

BAND "C"

27 MC to 54 MC (2nd Harmonics 54 MC to 108 MC)
 (4th Harmonics 108 MC to 216 MC)

Fundamental Frequency	2nd Harmonic	4th Harmonic	Var. OSC Harmonic	XTL Harmonic
27.00	54.00	108.00		
*27.50	55.00	110.00	2	11
28.33	56.66	113.32	3	17
28.75	57.50	115.00	4	23
*30.00	60.00	120.00	1	6
31.67	63.34	126.68	3	19
*32.50	65.00	130.00	2	13
33.33	66.66	133.32	3	20
*35.00	70.00	140.00	1	7
36.67	73.34	146.68	3	22
*37.50	75.00	150.00	2	15
38.75	77.50	155.00	2	31
*40.00	80.00	160.00	1	16
41.25	82.50	165.00	2	33
*42.50	85.00	170.00	1	17
43.75	87.50	175.00	2	35
*45.00	90.00	180.00	1	18
46.25	92.50	185.00	2	37
*47.50	95.00	190.00	1	19
48.75	97.50	195.00	2	39
*50.00	100.00	200.00	1	20
51.25	102.50	205.00	2	41
52.50	105.00	210.00	1	21
*53.75	107.50	215.00	2	43
54.00	108.00	216.00		

F. USING VIDEO MODULATION

1. Video modulating the Marker Generator

To check overall operation of a television set on any channel it is possible to use the TVG-2 as a miniature transmitter.

The procedure is as follows:

- a. Turn the instrument on and set the MARKER selector to the "Variable" position.
- b. Set the RANGE switch to Band "C" and the dial to the Picture Carrier frequency of the channel to be checked.
- c. Connect the RF OUTPUT cable to the antenna terminals of the television receiver to be checked.
- d. Tune in a picture from a television station on a normal operating television set.
- e. Using a shielded lead, feed the video signal from the TV set picture tube grid into the TVG-2 through the VIDEO MOD connector. A 0.1 mfd condenser should be used in series to isolate the DC voltage from the set.
- f. If the picture appears reversed (negative picture) on the screen of the set under test, adjust the contrast control on the set feeding the video signal.