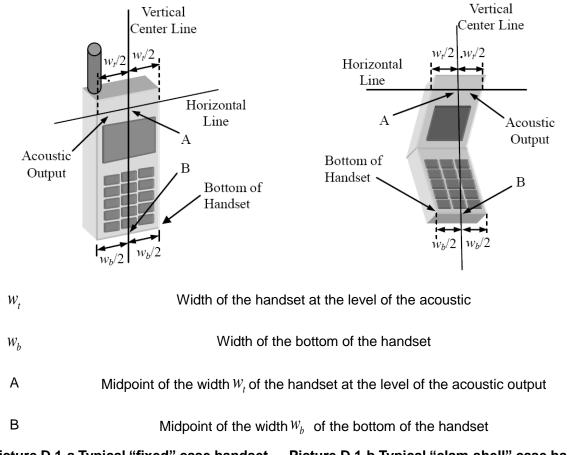


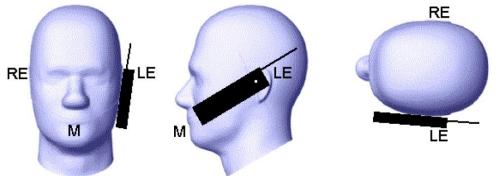
## ANNEX D Position of the wireless device in relation to the phantom

#### **D.1 General considerations**

This standard specifies two handset test positions against the head phantom – the "cheek" position and the "tilt" position.

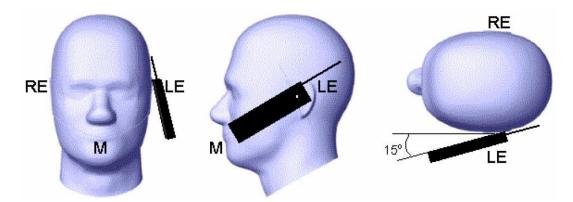


Picture D.1-a Typical "fixed" case handset Picture D.1-b Typical "clam-shell" case handset



Picture D.2 Cheek position of the wireless device on the left side of SAM





Picture D.3 Tilt position of the wireless device on the left side of SAM

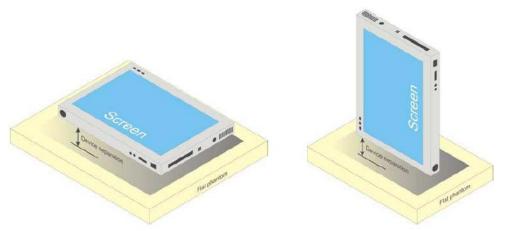
#### D.2 Body-supported device

Other devices that fall into this category include tablet type portable computers and credit card transaction authorisation terminals, point-of-sale and/or inventory terminals. Where these devices may be torso or limb-supported, the same principles for body-supported devices are applied. The example in Picture D.1 shows a tablet form factor portable computer for which SAR should be separately assessed with

a) each surface and

b) the separation distances

positioned against the flat phantom that correspond to the intended use as specified by the manufacturer. If the intended use is not specified in the user instructions, the device shall be tested directly against the flat phantom in all usable orientations.



Picture D.4 Tablet form factor portable computer



#### **D.3 DUT Setup Photos**



**Picture D.5** 



# ANNEX E Equivalent Media Recipes

The liquid used for the frequency range of 800-3000 MHz consisted of water, sugar, salt, preventol, glycol monobutyl and Cellulose. The liquid has been previously proven to be suited for worst-case. The Table E.1 shows the detail solution. It's satisfying the latest tissue dielectric parameters requirements proposed by the IEEE 1528 and IEC 62209.

