

P10 WLAN UNII-5_802.11ax160_Rear Face_15mm_Ch79_Ant6+4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BFLF-WTW-P20120540	172.0 x 78.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Rear Face, 15.00	U-NII-5	WLAN, 10743-AAB	6345.0	5.7	6.01	34.3

Hardware Setup

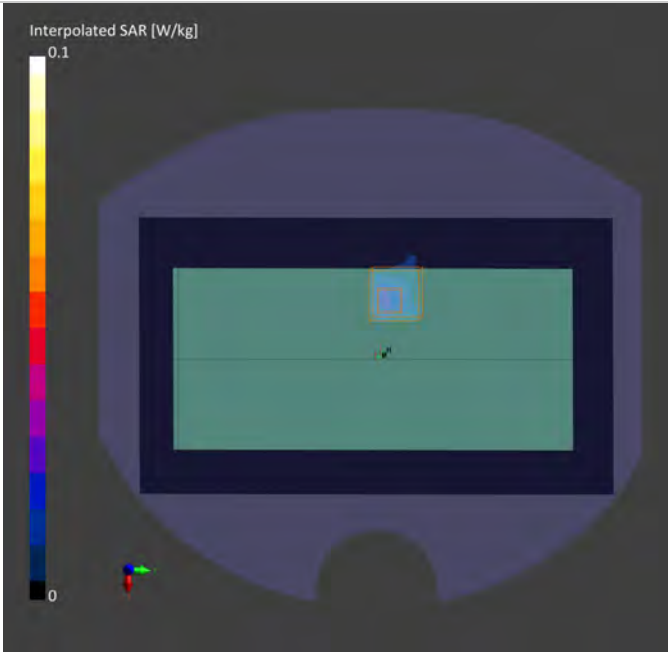
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1982	HBBL-600-10000 , 2021-Jan-29	EX3DV4 - SN3650, 2020-03-25	DAE4 Sn861, 2020-05-27

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	119.0 x 204.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2021-02-01	2021-02-01
psSAR1g [W/Kg]	0.020	0.024
psSAR10g [W/Kg]	0.006	0.007
Power Drift [dB]	0.13	0.12
M2/M1 [%]		44.7
Dist 3dB Peak [mm]		> 11.0



P11 WLAN UNII-5_802.11ax HE160_Rear Face_0mm_Ch47_Ant6

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BFLF-WTW-P20120540	172.0 x 78.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Rear Face, 0.00	U-NII-5	WLAN, 10743-AAB	6185	5.7	5.62	34.3

Hardware Setup

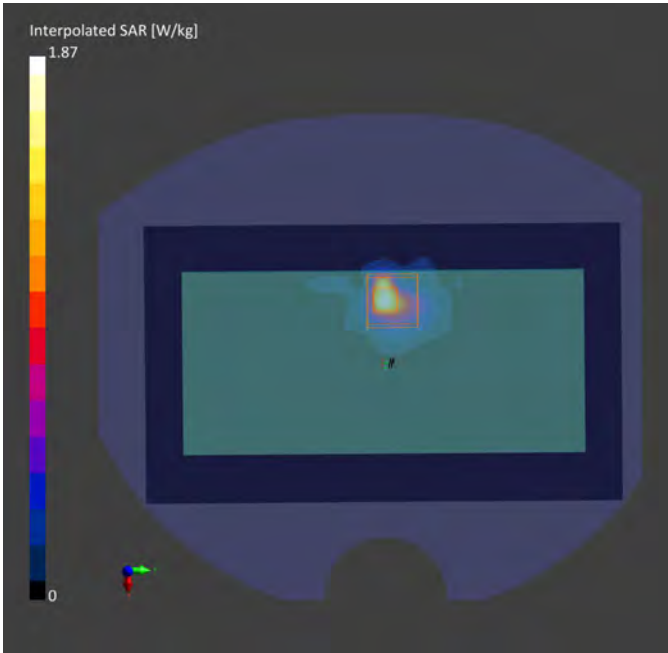
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1982	HBBL-600-10000 Charge:xxxx, 2021-Mar-19	EX3DV4 - SN7472, 2020-08-24	DAE4 Sn1585, 2020-05-28

