Western Broadcast Services

Engineering • Programming • Management Consultants

1030 WEST EVELYN AVENUE
SUNNYVALE, CALIF. 94086
PHONE (408) 738-2100

_____ 19____

Engineer in Charge
Federal Communications Commission
323 A Customhouse
San Francisco, California

Dear Sir:

This will advise that Radio Station _____, _____
is logging the following equipment status as dated below:

____ Out of service: ____ Out of tolerance or calibration:

_____ Date _____
_____ Date _____
_____ Date _____

During repair period, the following procedure will be used to insure normal operation:

_____
_____
_____

Expected date of completion of repairs: _____

____ In service: ____ Restored to normal operation:

_____ Date _____
_____ Date _____
_____ Date _____

Upon completion, calibration of measuring equipment is certified correct as follows:

_____
_____
By_____ Date_____

____ Permission is requested to proceed as indicated above.

Sincerely,

_____
_____

WBS Form #210-6814

Page number_____

Engineering data used in this report has been obtained through measurements made by _____ and _____ _____ on the following dates and times:

Item:	Date measured	Time

Transmitter parameters maintained during all measurements were as follows:

Test equipment used for all measurements for this report:

Description	Make	Model	Serial #	Date cal.	Cal. by

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The following meters and test instruments are a part of radio station _____, and have been checked and /or calibrated by Western Broadcast Services on dates shown.

ITEM	READING	ACTUAL VALUE	DATE CAL.	CAL.BY
Final plate voltmeter	_____V.	_____V.	19_____	_____
Final plate ammeter	_____A.	_____A.	19_____	_____
Antenna or CP ammeter	_____A.	_____A.	19_____	_____
Frequency monitor	_____Kc.	_____Kc.	19_____	_____
Modulation monitor	_____Kc.	_____Kc.	19_____	_____
	_____Kc.	_____Kc.	19_____	_____
	_____Kc.	_____Kc.	19_____	_____
	_____Kc.	_____KC.	19_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

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FM STEREO SYSTEM PERFORMANCE DATA

(A) Pilot carrier frequency measured at _____Hz.

(B) Pilot carrier modulation of main carrier _____%.

(C) Sub-carrier #1 frequency measured _____Hz.

(D) Sub-carrier #1 modulation of main carrier _____%.

(E) Sub-carrier #2 frequency measured _____Hz.

(F) Sub-carrier #2 modulation of main carrier_____%.

(G) Measured separation data:

Frequency in Hertz	Phase difference Main to Stereo sub	Separation in DB Left to right	Separation in DB Right to left
50	_____	_____	_____
100	_____	_____	_____
400	_____	_____	_____
1000	_____	_____	_____
5000	_____	_____	_____
10,000	_____	_____	_____
15,000	_____	_____	_____

_____ channel frequency response and distortion data:

Freq.	Input level for				Distortion (total harmonic)			
Hz.	25% Mod.	50%	85%	100%	at 25% Mod.	50%	85%	100%
30								
50								
100								
400								
1000								
5000								
7500								
10,000								
15,000								
20,000								

AM Noise level _____ db below 100% modulation.

FM Noise level _____ db below 100% modulation.

Carrier shift data (400 Hz modulating frequency)

Modulation percentage	25%	50%	85%	100%
Carrier shift percentage				

WORK SHEET FOR FM STATIONS ONLY

	50	100	400	1000	5000	10,000	15,000
100%	+0.2	+0.2	±0	-0.6	-8.0	-13.4	-16.6
			±0				
50%	+0.2	+0.2	±0	-0.6	-8.0	-13.4	-16.6
			±0				
25%	+0.2	+0.2	±0	-0.6	-8.0	-13.4	-16.6
			±0				

