

초 음 파 탐 상 검 사
(ULTRASONIC TESTING)

보고서 번호 : KSET-UT-17-0511-02

공사명 : 연호고가교외 2개소 정밀안전진단용역

발 주 처 동부순환도로주식회사

공 사 명 연호고가교외 2개소 정밀안전진단용역

검사일자 2017년 05월 11일

검사장소 범안대교현장

검사수량 152 POINTS

KUMSAN 주식회사 금산기술검사



REPORT OF ULTRASONIC EXAMINATION

초음파탐상검사보고서

주식회사금산기술검사 KUM SAN ENGINEERING & TESTING CO., LTD. 경기도 안양시 만안구 안양로 405번길 17		Report No. 보고서번호		KSET-UT-17-0511-02													
		Date of 검사일자		2017년 05월 11일													
		Page No. 페이지번호		1 of 10													
Owner/Customer 주문주/고객		동부순환도로주식회사		Project Name/No. 공사명/공사번호													
				연호고가교외 2개소 정밀안전진단용역													
Item Name/No. 제품명/제품번호		Plate, BOX 형교		Test Method 검사방법													
				Contact + Normal													
Material/Thick. 재질/두께		12 ~ 28 ☒ mm ☐ in.		Surface Condition 표면상태													
				☐ As Ground연마 ☒ As Welded용접 ☐ As Casted 주조 ☐ As Machined가공													
Weld Method 용접 방법		☐ GTAW ☐ SMAW ☐ GMAW ☐ SAW ☒ FCAW ☐		Joint Configuration 용접 모양													
				☐ I ☐ V ☒ X ☐ K ☐													
App. Code 적용 규격		KS B 0896		App. Procedure No. 적용 절차서번호													
				KSET-NP-UT-001													
				Rev. 개정													
Testing Equipment 검사장비			Transducer 탐촉자														
Maker 제조사 : SONATEST			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Maker 제조사</td> <td>Freq.(Mhz) 주파수</td> <td>S / N (일련번호)</td> <td>Angle 각도(°)</td> <td>Size (mm) 크기</td> <td>T.C (dB) 전이보상</td> </tr> <tr> <td>KDE</td> <td>4MHz</td> <td>H6175</td> <td>70</td> <td>8X9</td> <td></td> </tr> </table>			Maker 제조사	Freq.(Mhz) 주파수	S / N (일련번호)	Angle 각도(°)	Size (mm) 크기	T.C (dB) 전이보상	KDE	4MHz	H6175	70	8X9	
Maker 제조사	Freq.(Mhz) 주파수	S / N (일련번호)	Angle 각도(°)	Size (mm) 크기	T.C (dB) 전이보상												
KDE	4MHz	H6175	70	8X9													
Model 모 델 : SS150																	
S/N 일련번호 : 1006498																	
Screen Height Linearity 스크린 높이 직선성			Reference Level														
5% 전스크린높이			60db														
Amplitude Control Linearity 증폭 직선성			기준감도														
20% 전스크린높이																	
Calibration Block 교정시험편		IIW TYPE I(V1 BLOCK), V2 BLOCK, R/BLOCK		Exam. Temperature 검사 온도													
				15℃													
Test Angle 시험 각도		☐ 0° ☐ 45° ☐ 60° ☒ 70° ☐		Calibration Angle 교정 각도													
				70 Degree													
Back Reflection 저면 반사		80%		Couplant 접촉매질													
				☐ Glycerine ☐ Oil ☒ C.M.C ☐ Grease ☐ Water ☐													
Exam. Method 검사 방법		☒ Contact 직접접촉 ☐ Immerse수침법 ☐ Straight Beam 수직 ☐ Angle Beam 사각															
Identification No. 확인 번호	Accept 합격	Reject 불합격	Grade 등급	Location 위치 From "X" From "Y"	Defect Length 결함 길이	Depth 깊이	DAC Max. 보상곡선 최대	Remarks 비고									
G1-S1-P1	V		1		N O N E			범물동방향									
G1-S1-P2	V		1		N O N E			범물동방향									
G1-S2-P3	V		1		N O N E			범물동방향									
G1-S2-P4	V		1		N O N E			범물동방향									
G1-S3-P5	V		1		N O N E			범물동방향									
G1-S3-P6	V		1		N O N E			범물동방향									
If Necessary, Sketch on Line or Attached 필요시, 실선안에 스케치하거나 또는 첨부할 것																	
Examined by 검사자		박 승 철 Name/성명		기사 / LEVELII Qualification/자격		Date of Report 작성일자											
						2017년 05월 11일											
						☐ Witnessed by 입 회											
Approved by 승인자		문 종 호 Name/성명		기사 / LEVELIII Qualification/자격		☐ Reviewed by 검 토											

REPORT OF ULTRASONIC EXAMINATION

초음파탐상검사보고서

주식회사금산기술검사 KUM SAN ENGINEERING & TESTING CO., LTD. 경기도 안양시 만안구 안양로405번길 17				Report No. 보고서번호		KSET-UT-17-0511-02	
				Date of 검사일자		2017년 05월 11일	
				Page No. 페이지번호		2 of 10	

Identification No. 확인번호	Accept 합	Reject 불	Grade 등급	Location 위치		Defect Length 결함길이	Depth 깊이	DAC Max. 보상곡선 최대	Remarks 비고
				From "X"	From "Y"				
G1-S4-P7	V		1			N O N E			범물동방향
G1-S4-P8	V		1			N O N E			범물동방향
G1-S5-P9	V		1			N O N E			범물동방향
G1-S5-P10	V		1			N O N E			범물동방향
G1-S6-P11	V		1			N O N E			범물동방향
G1-S6-P12	V		1			N O N E			범물동방향
G1-S7-P13	V		1			N O N E			범물동방향
G1-S7-P14	V		1			N O N E			범물동방향
G1-S8-P15	V		1			N O N E			범물동방향
G1-S8-P16	V		1			N O N E			범물동방향
G1-S9-P17	V		1			N O N E			범물동방향
G1-S9-P18	V		1			N O N E			범물동방향
G1-S10-P19	V		1			N O N E			범물동방향
G1-S10-P20	V		1			N O N E			범물동방향
G1-S11-P21	V		1			N O N E			범물동방향
G1-S11-P22	V		1			N O N E			범물동방향
G2-S1-P1	V		1			N O N E			범물동방향
G2-S1-P2	V		1			N O N E			범물동방향
G2-S2-P3	V		1			N O N E			범물동방향
G2-S2-P4	V		1			N O N E			범물동방향
G2-S3-P5	V		1			N O N E			범물동방향
G2-S3-P6	V		1			N O N E			범물동방향
G2-S4-P7	V		1			N O N E			범물동방향
G2-S4-P8	V		1			N O N E			범물동방향
G2-S5-P9	V		1			N O N E			범물동방향
G2-S5-P10	V		1			N O N E			범물동방향
G2-S6-P11	V		1			N O N E			범물동방향
G2-S6-P12	V		1			N O N E			범물동방향
G2-S7-P13	V		1			N O N E			범물동방향
G2-S7-P14	V		1			N O N E			범물동방향

KUM SAN ENGINEERING & TESTING CO.,LTD
KSET-QF-035(갑)-01 (Rev.0)

REPORT OF ULTRASONIC EXAMINATION

초음파탐상검사보고서

 주식회사금산기술검사 KUM SAN ENGINEERING & TESTING CO., LTD 경기도 안양시 만안구 안양로405번길 17				Report No. 보고서번호	KSET-UT-17-0511-02				
				Date of 검사일자	2017년 05월 11일				
				Page No. 페이지번호	3 of 10				
Identification No. 확인번호	Accept 합	Reject 불	Grade 등급	Location 위치		Defect Length 결함길이	Depth 깊이	DAC Max. 보상곡선 최대	Remarks 비고
				From "X"	From "Y"				
G2-S8-P15	V		1			N O N E			범물동방향
G2-S8-P16	V		1			N O N E			범물동방향
G2-S9-P17	V		1			N O N E			범물동방향
G2-S9-P18	V		1			N O N E			범물동방향
G2-S10-P19	V		1			N O N E			범물동방향
G2-S10-P20	V		1			N O N E			범물동방향
G2-S11-P21	V		1			N O N E			범물동방향
G2-S11-P22	V		1			N O N E			범물동방향
G3-S1-P1	V		1			N O N E			범물동방향
G3-S1-P2	V		1			N O N E			범물동방향
G3-S2-P3	V		1			N O N E			범물동방향
G3-S2-P4	V		1			N O N E			범물동방향
G3-S3-P5	V		1			N O N E			범물동방향
G3-S3-P6	V		1			N O N E			범물동방향
G3-S4-P7	V		1			N O N E			범물동방향
G3-S4-P8	V		1			N O N E			범물동방향
G3-S5-P9	V		1			N O N E			범물동방향
G3-S5-P10	V		1			N O N E			범물동방향
G3-S6-P11	V		1			N O N E			범물동방향
G3-S6-P12	V		1			N O N E			범물동방향
G3-S7-P13	V		1			N O N E			범물동방향
G3-S7-P14	V		1			N O N E			범물동방향
G3-S8-P15	V		1			N O N E			범물동방향
G3-S8-P16	V		1			N O N E			범물동방향
G3-S9-P17	V		1			N O N E			범물동방향
G3-S9-P18	V		1			N O N E			범물동방향
G3-S10-P19	V		1			N O N E			범물동방향
G3-S10-P20	V		1			N O N E			범물동방향
G3-S11-P21	V		1			N O N E			범물동방향
G3-S11-P22	V		1			N O N E			범물동방향

KUM SAN ENGINEERING & TESTING CO.,LTD
KSET-QF-035(갑)-01 (Rev.0)

REPORT OF ULTRASONIC EXAMINATION

초음파탐상검사보고서

 주식회사금산기술검사 KUM SAN ENGINEERING & TESTING CO., LTD 경기도 안양시 만안구 안양로405번길 17					Report No. 보고서번호	KSET-UT-17-0511-02		
					Date of 검사일자	2017년 05월 11일		
					Page No. 페이지번호	4 of 10		

Identification No. 확인 번호	Accept 합	Reject 불	Grade 등급	Location 위치		Defect Length 결함 길이	Depth 깊이	DAC Max. 보상곡선 최대	Remarks 비고
				From "X"	From "Y"				
G4-S1-P1	V		1			N O N E			범물동방향
G4-S1-P2	V		1			N O N E			범물동방향
G5-S1-P1	V		1			N O N E			범물동방향
G5-S1-P2	V		1			N O N E			범물동방향
G6-S1-P1	V		1			N O N E			범물동방향
G6-S1-P2	V		1			N O N E			범물동방향
G1-S1-P1	V		1			N O N E			도동방향
G1-S1-P2	V		1			N O N E			도동방향
G1-S2-P3	V		1			N O N E			도동방향
G1-S2-P4	V		1			N O N E			도동방향
G1-S3-P5	V		1			N O N E			도동방향
G1-S3-P6	V		1			N O N E			도동방향
G1-S4-P7	V		1			N O N E			도동방향
G1-S4-P8	V		1			N O N E			도동방향
G1-S5-P9	V		1			N O N E			도동방향
G1-S5-P10	V		1			N O N E			도동방향
G1-S6-P11	V		1			N O N E			도동방향
G1-S6-P12	V		1			N O N E			도동방향
G1-S7-P13	V		1			N O N E			도동방향
G1-S7-P14	V		1			N O N E			도동방향
G1-S8-P15	V		1			N O N E			도동방향
G1-S8-P16	V		1			N O N E			도동방향
G1-S9-P17	V		1			N O N E			도동방향
G1-S9-P18	V		1			N O N E			도동방향
G1-S10-P19	V		1			N O N E			도동방향
G1-S10-P20	V		1			N O N E			도동방향
G1-S11-P21	V		1			N O N E			도동방향
G1-S11-P22	V		1			N O N E			도동방향
G2-S1-P1	V		1			N O N E			도동방향
G2-S1-P2	V		1			N O N E			도동방향
G2-S2-P3	V		1			N O N E			도동방향

KUM SAN ENGINEERING & TESTING CO.,LTD
KSET-QF-035(갑)-01 (Rev.0)

REPORT OF ULTRASONIC EXAMINATION

초음파탐상검사보고서

 주식회사금산기술검사 KUM SAN ENGINEERING & TESTING CO., LTD. 경기도 안양시 만안구 안양로405번길 17				Report No. 보고서번호	KSET-UT-17-0511-02			
				Date of 검사일자	2017년 05월 11일			
				Page No. 페이지번호	5 of 10			

Identification No. 확인번호	Accept 합	Reject 불	Grade 등급	Location 위치		Defect Length 결함길이	Depth 깊이	DAC Max. 보상곡선 최대	Remarks 비고
				From "X"	From "Y"				
G2-S2-P4	V		1			N O N E			도동방향
G2-S3-P5	V		1			N O N E			도동방향
G2-S3-P6	V		1			N O N E			도동방향
G2-S4-P7	V		1			N O N E			도동방향
G2-S4-P8	V		1			N O N E			도동방향
G2-S5-P9	V		1			N O N E			도동방향
G2-S5-P10	V		1			N O N E			도동방향
G2-S6-P11	V		1			N O N E			도동방향
G2-S6-P12	V		1			N O N E			도동방향
G2-S7-P13	V		1			N O N E			도동방향
G2-S7-P14	V		1			N O N E			도동방향
G2-S8-P15	V		1			N O N E			도동방향
G2-S8-P16	V		1			N O N E			도동방향
G2-S9-P17	V		1			N O N E			도동방향
G2-S9-P18	V		1			N O N E			도동방향
G2-S10-P19	V		1			N O N E			도동방향
G2-S10-P20	V		1			N O N E			도동방향
G2-S11-P21	V		1			N O N E			도동방향
G2-S11-P22	V		1			N O N E			도동방향
G3-S1-P1	V		1			N O N E			도동방향
G3-S1-P2	V		1			N O N E			도동방향
G3-S2-P3	V		1			N O N E			도동방향
G3-S2-P4	V		1			N O N E			도동방향
G3-S3-P5	V		1			N O N E			도동방향
G3-S3-P6	V		1			N O N E			도동방향
G3-S4-P7	V		1			N O N E			도동방향
G3-S4-P8	V		1			N O N E			도동방향
G3-S5-P9	V		1			N O N E			도동방향
G3-S5-P10	V		1			N O N E			도동방향
G3-S6-P11	V		1			N O N E			도동방향

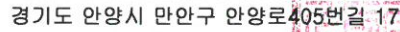
KUM SAN ENGINEERING & TESTING CO.,LTD
KSET-QF-035(갑)-01 (Rev.0)

REPORT OF ULTRASONIC EXAMINATION

초음파탐상검사보고서

 주식회사금산기술검사 KUM SAN ENGINEERING & TESTING CO., LTD 경기도 안양시 만안구 안양로405번길 17					Report No. 보고서번호	KSET-UT-17-0511-02			
					Date of 검사일자	2017년 05월 11일			
					Page No. 페이지번호	6 of 10			
Identification No. 확인번호	Accept 합	Reject 불	Grade 등급	Location 위치		Defect Length 결함길이	Depth 깊이	DAC Max. 보상곡선 최대	Remarks 비고
				From "X"	From "Y"				
G3-S6-P12	V		1			N O N E			도동방향
G3-S7-P13	V		1			N O N E			도동방향
G3-S7-P14	V		1			N O N E			도동방향
G3-S8-P15	V		1			N O N E			도동방향
G3-S8-P16	V		1			N O N E			도동방향
G3-S9-P17	V		1			N O N E			도동방향
G3-S9-P18	V		1			N O N E			도동방향
G3-S10-P19	V		1			N O N E			도동방향
G3-S10-P20	V		1			N O N E			도동방향
G3-S11-P21	V		1			N O N E			도동방향
G3-S11-P22	V		1			N O N E			도동방향
G4-S1-P1	V		1			N O N E			도동방향
G4-S1-P2	V		1			N O N E			도동방향
G4-S5-P3	V		1			N O N E			도동방향
G4-S5-P4	V		1			N O N E			도동방향
G4-S6-P5	V		1			N O N E			도동방향
G4-S6-P6	V		1			N O N E			도동방향
G4-S7-P7	V		1			N O N E			도동방향
G4-S7-P8	V		1			N O N E			도동방향
G4-S8-P9	V		1			N O N E			도동방향
G4-S8-P10	V		1			N O N E			도동방향
G5-S1-P1	V		1			N O N E			도동방향
G5-S1-P2	V		1			N O N E			도동방향
G6-S1-P1	V		1			N O N E			도동방향
G6-S1-P2	V		1			N O N E			도동방향
						TOTAL : 152 POINTS			

초음파탐상검사보고서



7 of 10

KSET-QF-035(을)-01 (Rev.0)

REPORT OF ULTRASONIC EXAMINATION 초음파탐상검사보고서



주식회사금산기술검사

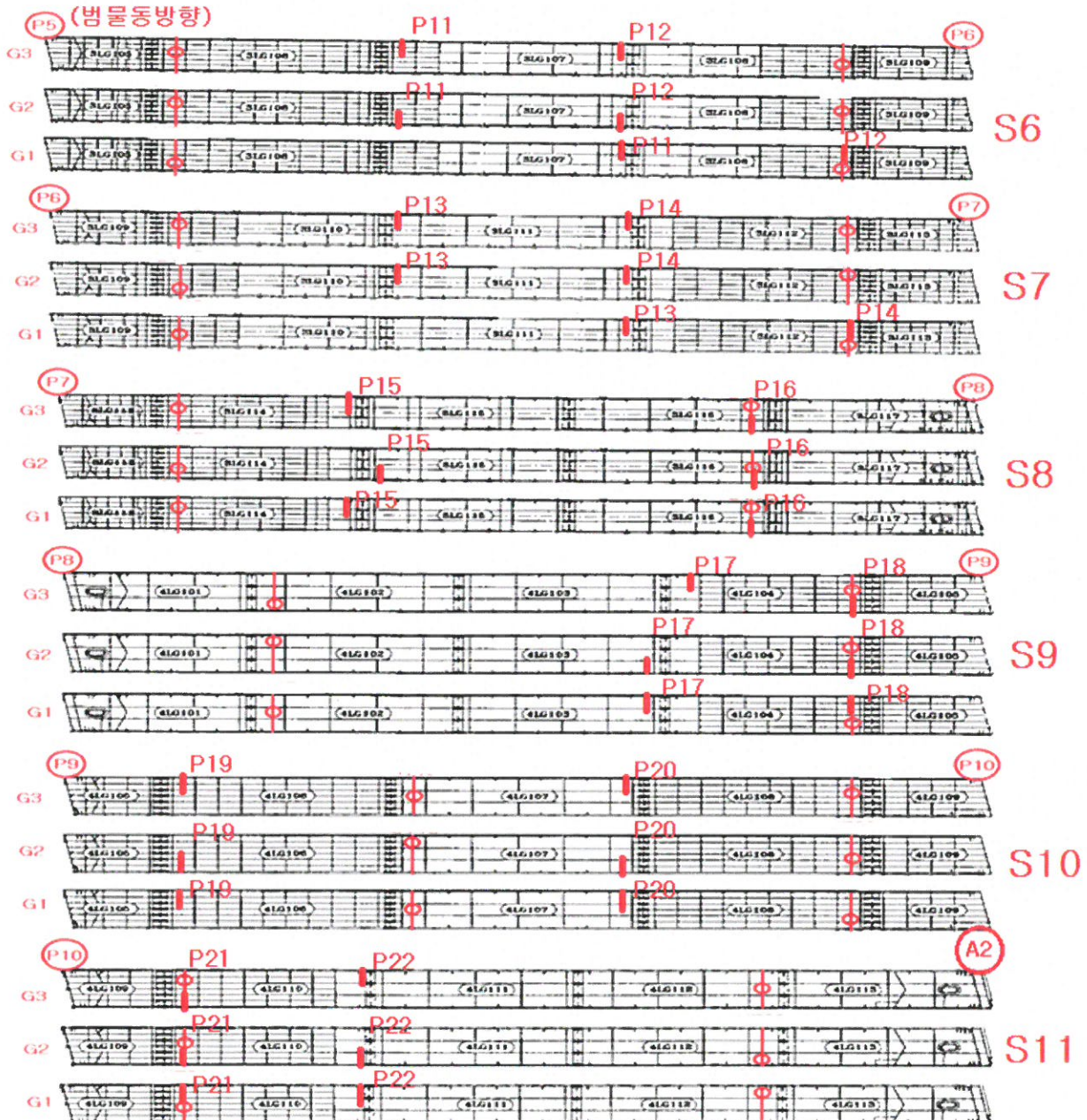
KUM SAN ENGINEERING & TESTING CO., LTD
경기도 안양시 만안구 안양로 405번길 17

