# GKN Aerospace Engineering Services Test Facilities

Test Certificate No WA/TF/0689

**APPENDIX A** 

Vibration Test Log Sheets and Plots

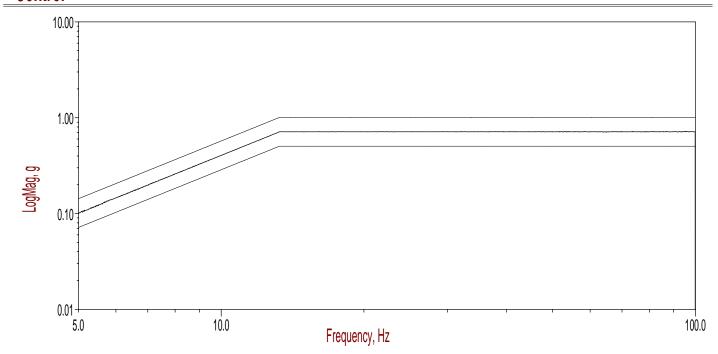
CHI	ANZ	5	ENVIRONMENTAL GR	OUP	W.O. NUMBER	TFT 458	ES
FIRM 5	RT		SPECIMEN SEE	SELOW	s	ER. NO. SEE BELOW	SHEET
TEST DESC	RIPTION S	NUSOIDAL	IBRATION FACILITY	SPEC. NO.	SIG.		
· DATE	TEST NO.	AMB, CONDITIONS	TEST DATA		TIME	FUNCTIONAL CHECKS	SIG.
16-8-06			SPECIMENS:-				
			OFF SRT-MTG	5 - OEM (WHITE	()		
			UNIT No #005				
			OFF COMAR CS	B 200			
			5/No 003				
			CLASS B AIS	TRANSPONDER	( BLAC	N)	
			VIBRATION TES	STING TO			
			IEC 62287-1	FIRST EDITION			
				IEC 2006 (E)			
			PARA 9.2,1. DE	FINED SWEEP	RATE		
			EFERS TO IEC	60945 IEC	2002		
			PARA 8.7. DEKIN	VED AMPLITU	IDE		
			1 mm Peal to Pea	M 5 to 13.32	NZ		·
			).7138 a peak				
			13.32 rd 100 V		we /	minure	

			ENV	TRONMENTAL GROUP	W.O. NUMBE	ES	
FIRM S	RT		SPECIMEN	SRT-MTB-OEM & CSB 200		SER. NO. SEE SUT!	TI 2083
TEST DESC	CRIPTION SIN	Jusoidal Vir	BRATION	FACILITY DPS60 / DVS	SPEC. NO		
· DATE TEST NO. AMB. CONDITIONS			TEST DATA			FUNCTIONAL CHECKS	sig.
16-8-06			SWEEP 1	IMITED TO S NZ			
			LOWER FRE	EQUENCY INSTEAD OF 2NZ			
			TIME TO	BE MADE UP BY A			
			13 MIN 20	sec DWELL AT S MZ			
	RUNI	24°C 50%	SWEEP C	OMMENCED IN VERTICAL			
				N DNS SNAMER	12-07	f ON	DB
			BI-DIRECT	TIONAL SWEEP COMPLETED	12-5	l On	OB
	RUN 2			MENCED IN VERT AXIS	12-52	. on	DB
				1.0 mm (0.1 g peak)			
		25°C 46%	DWELL	COMPLETED	13-01	6 ОИ	DB
	RUN 3		SPECIMEN:	S MOUNTED ON SLIP			
			TABLE 1				
		25°C 490/0	SWEEP	COMMENCED	14-50	ON	DB
		25°C 47%	BI-DIRECTION	NAL SWEEP COMPLETED	15-32	ON	06

