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Appendix B - DAE & Probe Calibration Certificate

Zeughausstrasse 43, 8004 Zur	ich, Switzerland	HACE MEA	C Service suisse d'étalonnage Servizio svizzero di taratura Swiss Calibration Service
Accredited by the Swiss Accredi The Swiss Accreditation Servi Multilateral Agreement for the	ice is one of the signatorie	es to the EA	ion No.: SCS 0108
CALIBRATION			No: DAE4-877_Mar20
Object	Andrew College	D04 BN - SN: 877	
Calibration procedure(s)	QA CAL-06.v30 Calibration proce	dure for the data acquisition ele	ectronics (DAE)
Calibration date:	March 17, 2020		
This calibration certificate documents and the uncertificate documents and the uncertificate documents are the uncertificate documents.	nents the traceability to national artainties with confidence pro-	onal standards, which realize the physical u obability are given on the following pages a	units of measurements (SI). and are part of the certificate.
Il calibrations have been condu	cted in the closed laboratory	and standards, which realize the physical uobability are given on the following pages ϵ y facility: environment temperature (22 \pm 3)	and are part of the certificate.
All calibrations have been conductable and the unconductable and t	cted in the closed laboraton TE critical for calibration)	obability are given on the following pages a y facility: environment temperature (22 ± 3)	and are part of the certificate. °C and humidity < 70%.
All calibrations have been conducted in the unconducted in the conducted i	cted in the closed laboratory	obability are given on the following pages a	and are part of the certificate.
The measurements and the unce	remainties with confidence proceed in the closed laboratory TE critical for calibration)	obability are given on the following pages at / facility: environment temperature (22 ± 3) Cal Date (Certificate No.) 03-Sep-19 (No:25949)	and are part of the certificate. "C and hurnidity < 70%. Scheduled Calibration Sep-20
All calibrations have been condu- calibration Equipment used (M& rimany Standards eithiely Multimeter Type 2001 econdary Standards uto DAE Calibration Unit	remainties with confidence proceed in the closed laboratory TE critical for calibration) ID # SN: 0810278	obability are given on the following pages at / facility: environment temperature (22 ± 3) Cal Date (Certificate No.) 03-Sep-19 (No:25949) Check Date (in house) O9-Jan-20 (in house check)	and are part of the certificate. *C and humidity < 70%. Scheduled Calibration
All calibrations have been condu- Calibration Equipment used (M& Primary Standards Seithley Multimeter Type 2001 Secondary Standards unto DAE Calibration Unit Calibrator Box V2.1	retainties with confidence protected in the closed laboratory TE critical for calibration) ID # SN: 0810278 ID # SE UWS 053 AA 1001	obability are given on the following pages at facility: environment temperature (22 ± 3) Cal Date (Certificate No.) 03-Sep-19 (No:25949) Check Date (in house) 09-Jan-20 (in house check)	and are part of the certificate. "C and hurnidity < 70%. Scheduled Calibration Sep-20 Scheduled Check In house check: Jan-21 In house check: Jan-21
All calibrations have been conducations and the unco- calibration Equipment used (M& Primary Standards Seithley Multimeter Type 2001 secondary Standards unto DAE Calibration Unit	cted in the closed laboration TE critical for calibration) ID # SN: 0810278 ID # SE UWS 053 AA 1001 SE UMS 006 AA 1002	obability are given on the following pages at facility: environment temperature (22 ± 3) Cal Date (Certificate No.) 03-Sep-19 (No:25949) Check Date (in house) 09-Jan-20 (in house check) 09-Jan-20 (in house check)	and are part of the certificate. "C and hurnidity < 70%. Scheduled Calibration Sep-20 Scheduled Check In house check: Jan-21
All calibrations have been condu- calibration Equipment used (M& rimary Standards eithley Multimeter Type 2001 econdary Standards uto DAE Calibration Unit alibrator Box V2.1	retarrises with confidence proceed in the closed laboratory TE critical for calibration) ID # SN: 0810278 ID # SE UWS 053 AA 1001 SE UMS 006 AA 1002	obability are given on the following pages at y facility: environment temperature (22 ± 3) Cal Date (Certificate No.) 03-Sep-19 (No.25949) Check Date (in house) 09-Jan-20 (in house check) 09-Jan-20 (in house check)	and are part of the certificate. "C and humidity < 70%. Scheduled Calibration Sep-20 Scheduled Check In house check: Jan-21 In house check: Jan-21