Report No.
보고서번호
Date of
검사일자
Page No.
페이지번호

KSET-UT-17-0511-02

2017년 05월 11일

8 of 10



초음파탐상검사보고서

KUMSAN

KUM SAN ENGINEERING & TESTING CO., LTD
경기도 안양시 만안구 안양로405번길 1

Date of
검사일자

9 of 10



REPORT OF ULTRASONIC EXAMINATION

초음파탐상검사보고서



주식회사금산기술검사

KUM SAN ENGINEERING & TESTING CO., LTD.
경기도 안양시 만안구 안양로405번길 17

Report No.
보고서번호

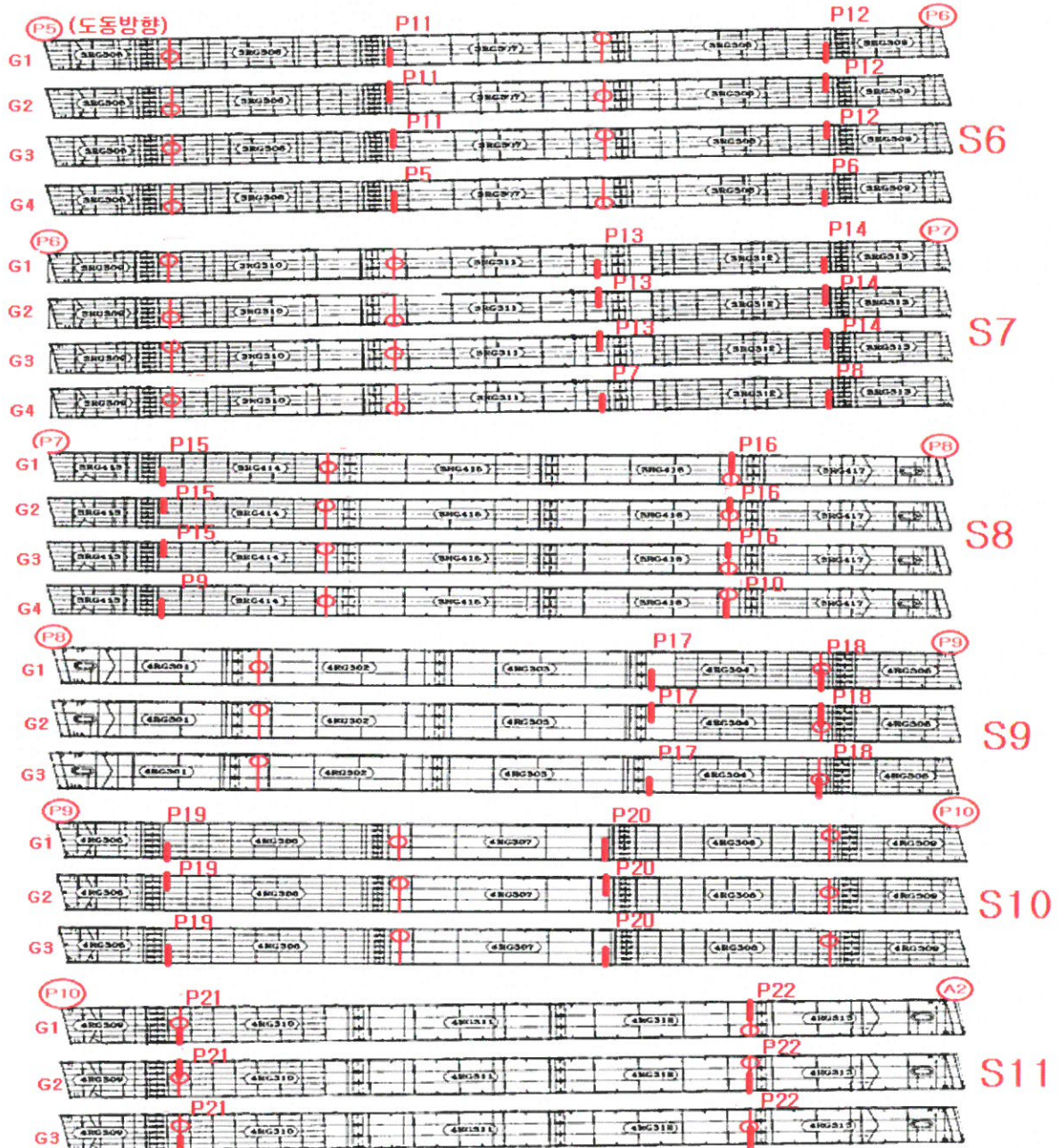
Date of
검사일자

Page No.
페이지번호

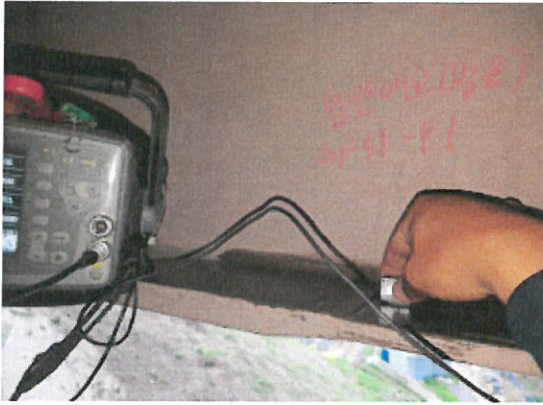
KSET-UT-17-0511-02

2017년 05월 11일

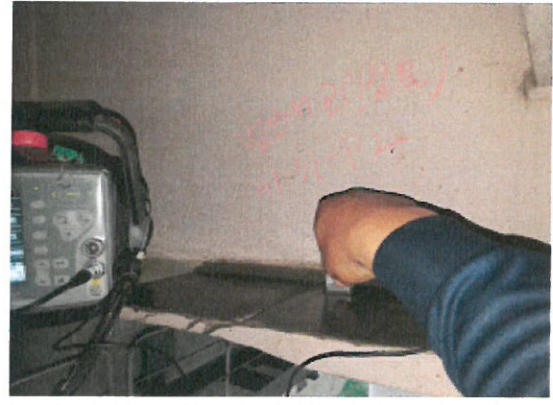
10 of 10



사 진 대 장



G1-S1-P1



G1-S1-P2



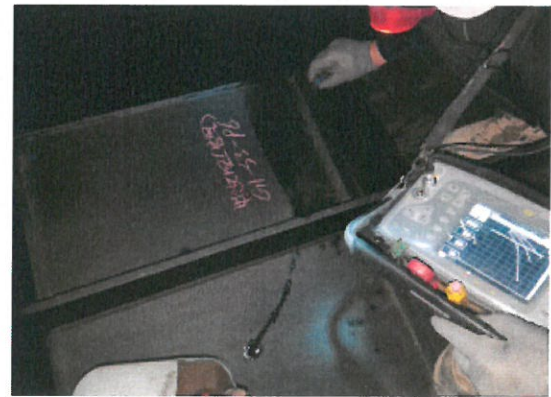
G1-S2-P3



G1-S2-P4



G1-S3-P5



G1-S3-P6

사 진 대 장



G1-S4-P7



G1-S4-P8



G1-S5-P9



G1-S5-P10

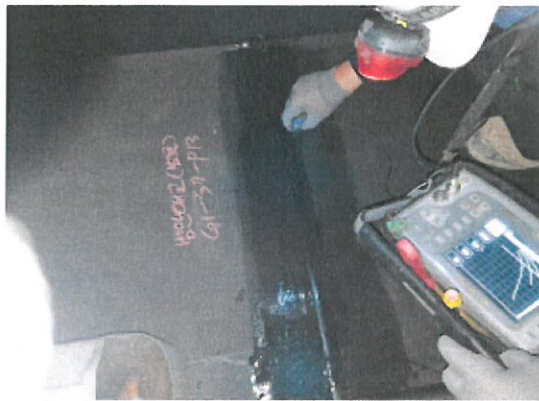


G1-S6-P11



G1-S6-P12

사 진 대 장



G1-S7-P13



G1-S7-P14



G1-S8-P15



G1-S8-P16



G1-S9-P17



G1-S9-P18

사 진 대 장



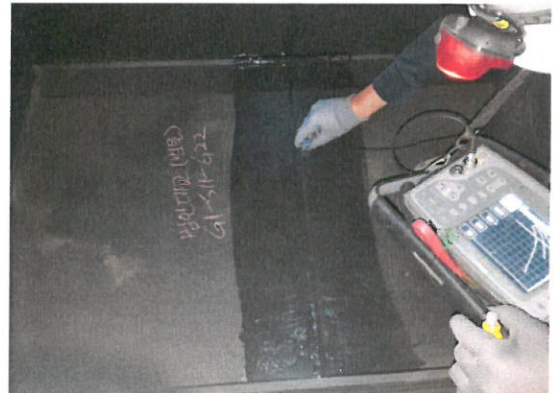
G1-S10-P19



G1-S10-P20



G1-S11-P21



G1-S11-P22

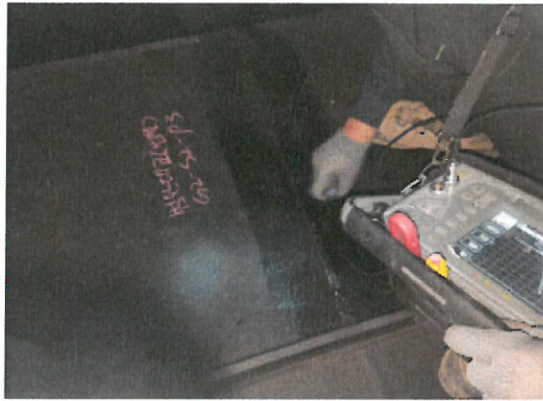


G2-S1-P1



G2-S1-P2

사 진 대 장



G2-S2-P3



G2-S2-P4



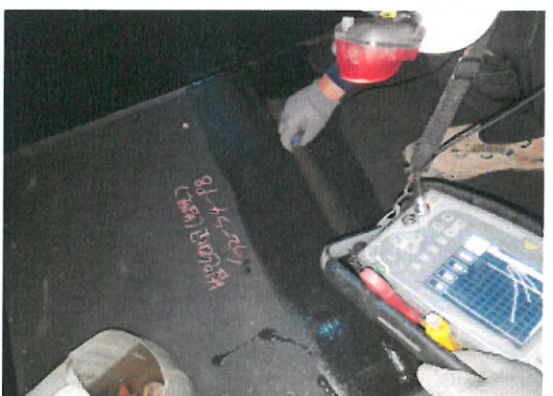
G2-S3-P5



G2-S3-P6



G2-S4-P7



G2-S4-P8

사 진 대 장



G2-S5-P9



G2-S5-P10



G2-S6-P11



G2-S6-P12

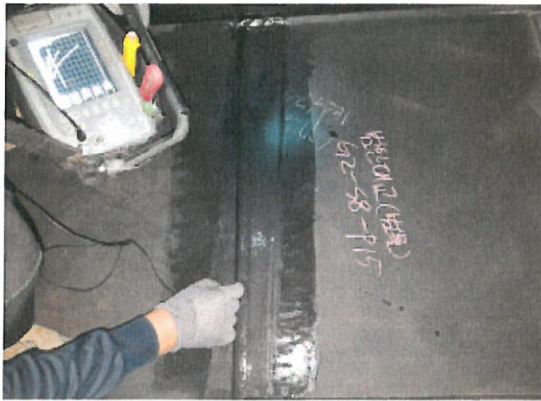


G2-S7-P13

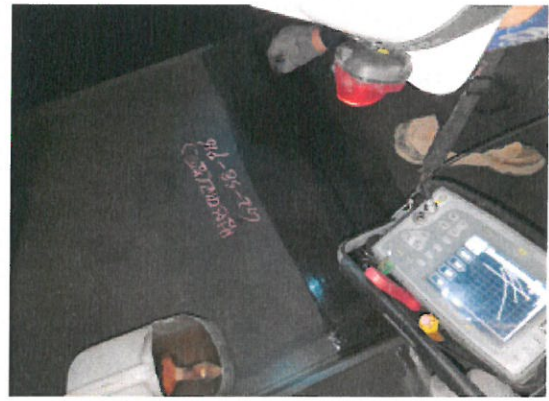


G2-S7-P14

사 진 대 장



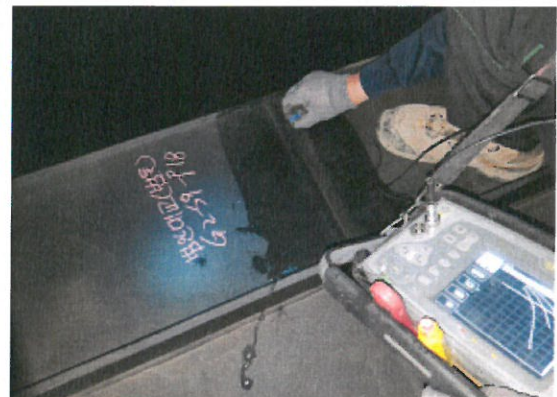
G2-S8-P15



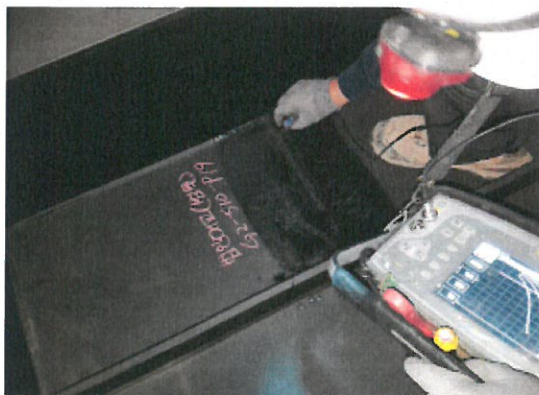
G2-S8-P16



G2-S9-P17



G2-S9-P18

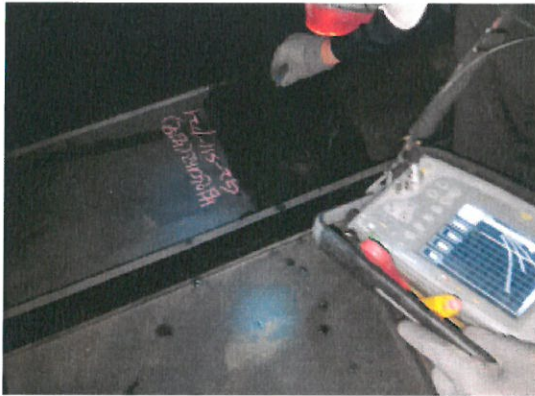


G2-S10-P19



G2-S10-P20

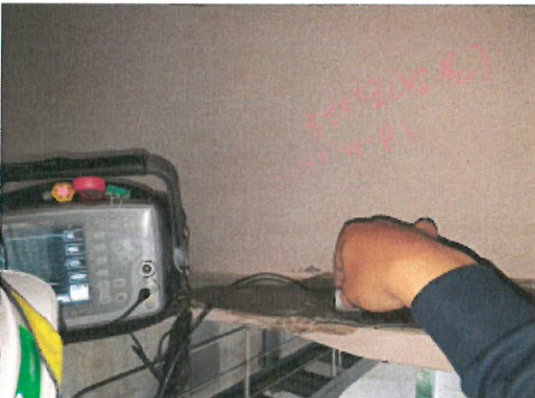
사 진 대 장



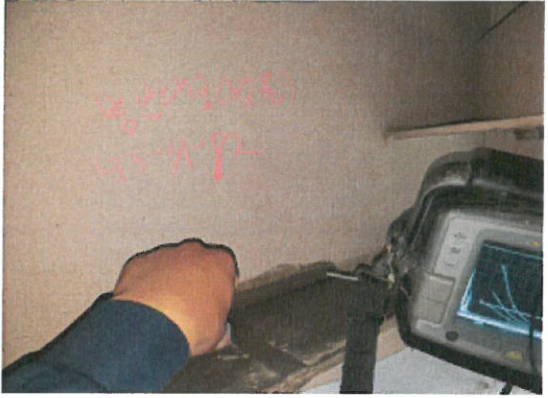
G2-S11-P21



G2-S11-P22



G3-S1-P1



G3-S1-P2



G3-S2-P3



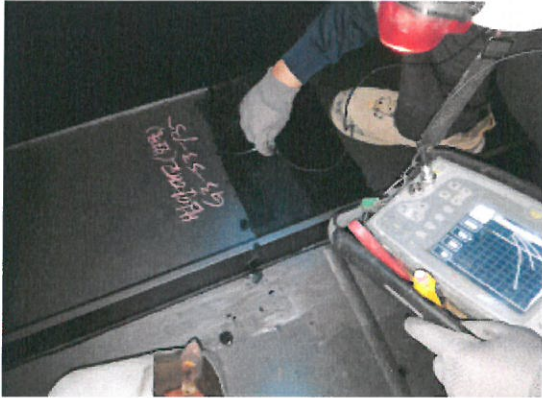
G3-S2-P4

사

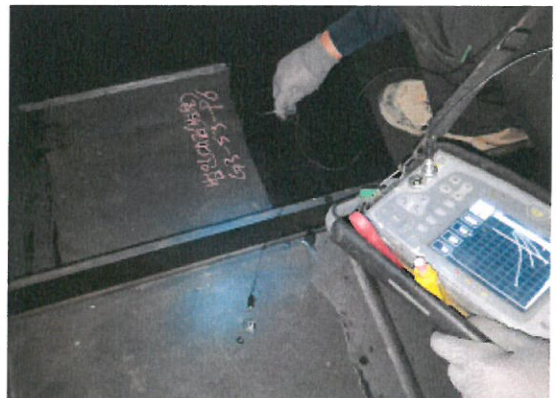
진

대

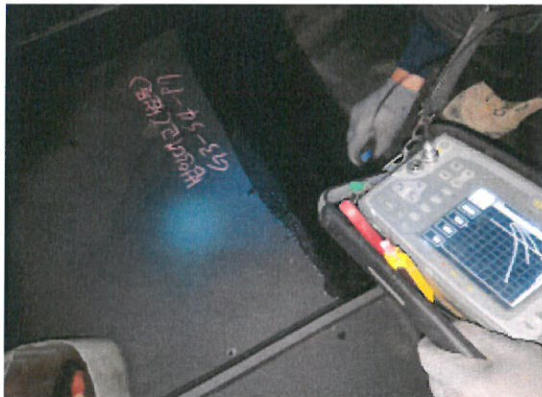
장



G3-S3-P5



G3-S3-P6



G3-S4-P7



G3-S4-P8



G3-S5-P9



G3-S5-P10

사 진 대 장



G3-S6-P11



G3-S6-P12



G3-S7-P13



G3-S7-P14



G3-S8-P15



G3-S8-P16

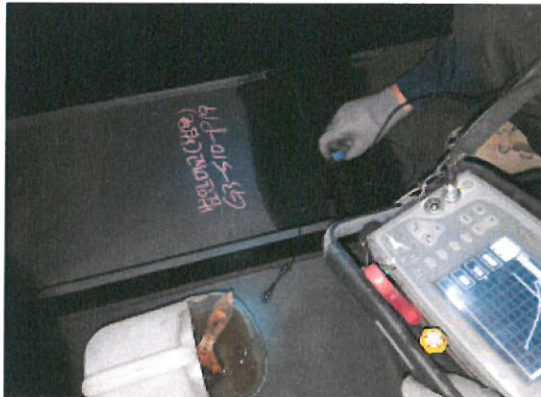
사 진 대 장



G3-S9-P17



G3-S9-P18



G3-S10-P19



G3-S10-P20

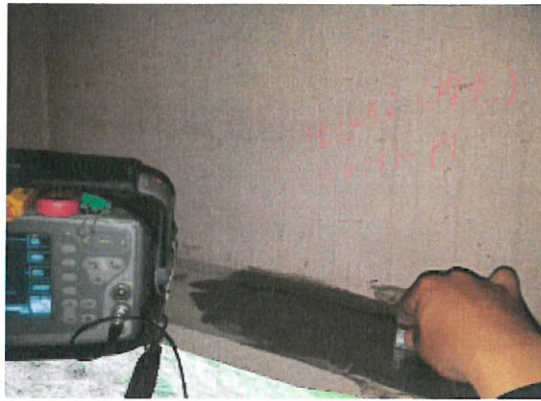


G3-S11-P21

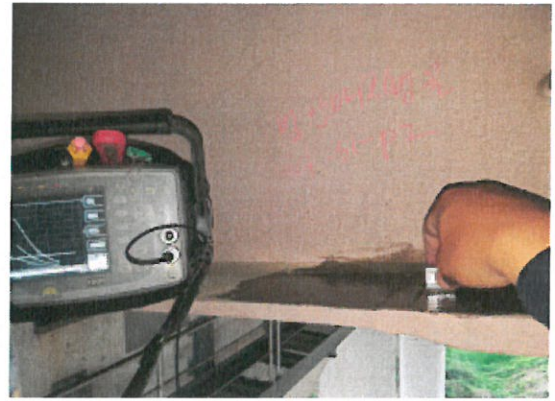


G3-S11-P22

사 진 대 장



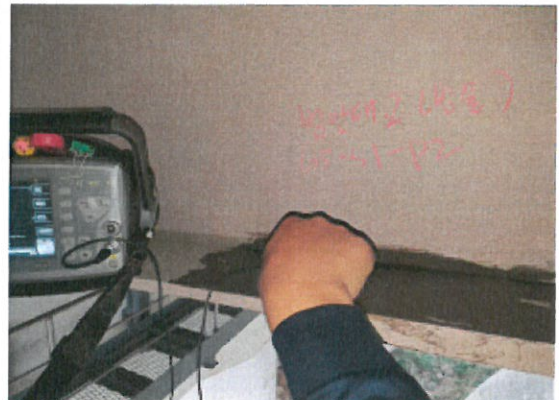
