

ELECTROMAGNET TEST REPORT

MODEL 5403AC with

IECO BPS-85-70 POWER SUPPLY

LABORATORY ELECTROMAGNET

System Components

GMW model 5403AC electromagnet, SN 04

Power Supply: IECO BPS-85-70 85V/70A.

DC power supply SGA160/31D-0AAA SN:1237A04096, 5kw, 440V

Field probe: Field Probe: Senis probe 2T SN:077-12, model 0YA02F-J02T0K5J

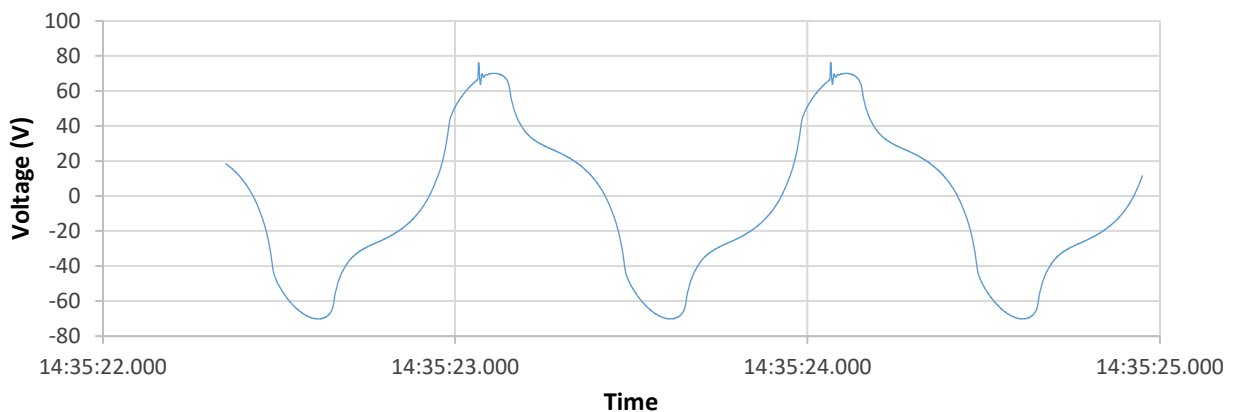
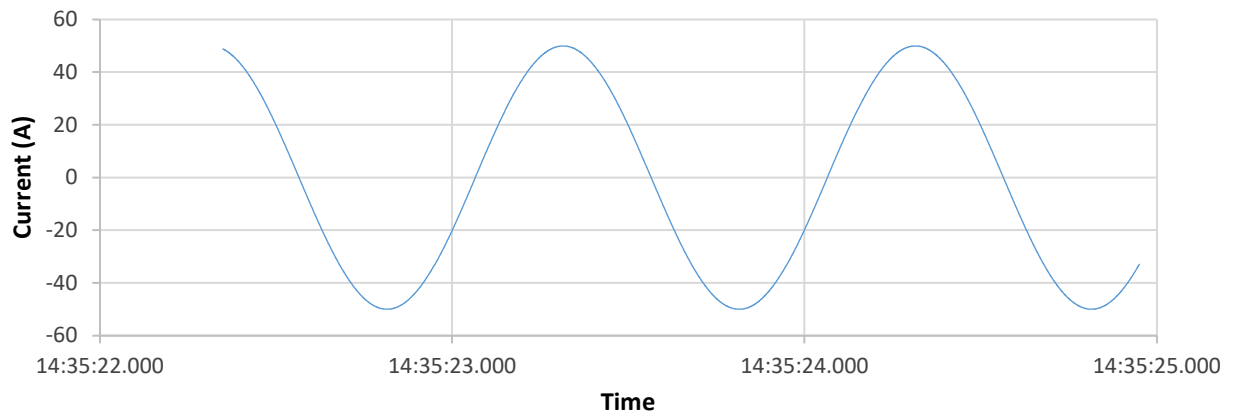
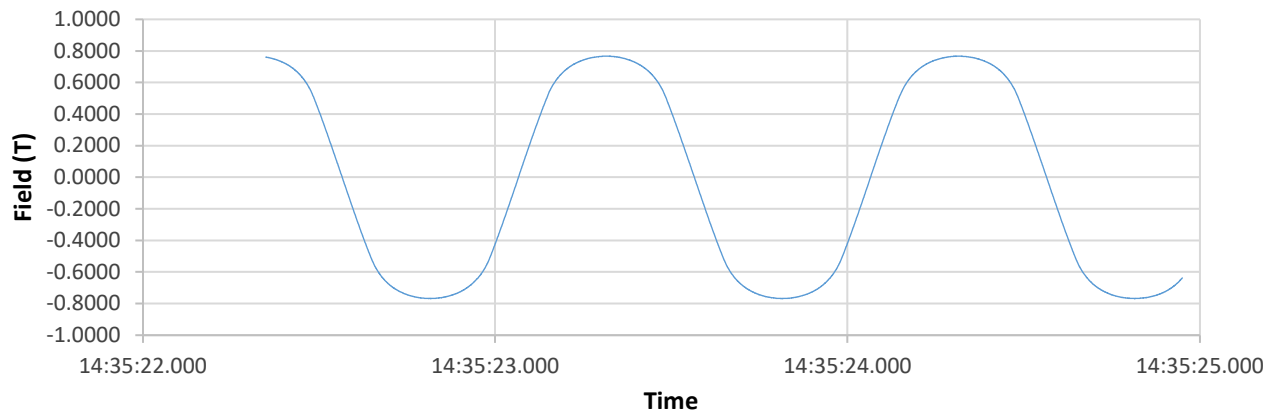
Revision Date : Jan 7, 2022

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Electromagnet Waveform Plot

Contract No:	Page:	1 of 7	Test Date:	11/19/2021
Customer:			Engr:	Y.Qin

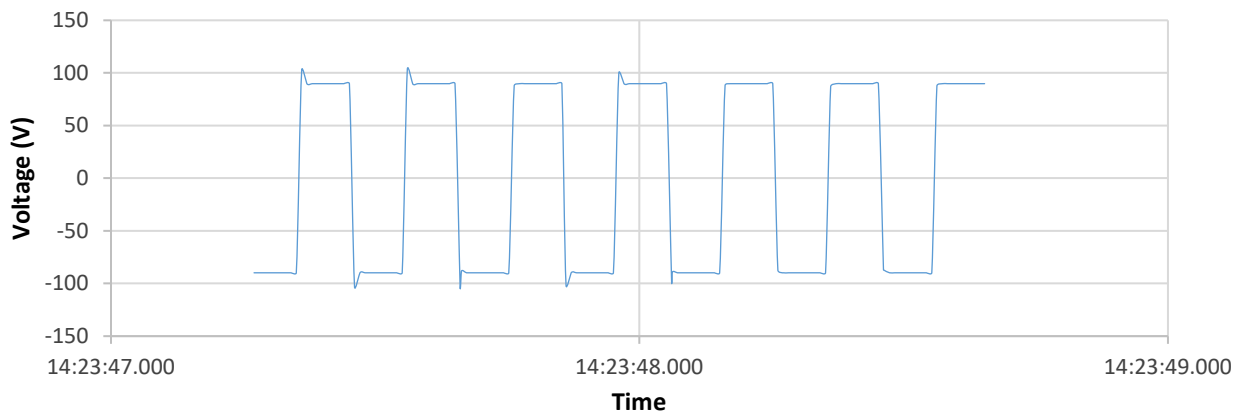
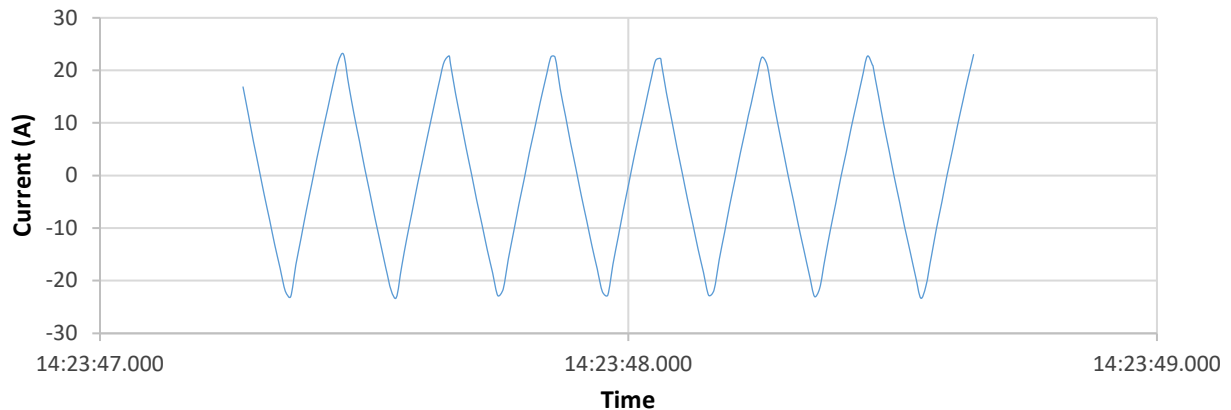
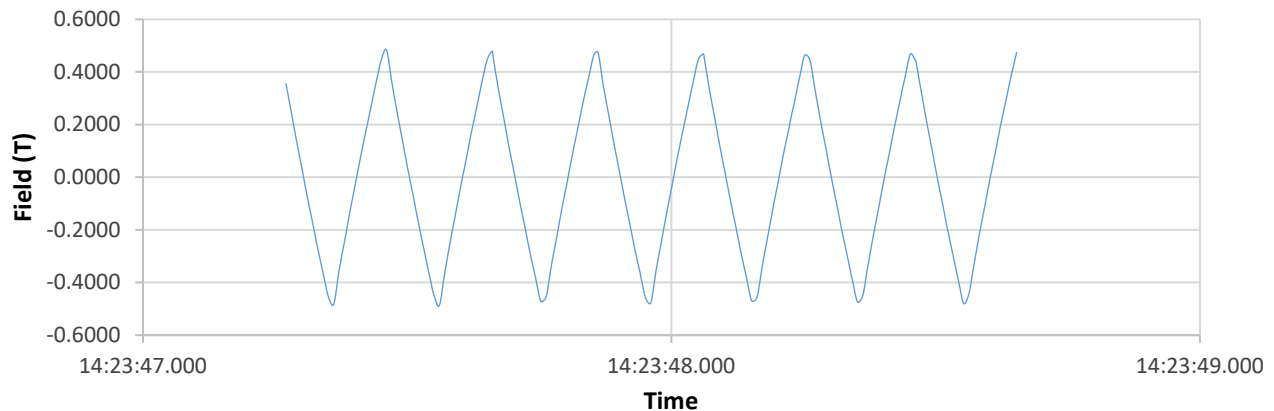
Model:	5403AC	Power Supply:	BPS-85-70, 85V/70A
Serial No:	4	PS Serial No:	31
Pole gap:	40 mm		
Pole Face:	60 mm, round		
Field Probe:	Senis probe 2T SN:077-12, model 0YA02F-J02T0K5J, 5V/T		
Note 1:	Probe location at gap center		
Note 2:	Voltage / Current readback: analog port on BPS		
Note 3:	Sine waveform.50A, 1Hz		



Electromagnet Waveform Plot

Contract No:	Page:	2 of 7	Test Date:	11/19/2021
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Note 3:	Sine waveform.50A, 5Hz		

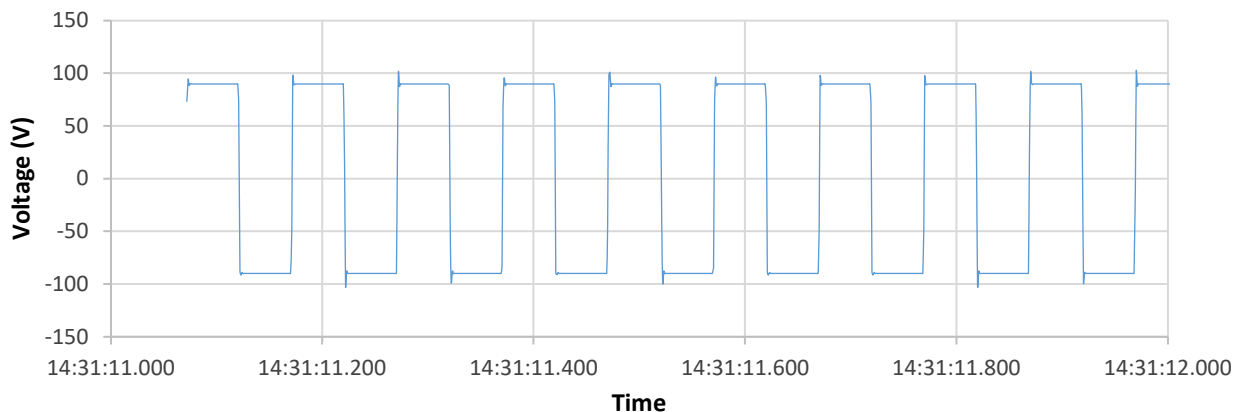
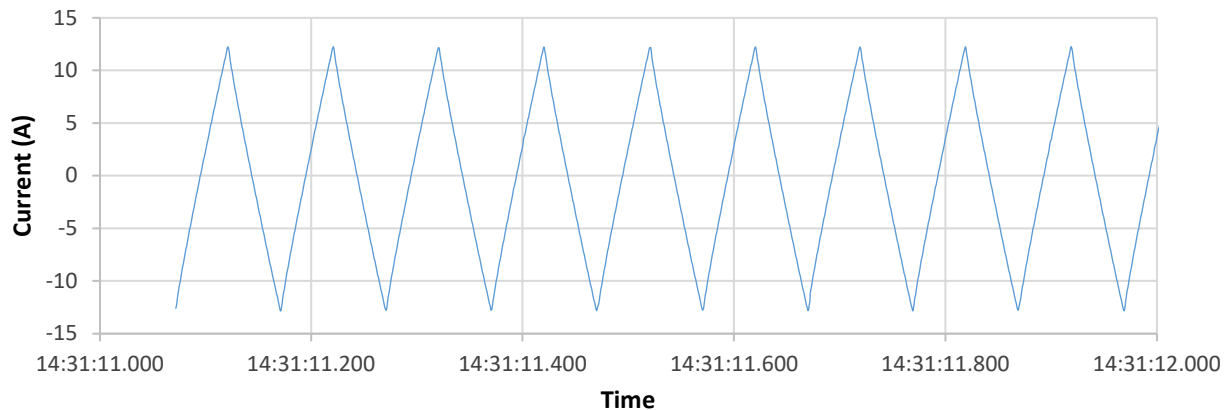
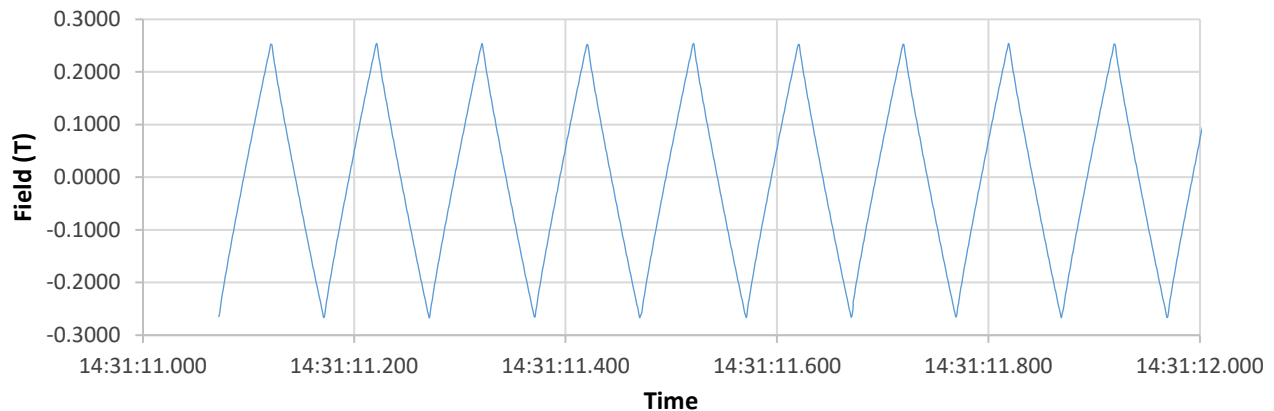


