

TEST REPORT
Page 1 of 4

Gain vs Frequency
Model 417

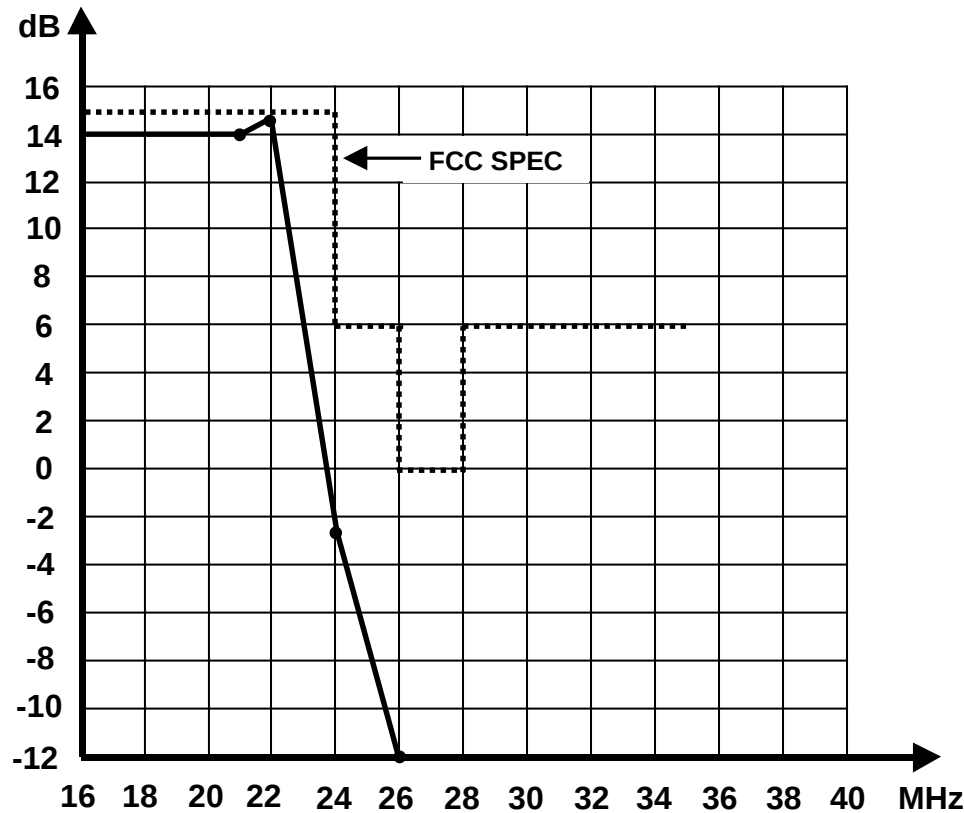
BAND POS.	FREQ	P-in WATTS	P-out WATTS	GAIN dB	HARMONICS dB	
					2 nd	3 rd
160A	1.8	66	1500	13.6	45	65
	1.9	67	1500	13.5	46	65
160B	1.9	72	1500	13.2	52	70
	2.0	70	1500	13.3	54	70
80	3.5	59	1500	14.0	58	70
	4.0	58	1500	14.1	58	72
40A	7.0	53	1500	14.5	54	>70
	7.3	58	1500	14.1	65	>70
40B	7.0	59	1500	14.0	62	>70
	10.12	60	1500	14.0	58	>70
20	14.0	60	1500	14.0	58	>70
	14.35	60	1500	14.0	58	>70
15	21.0	62	1500	13.8	65	>70
	21.45	61	1500	13.9	66	>70