	TUDICE	r. compos			, Equivale	in matter		
Frequency	835Head	835Body	1900	1900	2450	2450	5800	5800
(MHz)			Head	Body	Head	Body	Head	Body
Ingredients (% by weight)								
Water	41.45	52.5	55.242	69.91	58.79	72.60	65.53	65.53
Sugar	56.0	45.0	١	١	١	١	\	\
Salt	1.45	1.4	0.306	0.13	0.06	0.18	١	١
Preventol	0.1	0.1	١	١	١	١	١	١
Cellulose	1.0	1.0	١	١	١	١	\	\
Glycol	1	١	44.452	29.96	41.15	27.22	١	١
Monobutyl	١							
Diethylenglycol	١	\	١	١	١	١	17.24	17.24
monohexylether								
Triton X-100	١	١	١	١	١	١	17.24	17.24
Dielectric	c=11 E	ε=55.2	c=10.0	ε=53.3	c=20.2	c=50.7	c=25.2	c=10.0
Parameters	ε=41.5		ε=40.0		ε=39.2	ε=52.7	ε=35.3	ε=48.2
Target Value	σ=0.90	σ=0.97	σ=1.40	σ=1.52	σ=1.80	σ=1.95	σ=5.27	σ=6.00

#### TableE.1: Composition of the Tissue Equivalent Matter

Note: There are a little adjustment respectively for 750, 1750, 2600, 5200, 5300 and 5600 based on the recipe of closest frequency in table E.1.



# ANNEX F System Validation

The SAR system must be validated against its performance specifications before it is deployed. When SAR probes, system components or software are changed, upgraded or recalibrated, these must be validated with the SAR system(s) that operates with such components.

Probe SN.	Liquid name	Validation date	Frequency point	Status (OK or Not)
3846	Head 750MHz	Jan.19,2017	750 MHz	ОК
3846	Head 850MHz	Jan.19,2017	850 MHz	ОК
3846	Head 900MHz	Jan.18,2017	900 MHz	ОК
3846	Head 1750MHz	Jan.17,2017	1750 MHz	ОК
3846	Head 1810MHz	Jan.17,2017	1810 MHz	ОК
3846	Head 1900MHz	Jan.16,2017	1900 MHz	ОК
3846	Head 1950MHz	Jan.16,2017	1950 MHz	ОК
3846	Head 2000MHz	Jan.16,2017	2000 MHz	ОК
3846	Head 2100MHz	Jan.16,2017	2100 MHz	ОК
3846	Head 2300MHz	Jan.15,2017	2300 MHz	ОК
3846	Head 2450MHz	Jan.15,2017	2450 MHz	ОК
3846	Head 2550MHz	Jan.15,2017	2550 MHz	ОК
3846	Head 2600MHz	Jan.15,2017	2600 MHz	ОК
3846	Head 3500MHz	Jan.14,2017	3500 MHz	ОК
3846	Head 3700MHz	Jan.14,2017	3700 MHz	ОК
3846	Head 5200MHz	Jan.13,2017	5200 MHz	ОК
3846	Head 5500MHz	Jan.13,2017	5500 MHz	ОК
3846	Head 5800MHz	Jan.13,2017	5800 MHz	ОК
3846	Body 750MHz	Jan.19,2017	750 MHz	ОК
3846	Body 850MHz	Jan.19,2017	850 MHz	ОК
3846	Body 900MHz	Jan.18,2017	900 MHz	ОК
3846	Body 1750MHz	Jan.17,2017	1750 MHz	ОК
3846	Body 1810MHz	Jan.17,2017	1810 MHz	ОК
3846	Body 1900MHz	Jan.16,2017	1900 MHz	ОК
3846	Body 1950MHz	Jan.16,2017	1950 MHz	ОК
3846	Body 2000MHz	Jan.16,2017	2000 MHz	ОК
3846	Body 2100MHz	Jan.16,2017	2100 MHz	ОК
3846	Body 2300MHz	Jan.15,2017	2300 MHz	ОК
3846	Body 2450MHz	Jan.15,2017	2450 MHz	ОК
3846	Body 2550MHz	Jan.15,2017	2550 MHz	ОК
3846	Body 2600MHz	Jan.15,2017	2600 MHz	ОК
3846	Body 3500MHz	Jan.14,2017	3500 MHz	ОК
3846	Body 3700MHz	Jan.14,2017	3700 MHz	ОК
3846	Body 5200MHz	Jan.13,2017	5200 MHz	ОК
3846	Body 5500MHz	Jan.13,2017	5500 MHz	OK
3846	Body 5800MHz	Jan.13,2017	5800 MHz	OK

Table F.1: System Validation for 3846

©Copyright. All rights reserved by CTTL.



