U.S. Department
of Transportation

**United States
Coast Guard**

Commander
Coast Guard Activities

PSC 802 Box 50
FPO AE 09499-1400
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Phone: 44-71-872-0943

16562

12 MAR 1992

From: Commander, Coast Guard Activities, Europe
To: Commanding Officer, Coast Guard Electronics Engineering Center, Wildwood NJ

Subj: EECEN LORAN-C SPECTRUM MEASUREMENT SET

1. We were pleased with the performance of your Spectrum Measurement Set during our recent visit to loran station Sandur, Iceland. You will find the results of our in-band energy and harmonic distortion tests enclosed for your information.

2. We have found this equipment both useful and easy to operate. Thanks from the field for the quality product.

Craig P. Coy

CRAIG P. COY
Acting

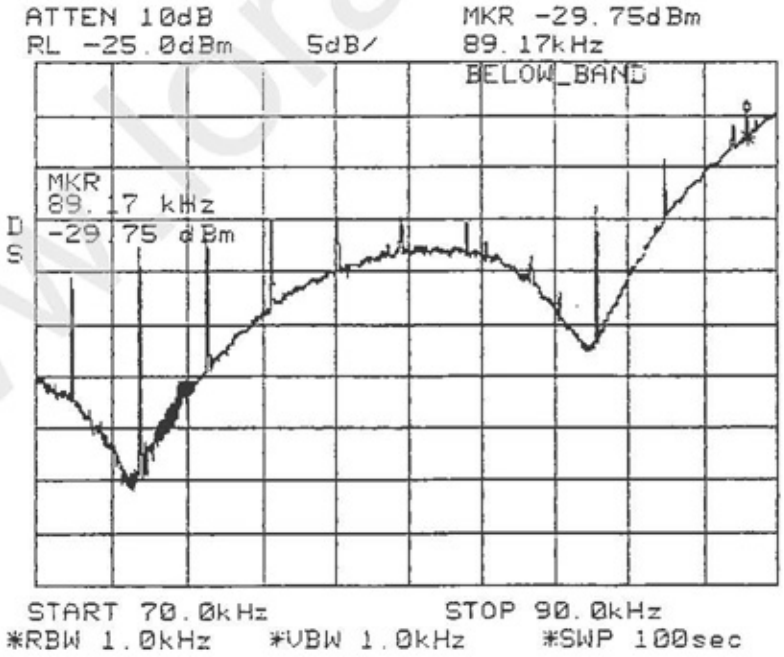
Encl: (1) In-band Energy Measurements from Lorsta Sandur
(2) Harmonic Measurements from Lorsta Sandur

Copy: COCO 7970/9980 w/o encl

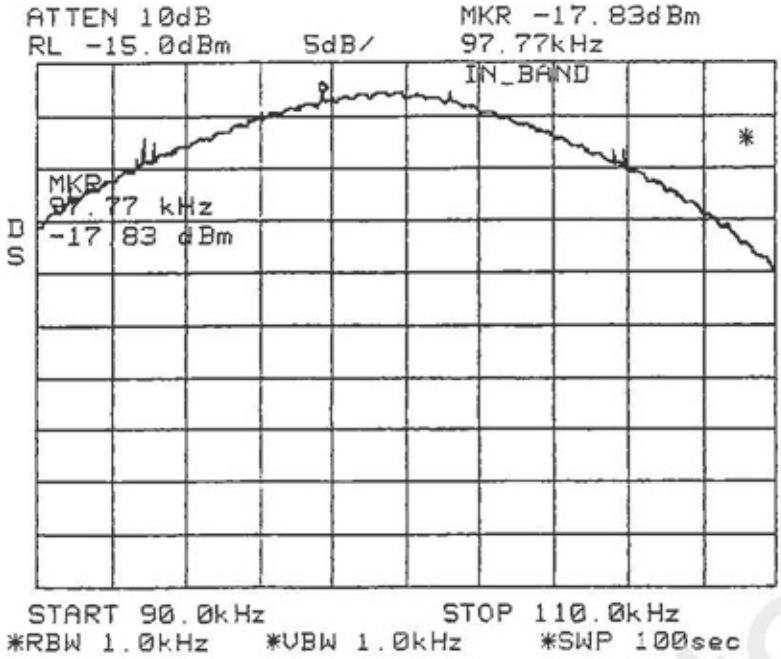
LORSTA Sandur 05 Nov 91
Xmtr 2 Serial 8
In-band Energy Test

