System Validation

Probe 1787_DAE495_750MHz_Body_121120

System Validation - D750V3-SN:1012									
Frequency (MHz)	Liquid Type	Conductivity (σ)	Permittivity (εr)	Conductivity Target (σ)	Permittivity Target (εr)	Delta (σ) (%)	Delta (εr) (%)	Probe	DAE
750	**Body**	0.962	55.754	0.96	55.5	0.21	0.46	1787	495

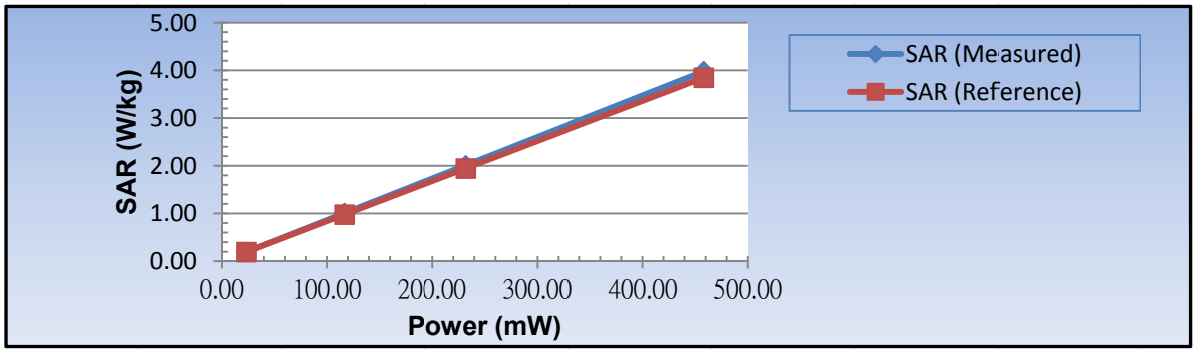
System Validation - D750V3-SN:1012									
Section	Multimeter	Measured SAR (W/kg)	Power Meter (dBm)	Power Meter (W)	1W Normalized SAR (W/kg)	1W Target SAR (W/kg)	Deviation (%)	Deviation Target (%)	Cube
3.3.2 Step 1 CW		3.85	26.04	0.40179	9.58	8.86	8.15	10	1g
		2.56	26.04	0.40179	6.37	5.91	7.81	10	10g
3.3.2 Step 2 CW	0.20		13.66	0.02323					
	1.01		20.67	0.11668					
	2.01		23.65	0.23174					
	3.98		26.61	0.45814					
3.3.2 Step 3 CW	1.60		22.66	0.18450					

System Validation

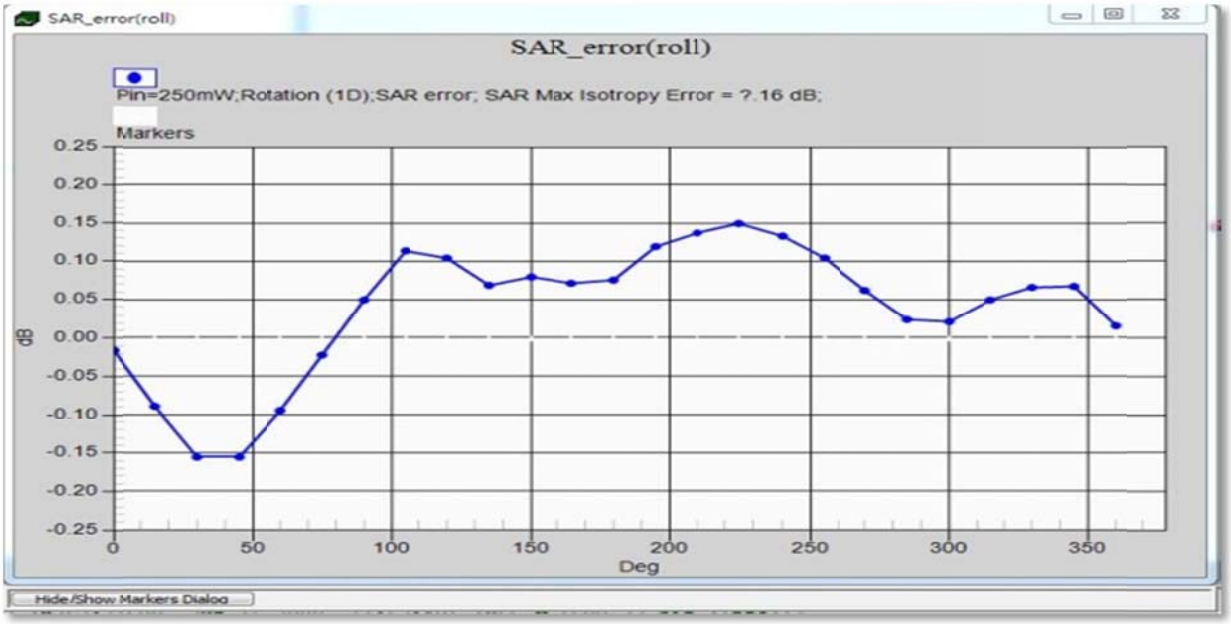
Probe 1787_DAE495_750MHz_Body_121120

3.3.2 Step 2 CW

Average Power (mW)	23.23	116.68	231.74	458.14
Single Point SAR (W/kg)	0.20	1.01	2.01	3.98
Reference Line (W/kg)	0.20	0.98	1.95	3.85
Deviation (%)	0.00%	2.90%	3.26%	3.48%



