#### 2021

### SURVEY OF

# **AM EMISSION NRSC-2**

## PERFORMANCE

#### KCRO 660-AM RADIO FOR

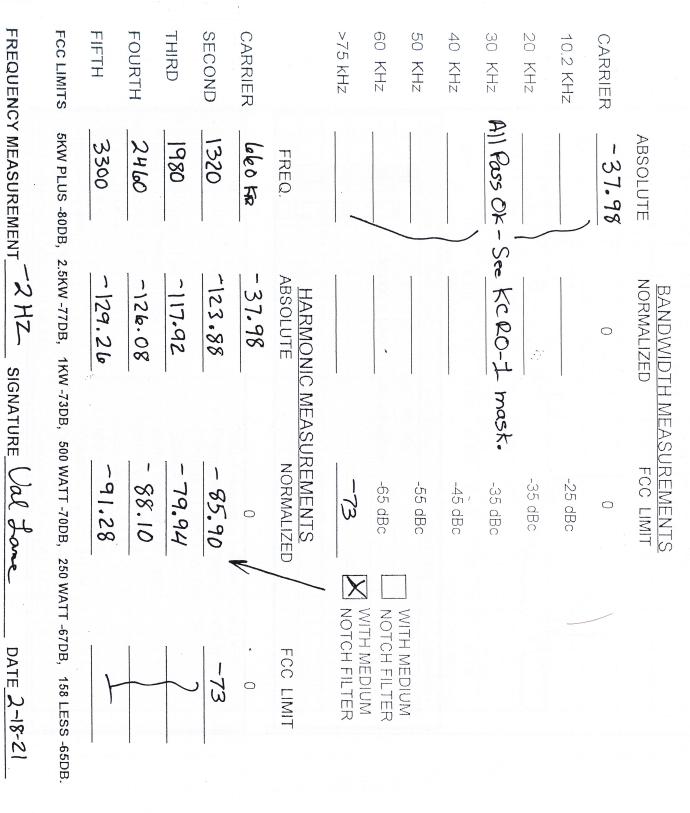
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# **EMISSION MEASUREMENT DATA SHEET**

MONITOR POIN	ON 2/18/2021	WERE TAKEN (	<b>EMISSION PER</b>
MONITOR POINT I OCATION Apx. 2 7:10 Swaf tower.	2021	WERE TAKEN ON STATION KCRO	EMISSION PERFORMANCE MEASUREMENTS AS REQUIRED BY THE FCC RULE
Q. 2 7.10 S	BETWEEN	RO FREQU	UREMENTS AS F
wat tower.	12:50 AN	FREQUENCY 660 Kmz, KW	REQUIRED BY THE
	AND 1:150m	N W	FCC RULES 7
	LOCAL TIME.	(OMNI) / DA	3.44 AND 73.1590

METHODOLOGY

INCREASED OR DECREASED FROM THE STATION UNDER TEST. A ANRITSU MS2711D SPECTRUM ANALYZER WAS USED. DURING BANDWIDTH MEASUREMENTS A RESOLUTION BANDWIDTH OF 300 Hz WAS USED AND A CHRIS SCOTT LOW LOSS AM NOTCH FILTER MAY HAVE BEEN USED TO IMPROVE THE +-75 Khz PLUS, NOISE FLOOR READINGS. FOR HARMONIC MEASUREMENTS, TO MINIMIZE INTERMODULATION CREATED IN THE "FRONT END" OF THE ANALYZER, A MEDIUM FREQUENCY NOTCH FILTER WAS USED. BEFORE EACH HARMONIC MEASUREMENT WAS TAKEN THE FILTER WAS APPLIED AND TUNED FOR THE BEST NULL AT THE CARRIER FREQUENCY. THE FILTER HAS BEEN TESTED AND HAS LITTLE OR NO ATTENUATION OR INSERTION LOSS AT THE HARMONIC FREQUENCIES. MEASURING VAN WAS DRIVEN TO A LOCATION APPROXIMATELY ONE KILOMETER FROM THE TOWER SITE, OR AS INDICATED ABOVE. A MODEL LP-3 SHIELDED LOOP ANTENNA, MANUFACTURED BY CHRIS SCOTT AND ASSOCIATES WAS USED FOR THESE MEASUREMENTS. THE ANTENNA WAS ROTATED TO GIVE MAXIMUM SIGNAL FROM THE STATION UNDER TEST, WHILE OTHER SIGNALS WERE WATCHED TO SEE IF THEIR LEVELS INCREASED OR DECREASED FROM THE STATION UNDER TEST. A ANRITSU MS2711D SPECTRUM ANALYZER WAS USED. DURING BANDWIDTH



PASS

TEST OK) /

**DID NOT PASS** 

