

Test Laboratory: BTL Inc.      Date: 2019/9/15

**System Check\_H5800\_0915**

**DUT: Dipole D5GHzV2;SN;1160;**

Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 5800 \text{ MHz}$ ;  $\sigma = 5.412 \text{ S/m}$ ;  $\epsilon_r = 34.837$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature :  $23.2 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $22.4 \text{ }^\circ\text{C}$

DASY Configuration:

- Probe: EX3DV4 - SN3685; ConvF(4.29, 4.29, 4.29) @ 5800 MHz; Calibrated: 2019/3/25
- Sensor-Surface:4mm (Mechanical Surface Detection),  $z = 1.0, 23.0$
- Electronics: DAE3 Sn420; Calibrated: 2019/6/21
- Phantom: SAM Front; Type: Twin SAM; Serial: 1896
- DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)

**Area Scan (6x6x1):** Interpolated grid:  $dx=10 \text{ mm}$ ,  $dy=10 \text{ mm}$   
Maximum value of SAR (interpolated) =  $19.1 \text{ W/kg}$

**Zoom Scan (7x7x12)/Cube 0:** Measurement grid:  $dx=4\text{mm}$ ,  $dy=4\text{mm}$ ,  $dz=2\text{mm}$   
Reference Value =  $59.86 \text{ V/m}$ ; Power Drift =  $-0.19 \text{ dB}$   
Peak SAR (extrapolated) =  $31.7 \text{ W/kg}$   
**SAR(1 g) =  $7.54 \text{ W/kg}$ ; SAR(10 g) =  $2.31 \text{ W/kg}$**   
Maximum value of SAR (measured) =  $19.0 \text{ W/kg}$