3.3.2 Step 3 CW



System Validation

Probe 3270_DAE778_835MHz_Body_121122

System Validation - D835V2 SN499									
Frequency (MHz)	Liquid Type	Conductivity (σ)	Permittivity (εr)	Conductivity Target (σ)	Permittivity Target (εr)	Delta (σ) (%)	Delta (εr) (%)	Probe	DAE
835	**Body**	0.963	53.551	0.97	55.2	-0.72	-2.99	3270	778

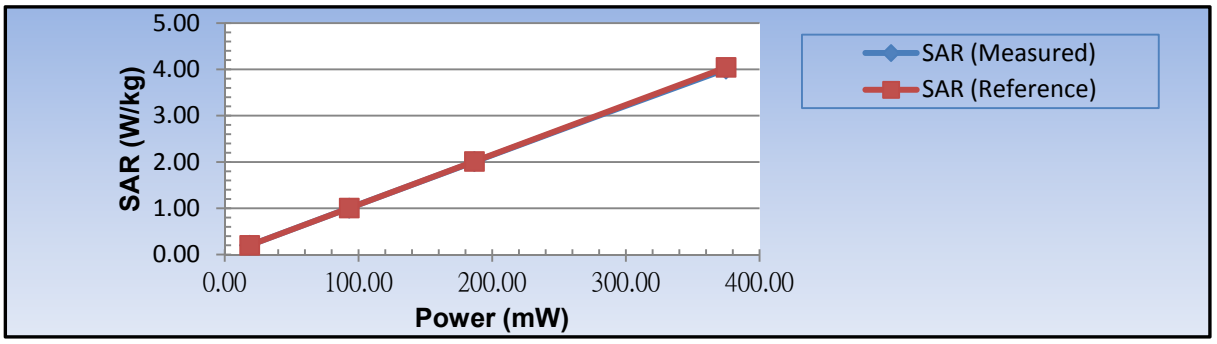
System Validation - D835V2 SN499									
Section	Multimeter	Measured SAR (W/kg)	Power Meter (dBm)	Power Meter (W)	1W Normalized SAR (W/kg)	1W Target SAR (W/kg)	Deviation (%)	Deviation Target (%)	Cube
3.3.2 Step 1 CW		4.06	26.20	0.41687	9.74	9.82	-0.82	10	1g
		2.70	26.20	0.41687	6.48	6.49	-0.20	10	10g
3.3.2 Step 2 CW	0.20		12.68	0.01854					
	1.00		19.69	0.09311					
	2.01		22.71	0.18664					
	4.00		25.74	0.37497					
3.3.2 Step 3 CW	1.59		21.68	0.14723					
3.3.3 Step 1 GMSK		1.55	21.75	0.14962	10.36	9.82	5.49	10	1g
		1.01	21.75	0.14962	6.75	6.49	4.01	10	10g

