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. (εr)	CW VALIDATION			MOD. VALIDATION		
									SENSITIVITY	PROBE LINEARITY	PROBE ISOTROPY	MOD. TYPE	DUTY FACTOR	PAR
AM1	2450	01/09/2023	7420	1333	2450	Body	2.024	51.852	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
AM5	2450	01/17/2023	7639	1646	2450	Body	1.987	53.767	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
K2	5250	02/23/2023	7565	1466	5250	Body	5.433	47.122	PASS	PASS	PASS	OFDM	N/A	PASS
AM8	5250	05/05/2023	7421	604	5250	Body	5.230	48.100	PASS	PASS	PASS	OFDM	N/A	PASS
K2	5600	02/23/2023	7565	1466	5600	Body	5.938	46.411	PASS	PASS	PASS	OFDM	N/A	PASS
AM8	5600	05/05/2023	7421	604	5600	Body	5.720	47.400	PASS	PASS	PASS	OFDM	N/A	PASS
K2	5750	02/23/2023	7565	1466	5750	Body	6.171	46.158	PASS	PASS	PASS	OFDM	N/A	PASS
AM8	5750	05/05/2023	7421	604	5750	Body	6.003	46.920	PASS	PASS	PASS	OFDM	N/A	PASS
K2	5850	02/23/2023	7565	1466	5800	Body	6.243	46.045	PASS	PASS	PASS	OFDM	N/A	PASS
AM8	5850	05/04/2023	7421	604	5800	Body	6.000	47.100	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.