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Electromagnet Waveform Plot

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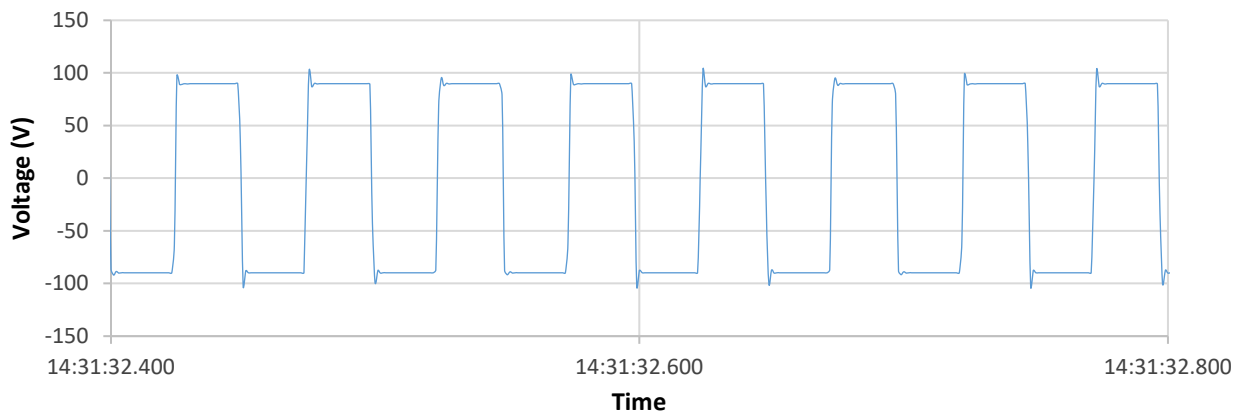
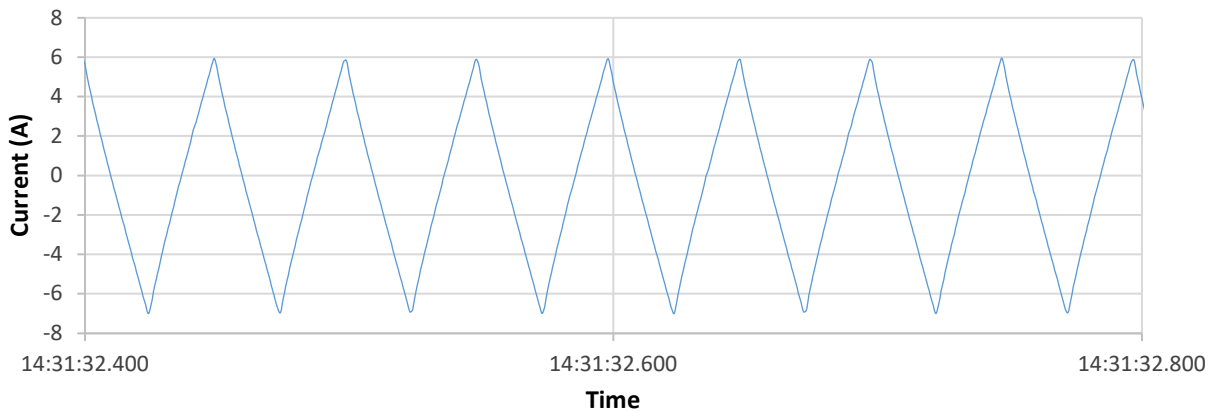
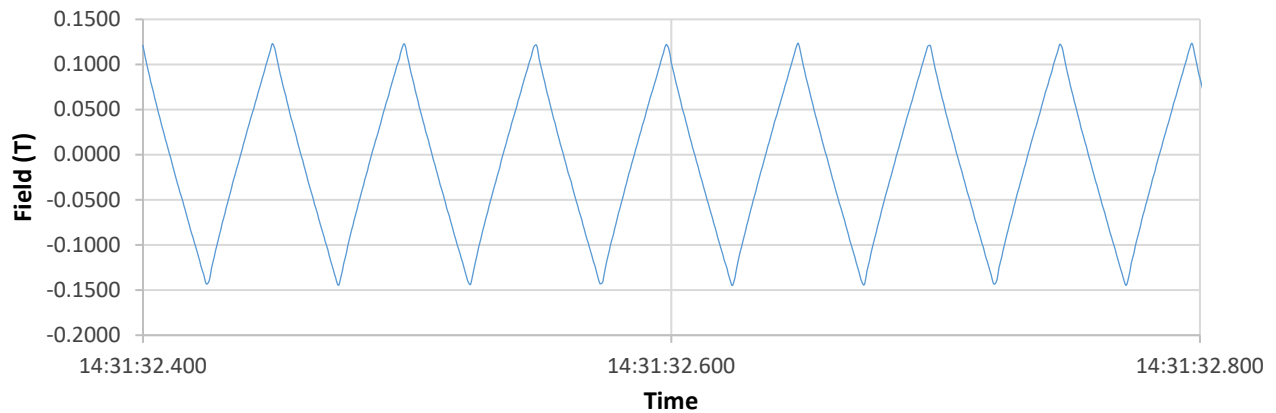
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Note 3:	Sine waveform.50A, 10Hz		



Electromagnet Waveform Plot

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Electromagnet Waveform Plot

Customer:

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Engr: Y.Qin

Model: 5403AC

Power Supply: BPS-85-70, 85V/70A

Serial No: 4

PS Serial No: 31

Pole gap: 40 mm

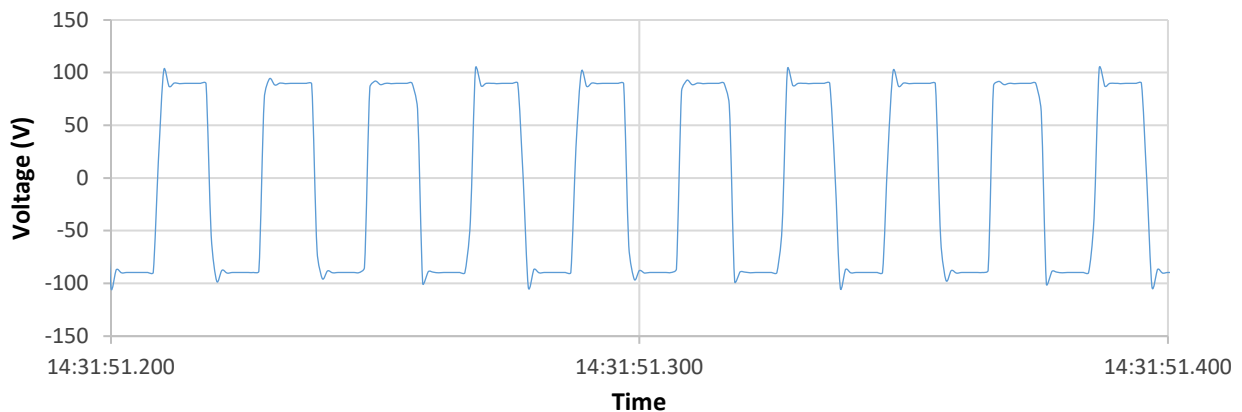
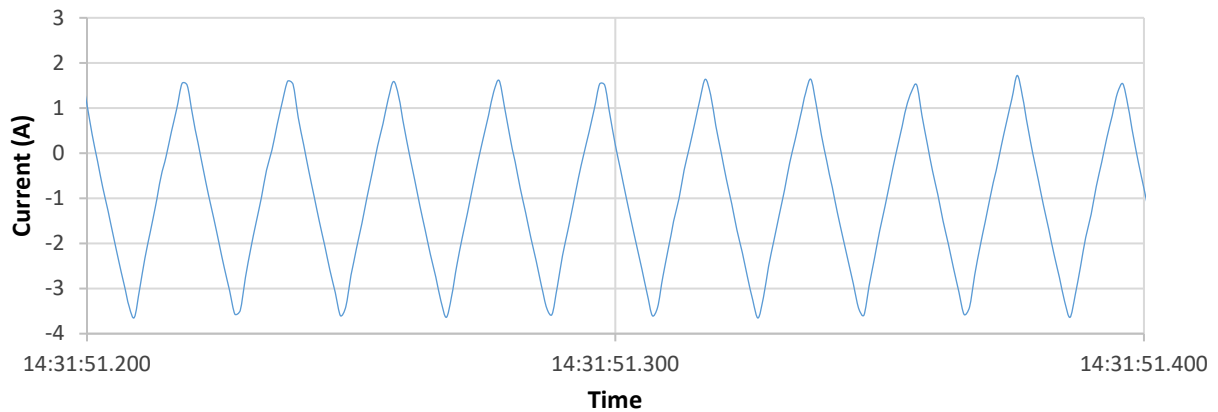
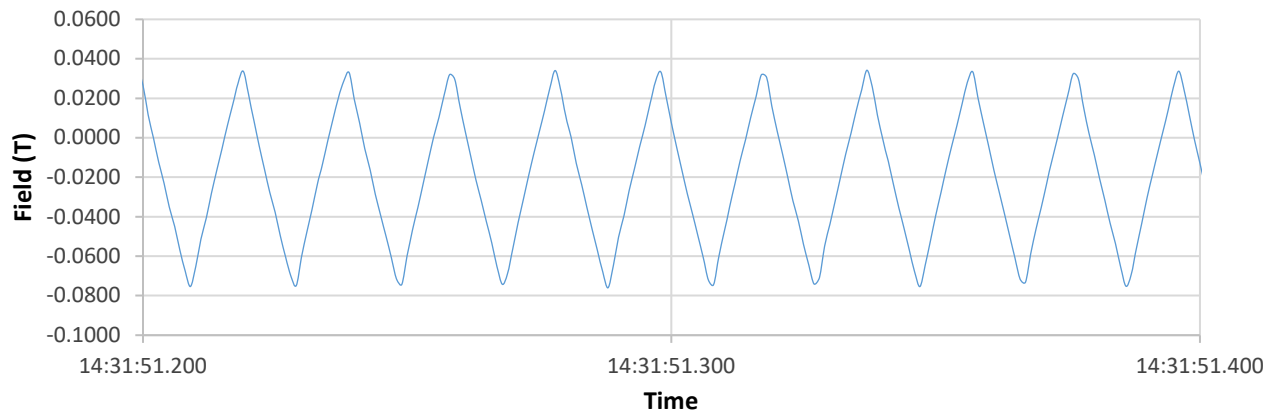
Pole Face: 60 mm, round

Field Probe: Senis probe 2T SN:077-12, model 0YA02F-J02T0K5J, 5V/T

Note 1: Probe location at gap center

Note 2: Voltage / Current readback: analog port on BPS

Note 3: Sine waveform.50A, 50Hz

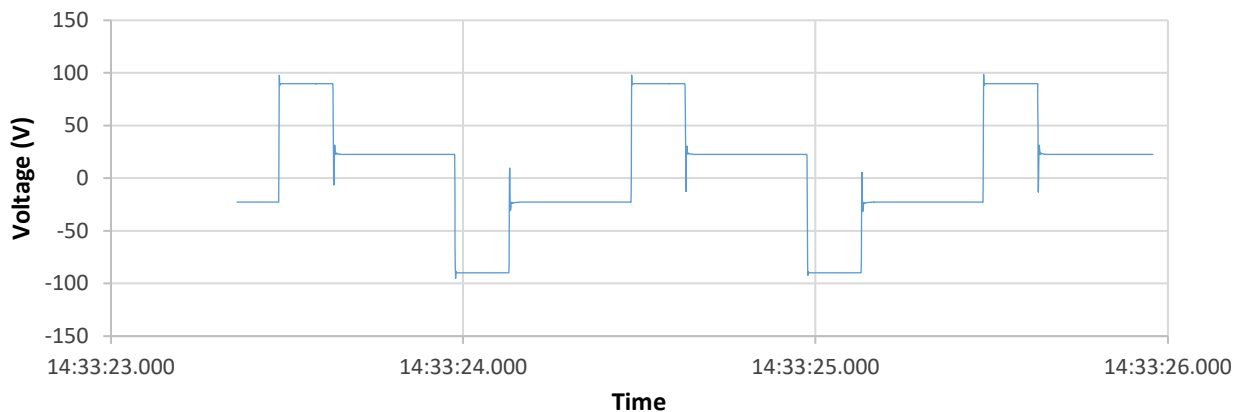
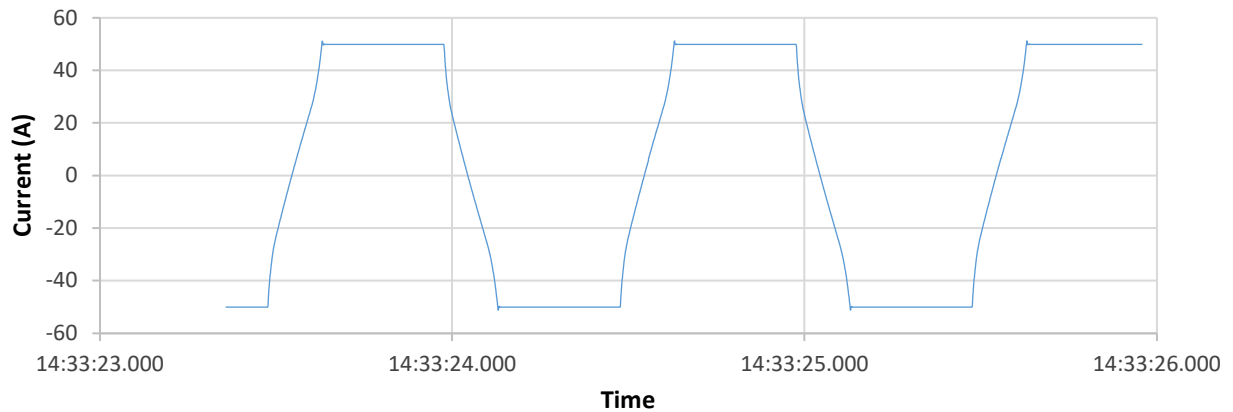
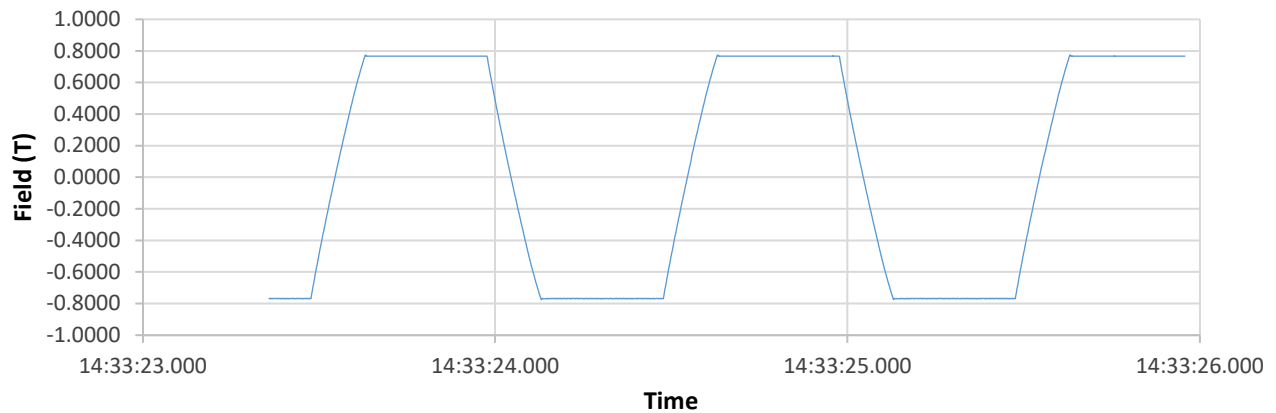


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Electromagnet Waveform Plot

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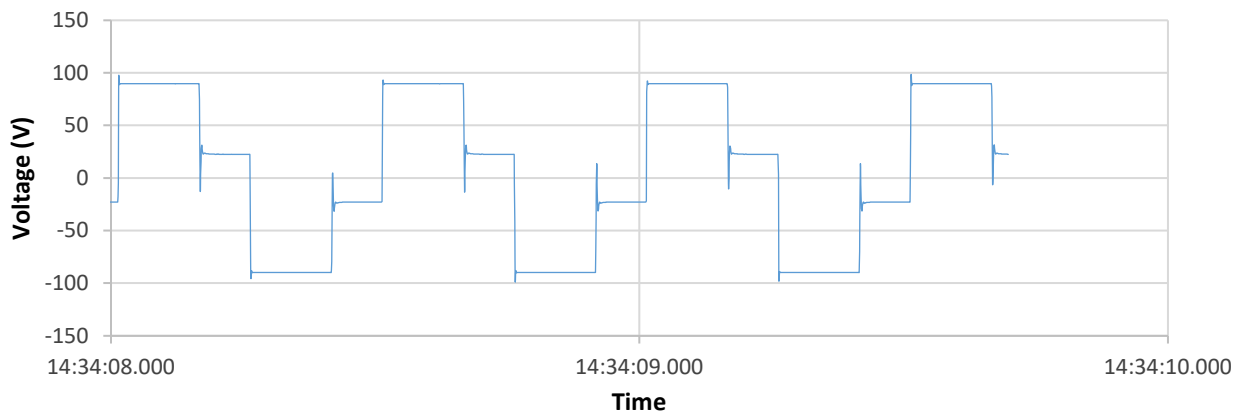
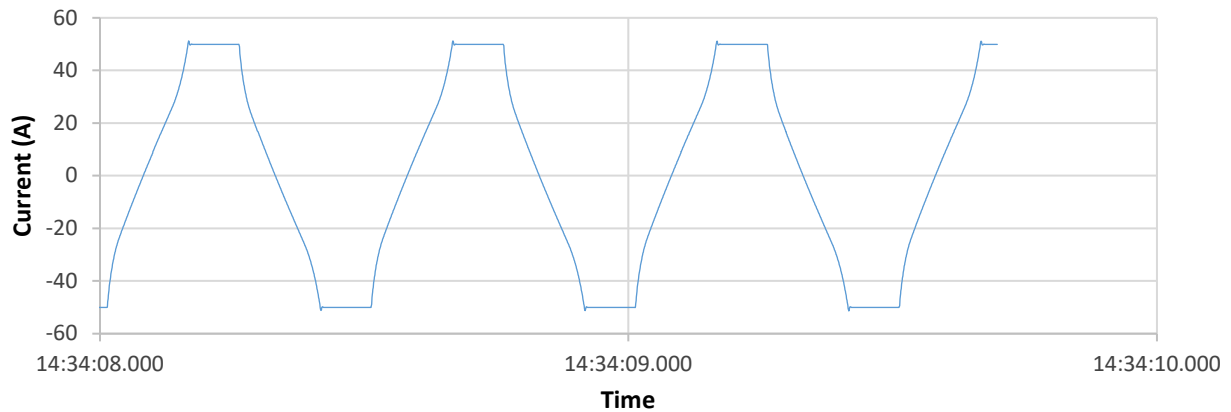
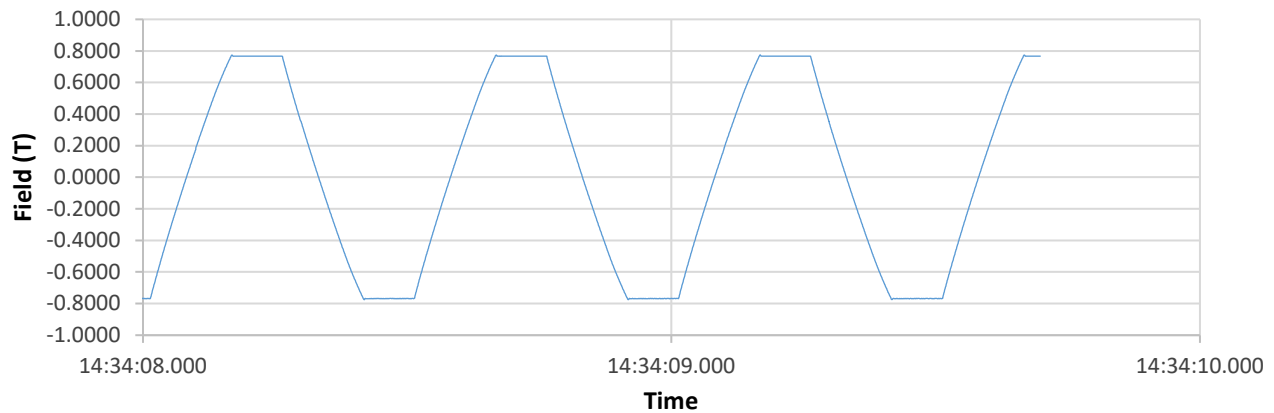
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Note 3:	Square waveform.50A, 2Hz		