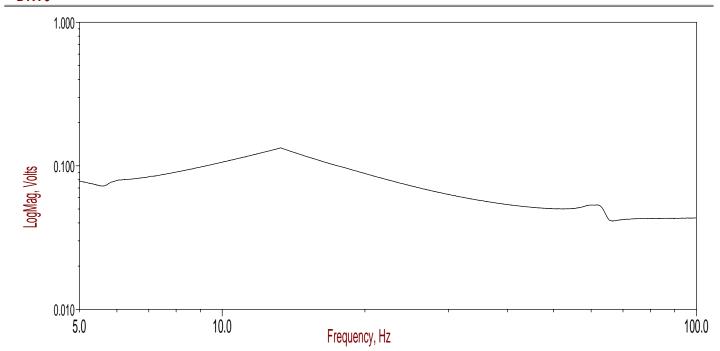
ENVIRONMENTAL GROUP						TIRONMENTAL GROUP	W.O. NUMBER TFT 458				ES		
FIRM S	RT			SPI	SPECIMEN SRT-MTB-0EM & CSB 200				SER. NO.	see sut 1	3 of 3		
TEST DESC	ASOIDP	IL VIBR			SPEC. NO. SEE S		5N71	SIG.					
· DATE			TEST DATA		TIME	FUI	FUNCTIONAL CHECKS						
16-8-06	RUN 4	<b>አ</b> 5℃	47%	DWEL	ل ر	OMMENCED IN LATERA	16 17	15-31	+	ON	OB		
		25%	47 %			COMPLETED		15-4	1	٥N	OB		
17-8-06	RUNS			SPECI	MEN	S MOUNTED ON SI	LIP						
				TABLE	'un	LONGITUDINAL AXIS							
		22°C	67%	SWEE	9	COMMENCED		09-00		0 W	DB		
						ONAL SWEEP COMPLETE	D	09- 44		OM	DB		
	RUNG			DMELL	CoMM	LENCED IN LONGITUDINAL A	χις	09-46	,	0 N	DB		
						COMPLETED		09-59		ON	OB		
					·								
			<del></del>							,,			
											:-		

Software Radio Technology SRT-MTB- OEM Unit No #005 and COMAR CSB200 S/No 003 W/O TFT458 End of Run No 1 in Vertical Axis 16/08/2006

