
Appendix B. Highest Measurement Data

Test Laboratory: DEKRA

Date: 2025-04-07

2_WLAN2.4GHz_802.11b-1M_CH1_Back(PAD)_0mm_Ant Main

Communication System: UID 10415-AAA, WLAN; Frequency: 2412.000 MHz

Medium parameters used: $f = 2412.000$ MHz; Conductivity = 1.74 S/m; Permittivity = 40.2

Phantom section: Flat

DASY Configuration:

- Probe: EX3DV4 - SN7784; ConvF(6.73, 6.93, 6.69); Calibrated: 2024-04-22
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1791; Calibrated: 2024-04-22
- Phantom: ELI V8.0 (20deg probe tilt)
- Measurement SW: V16.4.0.5005

Area Scan (90.0 mm x 80.0 mm): Measurement grid: 10.0 mm x 10.0 mm

SAR (1 g) = 0.935 W/kg; SAR (10 g) = 0.368 W/kg

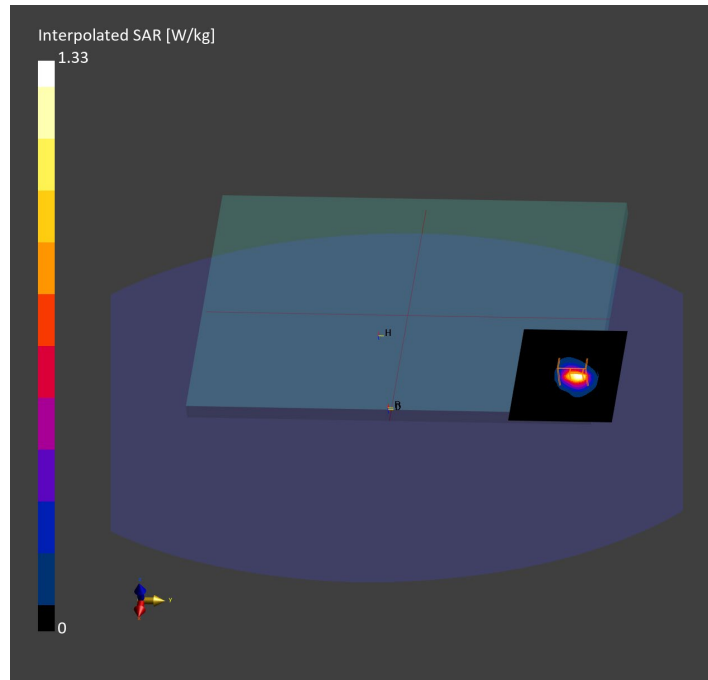
Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement grid: 5.0 mm x 5.0 mm x 1.5 mm

Power Drift = -0.02 dB

SAR(1 g) = 0.984 W/kg; SAR(10 g) = 0.389 W/kg

Smallest distance from peaks to all points 3 dB below = 7.1

Ratio of SAR at M2 to SAR at M1 = 75.8



Test Laboratory: DEKRA

Date: 2025-04-07

5_Bluetooth_BT-1M_CH39_Back(PAD)_0mm_Ant Aux

Communication System: UID 10032-CAA, Bluetooth; Frequency: 2441.000 MHz

Medium parameters used: $f = 2441.000$ MHz; Conductivity = 1.78 S/m; Permittivity = 40.1

Phantom section: Flat

DASY Configuration:

- Probe: EX3DV4 - SN7784; ConvF(6.73, 6.93, 6.69); Calibrated: 2024-04-22
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1791; Calibrated: 2024-04-22
- Phantom: ELI V8.0 (20deg probe tilt)
- Measurement SW: V16.4.0.5005