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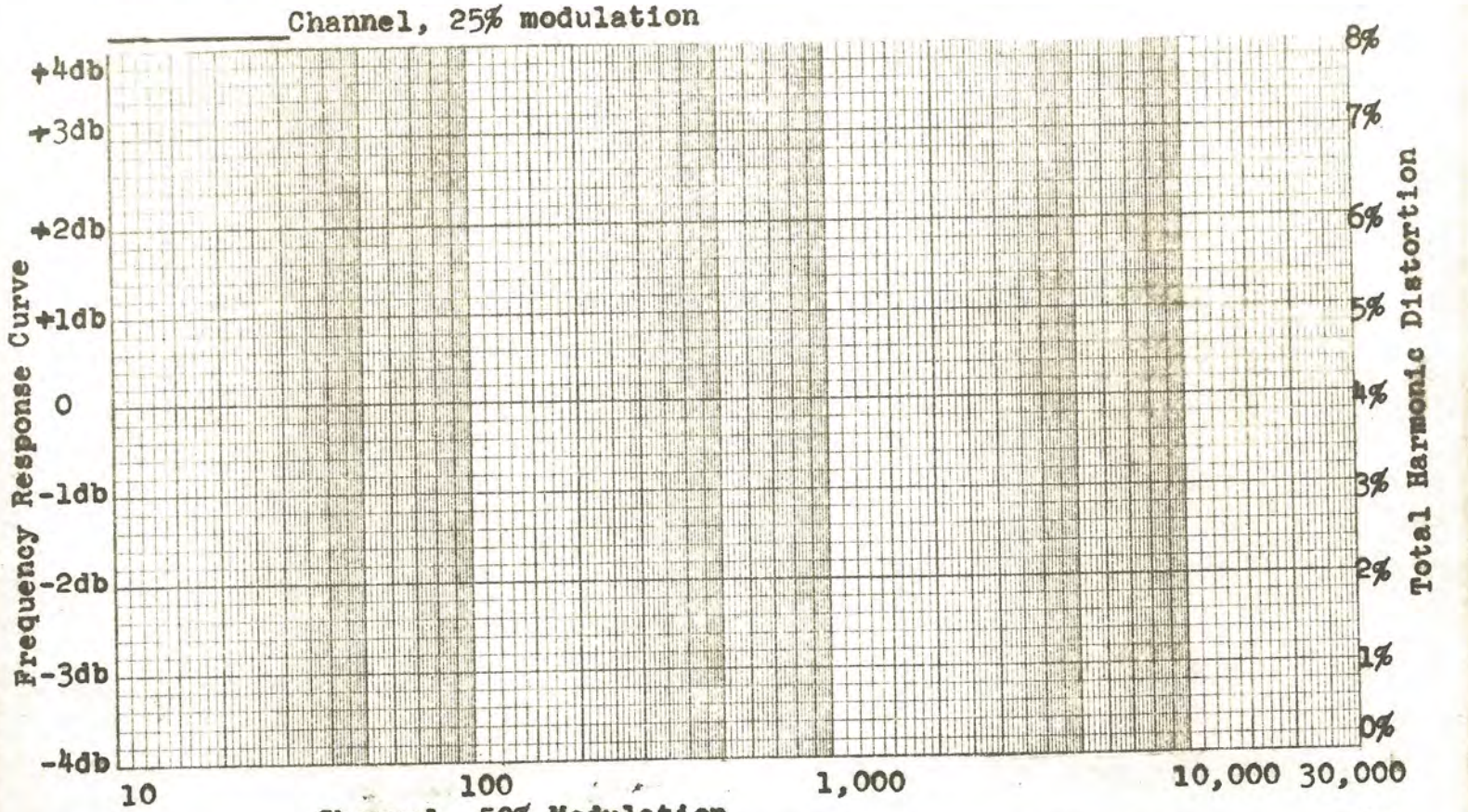

