

13.1.4. SAR Test Results Summary

SAR MEASUREMENT									
Depth of Liquid (cm):>15					Relative Humidity (%): 53.2				
Product: Radio Walkie Talkie									
Test Mode: Hold to Face with 2.5 cm separation & body back touch with all accessories									
Position	Freq. (MHz)	Separation (KHz)	Power Drift (±0.2dB)	SAR 1g with 100% duty Cycle (W/kg)	SAR 1g with 50% duty cycle (W/kg)	Max. Tune-up Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit W/kg
450.0125-469.9875MHz									
Face Up	460	12.5	0.17	0.588	0.294	31.5	30.5	0.385	8.0
Back Touch +Belt Clip + headset	450.0125		-0.18	0.824	0.412	31.5	30.19	0.581	8.0
Back Touch +Belt Clip + headset	460		0.18	0.829	0.415	31.5	30.50	0.545	8.0
Back Touch +Belt Clip + headset	469.9875		-0.10	0.840	0.42	31.5	30.05	0.600	8.0

Note:

- During the test, EUT power is 31.5dBm with 100% duty cycle;
- There is just default battery and antenna in this project;
- $$\text{Max_Scaled} = \text{SAR_meas} \times 10^{\frac{|\text{Drift}|}{10}} \times \frac{P_{\text{max}}}{P_{\text{int}}} \times \text{DC}$$

P_{max} = Maximum Power(W)
 P_{int} = Initial Power(W)
Drift = DASY drift results(dB)
SAR_meas=Measured 10-g or 1-g Avg.SAR(W/kg)
DC = Transmission mode duty cycle in % where applicable 50% duty cycle is applied for PTT operation.
For conservative results, the following are applied:
If $P_{\text{int}} > P_{\text{max}}$, then $P_{\text{max}}/P_{\text{int}} = 1$. Drift = 1 for positive drift

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SAR MEASUREMENT									
Depth of Liquid (cm):>15					Relative Humidity (%): 60.5				
Product: Radio Walkie Talkie									
Test Mode: Hold to Face with 2.5 cm separation & body back touch with all accessories									
Position	Freq. (MHz)	Separation (KHz)	Power Drift (±0.2dB)	SAR 1g with 100% duty Cycle (W/kg)	SAR 1g with 50% duty cycle (W/kg)	Max. Tune-up Power (dBm)	Meas. output Power (dBm)	Scaled SAR (W/kg)	Limit W/kg
851.0125-868.9876MHz									
Face Up	860	12.5	-0.01	0.348	0.174	31.65	30.65	0.220	8.0
Back Touch +Belt Clip + headset	851.0125		-0.05	1.56	0.78	31.65	30.44	1.043	8.0
Back Touch +Belt Clip + headset	860		-0.18	1.58	0.79	31.65	30.65	1.037	8.0
Back Touch +Belt Clip + headset	868.9875		-0.13	1.62	0.81	31.65	30.48	1.093	8.0

Note:

- During the test, EUT power is 31.65dBm with 100% duty cycle;
- There is just default battery and antenna in this project;

$$6. \text{Max_ Scaled} = \text{SAR_meas} \times 10^{\frac{|\text{Drift}|}{10}} \times \frac{P_{\text{max}}}{P_{\text{int}}} \times \text{DC}$$

P_max = Maximum Power(W)

P_int = Initial Power(W)

Drift = DASY drift results(dB)

SAR_meas=Measured 10-g or 1-g Avg.SAR(W/kg)

DC = Transmission mode duty cycle in % where applicable 50% duty cycle is applied for PTT operation.

For conservative results, the following are applied:

If P_int > P_max, then P_max/P_int =1. Drift = 1 for positive drift