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	119.0 x 204.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	2.7 x 2.7 x 1.2
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2021-03-19	2021-03-19
psSAR1g [W/Kg]	1.23	1.70
psSAR10g [W/Kg]	0.331	0.377
Power Drift [dB]	-0.15	-0.15
M2/M1 [%]		57.3
Dist 3dB Peak [mm]		3.3



P12 WLAN UNII-5_802.11ax HE160_Rear Face_15mm_Ch47_Ant3

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BFLF-WTW-P20120540	172.0 x 78.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Rear Face, 0.00	U-NII-5	WLAN, 10743-AAB	6185	5.7	5.62	34.3

Hardware Setup

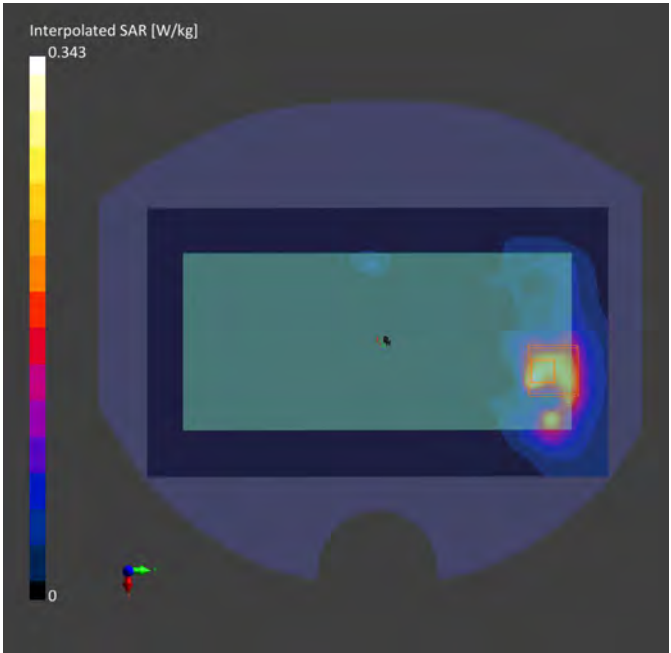
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1982	HBBL-600-10000 Charge:xxxx, 2021-Mar-19	EX3DV4 - SN7472, 2020-08-24	DAE4 Sn1585, 2020-05-28

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	119.0 x 204.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2021-03-18	2021-03-18
psSAR1g [W/Kg]	0.224	0.297
psSAR10g [W/Kg]	0.083	0.097
Power Drift [dB]	-0.18	-0.18
M2/M1 [%]		55.0
Dist 3dB Peak [mm]		4.3



P13 WLAN UNII-5_802.11ax HE160_Rear Face_0mm_Ch47_Ant4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BFLF-WTW-P20120540	172.0 x 78.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Rear Face, 0.00	U-NII-5	WLAN, 10743-AAB	6185	5.7	5.62	34.3

Hardware Setup

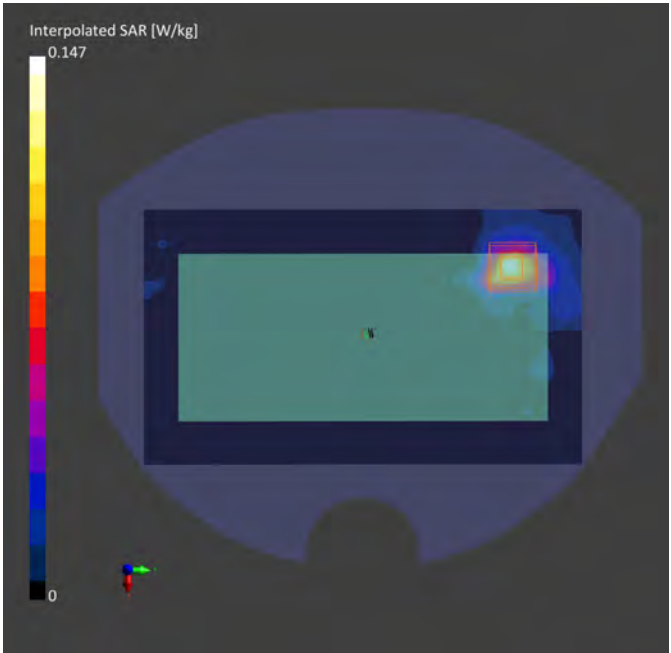
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1982	HBBL-600-10000 Charge:xxxx, 2021-Mar-19	EX3DV4 - SN7472, 2020-08-24	DAE4 Sn1585, 2020-05-28

