

Appendix A: Test Plots

RF SAFETY LABORATORY

DASY8 Module WPT Measurement Report

Device under test	Tool info	Scan info
Info: A3LSMS942JPN	DASY software version: DASY8 Module WPT 2.8.0.5184	Center location: X: -18.19 mm, Y: -6.30 mm, Z: 169.21 mm
Serial number: 0366M	Probe model, serial no. and configuration date: MAGPy-8H3D+E3Dv2, WP000267, 2025/10/03	Dimensions: X: 256.5 mm, Y: 212.4 mm, Z: 36.0 mm
Scenario: Front	Software version: 2.8.8, backend: 2.2.36	Resolution: X: 7.33 mm, Y: 7.33 mm, Z: 7.33 mm
		Completed on: 2025/12/03

Measurement results

Maximum H-field [rms]:
MAGNITUDE: 2.28 A/m
X: 814.76 mA/m, Y: 135.27 mA/m, Z: 2.13 A/m

Maximum H-field location relative to DUT:
X: -33.00 mm, Y: -11.00 mm, Z: 8.50 mm

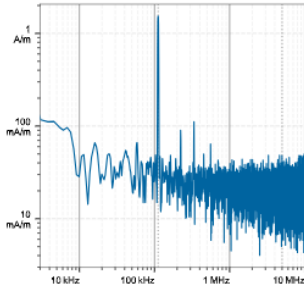
Maximum E-field [rms]:
MAGNITUDE: 17.93 V/m
X: 744.19 mV/m, Y: 1.18 V/m, Z: 17.88 V/m

Maximum E-field location relative to DUT:
X: 14.67 mm, Y: 51.33 mm, Z: 0.00 m

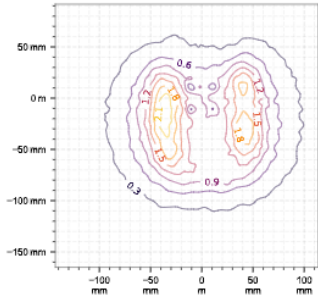
Distance to -20.0 dB boundary:
66.41 mm

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 = 111.73 kHz, $\sigma = 0.750\text{ S/m}$, tissue density = $1,000\text{ kg/m}^3$)

Distance [mm]	Peak incident fields [rms]		Peak E_{ind} [V/m, rms]		Peak J_{ind} [A/m ² , rms]		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	3.46	17.9	0.0339	0.0342	0.0343	0.0238	6.57e-4	4.62e-4	91.1	10%	56%	42%

Compliance evaluation (Field values at the peak frequency) (f = 111.73 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]	RL [rms]	BR [rms]	RL [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	3.46	17.9	0.209	4.62e-4	3.46	17.9	0.0243	4.62e-4	3.46	17.9	0.113	4.62e-4	3.46	17.9	N/A	6.57e-4	3.46	17.9	0.209	6.57e-4
Coverage factors: $W_{E_{\text{ind, cube avg}}} = [6.17]$, $W_{E_{\text{ind, local}}} = [8.71]$, $W_{E_{\text{ind, line avg}}} = [3.29]$																				

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	RL	BR	RL	BR	RL	BR	RL	BR	RL	BR	RL	BR	RL	BR	RL	BR
0.00	NS	TH	NS	TH	NS	TH	N/A	N/A	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH
0.00	-15.7	-22.1	-13.3	-44.8	-37.1	-66.4	-3.19	-13.7	-19.3	-66.4	-33.5	-39.5	-30.7	-37.7	-46.3	-66.4	6.55	-30.7	N/A	-63.9
Coverage factors: $W_{E_{\text{ind, cube avg}}} = [6.17]$, $W_{E_{\text{ind, local}}} = [8.71]$, $W_{E_{\text{ind, line avg}}} = [3.29]$																				

Device under test

Info:
A3LSMS942JPN

Serial number:
0366M

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: -18.33 mm, Y: -6.32 mm, Z: 168.81 mm

