


Test Report #:	SAR_IRHYT-007-17001_Appendix_A	FCC ID:	2AFBP-AT17G	
Date of Report:	2017-05-15	IC Cert. No.:	N/A	

Plot 1

Date/Time: 3/10/2017 3:26:21 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

DUT: iRhythm; Type: Remote Device; Serial: MEID-A1000042FE72D9

Communication System: UID 0, CDMA RC3 (0); Frequency: 836.52 MHz

Medium: MSL900_Batch 110614-1

Medium parameters used: $f = 837$ MHz; $\sigma = 0.981$ S/m; $\epsilon_r = 54.047$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: franz engert; Air Temperature: 23.2; Medium Temperature: 22; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3323; ConvF(6.14, 6.14, 6.14); Calibrated: 4/28/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 4/9/2014
- Phantom: SAM Rear; Type: QD000P40CD; Serial: TP:1637
- DASY52 52.8.8(1222);

Flat-Section/Back 0mm_case_836.5MHz/Area Scan (10x16x1): Measurement grid: $dx=12$ mm, $dy=12$ mm

Maximum value of SAR (measured) = 0.217 W/kg


Flat-Section/Back 0mm_case_836.5MHz/Zoom Scan (7x6x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

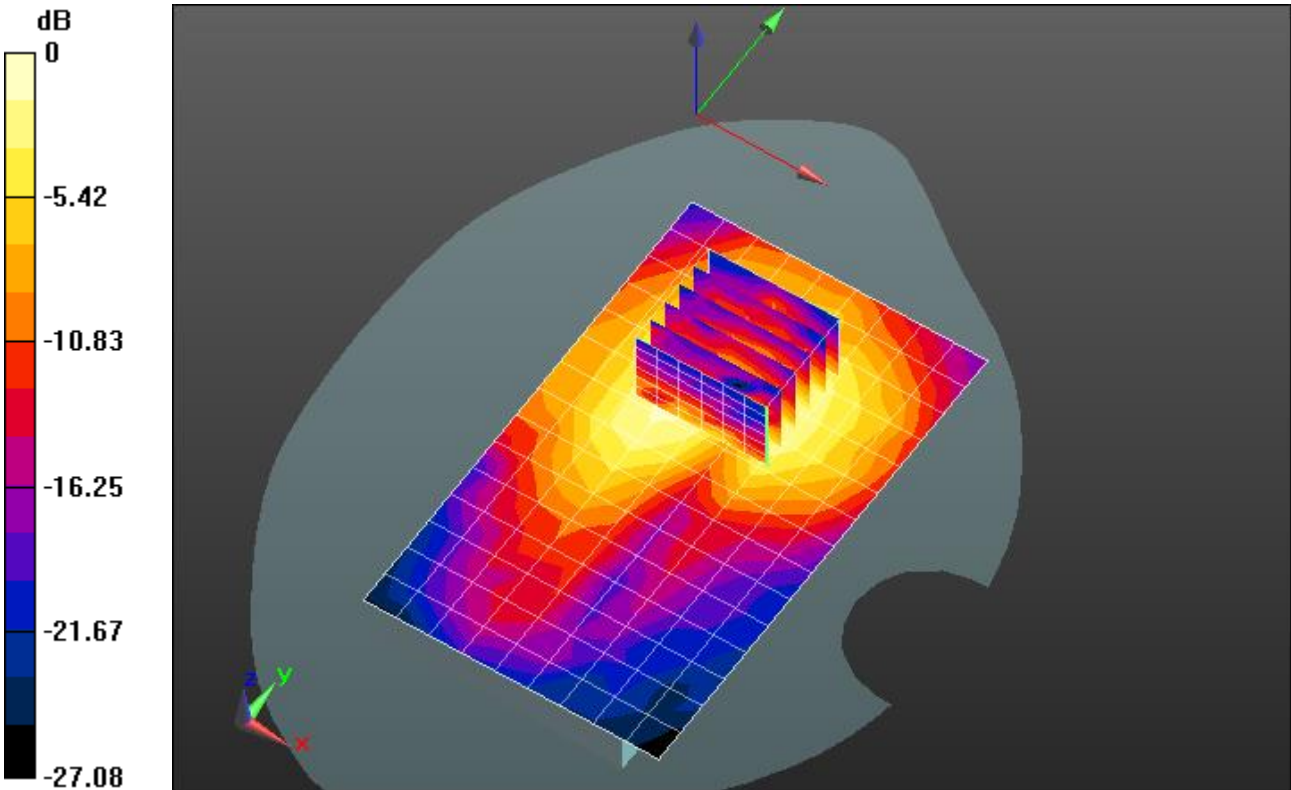
Reference Value = 13.42 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.449 W/kg


