

DATA RECORD SHEET

PRODUCT: CAP1000HF+6 exp E

DATE: 1-13-15

TEST: RF Two Tone spacing = 10KHz.

Vdc= 50.0 Idq= 1.5 Hot Freq= HF+6 meters

Pout= 1KW PEP (500Wavg)						Pout= 900W PEP (450Wavg)				
Freq MHz	I Amps	Eff %	Gp dB	Imd3 (-dBc)	Imd5 (-dBc)	I Amps	Eff %	Gp dB	Imd3 (-dBc)	Imd5 (-dBc)
1.8	19.48	51.33	29.32	39.10	36.50	18.50	48.65	29.40	47.00	44.00
3.5	19.20	52.08	28.40	50.50	46.70	18.30	49.18	28.40	44.00	54.90
7	19.30	51.81	27.80	44.40	45.20	18.40	48.91	27.80	41.70	51.70
10	20.30	49.26	27.30	47.00	42.30	19.30	46.63	27.30	44.20	48.40
14	21.73	46.02	26.40	36.50	37.30	20.60	43.69	26.40	41.40	39.30
18	23.00	43.48	25.70	34.80	37.70	21.90	41.10	25.60	38.80	38.90
25	23.82	41.98	23.90	25.60	36.40	22.90	39.30	24.00	27.90	37.30
26	23.50	42.55	23.80	25.90	37.30	22.50	40.00	23.90	28.00	37.90
28	21.70	46.08	24.40	30.10	35.10	20.60	43.69	23.50	33.70	36.10
51	18.10	55.25	23.80	36.80	34.00	16.90	53.25	23.90	46.20	35.80

- * Imds referanced to either tone of a two tone test is measured in -dBc.
- * Imds referanced to PEP is measured in -dB.
- * There is a 6dB difference between the two measurments. To convert one to the other you add or subtract 6dB. Example -30dBc=-36dB.