

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.

SAR System	Freq. (MHz)	Date	Probe SN	DAE			Cond	Perm. (εr)	CW VALIDATION			MOD. VALIDATION		
					Probe C	Cal Point (σ)			SENSITIVIT Y	PROBE LINEARITY	PROBE ISOTROPY	MOD. TYPE	DUTY FACTOR	PAR
G	13	03/11/2024	7713	1530	13	Head	0.733	52.735	PASS	PASS	PASS	N/A	N/A	N/A
K3	750	11/11/2024	7558	1364	750	Head	0.893	41.162	PASS	PASS	PASS	N/A	N/A	N/A
K6	835	06/04/2024	7402	1502	835	Head	0.925	42.496	PASS	PASS	PASS	GMSK	PASS	N/A
K3	835	09/30/2024	7558	1364	835	Head	0.894	43.165	PASS	PASS	PASS	GMSK	PASS	N/A
Р	1750	05/15/2024	7718	665	1750	Head	1.323	39.515	PASS	PASS	PASS	N/A	N/A	N/A
0	1750	06/24/2024	3914	728	1750	Head	1.371	40.079	PASS	PASS	PASS	N/A	N/A	N/A
K4	1900	03/26/2024	7565	1466	1900	Head	1.445	40.596	PASS	PASS	PASS	GMSK	PASS	N/A
Р	1900	05/15/2024	7718	665	1900	Head	1.414	39.331	PASS	PASS	PASS	GMSK	PASS	N/A
0	1900	06/24/2024	3914	728	1900	Head	1.422	38.667	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
K4	2450	03/25/2024	7565	1466	2450	Head	1.871	39.952	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
K6	2450	06/04/2024	7402	1502	2450	Head	1.831	39.654	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
K4	2600	03/25/2024	7565	1466	2600	Head	2.000	39.703	PASS	PASS	PASS	TDD	PASS	N/A
K6	2600	06/04/2024	7402	1502	2600	Head	1.937	39.481	PASS	PASS	PASS	TDD	PASS	N/A
K2	2600	09/25/2024	7640	1645	2600	Head	1.953	37.739	PASS	PASS	PASS	TDD	PASS	N/A
K6	5250	06/03/2024	7402	1502	5250	Head	4.557	35.833	PASS	PASS	PASS	OFDM	N/A	PASS
K6	5600	06/03/2024	7402	1502	5600	Head	4.937	35.241	PASS	PASS	PASS	OFDM	N/A	PASS
K6	5750	06/03/2024	7402	1502	5750	Head	5.109	34.996	PASS	PASS	PASS	OFDM	N/A	PASS
K6	5850	06/03/2024	7402	1502	5850	Head	5.229	34.867	PASS	PASS	PASS	OFDM	N/A	PASS
С	6500	06/20/2024	7659	1407	6500	Head	6.128	34.321	PASS	PASS	PASS	OFDM	N/A	PASS
R	8000	07/18/2024	7527	1272	8000	Head	7.985	31.778	PASS	PASS	PASS	N/A	N/A	N/A

Table G-1 SAR System Validation Summary

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: A3LSMS938JPN	RF Exposure Part 1 Test Report	Approved by: Technical Manager				
DUT Type: Portable Handset						