System Validation

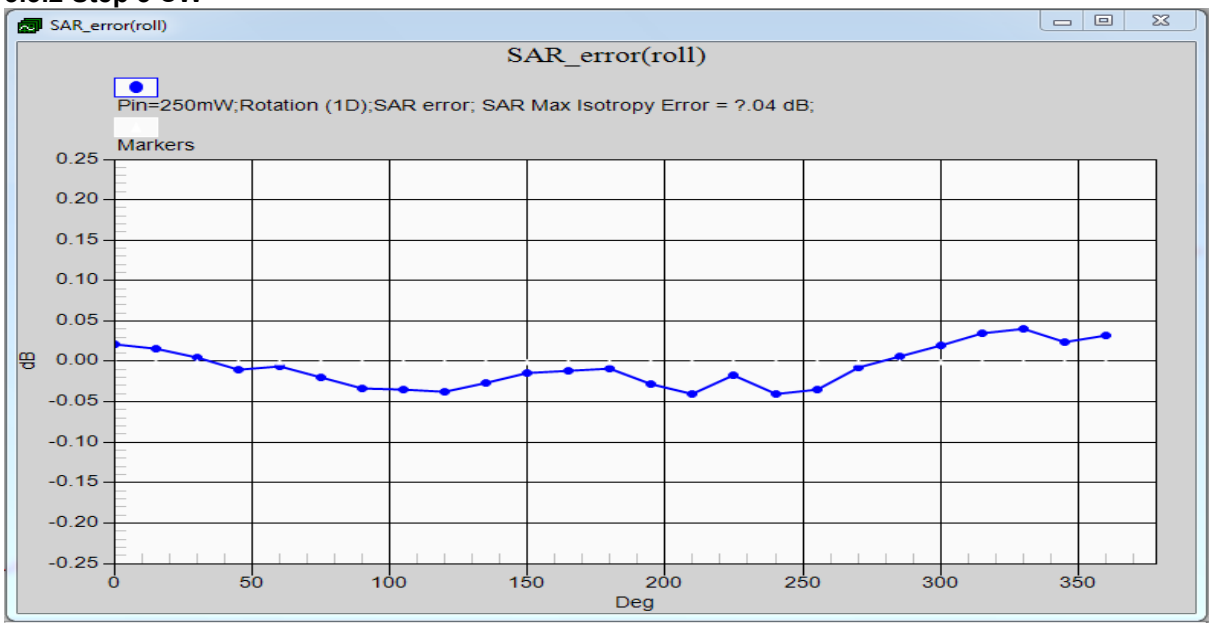
Probe 3270_DAE778_835MHz_Body_121122

3.3.2 Step 2 CW

Average Power (mW)	18.54	93.11	186.64	374.97
Single Point SAR (W/kg)	0.20	1.00	2.01	4.00
Reference Line (W/kg)	0.20	1.00	2.01	4.04
Deviation (%)	0.00%	-0.17%	-0.24%	-0.94%



3.3.2 Step 3 CW



System Validation

Probe 1787_DAE495_1750MHz_Body_121121

System Validation - D1750V2-SN:1068									
Frequency (MHz)	Liquid Type	Conductivity (σ)	Permittivity (εr)	Conductivity Target (σ)	Permittivity Target (εr)	Delta (σ) (%)	Delta (εr) (%)	Probe	DAE
1750	**Body**	1.515	52.41	1.52	53.3	-0.33	-1.67	1787	495

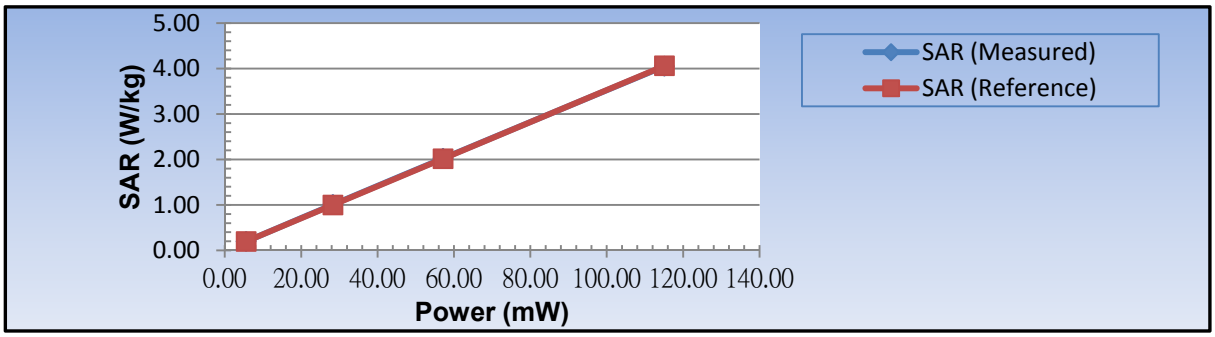
System Validation - D1750V2-SN:1068									
Section	Multimeter	Measured SAR (W/kg)	Power Meter (dBm)	Power Meter (W)	1W Normalized SAR (W/kg)	1W Target SAR (W/kg)	Deviation (%)	Deviation Target (%)	Cube
3.3.2 Step 1 CW		3.84	20.40	0.10965	35.02	36.80	-4.83	10	1g
		2.10	20.40	0.10965	19.15	19.90	-3.76	10	10g
3.3.2 Step 2 CW	0.197		7.47	0.00558					
	1.007		14.52	0.02831					
	2.024		17.57	0.05715					
	4.049		20.61	0.11508					
3.3.2 Step 3 CW	1.603		16.53	0.04498					