G4-S1-P1



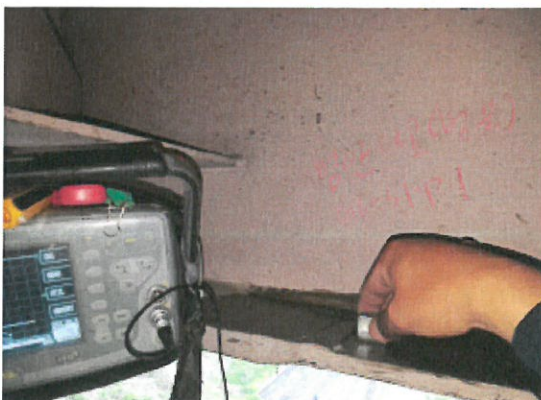
G4-S1-P2



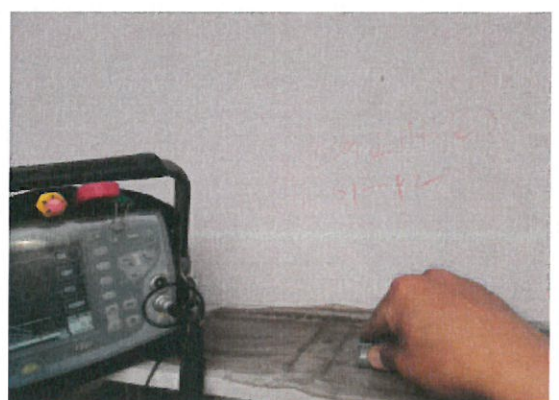
G5-S1-P1



G5-S1-P2



G6-S1-P1

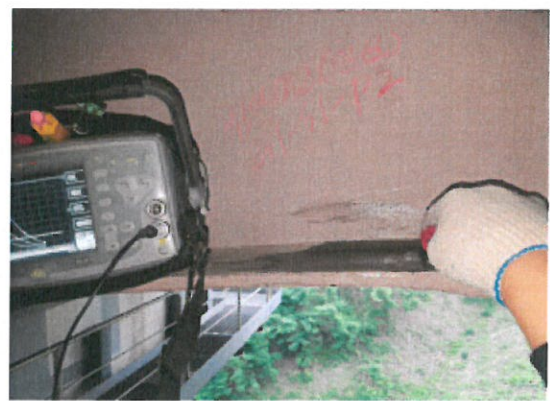


G6-S1-P2

사 진 대 장



G1-S1-P1



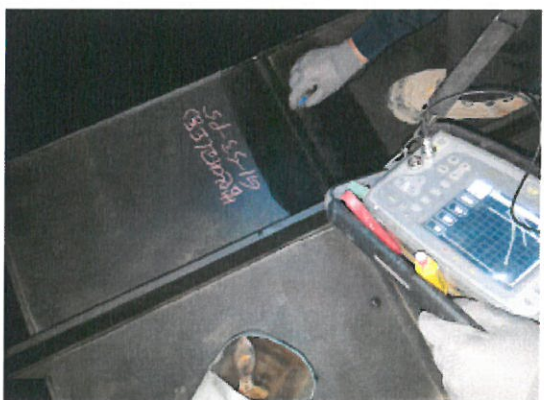
G1-S1-P2



G1-S2-P3



G1-S2-P4



G1-S3-P5



G1-S3-P6

사 진 대 장



G1-S4-P7



G1-S4-P8



G1-S5-P9



G1-S5-P10



G1-S6-P11

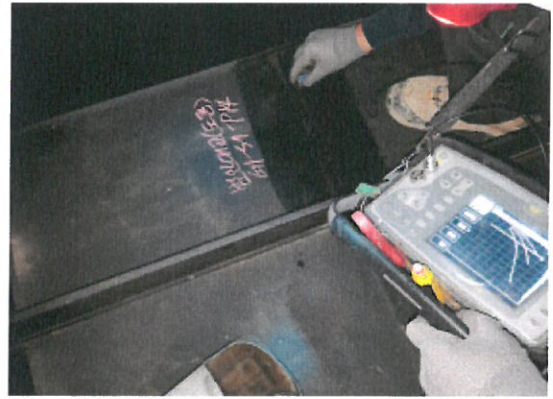


G1-S6-P12

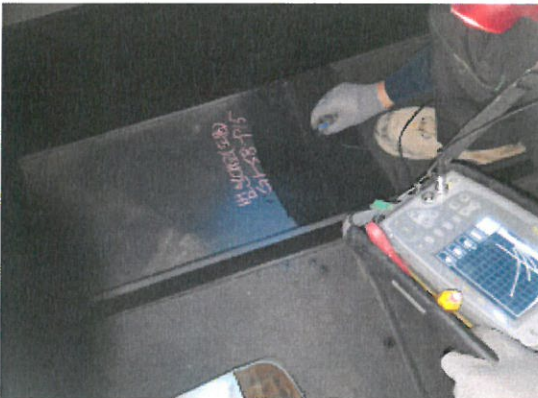
사 진 대 장



G1-S7-P13



G1-S7-P14



G1-S8-P15



G1-S8-P16

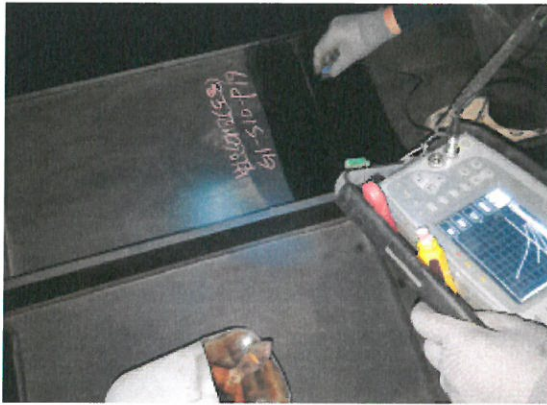


G1-S9-P17



G1-S9-P18

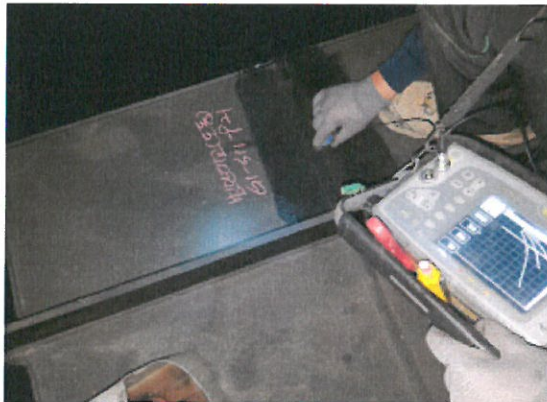
사 진 대 장



G1-S10-P19



G1-S10-P20



G1-S11-P21



G1-S11-P22



G2-S1-P1



G2-S1-P2

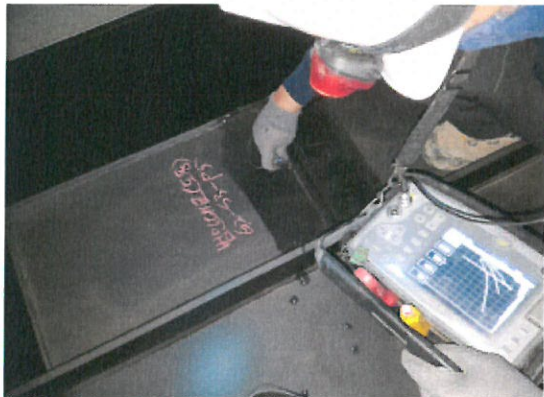
사 진 대 장



G2-S2-P3



G2-S2-P4



G2-S3-P5



G2-S3-P6



G2-S4-P7



G2-S4-P8

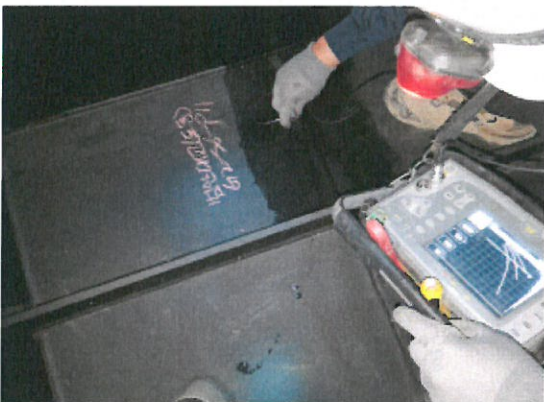
사 진 대 장



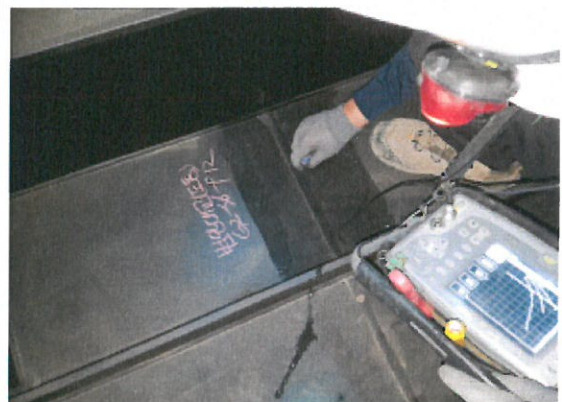
G2-S5-P9



G2-S5-P10



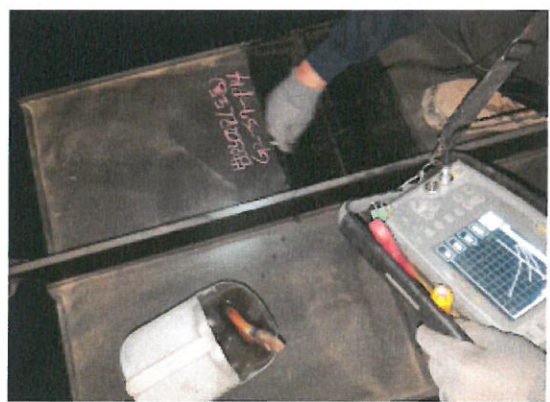
G2-S6-P11



G2-S6-P12

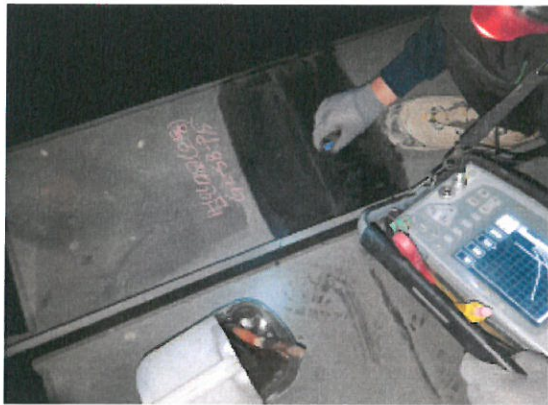


G2-S7-P13

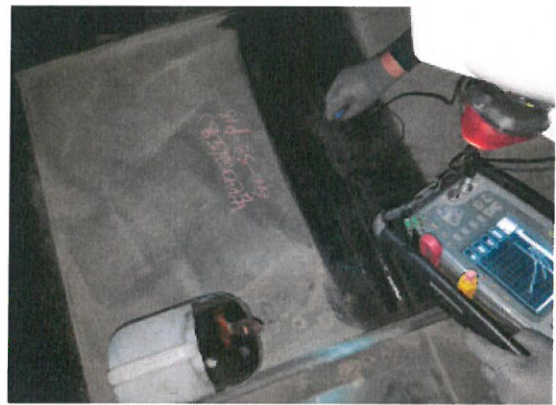


G2-S7-P14

사 진 대 장



G2-S8-P15



G2-S8-P16



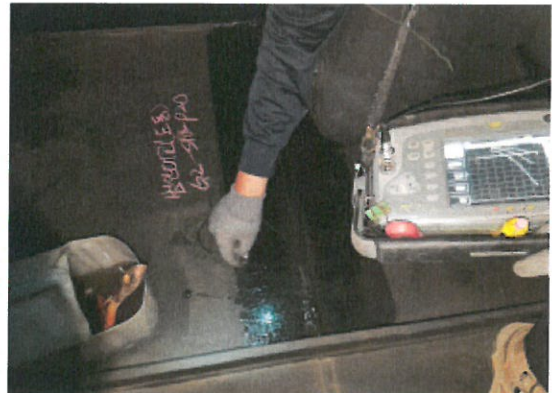
G2-S9-P17



G2-S9-P18

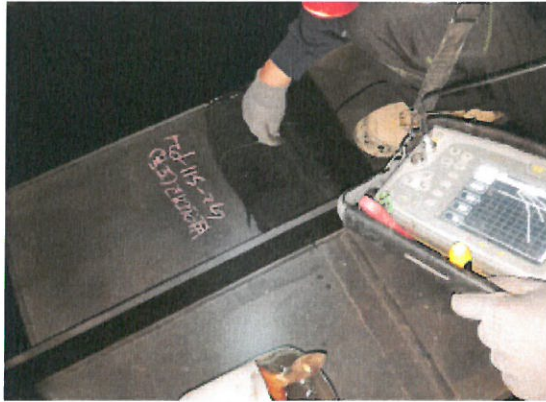


G2-S10-P19



G2-S10-P20

사 진 대 장



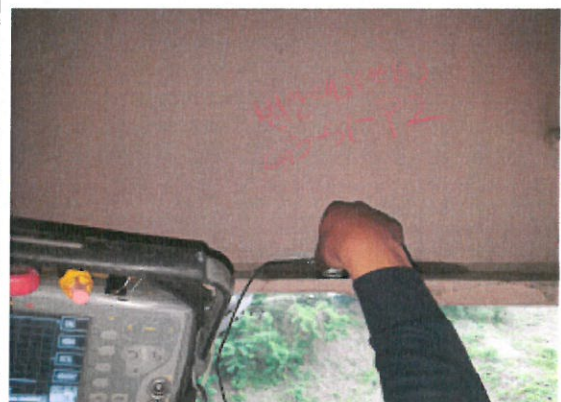
G2-S11-P21



G2-S11-P22



G3-S1-P1



G3-S1-P2

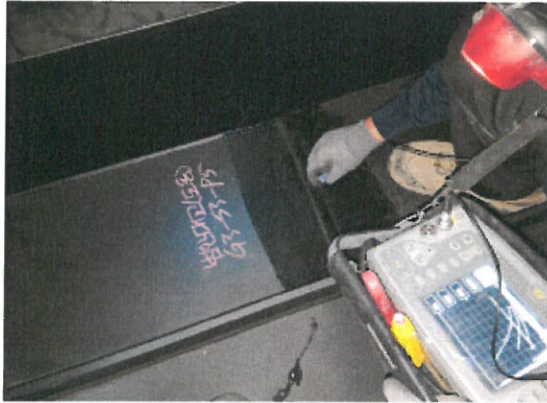


G3-S2-P3



G3-S2-P4

사 진 대 장



G3-S3-P5



G3-S3-P6



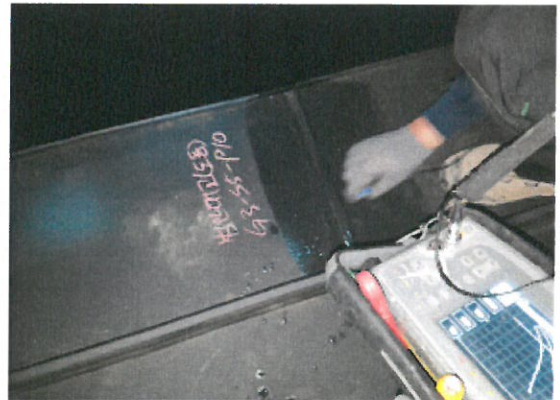
G3-S4-P7



G3-S4-P8

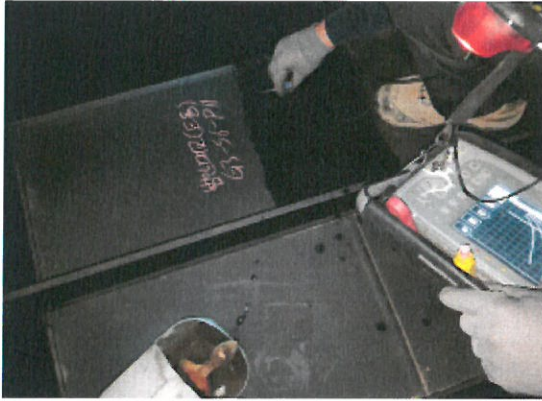


G3-S5-P9



G3-S5-P10

사 진 대 장



G3-S6-P11



G3-S6-P12



G3-S7-P13



G3-S7-P14



G3-S8-P15

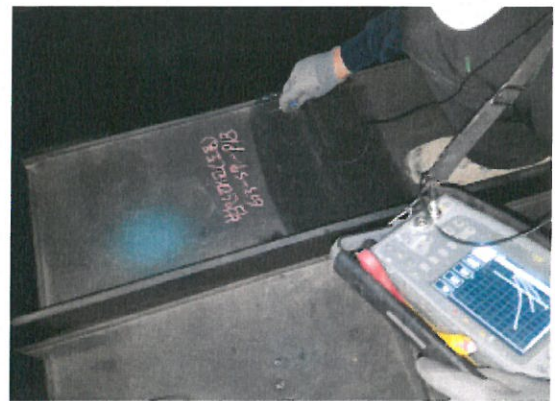


G3-S8-P16

사 진 대 장



G3-S9-P17



G3-S9-P18



G3-S10-P19



G3-S10-P20



G3-S11-P21



G3-S11-P22

사 진 대 장



G4-S1-P1



G4-S1-P2



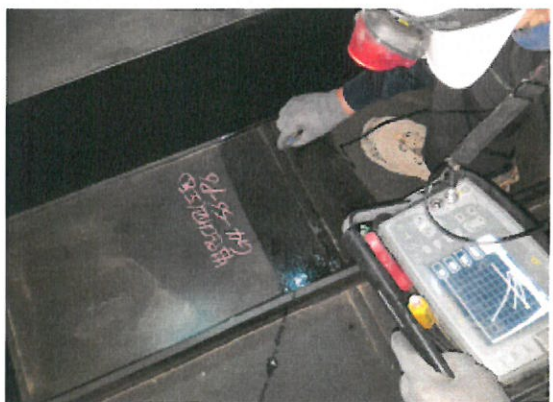
G4-S5-P3



G4-S5-P4



G4-S6-P5

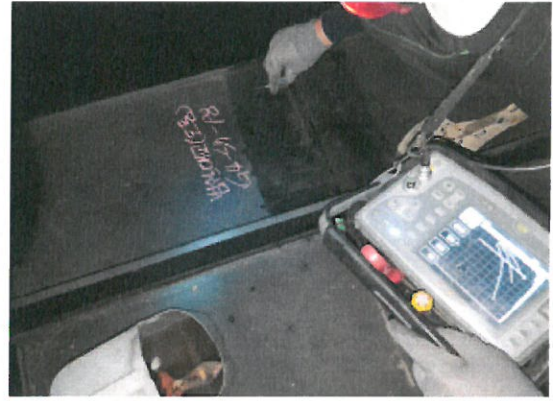


G4-S6-P6

사 진 대 장



G4-S7-P7



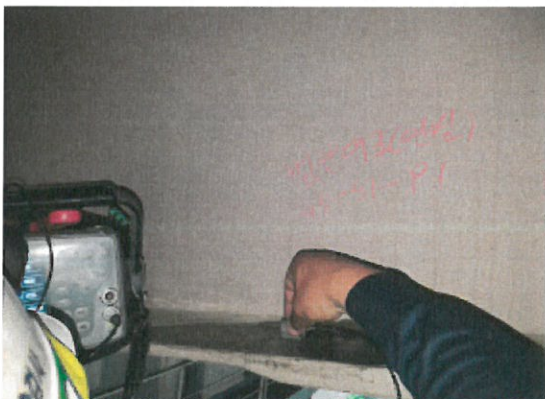
G4-S7-P8



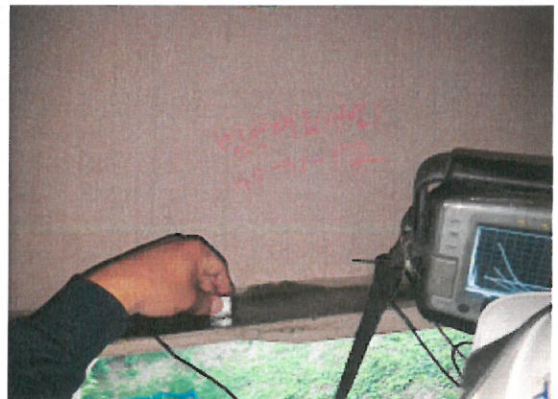
G4-S8-P9



G4-S8-P10



G5-S1-P1



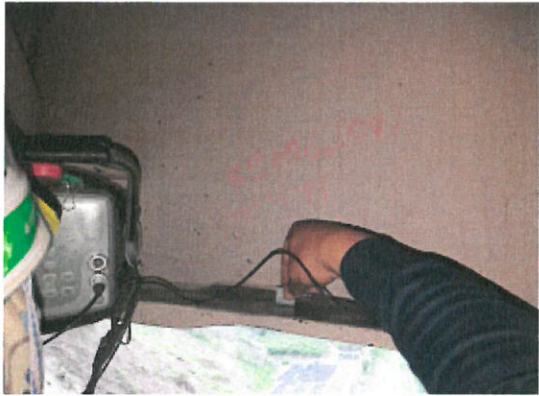
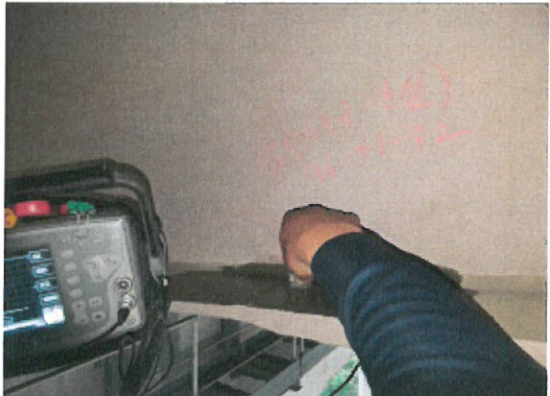
G5-S1-P2