Area Scan (90.0 mm x 80.0 mm): Measurement grid: 10.0 mm x 10.0 mm

SAR (1 g) = 0.192 W/kg; SAR (10 g) = 0.078 W/kg

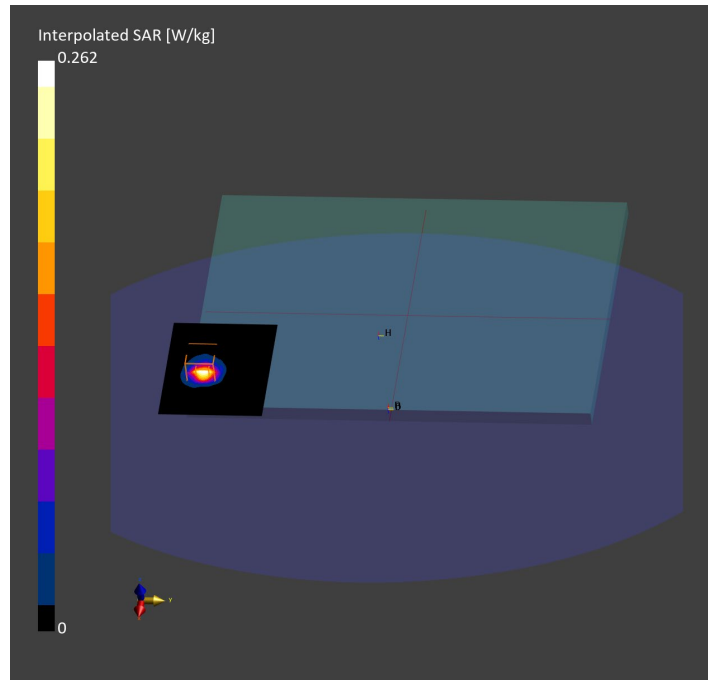
Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement grid: 5.0 mm x 5.0 mm x 1.5 mm

Power Drift = 0.02 dB

SAR(1 g) = 0.215 W/kg; SAR(10 g) = 0.084 W/kg

Smallest distance from peaks to all points 3 dB below = 6.5

Ratio of SAR at M2 to SAR at M1 = 77.4



Test Laboratory: DEKRA

Date: 2025-04-08

34_WLAN5GHz_802.11ac80-VHT0_CH58_Back(PAD)_0mm_Ant Main

Communication System: UID 10544-AAD, WLAN; Frequency: 5290.000 MHz

Medium parameters used: $f = 5290.000$ MHz; Conductivity = 4.72 S/m; Permittivity = 35.7

Phantom section: Flat

DASY Configuration:

- Probe: EX3DV4 - SN7784; ConvF(5.09, 5.24, 5.17); Calibrated: 2024-04-22
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1791; Calibrated: 2024-04-22
- Phantom: ELI V8.0 (20deg probe tilt)
- Measurement SW: V16.4.0.5005

Area Scan (100.0 mm x 90.0 mm): Measurement grid: 10.0 mm x 10.0 mm

SAR (1 g) = 0.871 W/kg; SAR (10 g) = 0.223 W/kg

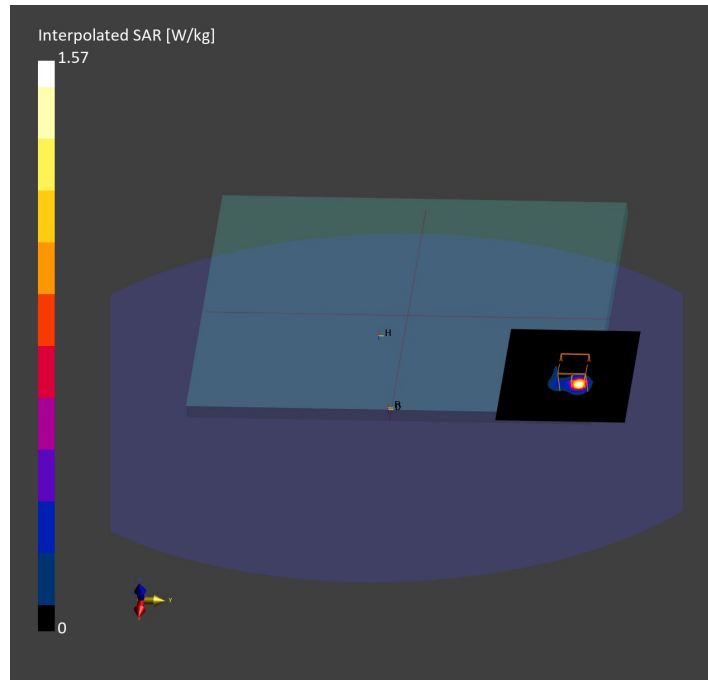
Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement grid: 4.0 mm x 4.0 mm x 1.4 mm

