


ECALC . . . the HELIAX Efficiency Calculator							
FM CHANNEL: 227 is 93.30 MHz				LENGTH: 460 Feet			
DESCRIPTION	TYPE	No.	EFFICIENCY %	SYSTEM COST \$	POWER kW	ATTENUATION dB Total	/100 Ft
1/2 foam	LDF4-50A		49.7	3260.90	3.5	3.036	0.660
7/8 foam	LDF5-50A		68.6	5178.50	7.8	1.638	0.356
1-1/4 foam	LDF6-50		75.5	7612.60	11.7	1.219	0.265
1-5/8 foam	LDF7-50A		79.5	9556.40	15.9	0.998	0.217
1/2 air	HJ4-50		42.8	7351.50	2.5	3.685	0.801
7/8 air	HJ5-50		68.5	8889.10	7.6	1.642	0.357
1-5/8 air	HJ7-50A		80.9	14003.60	17.2	0.920	0.200
2-1/4 air	HJ12-50		84.1	17306.60	23.9	0.750	0.163
3 air	HJ8-50B		86.7	20443.00	44.2	0.621	0.135
4 air	HJ11-50		89.1	23965.00	66.9	0.501	0.109
5 air	HJ9-50		92.3	32513.80	87.2	0.350	0.076
3-1/8 EIA	MACX350		90.0	On App.	60.3	0.455	0.099
6-1/8 EIA	MACX675		95.3	On App.	179.5	0.207	0.045

Press any key . . . and return to the input screen

ERP(kW): **100** **60**
Gain: 5.4 Jampro JSCP-10D
Input(kW): 18.519 11.111
Coax: 0.891 460' of 4" HJ11-50
Combiner: 0.977 Jampro RCCS-322-2.0H
Efficiency: 0.871 0.871

TPO(kW): **21.26** **12.76**

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Mullaney Engineering, Inc.
Member AFCE

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