

D1450V2 Calibration for Impedance and Return-loss

Equipment	Dipole Antenna	Model	D1450V2
Manufacture	Schmid&Partner Engineering AG	Serial	1024
Tested by	Miyo Kishimoto/ISE/ULI		

1. Test environment

Date	May 23, 2011		
Ambient Temperature	24.0 deg.C	Relative humidity	40%RH

2. Equipment used

Control No.	Instrument	Manufacturer	Model No	Serial No	Test Item	Calibration Date * Interval(month)
MNA-01	Network Analyzer	Agilent/HP	E8358A	US41080381	SAR	2010/08/19 * 12
MNCK-01	Type N Calibration Kit	Agilent	85032F	MY41495257	SAR	2010/08/10 * 12
MDA-12	Dipole Antenna	Schmid&Partner Engineering AG	D1450V2	1024	SAR	2009/06/23 * 36
MPF-02	2mmOval Flat Phantom ERI 4.0	Schmid&Partner Engineering AG	QD VA 001B (ERI4.0)	1045	SAR	2011/04/01 * 12
MOS-24	Thermo-Hygrometer	Custom	CTH-201	0005	SAR	2011/02/23 * 12
MSL1450						Daily check
SAR room						Daily check

3. Test Result

Impeadance, Transformed to feed point	Body	Deviation	Tolerance	Result
Calibration (SPEAG) 2009/06/23	51.1 Ω +0.8j Ω	-	-	-
Calibration(ULJ)2011/5/23	48.76 Ω -0.46j Ω	-2.34 Ω -1.26j Ω	+/-5 Ω +/-5j Ω	Complied

Return loss	Body	Deviation	Tolerance	Result
Calibration (SPEAG) 2009/06/23	-37.3dB	-	-	-
Calibration(ULJ)2011/5/23	-37.49dB	-0.19dB	-37.3 *+/-20%	Complied

*Tolerance : According to the KDB450824D02