

6.1 RF Power Out, Final Stage Current and Voltage – Pursuant 47 CFR 2.1033(c)8, 2.1046(a)

The RF power output was measured with the indicated dc voltage applied to, and dc current into the final RF amplifying device. The dc supply voltage was +28V measured at the power supply output.

Transmitter 1 – High Power

Frequency (MHz)	Power Out (W)	Final Stage	
		Current (A)	Voltage (V)
40.125	9.45	3.20	27.09
130.125	14.90	3.81	26.90
156.800	10.0	2.35	27.31
158.125	10.0	2.34	27.32
460.125	9.60	1.53	27.49
820.125	9.48	1.292	27.66
822.125	9.45	1.286	27.66
855.125	9.82	1.348	27.86
867.125	10.0	1.40	27.64
897.125	10.0	1.45	27.62
937.125	8.46	1.525	27.57

Transmitter 1 – Low Power

Frequency (MHz)	Power Out (W)	Final Stage	
		Current (A)	Voltage (V)
40.125	1.0	1.35	27.60
130.125	7.5	2.60	27.26
156.80	1.0	0.85	27.75
158.125	1.0	0.84	27.75
460.125	1.0	0.80	27.79
820.125	0.85	0.50	27.89
822.125	0.848	0.50	27.89
855.125	0.887	0.52	27.89
867.125	0.925	0.51	27.89
897.125	0.90	0.50	27.89
937.125	0.945	0.571	27.86

Transmitter 2 – High Power

Frequency (MHz)	Power Out (W)	Final Stage	
		Current (A)	Voltage (V)
136.125	10.0	0.87	28.0
155.125	9.95	0.91	28.0
173.125	10.20	1.13	28.0

Transmitter 2 – Low Power

Frequency (MHz)	Power Out (W)	Final Stage	
		Current (A)	Voltage (V)
136.125	1.02	0.95	7.28
155.125	1.01	0.86	7.30
173.125	1.0	0.81	7.30

Transmitter 3 – High Power

Frequency (MHz)	Power Out (W)	Final Stage	
		Current (A)	Voltage (V)
450.125	3.66	1.71	7.19
485.125	3.88	2.38	7.09
511.125	3.50	2.13	7.13

Transmitter 3 – Low Power

Frequency (MHz)	Power Out (W)	Final Stage	
		Current (A)	Voltage (V)
450.125	1.035	1.00	7.29
485.125	1.050	1.33	7.24
511.125	1.027	1.32	7.24

Transmitter 4 – High Power

Frequency (MHz)	Power Out (W)	Final Stage	
		Current (A)	Voltage (V)
806.125	3.01	1.70	7.20
815.125	3.04	1.66	7.20
823.9875	2.95	1.61	7.20
851.125	3.02	1.59	7.21
859.125	2.95	1.57	7.21
868.9875	2.97	1.62	7.21

Transmitter 4 – Low Power

Frequency (MHz)	Power Out (W)	Final Stage	
		Current (A)	Voltage (V)
806.125	0.97	0.96	7.30
815.125	1.04	0.95	7.30
823.9875	1.00	0.91	7.31
851.125	1.00	0.83	7.32
859.125	0.99	0.81	7.33
868.9875	1.01	0.80	7.33