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	119.0 x 204.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2021-03-19	2021-03-19
psSAR1g [W/Kg]	0.102	0.128
psSAR10g [W/Kg]	0.033	0.037
Power Drift [dB]	-0.11	-0.11
M2/M1 [%]		48.7
Dist 3dB Peak [mm]		4.8



P14 WLAN UNII-5_802.11ax160_Rear Face_0mm_Ch47_Ant6+3

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BFLF-WTW-P20120540	172.0 x 78.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Rear Face, 0.00	U-NII-5	WLAN, 10743-AAB	6185.0	5.7	5.63	34.9

Hardware Setup

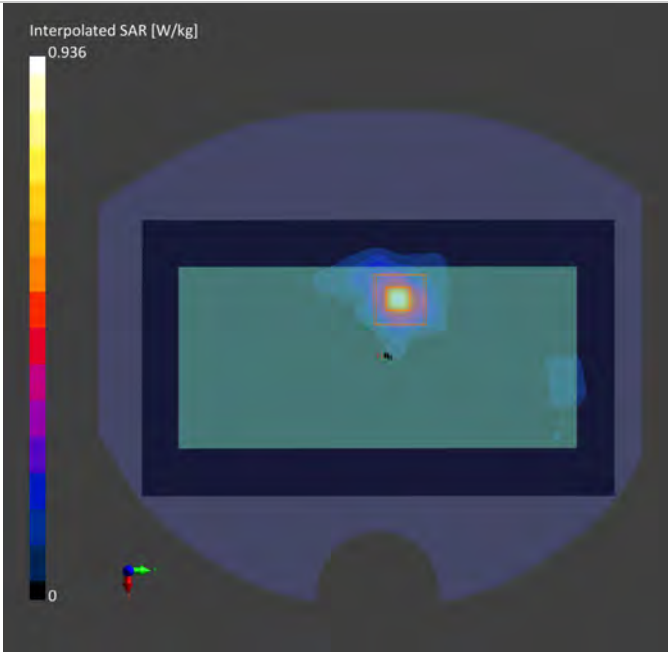
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1982	HBBL-600-10000 , 2021-Feb-01	EX3DV4 - SN3650, 2020-03-25	DAE4 Sn861, 2020-05-27

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	119.0 x 204.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2021-02-01	2021-02-01
psSAR1g [W/Kg]	0.566	0.715
psSAR10g [W/Kg]	0.160	0.191
Power Drift [dB]	-0.15	-0.12
M2/M1 [%]		51.0
Dist 3dB Peak [mm]		4.8



P15 WLAN UNII-5_802.11ax160_Rear Face_0mm_Ch79_Ant6+4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BFLF-WTW-P20120540	172.0 x 78.0 x 8.0		Phone

Exposure Conditions

Phantom Section, TSL	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor	TSL Conductivity [S/m]	TSL Permittivity
Flat, HSL	Rear Face, 0.00	U-NII-5	WLAN, 10743-AAB	6345.0	5.7	6.01	34.3