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Electromagnet Waveform Plot

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Test Date: 12/7/2021

Customer:

Engr: Y.Qin

Model: 5403AC

Power Supply: BPS-85-70, 85V/70A

Serial No: 4

PS Serial No: 31

Pole gap: 16.3 mm. Used only one spacer at one end of the pole

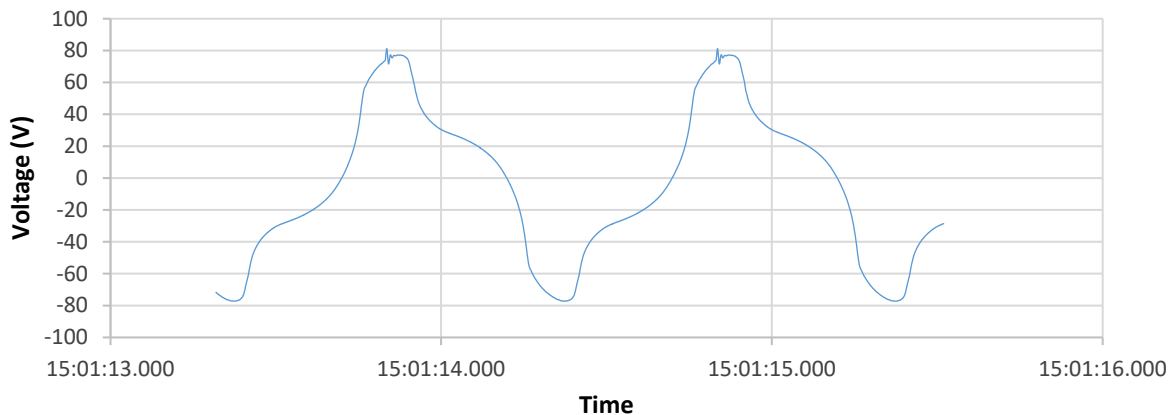
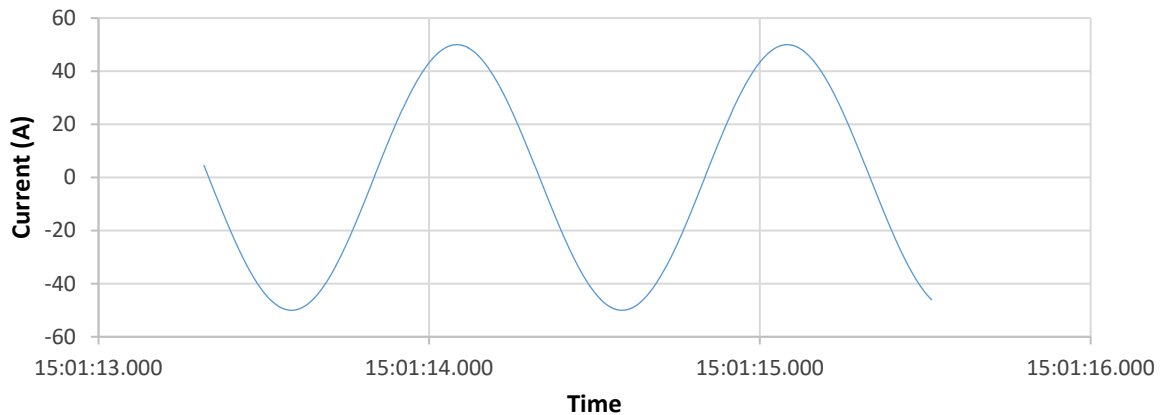
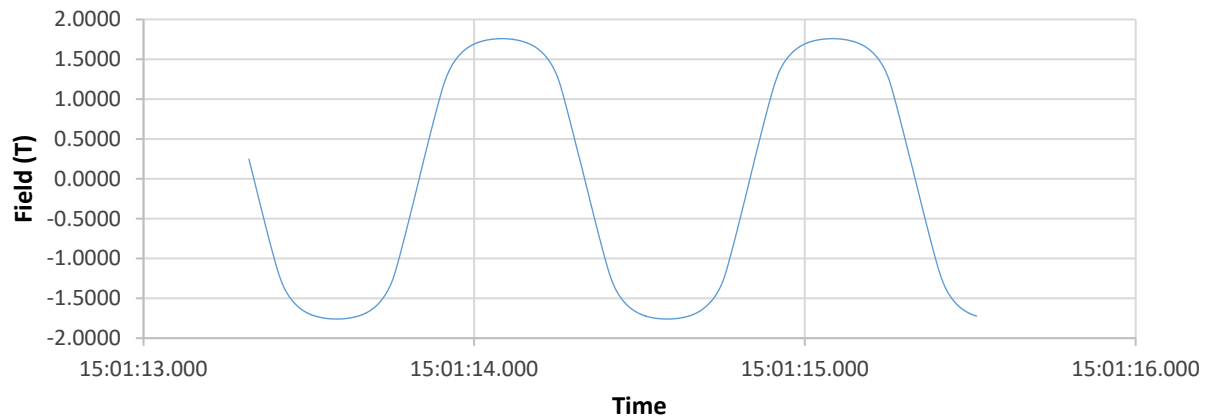
Pole Face: 30 mm, round

Field Probe: Senis probe 5T SN:024-07, model YM12-3-5-5T, 2V/T

Note 1: Probe location at gap center

Note 2: Voltage / Current readback: analog port on BPS

Note 3: Sine waveform.50A, 1Hz



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Electromagnet Waveform Plot

Contract No:

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Test Date: 11/19/2021

Customer:

Engr: Y.Qin

Model: 5403AC

Power Supply: BPS-85-70, 85V/70A

Serial No: 4

PS Serial No: 31

Pole gap: 16.3 mm. Used only one spacer at one end of the pole

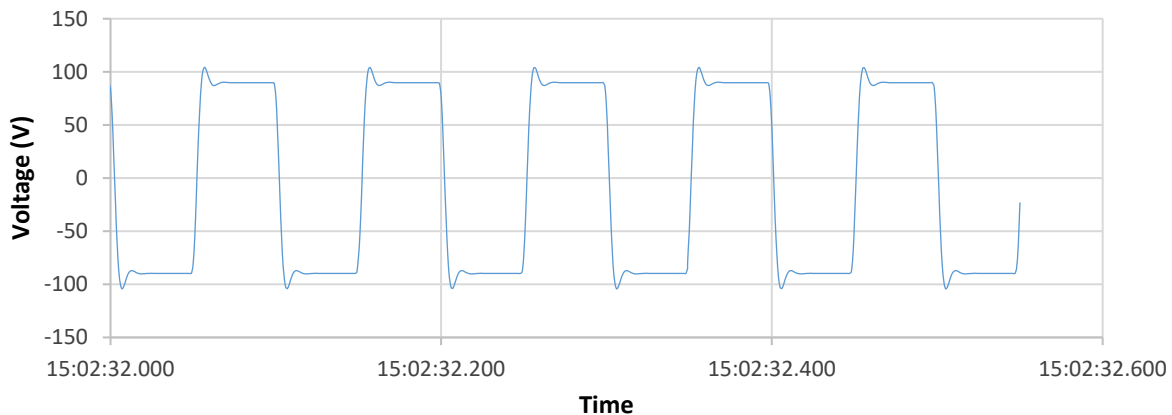
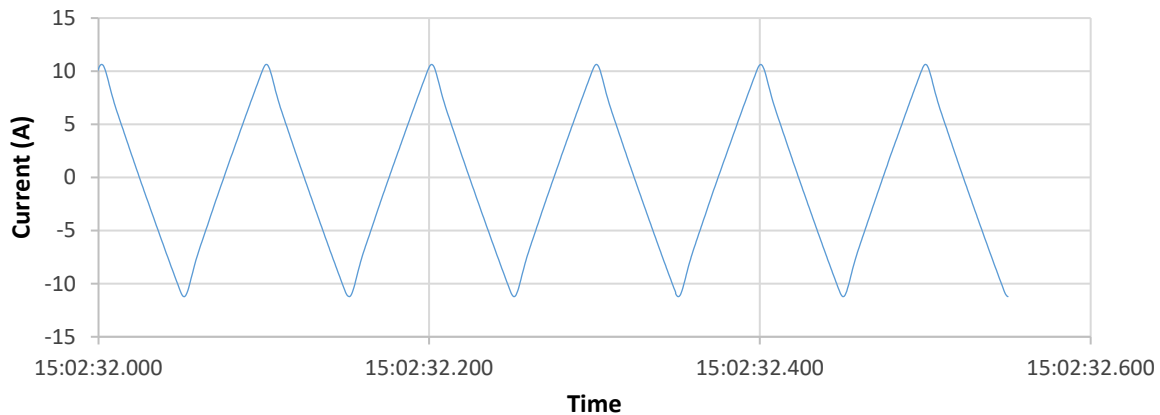
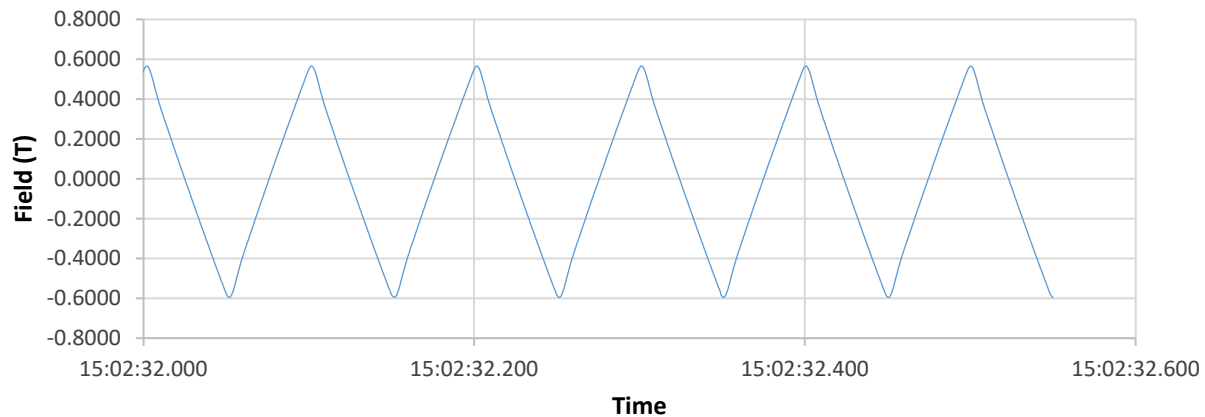
Pole Face: 30 mm, round

Field Probe: Senis probe 5T SN:024-07, model YM12-3-5-5T, 2V/T

Note 1: Probe location at gap center

Note 2: Voltage / Current readback: analog port on BPS

Note 3: Sine waveform.50A, 10Hz



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Electromagnet Waveform Plot

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Test Date: 11/19/2021

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Model: 5403AC

Power Supply: BPS-85-70, 85V/70A

Serial No: 4

PS Serial No: 31

Pole gap: 16.3 mm. Used only one spacer at one end of the pole

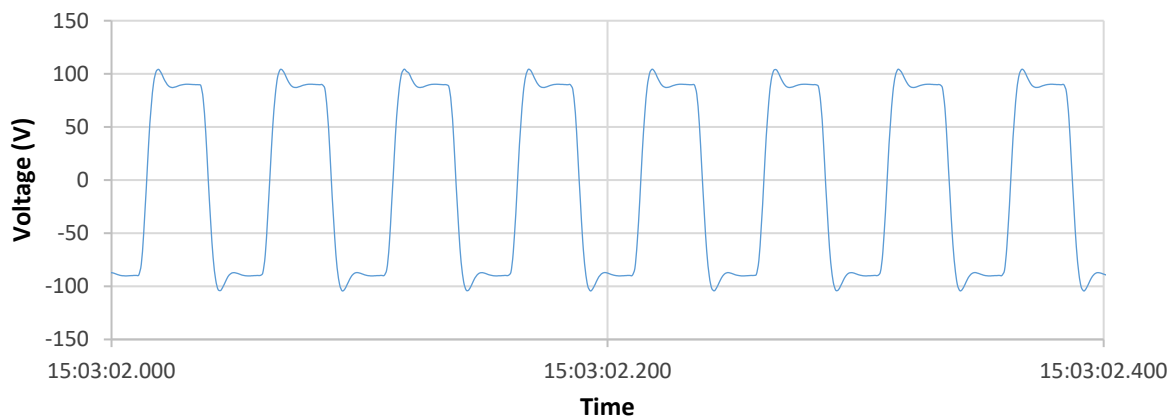
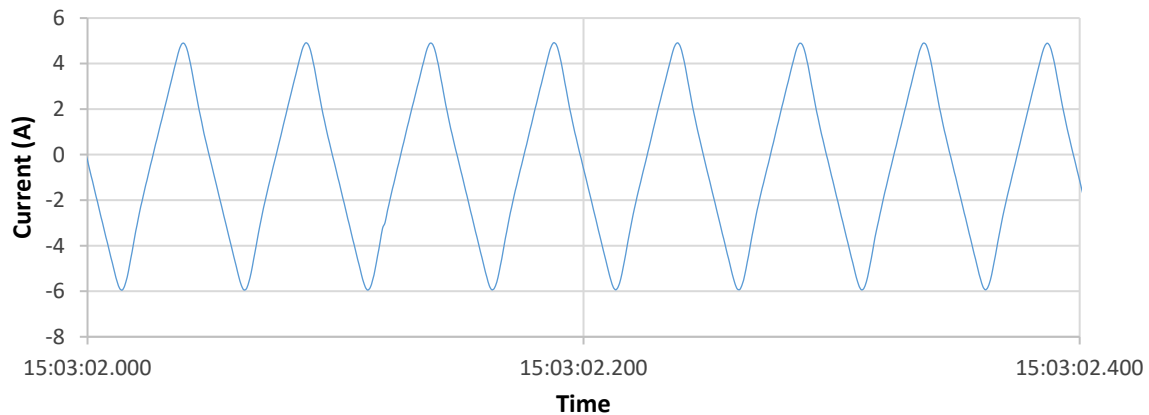
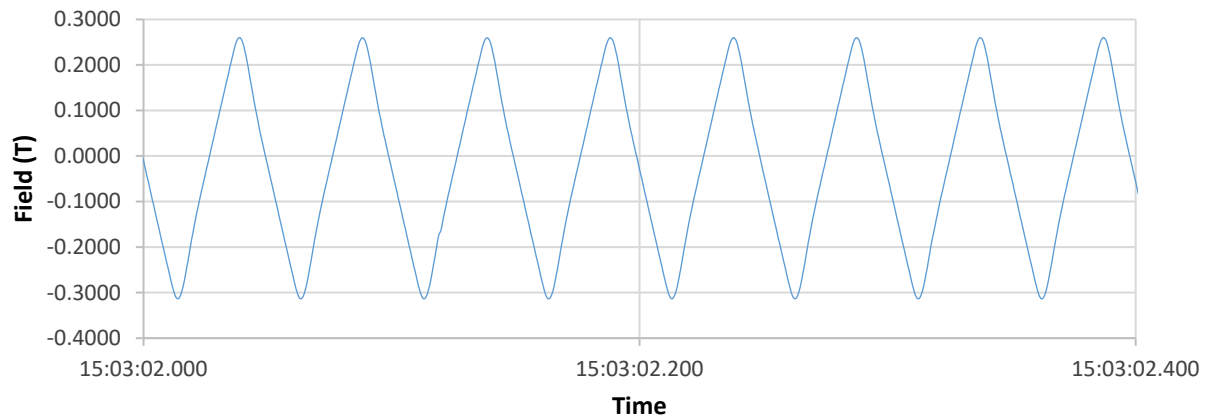
Pole Face: 30 mm, round

