

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. (ε _r)	CW VALIDATION			MOD. VALIDATION			
								SENSITIVITY	PROBE LINEARITY	PROBE ISOTROPY	MOD. TYPE	DUTY FACTOR	PAR	
G	13	04-03-2026	7570	859	13	Head	0.757	53.089	PASS	PASS	PASS	N/A	N/A	N/A
S5	750	10-29-2025	7546	1368	750	Head	0.876	42.917	PASS	PASS	PASS	N/A	N/A	N/A
S1	750	11-05-2025	7637	1652	750	Head	0.875	43.647	PASS	PASS	PASS	N/A	N/A	N/A
S6	750	12-04-2025	7803	1583	750	Head	0.895	43.410	PASS	PASS	PASS	N/A	N/A	N/A
S5	750	02-13-2026	7546	1368	750	Head	0.873	43.193	PASS	PASS	PASS	N/A	N/A	N/A
S4	750	02-20-2026	7547	1322	750	Head	0.877	42.793	PASS	PASS	PASS	N/A	N/A	N/A
G	750	03-18-2026	7570	859	750	Head	0.875	41.390	PASS	PASS	PASS	N/A	N/A	N/A
S5	835	11-04-2025	7546	1368	835	Head	0.887	42.063	PASS	PASS	PASS	GMSK	PASS	N/A
S1	835	11-06-2025	7637	1652	835	Head	0.921	42.525	PASS	PASS	PASS	GMSK	PASS	N/A
S6	835	12-04-2025	7803	1583	835	Head	0.878	43.053	PASS	PASS	PASS	GMSK	PASS	N/A
S7	835	01-07-2026	7409	1333	835	Head	0.917	42.700	PASS	PASS	PASS	GMSK	PASS	N/A
S2	835	02-23-2026	7409	1333	835	Head	0.867	42.612	PASS	PASS	PASS	GMSK	PASS	N/A
G	835	02-24-2026	7570	859	835	Head	0.938	42.561	PASS	PASS	PASS	GMSK	PASS	N/A
G	1640	02-24-2026	7527	859	1640	Head	1.300	41.519	PASS	PASS	PASS	N/A	N/A	N/A
M	1750	12-01-2025	7406	1677	1750	Head	1.348	39.305	PASS	PASS	PASS	N/A	N/A	N/A
S7	1750	12-22-2025	7409	1333	1750	Head	1.306	40.397	PASS	PASS	PASS	N/A	N/A	N/A
S6	1750	02-12-2026	7803	1583	1750	Head	1.342	40.654	PASS	PASS	PASS	N/A	N/A	N/A
G	1750	02-24-2026	7570	859	1750	Head	1.355	41.385	PASS	PASS	PASS	N/A	N/A	N/A
R	1750	04-14-2026	7417	1639	1750	Head	1.315	39.859	PASS	PASS	PASS	N/A	N/A	N/A
M	1900	12-02-2025	7406	1677	1900	Head	1.412	39.486	PASS	PASS	PASS	GMSK	PASS	N/A
S6	1900	12-04-2025	7803	1583	1900	Head	1.417	41.076	PASS	PASS	PASS	GMSK	PASS	N/A
S7	1900	12-22-2025	7409	1333	1900	Head	1.396	40.177	PASS	PASS	PASS	GMSK	PASS	N/A
S3	1900	02-20-2026	7558	1364	1900	Head	1.369	39.108	PASS	PASS	PASS	GMSK	PASS	N/A
G	1900	02-24-2026	7570	859	1900	Head	1.430	41.215	PASS	PASS	PASS	GMSK	PASS	N/A
S5	1900	04-03-2026	7565	1466	1900	Head	1.419	41.599	PASS	PASS	PASS	GMSK	PASS	N/A
N	2300	11-11-2025	7670	1449	2300	Head	1.720	37.788	PASS	PASS	PASS	N/A	N/A	N/A
S7	2300	12-22-2025	7409	1333	2300	Head	1.681	39.658	PASS	PASS	PASS	N/A	N/A	N/A
L	2450	04-29-2025	7659	1272	2450	Head	1.860	39.106	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
J	2450	09-07-2025	7660	1678	2450	Head	1.829	40.293	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
L	2450	03-30-2026	7539	1450	2450	Head	1.856	37.819	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
S5	2450	04-02-2026	7565	1466	2450	Head	1.794	40.583	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
S2	2600	10-17-2025	7402	1502	2600	Head	1.904	39.462	PASS	PASS	PASS	TDD	PASS	N/A
J	2600	10-28-2025	7660	1678	2600	Head	1.901	40.529	PASS	PASS	PASS	TDD	PASS	N/A
S3	2600	10-29-2025	7558	1364	2600	Head	1.945	39.521	PASS	PASS	PASS	TDD	PASS	N/A
S7	2600	12-22-2025	7409	1333	2600	Head	1.931	39.136	PASS	PASS	PASS	TDD	PASS	N/A
M	2600	02-18-2026	7406	1677	2600	Head	2.000	39.237	PASS	PASS	PASS	TDD	PASS	N/A
S5	2600	04-03-2026	7565	1466	2600	Head	1.946	40.571	PASS	PASS	PASS	TDD	PASS	N/A
S2	3500	09-08-2025	7402	1502	3500	Head	2.793	39.650	PASS	PASS	PASS	TDD	PASS	N/A
S3	3500	10-30-2025	7558	1364	3500	Head	2.960	37.205	PASS	PASS	PASS	TDD	PASS	N/A
S2	3700	09-08-2025	7402	1502	3700	Head	2.996	39.144	PASS	PASS	PASS	TDD	PASS	N/A
S3	3700	10-31-2025	7558	1364	3700	Head	3.148	36.574	PASS	PASS	PASS	TDD	PASS	N/A
S2	3900	09-09-2025	7402	1502	3900	Head	3.178	38.840	PASS	PASS	PASS	TDD	PASS	N/A
S3	3900	10-31-2025	7558	1364	3900	Head	3.310	36.303	PASS	PASS	PASS	TDD	PASS	N/A
S	5250	06-28-2025	7661	1558	5250	Head	4.678	37.252	PASS	PASS	PASS	OFDM	N/A	PASS
S	5600	06-28-2025	7661	1558	5600	Head	5.089	36.678	PASS	PASS	PASS	OFDM	N/A	PASS
S	5750	06-28-2025	7661	1558	5750	Head	5.258	36.333	PASS	PASS	PASS	OFDM	N/A	PASS
S	5850	06-28-2025	7661	1558	5850	Head	5.372	36.168	PASS	PASS	PASS	OFDM	N/A	PASS
M	6500	01-27-2026	7406	1677	6500	Head	6.149	33.896	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.

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