2019

SURVEY OF

AM EMISSION

PERFORMANCE

FOR

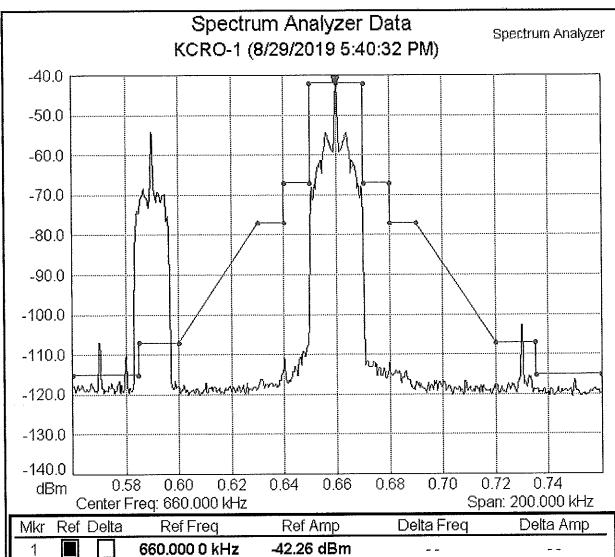
KCRO 660-AM RADIO

BY
VAL LANE
CENTRAL ELECTRONICS
1911 CENTRAL AVE.
KEARNEY, NE 68847
308-236-7201
8 / 29 / 2019

AM EMISSION MEASUREMENT DATA SHEET

						70 // AND 70 /500
EMISSION WERE TAK	PERFORMANCE (EN ON STATION	MEASUREMENTS I KCRO F	REQUENCY 6	BY THE FO 60 KNZ	CC RULES <i>i</i> . KW	3.44 AND 73.1590/ OMNN/ DA
ON	8-29-2019	BETWEE	N 5:30pm	AND_	5:45pm	LOCAL TIME.
MONITOR	POINT LOCATIO	N <u>Apx.</u>	.25 mile SW of	tower.		
LP-3 SHIELDED WAS ROTATED INCREASED OR MEASUREMENT IMPROVE THE + "FRONT END" O FILTER WAS AP	LOOP ANTENNA, MANUI TO GIVE MAXIMUM SIGN DECREASED FROM THE S A RESOLUTION BAND TO TO THE TO THE ANALYZER, A MED PLIED AND TUNED FOR	LOOR READINGS, FOR HA	ITT AND ASSOCIATES W. NDER TEST, WHILE OTH A ANRITSU MS2711D SP ED AND A CHRIS SCOTT ARMONIC MEASUREMEN FILTER WAS USED. BEF ARRIER FREQUENCY. T	AS USED FOR THER SIGNALS WEETRUM ANALT LOW LOSS AMERS, TO MINIMIZED FORE EACH HA	THESE MEASUREI VERE WATCHED 1 YZER WAS USED. I NOTCH FILTER M ZE INTERMODULA RMONIC MEASUR	MENTS. THE ANTENNA TO SEE IF THEIR LEVELS DURING BANDWIDTH MAY HAVE BEEN USED TO TION CREATED IN THE EMENT WAS TAKEN THE
	.•	BANDWID	TH MEASURE <u>N</u>	/FNTS		
	ABSOLUTE	NORMALIZE		LIMIT	•	
CARRIER	-42.26	0		0		
10.2 KHz			-25	5 dBc ·		
20 KHz			-35	5 dBc		
30 KHz	Pass allok	· —	-3	5 dBc		
40 KHz	SEE KCR	.0-1	-4	5 dBc		
50 KHz		-	-5	5 dBc) A CITTLE	A & C TO 11 18 4
60 KHz			 -6	5 dBc	1 1	MEDIUM H FILTER
>75 kHz	/			13dBc	WITH I	MEDIUM H FILTER
	FREQ.	<u>HARMONI</u> ABSOLUTE	C MEASUREM NOR	ENTS MALIZED	/ F	CC LIMIT
CARRIER	leleo Khz	-42.46		o V		0
SECOND	1320	-115.42		72.96(-7	<i>1</i> 3) _	-73
THIRD	1980	-116.15	- 7	3.69	_	
FOURTH	2460	-126.35	-8	3.89	_	
FIFTH	33 0 0	-125.20	-8	2.74		
FCC LIMITS	5KW PLUS -80DE	3, 2.5KW -77DB, 1K	W -73DB, 500 WAT	T-70DB, 2	50 WATT -67D	B, 158 LESS -65DB.
FREQUENC	CY MEASUREME	NT_2HZ_ 8	SIGNATURE <u>Va</u>	l Lan	<u> </u>	DATE 8/29/2019

PASS TEST OK) / DID NOT PASS



Mkr	Ref Delta	Ref Freq	Ref Amp	Delta Freq	Delta Amp
1		660.000 0 kHz	-42.26 dBm		
2					
3					<u> </u>
4		A. A.L.			
5					
6					

Trace A data:

Trace Mode = Max Hold

Preamp = OFF

Min Sweep Time = 0.001 S

Reference Level Offset = 0 dB

Input Attenuation = 0.0 dB

RBW = 300.0 Hz

VBW = 100.0 Hz

Detection = Peak

Center Frequency = 660.000 000 kHz

Start Frequency = 560.000 000 kHz

Stop Frequency = 760.000 000 kHz

Frequency Span = 200.000 000 kHz

Reference Level = -40.000 dBm

Scale = 10.0 dB/div