사

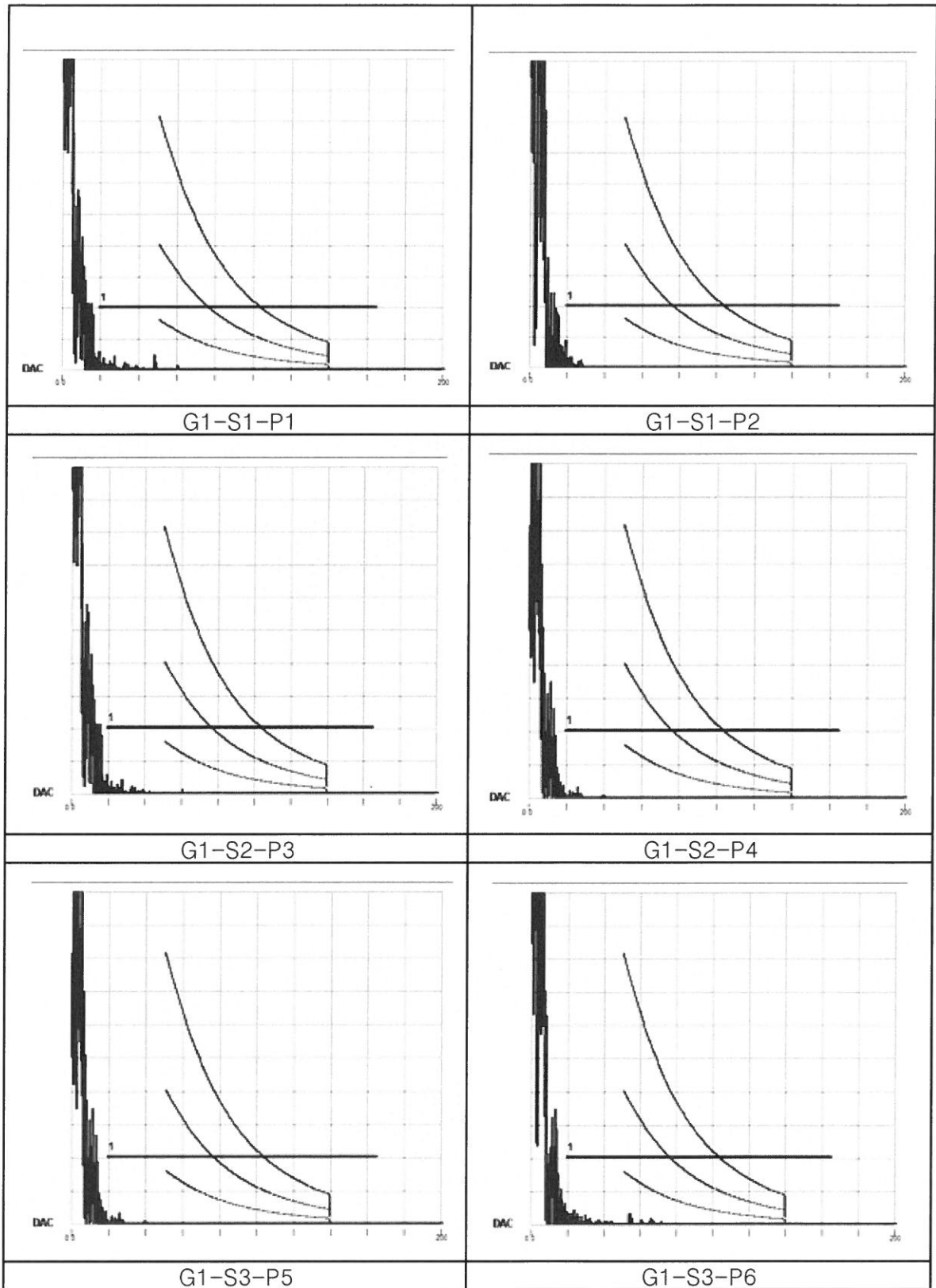
진

대

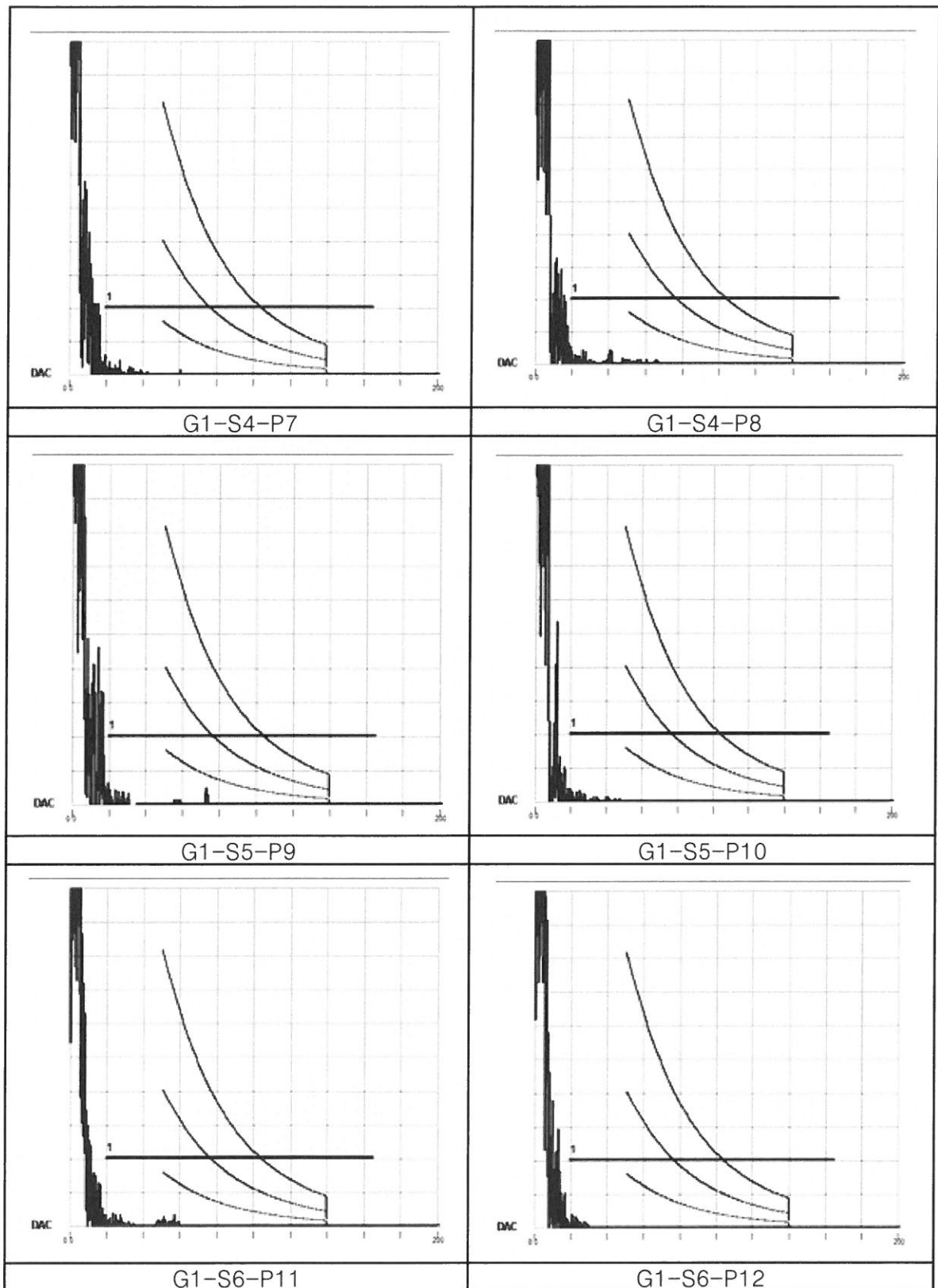
장

	
G6-S1-P1	G6-S1-P2

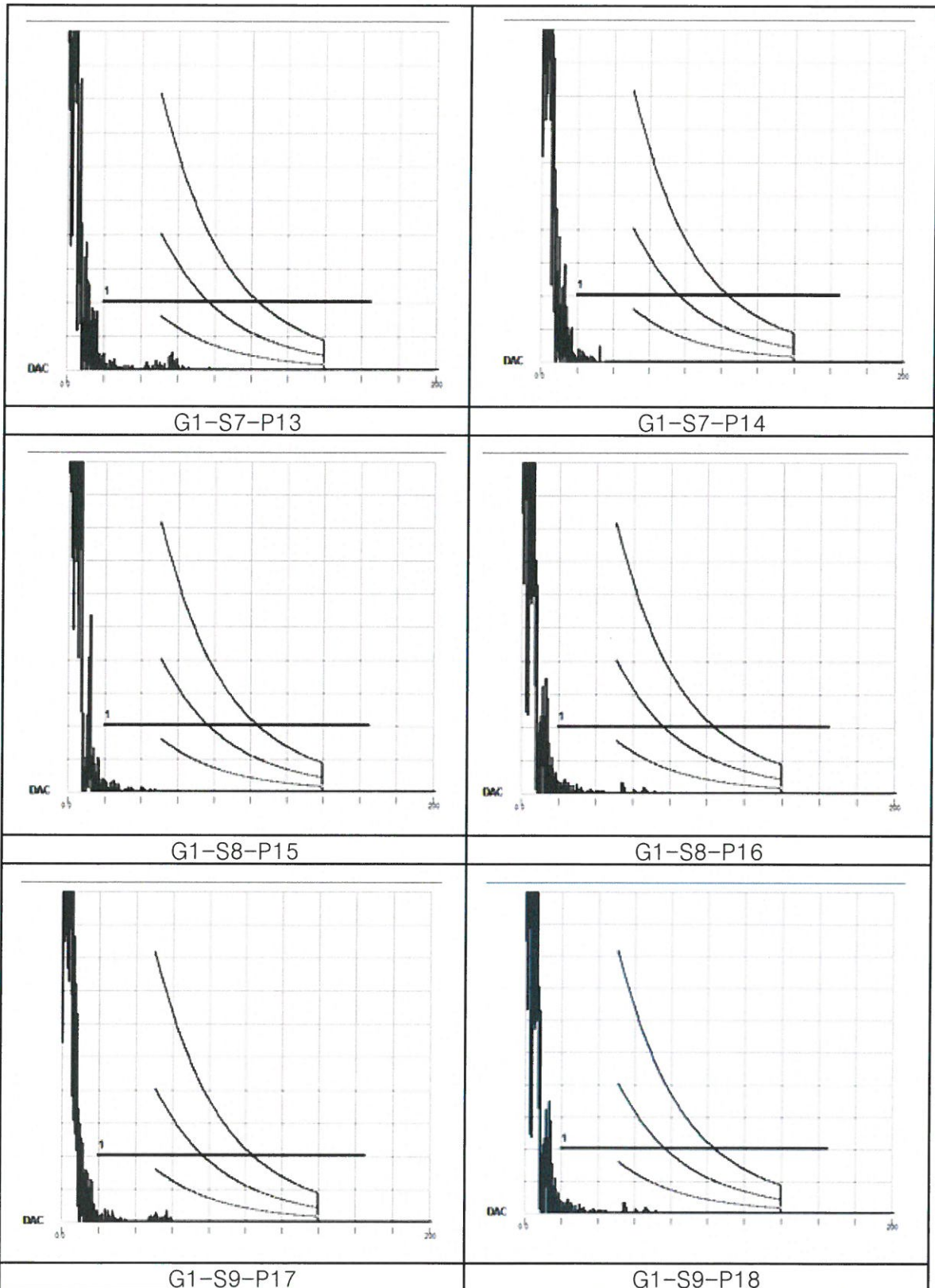
초음파탐상검사DATA



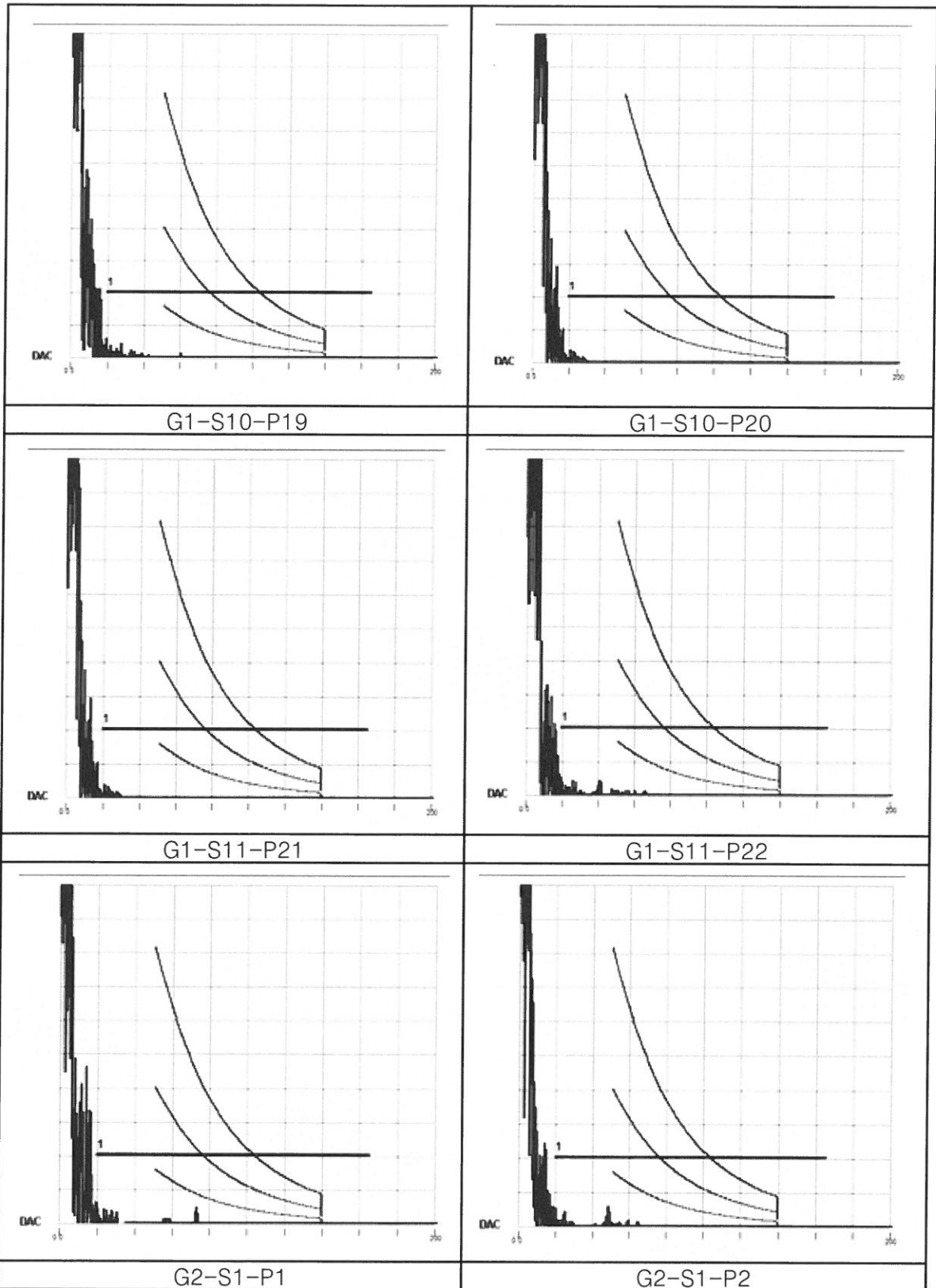
초음파탐상검사DATA



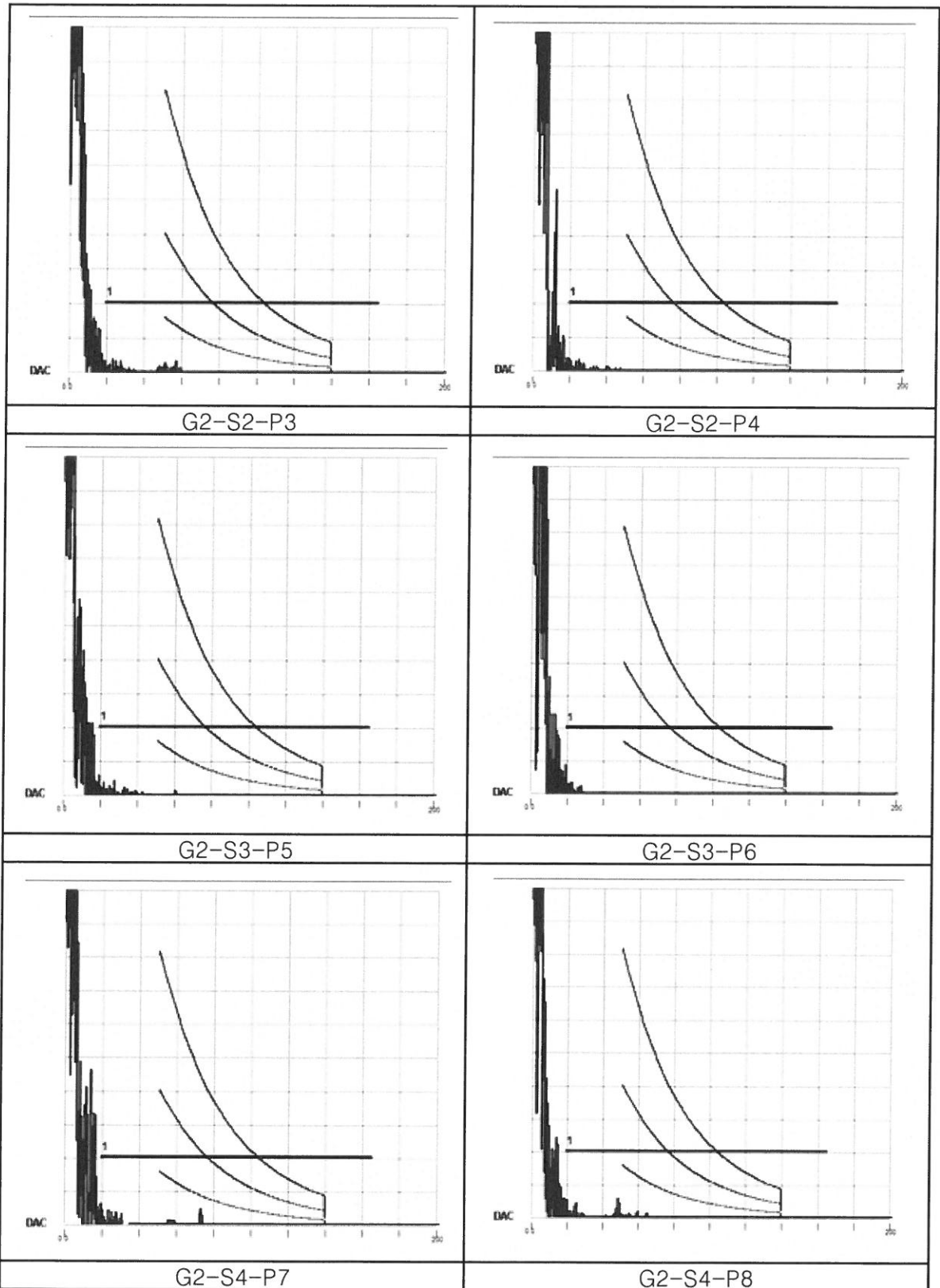
초음파탐상검사DATA



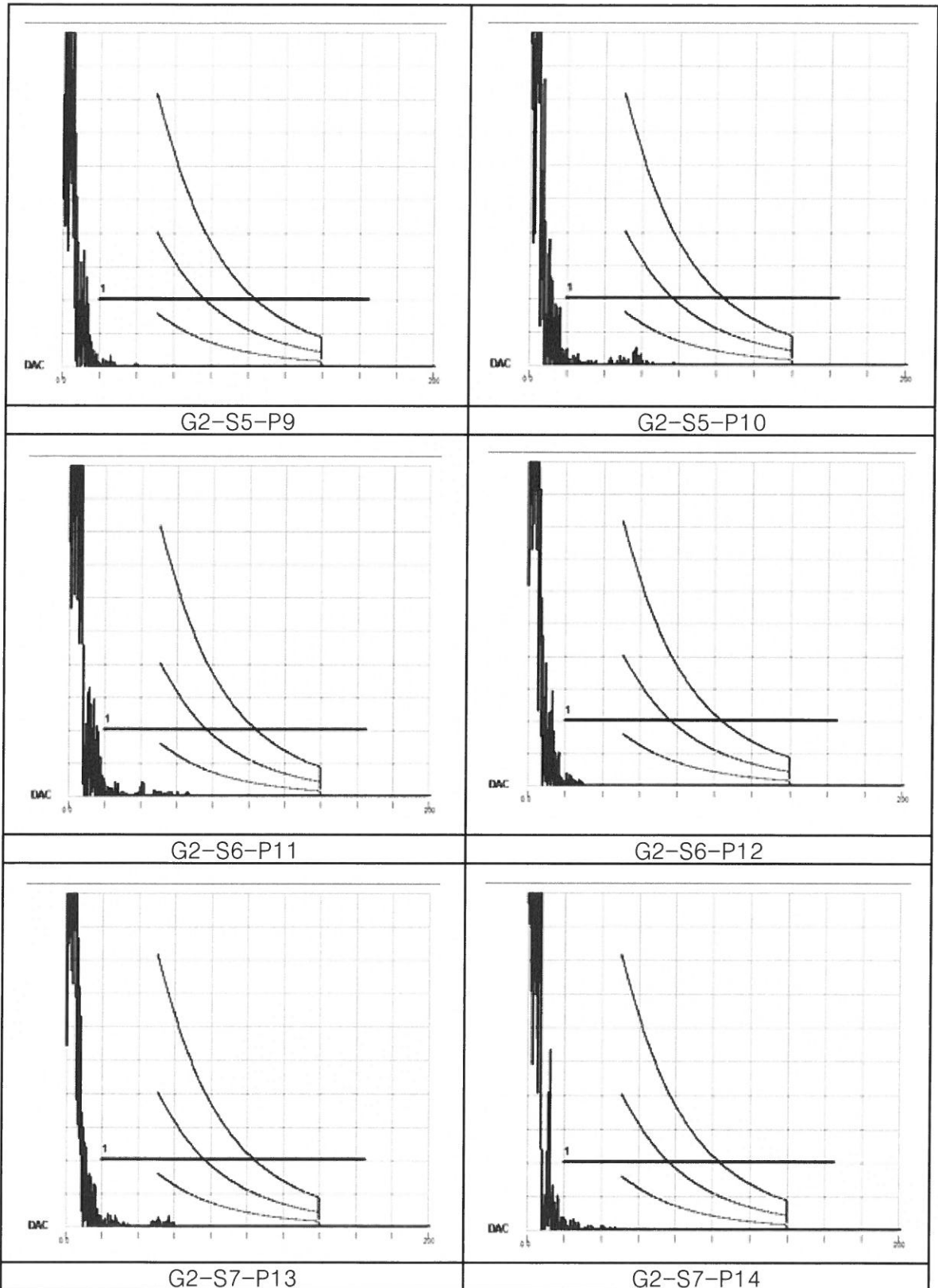
초음파탐상검사DATA



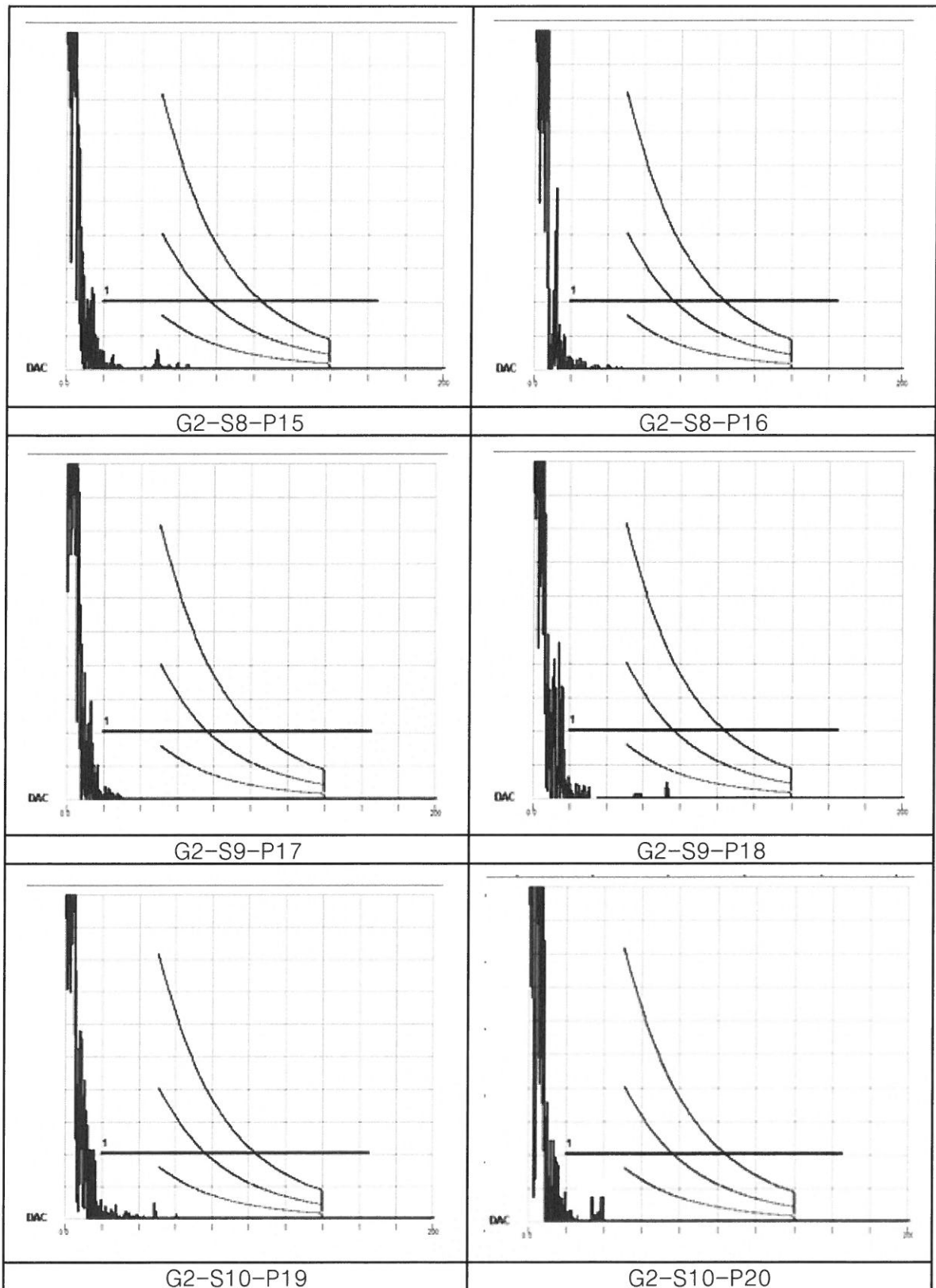
초음파탐상검사DATA



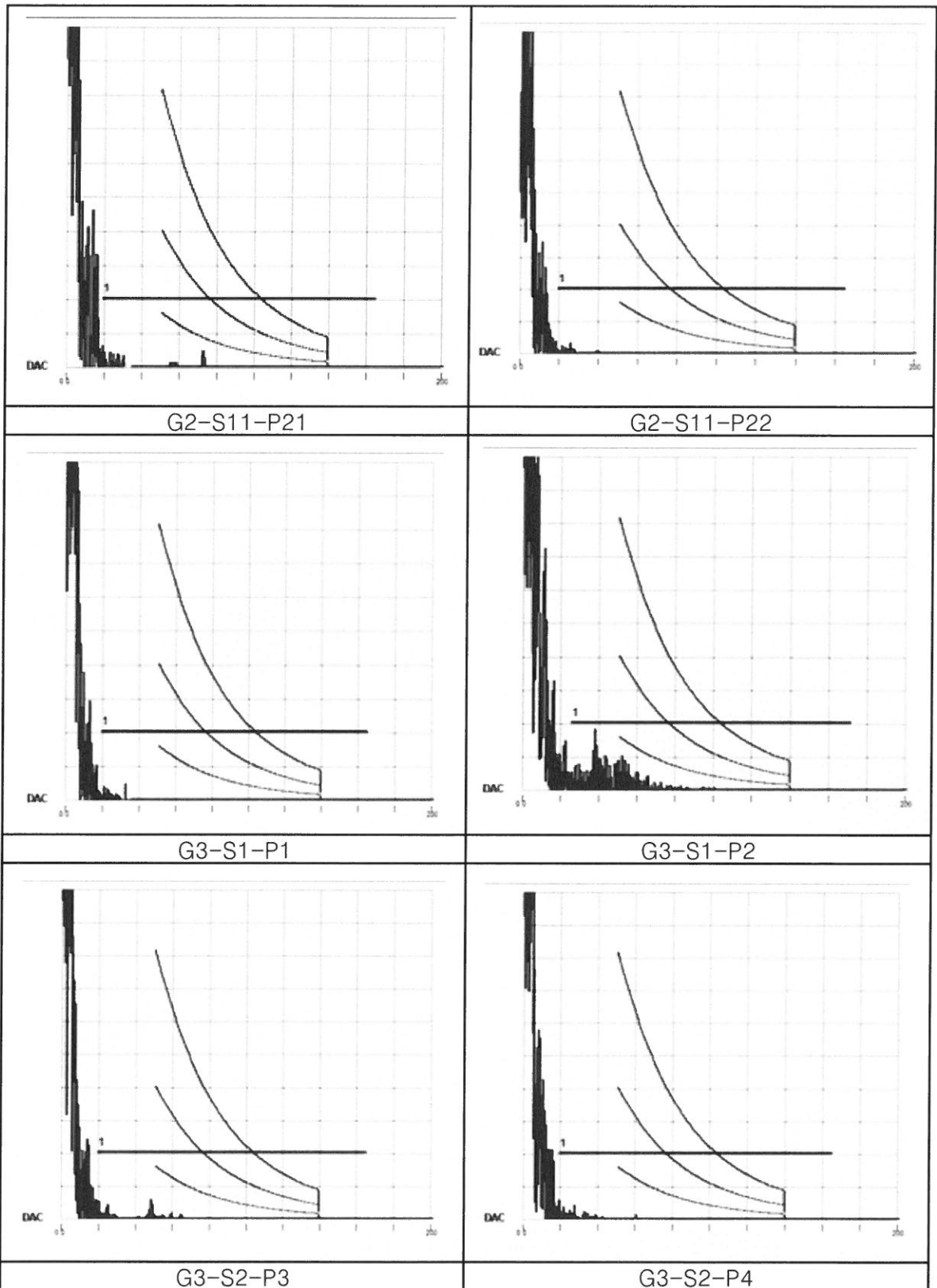
초음파탐상검사DATA



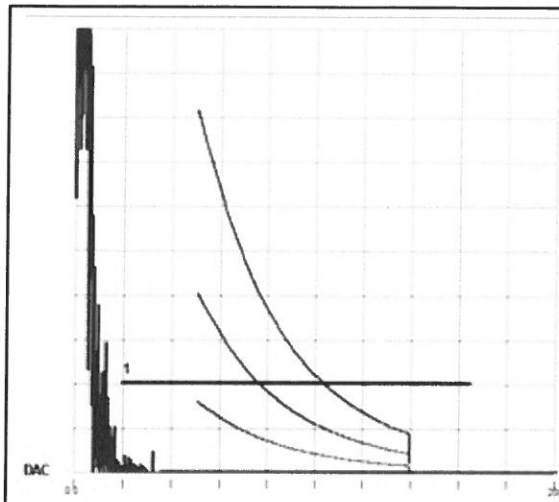
