APPENDIX F: 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 F-1
SAR System Validation Summary

SAR System	Freq. (MHz)	Date	Probe SN	DAE	Probe Cal Point		Cond. (σ)	Perm. (εr)	CW VALIDATION			MOD. VALIDATION		
									SENSITIVITY	PROBE LINEARITY	PROBE ISOTROPY	MOD. TYPE	DUTY FACTOR	PAR
K6	2450	06/04/2024	7402	1502	2450	Head	1.831	39.654	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
O	2450	06/05/2024	3914	728	2450	Head	1.827	37.860	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
G	5250	01/31/2024	7713	1530	5250	Head	4.510	36.500	PASS	PASS	PASS	OFDM	N/A	PASS
G	5600	01/31/2024	7713	1530	5600	Head	4.960	35.700	PASS	PASS	PASS	OFDM	N/A	PASS
G	5750	01/31/2024	7713	1530	5750	Head	5.070	35.500	PASS	PASS	PASS	OFDM	N/A	PASS
G	5850	01/31/2024	7713	1530	5850	Head	5.180	35.300	PASS	PASS	PASS	OFDM	N/A	PASS
C	6500	06/20/2024	7659	1407	6500	Head	6.128	34.321	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.