### ANNEX G Probe Calibration Certificate

#### Probe 3846 Calibration Certificate

Tel: +86-10-623046		6-10-62304633-2209				
E-mail: cttl@chinat						
Client CT1	And a second	Certificate No: Z16-	97251			
CALIBRATION CI						
CALIBRATION CI	CRIIFICATI	=				
Object	EX3DV4	- SN:3846				
Calibration Procedure(s)						
		FD-Z11-004-01				
	Calibratio	on Procedures for Dosimetric E-field Probes	3			
Calibration date: Janua		13, 2017				
		aceability to national standards, which rea				
		ne uncertainties with confidence probability	are given on the following			
pages and are part of the ce	ertificate.					
	conducted in th	ne closed laboratory facility: environment	temperature(22±3)°C and			
humidity<70%.						
Calibration Equipment used	(M&TE critical for	calibration)				
		calibration) Cal Date(Calibrated by, Certificate No.)	Scheduled Calibration			
		,	Scheduled Calibration Jun-17			
Primary Standards	ID# (	Cal Date(Calibrated by, Certificate No.)				
Primary Standards Power Meter NRP2	ID# ( 101919	Cal Date(Calibrated by, Certificate No.) 27-Jun-16 (CTTL, No.J16X04777)	Jun-17			
Primary Standards Power Meter NRP2 Power sensor NRP-Z91	ID # (0 101919 101547	Cal Date(Calibrated by, Certificate No.) 27-Jun-16 (CTTL, No.J16X04777) 27-Jun-16 (CTTL, No.J16X04777)	Jun-17 Jun-17			
Primary Standards Power Meter NRP2 Power sensor NRP-Z91 Power sensor NRP-Z91	ID # ( 101919 101547 101548	Cal Date(Calibrated by, Certificate No.) 27-Jun-16 (CTTL, No.J16X04777) 27-Jun-16 (CTTL, No.J16X04777) 27-Jun-16 (CTTL, No.J16X04777)	Jun-17 Jun-17 Jun-17			
Primary Standards Power Meter NRP2 Power sensor NRP-Z91 Power sensor NRP-Z91 Reference10dBAttenuator	ID # (0 101919 101547 101548 18N50W-10dB	Cal Date(Calibrated by, Certificate No.) 27-Jun-16 (CTTL, No.J16X04777) 27-Jun-16 (CTTL, No.J16X04777) 27-Jun-16 (CTTL, No.J16X04777) 13-Mar-16(CTTL, No.J16X01547) 13-Mar-16(CTTL, No.J16X01548)	Jun-17 Jun-17 Jun-17 Mar-18 Mar-18			
Primary Standards Power Meter NRP2 Power sensor NRP-Z91 Power sensor NRP-Z91 Reference10dBAttenuator Reference20dBAttenuator	ID # (101919) 101547 101548 18N50W-10dB 18N50W-20dB	Cal Date(Calibrated by, Certificate No.) 27-Jun-16 (CTTL, No.J16X04777) 27-Jun-16 (CTTL, No.J16X04777) 27-Jun-16 (CTTL, No.J16X04777) 13-Mar-16(CTTL, No.J16X01547) 13-Mar-16(CTTL, No.J16X01548) 26-Sep-16(SPEAG,No.EX3-7433_Sep16)	Jun-17 Jun-17 Jun-17 Mar-18 Mar-18 Sep-17			