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Multilateral Agreement for the recognition of calibration certificates

Accreditation No.: SCS 0108

Glossary

DAE Connector angle

data acquisition electronics information used in DASY system to align probe sensor X to the robot coordinate system.

Methods Applied and Interpretation of Parameters

- DC Voltage Measurement: Calibration Factor assessed for use in DASY system by comparison with a calibrated instrument traceable to national standards. The figure given corresponds to the full scale range of the voltmeter in the respective range.
- Connector angle: The angle of the connector is assessed measuring the angle mechanically by a tool inserted. Uncertainty is not required.
- The following parameters as documented in the Appendix contain technical information as a result from the performance test and require no uncertainty.
 - DC Voltage Measurement Linearity: Verification of the Linearity at +10% and -10% of the nominal calibration voltage. Influence of offset voltage is included in this procurement.
 - Common mode sensitivity: Influence of a positive or negative common mode voltage on the differential measurement.
 - Channel separation: Influence of a voltage on the neighbor channels not subject to an input voltage.
 - AD Converter Values with inputs shorted: Values on the internal AD converter corresponding to zero input voltage
 - Input Offset Measurement: Output voltage and statistical results over a large number of zero voltage measurements.
 - Input Offset Current: Typical value for information; Maximum channel input offset current, not considering the input resistance.
 - Input resistance: Typical value for information: DAE input resistance at the connector, during internal auto-zeroing and during measurement.
 - Low Battery Alarm Voltage: Typical value for information. Below this voltage, a battery alarm signal is generated.
 - Power consumption: Typical value for information. Supply currents in various operating modes.

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DC Voltage Measurement

A/D - Converter Resolution nominal

High Range: 1LSB =

Low Range: 1LSB = A/D - Converter Resolution nominal
High Range: 1LSB = 6.1µV , full range = -100...+300 mV
Low Range: 1LSB = 61nV , full range = -1......+3mV
DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

Calibration Factors	X	Y	Z
High Range	405.010 ± 0.02% (k=2)	404.578 ± 0.02% (k=2)	405.015 ± 0.02% (k=2)
Low Range	3.98182 ± 1.50% (k=2)	3.98256 ± 1.50% (k=2)	3.97085 ± 1.50% (k=2)

Connector Angle

Connector Angle to be used in DASY system	324.5 ° ± 1 °
---	---------------

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Appendix (Additional assessments outside the scope of SCS0108)

1. DC Voltage Linearity

High Range	Reading (µV)	Difference (μV)	Error (%)
Channel X + Input	199994.99	1.01	0.00
Channel X + Input	20004.59	3.10	0.02
Channel X - Input	-19997.61	4.07	-0.02
Channel Y + Input	199995.27	1.92	0.00
Channel Y + Input	20003.49	2.17	0.01
Channel Y - Input	-20001.56	0.25	-0.00
Channel Z + Input	199996.44	2.69	0.00
Channel Z + Input	20003.98	2.57	0.01
Channel Z - Input	-20002.02	-0.26	0.00

Low Range	Reading (μV)	Difference (μV)	Error (%)
Channel X + Input	2000.98	-0.02	-0.00
Channel X + Input	201.04	-0.39	-0.19
Channel X - Input	-198.61	-0.21	0.11
Channel Y + Input	2001.45	0.50	0.02
Channel Y + Input	200.09	-1.21	-0.60
Channel Y - Input	-199.84	-1.30	0.65
Channel Z + Input	2001.94	0.99	0.05
Channel Z + Input	199.79	-1.52	-0.76
Channel Z - Input	-199.14	-0.53	0.27