Field Probe: Senis probe 5T SN:024-07, model YM12-3-5-5T, 2V/T

Note 1: Probe location at gap center

Note 2: Voltage / Current readback: analog port on BPS

Note 3: Sine waveform.50A, 20Hz



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Model: 5403AC

Power Supply: BPS-85-70, 85V/70A

Serial No: 4

PS Serial No: 31

Pole gap: 16.3 mm. Used only one spacer at one end of the pole

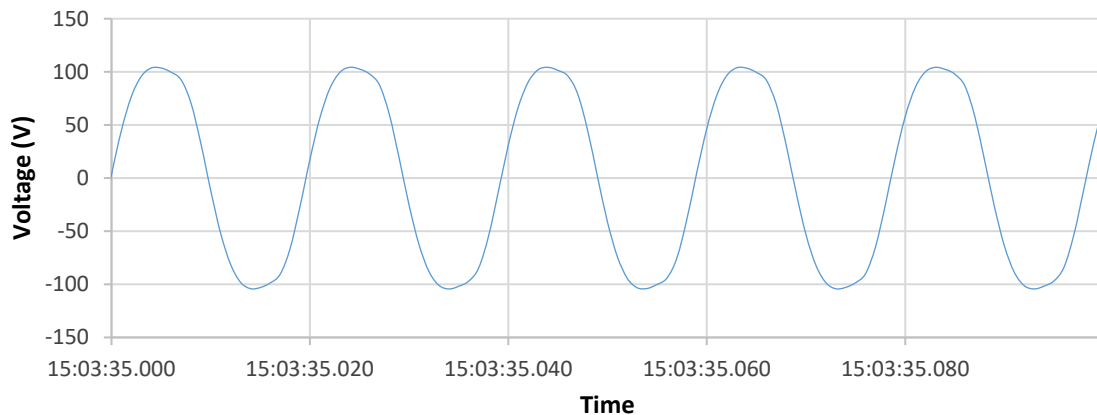
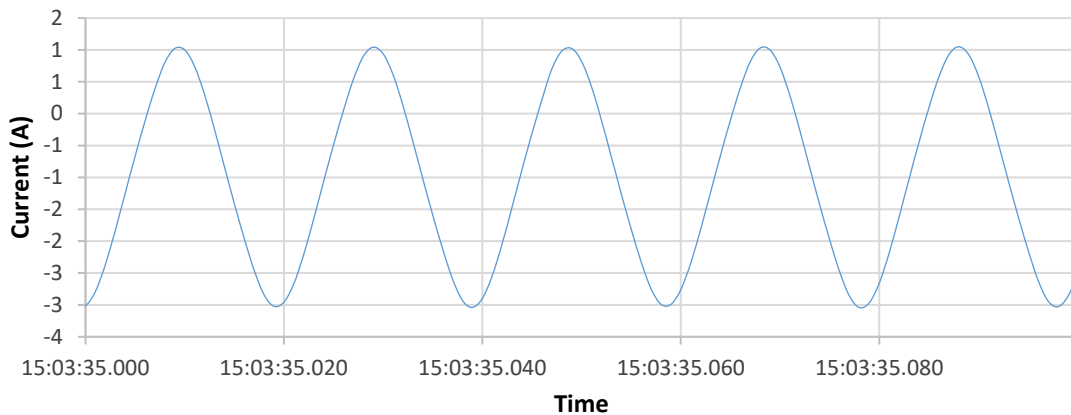
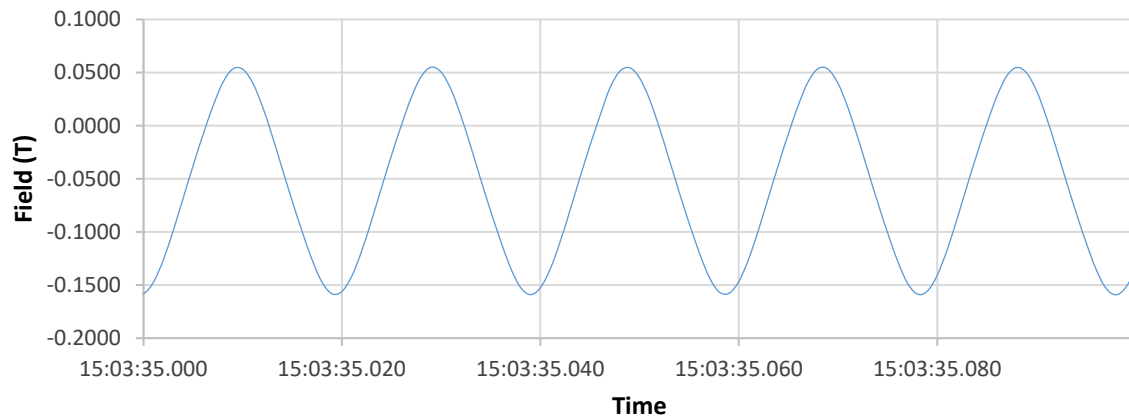
Pole Face: 30 mm, round

Field Probe: Senis probe 5T SN:024-07, model YM12-3-5-5T, 2V/T

Note 1: Probe location at gap center

Note 2: Voltage / Current readback: analog port on BPS

Note 3: Sine waveform.50A, 50Hz



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Electromagnet Waveform Plot

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Test Date: 11/19/2021

Customer:

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Model: 5403AC

Power Supply: BPS-85-70, 85V/70A

Serial No: 4

PS Serial No: 31

Pole gap: 16.3 mm. Used only one spacer at one end of the pole

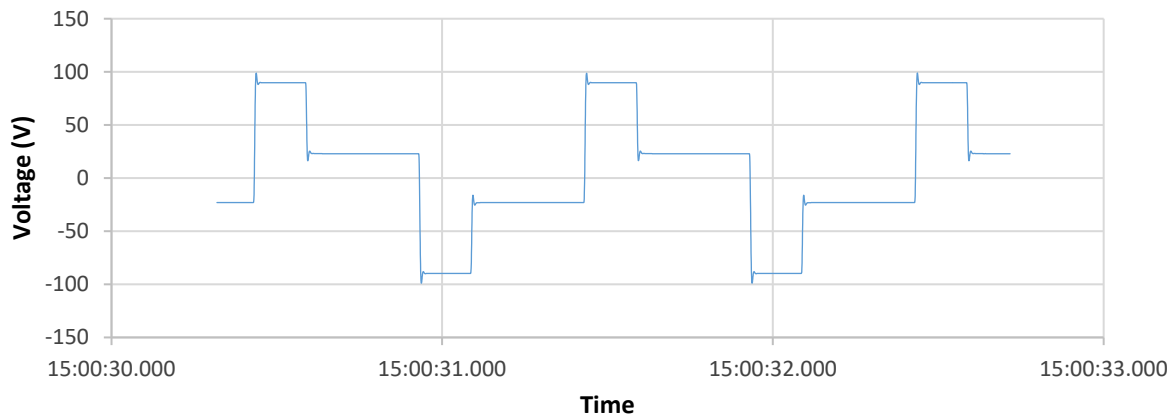
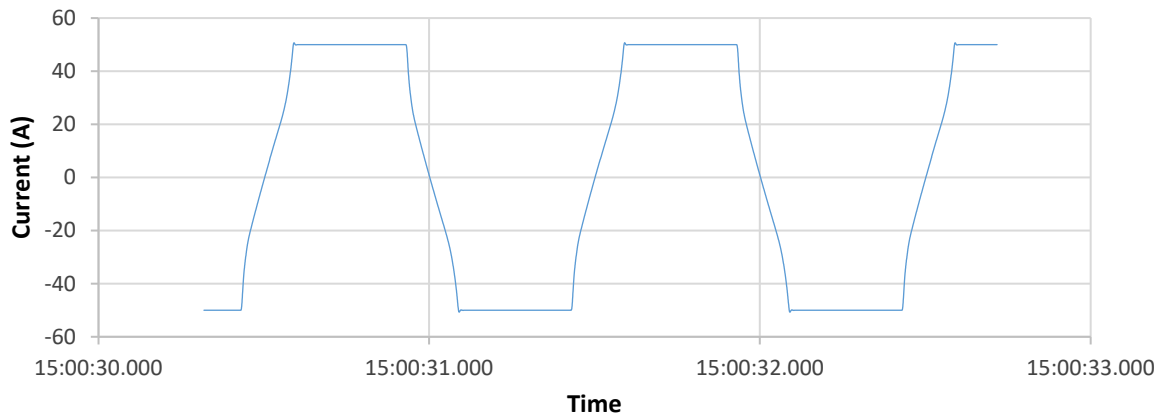
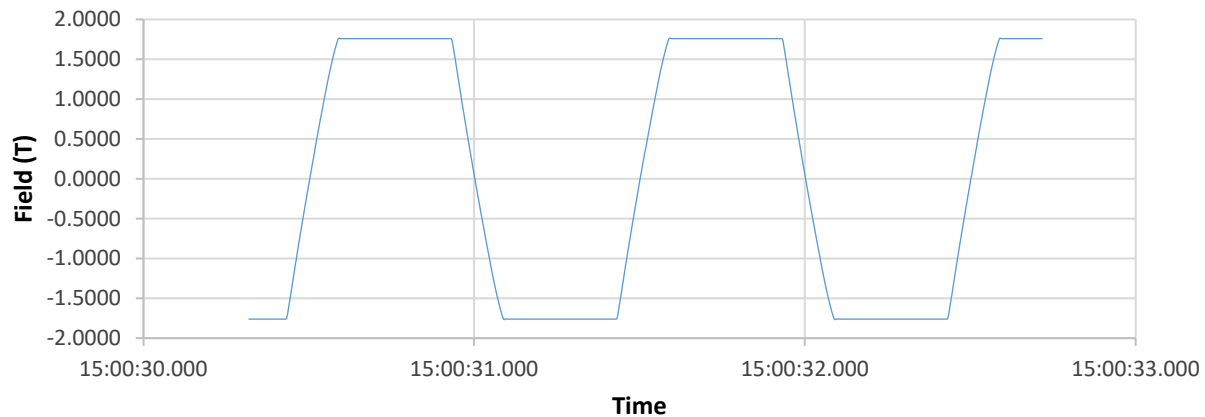
Pole Face: 30 mm, round

Field Probe: Senis probe 5T SN:024-07, model YM12-3-5-5T, 2V/T

Note 1: Probe location at gap center

Note 2: Voltage / Current readback: analog port on BPS

Note 3: Square waveform.50A, 1Hz



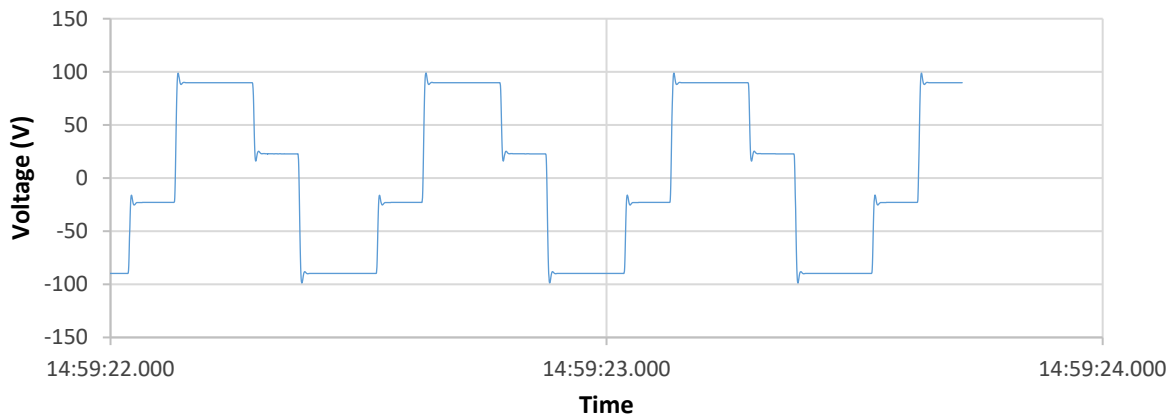
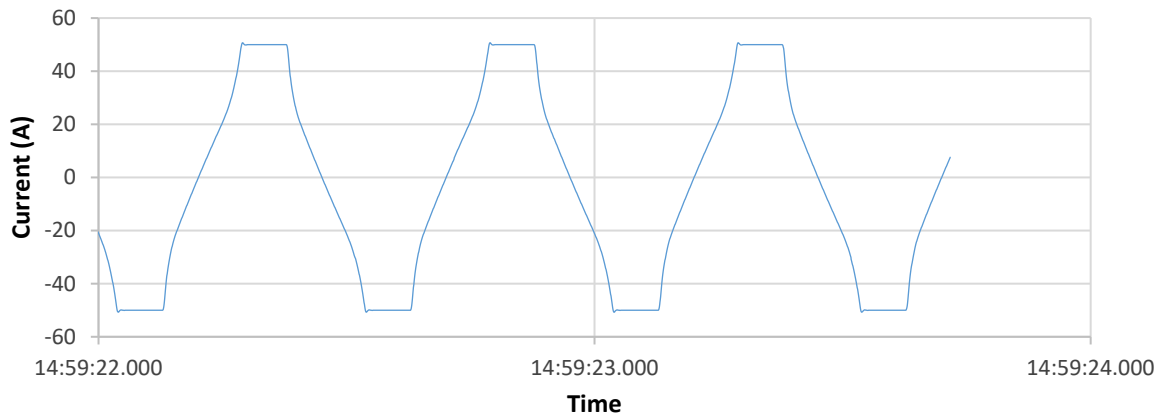
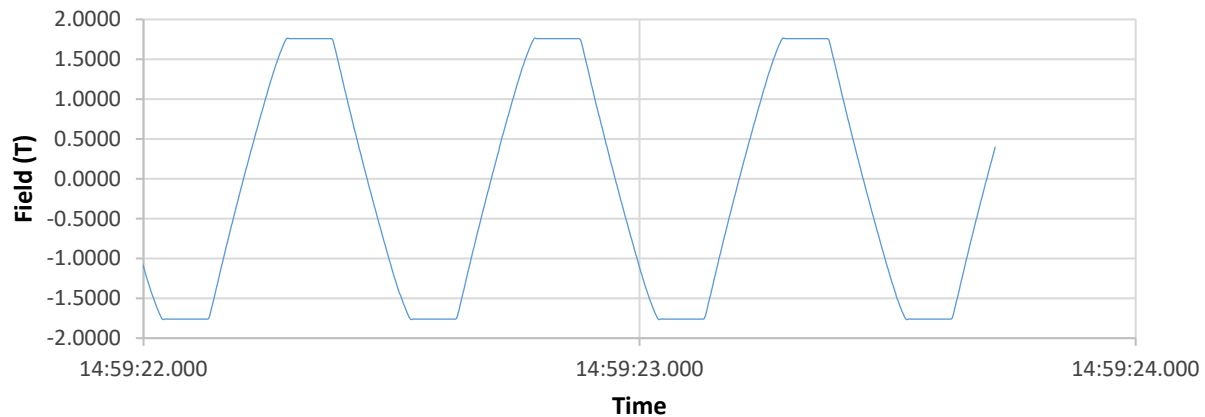
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Pole Face: 30 mm, round
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Note 1: Probe location at gap center
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Note 3: Square waveform.50A, 2Hz



