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
G	13	02/28/2023	7417	665	13	Head	0.745	55.517	PASS	PASS	PASS	N/A	N/A	N/A
K4	750	03/07/2023	7640	1645	750	Head	0.897	42.373	PASS	PASS	PASS	N/A	N/A	
C	835	08/09/2022	7406	1677	835	Head	0.943	41.102	PASS	PASS	PASS	GMSK	PASS	N/A
L	835	08/10/2022	7410	1583	835	Head	0.912	42.550	PASS	PASS	PASS	GMSK	PASS	N/A
K4	835	03/07/2023	7640	1645	835	Head	0.929	42.096	PASS	PASS	PASS	GMSK	PASS	N/A
L	1750	08/10/2022	7410	1583	1750	Head	1.369	40.751	PASS	PASS	PASS	N/A	N/A	N/A
K2	1750	02/20/2023	7565	1466	1750	Head	1.321	40.030	PASS	PASS	PASS	N/A	N/A	N/A
L	1900	08/10/2022	7410	1583	1900	Head	1.460	40.503	PASS	PASS	PASS	GMSK	PASS	N/A
C	1900	08/11/2022	7406	1677	1900	Head	1.422	38.590	PASS	PASS	PASS	GMSK	PASS	N/A
O	1900	02/09/2023	7570	1558	1900	Head	1.444	39.547	PASS	PASS	PASS	GMSK	PASS	N/A
K2	1900	02/20/2023	7565	1466	1900	Head	1.407	39.834	PASS	PASS	PASS	GMSK	PASS	N/A
L	2450	08/11/2022	7410	1583	2450	Head	1.862	39.716	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
K2	2600	02/22/2023	7565	1466	2600	Head	1.931	39.782	PASS	PASS	PASS	TDD	PASS	N/A
AM8	2600	03/31/2023	7421	604	2600	Head	1.962	40.186	PASS	PASS	PASS	TDD	PASS	N/A
AM4	3500	01/09/2023	7490	1644	3500	Head	2.921	37.328	PASS	PASS	PASS	TDD	PASS	N/A
AM4	3700	01/09/2023	7490	1644	3700	Head	3.082	37.064	PASS	PASS	PASS	TDD	PASS	N/A
AM4	3900	01/23/2023	7490	1644	3900	Head	3.231	37.333	PASS	PASS	PASS	TDD	PASS	N/A
O	5250	02/16/2023	7570	1558	5250	Head	4.531	35.226	PASS	PASS	PASS	OFDM	N/A	PASS
O	5600	02/16/2023	7570	1558	5600	Head	4.926	34.639	PASS	PASS	PASS	OFDM	N/A	PASS
O	5750	02/16/2023	7570	1558	5750	Head	5.077	34.397	PASS	PASS	PASS	OFDM	N/A	PASS
O	5800	02/20/2023	7570	1558	5850	Head	5.237	33.586	PASS	PASS	PASS	OFDM	N/A	PASS
K1	750	08/29/2022	7491	1532	750	Body	0.936	53.526	PASS	PASS	PASS	N/A	N/A	N/A
L	835	08/05/2022	7410	1583	835	Body	0.949	55.822	PASS	PASS	PASS	GMSK	PASS	N/A
K1	835	08/29/2022	7491	1532	835	Body	0.967	53.325	PASS	PASS	PASS	GMSK	PASS	N/A
K3	1750	12/09/2022	7547	1322	1750	Body	1.429	51.001	PASS	PASS	PASS	N/A	N/A	N/A
S	1750	02/02/2023	7713	1530	1750	Body	1.480	52.905	PASS	PASS	PASS	N/A	N/A	N/A
K2	1750	02/22/2023	7565	1466	1750	Body	1.507	51.314	PASS	PASS	PASS	N/A	N/A	N/A
AM9	1750	02/27/2023	7427	1403	1750	Body	1.484	53.619	PASS	PASS	PASS	N/A	N/A	N/A
P	1900	08/16/2022	7409	1334	1900	Body	1.521	53.285	PASS	PASS	PASS	GMSK	PASS	N/A
K2	1900	03/02/2023	7565	1466	1900	Body	1.490	51.732	PASS	PASS	PASS	GMSK	PASS	N/A
O	1900	04/10/2023	7570	1558	1900	Body	1.586	53.886	PASS	PASS	PASS	GMSK	PASS	N/A
L	2450	08/08/2022	7410	1583	2450	Body	2.042	53.429	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
AM1	2450	01/09/2023	7420	1333	2450	Body	2.024	51.852	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
AM3	2450	02/01/2023	3837	793	2450	Body	1.921	52.792	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
AM1	2600	01/09/2023	7420	1333	2600	Body	2.168	51.636	PASS	PASS	PASS	TDD	PASS	N/A
AM3	2600	02/02/2023	3837	793	2600	Body	2.072	52.558	PASS	PASS	PASS	TDD	PASS	N/A
S	2600	03/06/2023	7713	1530	2600	Body	2.163	52.053	PASS	PASS	PASS	TDD	PASS	N/A
AM7	2600	04/03/2023	7416	701	2600	Body	2.221	51.964	PASS	PASS	PASS	TDD	PASS	N/A
AM3	3500	02/03/2023	3837	793	3500	Body	3.157	52.209	PASS	PASS	PASS	TDD	PASS	N/A
AM3	3700	02/03/2023	3837	793	3700	Body	3.408	51.882	PASS	PASS	PASS	TDD	PASS	N/A
AM3	3900	02/03/2023	3837	793	3900	Body	3.669	51.556	PASS	PASS	PASS	TDD	PASS	N/A
O	5250	02/23/2023	7570	1558	5250	Body	5.290	48.037	PASS	PASS	PASS	OFDM	N/A	PASS
O	5600	02/23/2023	7570	1558	5600	Body	5.787	47.388	PASS	PASS	PASS	OFDM	N/A	PASS
O	5750	02/23/2023	7570	1558	5750	Body	6.084	47.053	PASS	PASS	PASS	OFDM	N/A	PASS
O	5800	02/24/2023	7570	1558	5850	Body	6.000	47.053	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.