2. Common mode sensitivity

	Common mode Input Voltage (mV)	High Range Average Reading (μV)	Low Range Average Reading (μV)
Channel X	200	15.06	13.17
	- 200	-11.97	-13.80
Channel Y	200	-19.28	-19.62
	- 200	18.28	17.70
Channel Z	200	21.01	20.77
	- 200	-22.03	-22.76

3. Channel separation

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

	Input Voltage (mV)	Channel X (μV)	Channel Y (μV)	Channel Z (µV)
Channel X	200		0.57	-2.27
Channel Y	200	7.16	9	2.07
Channel Z	200	9.34	3.85	- V

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4. AD-Converter Values with inputs shorted

	High Range (LSB)	Low Range (LSB)
Channel X	16005	16461
Channel Y	15882	17075
Channel Z	15740	17303

5. Input Offset Measurement

DASY measurement parameters: Auto Zero Time: 3 sec; Measuring time: 3 sec

nput 10Ms2	Average (μV)	min. Offset (μV)	max. Offset (μV)	Std. Deviation (µV)
Channel X	1.20	-0.28	3.03	0.57
Channel Y	0.18	-1.82	1.39	0.56
Channel Z	0.60	-1.35	2.37	0.80

6. Input Offset Current

Nominal Input circuitry offset current on all channels: <25fA

7. Input Resistance (Typical values for information)

	Zeroing (kOhm)	Measuring (MOhm)
Channel X	200	200
Channel Y	200	200
Channel Z	200	200

Typical values	Alarm Level (VDC)	
Supply (+ Vcc)	+7.9	
Supply (- Vcc)	-7.6	

9. Power Consumption (Typical values for information)

Typical values	Switched off (mA)	Stand by (mA)	Transmitting (mA)
Supply (+ Vcc)	+0.01	+6	+14
Supply (- Vcc)	-0.01	-8	-9

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Accreditation No.: SCS 0108

Client SGS-TW (Auden)

