OPENSAR SW

👍 OpenSAR V5,00,00 (Project: TESTFORCOMPARE Messurement: Folder: messitestforcompare/phone/gsm900 gsm/vight_cheek_middle_22)							
ROBOT	SINGLE MEASUREMENT MODE						
MILTIMETER	MEASUREMENT PARAMETERS						
ОК	Measurement Type 📃	hone 🗾					
COMMUNICATION TESTER	Phantom Section	ight Head					
LOCAL MODE	Device Position	heek 🔳	User-defined				
	Standard 📴	SM 🔳					
Probe	Tested Band	SM900					
SN_1205_EP37	Channel 💹	iddle 🔄 🔲					
SN_XXXXX	Liquid 📃	ead Liquid					
				Dipole 1 (V/m)	11.247 30.32	WWW and	
A				Dipole 2 (V/m)	11.247 26.38	N. Winh m	
				Dipole 3 (V/m)	11.247	a month	
				E (V/m)	28.564 2 18.49	· wo.b	
				SAR (W/kg)	0.367 14.54	" "Without with a start with a	
				X Y Z Probe Coo	rdinates (mm) 10.60-	- now water	
				0.00 0.00	10.00	Samples	
				CHANNEL			
		1		Mase 💌			
anover 1	1		Vim 30.32				
			26.57		×		
			22.01		2		
	//		19.05	Opu	kity	SAR 1g= 0.873 W/kg	
			11.54			SAR 10g= 0.743 W/kg	
			7.78				
			0.27			mvg ComoSAR	
						OpenSAR	

OPENSAR software has been developed to perform SAR standard compliant measurements. It is part of MVG's COMOSAR bench and controls all the instrumentation delivered with this bench.

In addition, OPENSAR can easily integrate additional drivers upon customer request. OPENSAR software also uses optimized algorithms, particularly useful for the development phase of handset design.

Main features

Product category

Software

Function

 Controls ComoSAR test bench instrumentation for both certification and fast R&D measurements

User profile

SAR bench users

Related standard

 IEEE 1528; FCC OET Bulletin 65 (Ed. 97-01) supplement C and all related KDB;
IEC 62209-1/ IEC 62209-2; EN 50361:2001;
EN 50383

Related equipment

• Liquid measurement (LimeSAR)

Main Functions

OPENSAR is a user-friendly interface to supervise the proper functioning of the system:

- Configures measurement: once the measurement parameters have been defined, they will be loaded automatically.
- Imports handset 3D files to be used by the interface (3DS, IGES, STEP.....).
- Defines easily the probe path and resolution in plane and volume mode.
- Generates Word reports automatically and customizes the format of these reports.
- Gives views of E field amplitude in 3 modes:
- 3 D view of plane and volume measurements,
- 2 D view for each sensor of the probe and cut plan of the points being currently measured during the volume scan measurement.



The measurement of liquid dielectric properties is a module that can be integrated in OPENSAR. This enables the liquid values to be automatically updated.

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Optimized algorithms to reduce measurement time

Measurement time is a key factor in SAR calculation. OPENSAR uses optimized algorithms⁽¹⁾ to:

- Reduce the 2D and 3D scanning time from about 15 minutes (one phone, one position, 1 channel) down to 1 minute through 2D quick peak detection and 3D cube truncation algorithms.
- Halve the calculation time through handover between the low, middle and high channels within the same frequency.
- (1) "SAR Measurement time reducing via optimization algorithms and interpolation scheme", Jérôme Luc, Romain Butet, Emmanuel Le Brusq, Yann Toutain, SATIMO, Plouzané, France. Presented at BEMS conference 2006, Cancun, Mexico. This paper is referenced in the IEC 62209-2 standard.

OPENSAR SW						
Hardware requirements – in medium tower (no mini)						
21" screen min	PC INTEL CORE I3					
Cable link	1 LAN Ethernet					
Operating system	Win7 / Win10					
RAM	2 GB min (8 recommended)					
Software	MS OFFICE (Word/Excel); any PDF reader					
Ports	LAN + 2 slot PCI + min 6 USB ports					



Contact your local sales representative for more information <u>www.mvg-world.com</u> <u>salesteam@mvg-world.com</u>