SAR(1 g) = 0.181 W/kg; SAR(10 g) = 0.126 W/kg

Maximum value of SAR (measured) = 0.212 W/kg

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0 dB = 0.217 W/kg = -6.64 dBW/kg

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Plot 2

Date/Time: 4/4/2017 3:41:05 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

DUT: iRhythm; Type: Remote Device; Serial: MEID-A1000042FE72D9

Communication System: UID 0, CDMA RC3 (0); Frequency: 1880 MHz

Medium: MSL1900_Batch 110615-4

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.512 \text{ S/m}$; $\epsilon_r = 51.599$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

Procedure Notes: Test Technician: Kathy; Air Temperature: 22.9C; Medium Temperature: 21.8C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3244; ConvF(4.81, 4.81, 4.81); Calibrated: 4/28/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1265; Calibrated: 5/11/2016
- Phantom: ELI v4.0_Front; Type: QDOVA001BB; Serial: 1124
- DASY52 52.8.8(1222);

Flat-Section 1/Back 0mm_case_1880MHz/Area Scan (10x16x1): Measurement grid: $dx=12\text{mm}$, $dy=12\text{mm}$

Maximum value of SAR (measured) = 0.736 W/kg

Flat-Section 1/Back 0mm_case_1880MHz/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

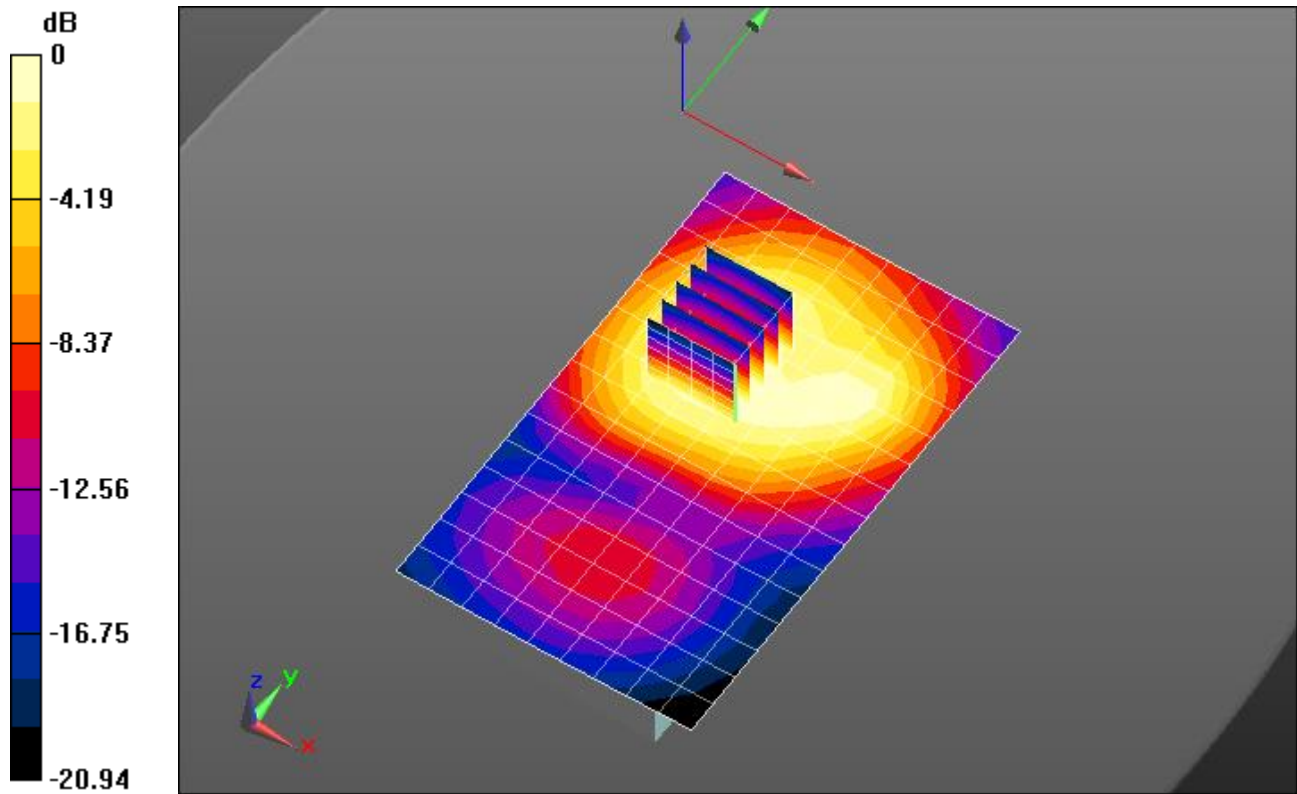
Reference Value = 21.91 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.888 W/kg


