

Appendix A: Test Plots

RF SAFETY LABORATORY

DASY8 Module WPT Measurement Report

Device under test

Info:
A3LSMS942U

Serial number:
0062M

Scenario:
Front

Tool info

DASY software version:
DASY8 Module WPT 2.8.0.5184

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

Software version:
2.8.8, backend: 2.2.36

Scan info

Center location:
x: -2.81 mm, y: 23.70 mm, z: 17.97 mm

Dimensions:
x: 257.0 mm, y: 256.0 mm, z: 36.6 mm

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

Completed on:
2025/10/15

Measurement results

Maximum H-field [rms]:
MAGNITUDE: 2.50 A/m
x: 196.57 mA/m, y: 113.01 mA/m, z: 2.49 A/m

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

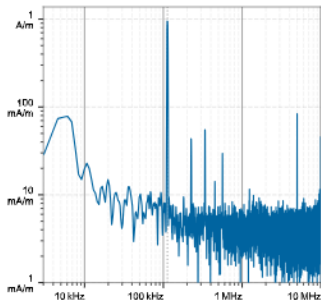
Maximum E-field [rms]:
MAGNITUDE: 62.85 V/m
x: 24.53 mV/m, y: 311.09 mV/m, z: 62.85 V/m

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

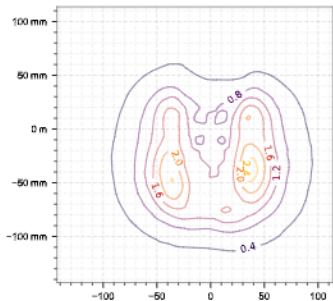
Distance to -20.0 dB boundary:
69.57 mm

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 = 112.42 kHz, σ = 0.750 S/m, tissue density = 1,000 kg/m³)

Distance [mm]	Peak incident fields [μV/m]		Peak E _{ind} [V/m, μV/m]			Peak J _{ind} [A/m ² , μA/m ²]	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	4.65	62.9	0.0412	0.0416	0.0417	0.0292	9.83e-4	7.05e-4	91.3	8%	26%	46%

Compliance evaluation (Field values at the peak frequency) (f = 112.42 kHz, total field evaluation, coverage evaluation)

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6			
	RL [μV/m]		BR [μV/m]		RL [μV/m]		BR [μV/m]		ERL [μV/m]		DRL [μV/m]		MPE [μV/m]		BR [μV/m]		RL [μV/m]		BR [μV/m]	
	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/m²]	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	4.65	62.9	0.256	7.08e-4	4.65	62.9	0.0306	7.08e-4	4.65	62.9	0.139	7.08e-4	4.65	62.9	N/A	9.86e-4	4.65	62.9	0.365	9.86e-4

Coverage factors: W_{E_{ind}, cube avg} = [6.17], W_{E_{ind}, local} = [8.72], W_{E_{ind}, line avg} = [3.29]

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}	pE _{inc}	pE _{ind}	psSAR	pH _{inc}	pE _{inc}	pJ _{ind}	psSAR	pH _{inc}	pE _{inc}	pE _{ind}	psSAR	pH _{inc}	pE _{inc}	pE _{ind}	psSAR	pH _{inc}	pE _{inc}	pE _{ind}	psSAR
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
	-13.1	-19.4	4.17	-22.3	-35.4	-64.3	-0.63	4.68	-16.8	-64.3	-30.9	-36.9	-13.2	-25.0	-44.4	-64.3	9.11	-11.8	N/A	-61.9

Coverage factors: W_{E_{ind}, cube avg} = [6.17], W_{E_{ind}, local} = [8.72], W_{E_{ind}, line avg} = [3.29]

Device under test

Info:
A3LSMS942U

Serial number:
0062M

Scenario:
Front rotated

Tool info

DASY software version:
DASY8 Module WPT 2.8.0.5184

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

Software version:
2.8.8, backend: 2.2.36

Scan info

Center location:
x: -22.46 mm, y: -17.03 mm, z: 18.11 mm

Dimensions:
x: 212.2 mm, y: 168.6 mm, z: 36.7 mm

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

Completed on:
2025/10/15

Measurement results

Maximum H-field [rms]:
MAGNITUDE: 9.94 A/m
x: 95.95 mA/m, y: 1.93 A/m, z: 9.75 A/m

Maximum H-field location relative to DUT:
x: -18.33 mm, y: -47.67 mm, z: 8.50 mm

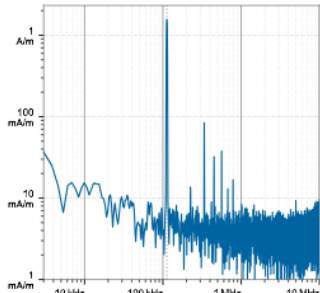
Maximum E-field [rms]:
MAGNITUDE: 111.18 V/m
x: 7.16 V/m, y: 3.33 V/m, z: 110.90 V/m