System Validation

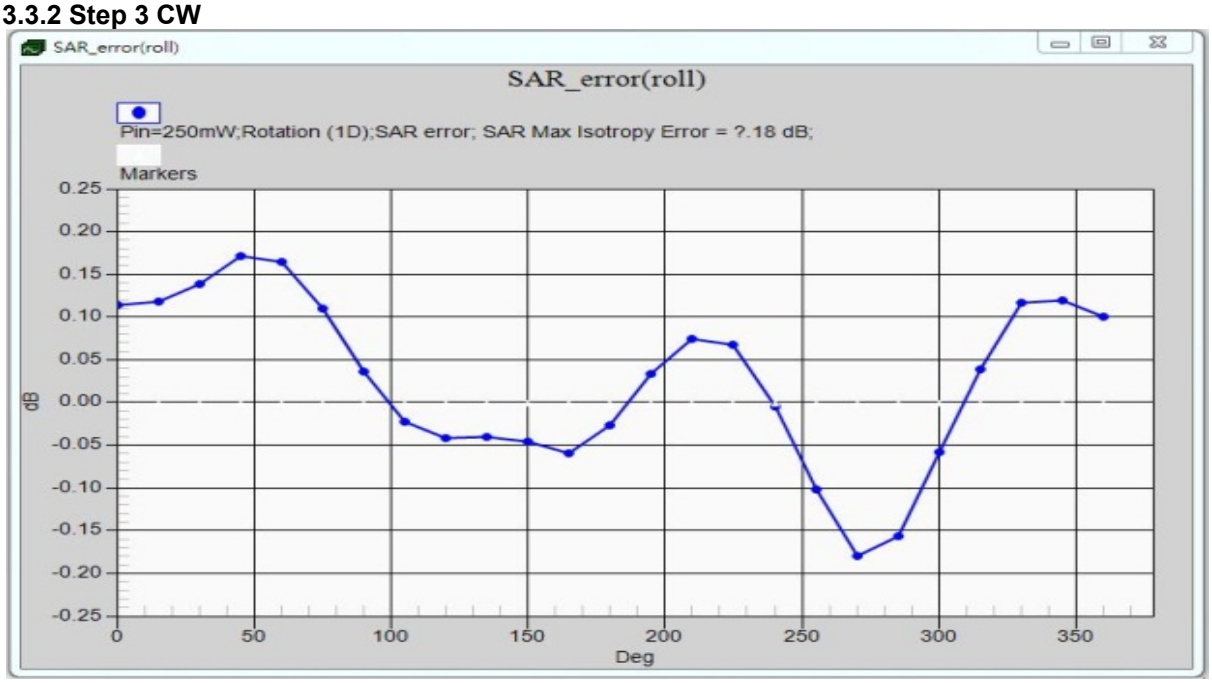
Probe 1787_DAE495_1750MHz_Body_121121

3.3.2 Step 2 CW

Average Power (mW)	5.58	28.31	57.15	115.08
Single Point SAR (W/kg)	0.20	1.01	2.02	4.05
Reference Line (W/kg)	0.20	1.00	2.02	4.06
Deviation (%)	0.00%	0.82%	0.40%	-0.26%



3.3.2 Step 3 CW



System Validation

Probe 3270_DAE778_1750MHz_Body_121122

System Validation - D1750V2-SN:1068									
Frequency (MHz)	Liquid Type	Conductivity (σ)	Permittivity (εr)	Conductivity Target (σ)	Permittivity Target (εr)	Delta (σ) (%)	Delta (εr) (%)	Probe	DAE
1750	**Body**	1.479	52.368	1.52	53.3	-2.70	-1.75	3270	778

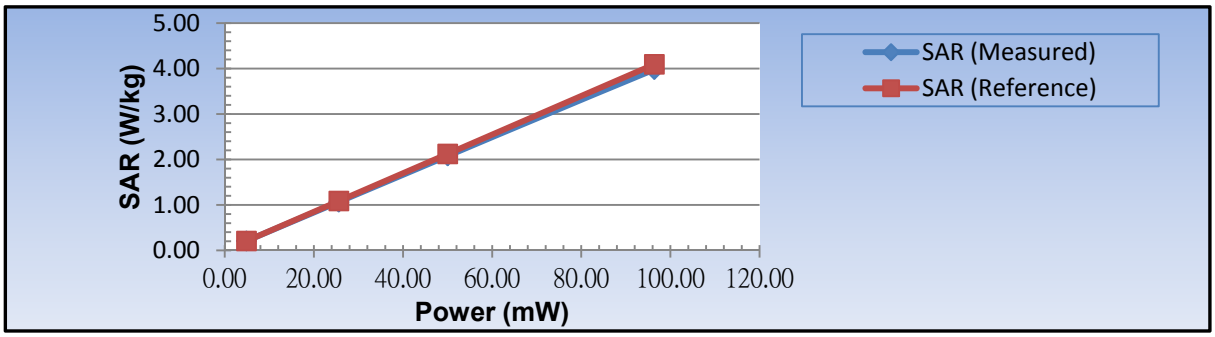
System Validation - D1750V2-SN:1068									
Section	Multimeter	Measured SAR (W/kg)	Power Meter (dBm)	Power Meter (W)	1W Normalized SAR (W/kg)	1W Target SAR (W/kg)	Deviation (%)	Deviation Target (%)	Cube
3.3.2 Step 1 CW		3.98	20.40	0.10965	36.30	36.80	-1.36	10	1g
		2.11	20.40	0.10965	19.24	19.90	-3.30	10	10g
3.3.2 Step 2 CW	0.206		6.86	0.00485					
	1.063		14.08	0.02559					
	2.079		16.99	0.05000					
	3.978		19.84	0.09638					
3.3.2 Step 3 CW	1.605		15.87	0.03864					

