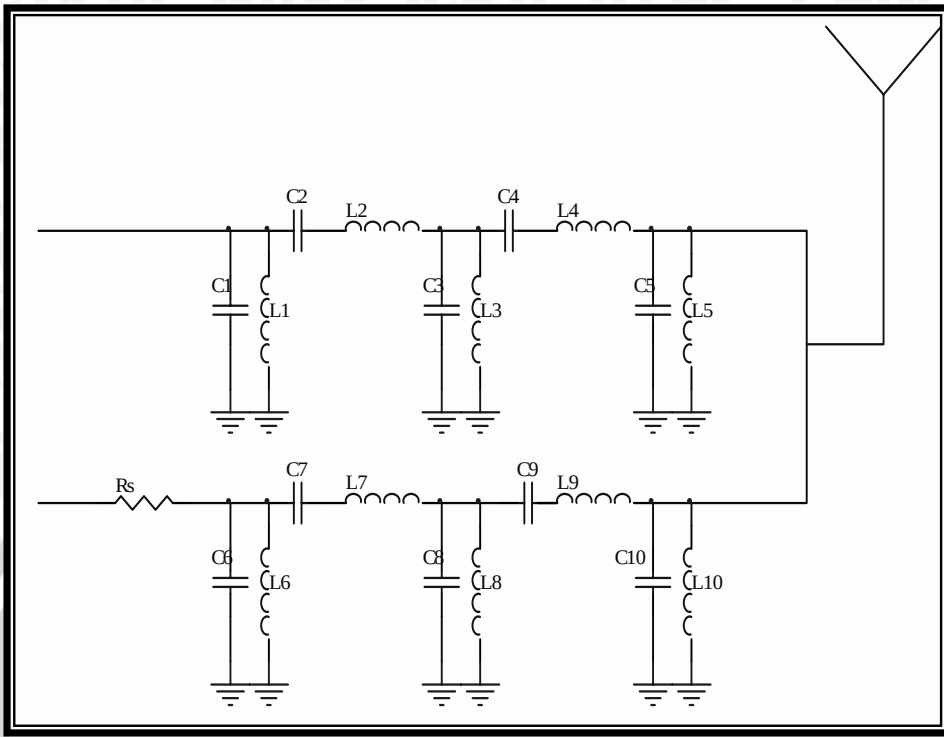


Gambar Foto Alat Teleconference

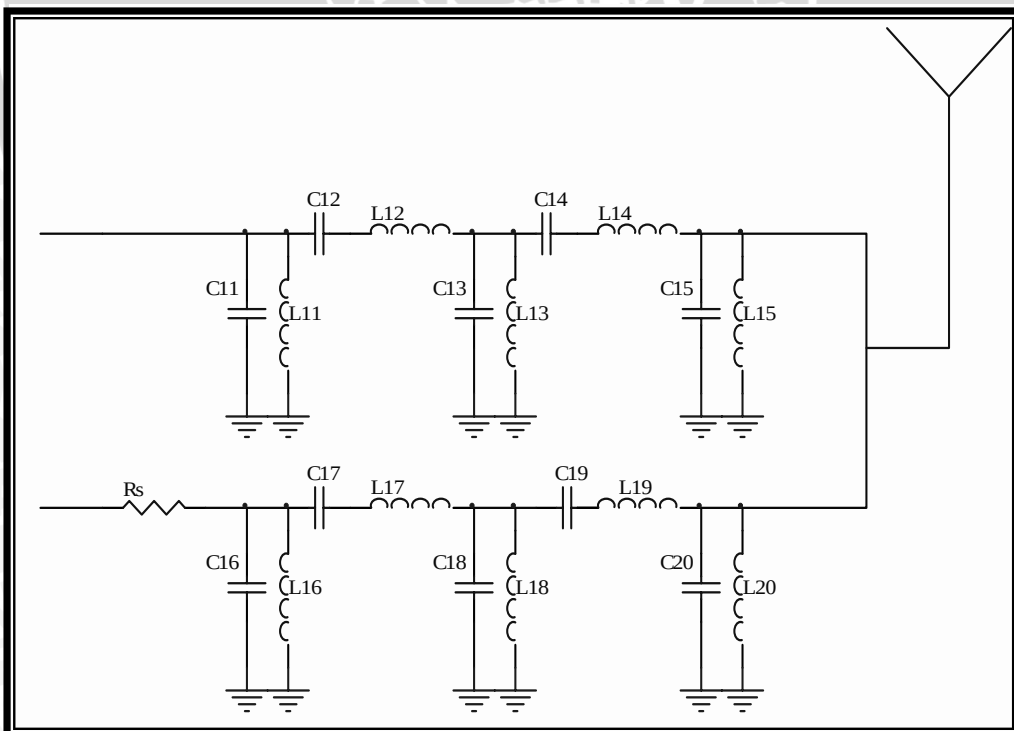


Gambar Foto Antena

Gambar Rangkaian Duplexer Pemancar 175,25 MHz



Gambar Rangkaian Duplexer Pemancar 224,25 MHz



DAFTAR NILAI KOMPONEN

Nilai Kapasitor / Trimmer:

$$C_1 = 17,74 \text{ pF}$$

$$C_2 = 10,78 \text{ pF}$$

$$C_3 = 36,9 \text{ pF}$$

$$C_4 = 10,78 \text{ pF}$$

$$C_5 = 17,7 \text{ pF}$$

$$C_6 = 13,1 \text{ pF}$$

$$C_7 = 13,6 \text{ pF}$$

$$C_8 = 37,7 \text{ pF}$$

$$C_9 = 13,6 \text{ pF}$$

$$C_{10} = 13,9 \text{ pF}$$

$$C_{11} = 13,9 \text{ pF}$$

$$C_{12} = 8,4 \text{ pF}$$

$$C_{13} = 28,9 \text{ pF}$$

$$C_{14} = 8,4 \text{ pF}$$

$$C_{15} = 13,9 \text{ pF}$$

$$C_{16} = 16,8 \text{ pF}$$

$$C_{17} = 17,5 \text{ pF}$$

$$C_{18} = 48,3 \text{ pF}$$

$$C_{19} = 17,5 \text{ pF}$$

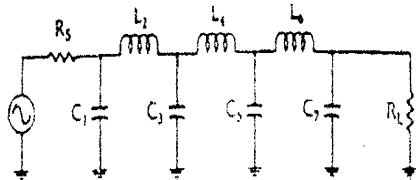
$$C_{20} = 16,8 \text{ pF}$$



Nilai Induktor:

		Ukuran Kawat	Jumlah Lilitan
L_1	= 46,5 nH	(d = 0,9 mm; D = 8 mm)	n = 2
L_2	= 76,5 nH	(d = 0,8 mm; D = 8 mm)	n = 3
L_3	= 22,8 nH	(d = 0,9 mm; D = 8 mm)	n = 1
L_4	= 76,5 nH	(d = 0,8 mm; D = 8 mm)	n = 2
L_5	= 46,5 nH	(d = 0,9 mm; D = 8 mm)	n = 2
L_6	= 38,5 nH	(d = 0,8 mm; D = 8 mm)	n = 2
L_7	= 36,9 nH	(d = 0,9 mm; D = 8 mm)	n = 2
L_8	= 13,4 nH	(d = 0,8 mm; D = 8 mm)	n = 0,5
L_9	= 36,9 nH	(d = 0,9 mm; D = 8 mm)	n = 2
L_{10}	= 38,5 nH	(d = 0,8 mm; D = 8 mm)	n = 2
L_{11}	= 36,3 nH	(d = 0,9 mm; D = 8 mm)	n = 2
L_{12}	= 59,8 nH	(d = 0,8 mm; D = 8 mm)	n = 3
L_{13}	= 28,5 nH	(d = 0,9 mm; D = 8 mm)	n = 1
L_{14}	= 59,8 nH	(d = 0,8mm; D = 8 mm)	n = 3
L_{15}	= 36,3 nH	(d = 0,9 mm; D = 8 mm)	n = 2
L_{16}	= 49,1 nH	(d = 0,8 mm; D = 8 mm)	n = 2,5
L_{17}	= 47,2 nH	(d = 0,9 mm; D = 8 mm)	n = 2,5
L_{18}	= 17,1 nH	(d = 0,8 mm; D = 8 mm)	n = 0,5
L_{19}	= 47,2 nH	(d = 0,9 mm; D = 8 mm)	n = 2,5
L_{20}	= 49,1 nH	(d = 0,8 mm; D = 8 mm)	n = 2,5

Tabel elemen normalisasi untuk filter chebysev
chebysev Low-Pass Element Values for 0,01-db Ripple

								
n	R_s/R_L	C_1	L_2	C_2	L_3	C_3	L_4	C_4
5	1.000	0.977	1.685	2.037	1.685	0.977		
	0.900	0.880	1.456	2.174	1.641	1.274		
	0.800	0.877	1.235	2.379	1.499	1.607		
	0.700	0.926	1.040	2.658	1.323	1.977		
	0.600	1.019	0.863	3.041	1.135	2.424		
	0.500	1.166	0.699	3.584	0.942	3.009		
	0.400	1.398	0.544	4.403	0.749	3.845		
	0.300	1.797	0.398	5.772	0.557	5.193		
	0.200	2.604	0.259	8.514	0.368	7.828		
	0.100	5.041	0.127	16.741	0.182	15.613		
	∞	1.547	1.795	1.645	1.237	0.488		
6	1.101	0.851	1.796	1.841	2.027	1.631	0.937	
	1.111	0.760	1.782	1.775	2.094	1.638	1.053	
	1.250	0.545	1.864	1.489	2.403	1.507	1.504	
	1.429	0.436	2.038	1.266	2.735	1.332	1.899	
	1.667	0.351	2.298	1.061	3.167	1.145	2.357	
	2.000	0.279	2.678	0.867	3.768	0.954	2.948	
	2.500	0.214	3.261	0.682	4.667	0.761	3.790	
	3.333	0.155	4.245	0.503	6.163	0.568	5.143	
	5.000	0.100	6.223	0.330	9.151	0.376	7.785	
	10.000	0.048	12.171	0.162	18.105	0.167	15.595	
	∞	1.551	1.847	1.790	1.598	1.190	0.469	
7	1.000	0.913	1.595	2.002	1.870	2.002	1.595	0.913
	0.900	0.816	1.362	2.089	1.722	2.202	1.581	1.208
	0.800	0.811	1.150	2.262	1.525	2.465	1.464	1.538
	0.700	0.857	0.967	2.516	1.323	2.802	1.307	1.910
	0.600	0.943	0.803	2.872	1.124	3.250	1.131	2.359
	0.500	1.080	0.650	3.382	0.928	3.875	0.947	2.948
	0.400	1.297	0.507	4.156	0.735	4.812	0.758	3.790
	0.300	1.669	0.372	5.454	0.546	6.370	0.568	5.148
	0.200	2.242	0.242	8.057	0.360	9.484	0.378	7.802
	0.100	4.701	0.119	15.872	0.178	18.818	0.188	15.652
	∞	1.559	1.867	1.866	1.765	1.563	1.161	0.456
n	R_s/R_L	L_1	C_2	L_3	C_4	L_5	C_6	L_7