Dimensions:
X: 168.3 mm, Y: 168.3 mm, Z: 37.0 mm

Resolution:
X: 7.33 mm, Y: 7.33 mm, Z: 7.33 mm

Completed on:
2025/12/03

Measurement results

Maximum H-field [rms]:
MAGNITUDE: 6.83 A/m
X: 205.40 mA/m, Y: 1.83 A/m, Z: 6.58 A/m

Maximum H-field location relative to DUT:
X: -18.33 mm, Y: -47.67 mm, Z: 8.50 mm

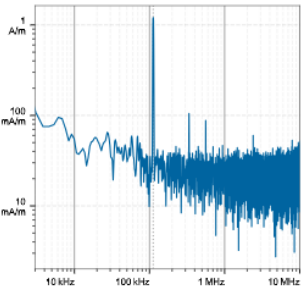
Maximum E-field [rms]:
MAGNITUDE: 62.21 V/m
X: 3.99 V/m, Y: 2.06 V/m, Z: 62.05 V/m

Maximum E-field location relative to DUT:
X: 51.33 mm, Y: 7.33 mm, Z: 0.00 m

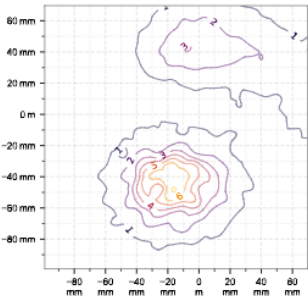
Distance to -20.0 dB boundary:
42.76 mm

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 = 111.94 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/m², μA/m²]		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	14.8	62.2	0.0607	0.0621	0.062	0.0397	1.61e-3	9.84e-4	55.8	41%	16%			74%

Compliance evaluation (Field values at the peak frequency) (f = 111.94 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]	psSAR [mW/kg]	psSAR [mW/kg]	RL [μV/m]	BR [μV/m]	psSAR [mW/kg]	psSAR [mW/kg]	ERL [μV/m]	DRL [μV/m]	psSAR [mW/kg]	psSAR [mW/kg]	MPE [μV/m]	BR [μV/m]	psSAR [mW/kg]	psSAR [mW/kg]	RL [μV/m]	BR [μV/m]	psSAR [mW/kg]	psSAR [mW/kg]
0.00	14.8	62.2	0.344	9.88e-4	14.8	62.2	0.0412	9.88e-4	14.8	62.2	0.191	9.88e-4	14.8	62.2	N/A	1.62e-3	14.8	62.2	0.496	1.62e-3

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

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			
	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH	NS	TH
0.00	-3.03	-9.41	-2.5	-34.0	-32.9	-63.1	9.43	-2.91	-14.7	-63.1	-20.8	-26.8	-19.9	-26.9	-41.8	-63.1	19.2	-19.9	N/A	-60.0

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

Device under test

Info:
A3LSMS942JPN

Serial number:
0366M

Scenario:
Back, earbuds

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: 7.12 mm, Y: 42.53 mm, Z: 41.89 mm

Dimensions:
X: 168.7 mm, Y: 168.5 mm, Z: 36.7 mm

Resolution:
X: 7.33 mm, Y: 7.33 mm, Z: 7.33 mm

Completed on:
2025/12/08

Measurement results

Maximum H-field [rms]:
MAGNITUDE: 19.11 A/m
X: 3.21 A/m, Y: 6.85 A/m, Z: 17.55 A/m

Maximum H-field location relative to DUT:
X: -3.67 mm, Y: -3.67 mm, Z: 8.50 mm

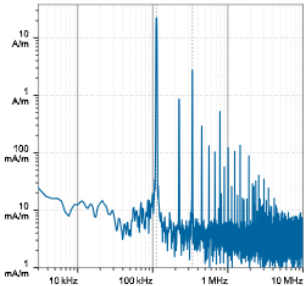
Maximum E-field [rms]:
MAGNITUDE: 47.52 V/m
X: 1.32 V/m, Y: 2.42 V/m, Z: 47.44 V/m

