

APPENDIX G: 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 G-1
SAR System Validation Summary

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
G	13	04/03/2026	7570	859	13	Head	0.757	53.089	PASS	PASS	PASS	N/A	N/A	N/A
S6	750	02/12/2026	7803	1583	750	Head	0.891	42.548	PASS	PASS	PASS	N/A	N/A	N/A
S1	750	07/01/2026	7546	1368	750	Head	0.867	42.984	PASS	PASS	PASS	N/A	N/A	N/A
S1	835	07/01/2026	7546	1368	835	Head	0.895	42.759	PASS	PASS	PASS	GMSK	PASS	N/A
S6	1750	02/12/2026	7803	1583	1750	Head	1.342	40.654	PASS	PASS	PASS	N/A	N/A	N/A
S7	1750	06/12/2026	7402	1502	1750	Head	1.306	40.733	PASS	PASS	PASS	N/A	N/A	N/A
S6	1900	02/19/2026	7803	1583	1900	Head	1.378	39.397	PASS	PASS	PASS	GMSK	PASS	N/A
S7	1900	06/12/2026	7402	1502	1900	Head	1.390	40.566	PASS	PASS	PASS	GMSK	PASS	N/A
L	2450	03/30/2026	7539	1450	2450	Head	1.856	37.819	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
S7	2450	06/11/2026	7402	1502	2450	Head	1.844	39.165	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
S7	2600	06/11/2026	7402	1502	2600	Head	1.974	38.834	PASS	PASS	PASS	TDD	PASS	N/A
S1	5250	06/30/2026	7546	1368	5250	Head	4.538	36.054	PASS	PASS	PASS	OFDM	N/A	PASS
S8	5250	07/14/2026	7637	1652	5250	Head	4.556	35.501	PASS	PASS	PASS	OFDM	N/A	PASS
O	5250	07/31/2026	7488	1415	5250	Head	4.511	35.634	PASS	PASS	PASS	OFDM	N/A	PASS
S1	5600	06/30/2026	7546	1368	5600	Head	4.937	35.409	PASS	PASS	PASS	OFDM	N/A	PASS
S8	5600	07/14/2026	7637	1652	5600	Head	4.969	34.977	PASS	PASS	PASS	OFDM	N/A	PASS
O	5600	07/31/2026	7488	1415	5600	Head	4.888	35.051	PASS	PASS	PASS	OFDM	N/A	PASS
S1	5750	06/30/2026	7546	1368	5750	Head	5.114	35.157	PASS	PASS	PASS	OFDM	N/A	PASS
S8	5750	07/14/2026	7637	1652	5750	Head	5.112	34.545	PASS	PASS	PASS	OFDM	N/A	PASS
O	5750	07/31/2026	7488	1415	5750	Head	5.047	34.777	PASS	PASS	PASS	OFDM	N/A	PASS

NOTE: The probes have been calibrated for both CW and modulated signals. 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 A3LSMA185G	RF EXPOSURE TEST REPORT	Approved by: Technical Manager
DUT Type: Portable Handset	This report is Blockchain Verified. To verify the report authenticity, please visit https://www.blockchain-verified.com or by clicking on the Blockchain logo. 	APPENDIX G