Certificate No: EX3-7509_Mar20

Object	EX3DV4 - SN:7509					
Calibration procedure(s)	QA CAL-01.v9, QA CAL-14.v5, QA CAL-23.v5, QA CAL-25.v7 Calibration procedure for dosimetric E-field probes					
Calibration date:	March 25, 2020					
The measurements and the un	certainties with confidence prof fucted in the closed laboratory	al standards, which realize the physical units bability are given on the following pages and : facility: environment temperature $(22\pm3)^{\circ}$ C a	are part of the certificate.			
Primary Standards	ID	Cal Date (Certificate No.)	Scheduled Calibration			
	SN: 104778	03-Apr-19 (No. 217-02892/02893)	Apr-20			
Power meter NRP	SN: 104778 SN: 103244	03-Apr-19 (No. 217-02892/02893) 03-Apr-19 (No. 217-02892)	Apr-20 Apr-20			
Power meter NRP Power sensor NRP-Z91						
Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91	SN: 103244	03-Apr-19 (No. 217-02892)	Apr-20			
Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator	SN: 103244 SN: 103245	03-Apr-19 (No. 217-02892) 03-Apr-19 (No. 217-02893)	Apr-20 Apr-20			
Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator DAE4	SN: 103244 SN: 103245 SN: S5277 (20x)	03-Apr-19 (No. 217-02892) 03-Apr-19 (No. 217-02893) 04-Apr-19 (No. 217-02894)	Apr-20 Apr-20 Apr-20			
Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator DAE4 Reference Probe ES3DV2 Secondary Standards	SN: 103244 SN: 103245 SN: S5277 (20x) SN: 660	03-Apr-19 (No. 217-02892) 03-Apr-19 (No. 217-02893) 04-Apr-19 (No. 217-02894) 27-Dec-19 (No. DAE4-660_Dec19)	Apr-20 Apr-20 Apr-20 Dec-20			
Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator DAE4 Reference Probe ES3DV2 Secondary Standards	SN: 103244 SN: 103245 SN: S5277 (20x) SN: 660 SN: 3013	03-Apr-19 (No. 217-02892) 03-Apr-19 (No. 217-02893) 04-Apr-19 (No. 217-02894) 27-Dec-19 (No. DAE4-660_Dec19) 31-Dec-19 (No. ES3-3013_Dec19)	Apr-20 Apr-20 Apr-20 Dec-20 Dec-20			
Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator DAE4 Reference Probe ES3DV2 Secondary Standards Power meter E4419B	SN: 103244 SN: 103245 SN: 55277 (20x) SN: 660 SN: 3013	03-Apr-19 (No. 217-02892) 03-Apr-19 (No. 217-02893) 04-Apr-19 (No. 217-02894) 27-Dec-19 (No. DAE4-660, Dec19) 31-Dec-19 (No. ESS-3013, Dec19) Check Date (in house)	Apr-20 Apr-20 Apr-20 Dec-20 Dec-20 Scheduled Check			
Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Altenuator DAE4 Reference Probe ES3DV2 Secondary Standards Power meter E4419B Power sensor E4412A	SN: 103244 SN: 103245 SN: 55277 (20x) SN: 660 SN: 3013	03-Apr-19 (No. 217-02882) 03-Apr-19 (No. 217-02893) 04-Apr-19 (No. 217-02894) 27-Dec-19 (No. DA£4-660, Dec19) 31-Dec-19 (No. E33-3013, Dec19) Check Date (in house) 06-Apr-16 (in house check Jun-18) 06-Apr-16 (in house check Jun-18) 06-Apr-16 (in house check Jun-18)	Apr-20 Apr-20 Apr-20 Dec-20 Dec-20 Scheduled Check In house check: Jun-20			
Power meter NRP Dower sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Altenuator DAE4 Reference Probe ES3DV2 Secondary Standards Power meter E4419B Power sensor E4412A Power sensor E4412A	SN: 103244 SN: 103245 SN: SS277 (20x) SN: 660 SN: 3013 ID ID SN: GB41293874 SN: MY41499097 SN: 000110210 SN: 000110210	03-Apr-19 (No. 217-02882) 03-Apr-19 (No. 217-02883) 04-Apr-19 (No. 217-02893) 27-Dec-19 (No. DAE-6860, Dec19) 31-Dec-19 (No. DAE-6860, Dec19) Check Date (in house) 06-Apr-16 (in house check Jun-18)	Apr-20 Apr-20 Dec-20 Dec-20 Scheduled Check In house check: Jun-20 In house check: Jun-20 In house check: Jun-20			
Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Altenuator DAE4 Reference Probe ES30V2 Secondary Standards Power meter E4419B Power sensor E4412A Power sensor E4412A RF generator HP 8648C	SN: 103244 SN: 103245 SN: 56277 (20x) SN: 660 SN: 3013 ID SN: GB41293874 SN: MY41499087 SN: 000110210	03-Apr-19 (No. 217-02882) 03-Apr-19 (No. 217-02893) 04-Apr-19 (No. 217-02894) 27-Dec-19 (No. DA£4-660, Dec19) 31-Dec-19 (No. E33-3013, Dec19) Check Date (in house) 06-Apr-16 (in house check Jun-18) 06-Apr-16 (in house check Jun-18) 06-Apr-16 (in house check Jun-18)	Apr-20 Apr-20 Apr-20 Dec-20 Dec-20 Scheduled Check In house check: Jun-20 In house check: Jun-20 In house check: Jun-20			
Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Altenuator DAE4 Reference Probe ES3DV2	SN: 103244 SN: 103245 SN: SS277 (20x) SN: 660 SN: 3013 ID ID SN: GB41293874 SN: MY41499097 SN: 000110210 SN: 000110210	03-Apr-19 (No. 217-02882) 03-Apr-19 (No. 217-02883) 04-Apr-19 (No. 217-02893) 27-Dec-19 (No. DAE-6860, Dec19) 31-Dec-19 (No. DAE-6860, Dec19) Check Date (in house) 06-Apr-16 (in house check Jun-18)	Apr-20 Apr-20 Apr-20 Dec-20 Dec-20 Scheduled Check In house check: Jun-20 In house check: Jun-20 In house check: Jun-20 In house check: Jun-20			
Power meter NRP Power sensor NRP-Z91 Power sensor NRP-Z91 Reference 20 dB Attenuator DAE4 Reference Probe ES30V2 Secondary Standards Power meter E4419B Power sensor E4412A Power sensor E4412A RF generator HP 8648C	SN: 103244 SN: 103245 SN: 103245 SN: 95277 (20x) SN: 960 SN: 3013 ID ID SN: GB41293874 SN: WY41496087 SN: US41080477	03-Apr-19 (No. 217-02892) 03-Apr-19 (No. 217-02893) 04-Apr-19 (No. 217-02893) 27-Dec-19 (No. DAE4-660, Dec19) 31-Dec-19 (No. DAE5-3013, Dec19) Check Date (in house) 06-Apr-16 (in house check Jun-18) 06-Apr-16 (in house check Jun-18) 04-Apr-16 (in house check Jun-18) 04-Aug-99 (in house check Jun-18) 04-Aug-99 (in house check Jun-18)	Apr-20 Apr-20 Apr-20 Dec-20 Dec-20 Scheduled Check In house check: Jun-20 In house check: Jun-20 In house check: Jun-20 In house check: Jun-20 In house check: Cun-20			

