2020

SURVEY OF AM EMISSION NRSC-2 PERFORMANCE

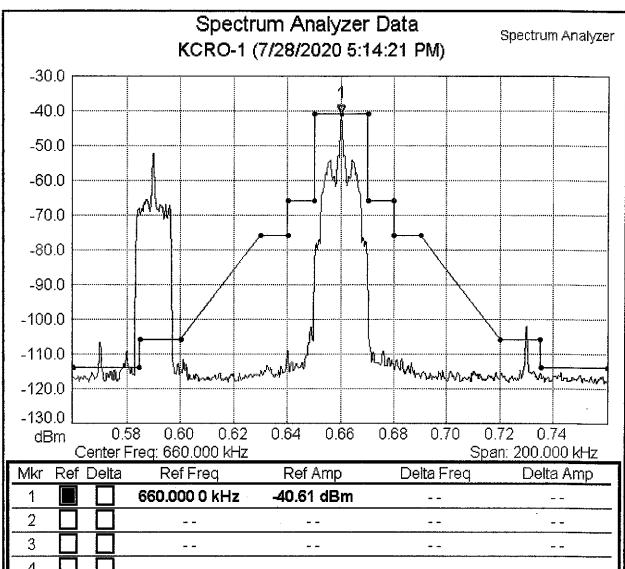
FOR

KCRO 660-AM RADIO

BY
VAL LANE
CENTRAL ELECTRONICS
1911 CENTRAL AVE.
KEARNEY, NE 68847
308-236-7201
7 / 28 / 2020

AM EMISSION MEASUREMENT DATA SHEET

	PERFORMANCE M			UIRED BY	THE FC	C RULES	73.44 AND 73.	1590
	EN ON STATION_ 7-28-2020	KCRO , F BETWEE	REQUEN	icy <u>b</u> w	AND	KW_1		DA ME
T: -	POINT LOCATION		-2 mil	e Swaf			LOCAL II	IVIE.
LP-3 SHIELDED I WAS ROTATED INCREASED OR MEASUREMENT IMPROVE THE +- "FRONT END" OF FILTER WAS API	N WAS DRIVEN TO A LOCAT LOOP ANTENNA, MANUFAC TO GIVE MAXIMUM SIGNAL DECREASED FROM THE ST S A RESOLUTION BANDWID - 75 Khz PLUS, NOISE FLOC THE ANALYZER, A MEDIUN PLIED AND TUNED FOR THE OR INSERTION LOSS AT THE	TURED BY CHRIS SCO FROM THE STATION UI ATION UNDER TEST. ITH OF 300 Hz WAS USI OR READINGS. FOR HA I FREQUENCY NOTCH E BEST NULL AT THE C	OTT AND ASSINDER TEST, A ANRITSU N ED AND A CH ARMONIC ME, FILTER WAS ARRIER FREG	TER FROM THE OCIATES WAS I WHILE OTHER IS2711D SPECT IRIS SCOTT LOV ASUREMENTS, USED. BEFOR	USED FOR TH SIGNALS WE FRUM ANALYZ W LOSS AM N TO MINIMIZE E EACH HARI	HESE MEASUR TRE WATCHED YER WAS USE! IOTCH FILTER INTERMODUL MONIC MEASU	EMENTS. THE ANTEN TO SEE IF THEIR LEV D. DURING BANDWIDT MAY HAVE BEEN USE ATION CREATED IN TI IREMENT WAS TAKEN	NA ÆLS TH D TO HE THE
نمر د پی د ه	ABSOLUTE	BANDWID NORMALIZED		SUREME FCC L				
CARRIER	-40.61	0		0				
10.2 KH z				-25 d	Вс			
20 K Hz		·		-35 d	Вс			
30 KHz	PASS All-OK	See KCRO)-1	-35 c	dBc			
40 KHz				-45 c	dBc			
50 KHz				-55 c	dBc r	WITH	MEDIUM	
60 KH z				-65 c	iBc [— иотс	CH FILTER MEDIUM	
>75 kHz				-73	dBc_	Y I	CH FILTER	
	FREQ.	HARMONI ABSOLUTE	C MEAS	NORM/		early of many	FCC LIMIT	
CARRIER	660 Khz	-40.61					0	
SECOND	1320	-111.83	. (<u>-71.</u>	22 Not	se Floor)	⁻ 73	
THIRD	1980	- 117.96		-77.3	35			
FOURTH	2460	-126.60		<u>-85.9</u>	1 9			
FIFTH	3300	-125.29		-84.	68		<u></u>	
LIMITS	5KW PLUS -80DB,	2.5KW -77DB, 1K	W -73DB,	500 WATT -	70DB, 250) WATT -67I	DB, 158 LESS -65	DB.
FREQUENC	Y MEASUREMENT						date <u> 7-28</u> -2	0
		PASS TEST C	OK) /	DID NOT	PASS			



1		660.000 0 kHz	-40.61 dBm		
2					
3				<u>-</u>	
4			<u> </u>		-
5		<u> </u>			-
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 = 3.0 kHz

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 = -30.000 dBm

Scale = 10.0 dB/div

Serial Number = 802149

Base Ver. = V4.32

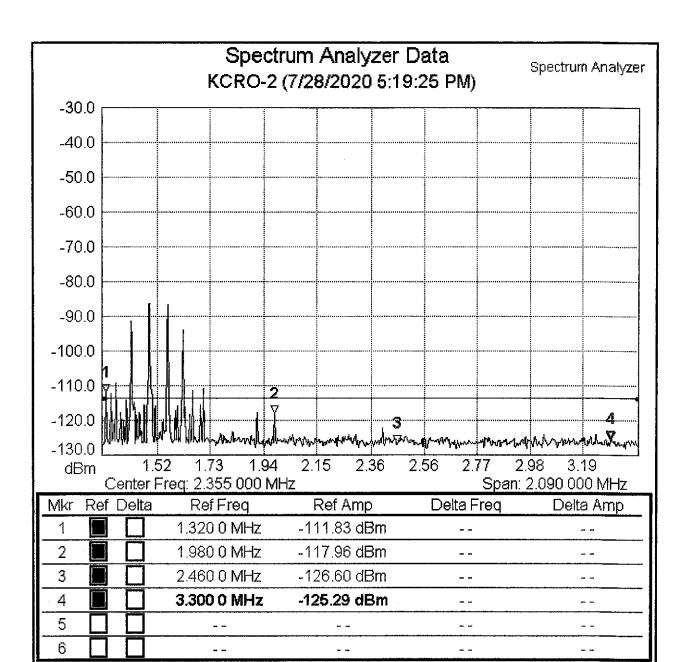
App Ver. = V5.73

Model = MT8222A

Options = 19, 25, 27, 31, 37, 66, 67

Date = 7/28/2020 5:14:21 PM

Device Name = VAL-MT8222A



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

 $RBW = 100.0 \, Hz$

VBW = 30.0 Hz

Detection = Peak

Center Frequency = 2.355 000 MHz

Start Frequency = 1.310 000 MHz

Stop Frequency = 3,400 000 MHz

Frequency Span = 2.090 000 MHz

Reference Level = -30.000 dBm

Scale = 10.0 dB/div

Serial Number = 802149

Base Ver. = V4.32

App Ver. = V5.73

Model = MT8222A

Options = 19, 25, 27, 31, 37, 66, 67

Date = 7/28/2020 5:19:25 PM

Device Name = VAL-MT8222A