초음파탐상검사DATA



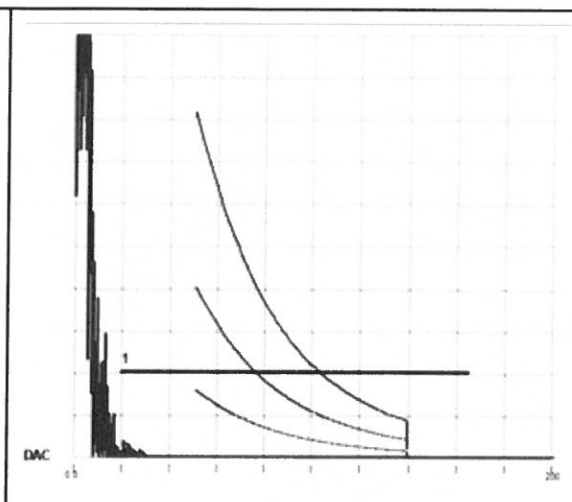
초음파탐상검사DATA



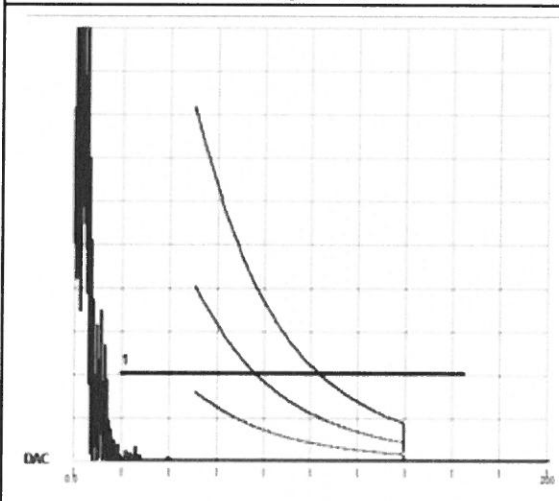
사진대장



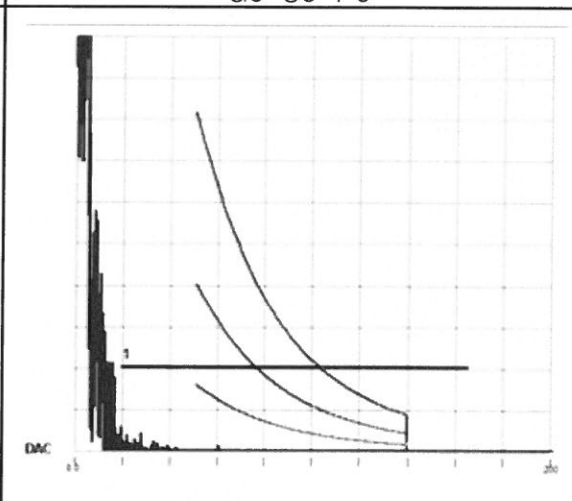
G3-S3-P5



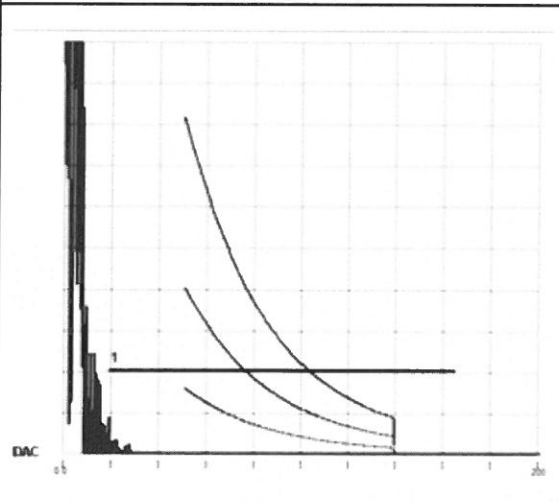
G3-S3-P6



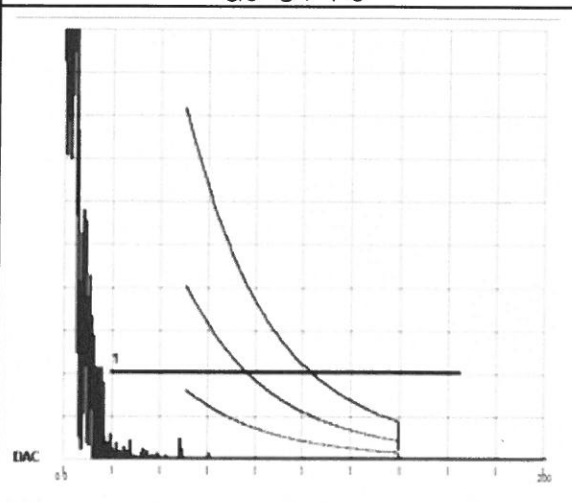
G3-S4-P7



G3-S4-P8

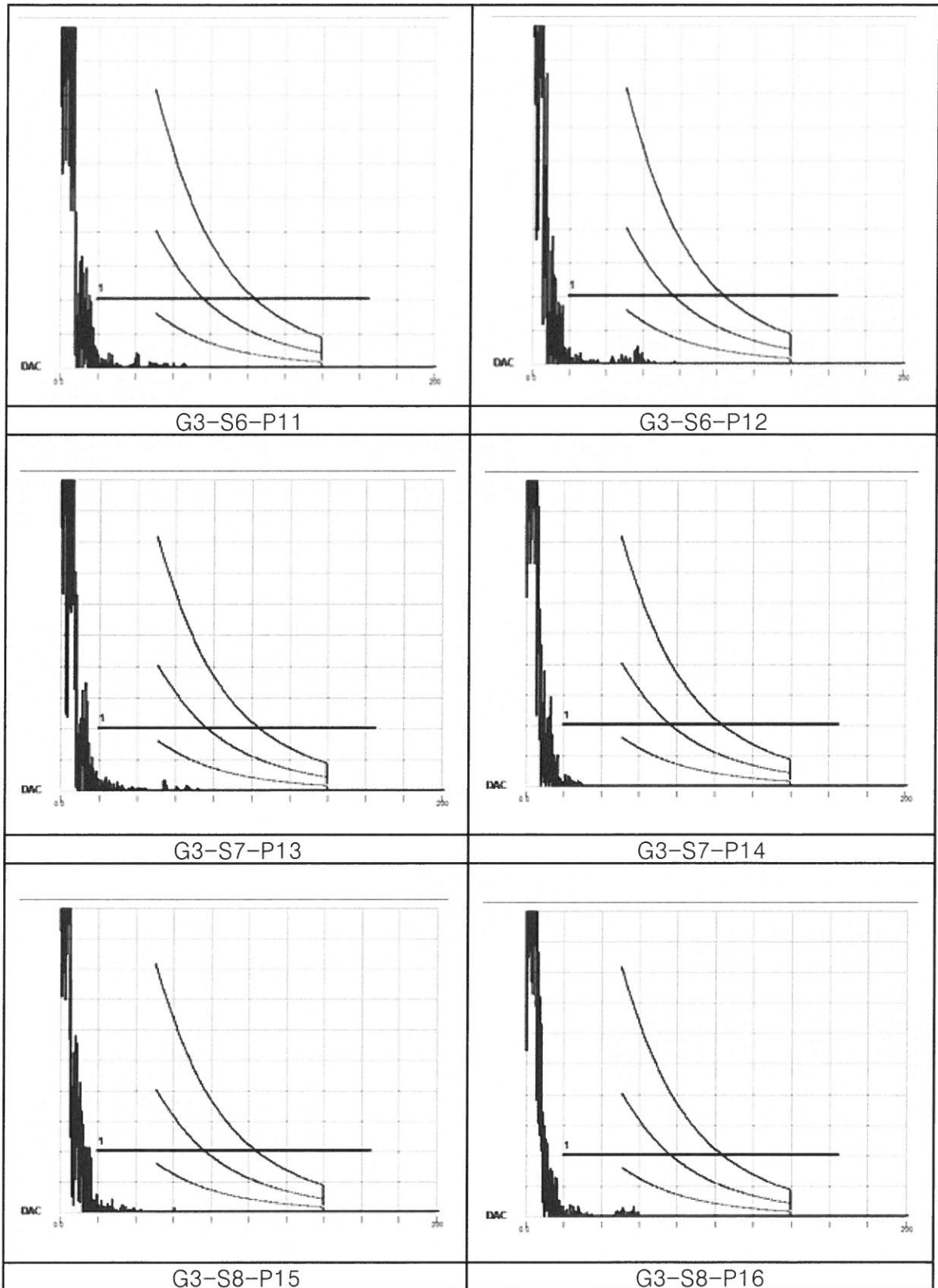


G3-S5-P9

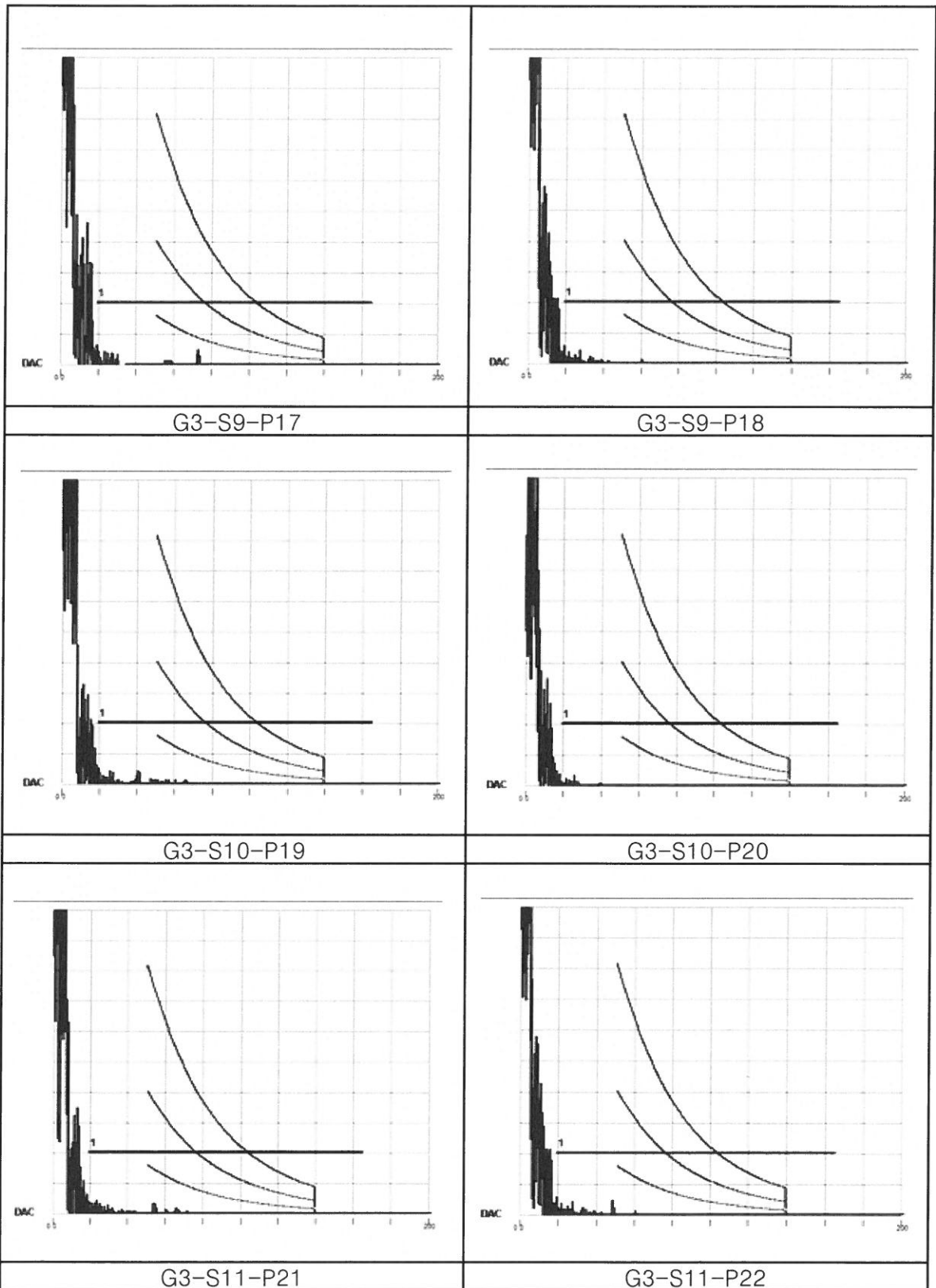


G3-S5-P10

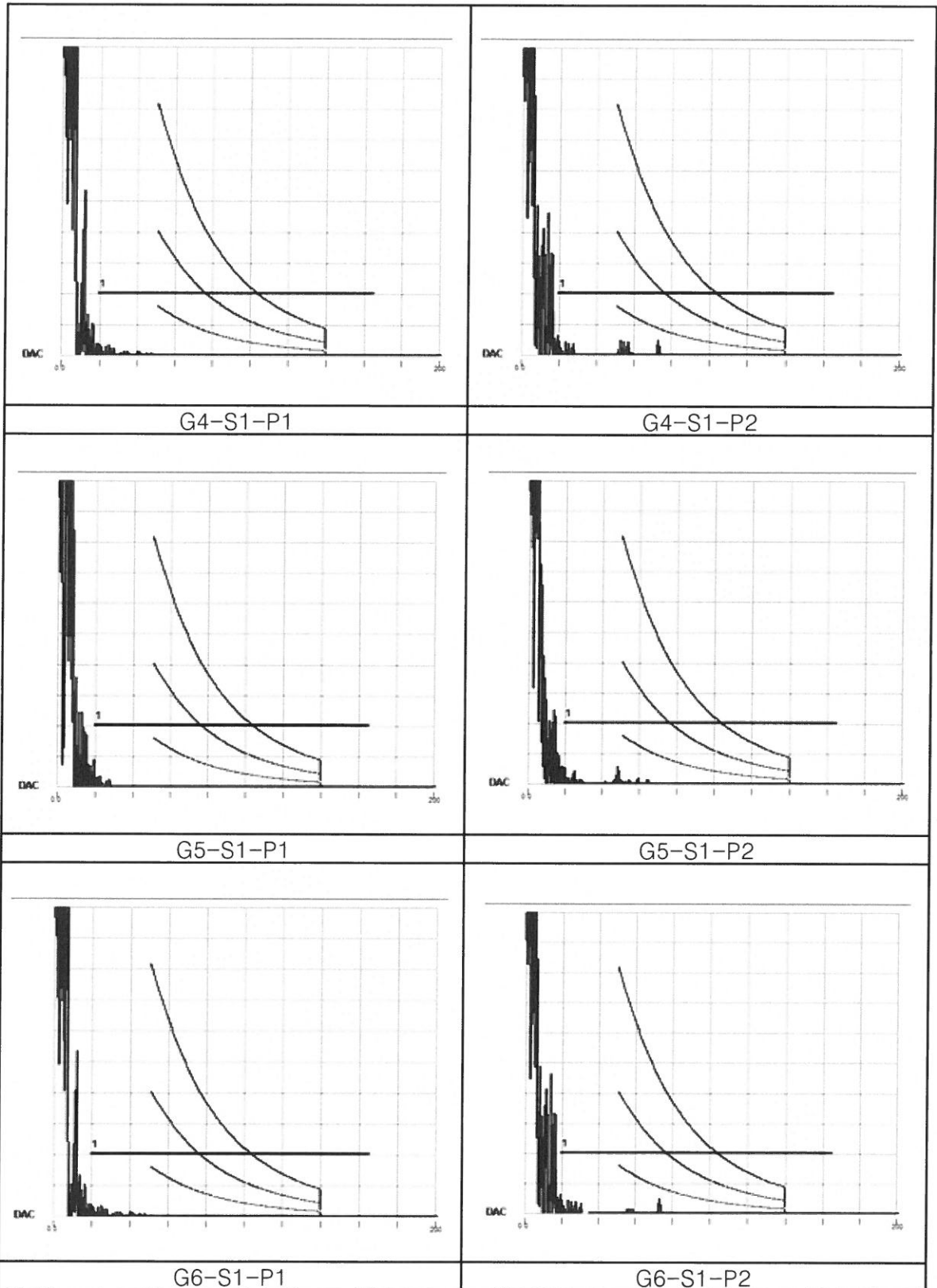
초음파탐상검사DATA