Primary Standards Power Meter NRP2 Power sensor NRP-Z91 Power sensor NRP-Z91 Reference10dBAttenuator Reference20dBAttenuator Reference Probe EX3DV4	ID # (101919) 101547 101548 18N50W-10dB 18N50W-20dB SN 7433	Cal Date(Calibrated by, Certificate No.) 27-Jun-16 (CTTL, No.J16X04777) 27-Jun-16 (CTTL, No.J16X04777) 27-Jun-16 (CTTL, No.J16X04777) 13-Mar-16(CTTL, No.J16X01547) 13-Mar-16(CTTL, No.J16X01548)	Jun-17 Jun-17 Jun-17 Mar-18 Mar-18 Sep-17			
Primary Standards Power Meter NRP2 Power sensor NRP-Z91 Power sensor NRP-Z91 Reference10dBAttenuator Reference20dBAttenuator Reference Probe EX3DV4	ID # (101919) 101547 101548 18N50W-10dB 18N50W-20dB SN 7433	Cal Date(Calibrated by, Certificate No.) 27-Jun-16 (CTTL, No.J16X04777) 27-Jun-16 (CTTL, No.J16X04777) 27-Jun-16 (CTTL, No.J16X04777) 13-Mar-16(CTTL, No.J16X01547) 13-Mar-16(CTTL, No.J16X01548) 26-Sep-16(SPEAG,No.EX3-7433_Sep16)	Jun-17 Jun-17 Jun-17 Mar-18 Mar-18 Sep-17			
Primary Standards Power Meter NRP2 Power sensor NRP-Z91 Power sensor NRP-Z91 Reference10dBAttenuator Reference20dBAttenuator Reference Probe EX3DV4 DAE4	ID # (0 101919 101547 101548 18N50W-10dB 18N50W-20dB SN 7433 SN 1331 ID #	Cal Date(Calibrated by, Certificate No.) 27-Jun-16 (CTTL, No.J16X04777) 27-Jun-16 (CTTL, No.J16X04777) 27-Jun-16 (CTTL, No.J16X04777) 13-Mar-16(CTTL, No.J16X01547) 13-Mar-16(CTTL, No.J16X01548) 26-Sep-16(SPEAG,No.EX3-7433_Sep16) 21-Jan-16(SPEAG, No.DAE4-1331_Jan16 Cal Date(Calibrated by, Certificate No.)	Jun-17 Jun-17 Jun-17 Mar-18 Mar-18 Sep-17 S) Jan -17			
Primary Standards Power Meter NRP2 Power sensor NRP-Z91 Power sensor NRP-Z91 Reference10dBAttenuator Reference20dBAttenuator Reference Probe EX3DV4 DAE4 Secondary Standards	ID # (0 101919 101547 101548 18N50W-10dB 18N50W-20dB SN 7433 SN 1331 ID #	Cal Date(Calibrated by, Certificate No.) 27-Jun-16 (CTTL, No.J16X04777) 27-Jun-16 (CTTL, No.J16X04777) 27-Jun-16 (CTTL, No.J16X04777) 13-Mar-16(CTTL, No.J16X01547) 13-Mar-16(CTTL, No.J16X01548) 26-Sep-16(SPEAG,No.EX3-7433_Sep16) 21-Jan-16(SPEAG, No.DAE4-1331_Jan16 Cal Date(Calibrated by, Certificate No.) 27-Jun-16 (CTTL, No.J16X04776)	Jun-17 Jun-17 Jun-17 Mar-18 Mar-18 Sep-17 S) Jan -17 Scheduled Calibration			
Primary Standards Power Meter NRP2 Power sensor NRP-Z91 Power sensor NRP-Z91 Reference10dBAttenuator Reference20dBAttenuator Reference Probe EX3DV4 DAE4 Secondary Standards SignalGeneratorMG3700A	ID # (101919) 101547 101548 18N50W-10dB 18N50W-20dB SN 7433 SN 1331 ID # 6201052605	Cal Date(Calibrated by, Certificate No.) 27-Jun-16 (CTTL, No.J16X04777) 27-Jun-16 (CTTL, No.J16X04777) 27-Jun-16 (CTTL, No.J16X04777) 13-Mar-16(CTTL, No.J16X01547) 13-Mar-16(CTTL, No.J16X01548) 26-Sep-16(SPEAG,No.EX3-7433_Sep16) 21-Jan-16(SPEAG, No.DAE4-1331_Jan16 Cal Date(Calibrated by, Certificate No.)	Jun-17 Jun-17 Jun-17 Mar-18 Mar-18 Sep-17 3) Jan -17 Scheduled Calibration Jun-17			
