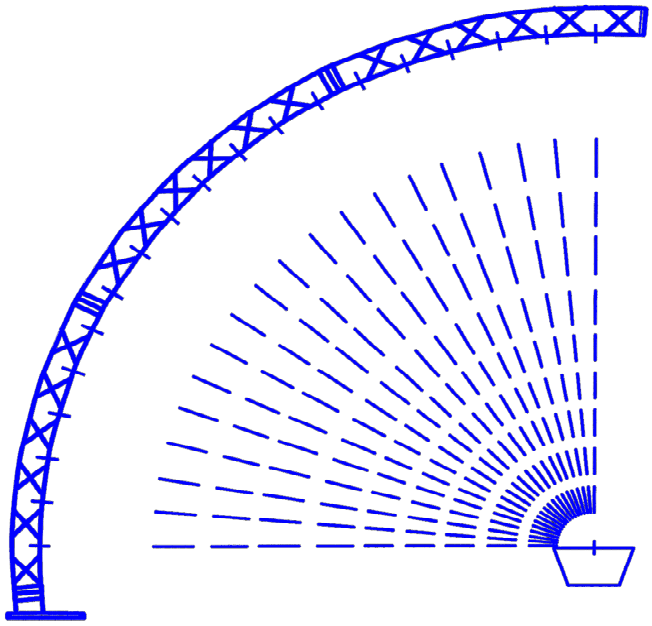
NWAA Labs, Inc

Speaker Test Results

Tannoy, Ltd
Model VQ 100 2 way Active



"Testing At The Speed of Sound"

25132 Rye Canyon Loop, Santa Clarita, CA 91355, Tel: 253-973-1018
E-Mail: audio_ron@msn.com

NWAA Labs Inc

25132 Rye Canyon Loop, Santa Clarita, CA 91355

253-973-1018 or 253-229-7448

Model # VQ-100 Act 2way
SN# (none)

Customer

Name	Tannoy, Ltd				
Address	Coatbridge, North Lanarkshire				
City		State	U.K.	ZIP	ML5 4TF
Phone	44 (0) 1236 420199				

Misc

Form Date	2/4/2008
Test date	2/4/2008
Ret Date	
Status	

SPEAKER CHECKLIST

	Y/N	Status	Type	Notes
Outside Shipping Damage?	No	Complete		
Unbox and check speaker for damage?	No	Complete		
Top and Bottom Parallel? Y/N	Yes	Complete		
If Yes Mount plates on Speaker	Yes	Complete		
If No then Design mounting				
Mounting Setup			Normal	
Input Connector Type			XLR	
Passive or Multichannel			2 ch active	
Balloon Test	Yes	Complete		
Impedance Test	Yes	Complete		
Power Test (RMS, Peak, Average or Program)	No		EIA-426-B	1000W RMS LF and 200w RMS MF/HF
Max SPL Test	No			
THD	No			
Harmonic Tracking	No			
Sensitivity	Yes	Complete		
CLF 1 and 2	Yes	Complete		
EASE v.3 and v.4	Yes	Complete		
DXF Drawing	Yes	Complete		
Weight	68.5Kg			Pin layout diagram

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BALLOON TEST

Impedance	2 Ch Active(LF 4Ω nom, MF/HF 8Ω nom
Angular Resolution	5 Degrees
Frequency Resolution	1/3 Oct
Full Sphere/ Half Sphere	Full
Measuring Distance	**4.01 Meters**
Speaker Input Voltage	3.6VRMS 1K Sine wave at LF
DSP Input Voltage	
DSP Latency *(in milliseconds)*	0.8
Time of Flight Latency *(in milliseconds)*	11.8
Total Latency *(in milliseconds)*	12.6
Upper Temperature at Start of Test	64.3F
Lower Temperature at Start of Test	63.2F
Upper Temperature at Speaker Turnover	
Lower Temperature at Speaker Turnover	
Upper Temperature at End of Test	64.3F
Lower Temperature at End of Test	63.2F
Rotation point	See Case

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Status

IMPEDANCE WORKSHEET

Output Level:	1vRMS

Frequency	Meas. Imp
100 Hz	10.9
125 Hz	30.3
160 Hz	7.0
200 Hz	5.7
250 Hz	6.1
315 Hz	6.1
400 Hz	5.8
500 Hz	11.4
630 Hz	6.9
800 Hz	7.3
1000 Hz	12.2
1250 Hz	16.8
1600 Hz	7.5
2000 Hz	6.8
2500 Hz	9.2
3150 Hz	9.4
4000 Hz	6.0
5000 Hz	6.2
6300 Hz	5.8
8000 Hz	5.7
10000 Hz	6.0

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NORMALIZED SENSITIVITY WORKSHEET - 1/3 OCT.

