

Appendix B

Detailed Test Results

1.	WIFI
	WIFI 2.4G
	WIFI 5G
2.	BT
	BT

Test Laboratory: SGS-SAR Lab

XF-DX-B282E Wifi2.4G 802.11B 11CH Back side open 0mm

DUT: XF-DX-B282E; Type: IFLYTEK Smart Recorder; Serial: XFDXB282EE19000111

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2462 MHz;Duty Cycle: 1:1.109

Medium: HSL2450;Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 1.81 \text{ S/m}$; $\epsilon_r = 38.28$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7767; ConvF(8.36, 7.75, 8.29); Calibrated: 2023/10/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1324; Calibrated: 2023/12/8
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (8x16x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$
Maximum value of SAR (measured) = 1.13 W/kg

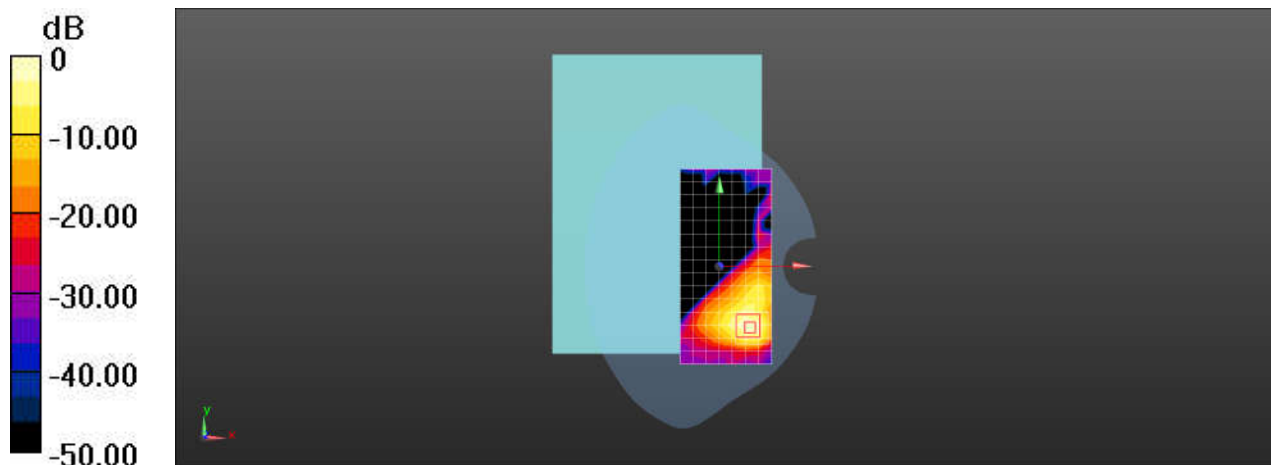
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 0 V/m ; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 2.52 W/kg

SAR(1 g) = 0.914 W/kg ; SAR(10 g) = 0.410 W/kg

Maximum value of SAR (measured) = 1.48 W/kg



$0 \text{ dB} = 1.13 \text{ W/kg} = 0.55 \text{ dBW/kg}$

Test Laboratory: SGS-SAR Lab

XF-DX-B282E Wifi5G 802.11ac 80M 42CH Back side open 0mm

DUT: XF-DX-B282E; Type: IFLYTEK Smart Recorder; Serial: XFDXB282EE19000111

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5210 MHz; Duty Cycle: 1:1

Medium: HSL5G; Medium parameters used: $f = 5210 \text{ MHz}$; $\sigma = 4.732 \text{ S/m}$; $\epsilon_r = 36.076$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7767; ConvF(6.01, 5.5, 5.93); Calibrated: 2023/10/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1324; Calibrated: 2023/12/8
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (10x20x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (measured) = 2.08 W/kg