Primary Standards Power Meter NRP2 Power sensor NRP-Z91 Power sensor NRP-Z91 Reference10dBAttenuator Reference20dBAttenuator Reference Probe EX3DV4 DAE4 Secondary Standards SignalGeneratorMG3700A Network Analyzer E5071C	ID # (101919) 101547 101548 18N50W-10dB 18N50W-20dB SN 7433 SN 1331 ID # 6201052605 MY46110673 Name	Cal Date(Calibrated by, Certificate No.) 27-Jun-16 (CTTL, No.J16X04777) 27-Jun-16 (CTTL, No.J16X04777) 27-Jun-16 (CTTL, No.J16X04777) 13-Mar-16(CTTL, No.J16X01547) 13-Mar-16(CTTL, No.J16X01548) 26-Sep-16(SPEAG, No.DAE4-1331_Jan16) 21-Jan-16(SPEAG, No.DAE4-1331_Jan16) Cal Date(Calibrated by, Certificate No.) 27-Jun-16 (CTTL, No.J16X04776) 26-Jan-16 (CTTL, No.J16X00894) Function	Jun-17 Jun-17 Jun-17 Mar-18 Mar-18 Sep-17 3) Jan -17 Scheduled Calibration Jun-17 Jan -17			
Primary Standards Power Meter NRP2 Power sensor NRP-Z91 Power sensor NRP-Z91 Reference10dBAttenuator Reference20dBAttenuator Reference Probe EX3DV4 DAE4 Secondary Standards SignalGeneratorMG3700A Network Analyzer E5071C Calibrated by:	ID # (101919) 101547 101548 18N50W-10dB 18N50W-20dB SN 7433 SN 1331 ID # 6201052605 MY46110673	Cal Date(Calibrated by, Certificate No.) 27-Jun-16 (CTTL, No.J16X04777) 27-Jun-16 (CTTL, No.J16X04777) 27-Jun-16 (CTTL, No.J16X04777) 13-Mar-16(CTTL, No.J16X01547) 13-Mar-16(CTTL, No.J16X01548) 26-Sep-16(SPEAG, No.EX3-7433_Sep16) 21-Jan-16(SPEAG, No.DAE4-1331_Jan16 Cal Date(Calibrated by, Certificate No.) 27-Jun-16 (CTTL, No.J16X04776) 26-Jan-16 (CTTL, No.J16X00894)	Jun-17 Jun-17 Jun-17 Mar-18 Mar-18 Sep-17 3) Jan -17 Scheduled Calibration Jun-17 Jan -17 Signature			
Primary Standards Power Meter NRP2 Power sensor NRP-Z91 Power sensor NRP-Z91 Reference10dBAttenuator Reference20dBAttenuator Reference Probe EX3DV4 DAE4 Secondary Standards SignalGeneratorMG3700A Network Analyzer E5071C Calibrated by:	ID # (101919) 101547 101548 18N50W-10dB 18N50W-20dB SN 7433 SN 1331 ID # 6201052605 MY46110673 Name	Cal Date(Calibrated by, Certificate No.) 27-Jun-16 (CTTL, No.J16X04777) 27-Jun-16 (CTTL, No.J16X04777) 27-Jun-16 (CTTL, No.J16X04777) 13-Mar-16(CTTL, No.J16X01547) 13-Mar-16(CTTL, No.J16X01548) 26-Sep-16(SPEAG, No.EX3-7433_Sep16) 21-Jan-16(SPEAG, No.DAE4-1331_Jan16 Cal Date(Calibrated by, Certificate No.) 27-Jun-16 (CTTL, No.J16X04776) 26-Jan-16 (CTTL, No.J16X00894) Function SAR Test Engineer	Jun-17 Jun-17 Jun-17 Mar-18 Mar-18 Sep-17 3) Jan -17 Scheduled Calibration Jun-17 Jan -17 Signature			