Speaker Voltage	**3.6VRMS 1 K Sine wave**
Measuremt Distance:	**4.01 meters**

Frequency	Measured	Corrected
100 Hz		103.0
125 Hz		106.9
160 Hz		109.7
200 Hz		110.3
250 Hz		110.7
315 Hz		110.8
400 Hz		109.9
500 Hz		110.1
630 Hz		109.6
800 Hz		112.0
1000 Hz		110.4
1250 Hz		111.9
1600 Hz		111.6
2000 Hz		110.3
2500 Hz		110.4
3150 Hz		111.3
4000 Hz		110.6
5000 Hz		111.5
6300 Hz		112.9
8000 Hz		111.7
10000 Hz		109.7

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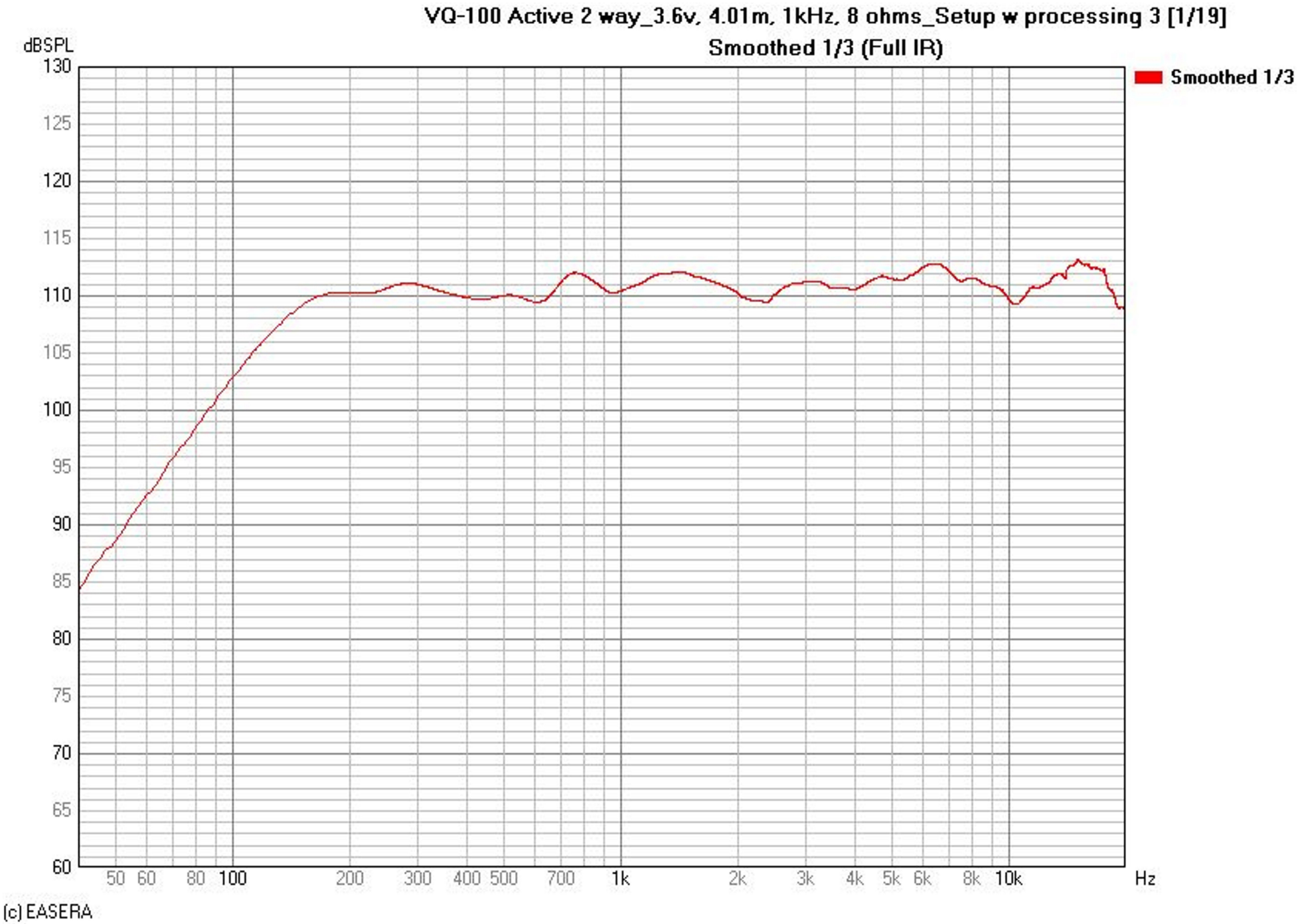
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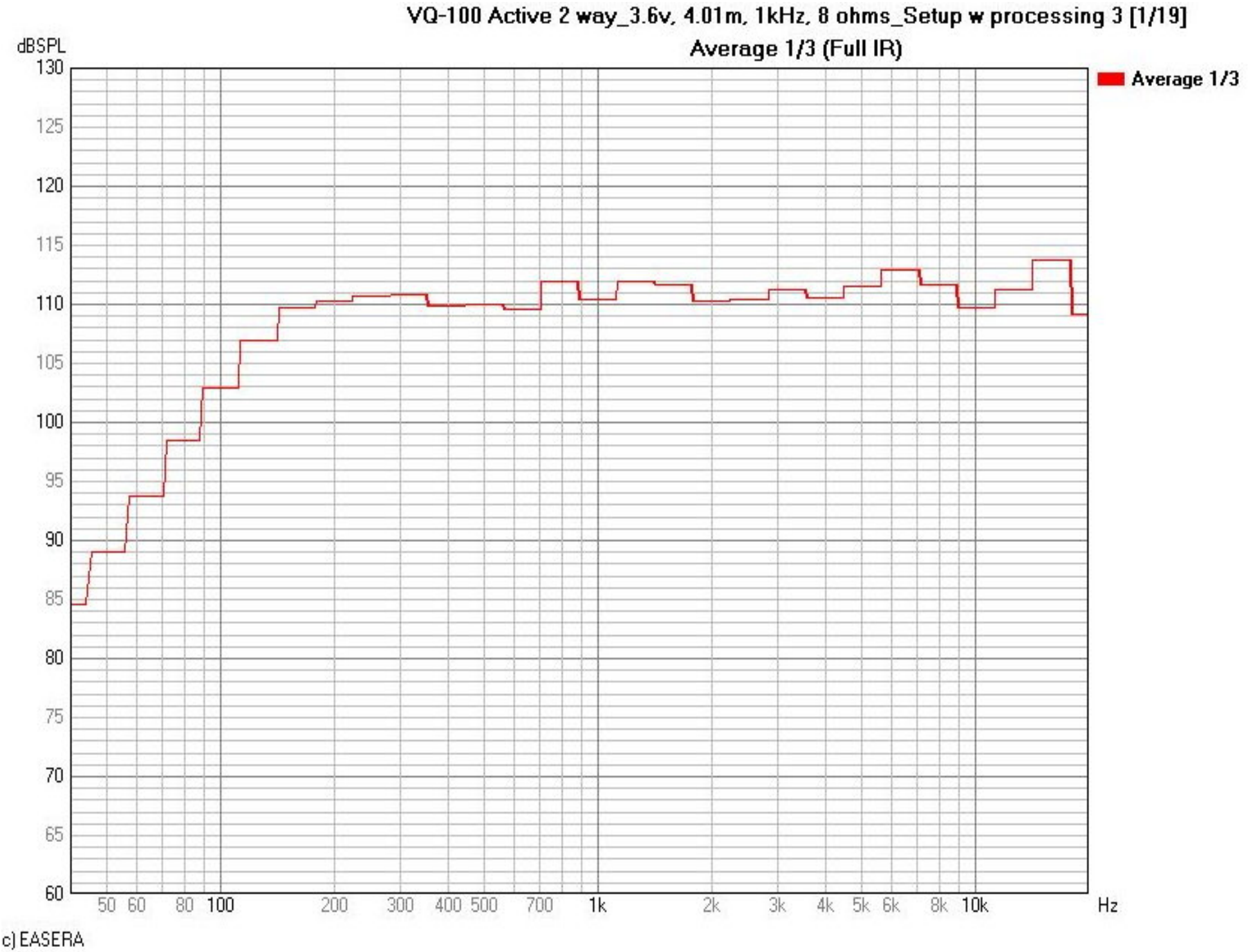
Form Date 2/4/2008
Test date 2/4/2008
Ret Date
Status