Hardware Setup

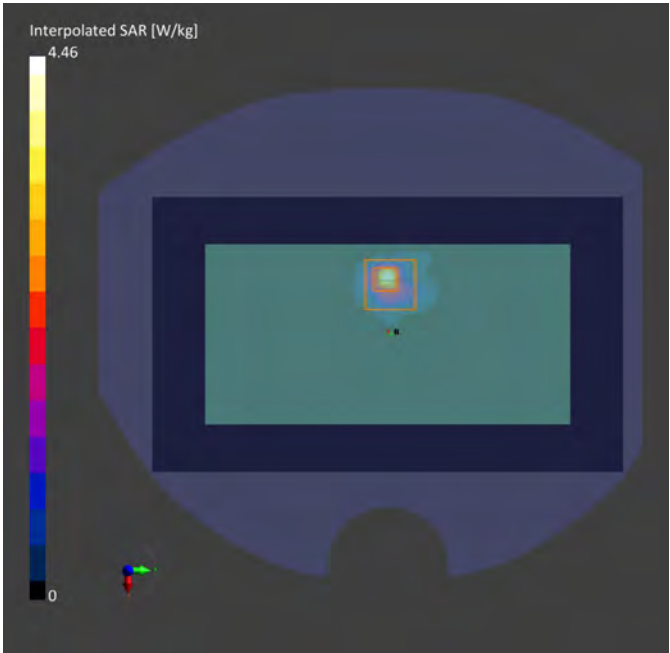
Phantom	TSL, Measured Date	Probe, Calibration Date	DAE, Calibration Date
Twin-SAM V8.0 (30deg probe tilt) - 1982	HBBL-600-10000 , 2021-Feb-01	EX3DV4 - SN3650, 2020-03-25	DAE4 Sn861, 2020-05-27

Scan Setup

	Area Scan	Zoom Scan
Grid Extents [mm]	119.0 x 204.0	22.0 x 22.0 x 22.0
Grid Steps [mm]	8.5 x 8.5	3.4 x 3.4 x 1.4
Sensor Surface [mm]	3.0	1.4

Measurement Results

	Area Scan	Zoom Scan
Date	2021-02-01	2021-02-01
psSAR1g [W/Kg]	0.565	0.637
psSAR10g [W/Kg]	0.135	0.140
Power Drift [dB]	-0.07	-0.12
M2/M1 [%]		51.8
Dist 3dB Peak [mm]		2.8



Appendix M-1 WIFI6E PD Plots of SAR Measurement

P01 WLAN UNII-5_802.11axHE160_Right Cheek_0mm_Ch79_Ant6

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BFLF-WTW-P20120540	172.0 x 77.9 x 8.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	Front Face, 0.00		CW	6345.0	1.0

Hardware Setup

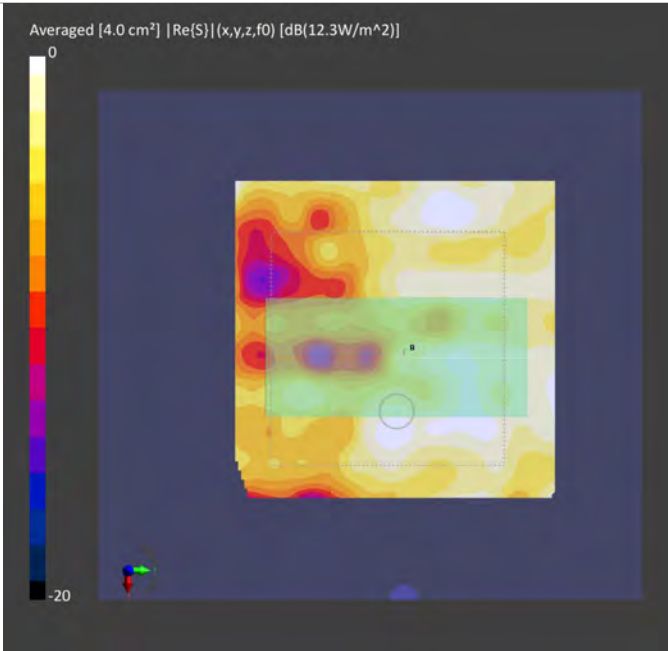
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1029	--Air-	EUmmWV4 - SN9454_F1-78GHz, 2020-09-24	DAE4 Sn1585, 2020-05-28