SUMMARY OF RESULTS

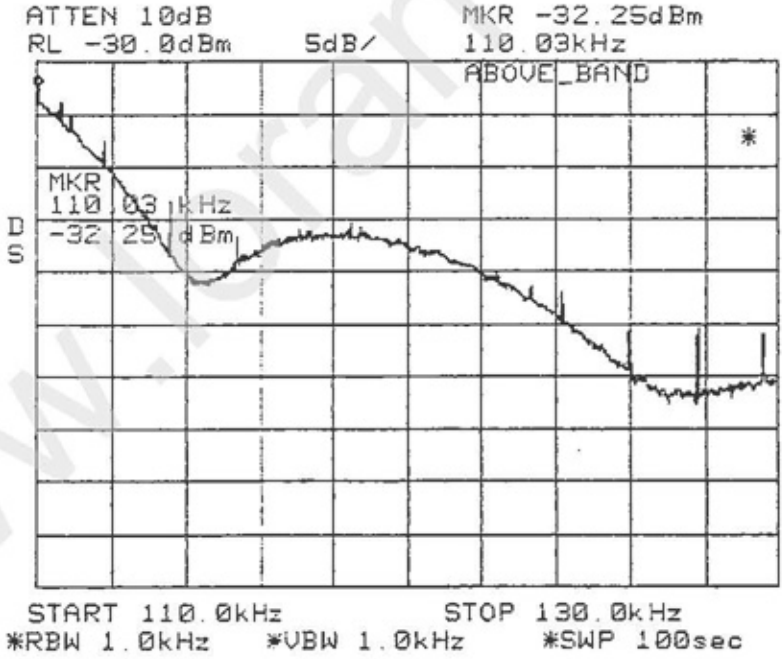
		SIGNAL SPEC
PERCENT IN BAND ENERGY =	98.215	>99.0
PERCENT BELOW BAND ENERGY =	1.297	<.5
PERCENT ABOVE BAND ENERGY =	.488	<.5



Enclosure (1)



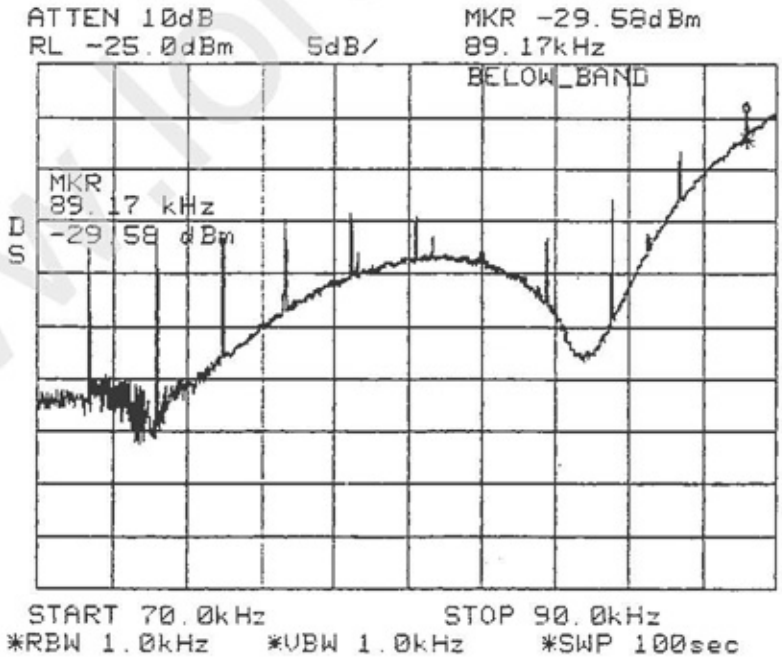
LORSTA Sandur
05 Nov 91
Xmtr 2 Serial 8
In-band Energy Test



