# Appendix C – Highest Test Plots

Date: 2024/3/7

**NFC_PSK_Rear Face_0mm _Loop Ant**

**DUT: ZX80 PN7160 NFC Module**

Communication System: UID 0, NFC (0); Frequency: 13.56 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): f = 13.56 MHz; $\sigma$ = 0.731 S/m; $\varepsilon_r$ = 55.156; $\rho$ = 1000 kg/m$^3$
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5.2 Configuration:

- Area Scan setting - Find Secondary Maximum Within:2.0dB and with a peak SAR value greater than 0.5 W/Kg
- Probe: EX3DV4 - SN3677; ConvF(15.21, 15.21, 15.21) @ 13 MHz; Calibrated: 2023/7/20
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1253; Calibrated: 2023/12/7
- Phantom: ELI; Type: QD OVA 002 AA; Serial: 1175
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7501)

**Area Scan (81x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.0286 W/kg

**Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 0 V/m; Power Drift = 0.00 dB
Peak SAR (extrapolated) = 0.0680 W/kg
**SAR(1 g) = 0.017 W/kg; SAR(10 g) = 0.00593 W/kg** (SAR corrected for target medium)
Smallest distance from peaks to all points 3 dB below: Larger than measurement grid (> 20 mm)
Ratio of SAR at M2 to SAR at M1 = 21.6%
Maximum value of SAR (measured) = 0.0420 W/kg