Appendix B

Detailed Test Results

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

Date: 2024/8/9

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

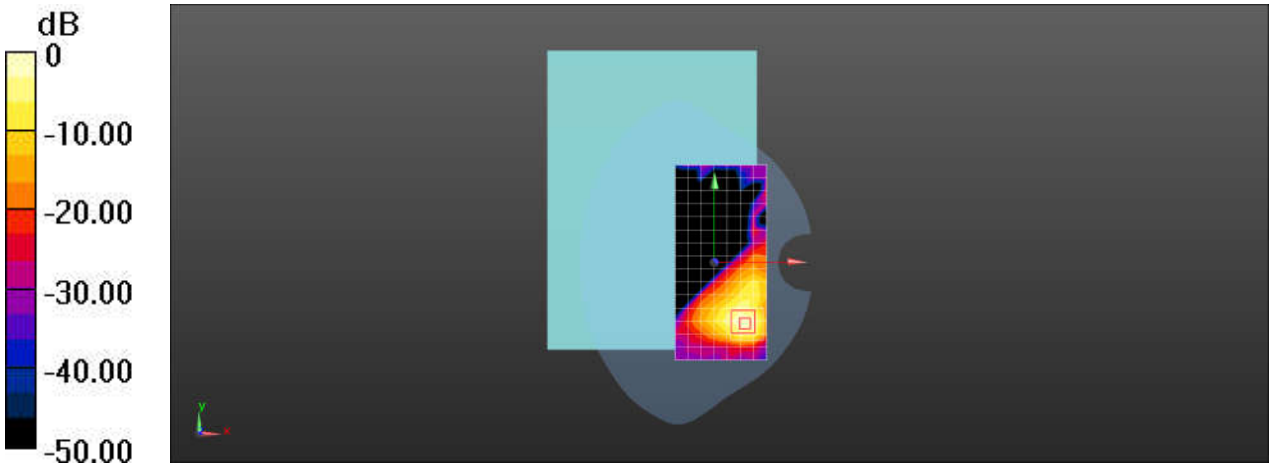
Medium: HSL2450;Medium parameters used: f = 2462 MHz; σ = 1.81 S/m; ε_r = 38.28; ρ = 1000 kg/m^3
Phantom section: Flat Section

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=12mm, dy=12mm
Maximum value of SAR (measured) = 1.13 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 0 V/m; Power Drift = 0.09 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 dB = 1.13 W/kg = 0.55 dBW/kg

Date: 2024/8/11

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

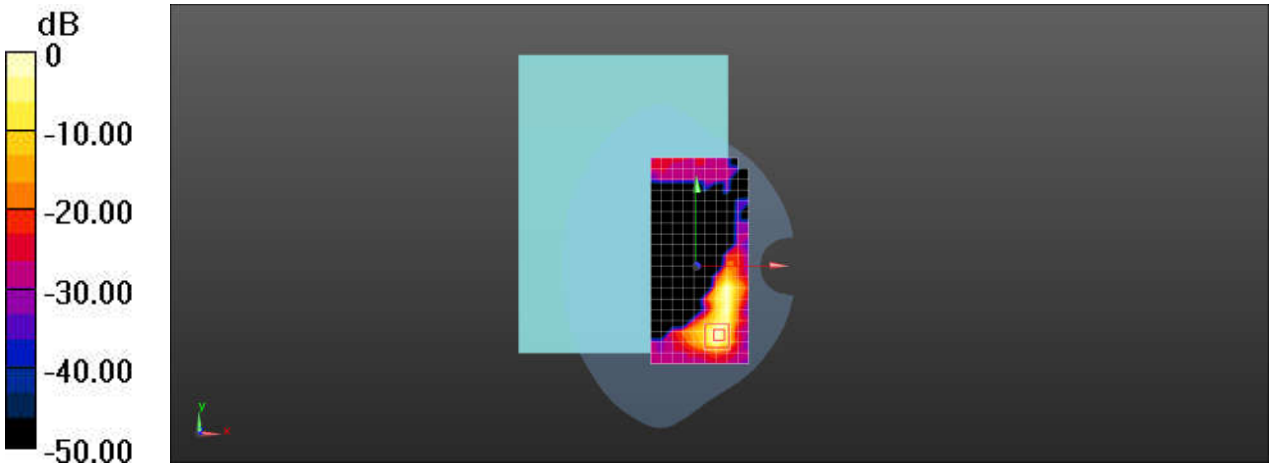
Medium: HSL5G;Medium parameters used: f = 5210 MHz; σ = 4.732 S/m; ε_r = 36.076; ρ = 1000 kg/m^3
Phantom section: Flat Section