Maximum E-field location relative to DUT:
x: 51.33 mm, y: 7.33 mm, z: 0.00 m

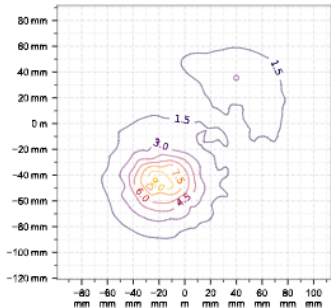
Distance to -20.0 dB boundary:
51.33 mm

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 = 112.38 kHz, $\sigma = 0.750$ S/m, tissue density = 1,000 kg/m³)

Distance [mm]	Peak incident fields [μ W]				Peak E_{ind} [V/m, μ W]			Peak J_{ind} [A/m ² , μ W]		psSAR [mW/kg]		H-field extent		Sign	Vector potential	Warnings
	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	18.5	111	0.0841	0.0882	0.0858	0.0542	2.90e-3	2.26e-3	50.0				20%	14%		60%

Compliance evaluation (Field values at the peak frequency) (f=112.38 kHz, total field evaluation, coverage evaluation)

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6			
	H_{inc} [A/m]	E_{inc} [V/m]	E_{ind} [V/m]	psSAR [mW/kg]	H_{inc} [A/m]	E_{inc} [V/m]	J_{ind} [A/m ²]	psSAR [mW/kg]	H_{inc} [A/m]	E_{inc} [V/m]	E_{ind} [V/m]	psSAR [mW/kg]	H_{inc} [A/m]	E_{inc} [V/m]	E_{ind} [V/m]	psSAR [mW/kg]	H_{inc} [A/m]	E_{inc} [V/m]	E_{ind} [V/m]	psSAR [mW/kg]
0.00	18.5	111	0.482	2.27e-3	18.5	111	0.0568	2.27e-3	18.5	111	0.268	2.27e-3	18.5	111	N/A	3.e-3	18.5	111	0.696	3.e-3

Coverage factors: $W_{E_{ind}, cube avg.} = [5.69]$, $W_{E_{ind}, local} = [8.03]$, $W_{E_{ind}, line avg.} = [3.08]$

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			
	H_{inc} [A/m]	E_{inc} [V/m]	E_{ind} [V/m]	psSAR [mW/kg]	H_{inc} [A/m]	E_{inc} [V/m]	J_{ind} [A/m ²]	psSAR [mW/kg]	H_{inc} [A/m]	E_{inc} [V/m]	E_{ind} [V/m]	psSAR [mW/kg]	H_{inc} [A/m]	E_{inc} [V/m]	E_{ind} [V/m]	psSAR [mW/kg]	H_{inc} [A/m]	E_{inc} [V/m]	E_{ind} [V/m]	psSAR [mW/kg]
0.00	-1.09	-7.44	13.9	-8.87	-29.8	-58.6	11.4	15.9	-10.9	-58.6	-18.9	-24.9	-3.49	-18.0	-38.6	-58.6	21.1	0.06	N/A	-56.6

Coverage factors: $W_{E_{ind}, cube avg.} = [5.69]$, $W_{E_{ind}, local} = [8.03]$, $W_{E_{ind}, line avg.} = [3.08]$

DASY8 Module WPT Measurement Report

Device under test

Info:
A3LSMS942U

Serial number:
0062M

Scenario:
Back, earbuds case

Tool info

DASY software version:
DASY8 Module WPT 2.8.0.5184

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

Software version:
2.8.8, backend: 2.2.36

Scan info

Center location:
x: 50.00 µm, y: -21.77 mm, z: 33.04 mm

Dimensions:
x: 168.7 mm, y: 168.9 mm, z: 36.7 mm

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

Completed on:
2025/10/15

Measurement results

Maximum H-field [rms]:
MAGNITUDE: 15.56 A/m
x: 2.81 A/m, y: 2.28 A/m, z: 15.13 A/m

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

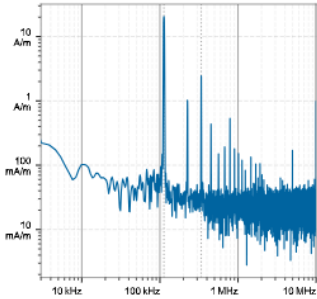
Maximum E-field [rms]:
MAGNITUDE: 50.90 V/m
x: 2.30 V/m, y: 905.15 mV/m, z: 50.84 V/m