System Validation

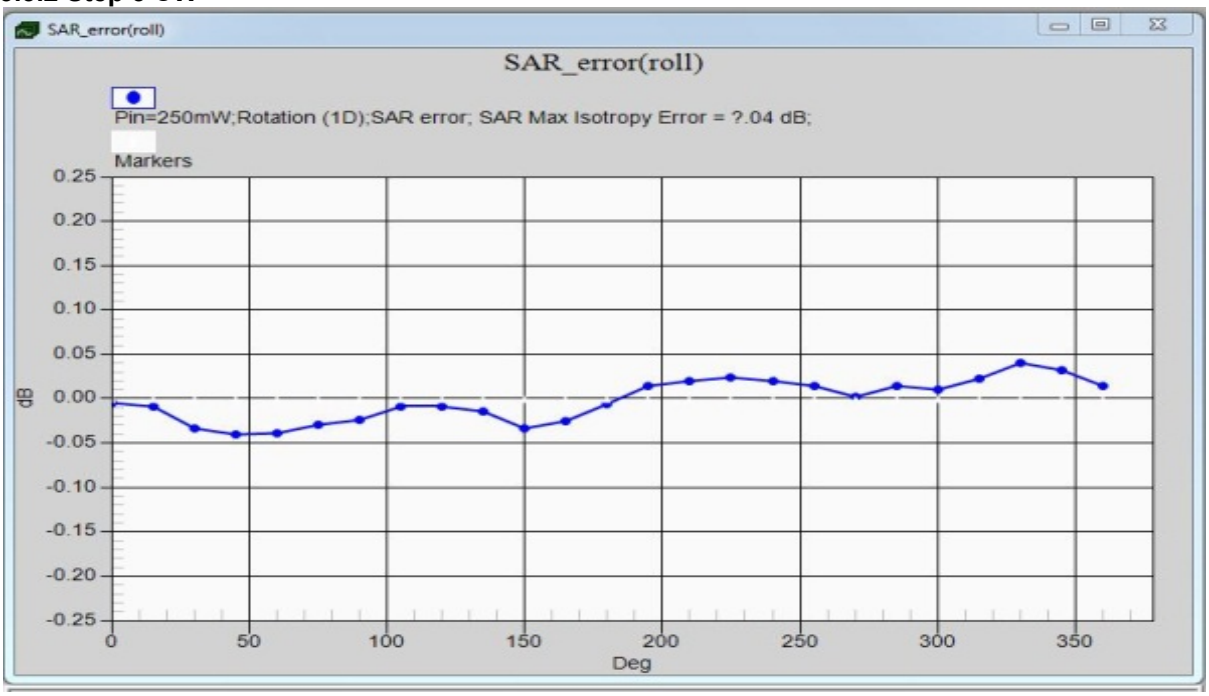
Probe 3270_DAE778_1750MHz_Body_121122

3.3.2 Step 2 CW

Average Power (mW)	4.85	25.59	50.00	96.38
Single Point SAR (W/kg)	0.21	1.06	2.08	3.98
Reference Line (W/kg)	0.21	1.09	2.12	4.09
Deviation (%)	0.00%	-2.13%	-2.05%	-2.77%



3.3.2 Step 3 CW



System Validation

Probe 1787_DAE495_1900MHz_Body_121119

System Validation - D1900V2-SN:5d041									
Frequency (MHz)	Liquid Type	Conductivity (σ)	Permittivity (εr)	Conductivity Target (σ)	Permittivity Target (εr)	Delta (σ) (%)	Delta (εr) (%)	Probe	DAE
1900	Body	1.534	51.986	1.52	53.3	0.92	-2.47	1787	495

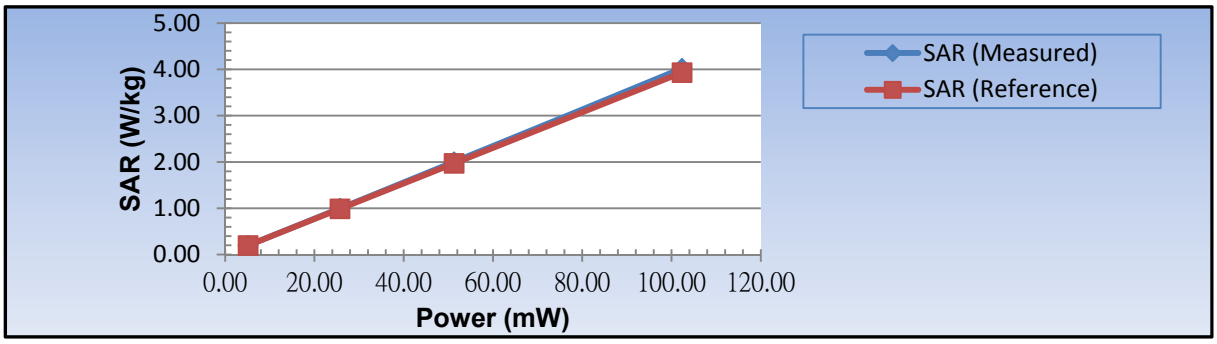
System Validation - D1900V2-SN:5d041									
Section	Multimeter	Measured SAR (W/kg)	Power Meter (dBm)	Power Meter (W)	1W Normalized SAR (W/kg)	1W Target SAR (W/kg)	Deviation (%)	Deviation Target (%)	Cube
3.3.2 Step 1 CW		4.03	20.10	0.10233	39.38	40.00	-1.54	10	1g
		2.20	20.10	0.10233	21.50	22.10	-2.72	10	10g
3.3.2 Step 2 CW	0.197		7.10	0.00513					
	0.999		14.10	0.02570					
	2.00		17.10	0.05129					
	4.02		20.10	0.10233					
3.3.2 Step 3 CW	1.60		16.20	0.04169					
3.3.3 Step 1 GMSK		1.73	16.45	0.04416	39.18	40.00	-2.05	10	1g
		0.914	16.45	0.04416	20.70	22.10	-6.34	10	10g

