

APPENDIX C: SAR SYSTEM VALIDATION

Per FCC KDB Publication 865664 D02v01r02, SAR system validation status should be documented to confirm measurement accuracy. The SAR systems (including SAR probes, system components and software versions) used for this device were validated against its performance specifications prior to the SAR measurements. Reference dipoles were used with the required tissue- equivalent media for system validation, according to the procedures outlined in FCC KDB Publication 865664 D01v01r04 and IEEE 1528-2013. Since SAR probe calibrations are frequency dependent, each probe calibration point was validated at a frequency within the valid frequency range of the probe calibration point, using the system that normally operates with the probe for routine SAR measurements and according to the required tissue-equivalent media.

A tabulated summary of the system validation status including the validation date(s), measurement frequencies, SAR probes and tissue dielectric parameters has been included.

Table C-1
SAR System Validation Summary – 1g

System Validation														
SAR System	Freq. (MHz)	Date	Probe SN	DAE	Probe Cal Point		Cond. (σ)	Perm. (ϵ_r)	CW VALIDATION			MOD. VALIDATION		
									SENSITIVITY	PROBE LINEARITY	PROBE ISOTROPY	MOD. TYPE	DUTY FACTOR	PAR
M	750	8/14/2023	7410	1583	750	Head	0.858	40.312	PASS	PASS	PASS	N/A	N/A	N/A
M	835	8/15/2023	7410	1583	835	Head	0.888	40.045	PASS	PASS	PASS	GMSK	PASS	N/A
M	1900	8/15/2023	7410	1583	1900	Head	1.407	38.011	PASS	PASS	PASS	GMSK	PASS	N/A
M	2450	8/15/2023	7410	1583	2450	Head	1.808	37.644	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
M	2600	8/15/2023	7410	1583	2600	Head	1.927	37.358	PASS	PASS	PASS	TDD	PASS	N/A
G	5250	2/27/2023	7417	665	5250	Head	4.813	36.527	PASS	PASS	PASS	OFDM	N/A	PASS

NOTE: Modulations in the table above represent test configurations for which the measurement system has been validated per FCC KDB Publication 865664 D01v01r04 for scenarios when CW probe calibrations are used with other signal types. SAR systems were validated for modulated signals with a periodic duty cycle, such as GMSK, or with a high peak to average ratio (>5 dB), such as OFDM according to FCC KDB Publication 865664 D01v01r04.

FCC ID: A3LSMS928U	PART 2 RF EXPOSURE EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX C: Page 1 of 1