Maximum E-field location relative to DUT:
x: 7.33 mm, y: 0.00 m, z: 0.00 m

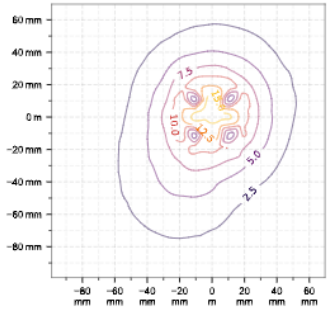
Distance to -20.0 dB boundary:
59.12 mm

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 = 112.55 kHz, σ = 0.750 S/m, tissue density = 1,000 kg/m³)

	Peak incident fields [mV]		Peak E _{ind} [V/m, mV]			Peak J _{ind} [A/m ² , mV]	psSAR [mW/kg]		H-field extent			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	Vector potential	Boundary effect
0.00	28.3	50.9	0.201	0.204	0.205	0.132	0.0185	0.0107	61.2	6%	34%	50%

Compliance evaluation (Field values at the peak frequency) (f=112.55 kHz, total field evaluation, coverage evaluation)

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 6			
	RL [µV]	RL [µV]	BR [µV]	BR [µV]	RL [µV]	RL [µV]	BR [µV]	BR [µV]	ERL [µV]	ERL [µV]	DRL [µV]	DRL [µV]	MPE [µV]	MPE [µV]	BR [µV]	BR [µV]	RL [µV]	RL [µV]	BR [µV]	BR [µV]
0.00	28.3	50.9	1.15	0.0107	28.3	50.9	0.133	0.0107	28.3	50.9	0.635	0.0107	28.3	50.9	N/A	0.0185	28.3	50.9	1.65	0.0185

Coverage factors: $W_{E_{ind}, cube avg} = [5.72]$, $W_{E_{ind}, local} = [8.08]$, $W_{E_{ind}, line avg} = [3.09]$

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	3.56	-2.72	3.56	-19.7	-21.5	-52.2	15.7	4.58	-3.49	-52.2	-14.2	-20.1	-13.8	-25.9	-30.4	-52.2	24.9	-11.5	N/A	-48.9

Coverage factors: $W_{E_{ind}, cube avg} = [5.72]$, $W_{E_{ind}, local} = [8.08]$, $W_{E_{ind}, line avg} = [3.09]$

Device under test

Info:
A3LSMS942U

Serial number:
0062M

Scenario:
Back, watch

Tool info

DASY software version:
DASY8 Module WPT 2.8.0.5184

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

Software version:
2.8.8, backend: 2.2.36

Scan info

Center location:
x: -370.00 µm, y: 51.30 mm, z: 22.56 mm

Dimensions:
x: 168.7 mm, y: 212.7 mm, z: 36.6 mm

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

Completed on:
2025/10/15

Measurement results

Maximum H-field [rms]:
MAGNITUDE: 22.41 A/m
x: 14.54 A/m, y: 9.14 A/m, z: 14.39 A/m

Maximum H-field location relative to DUT:
x: 25.67 mm, y: 11.00 mm, z: 8.50 mm

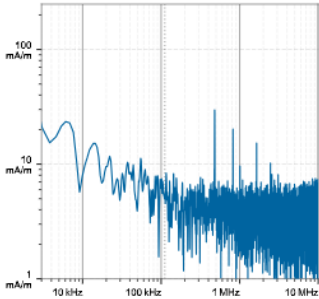
Maximum E-field [rms]:
MAGNITUDE: 143.50 V/m
x: 1.12 V/m, y: 798.09 mV/m, z: 143.49 V/m

Maximum E-field location relative to DUT:
x: 7.33 mm, y: 0.00 m, z: 0.00 m

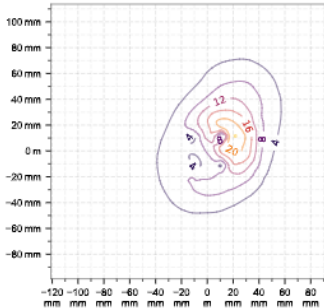
Distance to -20.0 dB boundary:
39.49 mm

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 = 112.24 kHz, σ = 0.750 S/m, tissue density = 1,000 kg/m³)

	Peak incident fields [μs]		Peak E _{ind} [V/m, μs]			Peak J _{ind} [A/m ² , μs]	psSAR [mW/kg]		H-field extent			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	Vector potential	Boundary effect
0.00	44.0	143	0.317	0.324	0.325	0.202	0.0411	0.0206	55.8	12%	33%	19%