Power Drift = 0.04 dB

SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.247 W/kg

Smallest distance from peaks to all points 3 dB below = 4.4

Ratio of SAR at M2 to SAR at M1 = 65.1



Test Laboratory: DEKRA

Date: 2025-04-09

35_WLAN5GHz_802.11ac80-VHT0_CH106_Back(PAD)_0mm_Ant Main

Communication System: UID 10544-AAD, WLAN; Frequency: 5530.000 MHz

Medium parameters used: $f = 5530.000$ MHz; Conductivity = 5.05 S/m; Permittivity = 35.0

Phantom section: Flat

DASY Configuration:

- Probe: EX3DV4 - SN7784; ConvF(4.41, 4.5, 4.47); Calibrated: 2024-04-22
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1791; Calibrated: 2024-04-22
- Phantom: ELI V8.0 (20deg probe tilt)
- Measurement SW: V16.4.0.5005

Area Scan (80.0 mm x 90.0 mm): Measurement grid: 10.0 mm x 10.0 mm

SAR (1 g) = 0.904 W/kg; SAR (10 g) = 0.230 W/kg

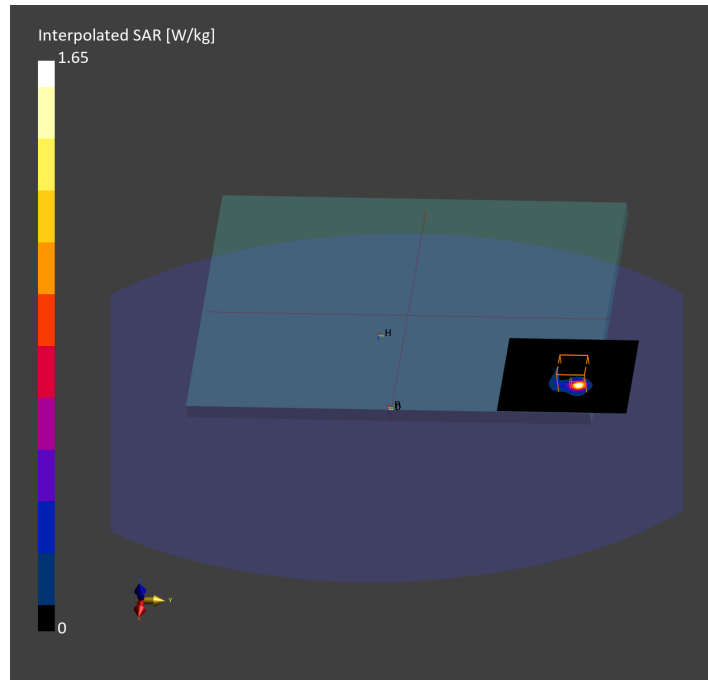
Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement grid: 4.0 mm x 4.0 mm x 1.4 mm

Power Drift = 0.03 dB

SAR(1 g) = 0.953 W/kg; SAR(10 g) = 0.239 W/kg

Smallest distance from peaks to all points 3 dB below = 5.1

Ratio of SAR at M2 to SAR at M1 = 64.2



Test Laboratory: DEKRA

Date: 2025-04-09

14_WLAN5GHz_802.11ac80-VHT0_CH155_Back(PAD)_0mm_Ant Main

Communication System: UID 10544-AAD, WLAN; Frequency: 5775.000 MHz

Medium parameters used: $f = 5775.000$ MHz; Conductivity = 5.37 S/m; Permittivity = 34.4

Phantom section: Flat

DASY Configuration:

- Probe: EX3DV4 - SN7784; ConvF(4.47, 4.6, 4.54); Calibrated: 2024-04-22
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1791; Calibrated: 2024-04-22
- Phantom: ELI V8.0 (20deg probe tilt)
- Measurement SW: V16.4.0.5005

