

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
O	750	06/26/2024	3914	728	750	Head	0.862	41.319	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
G	750	02/12/2025	7551	1323	750	Head	0.918	41.554	PASS	PASS	PASS	N/A	N/A	N/A
E	835	06/28/2024	7409	1334	835	Head	0.920	40.919	PASS	PASS	PASS	GMSK	PASS	N/A
S	835	07/26/2024	7803	1583	835	Head	0.938	42.712	PASS	PASS	PASS	GMSK	PASS	N/A
M	835	01/02/2025	7661	1558	835	Head	0.931	41.671	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
AM16	1750	07/17/2024	7552	1676	1750	Head	1.311	39.971	PASS	PASS	PASS	N/A	N/A	N/A
J	1750	08/27/2024	7406	1677	1750	Head	1.354	40.343	PASS	PASS	PASS	N/A	N/A	N/A
K3	1750	11/11/2024	7558	1364	1750	Head	1.309	39.382	PASS	PASS	PASS	N/A	N/A	N/A
P	1750	01/31/2025	7571	859	1750	Head	1.361	38.772	PASS	PASS	PASS	N/A	N/A	N/A
K6	1900	06/05/2024	7402	1502	1900	Head	1.450	40.126	PASS	PASS	PASS	GMSK	PASS	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
P	1900	01/31/2025	7571	859	1900	Head	1.454	39.945	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
C	2450	02/19/2025	7713	1530	2450	Head	1.842	39.147	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
O	2450	05/01/2025	7718	1407	2450	Head	1.800	39.200	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
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
P	2600	02/03/2025	7571	859	2600	Head	1.972	39.145	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
H	3500	03/03/2025	7417	665	3500	Head	2.810	38.407	PASS	PASS	PASS	TDD	PASS	N/A
H	3700	03/03/2025	7417	665	3700	Head	3.010	38.055	PASS	PASS	PASS	TDD	PASS	N/A
H	3900	03/03/2025	7417	665	3900	Head	3.213	37.710	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
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: A3LSMF966B	RF EXPOSURE PART 1 TEST REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX G: Page 1 of 1