

Appendix A: Test Plots

RF SAFETY LABORATORY

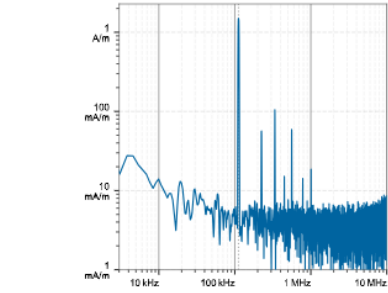
DASY8 Module WPT Measurement Report

Device under test	Tool info	Scan info
Info: A3LSMS741U	DASY software version: DASY8 Module WPT 3.4.0.6944	Center location: x: 360.00 μ m, y: 9.03 mm, z: 112.64 mm
Serial number: H3KAA	Probe model, serial no. and configuration date: MAGPy-8H3D+E3Dv2, WP000267, 2025/10/03	Dimensions: x: 168.6 mm, y: 168.7 mm, z: 37.0 mm
Scenario: phone left	Software version: 3.4.0, backend: 3.2.21	Resolution: x: 7.33 mm, y: 7.33 mm, z: 7.33 mm
	Hardware version: FPGA: 100, FW: N/A	Completed on: 2026/05/14

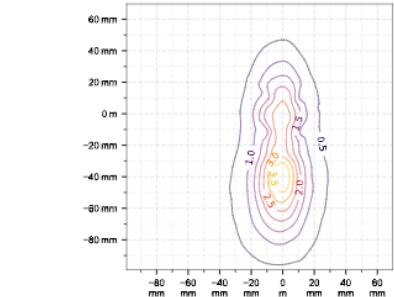
Measurement results

Maximum H-field [rms]: MAGNITUDE: 3.79 A/m x: 772.57 mA/m, y: 811.54 mA/m, z: 3.62 A/m
Maximum H-field location relative to DUT: x: -3.67 mm, y: -40.33 mm, z: 8.50 mm
Maximum E-field [rms]: MAGNITUDE: 36.65 V/m x: 2.76 V/m, y: 714.95 mV/m, z: 36.54 V/m
Maximum E-field location relative to DUT: x: 0.00 m, y: -44.00 mm, z: 0.00 m
Distance to -20.0 dB boundary: 36.67 mm
Offset relative to DUT: x: 0.00 m, y: 0.00 m, z: 1.00 mm

H-field magnitude [rms] at center location



H-field magnitude [rms] at lowest plane



Incident fields and induced fields in the homoeous phantom at the peak frequency (f=111.84 kHz, σ = 0.750 S/m, tissue density = 1,000 kg/m³)

Distance [mm]	Peak incident fields [μs]		Peak E _{ind} [V/m, μs]			Peak J _{ind} [A/m ² , μs]	psSAR [mW/kg]		H-field extent	Sign	Vector potential	Warnings Boundary effect
	H _{inc} [A/m]	E _{inc} [V/m]	Cube avg.	Local	Line avg.	Surface avg.	1g avg.	10g avg.	-20 dB radius [mm]			
0.00	8.62	36.6	0.0419	0.0433	0.0429	0.0268	6.79e-4	3.21e-4	42.8	7%	31%	42%

Compliance evaluation (Field values at the peak frequency) (f=111.84 kHz, total field evaluation, coverage evaluation)

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6			
	RL [μs]		BR [μs]		RL [μs]		BR [μs]		ERL [μs]		DRL [μs]		MPE [μs]		BR [μs]		RL [μs]		BR [μs]	
	pH _{inc} [A/m]	pE _{inc} [V/m]	pE _{ind} [V/m]	psSAR [mW/kg]	pH _{inc} [A/m]	pE _{inc} [V/m]	pJ _{ind} [A/m ²]	psSAR [mW/kg]	pH _{inc} [A/m]	pE _{inc} [V/m]	pE _{ind} [V/m]	psSAR [mW/kg]	pH _{inc} [A/m]	pE _{inc} [V/m]	pE _{ind} [V/m]	psSAR [mW/kg]	pH _{inc} [A/m]	pE _{inc} [V/m]	pE _{ind} [V/m]	psSAR [mW/kg]
0.00	8.62	36.6	0.229	3.22e-4	8.62	36.6	0.0277	3.22e-4	8.62	36.6	0.129	3.22e-4	8.62	36.6	N/A	6.80e-4	8.62	36.6	0.334	6.80e-4
Coverage factors: w _{E_{ind}, cube avg.} = [5.44], w _{E_{ind}, local} = [7.69], w _{E_{ind}, line avg.} = [2.98]																				