NORMALIZED SENSITIVITY WORKSHEET - 1/1 OCT.

Speaker Voltage	**3.6VRMS 1 K Sine wave**
Measuremt Distance:	**4.01 meters**

Frequency	Measured	Corrected
125 Hz		107.7
250 Hz		110.7
500 Hz		109.8
1000 Hz		111.5
2000 Hz		110.7
4000 Hz		111.2
8000 Hz		111.4


VQ-100 Active 2 way_3.6v, 4.01m, 1kHz, 8 ohms_Setup w processing 3 [1/19]
Smoothed 1/3 (Full IR)
dBSPL
130
125
120
115
110
105
100
95
90
85
80
75
70
65
60
50 60 80 100 200 300 400 500 700 1k 2k 3k 4k 5k 6k 8k 10k
Hz
Smoothed 1/3
(c) EASERA


VQ-100 Active 2 way_3.6v, 4.01m, 1kHz, 8 ohms_Setup w processing 3 [1/19]
Average 1/3 (Full IR)
dBSPL
130
125
120
115
110
105
100
95
90
85
80
75
70
65
60
Average 1/3
50 60 80 100 200 300 400 500 700 1k 2k 3k 4k 5k 6k 8k 10k
Hz

c) EASERA

VQ-100 LF
NWAA Labs 2/4/2008 4:08:16 PM
Tannoy□□VQ-100 LF□□Full Impedance Plot
Cursor = 8.9 Ohms at 1000.5 Hz (37.4 degs)

VQ100 MF/HF and LF Overlayed Impedance Plot