SAR(1 g) = 0.600 W/kg; SAR(10 g) = 0.396 W/kg

Maximum value of SAR (measured) = 0.695 W/kg

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0 dB = 0.736 W/kg = -1.33 dBW/kg

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Plot 3

Date/Time: 3/10/2017 1:28:44 PM

Test Laboratory: Cetecom Inc., SAR 3 Lab

DUT: Dipole 835 MHz - D835V2 - SN4d113_April 2016; Type: D835V2; Serial: D835V2 - SN:4d113

Communication System: UID 0, CW (0); Frequency: 835 MHz

Medium: MSL900_Batch 110614-1

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.977 \text{ S/m}$; $\epsilon_r = 54.073$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: Franz Engert; Air Temperature: 21.8; Medium Temperature: 21.1; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3323; ConvF(6.14, 6.14, 6.14); Calibrated: 4/28/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1266; Calibrated: 4/9/2014
- Phantom: SAM Rear; Type: QD000P40CC; Serial: TP:1638
- DASY52 52.8.8(1222);

System Performance Check/ $d=10\text{mm}$, $P_{in}=1\text{W}$, $dist=3.0\text{mm}$ (ES-Probe)/Area Scan

(4x4x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (measured) = 1.02 W/kg

System Performance Check/ $d=10\text{mm}$, $P_{in}=1\text{W}$, $dist=3.0\text{mm}$ (ES-Probe)/Zoom Scan (7x7x7)