DATA TAKEN BY: Lee Jones

DATE: 9 Jan 03

TEST REPORT
Page 2 of 4

27 MHz notch
Model 417

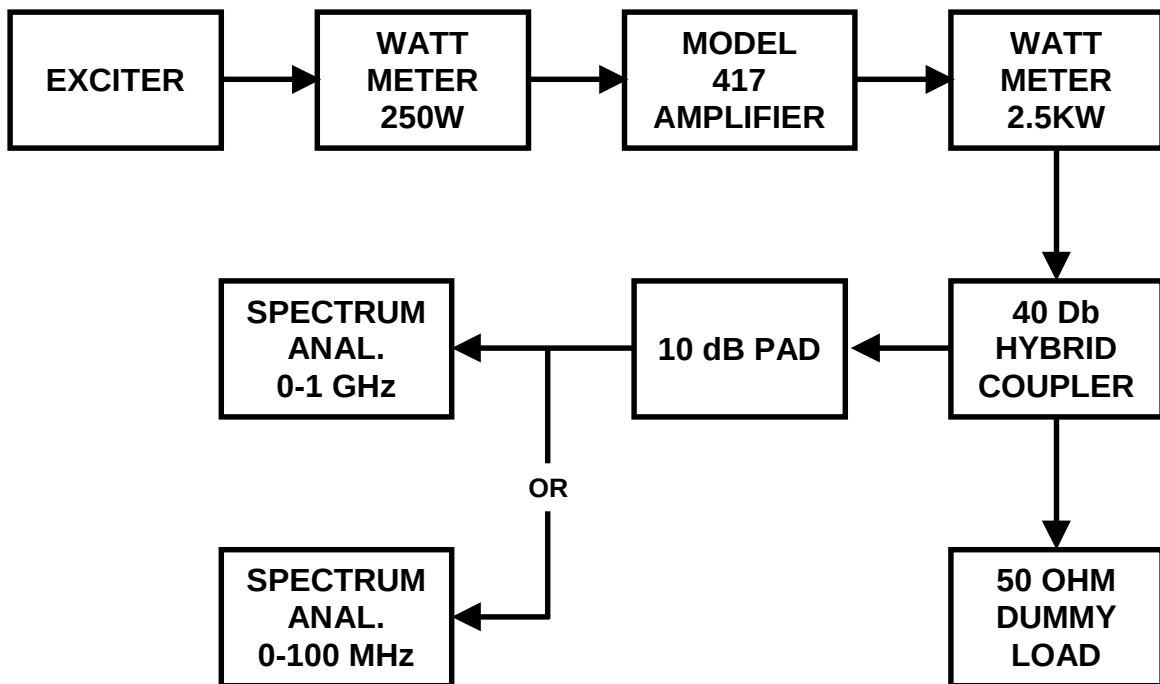


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TEST REPORT
Page 3 of 4

Test setup
Model 417

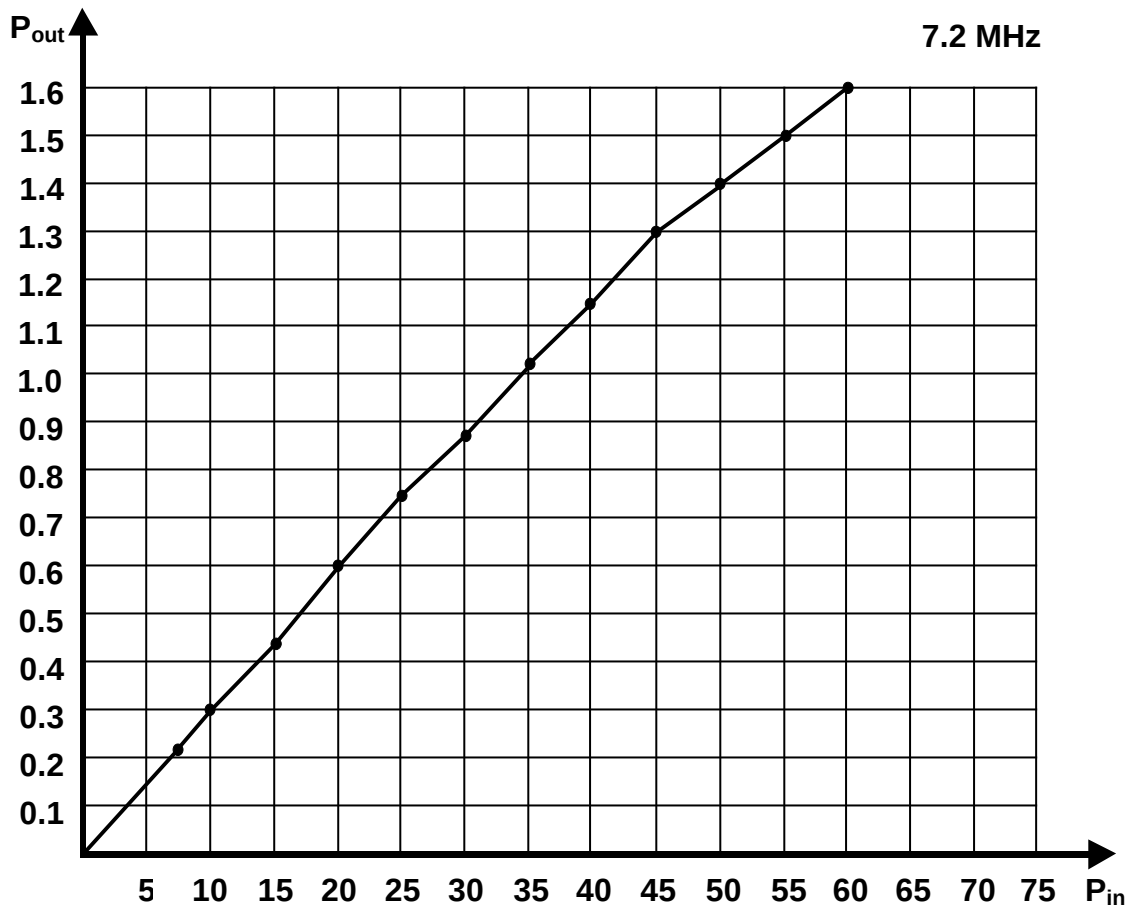


EQUIPMENT USED:

1. TEN-TEC model 564 transceiver, 100 watt output max
2. Bird model 43 wattmeter, 250 watt slug
3. Amplifier under test
4. Bird model 43 wattmeter, 2.5 KW slug
5. 40 dB hybrid coaxial line sampler
6. Bird model 8833 1 KW dummy load
7. 10 dB 50 ohm attenuator
8. Spectrum analyzer, Tektronics 7613, 7L-13, 0-1 GHz
9. Spectrum analyzer, HP 8552B, 8553B, 0-100 MHz

TEST REPORT
Page 4 of 4

Linearity
Model 417



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