Primary Standards Power Meter NRP2 Power sensor NRP-Z91 Power sensor NRP-Z91 Reference10dBAttenuator Reference20dBAttenuator Reference Probe EX3DV4 DAE4 Secondary Standards SignalGeneratorMG3700A Network Analyzer E5071C Calibrated by: Reviewed by:	ID # (101919) 101547 101548 18N50W-10dB 18N50W-20dB SN 7433 SN 1331 ID # 6201052605 MY46110673 Name Yu Zongying	Cal Date(Calibrated by, Certificate No.) 27-Jun-16 (CTTL, No.J16X04777) 27-Jun-16 (CTTL, No.J16X04777) 27-Jun-16 (CTTL, No.J16X04777) 13-Mar-16(CTTL, No.J16X01547) 13-Mar-16(CTTL, No.J16X01548) 26-Sep-16(SPEAG, No.DAE4-1331_Jan16) 21-Jan-16(SPEAG, No.DAE4-1331_Jan16) Cal Date(Calibrated by, Certificate No.) 27-Jun-16 (CTTL, No.J16X04776) 26-Jan-16 (CTTL, No.J16X00894) Function	Jun-17 Jun-17 Jun-17 Mar-18 Mar-18 Sep-17 3) Jan -17 Scheduled Calibration Jun-17 Jan -17 Signature			
Primary Standards Power Meter NRP2 Power sensor NRP-Z91 Power sensor NRP-Z91 Reference10dBAttenuator Reference20dBAttenuator Reference Probe EX3DV4 DAE4 Secondary Standards SignalGeneratorMG3700A Network Analyzer E5071C Calibrated by: Reviewed by:	ID # (101919) 101547 101548 18N50W-10dB 18N50W-20dB SN 7433 SN 1331 ID # 6201052605 MY46110673 Name Yu Zongying	Cal Date(Calibrated by, Certificate No.) 27-Jun-16 (CTTL, No.J16X04777) 27-Jun-16 (CTTL, No.J16X04777) 27-Jun-16 (CTTL, No.J16X04777) 13-Mar-16(CTTL, No.J16X01547) 13-Mar-16(CTTL, No.J16X01548) 26-Sep-16(SPEAG, No.EX3-7433_Sep16) 21-Jan-16(SPEAG, No.DAE4-1331_Jan16 Cal Date(Calibrated by, Certificate No.) 27-Jun-16 (CTTL, No.J16X04776) 26-Jan-16 (CTTL, No.J16X00894) Function SAR Test Engineer	Jun-17 Jun-17 Jun-17 Mar-18 Mar-18 Sep-17 3) Jan -17 Scheduled Calibration Jun-17 Jan -17 Signature			
Power sensor NRP-Z91 Power sensor NRP-Z91 Reference10dBAttenuator Reference20dBAttenuator Reference Probe EX3DV4 DAE4 Secondary Standards SignalGeneratorMG3700A	ID # (101919) 101547 101548 18N50W-10dB 18N50W-20dB SN 7433 SN 1331 ID # 6201052605 MY46110673 Name Yu Zongying Qi Dianyuan	Cal Date(Calibrated by, Certificate No.) 27-Jun-16 (CTTL, No.J16X04777) 27-Jun-16 (CTTL, No.J16X04777) 27-Jun-16 (CTTL, No.J16X04777) 13-Mar-16(CTTL, No.J16X01547) 13-Mar-16(CTTL, No.J16X01548) 26-Sep-16(SPEAG,No.EX3-7433_Sep16) 21-Jan-16(SPEAG, No.DAE4-1331_Jan16 Cal Date(Calibrated by, Certificate No.) 27-Jun-16 (CTTL, No.J16X04776) 26-Jan-16 (CTTL, No.J16X0894) Function SAR Test Engineer SAR Project Leader	Jun-17 Jun-17 Jun-17 Mar-18 Mar-18 Sep-17 5) Jan -17 Scheduled Calibration Jun-17 Jan -17 Signature			