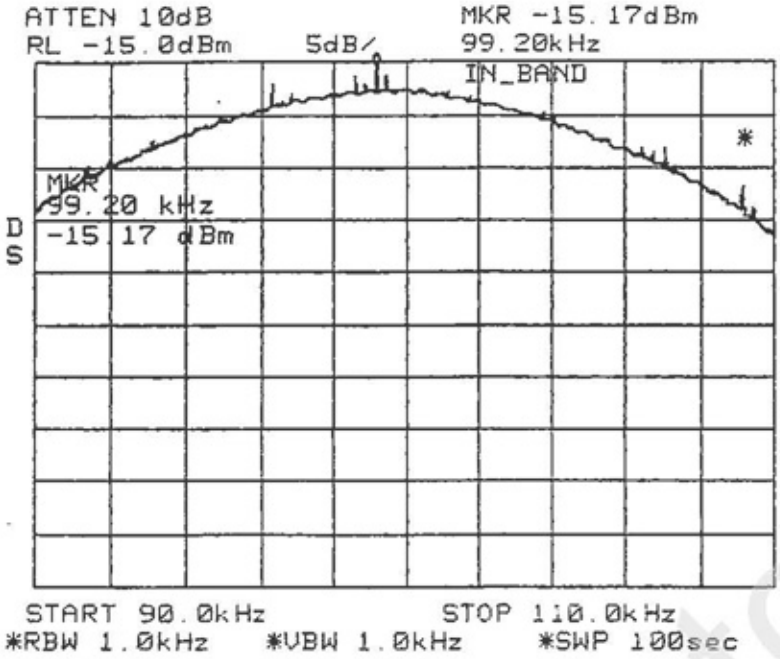
LORSTA Sandur
04 Nov 91 16:00
Xmtr 1 Serial 7
In-band Energy Test

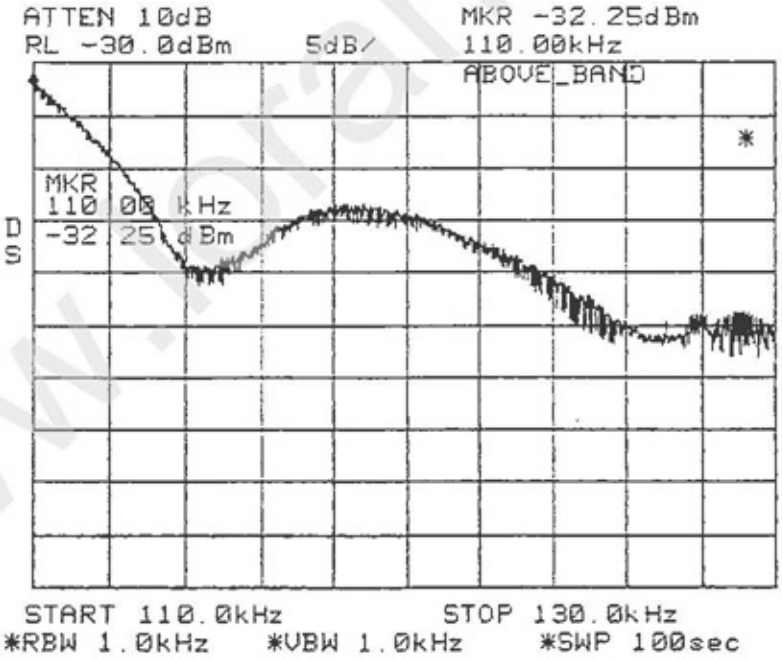
SUMMARY OF RESULTS

			SIGNAL SPEC.
PERCENT IN BAND ENERGY	=	98.327	>99.0
PERCENT BELOW BAND ENERGY	=	1.075	<.5
PERCENT ABOVE BAND ENERGY	=	.598	<.5



