

APPENDIX F: 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 F-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
AM14	13	11/18/2025	7782	1646	13	HEAD	0.761	52.998	PASS	PASS	PASS	N/A	N/A	N/A
AM16	2450	03/31/2026	7551	1323	2450	HEAD	1.806	37.927	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
AM9	5250	08/25/2025	7668	1681	5250	HEAD	4.519	37.298	PASS	PASS	PASS	OFDM	N/A	PASS
AM8	5250	01/22/2026	7490	1644	5250	HEAD	4.713	36.397	PASS	PASS	PASS	OFDM	N/A	PASS
AM9	5600	08/25/2025	7668	1681	5600	HEAD	4.915	36.659	PASS	PASS	PASS	OFDM	N/A	PASS
AM8	5600	01/22/2026	7490	1644	5600	HEAD	5.140	35.675	PASS	PASS	PASS	OFDM	N/A	PASS
AM9	5750	08/25/2025	7668	1681	5750	HEAD	5.083	36.373	PASS	PASS	PASS	OFDM	N/A	PASS
AM8	5750	01/22/2026	7490	1644	5750	HEAD	5.325	35.390	PASS	PASS	PASS	OFDM	N/A	PASS
AM9	5850	08/25/2025	7668	1681	5850	HEAD	5.202	36.194	PASS	PASS	PASS	OFDM	N/A	PASS
AM8	5850	01/22/2026	7490	1644	5850	HEAD	5.449	35.193	PASS	PASS	PASS	OFDM	N/A	PASS

NOTE: While the probes have been calibrated for both CW and modulated signals, all measurements were performed using communication systems calibrated for CW signals only. 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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