

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	12/30/2025	7527	1415	13	Head	0.776	52.613	PASS	PASS	PASS	N/A	N/A	N/A
J	750	10/08/2025	7660	1678	750	Head	0.874	42.605	PASS	PASS	PASS	N/A	N/A	N/A
O	835	07/23/2025	7718	1407	835	Head	0.916	42.748	PASS	PASS	PASS	GMSK	PASS	N/A
J	835	10/08/2025	7660	1678	835	Head	0.874	42.605	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
M	1750	02/11/2026	7406	1677	1750	Head	1.335	41.463	PASS	PASS	PASS	N/A	N/A	N/A
S5	1900	11/04/2025	7546	1368	1900	Head	1.403	40.001	PASS	PASS	PASS	GMSK	PASS	N/A
M	1900	02/11/2026	7406	1677	1900	Head	1.430	41.199	PASS	PASS	PASS	GMSK	PASS	N/A
S2	2450	10/17/2025	7402	1502	2450	Head	1.787	39.685	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
S3	2450	10/28/2025	7558	1364	2450	Head	1.825	39.200	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
L	2450	02/10/2026	7659	1272	2450	Head	1.778	37.690	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
S3	2600	10/29/2025	7558	1364	2600	Head	1.945	39.521	PASS	PASS	PASS	TDD	PASS	N/A
S	5250	02/10/2026	7661	1558	5250	Head	4.503	35.585	PASS	PASS	PASS	OFDM	N/A	PASS
S	5600	02/10/2026	7661	1558	5600	Head	4.853	34.977	PASS	PASS	PASS	OFDM	N/A	PASS
S	5750	02/11/2026	7661	1558	5750	Head	5.219	34.654	PASS	PASS	PASS	OFDM	N/A	PASS
S	5850	02/11/2026	7661	1558	5850	Head	5.188	34.460	PASS	PASS	PASS	OFDM	N/A	PASS
R	6500	02/27/2025	7570	1638	6500	Head	5.868	34.355	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
R	6500	02/02/2026	7713	1639	6500	Head	5.880	33.900	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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DUT Type: Portable Handset		APPENDIX G: Page 1 of 1