System Validation

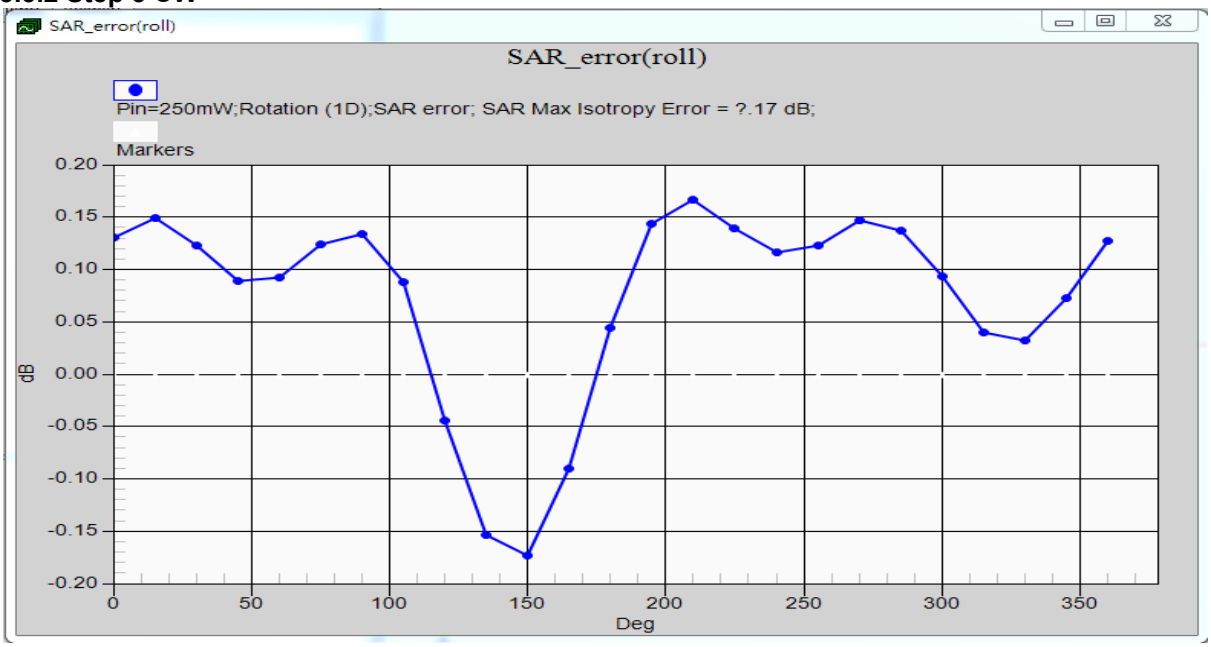
Probe 1787_DAE495_1900MHz_Body_121119

3.3.2 Step 2 CW

Average Power (mW)	5.13	25.70	51.29	102.33
Single Point SAR (W/kg)	0.20	1.00	2.00	4.02
Reference Line (W/kg)	0.20	0.99	1.97	3.93
Deviation (%)	0.00%	1.18%	1.52%	2.27%



3.3.2 Step 3 CW



System Validation

Probe 3270_DAE778_1900MHz_Body_121123

System Validation - D1900V2-SN:5d041									
Frequency (MHz)	Liquid Type	Conductivity (σ)	Permittivity (εr)	Conductivity Target (σ)	Permittivity Target (εr)	Delta (σ) (%)	Delta (εr) (%)	Probe	DAE
1900	Body	1.539	54.55	1.52	53.3	1.25	2.35	3270	778