Scan Setup

	5G Scan
Grid Extents [mm]	120.0 x 120.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Date	2021-03-23
Avg. Area [cm²]	4.00
psPDn+ [W/m²]	0.615
psPDtot+ [W/m²]	0.817
E _{max} [V/m]	41.8
Power Drift [dB]	0.12



P02 WLAN UNII-5_802.11axHE160_Right Cheek_0mm_Ch79_Ant3

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BFLF-WTW-P20120540	172.0 x 77.9 x 8.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	Front Face, 0.00		CW	6345.0	1.0

Hardware Setup

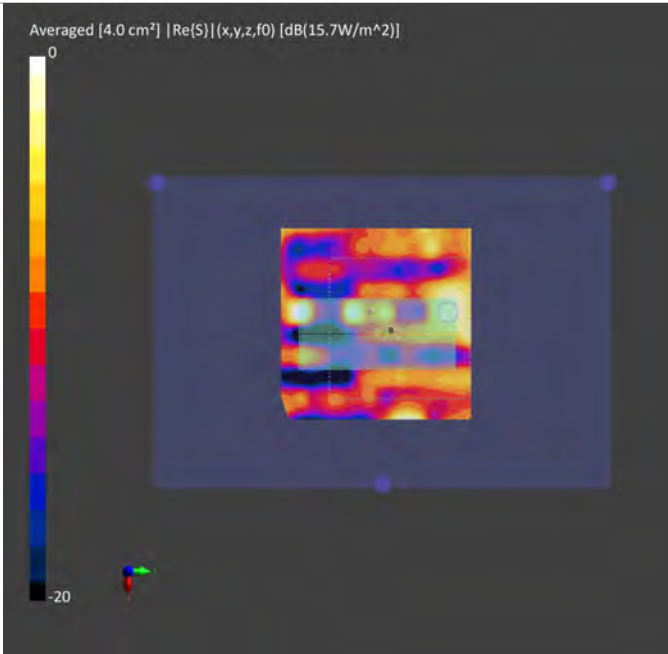
Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1029	--Air-	EUmmWV4 - SN9454_F1-78GHz, 2020-09-24	DAE4 Sn1585, 2020-05-28

Scan Setup

	5G Scan
Grid Extents [mm]	120.0 x 120.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Date	2021-03-23
Avg. Area [cm²]	4.00
psPDn+ [W/m²]	0.852
psPDtot+ [W/m²]	1.36
E _{max} [V/m]	45.7
Power Drift [dB]	-0.18



P03 WLAN UNII-5_802.11axHE160_Right Cheek_0mm_Ch79_Ant4

Device under Test Properties

Model, Manufacturer	Dimensions [mm]	IMEI	DUT Type
BFLF-WTW-P20120540	172.0 x 77.9 x 8.0		Phone

Exposure Conditions

Phantom Section	Position, Test Distance [mm]	Band	Group, UID	Frequency [MHz], Channel Number	Conversion Factor
5G Air	Front Face, 0.00		CW	6345.0	1.0

Hardware Setup

Phantom	Medium	Probe, Calibration Date	DAE, Calibration Date
mmWave- 1029	--Air-	EUmmWV4 - SN9454_F1-78GHz, 2020-09-24	DAE4 Sn1585, 2020-05-28

Scan Setup

	5G Scan
Grid Extents [mm]	120.0 x 120.0
Grid Steps [lambda]	0.25 x 0.25
Sensor Surface [mm]	2.0

Measurement Results

	5G Scan
Date	2021-03-23
Avg. Area [cm²]	4.00
psPDn+ [W/m²]	0.794
psPDtot+ [W/m²]	1.55
E _{max} [V/m]	50.1
Power Drift [dB]	-0.11

