

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	01/13/2025	7551	1323	13	Head	0.720	52.940	PASS	PASS	PASS	N/A	N/A	N/A
AM16	750	06/06/2024	7552	1676	750	Head	0.868	43.700	PASS	PASS	PASS	N/A	N/A	N/A
L	750	06/20/2024	7660	1678	750	Head	0.889	42.787	PASS	PASS	PASS	N/A	N/A	N/A
AM13	750	07/15/2024	7682	1683	750	Head	0.873	41.942	PASS	PASS	PASS	N/A	N/A	N/A
J	750	08/29/2024	7406	1677	750	Head	0.902	42.669	PASS	PASS	PASS	N/A	N/A	N/A
P	750	01/03/2025	7571	859	750	Head	0.890	40.830	PASS	PASS	PASS	N/A	N/A	N/A
O	835	06/24/2024	3914	728	835	Head	0.890	40.626	PASS	PASS	PASS	GMSK	PASS	N/A
E	835	06/28/2024	7409	1334	835	Head	0.920	40.919	PASS	PASS	PASS	GMSK	PASS	N/A
J	835	08/27/2024	7406	1677	835	Head	0.903	42.224	PASS	PASS	PASS	GMSK	PASS	N/A
AM9	835	10/09/2024	7782	1646	835	Head	0.918	41.269	PASS	PASS	PASS	GMSK	PASS	N/A
P	835	01/31/2025	7571	859	835	Head	0.921	40.593	PASS	PASS	PASS	GMSK	PASS	N/A
H	835	03/06/2025	7417	665	835	Head	0.913	41.717	PASS	PASS	PASS	GMSK	PASS	N/A
K2	835	03/16/2025	7565	1466	835	Head	0.920	41.638	PASS	PASS	PASS	GMSK	PASS	N/A
G	1640	03/31/2025	7539	1415	1639	Head	1.301	38.543	PASS	PASS	PASS	N/A	N/A	N/A
K6	1750	06/04/2024	7402	1502	1750	Head	1.355	40.702	PASS	PASS	PASS	N/A	N/A	N/A
E	1750	06/28/2024	7409	1334	1750	Head	1.361	39.081	PASS	PASS	PASS	N/A	N/A	N/A
AM16	1750	07/17/2024	7552	1676	1750	Head	1.311	39.971	PASS	PASS	PASS	N/A	N/A	N/A
K3	1750	11/11/2024	7558	1364	1750	Head	1.309	39.392	PASS	PASS	PASS	N/A	N/A	N/A
G	1900	04/03/2025	7488	1415	1750	Head	1.329	38.379	PASS	PASS	PASS	N/A	N/A	N/A
E	1900	07/03/2024	7409	1334	1900	Head	1.424	38.587	PASS	PASS	PASS	GMSK	PASS	N/A
AM16	1900	07/12/2024	7552	1676	1900	Head	1.411	39.883	PASS	PASS	PASS	GMSK	PASS	N/A
J	1900	08/27/2024	7406	1677	1900	Head	1.447	40.214	PASS	PASS	PASS	GMSK	PASS	N/A
K3	1900	11/11/2024	7558	1364	1900	Head	1.387	39.299	PASS	PASS	PASS	GMSK	PASS	N/A
R	1900	03/07/2025	7570	1638	1901	Head	1.441	40.789	PASS	PASS	PASS	GMSK	PASS	N/A
G	1900	04/03/2025	7488	1415	1900	Head	1.413	38.210	PASS	PASS	PASS	GMSK	PASS	N/A
AM10	2300	05/03/2024	7546	1402	2300	Head	1.638	40.948	PASS	PASS	PASS	N/A	N/A	N/A
K2	2300	03/10/2025	7565	1466	2300	Head	1.697	38.304	PASS	PASS	PASS	N/A	N/A	N/A
AM10	2300	03/27/2025	3837	793	2300	Head	1.648	38.991	PASS	PASS	PASS	N/A	N/A	N/A
O	2450	06/05/2024	3914	728	2450	Head	1.827	37.980	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
