MEASUREMENT SUMMARY

SAR EVALUATION RESULTS

Freq. (MHz)	Chan.	Measured Conducted RF Output Power			Antenna Type	Separ. Dist. (cm)	Test Type	Measured SAR (W/kg)		SAR versus Time Drift (dB)	Scaled SAR (W/kg)	
		Before (W)	After (W)	Drift (dB)				100% Duty Cycle	50% Duty Cycle		100% Duty Cycle	50% Duty Cycle
450.05	Low	4.83	4.36	-0.45	Whip KRA-27(M)	2.5	Face-held	5.09	2.55	1.34	6.93	3.47
489.95	High	4.85	4.37	-0.46	Whip KRA-27(M)	2.5	Face-held	4.56	2.28	1.34	6.21	3.11
450.05	Low	4.63	4.23	-0.39	Stubby KRA-23(M)	2.5	Face-held	5.52	2.76	1.34	7.52	3.76
489.95	High	4.78	4.29	-0.47	Stubby KRA-23(M)	2.5	Face-held	6.33	3.17	1.34	8.62	4.31

ANSI / IEEE C95.1 1992 - SAFETY LIMIT
Spatial Peak - Controlled Exposure / Occupational
BRAIN: 8.0 W/kg (averaged over 1 gram)

Measured Fluid Type	450MHz Brain		**Atmospheric Pressure**	101.5 kPa
Dielectric Constant e_r	**IEEE Target**	**Measured**	**Relative Humidity**	48 %
	43.5 (+/-5%)	43.1	**Ambient Temperature**	24.4 °C
Conductivity s **(mho/m)**	**IEEE Target**	**Measured**	**Fluid Temperature**	21.6 °C
	0.87 (+/-5%)	0.84	**Fluid Depth**	≥ 15 cm

Note(s):

1. The ambient and fluid temperatures were measured prior to, and during, the fluid dielectric parameter check and the SAR evaluation. The temperatures listed were consistent for all measurement periods.
2. The dielectric properties of the simulated tissue fluid were measured prior to the evaluation using an 85070C Dielectric Probe Kit and an 8753E Network Analyzer (see attached printout of measured fluid dielectric parameters).
3. The EUT was evaluated in a face-held configuration with the front of the radio placed parallel to the outer surface of the planar phantom. A 2.5 cm separation distance was maintained between the front side of the EUT and the outer surface of the planar phantom for the duration of the tests. The EUT was evaluated for face-held SAR with both whip and stubby type antennas.
4. The conducted power levels were measured before and after each test according to the procedures described in FCC 47 CFR §2.1046. The measured conducted power drifts were comparable to those measured during the original SAR evaluation, therefore the original SAR versus time data was used for scaled SAR results as shown in the above table.
5. The EUT was tested in unmodulated continuous transmit operation (Continuous Wave mode at 100% duty cycle) with the transmit key constantly depressed. For a push-to-talk device the 50% duty cycle compensation reported assumes a transmit/receive cycle of equal time base.
6. The EUT was tested with a fully charged battery.
7. Due to the size of the EUT, a Plexiglas planar phantom was used in place of the SAM phantom.
8. A stack of low-density, low-loss dielectric foamed polystyrene was used in place of the device holder.

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