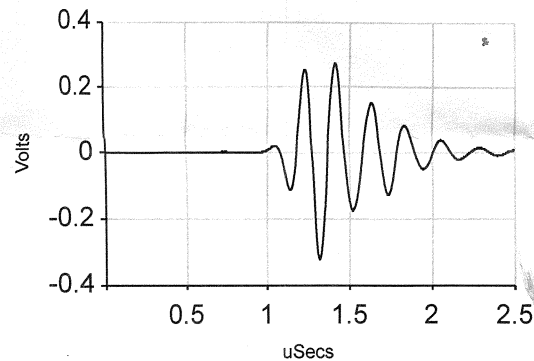
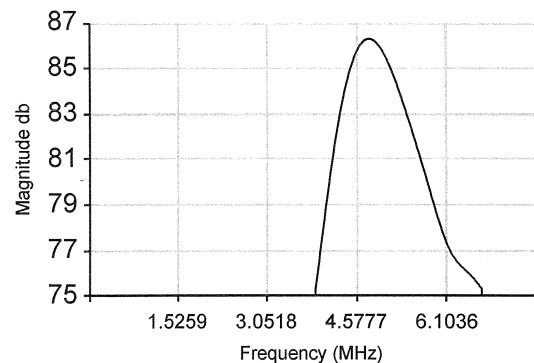


Transducer Certificate of Conformity	
Part Number	113-294-740
Description	FDEP--XDCR DU 5X.5X1MD
Serial Number	24E00NJH
Test Result	Pass
Test Date	05/29/2024
Inspector	JG
Test Procedure	0511093

Real Time Waveform


* Waveform is first return echo from indicated target.

Frequency Spectrum

Test Data

Test Parameter	Units	Lower Spec Lim.	Measured	Upper Spec Lim.
Loop Sensitivity	dB	NA	-47.06	NA
Center Frequency	MHz	4.5	4.92	5.5
Peak Frequency	MHz	4.5	4.79	5.5
Bandwidth @ -6dB	%	28	32	NA
20dB Ringdown	µs	NA	0.97	1.2
JSR Gain	dB	NA	-3.6	8

Calibrated Test Equipment

Item	Description	Serial No.	Cal. Due
Pulser	JSR DPR300	DF0102	12/06/2024
Oscilloscope	Tektronix TDS2012C	C051687	01/17/2025
Target	1.0" 303 STEEL	1168/20	7/11/2024
Func. Generator	NA	NA	NA

JSR Pulser Settings

Rec. Imp.	Pul. Imp.	Energy	Voltage	Mode	HP Filter	LP Filter
288 Ohms	LOW	HIGH	300	THRU	1.0 MHz	22.5 MHz

Declaration:

The Ultrasonic Transducer in this document has been performance tested and meets all manufacturing specifications.

We certify that the product mentioned was subjected to a quality inspection and testing procedure. It conforms to our manufacturing drawings, meets our specifications and compliant to ASTM E-1065 guidelines. All measuring tools used for testing are calibrated and traceable to national or international standards. Our quality management system is certified according to EN ISO 9001.

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