

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
L	750	05/01/2025	7659	1272	750	Head	0.891	40.734	PASS	PASS	PASS	N/A	N/A	N/A
L	835	05/01/2025	7659	1272	835	Head	0.920	40.468	PASS	PASS	PASS	GMSK	PASS	N/A
L	1750	06/02/2025	7659	1272	1750	Head	1.341	39.242	PASS	PASS	PASS	N/A	N/A	N/A
L	1900	06/02/2025	7659	1272	1900	Head	1.341	39.242	PASS	PASS	PASS	GMSK	PASS	N/A
L	2450	04/29/2025	7659	1272	2450	Head	1.860	39.106	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
J	3500	09/12/2025	7660	1678	3500	Head	2.785	38.330	PASS	PASS	PASS	TDD	PASS	N/A
J	3700	09/12/2025	7660	1678	3700	Head	2.980	37.992	PASS	PASS	PASS	TDD	PASS	N/A
J	3900	09/12/2025	7660	1678	3900	Head	3.169	37.699	PASS	PASS	PASS	TDD	PASS	N/A
R	6500	02/27/2025	7570	1638	6500	Head	5.868	34.355	PASS	PASS	PASS	OFDM	N/A	PASS

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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