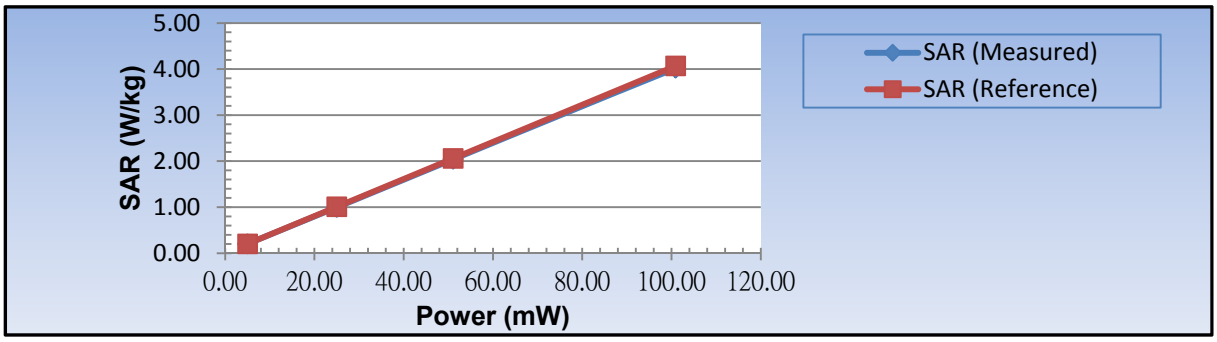
System Validation - D1900V2-SN:5d041									
Section	Multimeter	Measured SAR (W/kg)	Power Meter (dBm)	Power Meter (W)	1W Normalized SAR (W/kg)	1W Target SAR (W/kg)	Deviation (%)	Deviation Target (%)	Cube
3.3.2 Step 1 CW		4.15	19.95	0.09886	41.98	40.00	4.95	10	1g
		2.16	19.95	0.09886	21.85	22.10	-1.13	10	10g
3.3.2 Step 2 CW	0.202		7.00	0.00501					
	0.995		13.98	0.02500					
	2.04		17.08	0.05105					
	4.020		20.04	0.10093					
3.3.2 Step 3 CW	1.60		16.03	0.04009					
3.3.3 Step 1 GMSK		1.70	16.00	0.03981	42.70	40.00	6.76	10	1g
		0.874	16.00	0.03981	21.95	22.10	-0.66	10	10g

System Validation

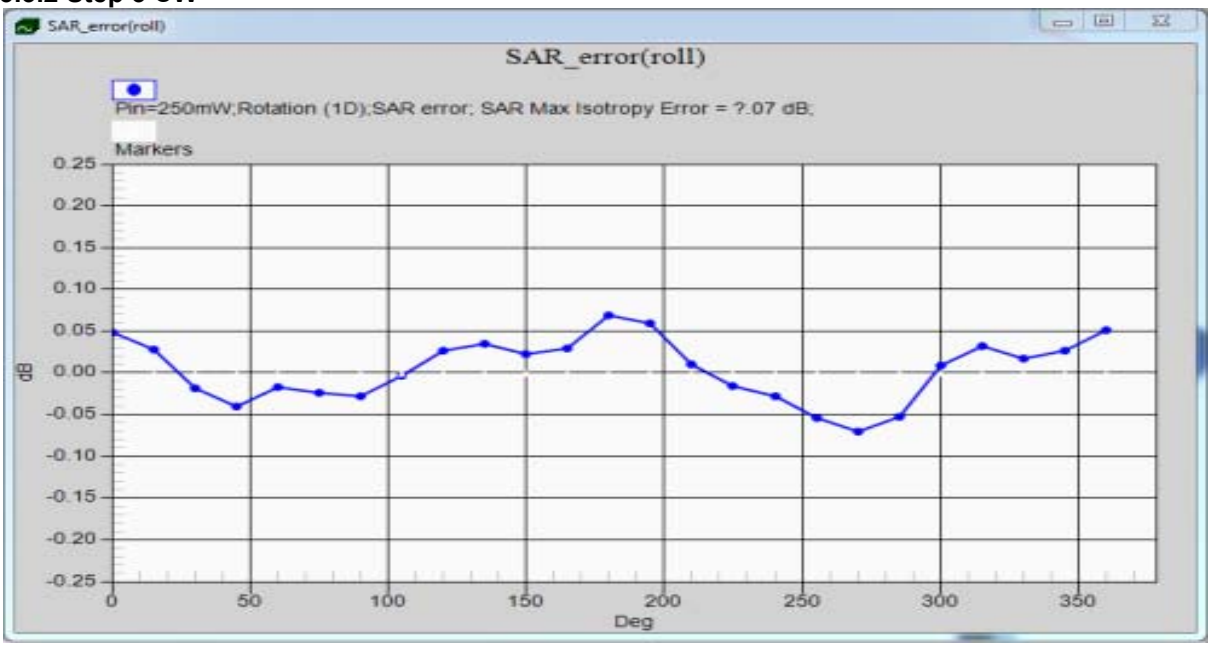
Probe 3270_DAE778_1900MHz_Body_121123

3.3.2 Step 2 CW

Average Power (mW)	5.01	25.00	51.05	100.93
Single Point SAR (W/kg)	0.20	1.00	2.04	4.02
Reference Line (W/kg)	0.20	1.01	2.06	4.07
Deviation (%)	0.00%	-1.26%	-0.85%	-1.17%