Compliance evaluation (Exposure ratios) (with multi-frequency enhancement, total field evaluation, coverage evaluation, ratios in dB)

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6			
	RL		BR		RL		BR		ERL		DRL		MPE		BR		RL		BR	
	pH _{inc} NS	pH _{inc} TH	pE _{inc} NS	pE _{inc} TH	pE _{ind} NS	pE _{ind} TH	psSAR NS	psSAR TH	pH _{inc} NS	pE _{inc} NS	pE _{ind} NS	psSAR TH	pH _{inc} N/A	pE _{inc} N/A	pE _{ind} N/A	psSAR TH	pH _{inc} NS	pE _{inc} TH	pE _{ind} NS	psSAR TH
0.00	-7.73	-14.1	-6.6	-37.5	-36.4	-67.9	4.73	-6.91	-18.1	-67.9	-25.5	-31.5	-24.0	-31.4	-45.2	-67.9	14.5	-23.9	N/A	-63.7
Coverage factors: w _{E_{ind}, cube avg.} = [5.44], w _{E_{ind}, local} = [7.69], w _{E_{ind}, line avg.} = [2.98]																				

Device under test

Info:
A3LSMS741U

Serial number:
H3KAA

Scenario:
phone rotated front

Tool info

DASY software version:
DASY8 Module WPT 3.4.0.6944

Probe model, serial no. and configuration date:
MAGPy-8H3D+E3Dv2, WP000267, 2025/10/03

Software version:
3.4.0, backend: 3.2.21

Hardware version:
FPGA: 100, FW: N/A

Scan info

Center location:
x: -10.09 mm, y: 21.48 mm, z: 104.38 mm

Dimensions:
x: 257.0 mm, y: 257.0 mm, z: 37.0 mm

Resolution:
x: 7.33 mm, y: 7.33 mm, z: 7.33 mm

Completed on:
2026/05/14

Measurement results

Maximum H-field [rms]:
MAGNITUDE: 3.60 A/m
x: 1.04 A/m, y: 471.49 mA/m, z: 3.41 A/m

Maximum H-field location relative to DUT:
x: 40.33 mm, y: -11.00 mm, z: 8.50 mm

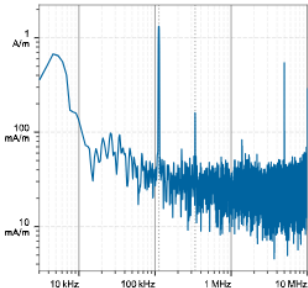
Maximum E-field [rms]:
MAGNITUDE: 36.14 V/m
x: 1.93 V/m, y: 1.12 V/m, z: 36.07 V/m

Maximum E-field location relative to DUT:
x: 14.67 mm, y: 58.67 mm, z: 0.00 m

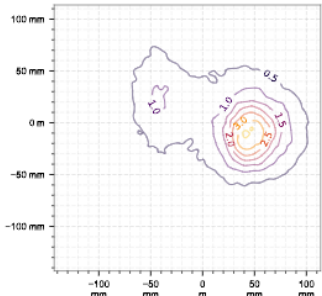
Distance to -20.0 dB boundary:
57.28 mm

Offset relative to DUT:
x: 0.00 m, y: 0.00 m, z: 1.00 mm

H-field magnitude [rms] at center location



H-field magnitude [rms] at lowest plane



Incident fields and induced fields in the homogeneous phantom at the peak frequency (f=112.15 kHz, σ=0.750 S/m, tissue density=1,000 kg/m³)