Maximum E-field location relative to DUT:
X: 0.00 m, Y: 0.00 m, Z: 0.00 m

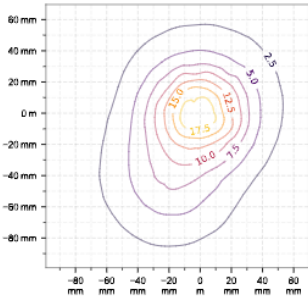
Distance to -20.0 dB boundary:
60.47 mm

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 = 112.00 kHz, $\sigma = 0.750$ S/m, tissue density = 1,000 kg/m³)

Distance [mm]	Peak incident fields [μV]		Peak E _{avg} [V/m, μV]			Peak J _{avg} [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	34.9	47.5	0.254	0.258	0.258	0.171	0.0309	0.0175	60.9	7%	13%			41%

Compliance evaluation (Field values at the peak frequency) (f=112.00 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]	psSAR [mW/kg]	RL [μV]	RL [μV]	BR [μV]	psSAR [mW/kg]	ERL [μV]	ERL [μV]	DRL [μV]	psSAR [mW/kg]	MPE [μV]	MPE [μV]	BR [μV]	psSAR [mW/kg]	RL [μV]	RL [μV]	BR [μV]	psSAR [mW/kg]
0.00	34.9	47.5	1.45	0.0175	34.9	47.5	0.172	0.0175	34.9	47.5	0.80	0.0175	34.9	47.5	N/A	0.0309	34.9	47.5	2.08	0.0309

Coverage factors: $w_{E_{ind, cube avg}} = [5.71]$, $w_{E_{ind, local}} = [8.07]$, $w_{E_{ind, line avg}} = [3.09]$

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	4.41	-1.97	-4.84	-36.3	-20.4	-50.6	16.9	-5.25	-2.28	-50.6	-13.4	-19.4	-22.2	-29.2	-29.3	-50.6	26.6	-22.2	N/A	-47.1

Coverage factors: $w_{E_{ind, cube avg}} = [5.71]$, $w_{E_{ind, local}} = [8.07]$, $w_{E_{ind, line avg}} = [3.09]$

DASY8 Module WPT Measurement Report

Device under test

Info:
A3LSMS942JPN

Serial number:
0366M

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: -3.71 mm, y: -1.30 mm, z: 23.61 mm

Dimensions:
x: 213.0 mm, y: 212.4 mm, z: 36.7 mm

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

Completed on:
2025/12/08

Measurement results

Maximum H-field [rms]:
MAGNITUDE: 26.88 A/m
x: 10.23 A/m, y: 13.55 A/m, z: 20.84 A/m

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

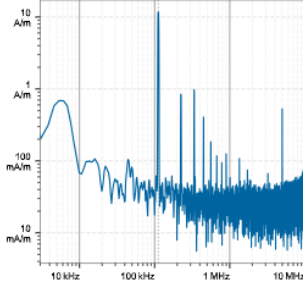
Maximum E-field [rms]:
MAGNITUDE: 132.31 V/m
x: 7.53 V/m, y: 8.92 V/m, z: 131.80 V/m

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

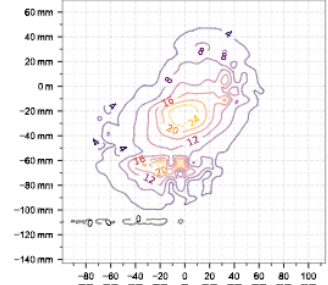
Distance to -20.0 dB boundary:
42.76 mm

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 = 111.96 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	54.0	132	0.40	0.408	0.408	0.261	0.0695	0.0365	62.1	22%	37%	29%

Compliance evaluation (Field values at the peak frequency) (f = 111.96 kHz, total field evaluation, coverage evaluation)

Distance [mm]	ICNIRP 2010/2020				ICNIRP 1998				IEEE 2019				FCC				HC Code 8			
	RL [μV]		BR [μV]		RL [μV]		BR [μV]		ERL [μV]		DRL [μV]		MPE [μV]		BR [μV]		RL [μV]		BR [μV]	
	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	54.0	132	2.29	0.0365	54.0	132	0.264	0.0365	54.0	132	1.27	0.0365	54.0	132	N/A	0.0696	54.0	132	3.30	0.0696