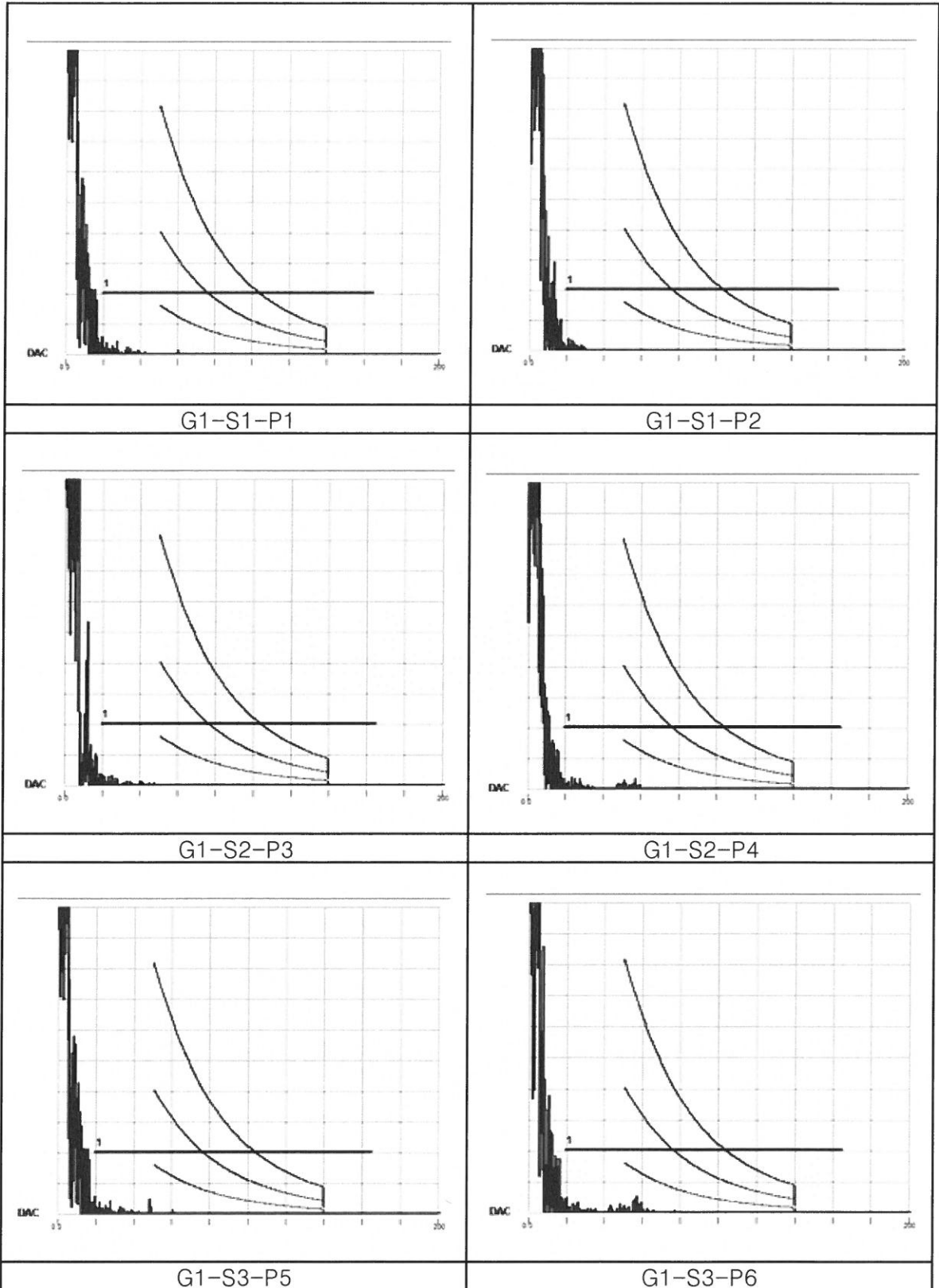
초음파탐상검사DATA



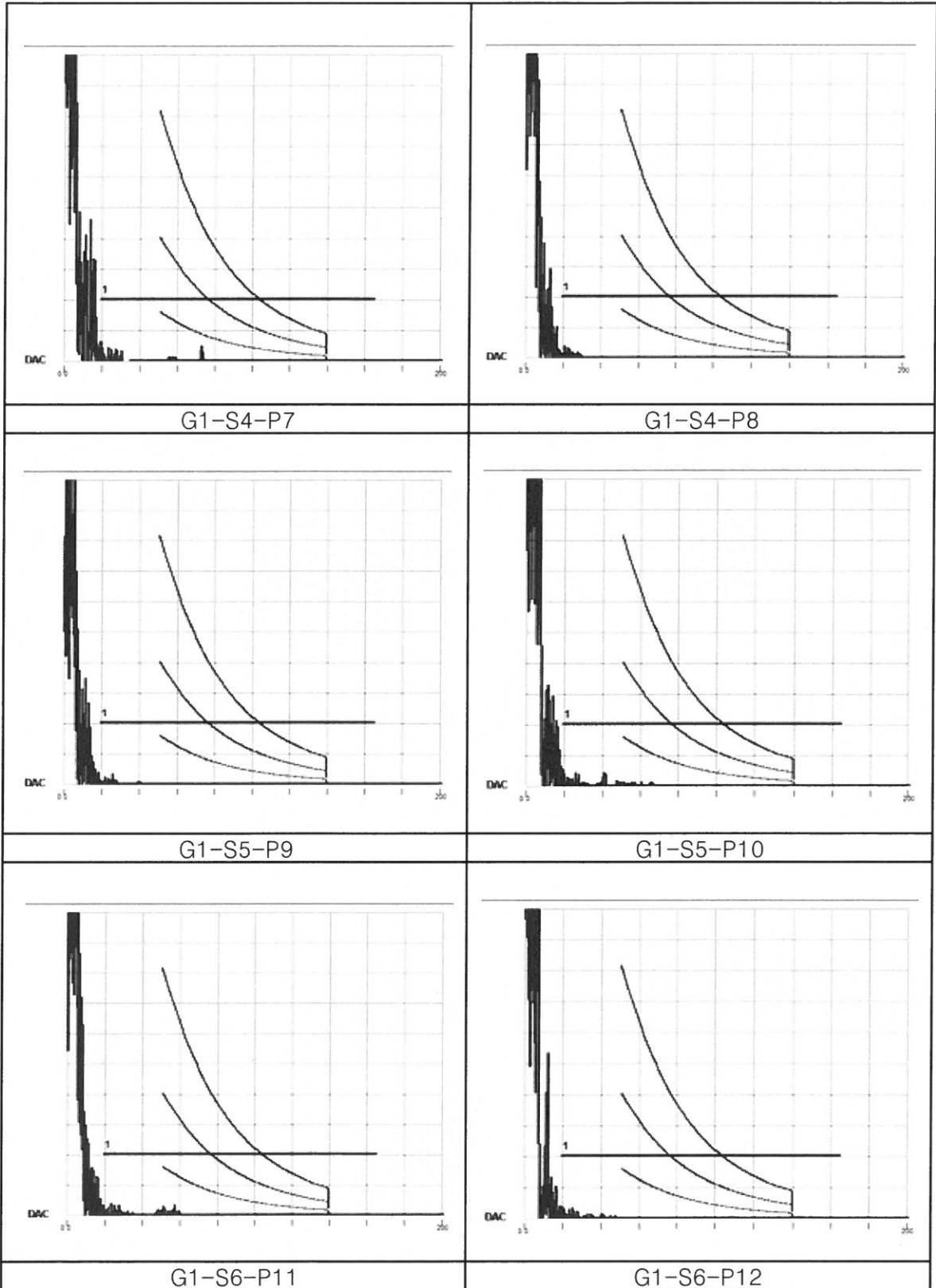
초음파탐상검사DATA



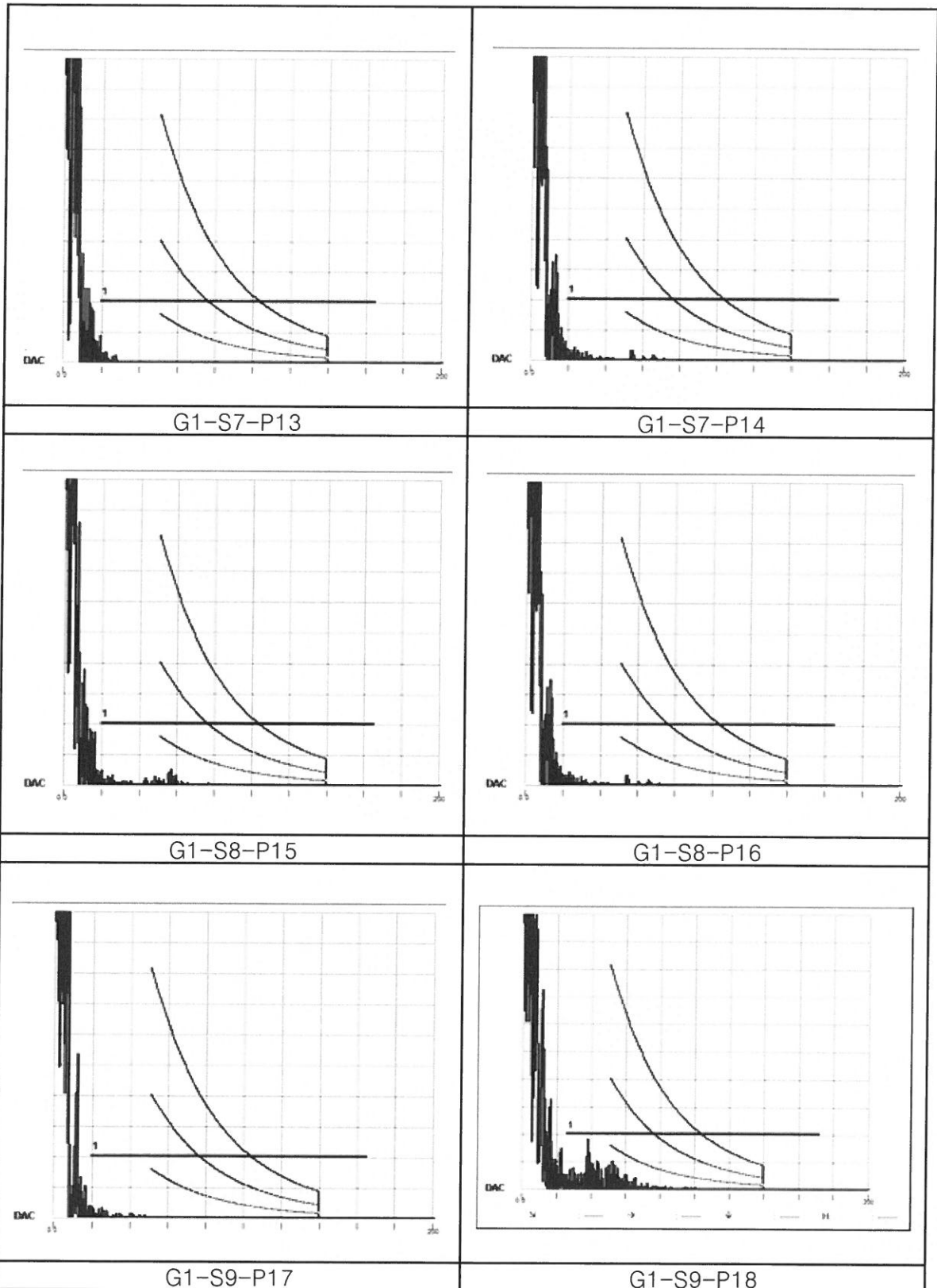
초음파탐상검사DATA



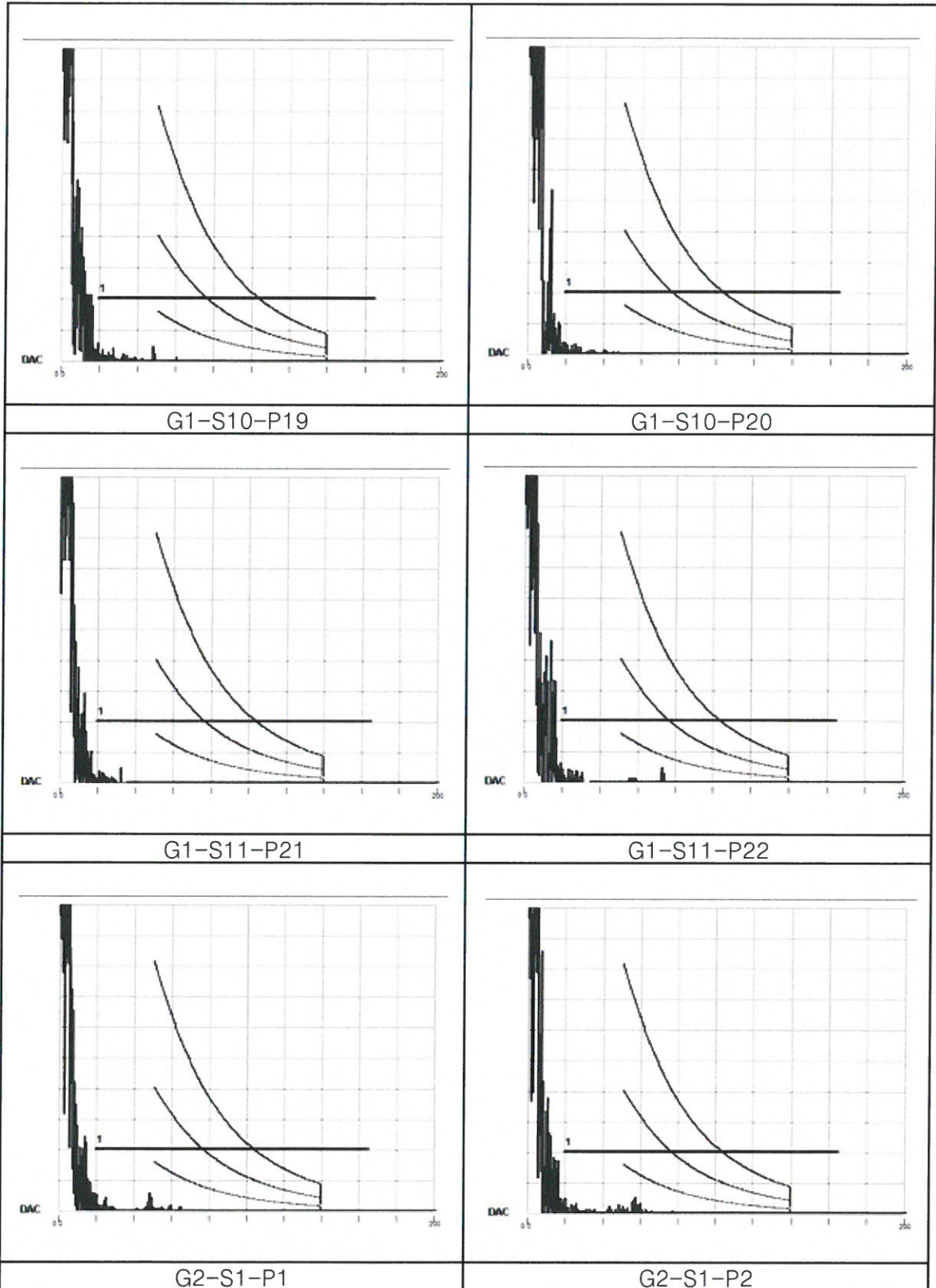
초음파탐상검사DATA



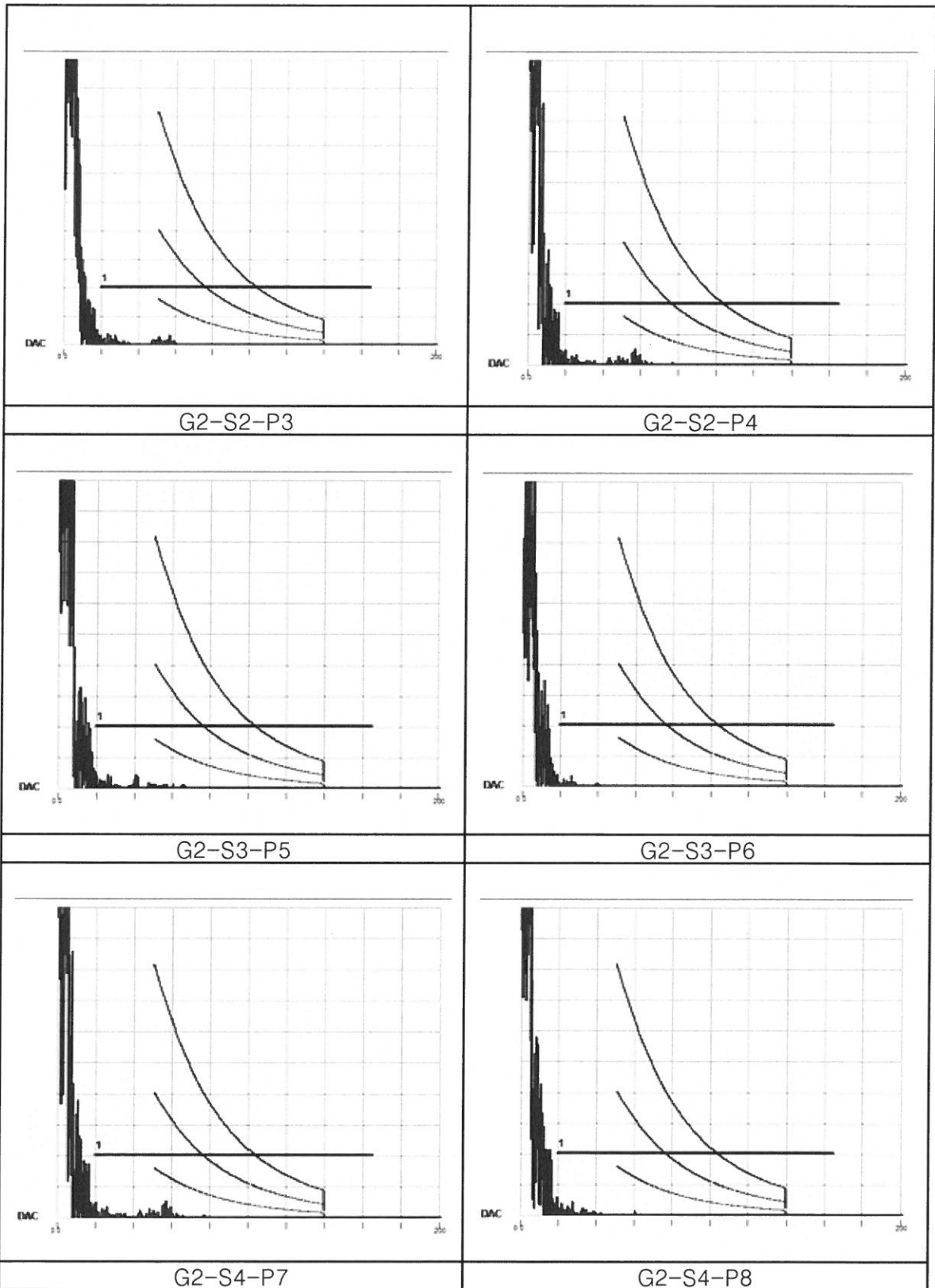
초음파탐상검사DATA



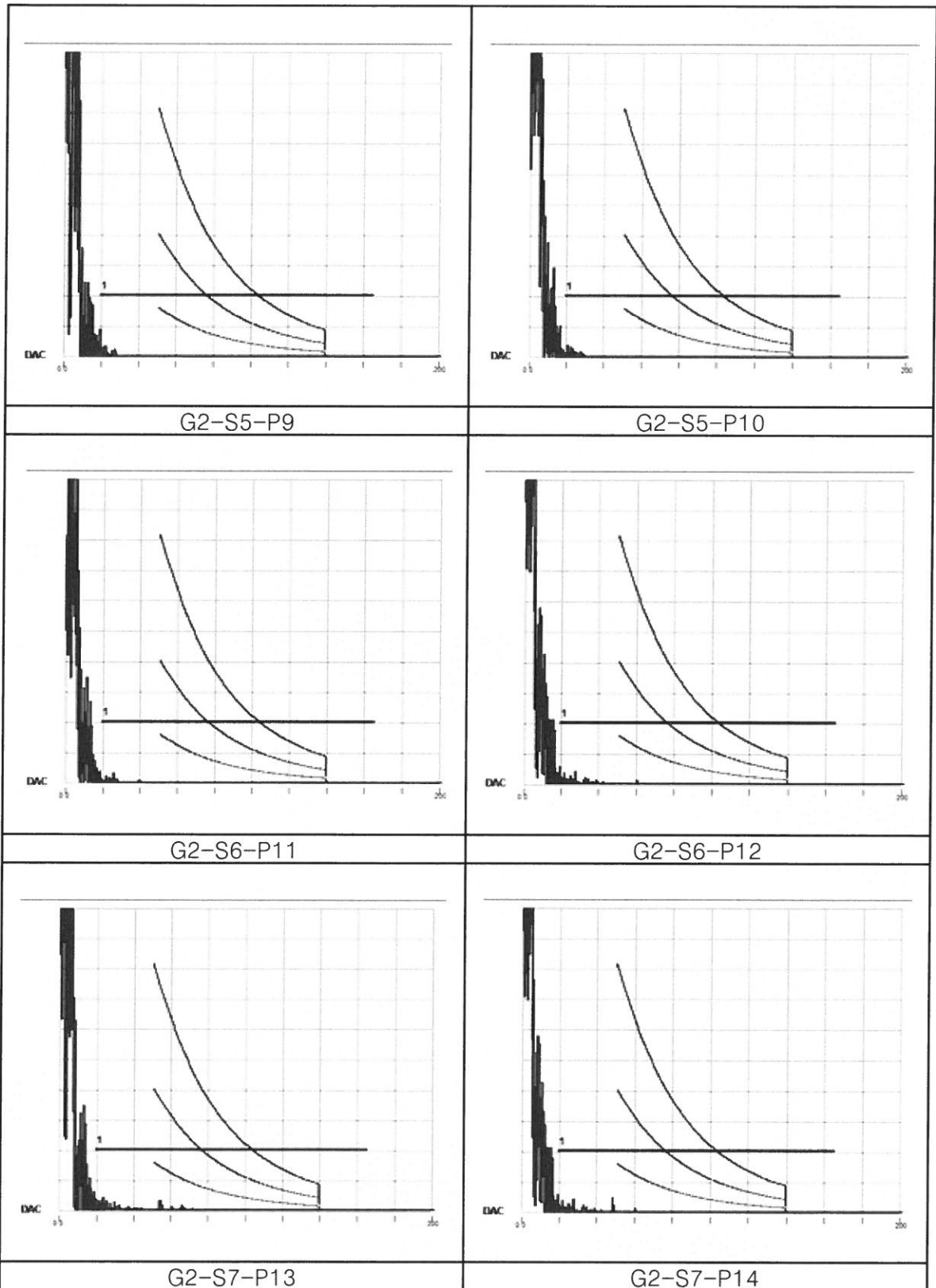
초음파탐상검사DATA



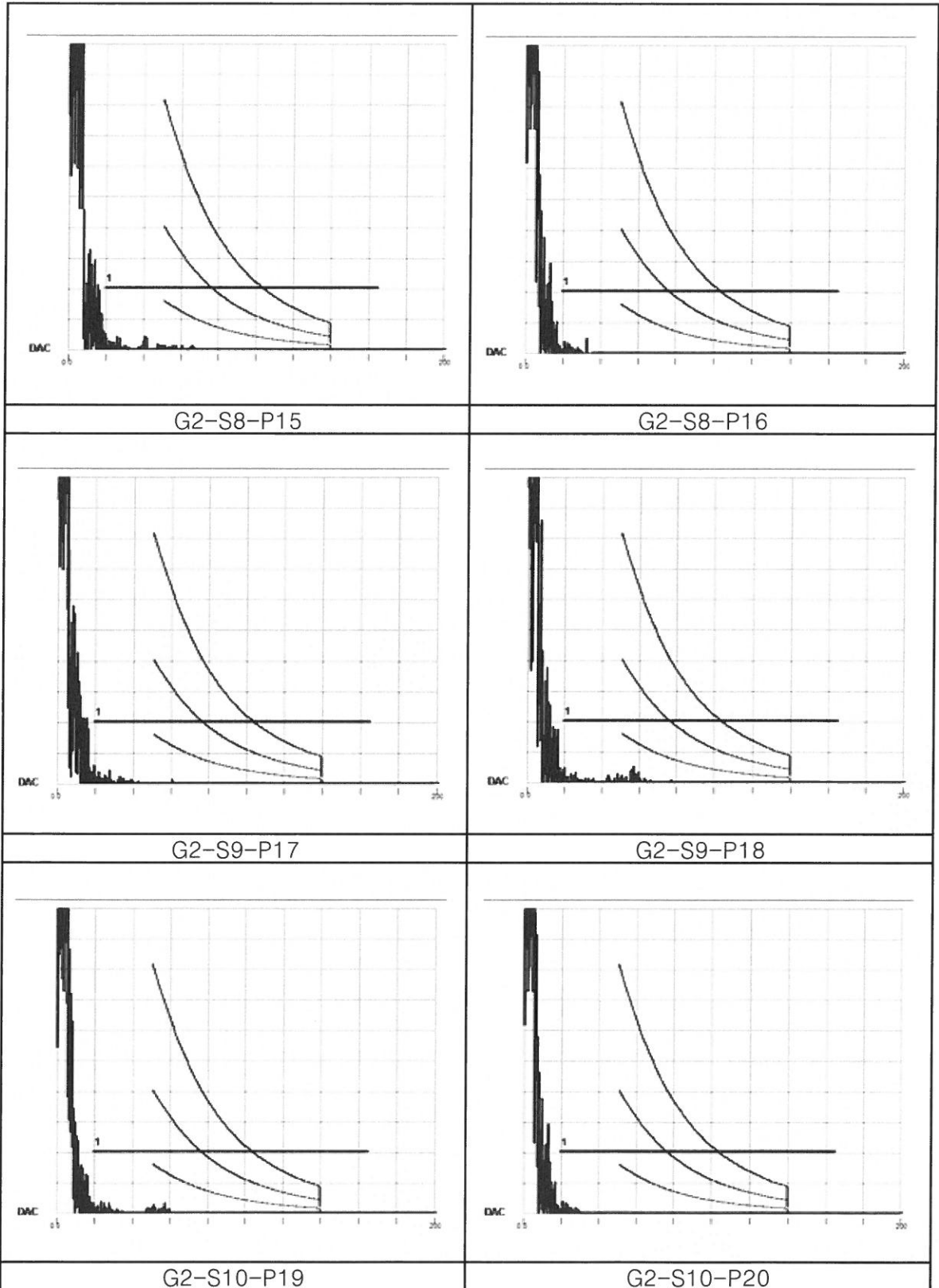
초음파탐상검사DATA



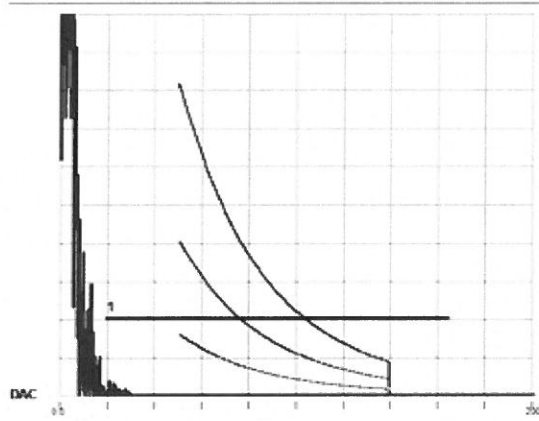
초음파탐상검사DATA



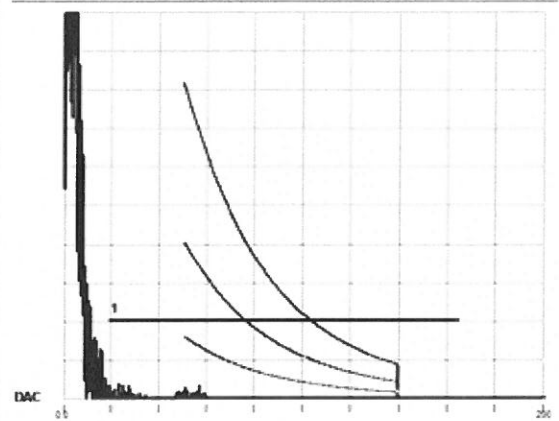