Distance [mm]	Peak incident fields [μV]		Peak E _{ind} [V/m, μV]			Peak J _{ind} [A/m ² , μV]	psSAR [mW/kg]		H-field extent	Sign	Vector potential	Warnings Boundary effect
	H _{inc} [A/m]	E _{inc} [V/m]	Cube avg.	Local	Line avg.	Surface avg.	1g avg.	10g avg.	-20 dB radius [mm]			
0.00	5.93	36.1	0.0355	0.0361	0.0362	0.0238	6.05e-4	4.12e-4	70.2	17%	19%	67%

Compliance evaluation (Field values at the peak frequency) (f=112.15 kHz, total field evaluation, coverage evaluation)

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6			
	RL [μV]	BR [μV]	RL [μV]	BR [μV]	RL [μV]	BR [μV]	RL [μV]	BR [μV]	RL [μV]	BR [μV]	RL [μV]	BR [μV]	RL [μV]	BR [μV]	RL [μV]	BR [μV]	RL [μV]	BR [μV]	RL [μV]	BR [μV]
0.00	5.93	36.1	0.209	4.13e-4	5.93	36.1	0.0247	4.13e-4	5.93	36.1	0.115	4.13e-4	5.93	36.1	N/A	6.06e-4	5.93	36.1	0.30	6.06e-4

Coverage factors: $w_{E_{ind, cube avg.}} = [5.85]$, $w_{E_{ind, local}} = [8.27]$, $w_{E_{ind, line avg.}} = [3.15]$

Compliance evaluation (Exposure ratios) (with multi-frequency enhancement, total field evaluation, coverage evaluation, ratios in dB)

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6			
	RL [μV]	BR [μV]	RL [μV]	BR [μV]	RL [μV]	BR [μV]	RL [μV]	BR [μV]	RL [μV]	BR [μV]	RL [μV]	BR [μV]	RL [μV]	BR [μV]	RL [μV]	BR [μV]	RL [μV]	BR [μV]	RL [μV]	BR [μV]
0.00	NS	TH	NS	TH	NS	TH	N/A	N/A	NS	TH	NS	TH	NS	TH	N/A	N/A	NS	TH	NS	TH
0.00	-11.0	-17.3	-7.22	-38.7	-37.2	-66.9	1.49	-7.63	-19.2	-66.9	-28.8	-34.8	-24.6	-31.6	-46.2	-66.9	11.2	-24.6	N/A	-64.2

Coverage factors: $w_{E_{ind, cube avg.}} = [5.85]$, $w_{E_{ind, local}} = [8.27]$, $w_{E_{ind, line avg.}} = [3.15]$

DASY8 Module WPT Measurement Report

Device under test

Info:
A3LSMS741U

Serial number:
H3KAA

Scenario:
earbuds back

Tool info

DASY software version:
DASY8 Module WPT 3.4.0.6944

Probe model, serial no. and configuration date:
MAGPy-8H3D+E3Dv2, WP000267, 2025/10/03

Software version:
3.4.0, backend: 3.2.21

Hardware version:
FPGA: 100, FW: N/A

Scan info

Center location:
x: -8.67 mm, y: -10.20 mm, z: 117.19 mm

Dimensions:
x: 169.0 mm, y: 168.5 mm, z: 36.0 mm

Resolution:
x: 7.33 mm, y: 7.33 mm, z: 7.33 mm

Completed on:
2026/05/14

Measurement results

Maximum H-field [rms]:
MAGNITUDE: 20.34 A/m
x: 2.47 A/m, y: 1.15 A/m, z: 20.16 A/m

Maximum H-field location relative to DUT:
x: -3.67 mm, y: 3.67 mm, z: 8.50 mm

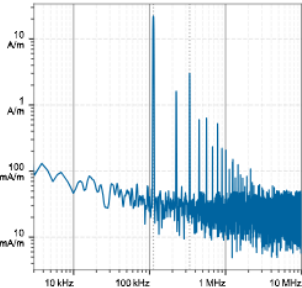
Maximum E-field [rms]:
MAGNITUDE: 152.73 V/m
x: 912.01 mV/m, y: 3.63 V/m, z: 152.68 V/m