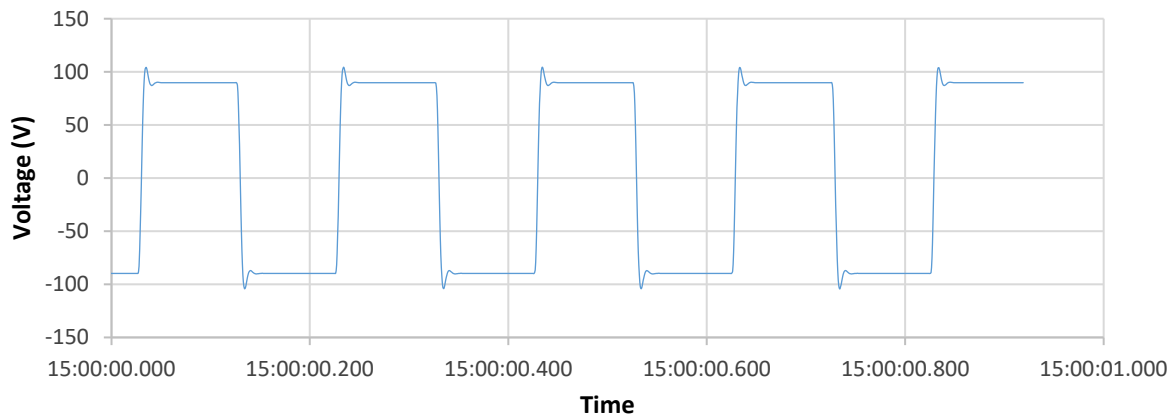
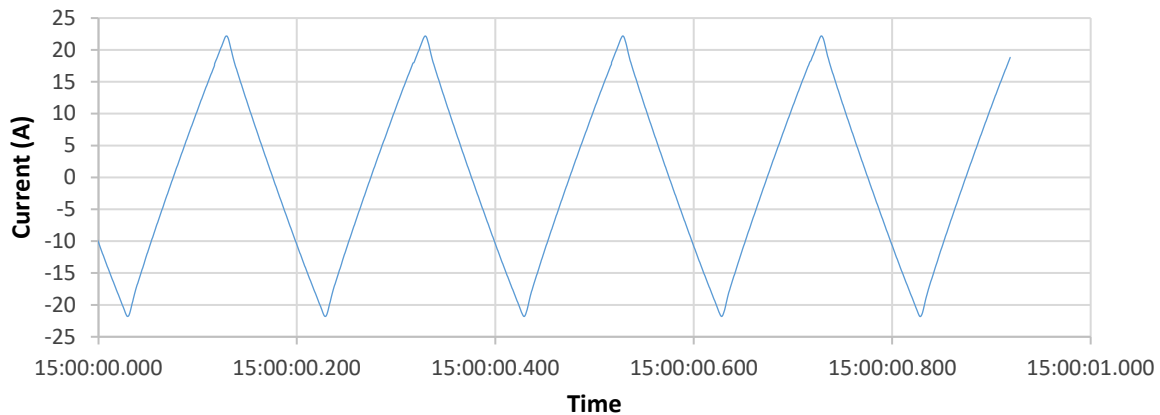
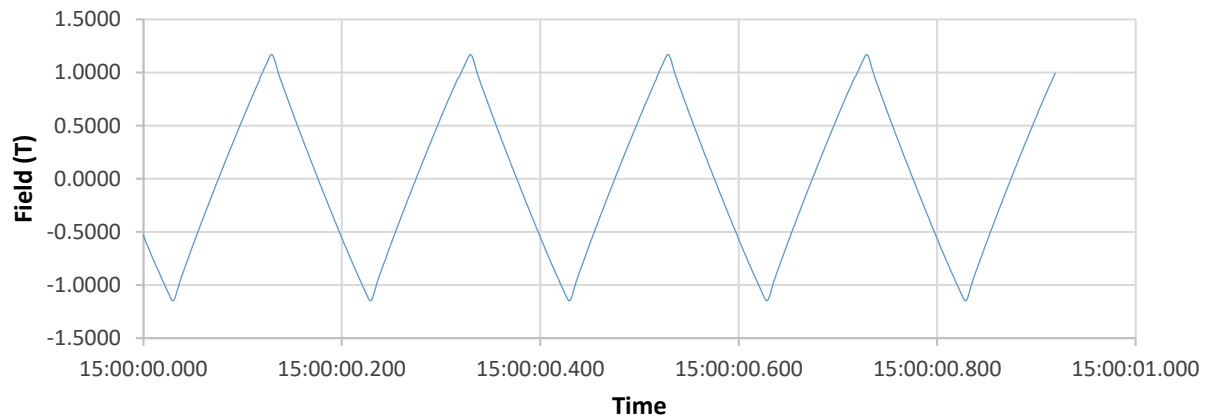
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Electromagnet Waveform Plot

Contract No:

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Test Date: 12/7/2021

Customer:

Engr: Y.Qin

Model: 5403AC

Power Supply: BPS-85-70, 85V/70A

Serial No: 4

PS Serial No: 31

Pole gap: 10 mm

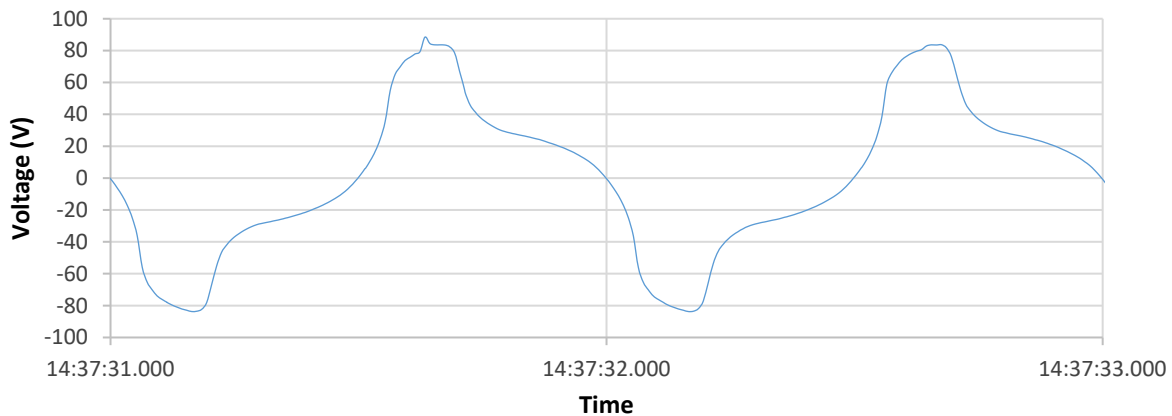
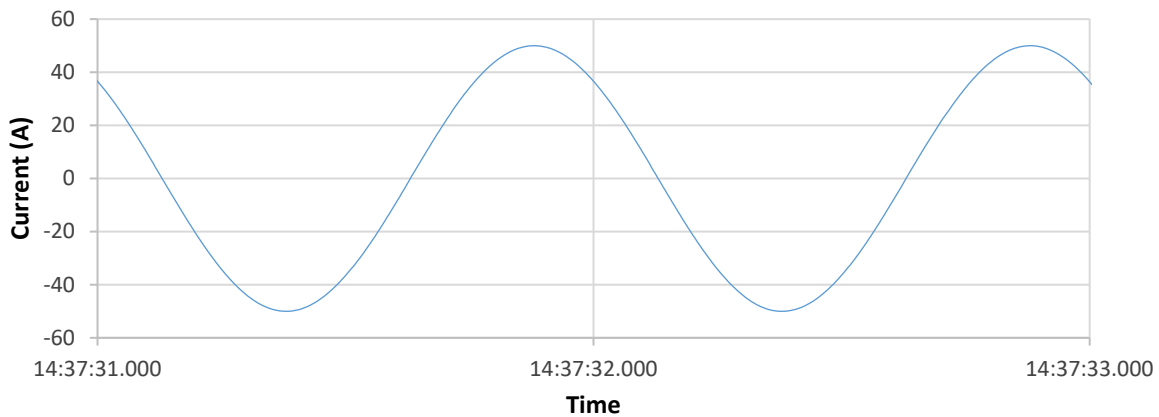
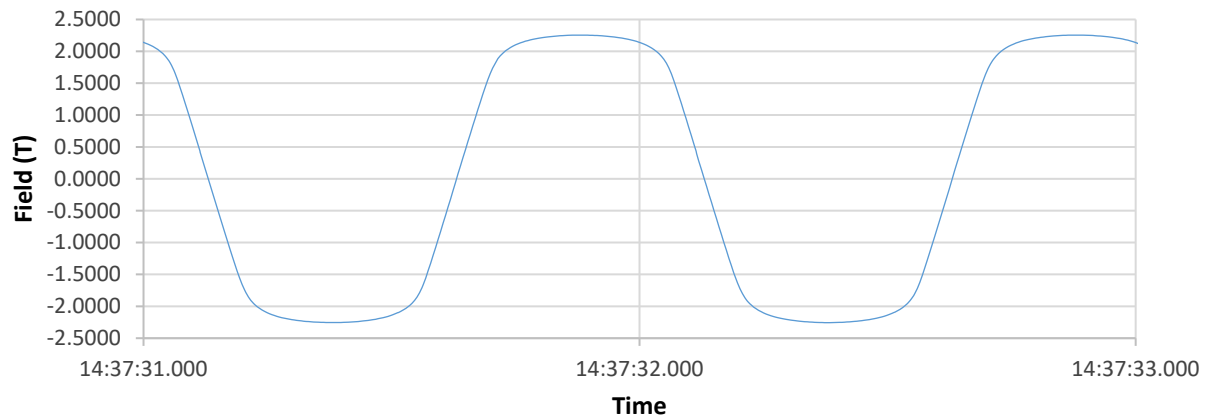
Pole Face: 10 mm, round

Field Probe: Senis probe 5T SN:024-07, model YM12-3-5-5T, 2V/T

Note 1: Probe location at gap center

Note 2: Voltage / Current readback: analog port on BPS

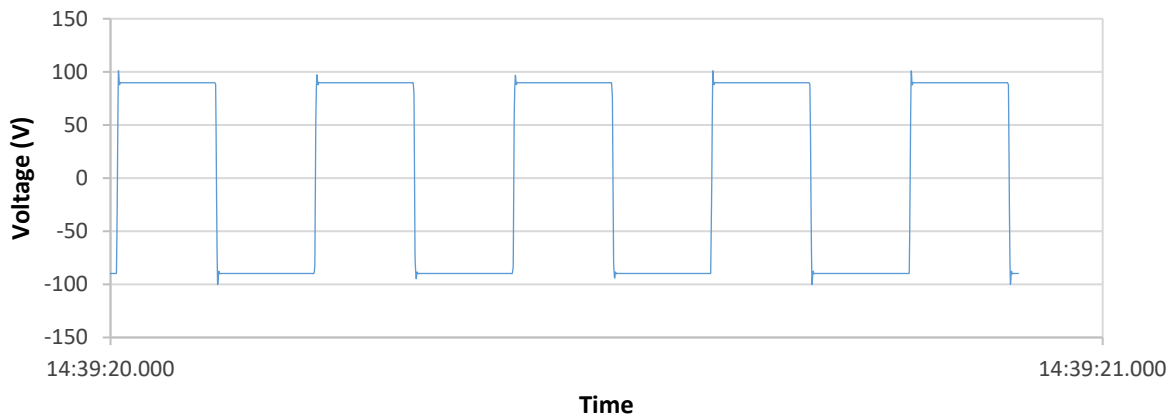
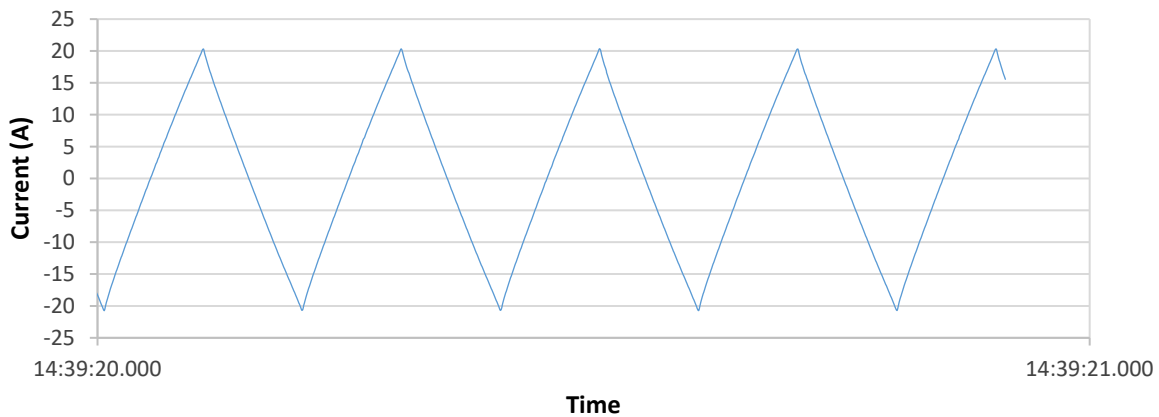
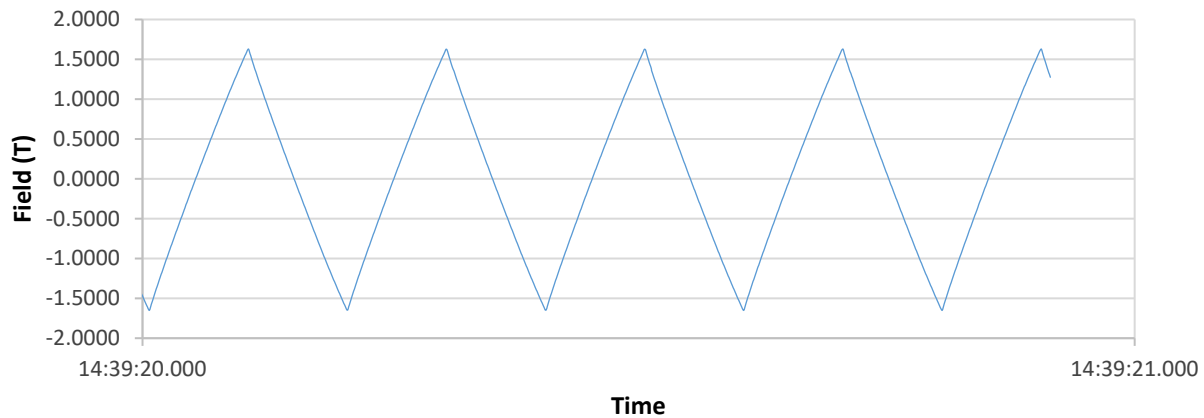
Note 3: Sine waveform.50A, 1Hz



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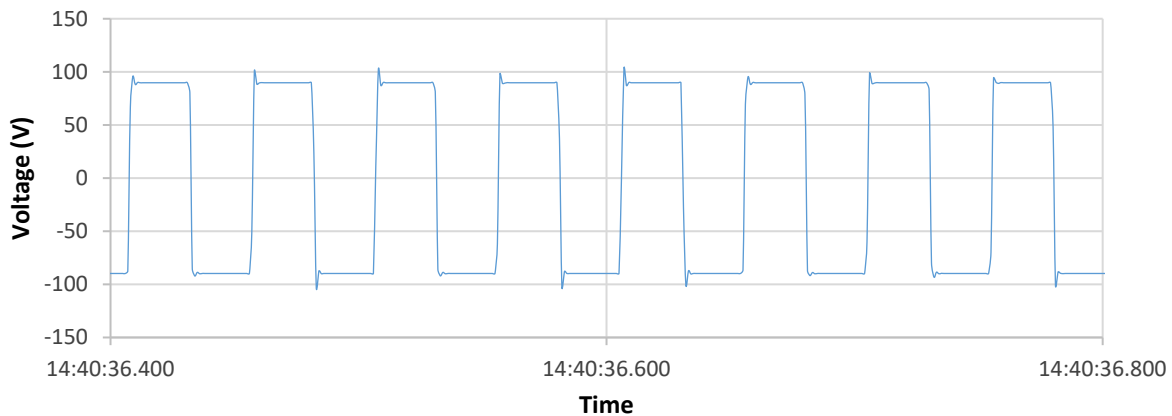
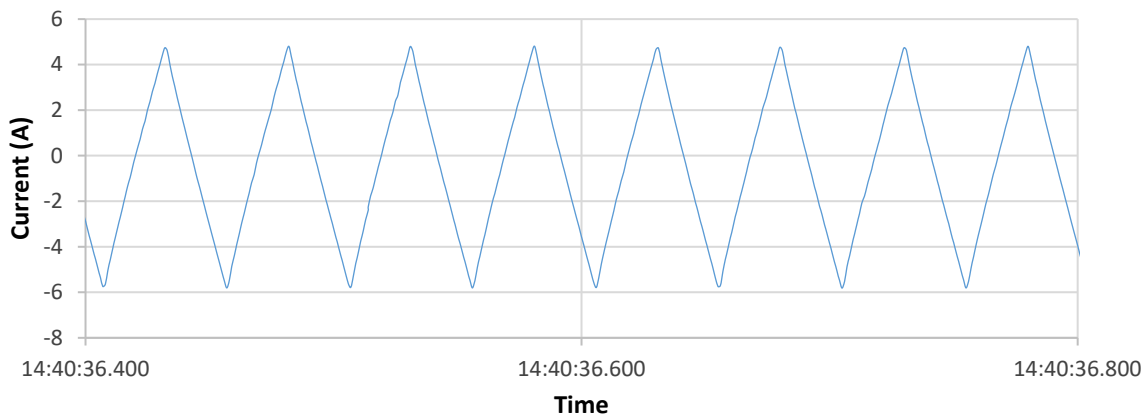
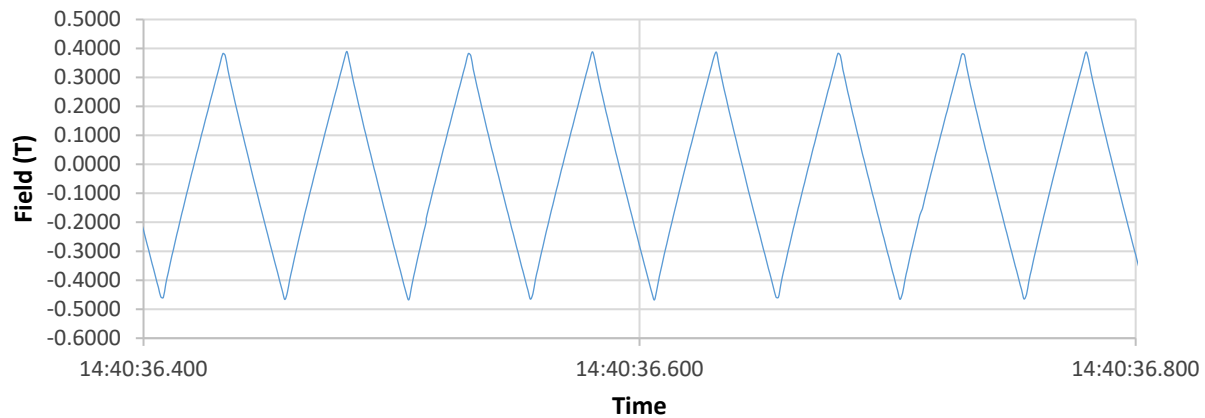
Pole Face: 10 mm, round

