

	<b>Title:</b>	<b>Revision Number:</b>
	<b>Antenna Specification for Large Coil Wafers, Carrier Stations, Storage Cases</b>	<b>AA</b>
Process Owner:	Engineering	

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**2.0 Purpose**

This document provides an antenna specification of models in reference material.

**3.0 Scope**

This document describes antenna specification for large coil wafers.

**4.0 Reference Material**

Large Coil Wafers:

Model Name	Model Number
EtchTemp HD	ETHD
EtchTemp HP	ETHP
EtchTemp LT	ETLT
EtchTemp LC	ETLC
HighTemp 200	HT200

HighTemp 300	HT300
UVi 300	UV300
Integrated 2 300	IW2-300

Carrier Stations, Storage Cases:

Model Name	Model Number
Carrier Station LC 300	CSLC300
Carrier Station LC 200	CSLC200
Storage Case LC 300	SCLC300
Storage Case LC 200	SCLC200

## 5.0 Definitions

N/A

## 6.0 Antenna Specifications

Antenna type: Near Field Magnetic Loop Antenna

Antenna coil diameters: Loop antenna coil diameters: 2 inches

Number of coils: 1

Number of turns: 10

Modulation Method: backscatter modulation-OOK

Pattern: Cardioid Loop pattern

Inductance: 10uH

7.0 Picture of Antenna Coil



7.1 Front view



7.2 Back view