Coverage factors: $w_{E_{ind}, cube avg} = [3.73]$, $w_{E_{ind}, local} = [3.10]$, $w_{E_{ind}, line avg} = [3.10]$

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 8			
	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	N/A	N/A	N/A	TH	NS	TH	NS	TH
0.00	8.21	1.83	4.05	-27.4	-16.4	-47.4	20.7	3.64	1.43	-47.4	-9.59	-15.6	-13.3	-20.3	-25.3	-47.4	30.4	-13.3	N/A	-43.6

Coverage factors: $w_{E_{ind}, cube avg} = [3.73]$, $w_{E_{ind}, local} = [3.10]$, $w_{E_{ind}, line avg} = [3.10]$

DASY8 Module WPT Measurement Report

Device under test

Info:
A3LSMS942JPN

Serial number:
2392M

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: -9.39 mm, Y: -6.74 mm, Z: 11.28 mm

Dimensions:
X: 168.3 mm, Y: 168.9 mm, Z: 36.6 mm

Resolution:
X: 7.33 mm, Y: 7.33 mm, Z: 7.33 mm

Completed on:
2025/12/08

Measurement results

Maximum H-field [rms]:
MAGNITUDE: 217.34 A/m
X: 57.65 A/m, Y: 1.25 A/m, Z: 209.55 A/m

Maximum H-field location relative to DUT:
X: 3.67 mm, Y: -3.67 mm, Z: 8.50 mm

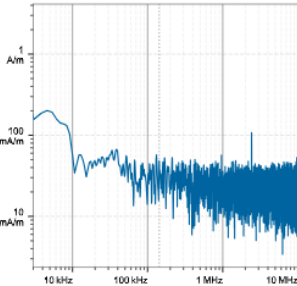
Maximum E-field [rms]:
MAGNITUDE: 44.01 V/m
X: 2.26 V/m, Y: 4.89 V/m, Z: 43.68 V/m

Maximum E-field location relative to DUT:
X: 0.00 m, Y: 14.67 mm, Z: 0.00 m

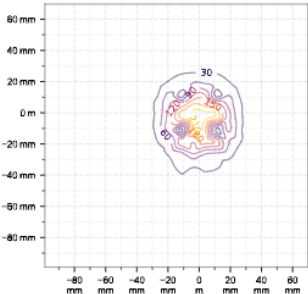
Distance to -20.0 dB boundary:
16.40 mm

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 = 145.76 kHz, $\sigma = 0.750$ S/m, tissue density = 1,000 kg/m³)

Distance [mm]	Peak incident fields [μV]		Peak E _{avg} [V/m, μV]			Peak J _{avg} [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	521	44.0	2.01	2.08	2.08	1.20	1.32	0.582	31.8	17%	30%	16%

Compliance evaluation (Field values at the peak frequency) (f=145.76 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]		ERL [μV]		DRL [μV]		MPE [μV]		BR [μV]		RL [μV]		BR [μV]	
	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	521	44.0	10.6	0.582	521	44.0	1.20	0.582	521	44.0	6.04	0.582	521	44.0	N/A	1.32	521	44.0	15.5	1.32

Coverage factors: $w_{E_{ind}, cube avg} = [5.28]$, $w_{E_{ind}, local} = [7.45]$, $w_{E_{ind}, line avg} = [2.90]$

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		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	TH	NS	TH	NS	TH	N/A	N/A	N/A	TH	NS	TH	NS	TH
	27.9	23.8	-5.51	-35.4	-5.36	-35.4	40.4	-5.92	12.3	-35.4	10.1	6.39	-22.9	-29.9	-14.1	-35.4	50.1	-22.9	N/A	-30.8

Coverage factors: $w_{E_{ind}, cube avg} = [5.28]$, $w_{E_{ind}, local} = [7.45]$, $w_{E_{ind}, line avg} = [2.90]$