Certificate No: Z16-97251

Page 1 of 11





 Add: No.51 Xueyuan Road, Haidian District, Beijing, 100191, China

 Tel: +86-10-62304633-2218
 Fax: +86-10-62304633-2209

 E-mail: cttl@chinattl.com
 <u>Http://www.chinattl.cn</u>

#### **Glossary:**

TSL	tissue simulating liquid
NORMx,y,z	sensitivity in free space
ConvF	sensitivity in TSL / NORMx,y,z
DCP	diode compression point
CF	crest factor (1/duty_cycle) of the RF signal
A,B,C,D	modulation dependent linearization parameters
Polarization Φ	Φ rotation around probe axis
Polarization θ	θ rotation around an axis that is in the plane normal to probe axis (at measurement center), i
	$\theta=0$ is normal to probe axis

Connector Angle information used in DASY system to align probe sensor X to the robot coordinate system Calibration is Performed According to the Following Standards:

- a) IEEE Std 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, "Procedure to measure the Specific Absorption Rate (SAR) for hand-held devices used in close proximity to the ear (frequency range of 300MHz to 3GHz)", February 2005
- 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:

- NORMx, y, z: Assessed for E-field polarization θ=0 (f≤900MHz in TEM-cell; f>1800MHz: waveguide). NORMx, y, z are only intermediate values, i.e., the uncertainties of NORMx, y, z does not effect the E<sup>2</sup>-field uncertainty inside TSL (see below ConvF).
- NORM(f)x,y,z = NORMx,y,z\* frequency\_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 (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.
- Ax,y,z; Bx,y,z; Cx,y,z; VRx,y,z:A,B,C 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 RMS voltage across the diode.
- ConvF and Boundary Effect Parameters: Assessed in flat phantom using E-field (or Temperature Transfer Standard for f≤800MHz) and inside waveguide using analytical field distributions based on power measurements for f >800MHz. The same setups are used for assessment of the parameters applied for boundary compensation (alpha, depth) of which typical uncertainty valued are given. These parameters are used in DASY4 software to improve probe accuracy close to the boundary. The sensitivity in TSL corresponds to NORMx,y,z\* ConvF whereby the uncertainty corresponds to that given for ConvF. A frequency dependent ConvF is used in DASY version 4.4 and higher which allows extending the validity from±50MHz to±100MHz.
- Spherical isotropy (3D deviation from isotropy): in a field of low gradients realized using a flat phantom 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).

Certificate No: Z16-97251

Page 2 of 11





 Add: No.51 Xueyuan Road, Haidian District, Beijing, 100191, China

 Tel: +86-10-62304633-2218
 Fax: +86-10-62304633-2209

 E-mail: cttl@chinattl.com
 Http://www.chinattl.cn

# Probe EX3DV4

# SN: 3846

Calibrated: January 13, 2017

Calibrated for DASY/EASY Systems (Note: non-compatible with DASY2 system!)

Certificate No: Z16-97251

Page 3 of 11

©Copyright. All rights reserved by CTTL.