Area Scan (80.0 mm x 90.0 mm): Measurement grid: 10.0 mm x 10.0 mm

SAR (1 g) = 0.963 W/kg; SAR (10 g) = 0.257 W/kg

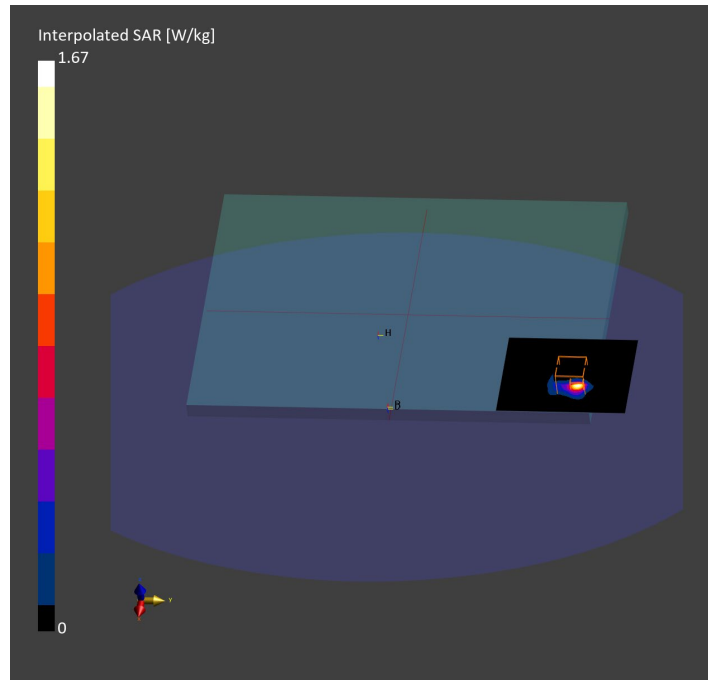
Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement grid: 4.0 mm x 4.0 mm x 1.4 mm

Power Drift = -0.11 dB

SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.282 W/kg

Smallest distance from peaks to all points 3 dB below = 4.9

Ratio of SAR at M2 to SAR at M1 = 60.9



Test Laboratory: DEKRA

Date: 2025-03-20

6_WLAN6GHz_802.11ax160-HE0_CH15_Back(PAD)_0mm_Ant Main

Communication System: UID 10755-AAC, WLAN; Frequency: 6025.000 MHz

Medium parameters used: $f = 6025.000$ MHz; Conductivity = 5.35 S/m; Permittivity = 36.2

Phantom section: Flat

DASY Configuration:

- Probe: EX3DV4 - SN7784; ConvF(4.71, 4.83, 4.78); Calibrated: 2024-04-22
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1791; Calibrated: 2024-04-22
- Phantom: ELI V8.0 (20deg probe tilt)
- Measurement SW: V16.4.0.5005

Area Scan (85.0 mm x 85.0 mm): Measurement grid: 8.5 mm x 8.5 mm

SAR (1 g) = 0.484 W/kg; SAR (10 g) = 0.140 W/kg

Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement grid: 3.4 mm x 3.4 mm x 1.4 mm

