







Validation Report for Body TSL of 5.6GHz	Validation Report for Body TSL of 5.8GHz
Test Laboratory: BTL Inc. Date: 2018/12/25+/	
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System Check_B5600_7396↔	System Check_B5800_7396⊷
DUT: Dipole D5GHzV2; <u>SN</u> :1160;+/	System Check_D3000_1330*
D01. Dipole D30h2v2, 30, 1100,"	DUT: Dipole D5GHzV2;SN;1160;
Communication System: UID 0, CW (0); Frequency: 5600 MHz; Duty Cycle: 1:1↓	
Medium parameters used: f = 5600 MHz; $\sigma$ = 5.947 S/m; $g_{c}$ = 47.073; $\rho$ = 996 kg/m^3 $\downarrow$	Communication System: UID 0, CW (0); Frequency: 5800 MHz; Duty Cycle: 1:1+
Ambient Temperature € 23.2 °C; Liquid Temperature € 22.5 °C+ <sup>J</sup>	Medium parameters used: f = 5800 MHz; σ = 6.239 S/m; g <sub>c</sub> = 46.673; ρ = 996 kg/m <sup>3</sup> ↓
DACY Configurations	Ambient Temperature ÷ 23.2 °C; Liquid Temperature ÷ 22.5 °C+
DASY Configuration:	DASY Configuration:+/
<ul> <li>Probe: EX3DV4 - SN7396; <u>ConvF</u>(4.38, 4.38, 4.38) @ 5600 MHz; Calibrated: 2018/5/29 ↔</li> </ul>	
<ul> <li>Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 23.0 ↔</li> </ul>	<ul> <li>Probe: EX3DV4 - SN7396; ConvE(4.5, 4.5, 4.5) @ 5800 MHz; Calibrated: 2018/5/29 e/</li> </ul>
<ul> <li>Electronics: DAE4 Sn1390; Calibrated: 2018/5/11 +/</li> </ul>	<ul> <li>Sensor-Surface: 2mm (Mechanical Surface Detection), z = 1.0, 23.0 ↔</li> </ul>
Phantom: SAM Right; Type: Twin SAM; Serial: 1896 ↔	Electronics: DAE4 Sn1390; Calibrated: 2018/5/11 +/
<ul> <li>DASY52 52.10.2(1495); SEMCAD X 14.6.12(7450)*<sup>3</sup></li> </ul>	<ul> <li>Phantom: SAM Right, Type: Twin SAM; Serial: 1896 ↔</li> <li>DASY52 52:10.2(1495); SEMCAD X 14.6.12(7450)↔</li> </ul>
	• DAS152 52.10.2(1455), SEMOAD X 14.0.12(1450)*
* Area Scan (6x6x1): Interpolated grid: dx=10 mm, dy=10 mm↓	1
Maximum value of SAR (interpolated) = 16.5 W/kg↓	Area Scan (6x5x1): Interpolated grid: dx=10 mm, dy=10 mm ↓
4	Maximum value of SAR (interpolated) = 16.6 W/kg↓
Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm+	+
Reference Value = 38.11 V/m; Power Drift = -0.17 dB $\downarrow$	Zoom Scan (7x7x12)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm↓
Peak SAR (extrapolated)=35.4 W/kg↓	Reference Value = 37.07 V/m; Power Drift = -0.19 dB↓
SAR(1 g) = 7.92 W/kg; SAR(10 g) = 2.2 W/kg↓	Peak SAR (extrapolated) = 35.6 W/kg↓ SAR(1 g) = 7.79 W/kg; SAR(10 g) = 2.16 W/kg↓
Maximum value of SAR (measured) = 17.2 W/kg	Maximum value of SAR (measured) = 16.9 W/kg
W/kg 17.200 13.760 10.320 6.880 3.440 0	Wkg 16.900 13.520 10.140 6.760 3.380 0

Calibrator: Rot - Liang

Approver: Herbert lin