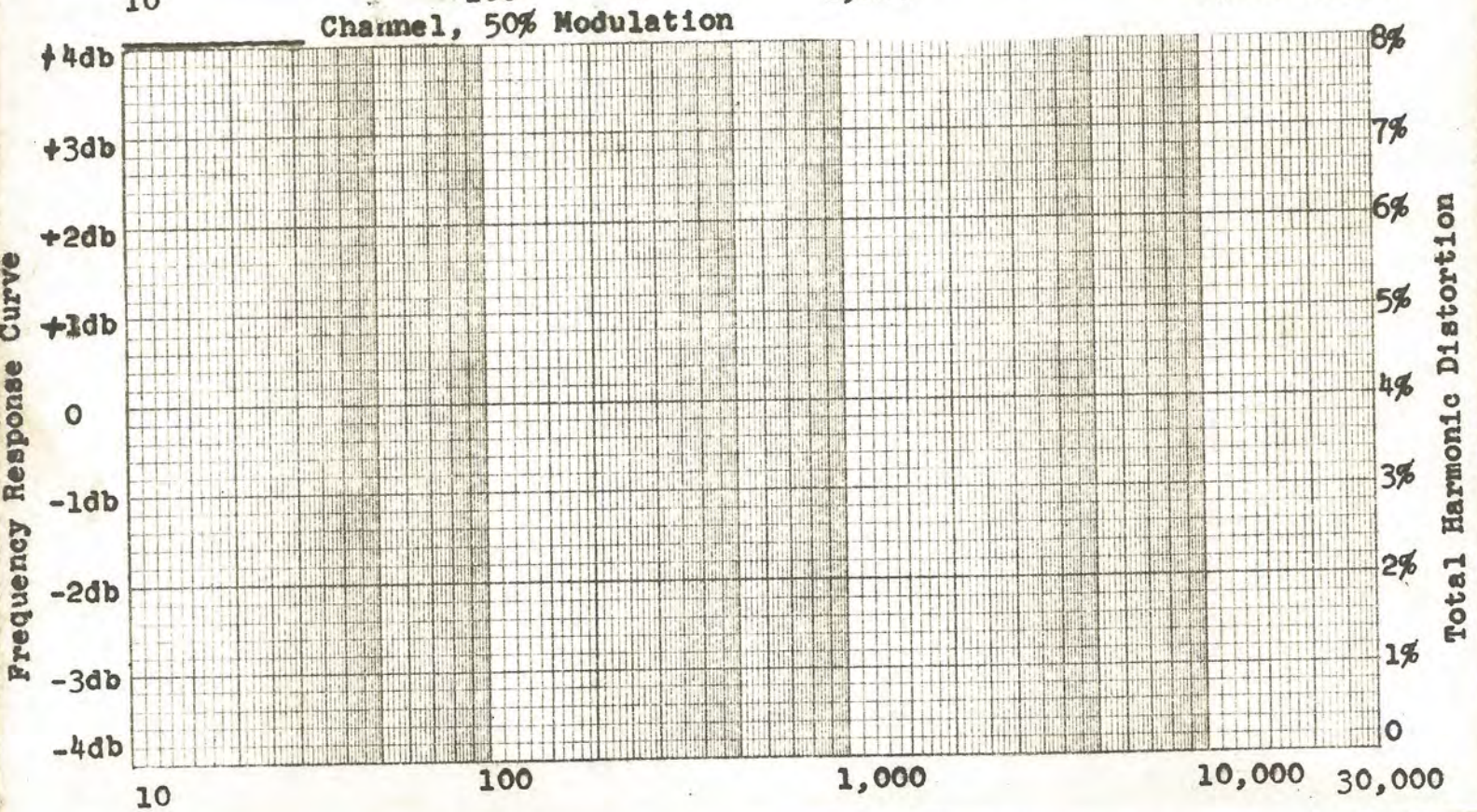

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Harmonic and spurious emission data measurements made at _____ which is _____ miles from the transmitter antenna (s), on the _____ radial from True North. Field strength at carrier frequency was_____ mv/meter.

Description	Frequency	Level observed	DB down from carrier level
2nd harmonic			
3rd harmonic			
4th harmonic			
5th harmonic			
6th harmonic			
7th harmonic			
8th harmonic			
9th harmonic			
10 th harmonic			
11th harmonic			
12th harmonic			
13th harmonic			
14th harmonic			
15th harmonic			

PART #	IN USE	SPARES REQ'D.	DATE: ON HAND	DATE: ORDERED	DATE: ON HAND	DATE: ORDERED	DATE: ON HAND	DATE: ORDERED