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 - Head

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
C	2300	08/10/2022	7406	1677	2300	Head	1.691	38.091	PASS	PASS	PASS	N/A	N/A	N/A
O	2450	02/08/2023	7570	1558	2450	Head	1.839	38.743	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
K2	2450	02/21/2023	7565	1466	2450	Head	1.817	39.941	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
G	5250	02/27/2023	7417	665	5250	Head	4.813	36.527	PASS	PASS	PASS	OFDM	N/A	PASS
G	5600	02/28/2023	7417	665	5600	Head	5.235	35.880	PASS	PASS	PASS	OFDM	N/A	PASS
G	5750	02/28/2023	7417	665	5750	Head	5.419	35.830	PASS	PASS	PASS	OFDM	N/A	PASS
G	5800	02/28/2023	7417	665	5850	Head	5.454	35.742	PASS	PASS	PASS	OFDM	N/A	PASS

Table G-2
SAR System Validation Summary - Body

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
K2	2450	02/28/2023	7565	1466	2450	Body	2.037	51.990	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
K3	5250	11/11/2022	7547	1322	5250	Body	5.455	46.981	PASS	PASS	PASS	OFDM	N/A	PASS
K3	5600	11/11/2022	7547	1322	5600	Body	5.924	46.376	PASS	PASS	PASS	OFDM	N/A	PASS
K3	5750	11/11/2022	7547	1322	5750	Body	6.130	46.133	PASS	PASS	PASS	OFDM	N/A	PASS
K3	5800	12/05/2022	7547	1322	5850	Body	6.224	46.051	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.