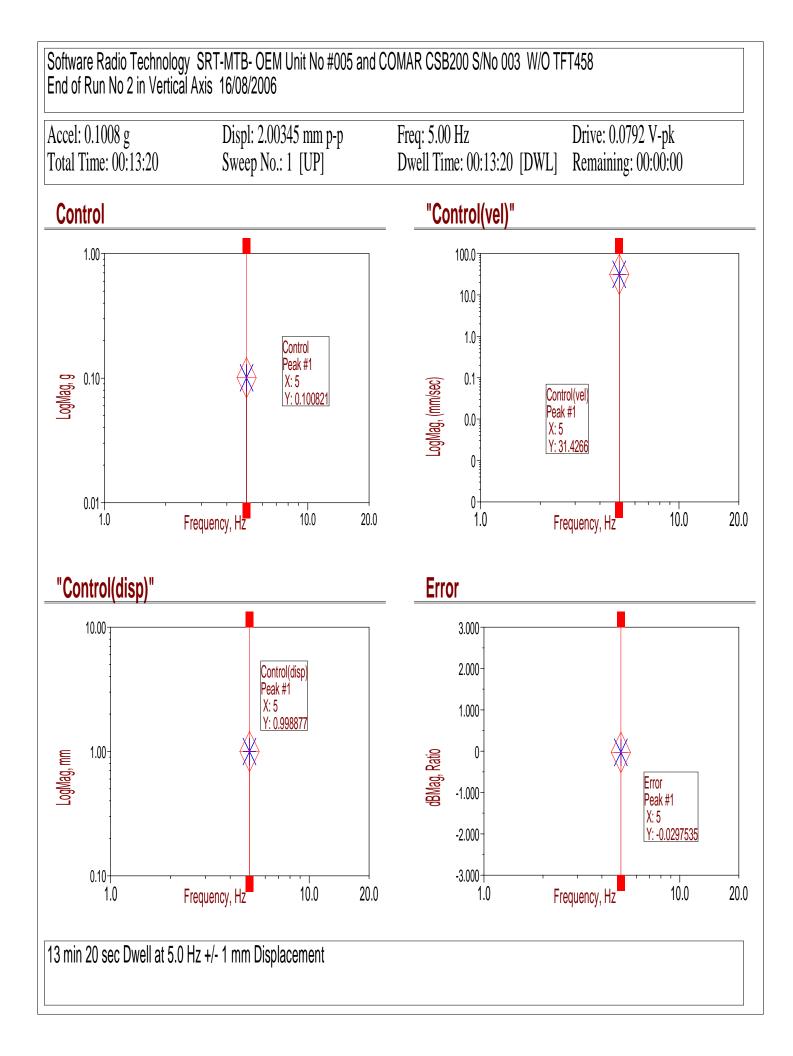
### Control



# **Drive**

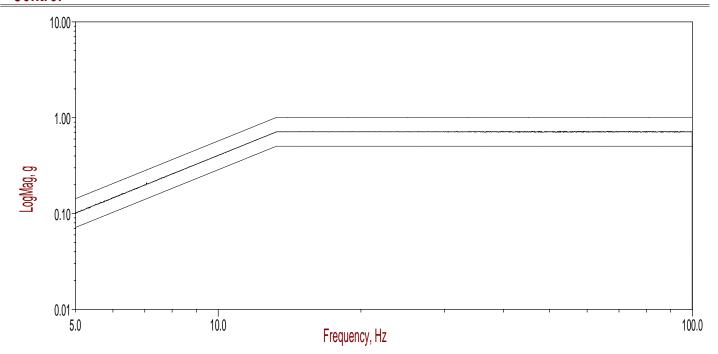


+/- 1 mm Displacement 5 to 13.32 Hz : 0.7138 g peak 13.32 to 100 Hz : 0.2 octave / min sweep rate 1 Bi-directional sweep per axis

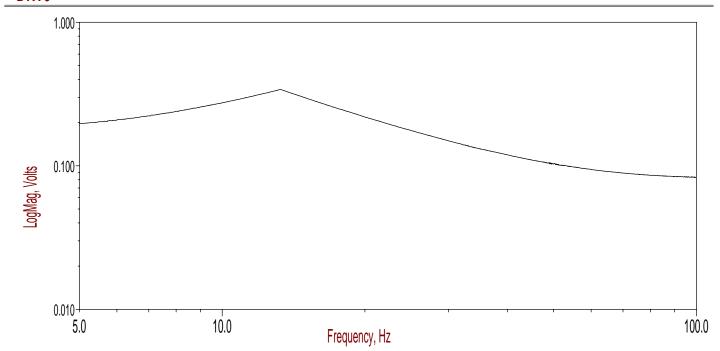


Software Radio Technology SRT-MTB- OEM Unit No #005 and COMAR CSB200 S/No 003 W/O TFT458 End of Run No 3 in Lateral Axis 16/08/2006