L	2450	06/19/2024	7660	1678	2450	Head	1.807	40.243	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
C	2450	02/19/2025	7713	1530	2450	Head	1.842	39.147	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
K2	2450	03/10/2025	7565	1466	2450	Head	1.803	37.850	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
AM10	2450	03/27/2025	3837	793	2450	Head	1.818	38.427	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
AM10	2600	05/03/2024	7546	1402	2600	Head	1.880	40.522	PASS	PASS	PASS	TDD	PASS	N/A
AM13	2600	06/03/2024	7682	1683	2600	Head	1.876	39.797	PASS	PASS	PASS	TDD	PASS	N/A
O	2600	06/05/2024	3914	728	2600	Head	1.937	37.677	PASS	PASS	PASS	TDD	PASS	N/A
L	2600	06/19/2024	7660	1678	2600	Head	1.929	39.995	PASS	PASS	PASS	TDD	PASS	N/A
C	2600	02/19/2025	7713	1530	2600	Head	1.967	38.891	PASS	PASS	PASS	TDD	PASS	N/A
AM7	2600	02/27/2025	7490	1644	2600	Head	2.040	37.880	PASS	PASS	PASS	TDD	PASS	N/A
K2	2600	03/07/2025	7565	1466	2600	Head	1.916	37.654	PASS	PASS	PASS	TDD	PASS	N/A
AM10	2600	03/27/2025	3837	793	2600	Head	1.992	37.815	PASS	PASS	PASS	TDD	PASS	N/A
L	3500	06/12/2024	7660	1678	3500	Head	2.818	39.229	PASS	PASS	PASS	TDD	PASS	N/A
K4	3500	01/07/2025	7547	1322	3500	Head	2.876	36.555	PASS	PASS	PASS	TDD	PASS	N/A
K4	3500	03/03/2025	7491	1532	3500	Head	2.973	36.695	PASS	PASS	PASS	TDD	PASS	N/A
L	3700	06/12/2024	7660	1678	3700	Head	3.012	38.863	PASS	PASS	PASS	TDD	PASS	N/A
K4	3700	01/07/2025	7547	1322	3700	Head	3.047	36.312	PASS	PASS	PASS	TDD	PASS	N/A
K4	3700	03/04/2025	7491	1532	3700	Head	3.093	36.687	PASS	PASS	PASS	TDD	PASS	N/A
L	3900	06/12/2024	7660	1678	3900	Head	3.220	38.526	PASS	PASS	PASS	TDD	PASS	N/A
K4	3900	03/08/2025	7491	1532	3900	Head	3.209	36.405	PASS	PASS	PASS	TDD	PASS	N/A
S	5250	07/19/2024	7803	1583	5250	Head	4.685	35.198	PASS	PASS	PASS	OFDM	N/A	PASS
S	5600	07/19/2024	7803	1583	5600	Head	5.085	34.550	PASS	PASS	PASS	OFDM	N/A	PASS
S	5750	07/19/2024	7803	1583	5750	Head	5.262	34.250	PASS	PASS	PASS	OFDM	N/A	PASS
S	5850	07/19/2024	7803	1583	5850	Head	5.380	34.060	PASS	PASS	PASS	OFDM	N/A	PASS
AM2	6500	09/18/2024	3949	1684	6500	Head	6.165	33.694	PASS	PASS	PASS	OFDM	N/A	PASS
R	6500	02/27/2025	7570	1638	6500	Head	5.868	34.355	PASS	PASS	PASS	OFDM	N/A	PASS
R	8000	03/29/2025	7570	1638	8000	Head	7.384	31.711	PASS	PASS	PASS	N/A	N/A	N/A

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: A3LSMF966U	RF EXPOSURE PART 1 TEST REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX G: Page 1 of 1