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Service suisse d'étalonnage Servizio svizzero di taratura Swiss Calibration Service

Accreditation No.: SCS 0108

Glossary:

Polarization 9

NORMx,y,z ConvF

sensitivity in free space sensitivity in TSL / NORMx,y,z

diode compression point crest factor (1/duty_cycle) of the RF signal modulation dependent linearization parameters A. B. C. D φ rotation around probe axis 9 rotation around an axis that is in the plane normal to probe axis (at measurement center).

i.e., 9 = 0 is normal to probe axis information used in DASY system to align probe sensor X to the robot coordinate system Connector Angle

- Connector Angle

 Calibration is Performed According to the Following Standards:

 a) IEEE 8td 1528-2013, "IEEE Recommended Practice for Determining the Peak Spatial-Averaged Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques", June 2013

 b) IEC 62209-1, "Measurement procedure for the assessment of Specific Absorption Rate (SAR) from handheld and body-mounted devices used next to the ear (frequency range of 300 MHz to 6 GHz)", July 2016

 c) IEC 62209-2, "Procedure to determine the Specific Absorption Rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz)", March 2010

 d) KDB 865664, "SAR Measurement Requirements for 100 MHz to 6 GHz"

Methods Applied and Interpretation of Parameters:

- ods Applied and Interpretation of Parameters:

 NORMx, y,z: Assessed for E-field polarization 9 = 0 (f ≤ 900 MHz in TEM-cell; f > 1800 MHz: R22 waveguide).

 NORMx, y,z are only intermediate values, i.e., the uncertainties of NORMx, y,z does not affect the E³-field uncertainty inside T3L (see below ConvF).

 NORM(f)x, y = NORMx, y, z² requency_response (see Frequency Response Chart). This linearization is implemented in DASY4 software versions later than 4.2. The uncertainty of the frequency response is included in the stated uncertainty of ConvF.

 DCPx, y,z: DCP are numerical linearization parameters assessed based on the data of power sweep with CW signal (no uncertainty required). DCP does not depend on frequency nor media.