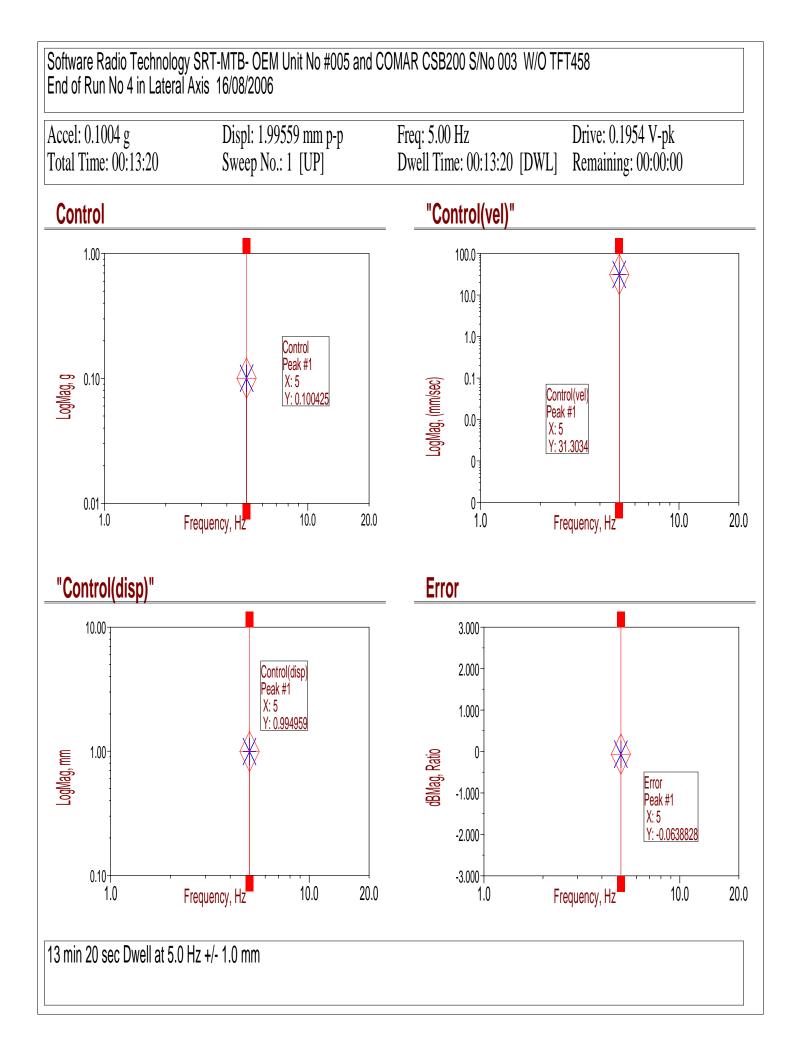
### Control



# **Drive**

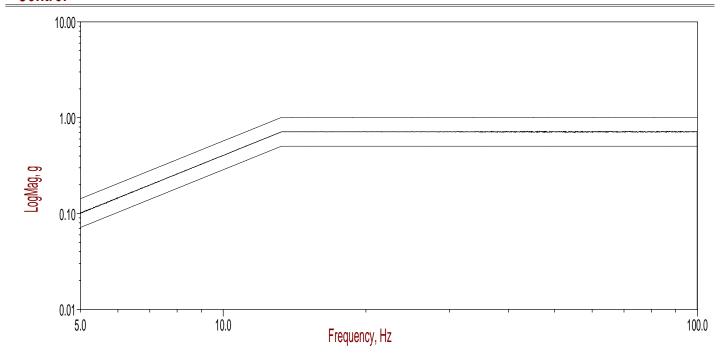


+/- 1 mm Displacement 5 to 13.32 Hz : 0.7138 g peak 13.32 to 100 Hz : 0.2 octave / min sweep rate 1 Bi-directional sweep per axis

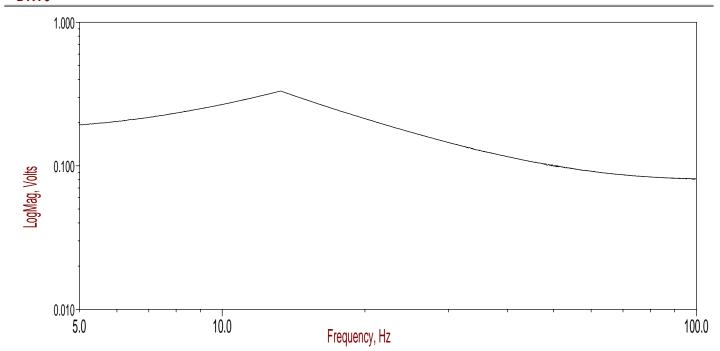


Software Radio Technology SRT-MTB- OEM Unit No #005 and COMAR CSB200 S/No 003 W/O TFT458 End of Run No 5 in Longitudinal Axis 17/08/2006

# Control



# **Drive**



+/- 1 mm Displacement 5 to 13.32 Hz : 0.7138 g peak 13.32 to 100 Hz : 0.2 octave / min sweep rate 1 Bi-directional sweep per axis