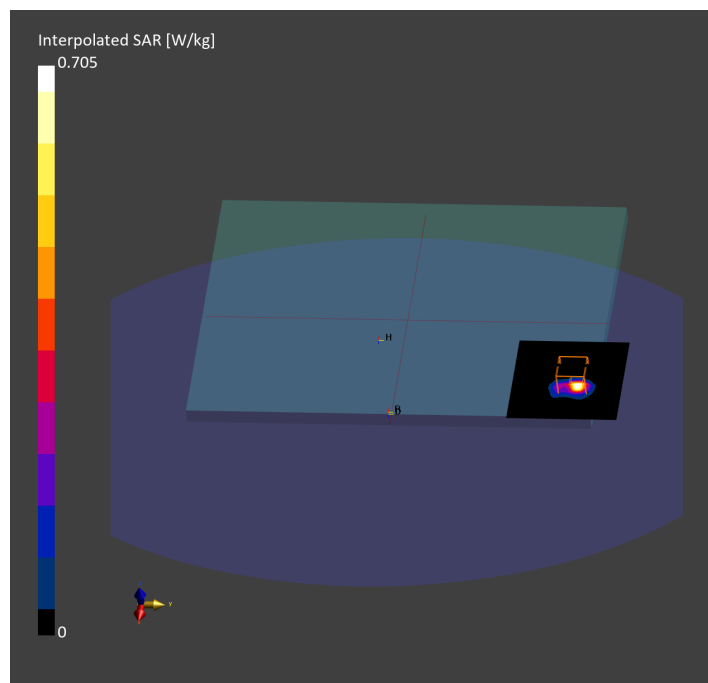
Power Drift = -0.13 dB

SAR(1 g) = 0.572 W/kg; SAR(10 g) = 0.165 W/kg

psAPD (4.0cm², sq) = 3.78 W/m²

Smallest distance from peaks to all points 3 dB below = 5.7

Ratio of SAR at M2 to SAR at M1 = 56.0



7_WLAN6GHz_802.11ax160-HE0_CH111_Back(PAD)_0mm_Ant Main

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
N25H7	312.0 x 231.0 x 12.0		Laptop

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	FRONT, 2.00	U-NII-6	WLAN, 10755-AAC	6505.0, 111	1.0

Hardware Setup

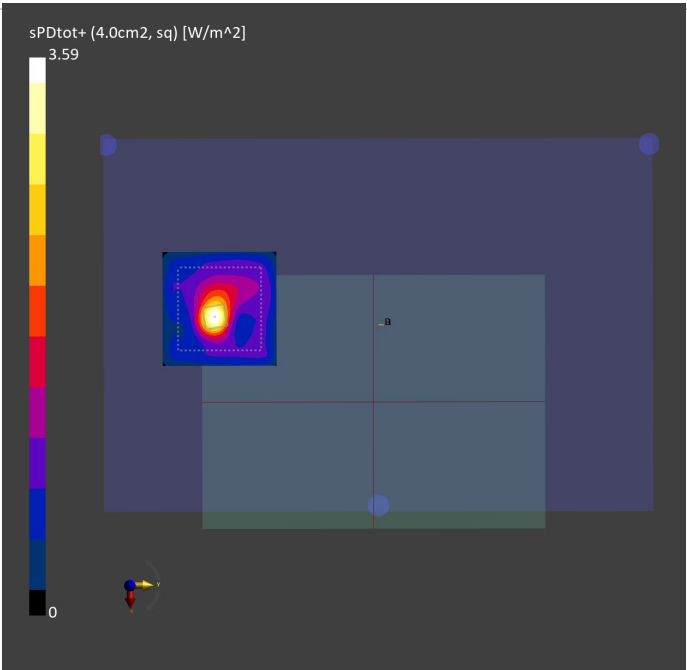
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1068	---Air	EUmmWV4 - SN9546_F1-55GHz, 2024-04-18	DAE4 Sn1651, 2025-02-12

Scan Setup

	5G Scan
Grid Extents [mm]	100.0 x 100.0
Grid Steps [lambda]	0.05 x 0.05
Sensor Surface [mm]	2.0
MAIA	Y

Measurement Results

	5G Scan
Date	2025-03-21
Avg. Area [cm²]	4.00
psPDn+ [W/m²]	3.37
psPDtot+ [W/m²]	3.59
psPDmod+ [W/m²]	3.98
E _{max} [V/m]	53.1
Power Drift [dB]	-0.17



SAR Measurement Variability

Test Laboratory: DEKRA

Date: 2025-04-07

60_WLAN2.4GHz_802.11b-1M_CH1_Back(PAD)_0mm_Ant Main_Verify

Communication System: UID 10415-AAA, WLAN; Frequency: 2412.000 MHz

Medium parameters used: $f = 2412.000$ MHz; Conductivity = 1.74 S/m; Permittivity = 40.2