LORSTA Sandur
04 Nov 91 16:00
Xmtr 1 Serial 7
In-band Energy Test

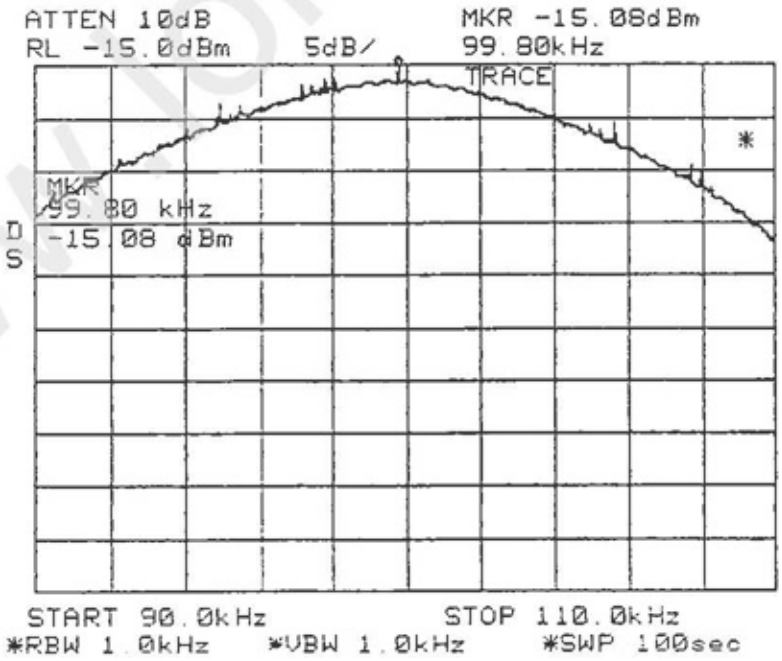




LORSTA Sandur
05 Nov 91
Xmtr 2 Serial 8
Harmonic Measurement

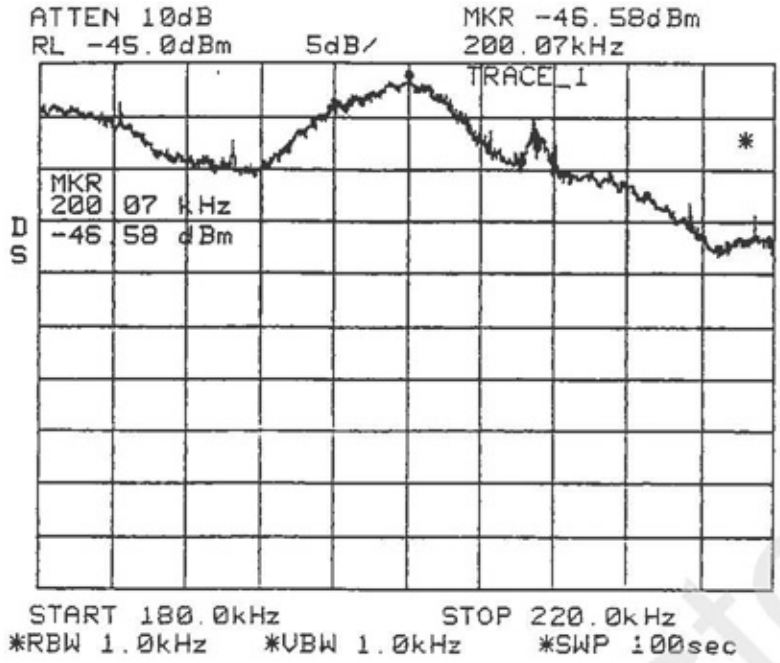
SUMMARY OF RESULTS

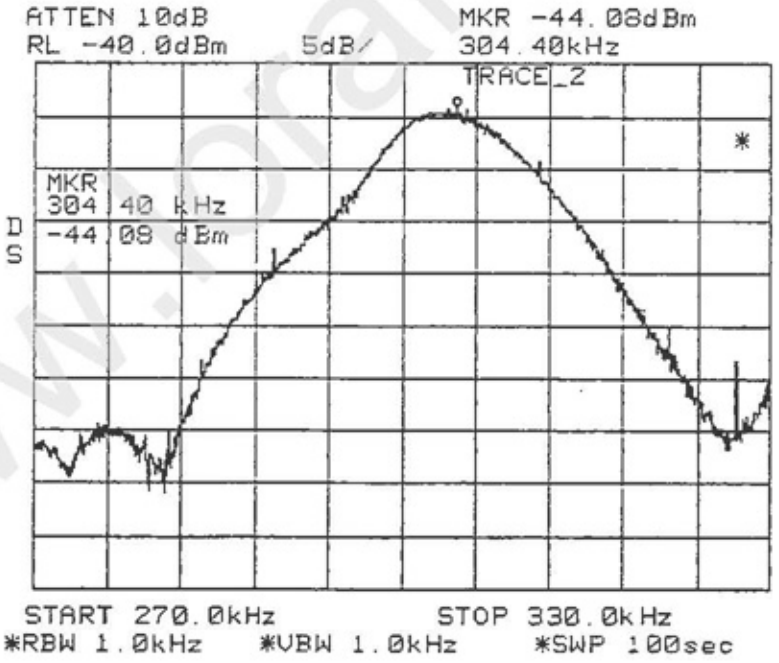