Compliance evaluation (Field values at the peak frequency) (f = 112.24 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]	RL [µs]	BR [µs]	RL [µs]	BR [µs]	RL [µs]	BR [µs]	RL [µs]	BR [µs]	RL [µs]	BR [µs]	RL [µs]	BR [µs]	RL [µs]	BR [µs]	RL [µs]	BR [µs]
0.00	44.0	143	1.79	0.0206	44.0	143	0.206	0.0206	44.0	143	0.999	0.0206	44.0	143	N/A	0.0411	44.0	143	2.59	0.0411

Coverage factors: $W_{E_{ind}, cube avg.} = [5.64]$, $W_{E_{ind}, total} = [7.96]$, $W_{E_{ind}, line avg.} = [3.06]$

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 [µs]	BR [µs]	RL [µs]	BR [µs]	RL [µs]	BR [µs]	RL [µs]	BR [µs]	RL [µs]	BR [µs]	RL [µs]	BR [µs]	RL [µs]	BR [µs]	RL [µs]	BR [µs]	RL [µs]	BR [µs]	RL [µs]	BR [µs]
0.00	6.42	0.06	32.5	39.7	-18.1	-41.1	18.9	32.8	2.07	-41.1	-11.4	-17.4	15.1	31.6	-26.6	-41.1	28.6	16.7	N/A	-39.6

Coverage factors: $W_{E_{ind}, cube avg.} = [5.64]$, $W_{E_{ind}, total} = [7.96]$, $W_{E_{ind}, line avg.} = [3.06]$

Device under test

Info:
A3LSMS942U

Serial number:
0062M

Scenario:
Back, ping

Tool info

DASY software version:
DASY8 Module WPT 2.8.0.5184

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

Software version:
2.8.8, backend: 2.2.36

Scan info

Center location:
x: -12.00 mm, y: 33.93 mm, z: 63.49 mm

Dimensions:
x: 168.7 mm, y: 169.1 mm, z: 37.0 mm

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

Completed on:
2025/10/15

Measurement results

Maximum H-field [rms]:
MAGNITUDE: 289.21 A/m
x: 62.82 A/m, y: 4.10 A/m, z: 282.27 A/m

Maximum H-field location relative to DUT:
x: 11.00 mm, y: -3.67 mm, z: 8.50 mm

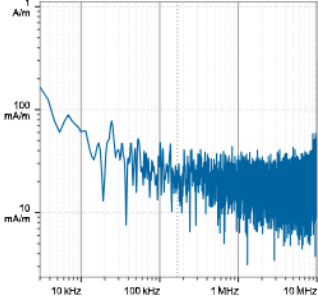
Maximum E-field [rms]:
MAGNITUDE: 42.77 V/m
x: 3.48 V/m, y: 5.96 V/m, z: 42.21 V/m

Maximum E-field location relative to DUT:
x: 0.00 m, y: -36.67 mm, z: 0.00 m

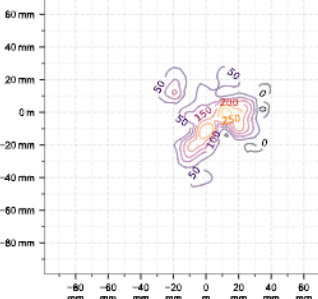
Distance to -20.0 dB boundary:
14.67 mm

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 homogeneous phantom at the peak frequency (f = 146.09 kHz, σ = 0.750 S/m, tissue density = 1,000 kg/m³)

	Peak incident fields [μs]		Peak E _{ind} [V/m, μs]			Peak J _{ind} [A/m ² , μs]	psSAR [mW/kg]		H-field extent			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	Vector potential	Boundary effect
0.00	547	42.8	1.87	1.94	1.93	1.18	1.38	0.571	31.6	3%	68%	26%

Compliance evaluation (Field values at the peak frequency) (f=146.09 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]	RL [μs]	BR [μs]	RL [μs]	BR [μs]	RL [μs]	BR [μs]	RL [μs]	BR [μs]	RL [μs]	BR [μs]	RL [μs]	BR [μs]	RL [μs]	BR [μs]	RL [μs]	BR [μs]
0.00	547	42.8	9.84	0.571	547	42.8	1.18	0.571	547	42.8	5.61	0.571	547	42.8	N/A	1.38	547	42.8	14.5	1.38

Coverage factors: $W_{E_{ind}, cube avg} = [5.27]$, $W_{E_{ind}, local} = [7.45]$, $W_{E_{ind}, line avg} = [2.90]$

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	RL	BR	RL	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	28.3	24.3	32.6	55.1	-5.91	-33.0	40.8	36.6	12.9	-33.0	10.5	6.83	15.2	39.2	-14.5	-33.0	50.5	21.6	N/A	-29.5

Coverage factors: $W_{E_{ind}, cube avg} = [5.27]$, $W_{E_{ind}, local} = [7.45]$, $W_{E_{ind}, line avg} = [2.90]$