APPENDIX C: 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 C-1
SAR System Validation Summary – 1g

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
M	750	02/08/2024	7551	1323	750	Head	0.904	42.151	PASS	PASS	PASS	N/A	N/A	N/A
M	835	02/08/2024	7551	1323	835	Head	0.868	40.737	PASS	PASS	PASS	GMSK	PASS	N/A
M	1900	02/07/2024	7551	1323	1900	Head	1.387	39.417	PASS	PASS	PASS	GMSK	PASS	N/A
M	3700	02/12/2024	7551	1323	3700	Head	2.999	37.360	PASS	PASS	PASS	TDD	PASS	N/A
N	5750	02/16/2024	7571	859	5750	Head	5.330	24.719	PASS	PASS	PASS	OFDM	N/A	PASS
R	6500	01/26/2024	7410	1638	6500	Head	5.980	33.300	PASS	PASS	PASS	OFDM	N/A	PASS

NOTE: 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.