

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 IEC/IEEE 62209-1528:2020. 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
L	2450	03/30/2026	7539	1450	2450 Head	1.856	37.819	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
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
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 D01v01r0

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