(5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

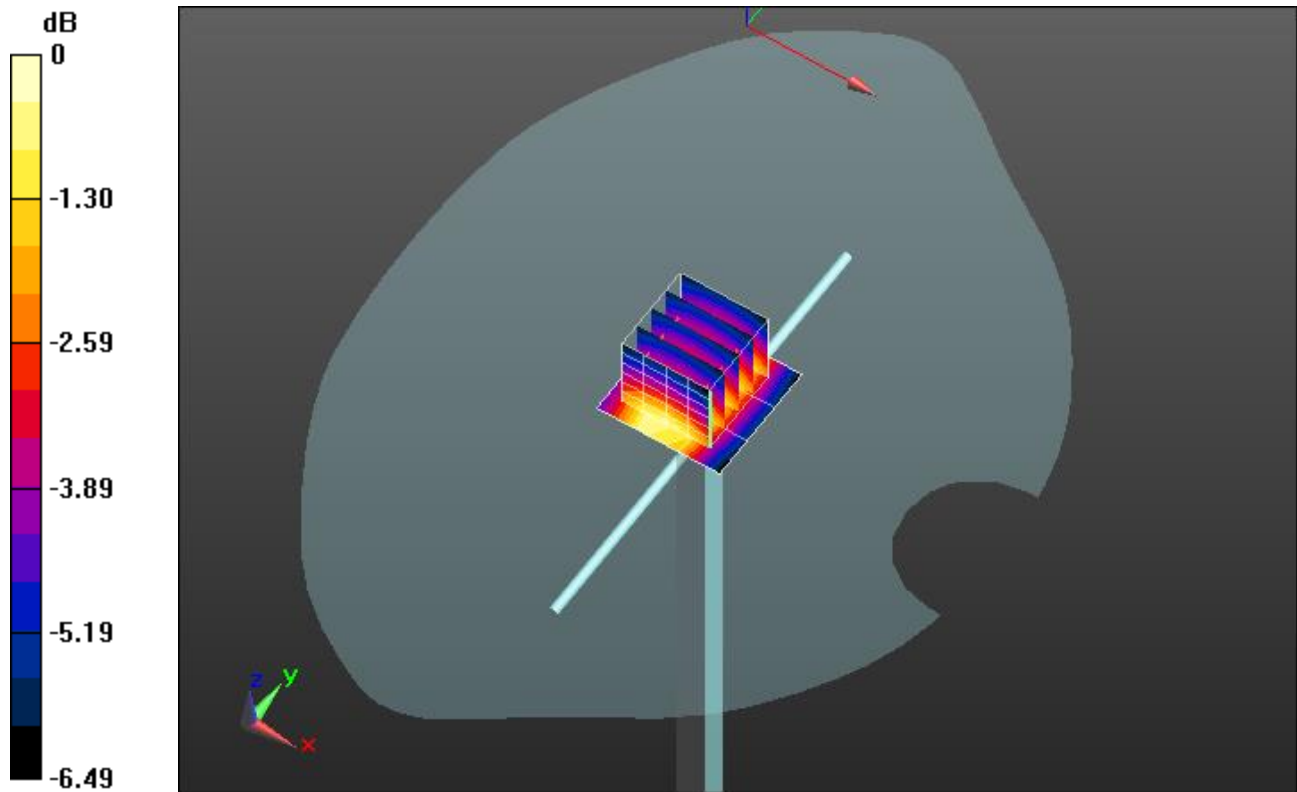
Reference Value = 34.83 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.38 W/kg


SAR(1 g) = 0.963 W/kg; SAR(10 g) = 0.638 W/kg

Maximum value of SAR (measured) = 1.12 W/kg

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0 dB = 1.02 W/kg = 0.08 dBW/kg

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Plot 4

Date/Time: 4/4/2017 3:15:56 PM

Test Laboratory: Cetecom Inc. SAR 1 Lab

DUT: Dipole 1900 MHz - D1900V2 - SN5d135_April 2016; Type: D1900V2; Serial: D1900V2 - SN:5d135

Communication System: UID 10000, CW; Frequency: 1900 MHz

Medium: MSL1900_Batch 110615-4

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.534$ S/m; $\epsilon_r = 51.52$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

Procedure Notes: Test Technician: kathy; Air Temperature: 22.8C; Medium Temperature: 21.8C; Comments: ;

DASY Configuration:

- Probe: ES3DV3 - SN3244; ConvF(4.81, 4.81, 4.81); Calibrated: 4/28/2016;
- Sensor-Surface: 3mm (Mechanical Surface Detection), $z = 2.0, 32.0$
- Electronics: DAE4 Sn1265; Calibrated: 5/11/2016
- Phantom: ELI v4.0_Front; Type: QDOVA001BB; Serial: 1124
- DASY52 52.8.8(1222);