Field Probe: Senis probe 5T SN:024-07, model YM12-3-5-5T, 2V/T

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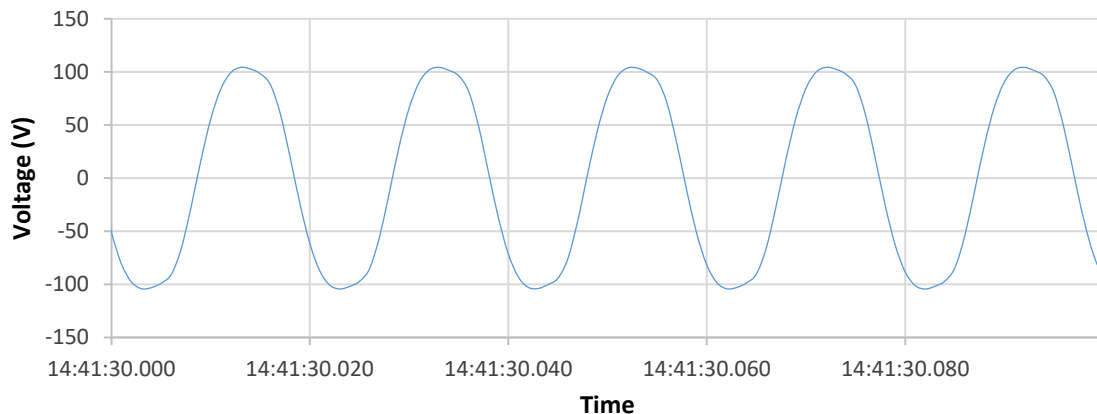
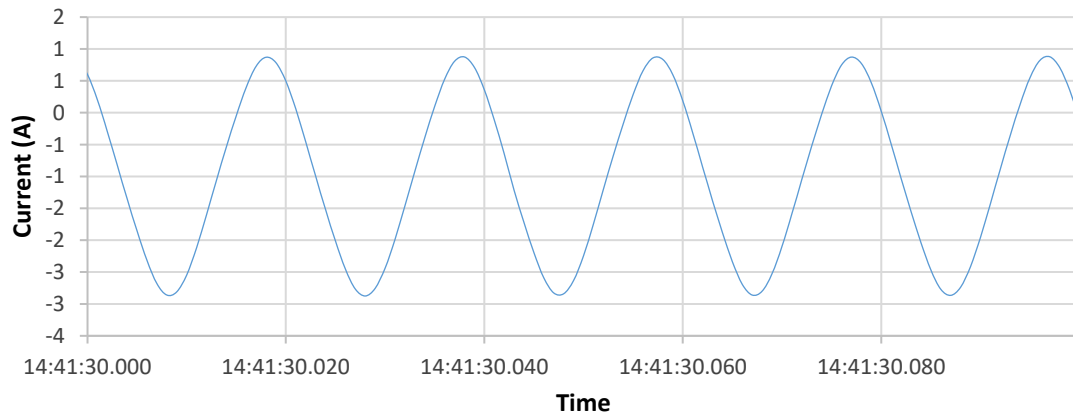
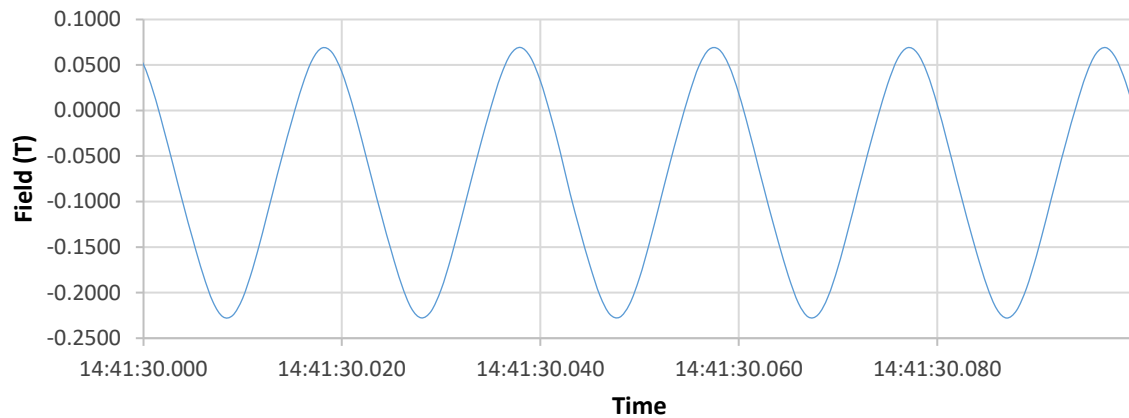
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PS Serial No: 31

Pole gap: 10 mm

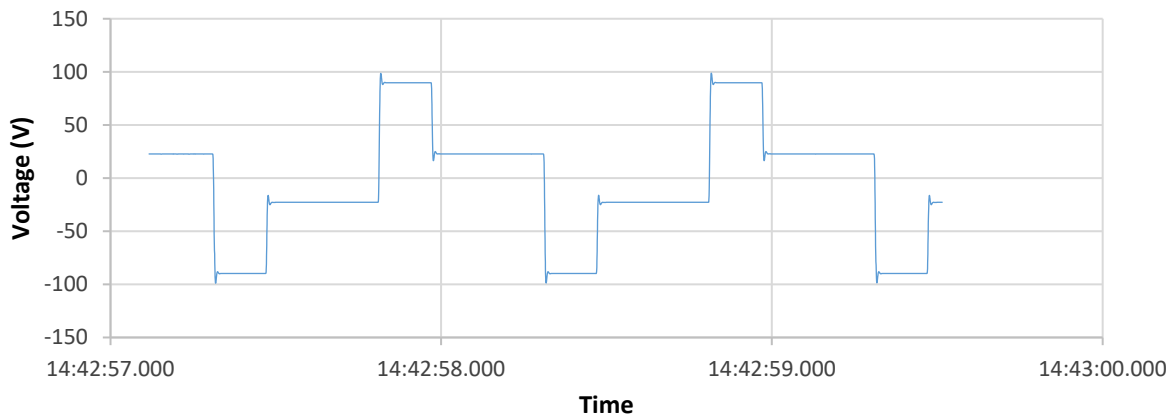
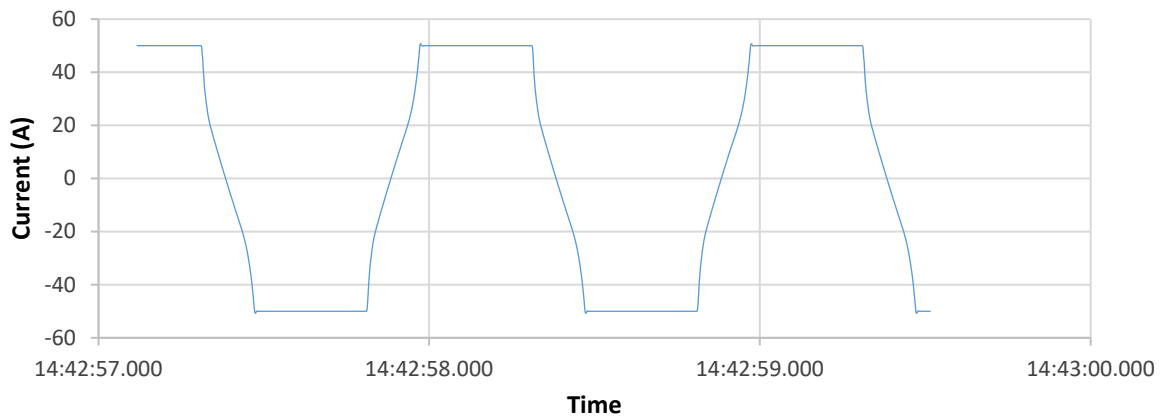
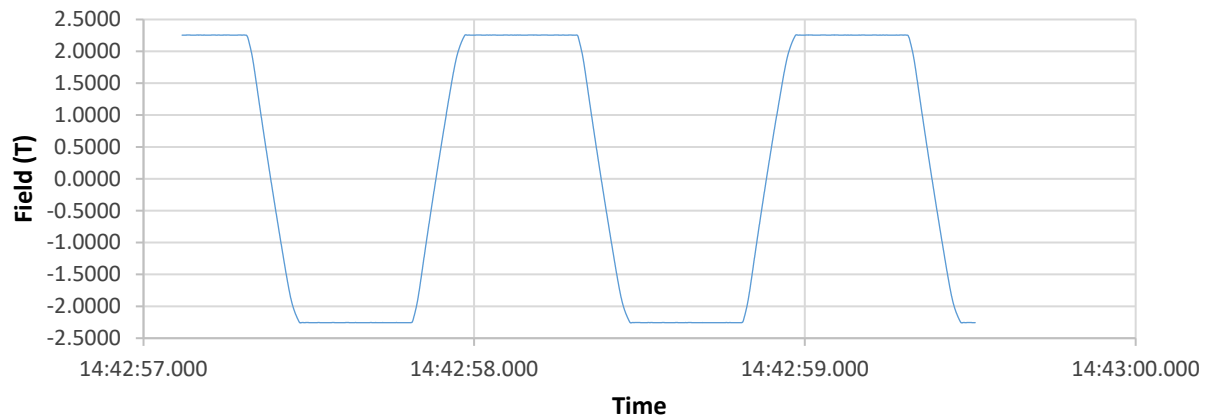
Pole Face: 10 mm, round

Field Probe: Senis probe 5T SN:024-07, model YM12-3-5-5T, 2V/T

Note 1: Probe location at gap center

Note 2: Voltage / Current readback: analog port on BPS

Note 3: Square waveform.50A, 1Hz



GMW Associates

Electromagnet Waveform Plot

Contract No:

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Test Date: 11/19/2021

Customer:

Engr: Y.Qin

Model: 5403AC

Power Supply: BPS-85-70, 85V/70A

Serial No: 4

PS Serial No: 31

Pole gap: 10 mm

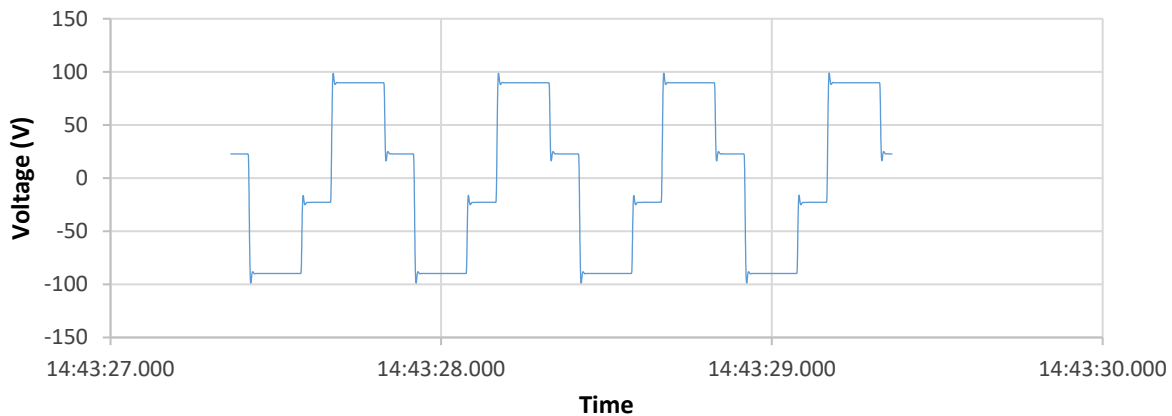
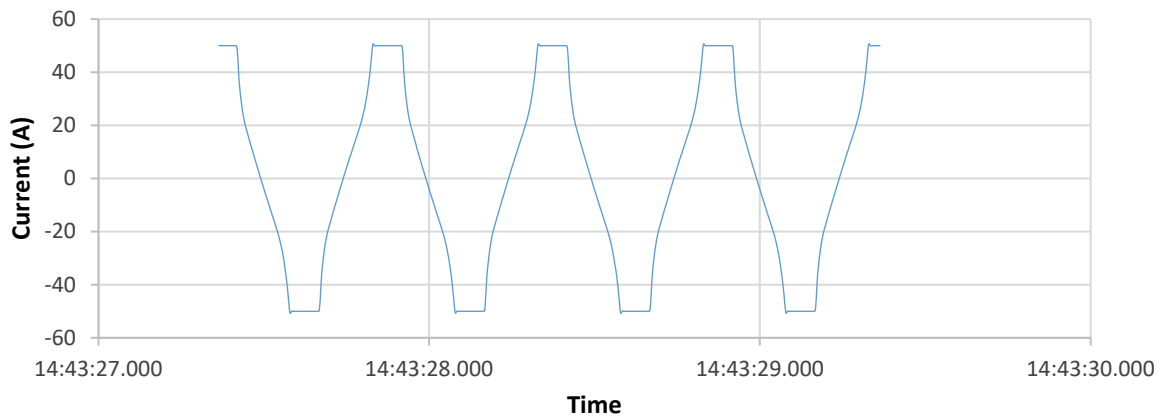
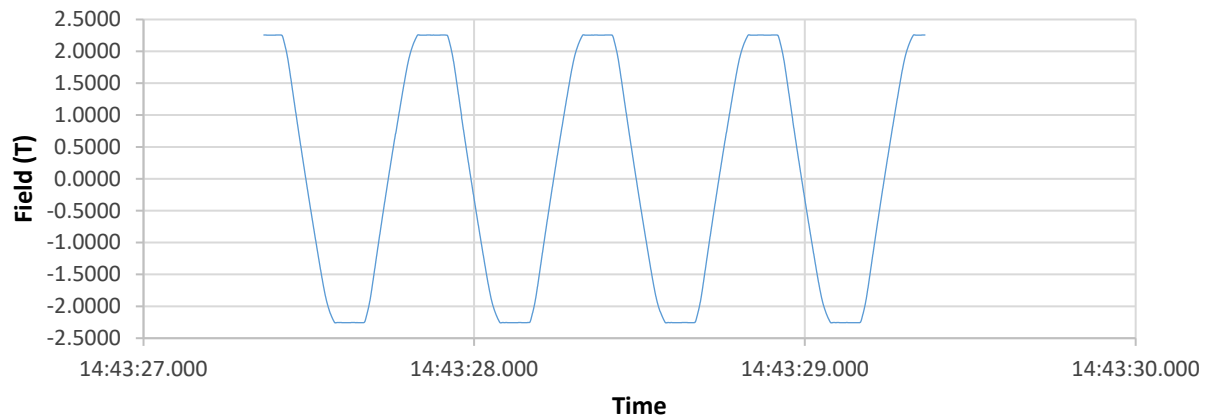
Pole Face: 10 mm, round

Field Probe: Senis probe 5T SN:024-07, model YM12-3-5-5T, 2V/T

Note 1: Probe location at gap center

Note 2: Voltage / Current readback: analog port on BPS

Note 3: Square waveform.50A, 2Hz



GMW Associates

Electromagnet Waveform Plot

Contract No:

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Test Date: 11/19/2021

Customer:

Engr: Y.Qin

Model: 5403AC

Power Supply: BPS-85-70, 85V/70A

Serial No: 4

PS Serial No: 31

Pole gap: 10 mm

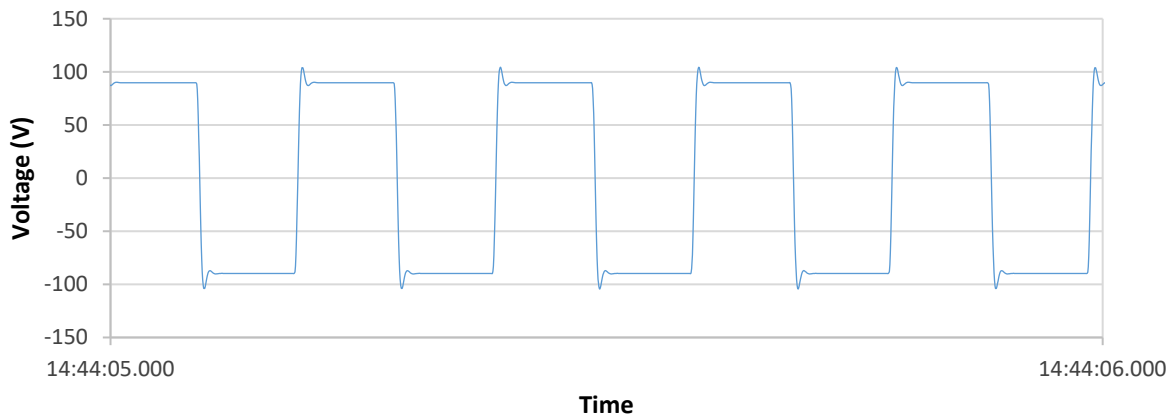
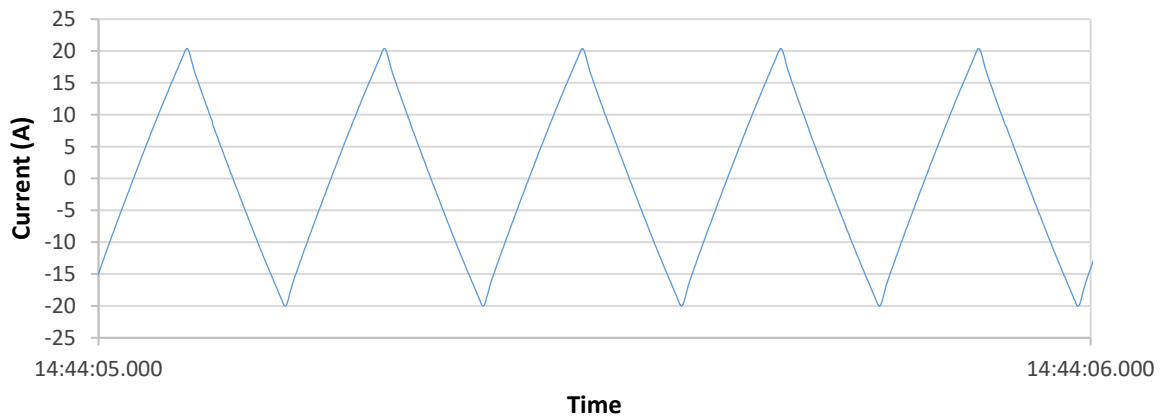
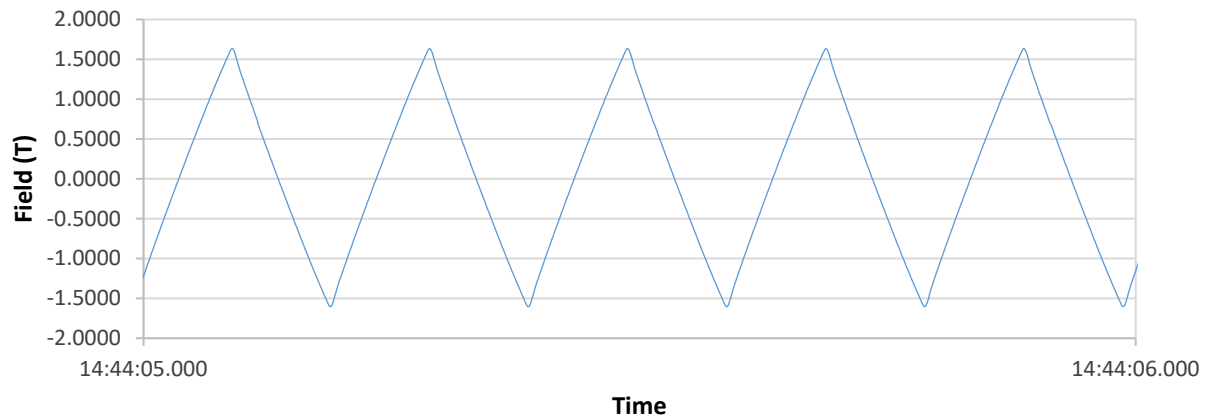
Pole Face: 10 mm, round

