

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	12/30/2025	7527	1415	13	Head	0.776	52.613	PASS	PASS	PASS	N/A	N/A
G	750	06/04/2025	7488	1415	750	Head	0.870	40.461	PASS	PASS	PASS	N/A	N/A
O	750	07/23/2025	7718	1407	750	Head	0.883	42.967	PASS	PASS	PASS	N/A	N/A
J	750	10/08/2025	7660	1678	750	Head	0.874	42.605	PASS	PASS	PASS	N/A	N/A
L	835	05/01/2025	7659	1272	835	Head	0.920	40.468	PASS	PASS	PASS	GMSK	PASS
G	835	06/04/2025	7488	1415	835	Head	0.898	40.223	PASS	PASS	PASS	GMSK	PASS
O	835	07/23/2025	7718	1407	835	Head	0.916	42.748	PASS	PASS	PASS	GMSK	PASS
J	835	10/08/2025	7660	1678	835	Head	0.874	42.605	PASS	PASS	PASS	GMSK	PASS
N	1750	02/05/2025	7410	1213	1750	Head	1.340	38.895	PASS	PASS	PASS	N/A	N/A
L	1750	06/02/2025	7659	1272	1750	Head	1.341	39.242	PASS	PASS	PASS	N/A	N/A
O	1750	07/22/2025	7718	1407	1750	Head	1.345	41.131	PASS	PASS	PASS	N/A	N/A
S1	1750	11/05/2025	7637	1652	1750	Head	1.359	41.669	PASS	PASS	PASS	N/A	N/A
M	1750	12/01/2025	7406	1677	1750	Head	1.348	39.305	PASS	PASS	PASS	N/A	N/A
L	1900	06/02/2025	7659	1272	1900	Head	1.341	39.242	PASS	PASS	PASS	GMSK	PASS
O	1900	07/23/2025	7718	1407	1900	Head	1.423	40.847	PASS	PASS	PASS	GMSK	PASS
M	1900	08/20/2025	7713	1530	1900	Head	1.432	39.046	PASS	PASS	PASS	GMSK	PASS
M	1900	12/02/2025	7406	1677	1900	Head	1.432	39.046	PASS	PASS	PASS	GMSK	PASS
G	2450	04/09/2025	7488	1415	2450	Head	1.867	39.580	PASS	PASS	PASS	OFDM/TDD	PASS
O	2450	05/01/2025	7718	1407	2450	Head	1.766	40.858	PASS	PASS	PASS	OFDM/TDD	PASS
S	2450	07/31/2025	7661	1558	2450	Head	1.806	40.546	PASS	PASS	PASS	OFDM/TDD	PASS
S3	2450	09/05/2025	7640	1645	2450	Head	1.784	40.207	PASS	PASS	PASS	OFDM/TDD	PASS
J	2450	09/07/2025	7660	1678	2450	Head	1.829	40.293	PASS	PASS	PASS	OFDM/TDD	PASS
S5	2450	09/09/2025	7565	1466	2450	Head	1.794	38.730	PASS	PASS	PASS	OFDM/TDD	PASS
M	2450	12/03/2025	7406	1677	2450	Head	1.785	38.777	PASS	PASS	PASS	OFDM/TDD	PASS
S3	2600	09/08/2025	7640	1645	2600	Head	1.917	40.388	PASS	PASS	PASS	TDD	PASS
S4	2600	09/26/2025	7491	1466	2600	Head	1.906	39.469	PASS	PASS	PASS	TDD	PASS
S2	2600	10/17/2025	7402	1502	2600	Head	1.904	39.462	PASS	PASS	PASS	TDD	PASS
S2	3500	09/08/2025	7402	1502	3500	Head	2.793	39.650	PASS	PASS	PASS	TDD	PASS
S3	3500	10/30/2025	7558	1364	3500	Head	2.960	37.205	PASS	PASS	PASS	TDD	PASS
S2	3700	09/08/2025	7402	1502	3700	Head	2.996	39.144	PASS	PASS	PASS	TDD	PASS
S3	3700	10/31/2025	7558	1364	3700	Head	3.148	36.574	PASS	PASS	PASS	TDD	PASS
S2	3900	09/09/2025	7402	1502	3900	Head	3.178	38.840	PASS	PASS	PASS	TDD	PASS
S3	3900	10/31/2025	7558	1364	3900	Head	3.310	36.303	PASS	PASS	PASS	TDD	PASS
O	5250	06/20/2025	7718	1407	5250	Head	4.578	34.515	PASS	PASS	PASS	OFDM	N/A
S	5250	06/28/2025	7661	1558	5250	Head	4.670	37.252	PASS	PASS	PASS	OFDM	N/A
S1	5250	09/04/2025	7637	1652	5250	Head	4.507	34.843	PASS	PASS	PASS	OFDM	N/A
O	5600	06/20/2025	7718	1407	5600	Head	4.965	33.896	PASS	PASS	PASS	OFDM	N/A
S	5600	06/28/2025	7661	1558	5600	Head	5.089	36.678	PASS	PASS	PASS	OFDM	N/A
S1	5600	09/04/2025	7637	1652	5600	Head	4.894	34.133	PASS	PASS	PASS	OFDM	N/A
O	5750	06/19/2025	7718	1407	5750	Head	5.342	33.876	PASS	PASS	PASS	OFDM	N/A
S	5750	06/28/2025	7661	1558	5750	Head	5.207	36.330	PASS	PASS	PASS	OFDM	N/A
S1	5750	09/05/2025	7637	1652	5750	Head	5.199	34.208	PASS	PASS	PASS	OFDM	N/A
O	5850	06/19/2025	7718	1407	5850	Head	5.465	33.673	PASS	PASS	PASS	OFDM	N/A
S	5850	06/28/2025	7661	1558	5850	Head	5.372	36.168	PASS	PASS	PASS	OFDM	N/A
S1	5850	09/05/2025	7637	1652	5850	Head	5.313	33.912	PASS	PASS	PASS	OFDM	N/A
R	6500	02/27/2025	7570	1638	6500	Head	5.868	34.355	PASS	PASS	PASS	OFDM	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: A3LSMS942B	RF EXPOSURE PART 1 TEST REPORT	Approved by: Technical Manager
DUT Type: Portable Handset		APPENDIX G: Page 1 of 1