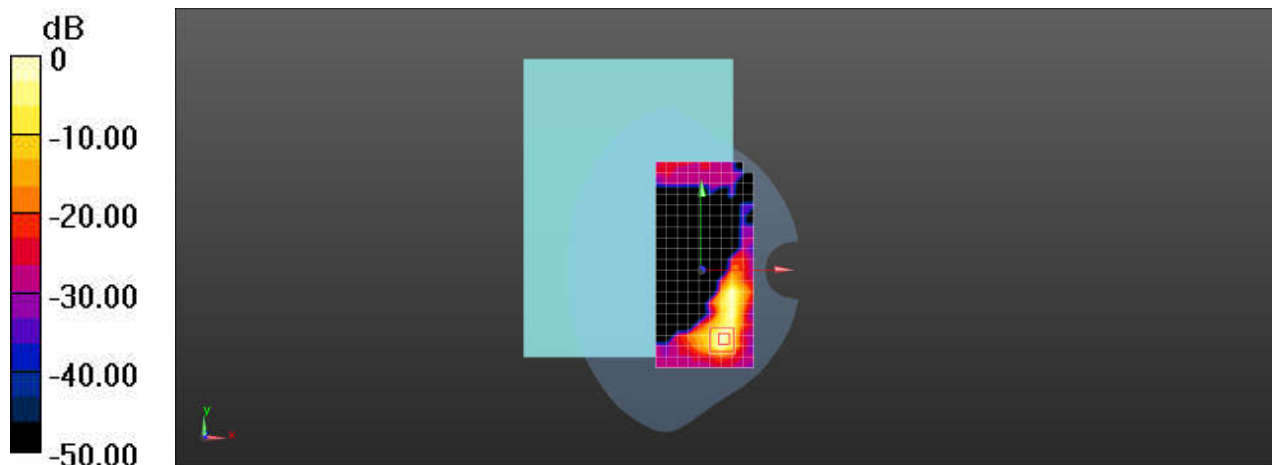
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$

Reference Value = 0 V/m ; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 5.56 W/kg

SAR(1 g) = 0.966 W/kg ; SAR(10 g) = 0.231 W/kg

Maximum value of SAR (measured) = 2.64 W/kg



$0 \text{ dB} = 2.08 \text{ W/kg} = 3.17 \text{ dBW/kg}$

Test Laboratory: SGS-SAR Lab

XF-DX-B282E Wifi5G 802.11ac 80M 155CH Back side open 0mm

DUT: XF-DX-B282E; Type: IFLYTEK Smart Recorder; Serial: XFDXB282EE19000111

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5775 MHz; Duty Cycle: 1:1

Medium: HSL5G; Medium parameters used: $f = 5775 \text{ MHz}$; $\sigma = 5.311 \text{ S/m}$; $\epsilon_r = 34.707$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7767; ConvF(5.26, 4.79, 5.17); Calibrated: 2023/10/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1324; Calibrated: 2023/12/8
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (10x20x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
Maximum value of SAR (measured) = 2.88 W/kg

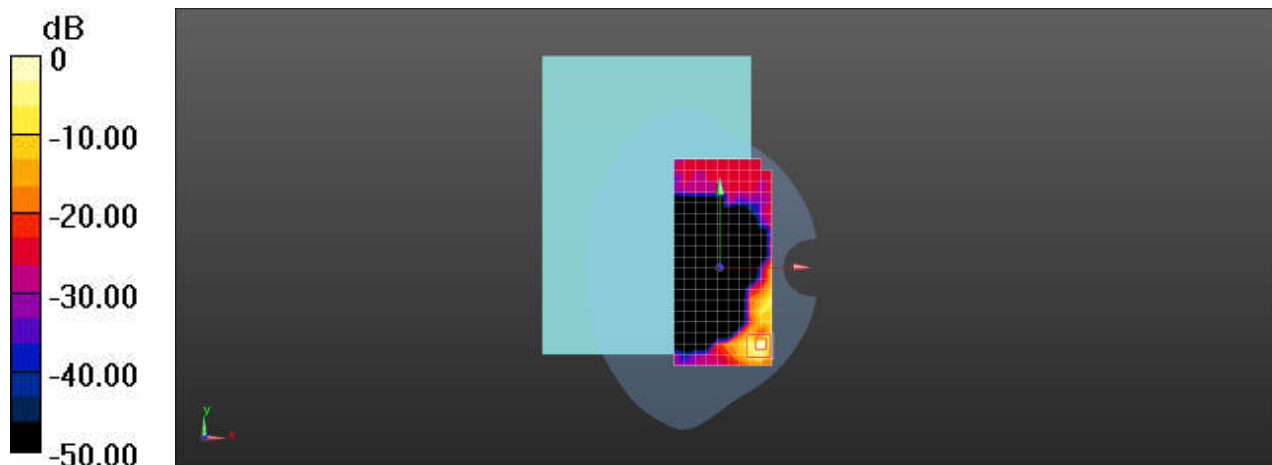
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$