Field Probe: Senis probe 5T SN:024-07, model YM12-3-5-5T, 2V/T

Note 1: Probe location at gap center

Note 2: Voltage / Current readback: analog port on BPS

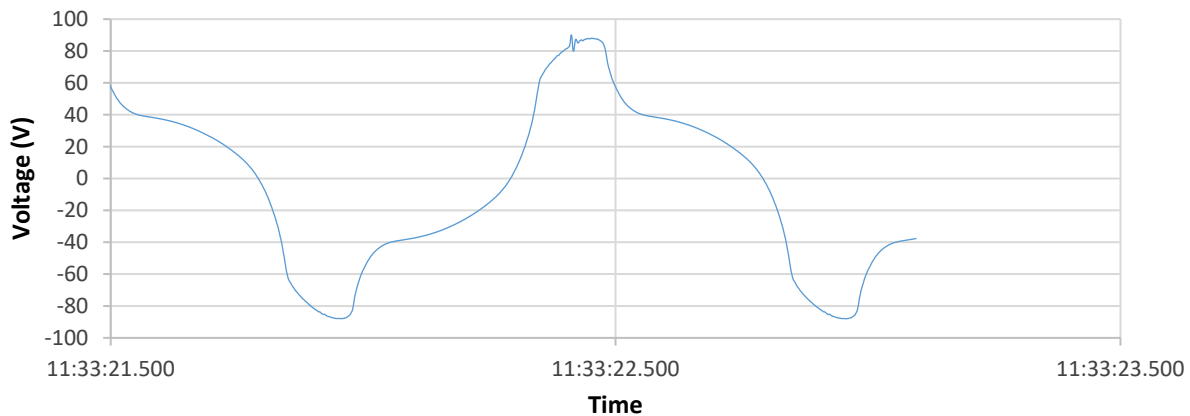
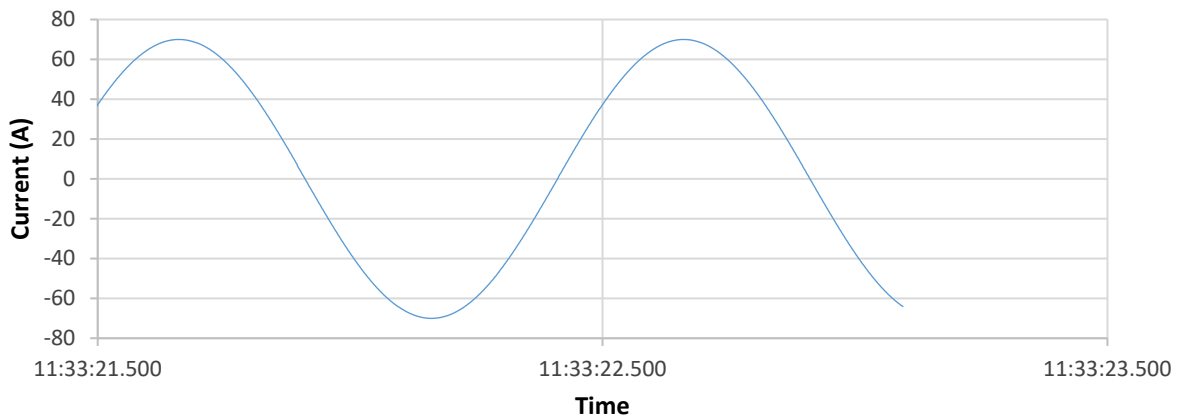
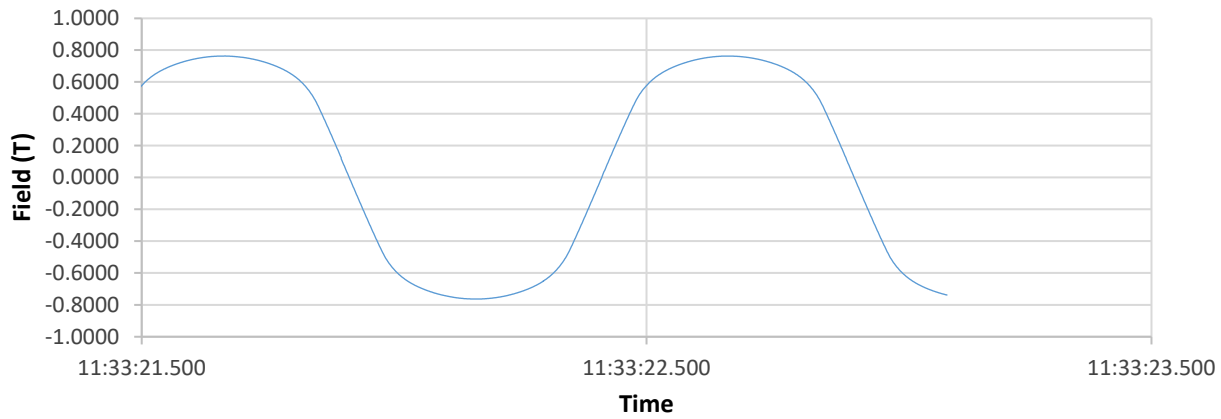
Note 3: Square waveform.50A, 5Hz



Electromagnet Waveform Plot

Contract No:	Page:	1 of 7	Test Date:	12/20/2021
Customer:			Engr:	Y.Qin

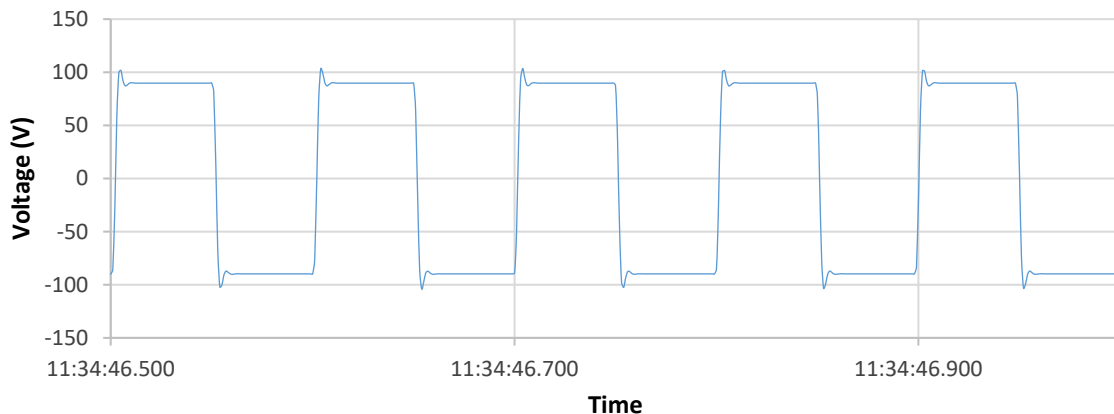
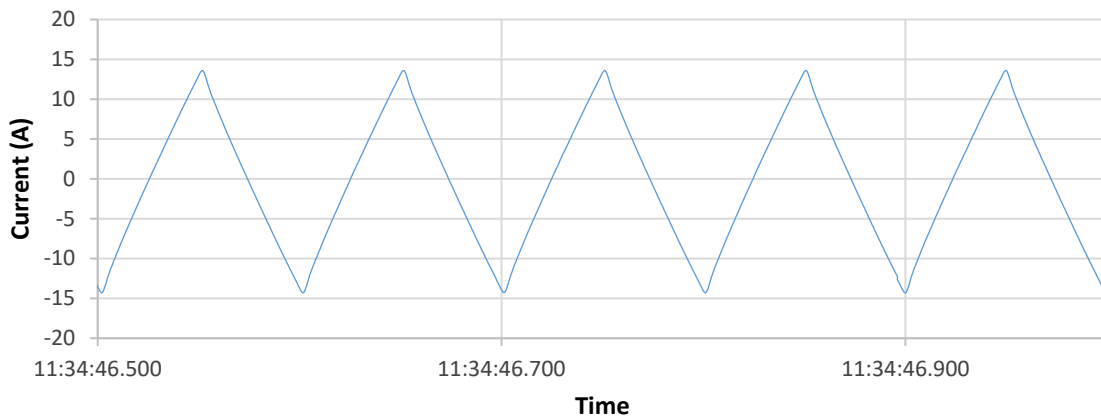
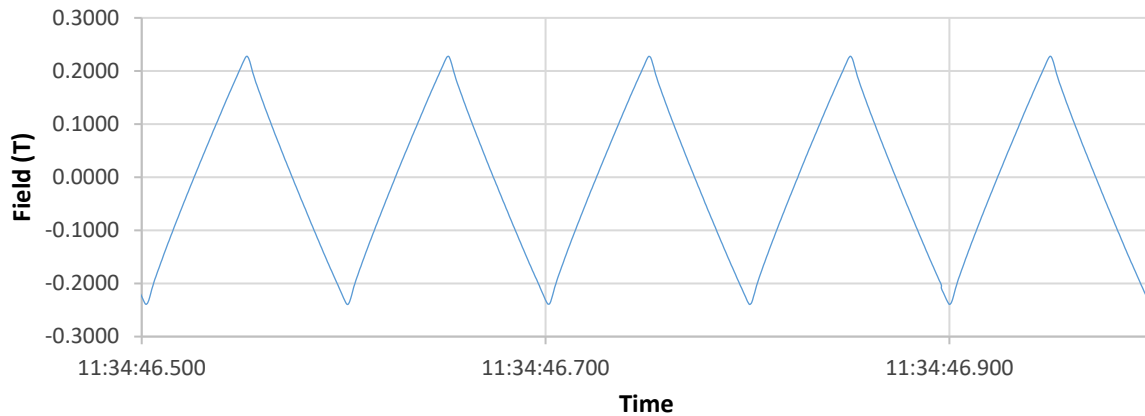
Model:	5403AC	Power Supply:	BPS-85-70, 85V/70A
Serial No:	4	PS Serial No:	31
Pole gap: 50mm. Spacer: 13mm x1, 16mm x1, 20mm x1.			
Pole Face: 60 mm, round			
Field Probe: Senis probe 2T SN:077-12, model 0YA02F-J02T0K5J, 5V/T			
Note 1:	Probe location at gap center		
Note 2:	Voltage / Current readback: analog port on BPS		
Note 3:	Sine waveform.70A, 1Hz		



Electromagnet Waveform Plot

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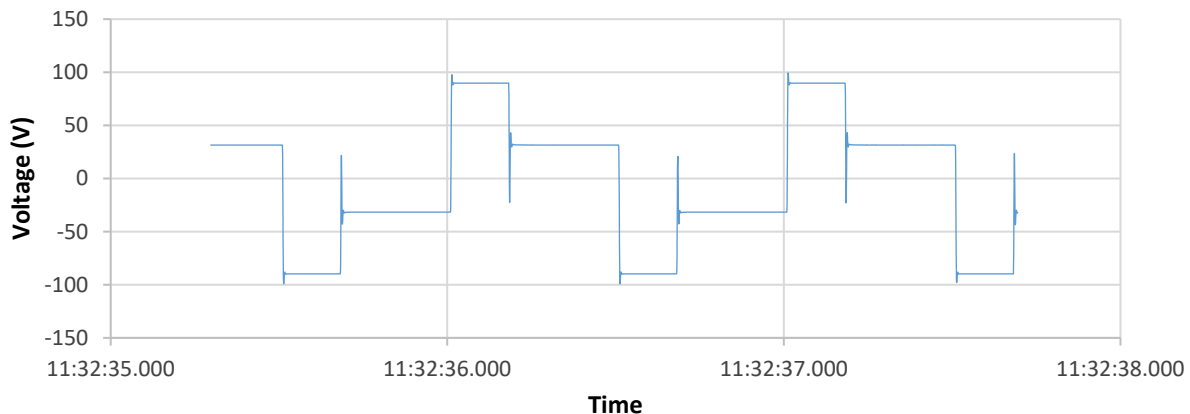
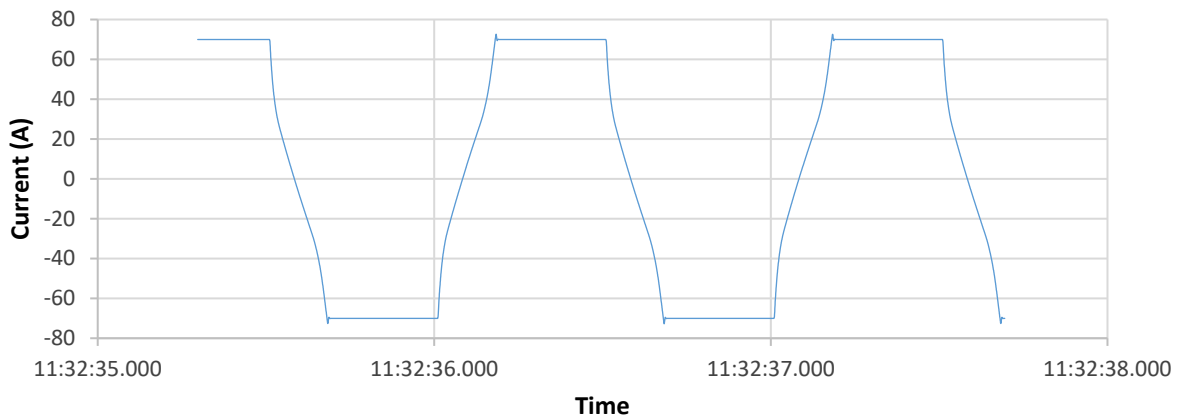
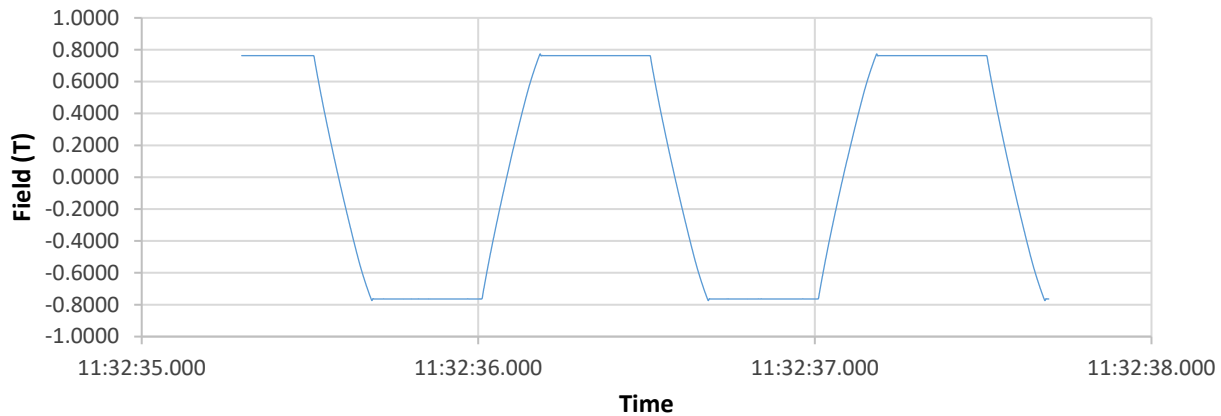
Model:	5403AC	Power Supply:	BPS-85-70, 85V/70A
Serial No:	4	PS Serial No:	31
Pole gap: 50mm. Spacer: 13mm x1, 16mm x1, 20mm x1.			
Pole Face: 60 mm, round			
Field Probe: Senis probe 2T SN:077-12, model 0YA02F-J02T0K5J, 5V/T			
Note 1:	Probe location at gap center		
Note 2:	Voltage / Current readback: analog port on BPS		
Note 3:	Sine waveform.70A, 10Hz		