FREQ. (KHZ)	PEAK POWER (dBm)	IN-LINE ATTEN. (dB)	HARM. LEVEL (dB)
100	-15.08	40.00	N/A
200	-46.58	0	69.00
300	-44.08	10.00	57.00
400	-51.00	0	73.92
500	-47.50	0	70.42



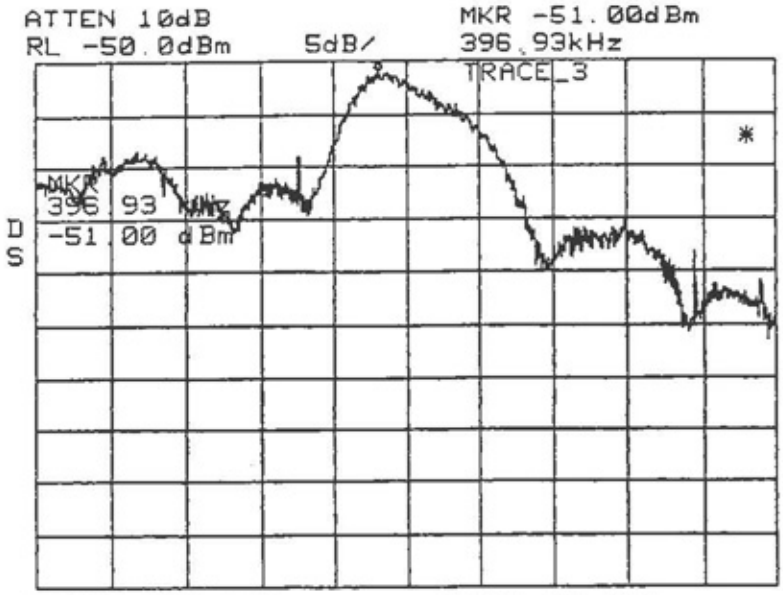
Enclosure (2)

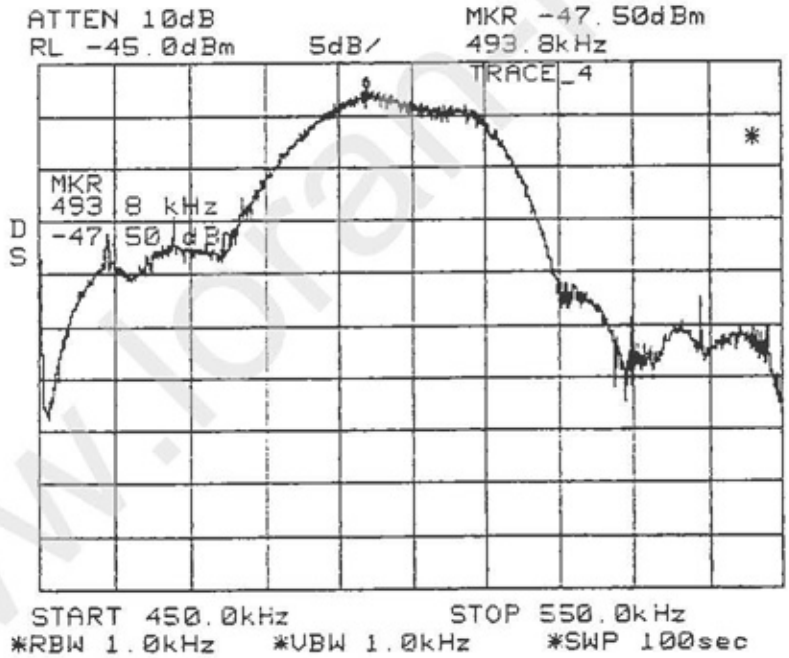
LORSTA Sandur
05 Nov 91
Xmtr 2 Serial 8
Harmonic Measurement





