

APPENDIX C: 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 C-1
SAR System Validation Summary – 1g

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
AM4	835	03/27/2025	7360	534	835	Head	0.889	41.210	PASS	PASS	PASS	GMSK	PASS	N/A
AM3	1750	08/03/2025	7552	1676	1750	Head	1.333	38.719	PASS	PASS	PASS	N/A	N/A	N/A
AM4	1750	03/27/2025	7360	534	1750	Head	1.324	39.434	PASS	PASS	PASS	N/A	N/A	N/A
AM3	1900	08/03/2025	7552	1676	1900	Head	1.447	39.555	PASS	PASS	PASS	GMSK	PASS	N/A
AM14	2450	02/28/2025	3746	1237	2450	Head	1.858	40.424	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
AM14	2600	02/28/2025	3746	1237	2600	Head	2.019	39.892	PASS	PASS	PASS	TDD	PASS	N/A
AM4	3500	03/27/2025	7360	534	3500	Head	2.826	36.835	PASS	PASS	PASS	TDD	PASS	N/A
AM4	3700	03/27/2025	7360	534	3700	Head	2.996	36.550	PASS	PASS	PASS	TDD	PASS	N/A

NOTE: 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: Tablet Device		APPENDIX C: Page 1 of 1