Electromagnet Waveform Plot

Contract No:	Page:	6 of 7	Test Date:	12/20/2021
Customer:			Engr:	Y.Qin

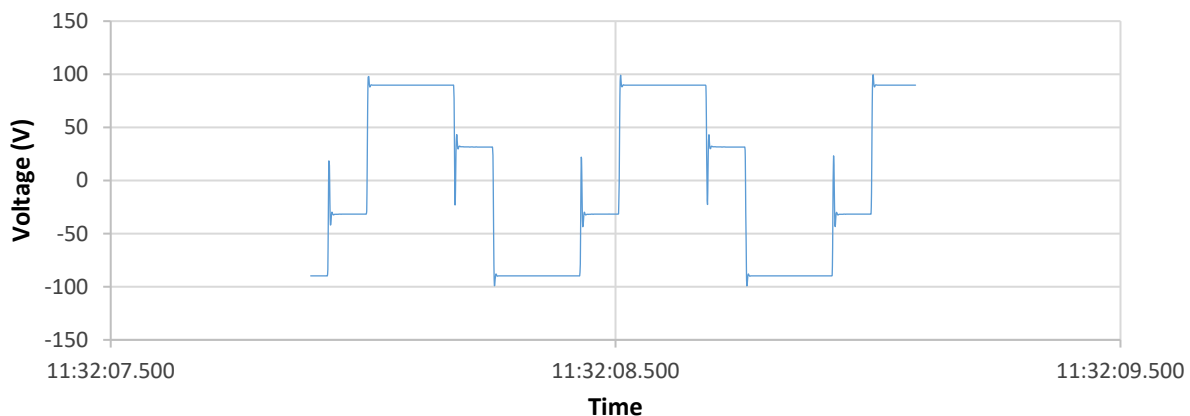
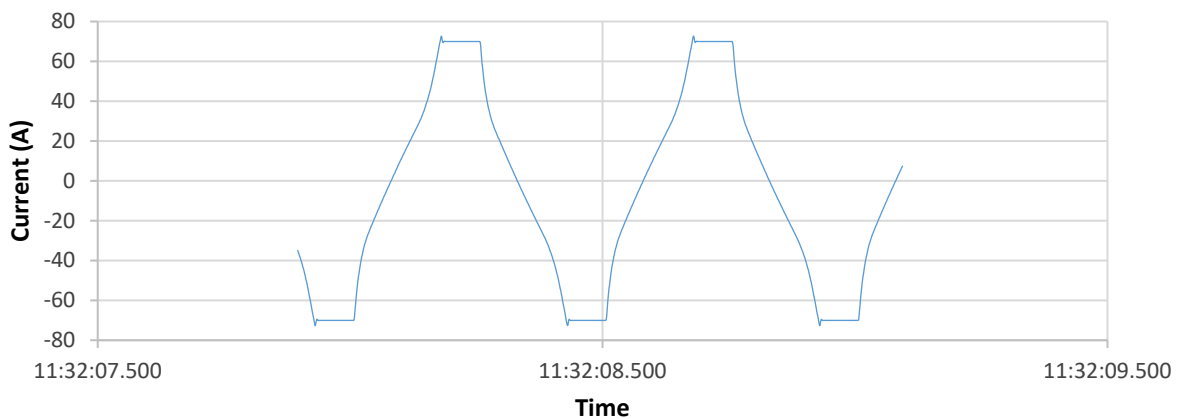
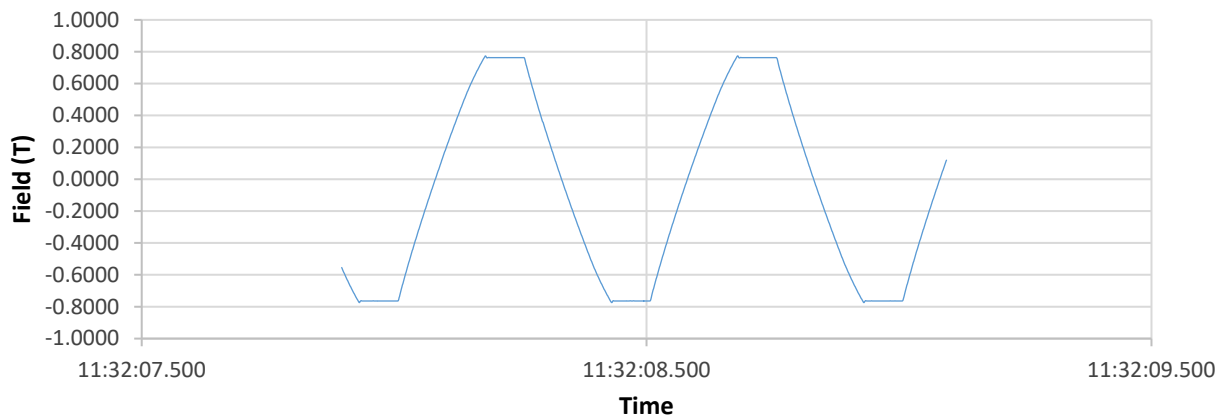
Model:	5403AC	Power Supply:	BPS-85-70, 85V/70A
Serial No:	4	PS Serial No:	31
Pole gap: 50mm. Spacer: 13mm x1, 16mm x1, 20mm x1.			
Pole Face: 60 mm, round			
Field Probe: Senis probe 2T SN:077-12, model 0YA02F-J02T0K5J, 5V/T			
Note 1:	Probe location at gap center		
Note 2:	Voltage / Current readback: analog port on BPS		
Note 3:	Square waveform.70A, 1Hz		



Electromagnet Waveform Plot

Contract No:	Page:	7 of 7	Test Date:	12/20/2021
Customer:			Engr:	Y.Qin

Model:	5403AC	Power Supply:	BPS-85-70, 85V/70A
Serial No:	4	PS Serial No:	31
Pole gap: 50mm. Spacer: 13mm x1, 16mm x1, 20mm x1.			
Pole Face: 60 mm, round			
Field Probe: Senis probe 2T SN:077-12, model 0YA02F-J02T0K5J, 5V/T			
Note 1:	Probe location at gap center		
Note 2:	Voltage / Current readback: analog port on BPS		
Note 3:	Square waveform.70A, 2Hz		



Electromagnet Waveform Plot

Contract No:	Page:	1 of 7	Test Date:	12/20/2021
Customer:			Engr:	Y.Qin

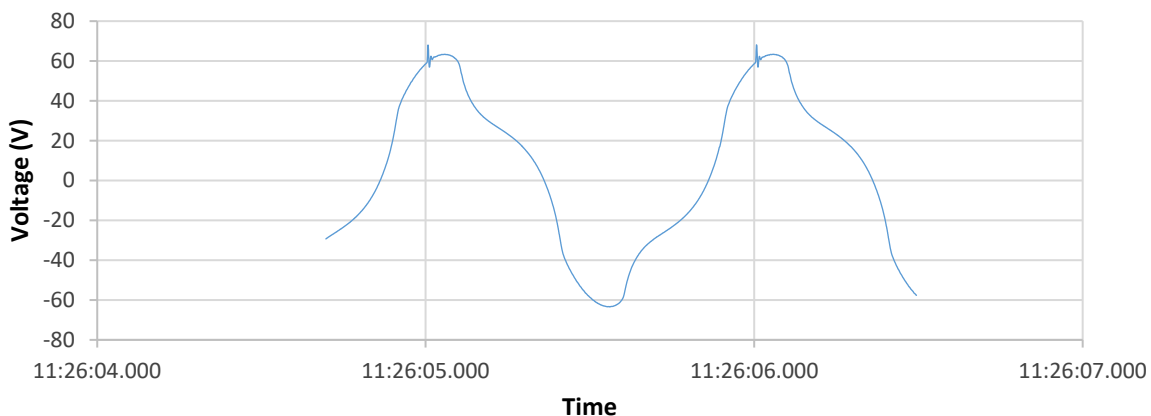
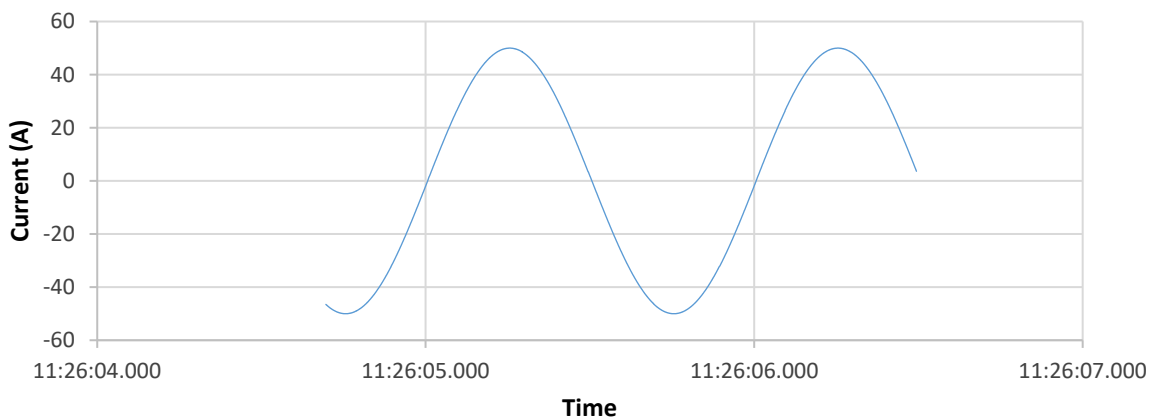
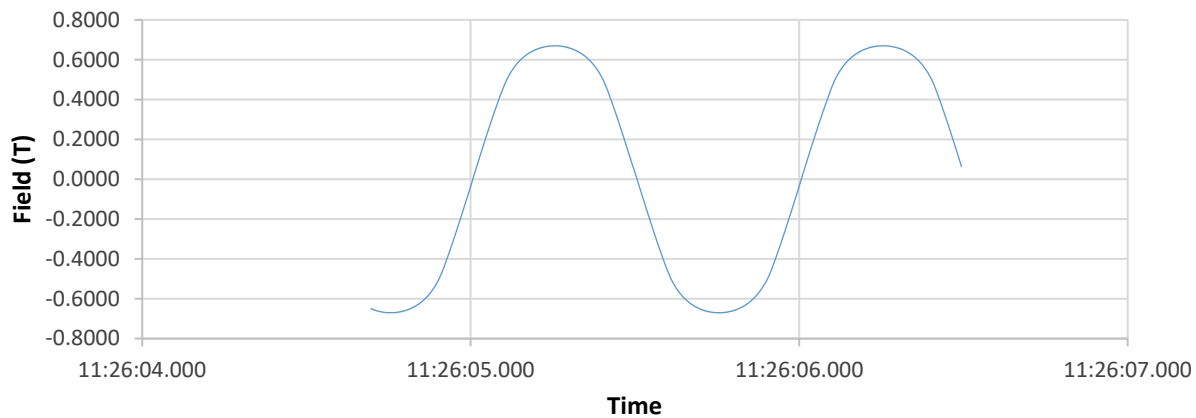
Model:	5403AC	Power Supply:	BPS-85-70, 85V/70A
Serial No:	4	PS Serial No:	31
Pole gap:	50mm. Spacer: 13mm x1, 16mm x1, 20mm x1.		
Pole Face:	60 mm, round		

Field Probe Senis probe 2T SN:077-12, model 0YA02F-J02T0K5J, 5V/T

Note 1: Probe location at gap center

Note 2: Voltage / Current readback: analog port on BPS

Note 3: Sine waveform.50A, 1Hz

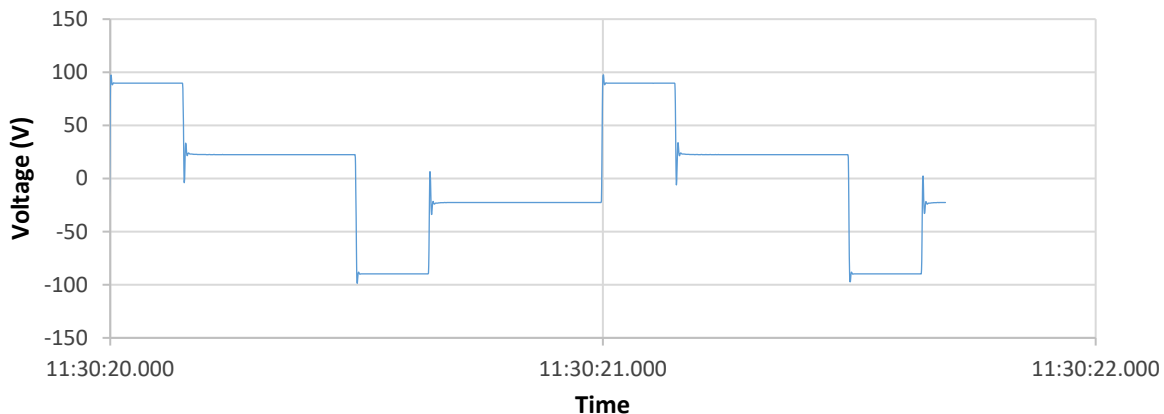
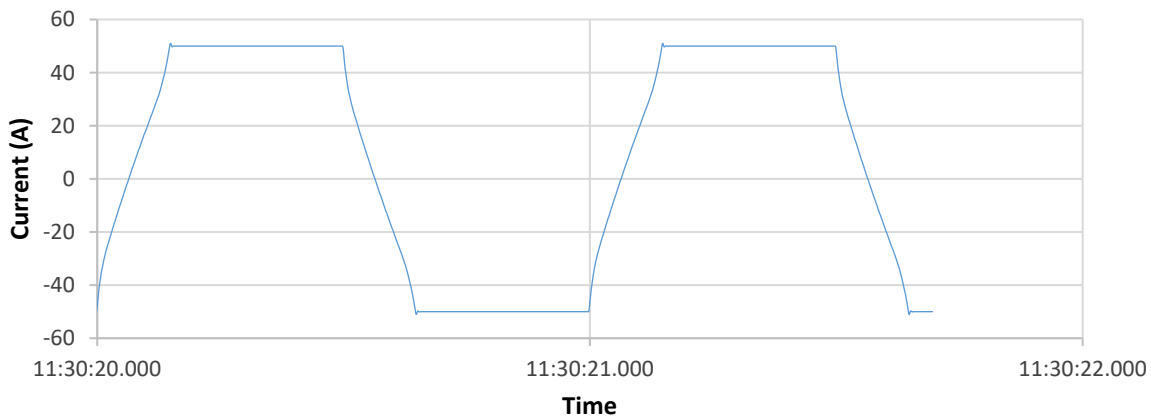
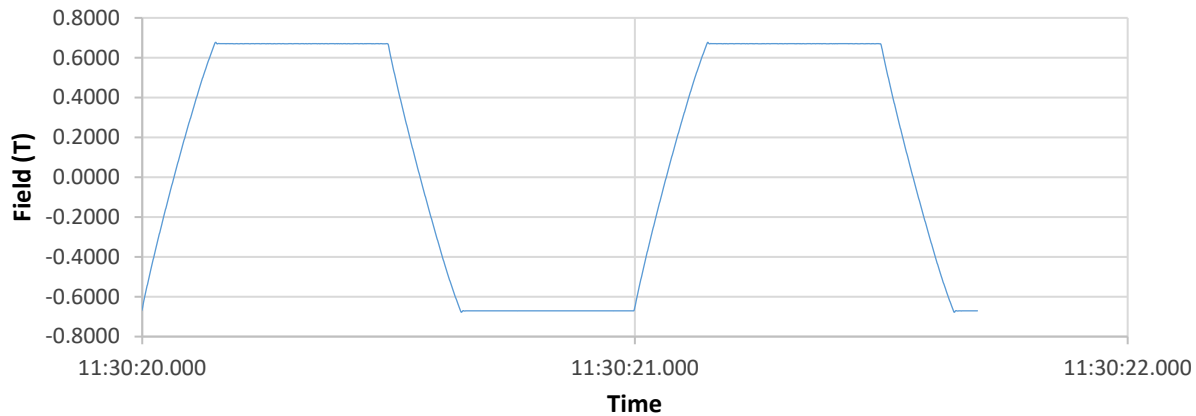


Electromagnet Waveform Plot

Electromagnet Waveform Plot

Contract No:	Page:	6 of 7	Test Date:	12/20/2021
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Model:	5403AC	Power Supply:	BPS-85-70, 85V/70A
Serial No:	4	PS Serial No:	31
Pole gap: 50mm. Spacer: 13mm x1, 16mm x1, 20mm x1.			
Pole Face: 60 mm, round			
Field Probe: Senis probe 2T SN:077-12, model 0YA02F-J02T0K5J, 5V/T			
Note 1:	Probe location at gap center		
Note 2:	Voltage / Current readback: analog port on BPS		
Note 3:	Square waveform.50A, 1Hz		



Electromagnet Waveform Plot

Contract No:	Page:	7 of 7	Test Date:	12/20/2021
Customer:			Engr:	Y.Qin

Model:	5403AC	Power Supply:	BPS-85-70, 85V/70A
Serial No:	4	PS Serial No:	31
Pole gap: 50mm. Spacer: 13mm x1, 16mm x1, 20mm x1.			
Pole Face: 60 mm, round			
Field Probe: Senis probe 2T SN:077-12, model 0YA02F-J02T0K5J, 5V/T			
Note 1:	Probe location at gap center		
Note 2:	Voltage / Current readback: analog port on BPS		
Note 3:	Square waveform.50A, 2Hz		