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=10mm, dy=10mm
Maximum value of SAR (measured) = 2.08 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
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 dB = 2.08 W/kg = 3.17 dBW/kg

Date: 2024/8/13

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

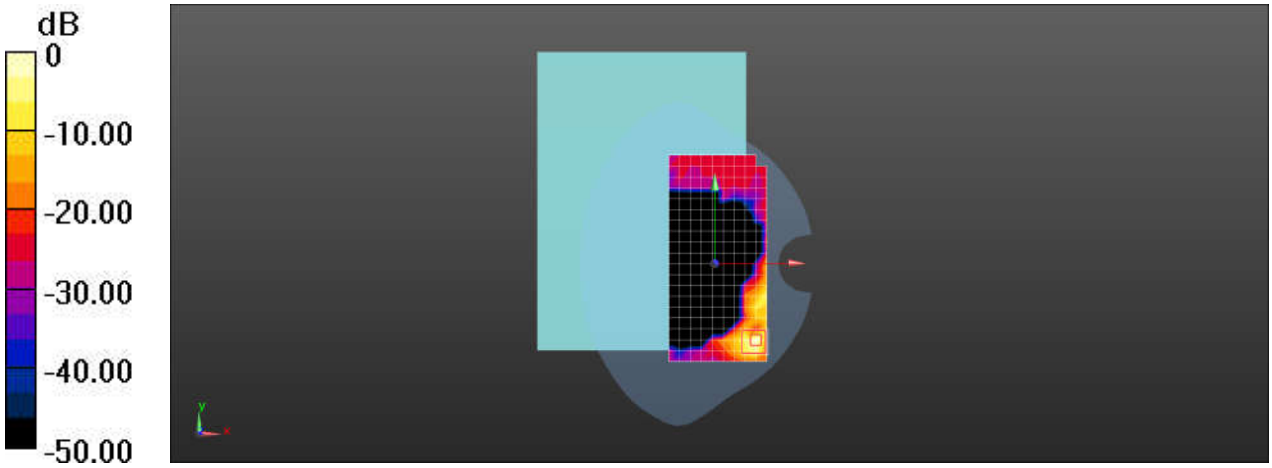
Medium: HSL5G;Medium parameters used: f = 5775 MHz; σ = 5.311 S/m; ε_r = 34.707; ρ = 1000 kg/m^3
Phantom section: Flat Section

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=10mm, dy=10mm
Maximum value of SAR (measured) = 2.88 W/kg

Configuration/Body/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm
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 dB = 2.88 W/kg = 4.59 dBW/kg

Date: 2024/8/9

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

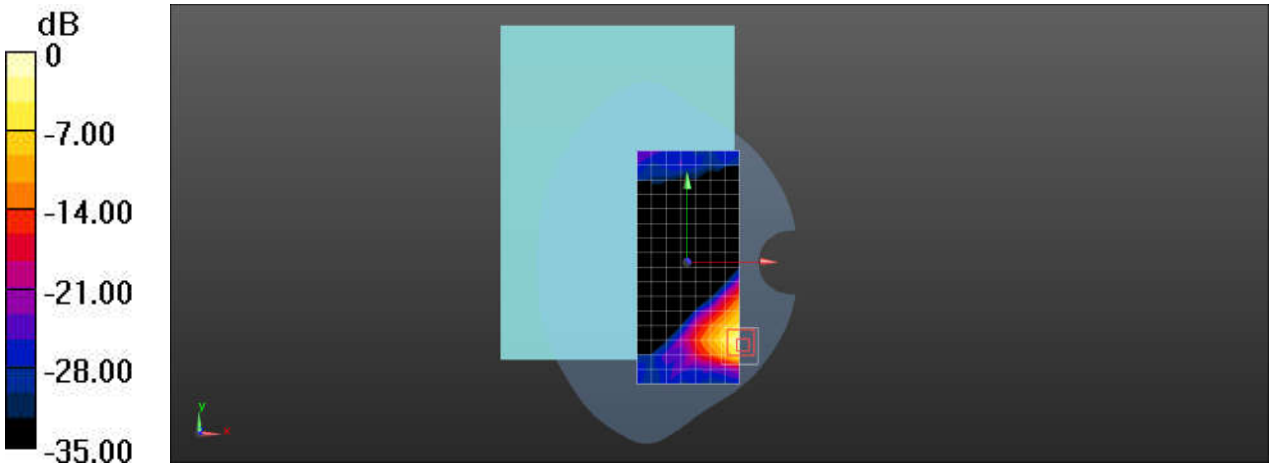
Medium: HSL2450;Medium parameters used: f = 2441 MHz; σ = 1.794 S/m; ε_r = 38.291; ρ = 1000 kg/m^3
Phantom section: Flat Section

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 (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