Maximum E-field location relative to DUT:
x: 0.00 m, y: 0.00 m, z: 0.00 m

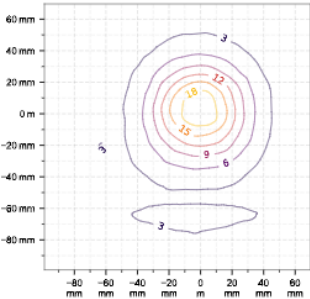
Distance to -20.0 dB boundary:
51.33 mm

Offset relative to DUT:
x: 0.00 m, y: 0.00 m, z: 1.00 mm

H-field magnitude [RMS] at center location



H-field magnitude [RMS] at lowest plane



Incident fields and induced fields in the homogeneous phantom at the peak frequency (f = 112.20 kHz, $\sigma = 0.750$ S/m, tissue density = 1,000 kg/m³)

Distance [mm]	Peak incident fields [μV]		Peak E _{ind} [V/m, μV]			Peak J _{ind} [A/m ² , μV]	psSAR [mW/kg]		H-field extent	Sign	Vector potential	Warnings Boundary effect
	H _{inc} [A/m]	E _{inc} [V/m]	Cube avg.	Local	Line avg.	Surface avg.	1g avg.	10g avg.	-20 dB radius [mm]			
0.00	39.5	153	0.208	0.212	0.212	0.138	0.0197	0.0111	54.8	6%	16%	33%

Compliance evaluation (Field values at the peak frequency) (f=112.20 kHz, total field evaluation, coverage evaluation)

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6			
	RL [μV]	BR [μV]	RL [μV]	BR [μV]	RL [μV]	BR [μV]	RL [μV]	BR [μV]	RL [μV]	BR [μV]	RL [μV]	BR [μV]	RL [μV]	BR [μV]	RL [μV]	BR [μV]	RL [μV]	BR [μV]	RL [μV]	BR [μV]
0.00	39.5	153	1.17	0.0111	39.5	153	0.142	0.0111	39.5	153	0.653	0.0111	39.5	153	N/A	0.0197	39.5	153	1.69	0.0197

Coverage factors: $W_{E_{ind}, cube avg} = [5.62]$, $W_{E_{ind}, local} = [7.94]$, $W_{E_{ind}, line avg} = [3.05]$

Compliance evaluation (Exposure ratios) (with multi-frequency enhancement, total field evaluation, coverage evaluation, ratios in dB)

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6			
	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH
0.00	5.49	-0.87	5.3	-26.2	-22.2	-52.6	18.0	4.89	-3.99	-52.6	-12.3	-18.3	-12.1	-19.1	-31.1	-52.6	27.7	-12.1	N/A	-49.1

Coverage factors: $W_{E_{ind}, cube avg} = [5.62]$, $W_{E_{ind}, local} = [7.94]$, $W_{E_{ind}, line avg} = [3.05]$

Device under test

Info:
A3LSMS741U

Serial number:
H3KAA

Scenario:
watch back

Tool info

DASY8 software version:
DASY8 Module WPT 3.4.0.6944

Probe model, serial no. and configuration date:
MAGPy-8H3D+E3Dv2, WP000267, 2025/10/03

Software version:
3.4.0, backend: 3.2.21

Hardware version:
FPGA: 100, FW: N/A

Scan info

Center location:
x: -140.00 µm, y: -1.41 mm, z: 54.81 mm

Dimensions:
x: 168.6 mm, y: 168.3 mm, z: 36.7 mm

Resolution:
x: 7.33 mm, y: 7.33 mm, z: 7.33 mm

Completed on:
2026/05/14

Measurement results

Maximum H-field [rms]:
MAGNITUDE: 19.90 A/m
x: 3.74 A/m, y: 15.99 A/m, z: 11.23 A/m