초음파탐상검사DATA



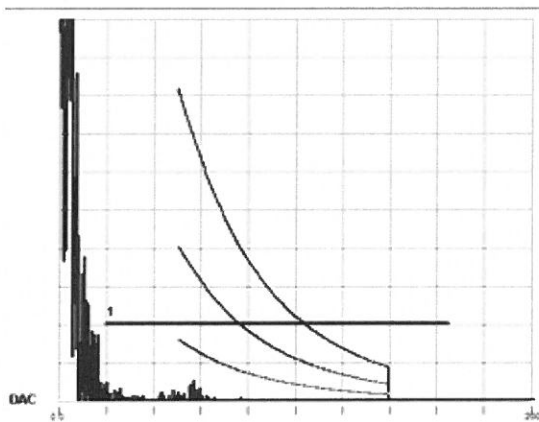
초음파탐상검사DATA



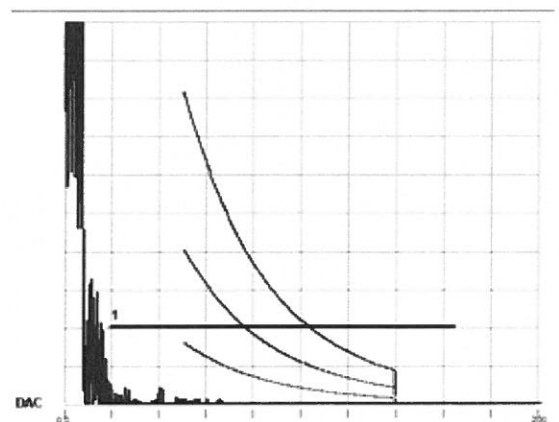
G2-S11-P21



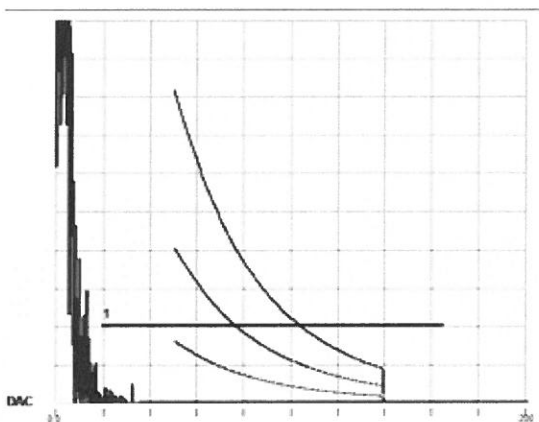
G2-S11-P22



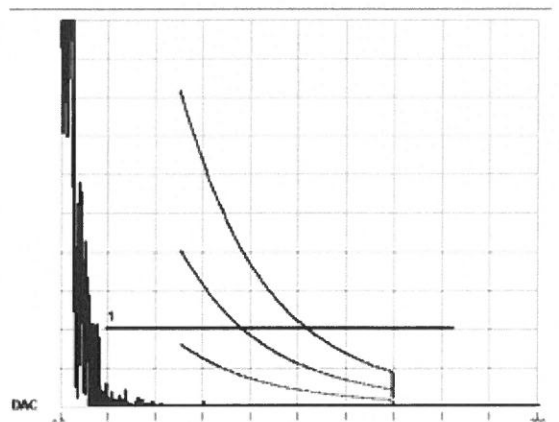
G3-S1-P1



G3-S1-P2

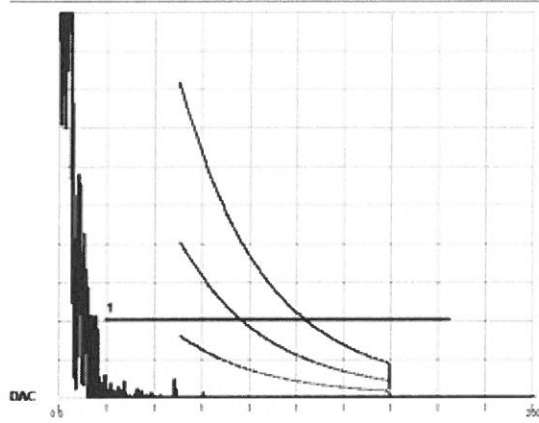


G3-S2-P3

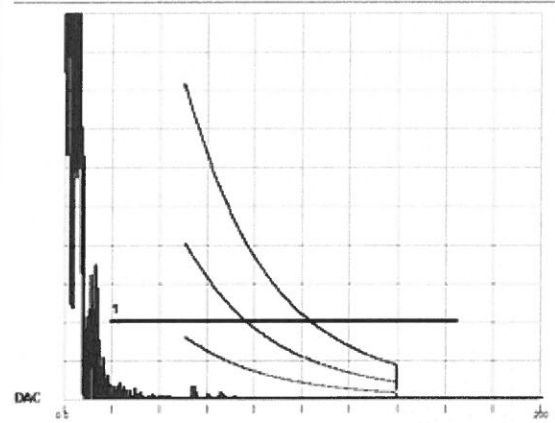


G3-S2-P4

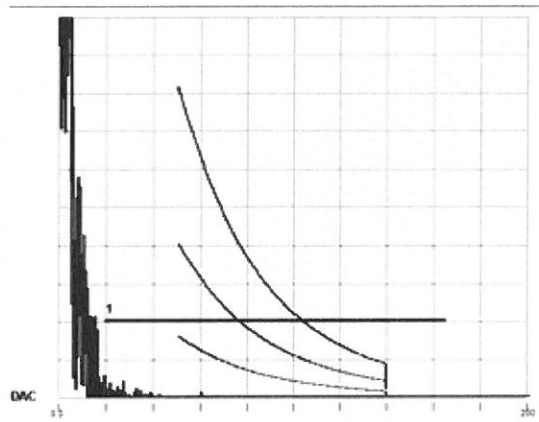
초음파탐상검사DATA



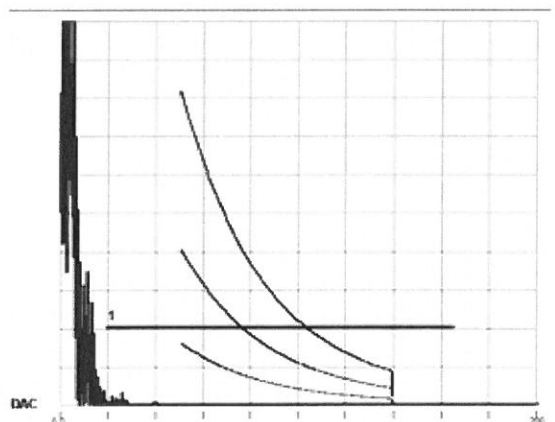
G3-S3-P5