 PAR: PAR is the Peak to Average Ratio that is not calibrated but determined based on the signal characteristics

- PAR: Is the Peak to Average Ratio that is not calibrated but otermined based on the signiar characteristics $A_{\rm X}/Z$, $B_{\rm X}/Z$, $C_{\rm X}/Z$, $D_{\rm X}/Z$, $VR_{\rm X}/Z$, A, B, C, D are numerical linearization parameters assessed based on the data of power sweep for specific modulation signal. The parameters do not depend on frequency nor media. VR is the maximum calibration range expressed in RNIS voltage across the diode. Comit and Boundary Effect Parameters: Assessed in flat phantom using E-field (or Temperature Transfer Standard for $f \le 800$ MHz), and inside waveguide using analytical field distributions based on power measurements for V = 800 MHz. The same setupes are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty values are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL correspond to $VRIMR_{VZ}$ are Contributed to the contribute of the con
- Spherical isotropy (3D deviation from isotropy): In a field of low gradients realized using a flat phantom
- sprience isotropy apply 3.5 beviation from sorropy), in a feet or low gradients realized using a flat pranton exposed by a patch antenna. Sensor Offset. The sensor offset corresponds to the offset of virtual measurement center from the probe tip (on probe axis). No tolerance required.

 Connector Angle: The angle is assessed using the information gained by determining the NORMx (no uncertainty required).

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EX3DV4 - SN:7509

March 25, 2020

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7509

Basic Calibration Parameters

	Sensor X	Sensor Y	Sensor Z	Unc (k=2)
Norm (µV/(V/m) ²) ^A	0.51	0.55	0.55	± 10.1 %
DCP (mV) ^è	97.8	99.8	94.6	

Calibration Popults for Modulation Response

UID	Communication System Name		A dB	B dB√μV	С	D dB	VR mV	Max dev.	Unc [±] (k=2)
0	CW X	0.0	0.0	1.0	0.00	192.3	± 3.3 %	±4.7 %	
		Y.	0.0	0.0	1.0		173.6		
-		Z	0.0	0.0	1.0		174.8		

The reported uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

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The uncontainties of Norm X,Y,Z do not affect the E²-field uncontainty inside TSL (see Page 5). Numerical linearization parameter: uncertainty not required. Uncortainty is determined using the max deviation from innear response applying rectangular distribution and is expressed for the square of the



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EX3DV4- SN:7509

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7509

Sensor Arrangement	Triangular
Connector Angle (°)	-17.6
Mechanical Surface Detection Mode	enabled
Optical Surface Detection Mode	disabled
Probe Overall Length	337 mm
Probe Body Diameter	10 mm
Tip Length	9 mm
Tip Diameter	2.5 mm
Probe Tip to Sensor X Calibration Point	1 mm
Probe Tip to Sensor Y Calibration Point	1 mm
Probe Tip to Sensor Z Calibration Point	1 mm
Recommended Measurement Distance from Surface	1.4 mm

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EX3DV4- SN:7509

March 25, 2020

DASY/EASY - Parameters of Probe: EX3DV4 - SN:7509

f (MHz) ^C	Relative Permittivity F	Conductivity (S/m) F	ConvF X	ConvF Y	ConvF Z	Alpha ^G	Depth ^G (mm)	Unc (k=2)
750	41.9	0.89	9.94	9.94	9.94	0.49	0.80	± 12.0 %
835	41.5	0.90	9.73	9.73	9.73	0.35	0.98	± 12.0 %
900	41.5	0.97	9.53	9.53	9.53	0.33	1.00	± 12.0 %
1750	40.1	1.37	8,34	8.34	8.34	0.32	0.86	± 12.0 %
1900	40.0	1,40	8.07	8.07	8.07	0.34	0.86	± 12.0 %
2000	40.0	1.40	7.98	7.98	7.98	0.36	0.86	± 12.0 %
2300	39.5	1.67	7.76	7.76	7.76	0.31	0.90	± 12.0 %
2450	39.2	1.80	7.51	7.51	7.51	0.32	0.90	± 12.0 %
2600	39.0	1.96	7.23	7.23	7.23	0.39	0.90	± 12.0 %
3300	38.2	2.71	6.80	6.80	6.80	0.30	1.35	± 13.1 %
3500	37.9	2.91	6.73	6.73	6.73	0.35	1.35	± 13.1 %
3700	37.7	3.12	6.67	6.67	6.67	0.35	1.35	± 13.1 %
3900	37.5	3.32	6.50	6.50	6.50	0.40	1,60	± 13.1 %
4100	37.2	3,53	6.30	6.30	6.30	0.40	1.60	± 13.1 %
4200	37.1	3.63	6.10	6.10	6.10	0.40	1.60	± 13.1 %
4400	36.9	3.84	6.05	6.05	6.05	0.40	1.60	± 13.1 %
4600	36.7	4.04	6.02	6.02	6.02	0.40	1.60	± 13.1 %
4800	36.4	4.25	5.97	5.97	5.97	0.40	1.80	± 13.1 %
4950	36.3	4.40	5.75	5.75	5.75	0.40	1.80	± 13.1 %
5200	36.0	4.66	5.33	5.33	5.33	0.40	1.80	± 13.1 %
5300	35.9	4.76	5.23	5.23	5.23	0.40	1.80	± 13.1 %
5600	35.5	5.07	4.64	4.64	4.64	0.40	1.80	± 13.1 %
5800	35.3	5.27	4.85	4.85	4.85	0.40	1.80	± 13.1 %