3.3.2 Step 3 CW



System Validation

Probe 3697_DAE1279_2450MHz_Body_121121

System Validation – D2450V2-SN:736									
Frequency (MHz)	Liquid Type	Conductivity (σ)	Permittivity (εr)	Conductivity Target (σ)	Permittivity Target (εr)	Delta (σ) (%)	Delta (εr) (%)	Probe	DAE
2450	**Body**	2.005	53.959	1.95	52.7	2.82	2.39	3697	1279

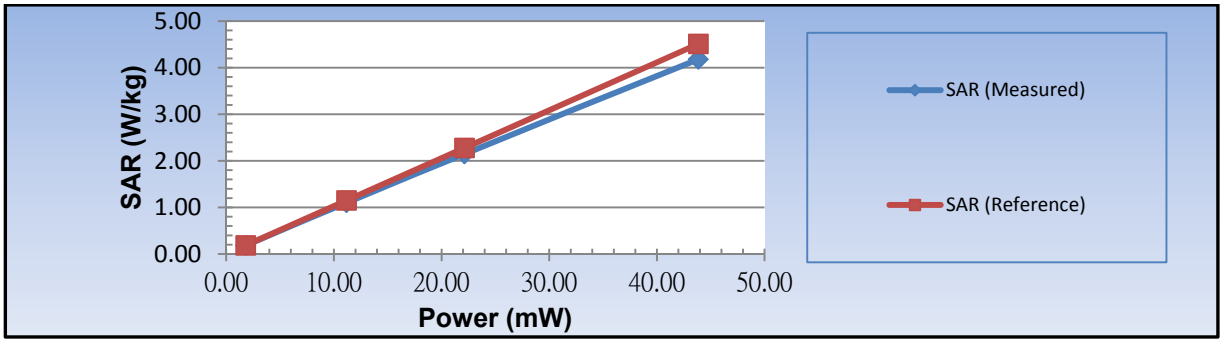
System Validation – D2450V2-SN:736									
Section	Multimeter	Measured SAR (W/kg)	Power Meter (dBm)	Power Meter (W)	1W Normalized SAR (W/kg)	1W Target SAR (W/kg)	Deviation (%)	Deviation Target (%)	Cube
3.3.2 Step 1 CW		4.05	18.50	0.07079	57.21	52.30	9.38	10	1g
		1.89	18.50	0.07079	26.70	24.50	8.97	10	10g
3.3.2 Step 2 CW	0.185		2.55	0.00180					
	1.100		10.48	0.01117					
	2.150		13.45	0.02213					
	4.18		16.42	0.04385					
3.3.2 Step 3 CW	1.620		12.69	0.01858					
3.3.3 Step 2 OFDM		3.95	18.38	0.06887	57.36	52.30	9.67	10	1g
		1.83	18.38	0.06887	26.57	24.50	8.46	10	10g
3.3.3 Step 3 OFDM	0.201		3.37	0.00217					
	1		10.63	0.01156					
	2.006		13.71	0.02350					
	3.994		16.65	0.04624					

System Validation

Probe 3697_DAE1279_2450MHz_Body_121121

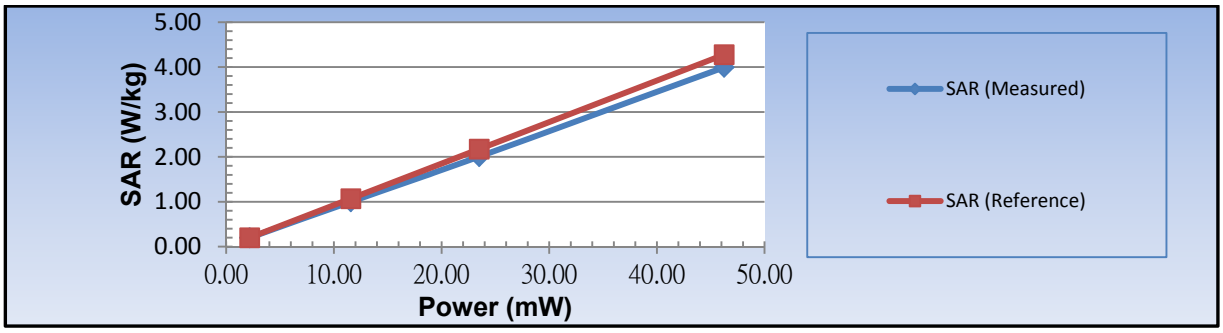
3.3.2 Step 2 CW

Average Power (mW)	1.80	11.17	22.13	43.85
Single Point SAR (W/kg)	0.19	1.10	2.15	4.18
Reference Line (W/kg)	0.19	1.15	2.28	4.51
Deviation (%)	0.00%	-4.23%	-5.54%	-7.32%



3.3.3 Step 3 OFDM

Average Power (mW)	2.17	11.56	23.50	46.24
Single Point SAR (W/kg)	0.20	1.00	2.01	3.99
Reference Line (W/kg)	0.20	1.07	2.17	4.28
Deviation (%)	0.00%	-6.50%	-7.71%	-6.63%



System Validation

Probe 3697_DAE1279_2450MHz_Body_121121

3.3.2 Step 3 CW