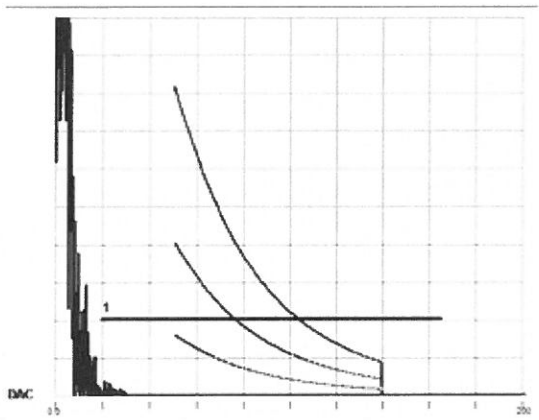
G3-S3-P6



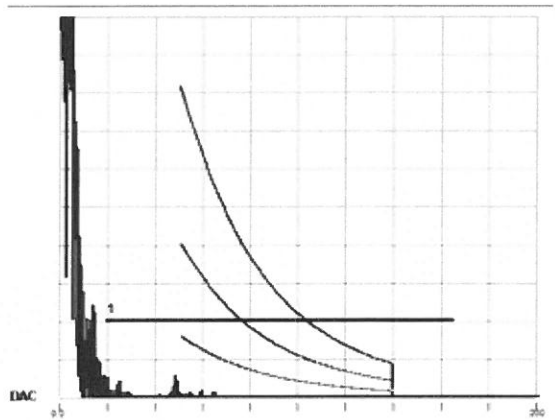
G3-S4-P7



G3-S4-P8

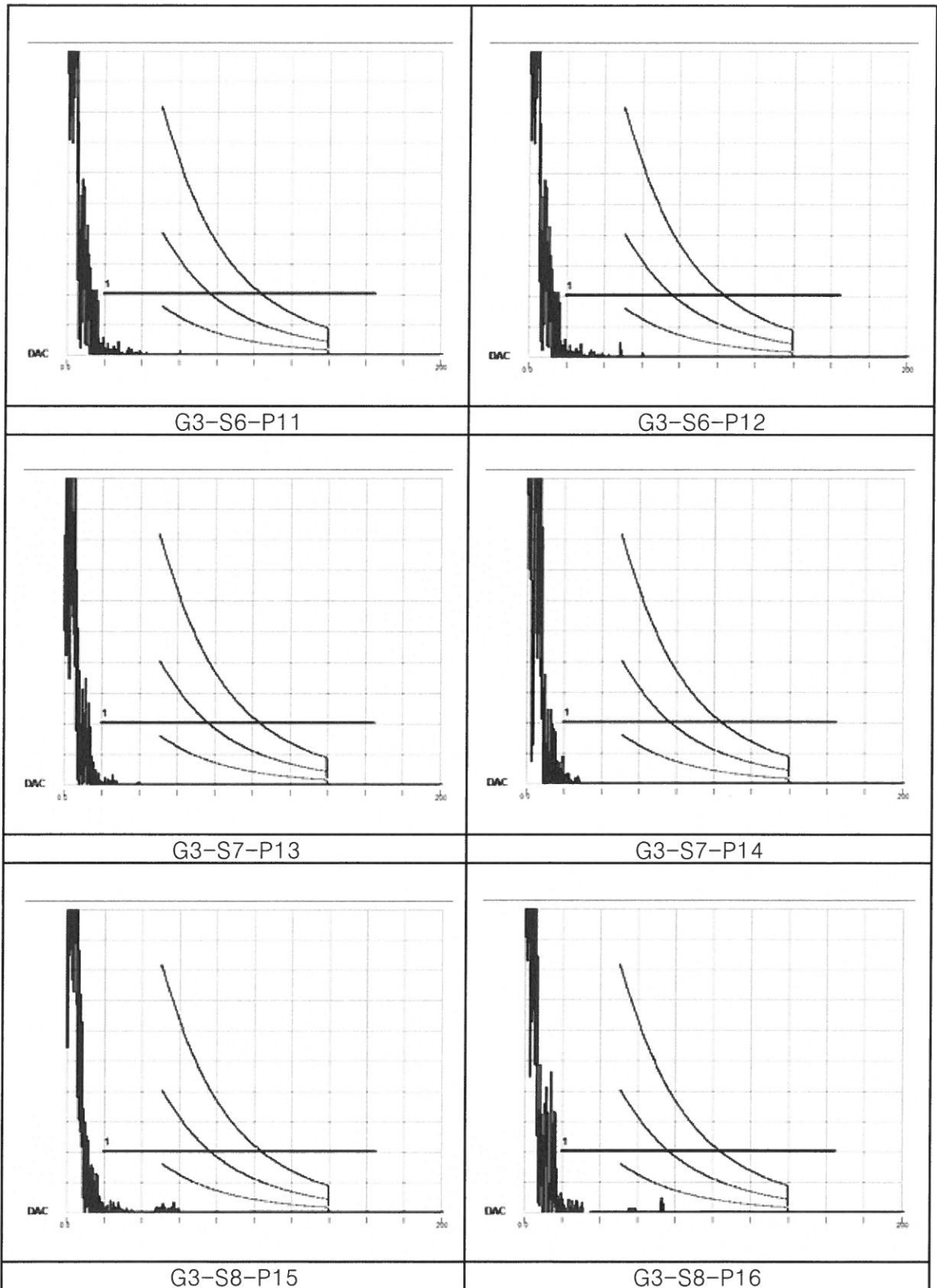


G3-S5-P9

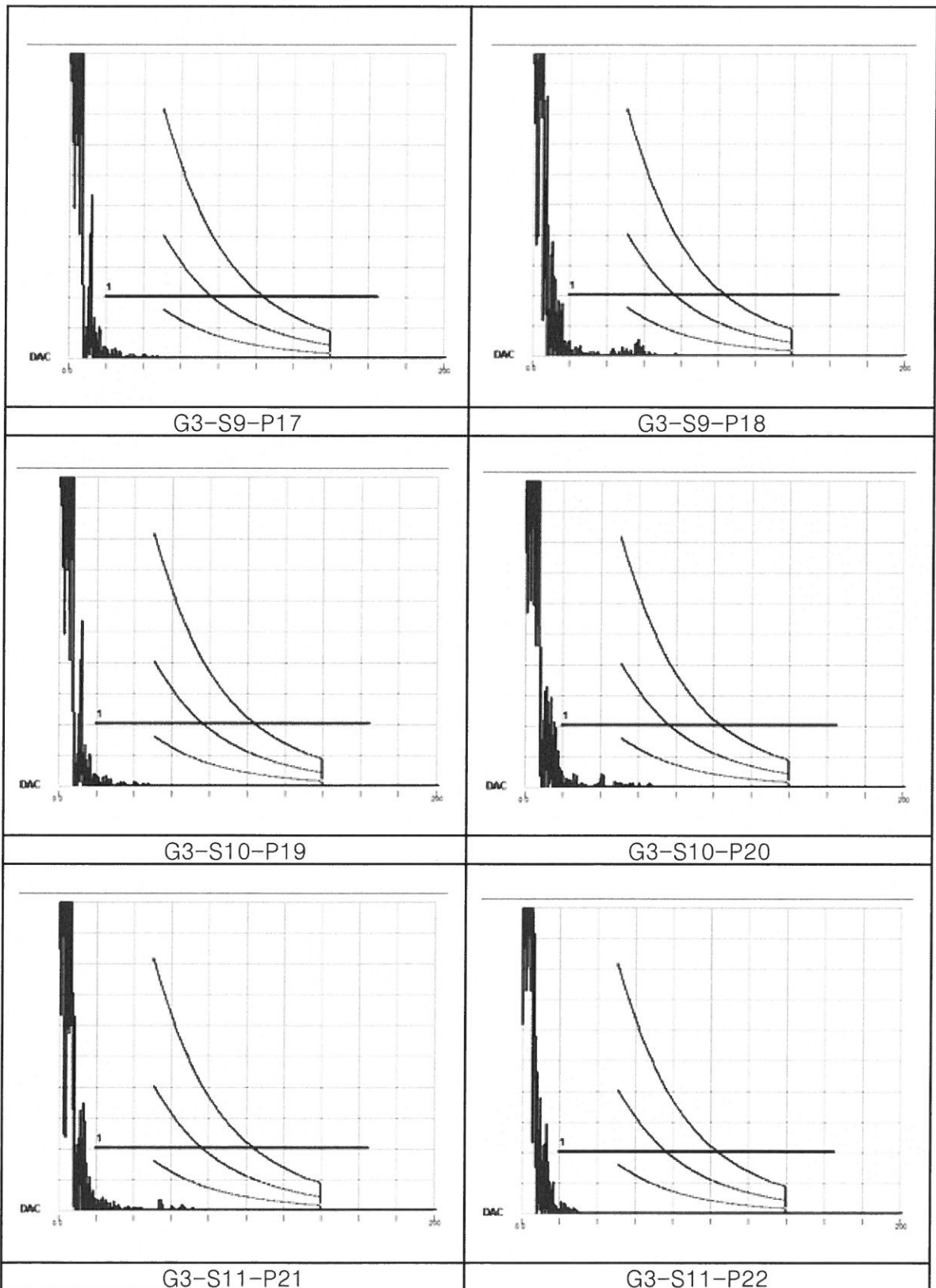


G3-S5-P10

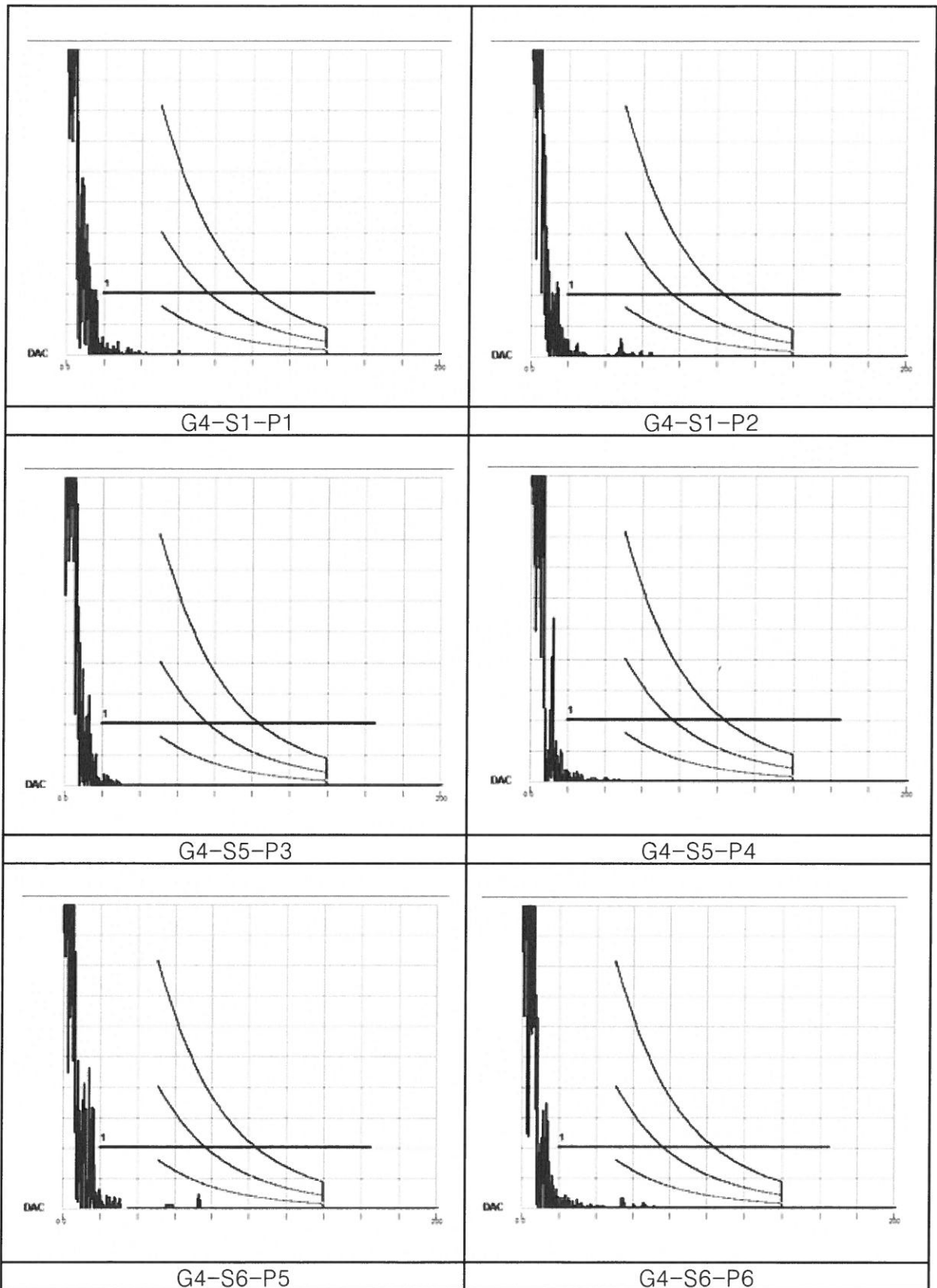
초음파탐상검사DATA



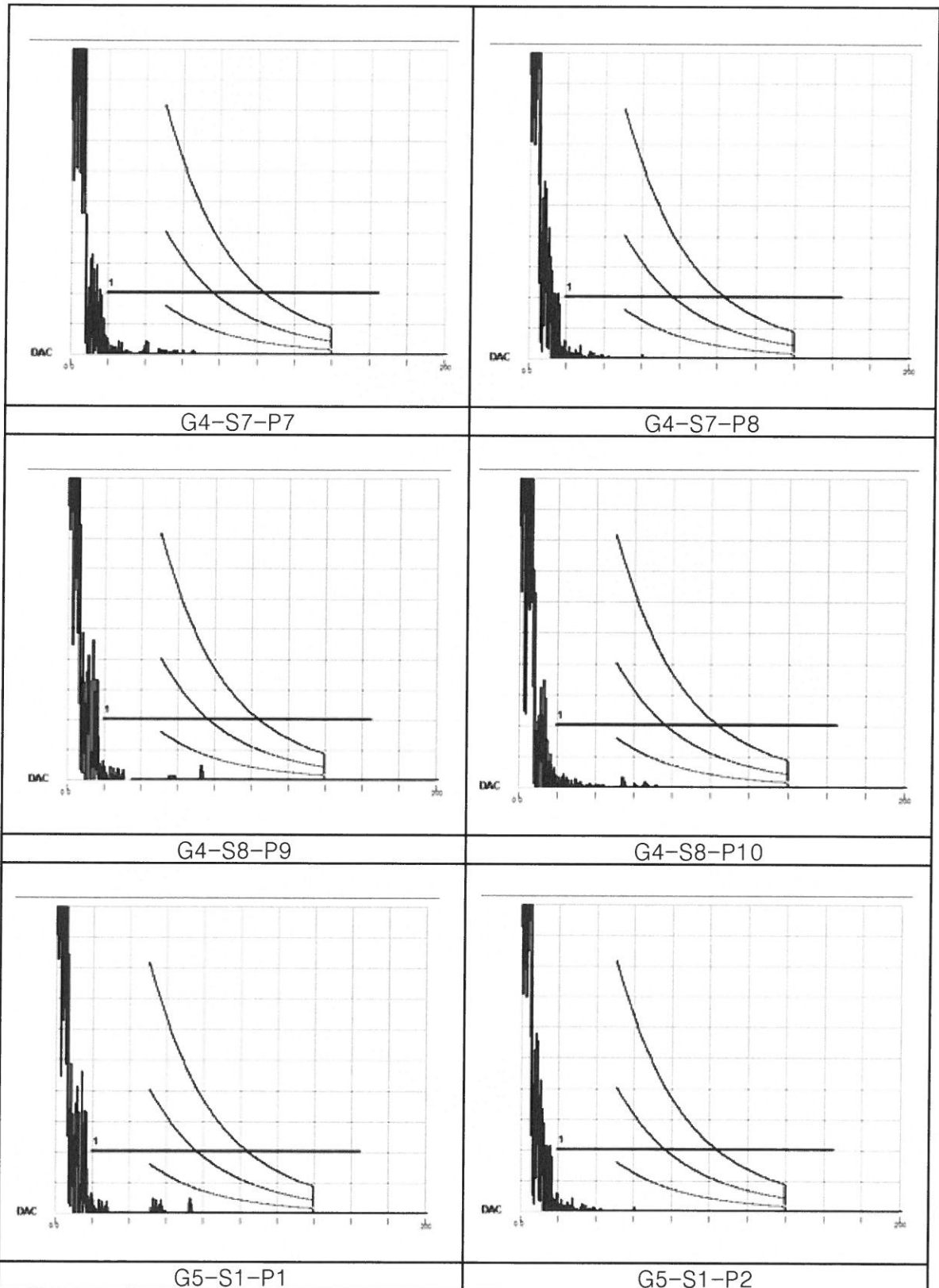
초음파탐상검사DATA



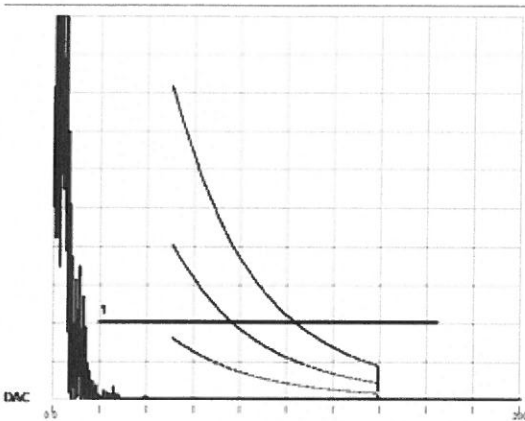
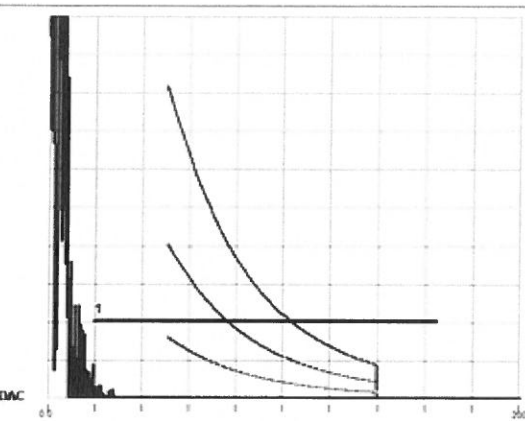
초음파탐상검사DATA



초음파탐상검사DATA



초음파탐상검사DATA

	
G6-S1-P1	G6-S1-P2