Maximum H-field location relative to DUT:
x: 3.67 mm, y: -25.67 mm, z: 8.50 mm

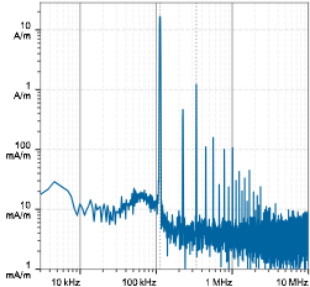
Maximum E-field [rms]:
MAGNITUDE: 312.93 V/m
x: 2.86 V/m, y: 2.32 V/m, z: 312.91 V/m

Maximum E-field location relative to DUT:
x: 0.00 mm, y: 0.00 mm, z: 0.00 m

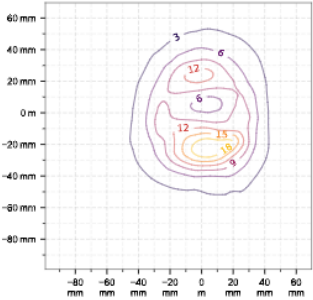
Distance to -20.0 dB boundary:
36.67 mm

Offset relative to DUT:
x: 0.00 mm, y: 0.00 mm, z: 1.00 mm

H-field magnitude [rms] at center location



H-field magnitude [rms] at lowest plane



Incident fields and induced fields in the homoeous phantom at the peak frequency (f=112.06 kHz, σ=0.750 S/m, tissue density=1,000 kg/m³)

Distance [mm]	Peak incident fields [µV]		Peak E _{ind} [V/m, µV]		Peak J _{ind} [A/m², µV]		psSAR [mW/kg]		H-field extent -20 dB radius [mm]	Sign	Vector potential	Warnings Boundary effect
	H _{inc} [A/m]	E _{inc} [V/m]	Cube avg.	Local	Line avg.	Surface avg.	1g avg.	10g avg.				
0.00	41.0	313	0.232	0.238	0.238	0.145	0.0203	0.26e-3	50.7	11%	21%	24%

Compliance evaluation (Field values at the peak frequency) (f=112.06 kHz, total field evaluation, coverage evaluation)

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6			
	RL [µV]	BR [µV]	RL [µV]	BR [µV]	RL [µV]	BR [µV]	RL [µV]	BR [µV]	RL [µV]	BR [µV]	RL [µV]	BR [µV]	RL [µV]	BR [µV]	RL [µV]	BR [µV]	RL [µV]	BR [µV]	RL [µV]	BR [µV]
0.00	41.0	313	1.30	0.33e-3	41.0	313	0.152	0.33e-3	41.0	313	0.731	0.33e-3	41.0	313	N/A	0.0204	41.0	313	1.88	0.0204

Coverage factors: w_{E_{ind}, cube avg.} = [5.56], w_{E_{ind}, local} = [7.85], w_{E_{ind}, line avg.} = [3.03]

Compliance evaluation (Exposure ratios) (with multi-frequency enhancement, total field evaluation, coverage evaluation, ratios in dB)

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6			
	RL [µV]	BR [µV]	RL [µV]	BR [µV]	RL [µV]	BR [µV]	RL [µV]	BR [µV]	RL [µV]	BR [µV]	RL [µV]	BR [µV]	RL [µV]	BR [µV]	RL [µV]	BR [µV]	RL [µV]	BR [µV]	RL [µV]	BR [µV]
0.00	5.81	-0.56	11.5	-19.9	-21.3	-53.3	18.3	11.1	-3.36	-53.3	-12.0	-18.0	-5.85	-12.8	-30.1	-53.3	28.0	-5.85	N/A	-48.9

Coverage factors: w_{E_{ind}, cube avg.} = [5.56], w_{E_{ind}, local} = [7.85], w_{E_{ind}, line avg.} = [3.03]

Device under test

Info:
A3LSMS741U

Serial number:
H3KAA

Scenario:
ping back

Tool info

DASY software version:
DASY8 Module WPT 3.4.0.6944

Probe model, serial no. and configuration date:
MAGPy-8H3D+E3Dv2, WP000267, 2025/10/03