LORSTA Sandur
05 Nov 91
Xmtr 2 Serial 8
Harmonic Measurement

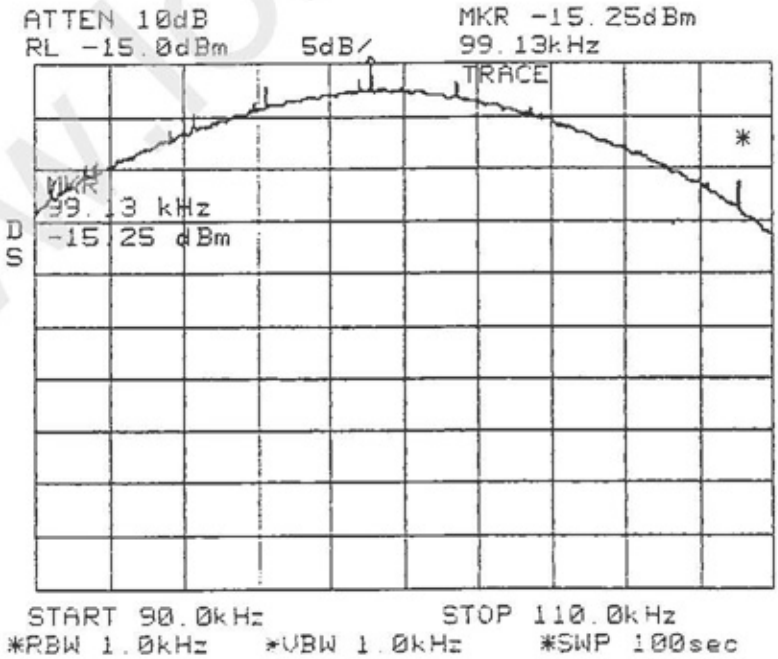




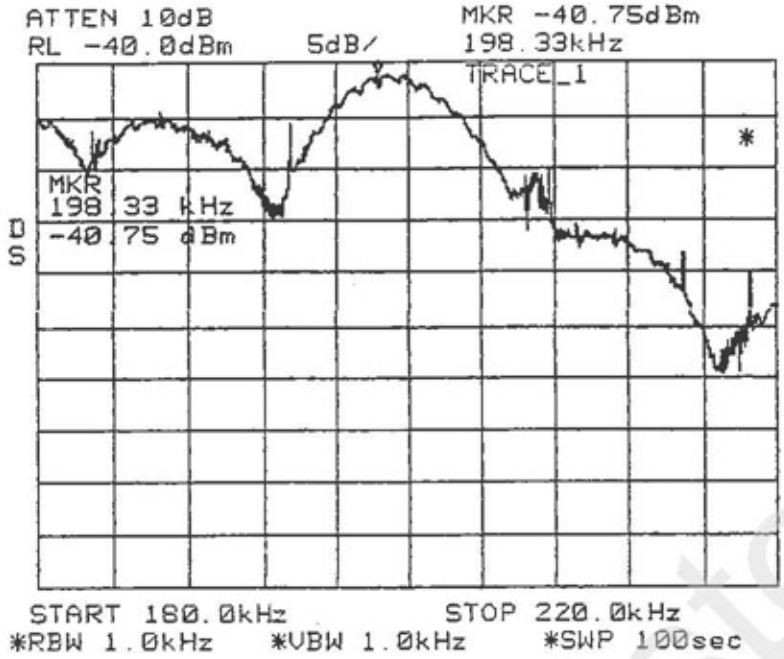
LORSTA Sandur
04 Nov 91 14:00
Xmtr 1 Serial 7
Harmonic Measurement