Phantom section: Flat

DASY Configuration:

- Probe: EX3DV4 - SN7784; ConvF(6.73, 6.93, 6.69); Calibrated: 2024-04-22
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1791; Calibrated: 2024-04-22
- Phantom: ELI V8.0 (20deg probe tilt)
- Measurement SW: V16.4.0.5005

Area Scan (80.0 mm x 80.0 mm): Measurement grid: 10.0 mm x 10.0 mm

SAR (1 g) = 0.901 W/kg; SAR (10 g) = 0.349 W/kg

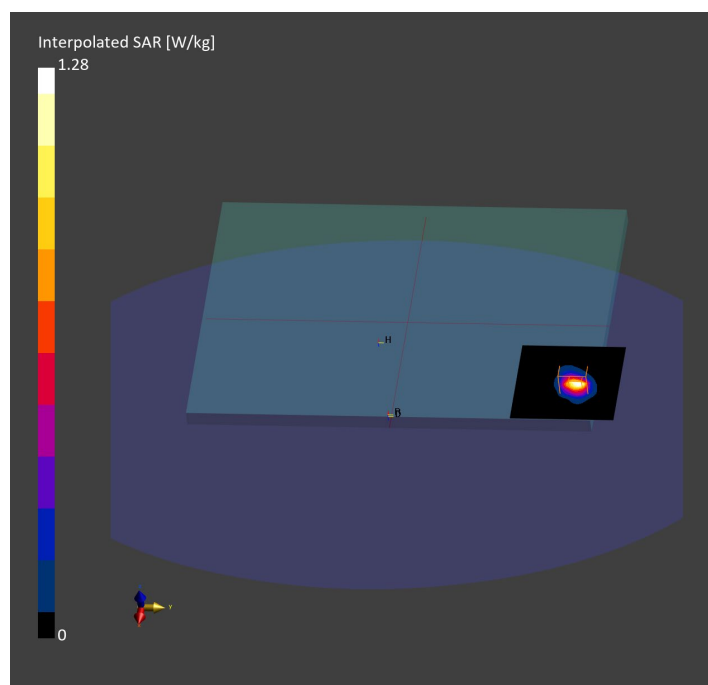
Zoom Scan (30.0 mm x 30.0 mm x 30.0 mm): Measurement grid: 5.0 mm x 5.0 mm x 1.5 mm

Power Drift = -0.11 dB

SAR(1 g) = 0.956 W/kg; SAR(10 g) = 0.371 W/kg

Smallest distance from peaks to all points 3 dB below = 7.1

Ratio of SAR at M2 to SAR at M1 = 77.7



Test Laboratory: DEKRA

Date: 2025-04-09

38_WLAN5GHz_802.11ac80-VHT0_CH155_Back(PAD)_0mm_Ant Main_Verify

Communication System: UID 10544-AAD, WLAN; Frequency: 5775.000 MHz

Medium parameters used: $f = 5775.000$ MHz; Conductivity = 5.37 S/m; Permittivity = 34.4

Phantom section: Flat

DASY Configuration:

- Probe: EX3DV4 - SN7784; ConvF(4.47, 4.6, 4.54); Calibrated: 2024-04-22
- Sensor-Surface: 1.4 mm
- Electronics: DAE4 Sn1791; Calibrated: 2024-04-22
- Phantom: ELI V8.0 (20deg probe tilt)
- Measurement SW: V16.4.0.5005

Area Scan (80.0 mm x 90.0 mm): Measurement grid: 10.0 mm x 10.0 mm

SAR (1 g) = 0.900 W/kg; SAR (10 g) = 0.246 W/kg

Zoom Scan (22.0 mm x 22.0 mm x 22.0 mm): Measurement grid: 4.0 mm x 4.0 mm x 1.4 mm

Power Drift = -0.06 dB

SAR(1 g) = 0.986 W/kg; SAR(10 g) = 0.276 W/kg

Smallest distance from peaks to all points 3 dB below = 5.6

Ratio of SAR at M2 to SAR at M1 = 60.7