Software version:
3.4.0, backend: 3.2.21

Hardware version:
FPGA: 100, FW: N/A

Scan info

Center location:
x: -18.96 mm, y: 23.19 mm, z: 95.21 mm

Dimensions:
x: 168.7 mm, y: 168.7 mm, z: 36.0 mm

Resolution:
x: 7.33 mm, y: 7.33 mm, z: 7.33 mm

Completed on:
2026/05/14

Measurement results

Maximum H-field [rms]:
MAGNITUDE: 244.30 A/m
x: 23.83 A/m, y: 5.47 A/m, z: 243.07 A/m

Maximum H-field location relative to DUT:
x: 3.67 mm, y: -3.67 mm, z: 8.50 mm

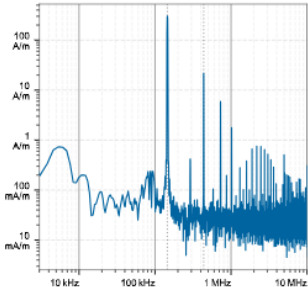
Maximum E-field [rms]:
MAGNITUDE: 61.15 V/m
x: 5.04 V/m, y: 3.60 V/m, z: 60.84 V/m

Maximum E-field location relative to DUT:
x: 0.00 m, y: 0.00 m, z: 0.00 m

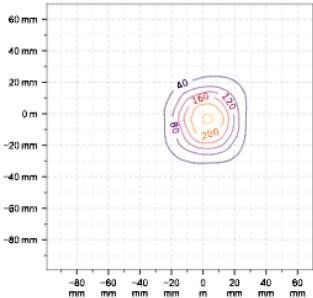
Distance to -20.0 dB boundary:
29.33 mm

Offset relative to DUT:
x: 0.00 m, y: 0.00 m, z: 1.00 mm

H-field magnitude [rms] at center location



H-field magnitude [rms] at lowest plane



Incident fields and induced fields in the homogeneous phantom at the peak frequency (f=145.44 kHz, σ=0.750 S/m, tissue density=1,000 kg/m³)

	Peak incident fields [rms]		Peak E _{ind} [V/m, rms]			Peak J _{ind} [A/m ² , rms]	psSAR [mW/kg]		H-field extent		Vector potential	Warnings
Distance [mm]	H _{inc} [A/m]	E _{inc} [V/m]	Cube avg.	Local	Line avg.	Surface avg.	1g avg.	10g avg.	-20 dB radius [mm]	Sign		Boundary effect
0.00	573	61.1	2.26	2.34	2.33	1.36	1.71	0.724	32.0	5%	11%	13%

Compliance evaluation (Field values at the peak frequency) (f=145.44 kHz, total field evaluation, coverage evaluation)

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6			
	RL [rms]	BR [rms]	RL [rms]	BR [rms]	RL [rms]	BR [rms]	ERL [rms]	DRL [rms]	MPE [rms]	BR [rms]	RL [rms]	BR [rms]	RL [rms]	BR [rms]	RL [rms]	BR [rms]	RL [rms]	BR [rms]	RL [rms]	BR [rms]
0.00	573	61.1	11.9	0.724	573	61.1	1.36	0.724	573	61.1	6.79	0.724	573	61.1	N/A	1.71	573	61.1	17.4	1.71

Coverage factors: $w_{E_{ind, cube avg.}} = [5.28]$, $w_{E_{ind, local}} = [7.46]$, $w_{E_{ind, line avg.}} = [2.91]$

Compliance evaluation (Exposure ratios) (with multi-frequency enhancement, total field evaluation, coverage evaluation, ratios in dB)

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6			
	RL	BR	RL	BR	RL	BR	ERL	DRL	MPE	BR	RL	BR	RL	BR	RL	BR	RL	BR	RL	BR
0.00	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH
0.00	28.7	24.6	-2.65	-32.5	-4.32	-34.4	41.2	-3.06	13.4	-34.4	10.9	7.19	-20.0	-27.0	-13.0	-34.4	50.9	-20.0	N/A	-29.7

Coverage factors: $w_{E_{ind, cube avg.}} = [5.28]$, $w_{E_{ind, local}} = [7.46]$, $w_{E_{ind, line avg.}} = [2.91]$