Frequency validity above 300 MHz of ± 100 MHz only applies for DASY V4.4 and higher (see Page 2), alse it is restricted to ± 50 MHz. The uncertainty is the RSS of the ConvF uncertainty at calibration frequency and the uncertainty for the indicated frequency band. Frequency validity below 300 MHz is = 10, 25, 40, 50 and 70 MHz for ConvF assessed at 30, 64, 128, 130 and 220 MHz respectively. Validity of CorvF assessed at 58 MHz is 45 MHz; and ConvF assessed at 38 MHz is 45 MHz; and ConvF assessed at 38 MHz is 45 MHz; and ConvF assessed at 38 MHz is 45 MHz; and ConvF assessed at 38 MHz is 45 MHz; and ConvF assessed at 38 MHz is 45 MHz; and ConvF assessed at 38 MHz; and ConvF assessed at 38

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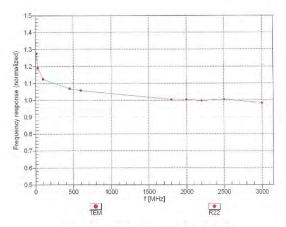


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Frequency Response of E-Field (TEM-Cell:ifi110 EXX, Waveguide: R22)



Uncertainty of Frequency Response of E-field: ± 6.3% (k=2)

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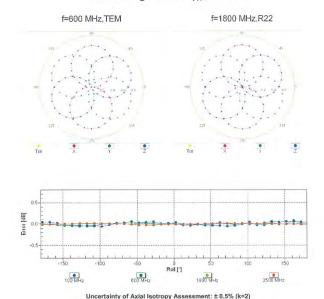


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Receiving Pattern (ϕ), $\vartheta = 0^{\circ}$



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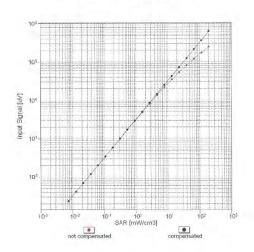
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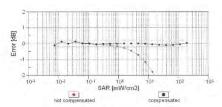
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Dynamic Range f(SAR_{head}) (TEM cell , f_{eval}= 1900 MHz)





Uncertainty of Linearity Assessment: ± 0.6% (k=2)

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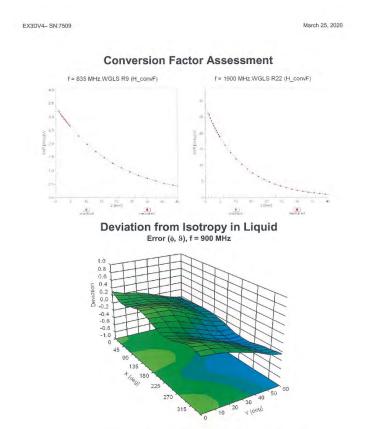
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- End of report -

.0 -0.8 -0.6 -0.4 -0.2 0.0 0.2 0.4 0.6 0.8 1. Uncertainty of Spherical Isotropy Assessment: ± 2.6% (k=2)

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