Reference Value = 0 V/m ; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 6.08 W/kg

SAR(1 g) = 0.929 W/kg ; SAR(10 g) = 0.201 W/kg

Maximum value of SAR (measured) = 2.60 W/kg



$0 \text{ dB} = 2.88 \text{ W/kg} = 4.59 \text{ dBW/kg}$

Test Laboratory: SGS-SAR Lab

XF-DX-B282E Bluetooth 3DH5 39CH Back side open 0mm

DUT: XF-DX-B282E; Type: IFLYTEK Smart Recorder; Serial: XFDXB282EE19000111

Communication System: UID 0, Bluetooth (0); Frequency: 2441 MHz; Duty Cycle: 1:1.293

Medium: HSL2450; Medium parameters used: $f = 2441$ MHz; $\sigma = 1.794$ S/m; $\epsilon_r = 38.291$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY 5 Configuration:

- Probe: EX3DV4 - SN7767; ConvF(8.36, 7.75, 8.29); Calibrated: 2023/10/26
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1324; Calibrated: 2023/12/8
- Phantom: SAM 7; Type: SAM; Serial: 1702
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Configuration/Body/Area Scan (8x17x1): Measurement grid: dx=12mm, dy=12mm
Maximum value of SAR (measured) = 0.320 W/kg

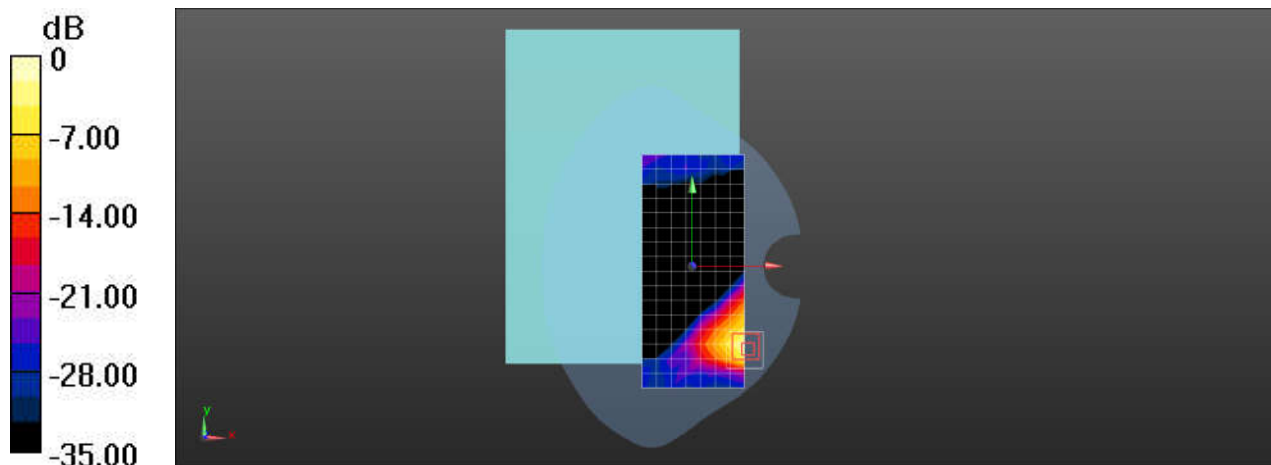
Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.600 W/kg

SAR(1 g) = 0.204 W/kg; SAR(10 g) = 0.080 W/kg

Maximum value of SAR (measured) = 0.385 W/kg



0 dB = 0.385 W/kg = -4.15 dBW/kg