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
AM14	13	09/30/2024	7308	534	13	Head	0.728	53.406	PASS	PASS	PASS	N/A	N/A	N/A
S	750	07/30/2024	7803	1583	750	Head	0.889	42.727	PASS	PASS	PASS	N/A	N/A	N/A
J	750	08/29/2024	7406	1677	750	Head	0.902	42.669	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
J	835	08/27/2024	7406	1677	835	Head	0.903	42.224	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
K4	1750	03/26/2024	7565	1466	1750	Head	1.354	40.783	PASS	PASS	PASS	N/A	N/A	N/A
C	1750	05/01/2024	7659	1407	1750	Head	1.310	40.513	PASS	PASS	PASS	N/A	N/A	N/A
O	1750	06/24/2024	3914	728	1750	Head	1.371	40.079	PASS	PASS	PASS	N/A	N/A	N/A
E	1750	06/28/2024	7409	1334	1750	Head	1.361	39.081	PASS	PASS	PASS	N/A	N/A	N/A
S	1750	07/26/2024	7803	1583	1750	Head	1.388	40.721	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
C	1900	05/03/2024	7659	1407	1900	Head	1.420	41.983	PASS	PASS	PASS	GMSK	PASS	N/A
O	1900	06/24/2024	3914	728	1900	Head	1.422	38.667	PASS	PASS	PASS	GMSK	PASS	N/A
E	1900	07/03/2024	7409	1334	1900	Head	1.424	38.587	PASS	PASS	PASS	GMSK	PASS	N/A
S	1900	07/30/2024	7803	1583	1900	Head	1.434	40.679	PASS	PASS	PASS	GMSK	PASS	N/A
K2	2450	09/25/2024	7640	1645	2450	Head	1.829	37.998	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
K3	2450	10/04/2024	7558	1364	2450	Head	1.779	37.706	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
K2	2600	09/25/2024	7640	1645	2600	Head	1.953	37.739	PASS	PASS	PASS	TDD	PASS	N/A
K4	3500	02/01/2024	7565	1466	3500	Head	2.779	37.929	PASS	PASS	PASS	TDD	PASS	N/A
K4	3700	02/02/2024	7565	1466	3700	Head	3.019	38.076	PASS	PASS	PASS	TDD	PASS	N/A
K4	3900	02/02/2024	7565	1466	3900	Head	3.224	37.740	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
AM7	6500	04/10/2024	7421	604	6500	Head	6.005	33.656	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
R	6500	07/18/2024	7527	1272	6500	Head	6.102	34.582	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

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.