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**SHEILDING EFFECTIVENESS MEASUREMENTS PERFORMED ON SELECTED
HAMMOND PLASTIC BOXES**

RELEVANT STANDARD: VG 95373 P15

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Prepared for:

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1.0 INTRODUCTION

1.1 SCOPE

The purpose of this report is to present the findings and results of shielding effectiveness evaluations performed, against relevant specification: SHIELDING EFFECTIVENESS MEASUREMENTS, VG 95373 P15.

1.2 APPLICABILITY

Test procedures, and results defined in this document apply to Plastic Boxes provided by Hammond Manufacturing.

The results contained in this report relate only to the item(s) tested.

1.3 TEST SAMPLE DESCRIPTION

The test samples provided for evaluation by HAMMOND MANUFACTURING were:

1. PLASTIC BOX LOADED WITH 10 PERCENT STAINLESS STEEL
2. PLAIN HAMMOND PLASTIC BOX
3. NICKEL COATED PLASTIC BOX

1.4 PHYSICAL CHARACTERISTICS

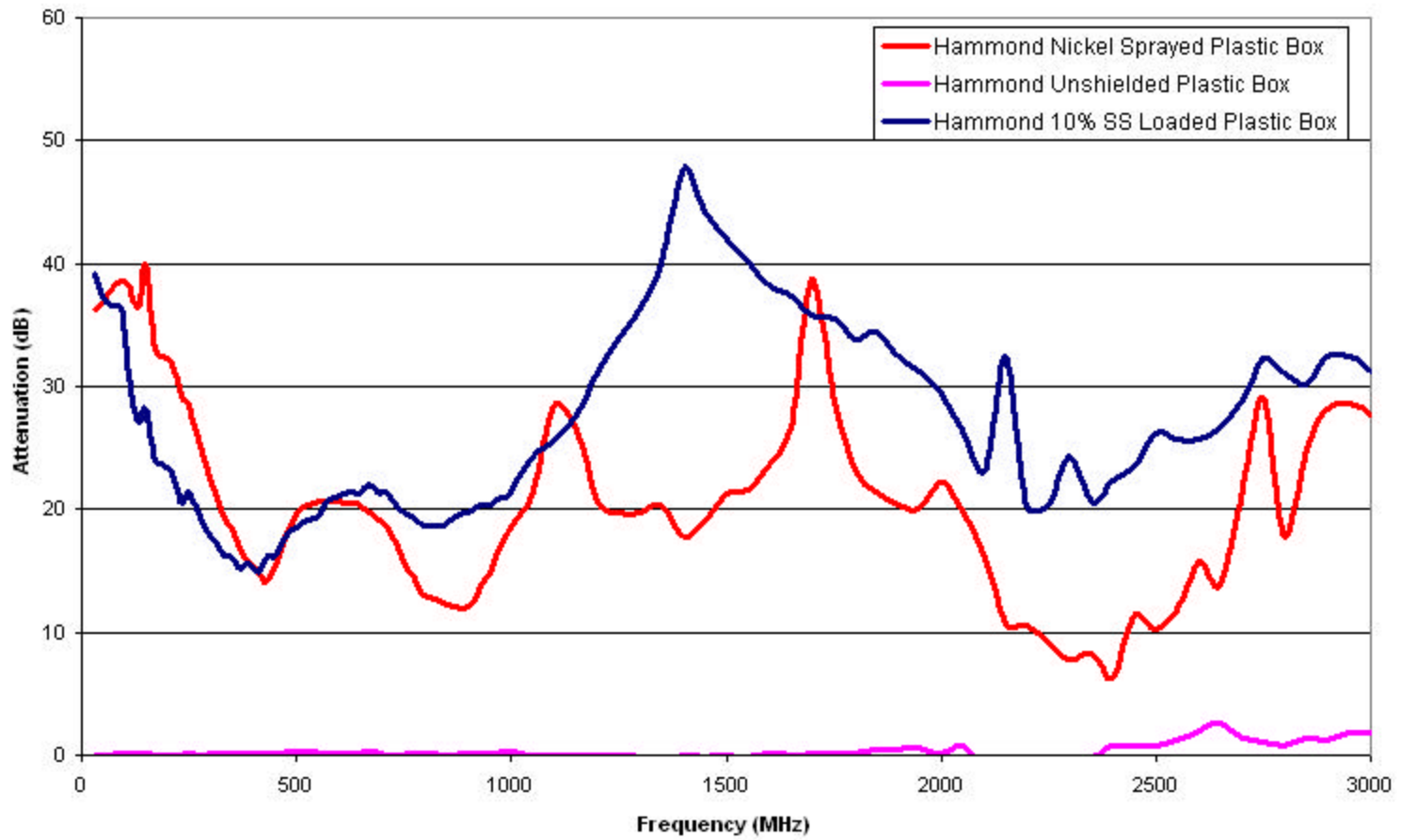
The dimensions of the test samples provided were 131 mm long by 66 mm wide by 55 mm deep (with cover). The box walls were 3.3 mm thick.

1.5 OBSERVATIONS

Prior to performing SE measurements on the plastic box samples, the mating surfaces of the box and cover were lightly sanded as suggested by Hammond, to improve bonding.

The non linear profile of attenuation with respect to frequency is most likely attributable to apertures between the box and cover. The presence of metallic screws attaching the cover to the box may also be attributable to non linearity.

Shielding Effectiveness of Selected Hammond Plastic Boxes



EQUIPMENT LIST

2319	DRG Horn Antenna	1 - 18GHz	Electrometrics	RGA60	2966	27-Dec-03	27-Dec-04
4297	Spectrum Analyzer	100Hz - 22GHz	Hewlett Packard	HP8566B	2747A05484	04-Aug-03	04-Aug-04
5078	Biconilog Antenna	20MHz - 2GHz	Amplifier Research	LPB-2520/A	1173	05-Aug-03	05-Aug-04
5513	Radiator Stub	30MHz to 3GHz	MPBT	MPBT001	001	Monitored	Monitored
3970	Synthesized Sweeper	10 MHz to 20 GHz	Hewlett Packard	83620A	3145A01010	04-Aug-03	04-Aug-04