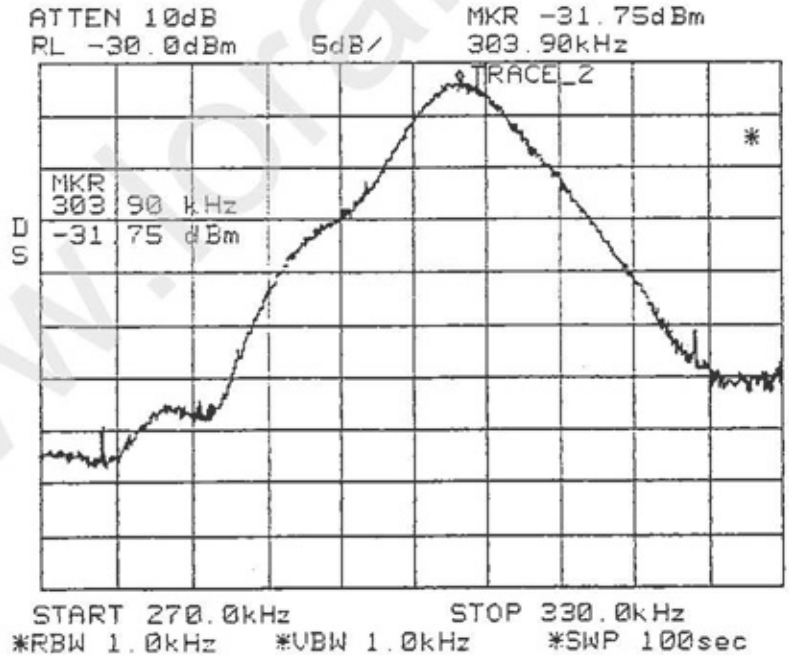
SUMMARY OF RESULTS

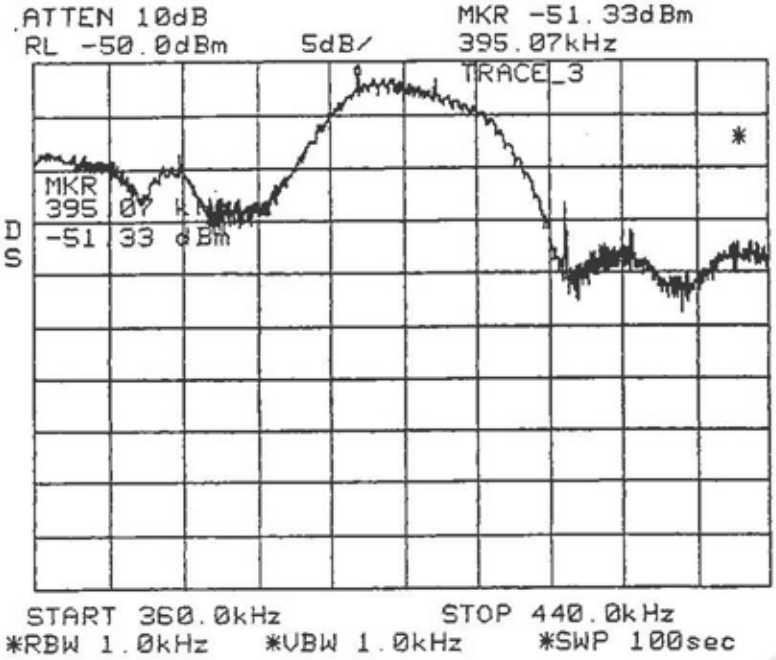
FREQ. (KHZ)	PEAK POWER (dBm)	IN-LINE ATTEN. (dB)	HARM. LEVEL (dB)
100	-15.25	40.00	N/A
200	-40.75	0	63.00
300	-31.75	0	54.50
400	-51.33	0	74.08
500	-49.08	0	71.83



LORSTA Sandur
04 Nov 91 14:00
Xmtr 1 Serial 7
Harmonic Measurement







LORSTA Sandur
04 Nov 91 14:00
Xmtr 1 Serial 7
Harmonic Measurement