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SAR Dipole Performance Measurement Report

EUT Type: SAR Validation Dipole and Waveguide
Model Name: DIP0G750, DIP0G835, DIP2G000, DIP2G450, DIP2G600, WGA32
Brand Name: SATIMO
Test Conclusion: Pass
Test Date: 01 July 2024
Date of Issue: 01 July 2024

Testing Engineer :

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(Xin.Liu)

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ISSUED BY
Shenzhen STS Test Services Co., Ltd.

1. Equipment List

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Calibrated Until
PC	Acer	N/A	N/A	N/A	N/A
E-Field Probe	MVG	SSE2	SN 07/21 EPGO352	2024.02.14	2025.02.13
Dielectric Probe Kit	MVG	SCLMP	SN 32/14 OCPG67	2023.10.25	2024.10.24
Phantom1	MVG	SAM	SN 32/14 SAM115	N/A	N/A
Phantom3	MVG	SAM	SN 21/21 ELLI48	N/A	N/A
Attenuator	Agilent	99899	DC-18GHz	N/A	N/A
Directional coupler	Narda	4226-20	3305	N/A	N/A
Network Analyzer	Agilent	E5071C	MY46520378	2023-09-26	2024-09-25
Multi Meter	Keithley	Multi Meter 2000	4050073	2023-09-26	2024-09-25
Signal Generator	Agilent	ZHL-42W	9638	2023.10.07	2024.10.06
Power Amplifier	DESAY	NRP	100510	2023-09-26	2024-09-25
Power Meter	R&S	NRP-Z11	101919	2023-09-26	2024-09-25
Power Sensor	R&S	U2021XA	MY56280002	2023-09-26	2024-09-25
Temperature hygrometer	SuWei	SW-108	N/A	2023.09.28	2024.09.27
Thermograph	Elitech	RC-4	S/N EF7176501537	2023.10.12	2024.10.11



2. <Justification of the extended calibration>

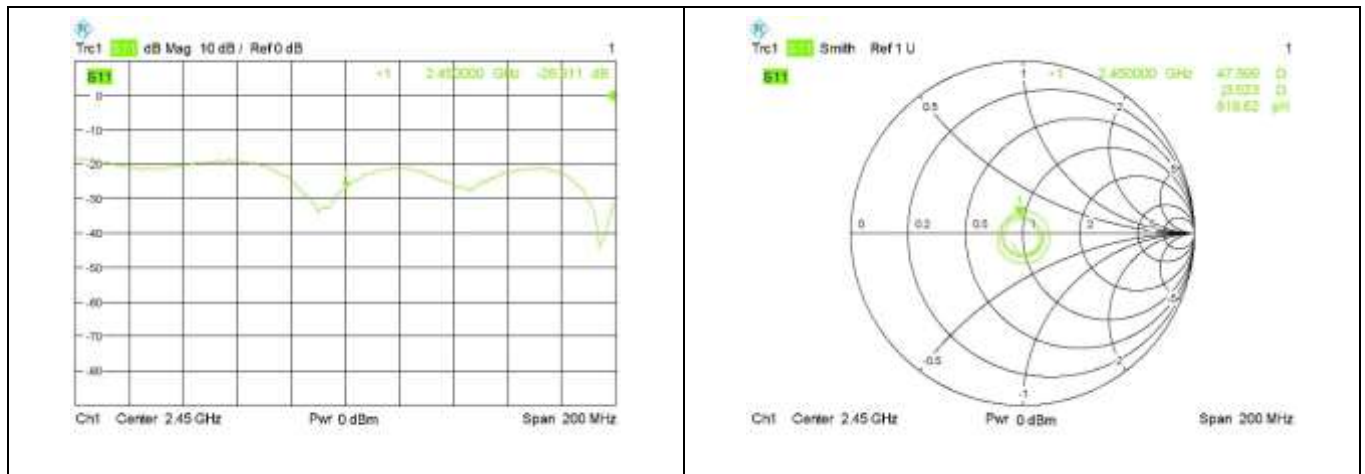
Referring to KDB 865664 D01, if dipoles are verified in return loss<-20dB, (within 20% of prior calibration), and in impedance (within 5 ohm of prior calibration), the annual calibration is not necessary and the calibration interval can be extended.

Head 2450 MHz				
Date of Measurement	Return Loss (dB)	Delta (%)	Impedance	Delta(ohm)
2023.07.04	-26.03	-	46.3	-
2024.07.01	-26.91	3.38	47.40	1.1

The return loss is <-20dB, within 20% of prior calibration; the impedance is within 5 ohm of prior calibration. Therefore the verification result should support extended calibration.

<Dipole Verification Data>

Head 2450 MHz





Body 2450 MHz				
Date of Measurement	Return Loss (dB)	Delta (%)	Impedance	Delta(ohm)
2023.07.04	-32.76	-	48.7	-
2024.07.01	-33.75	3.02	49.28	0.58

The return loss is <-20dB, within 20% of prior calibration; the impedance is within 5 ohm of prior calibration. Therefore the verification result should support extended calibration.

<Dipole Verification Data>

Body 2450 MHz