System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=.1W, dist=3.0mm (ES-Probe)/Area Scan (4x4x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 3.86 W/kg


System Performance Check at Frequencies above 1 GHz/d=10mm, Pin=.1W, dist=3.0mm (ES-Probe)/Zoom Scan (7x7x7) (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

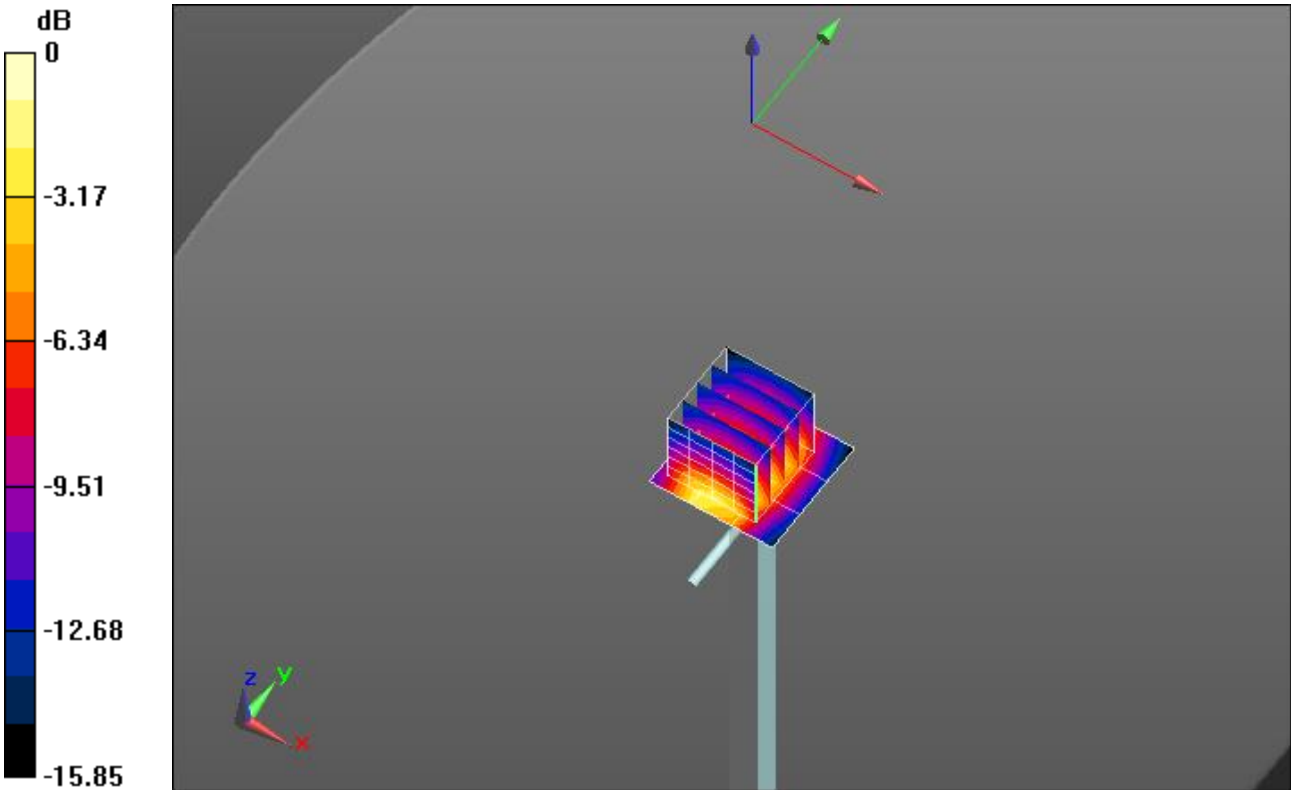
Reference Value = 57.25 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 6.59 W/kg

SAR(1 g) = 3.82 W/kg; SAR(10 g) = 2.01 W/kg

Maximum value of SAR (measured) = 4.80 W/kg

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0 dB = 3.86 W/kg = 5.86 dBW/kg