

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. (εr)	CW VALIDATION			MOD. VALIDATION		
									SENSITIVITY	PROBE LINEARITY	PROBE ISOTROPY	MOD. TYPE	DUTY FACTOR	PAR
G	13	07/28/2026	7570	859	13	Head	0.768	57.134	PASS	PASS	PASS	N/A	N/A	N/A
O	750	08/04/2026	7488	1415	750	Head	0.900	43.032	PASS	PASS	PASS	N/A	N/A	N/A
G	1640	02/24/2026	7527	859	1640	Head	1.300	41.519	PASS	PASS	PASS	N/A	N/A	N/A
O	1750	08/04/2026	7488	1415	1750	Head	1.312	41.754	PASS	PASS	PASS	N/A	N/A	N/A
L	1900	08/05/2026	7539	1450	1900	Head	1.414	39.650	PASS	PASS	PASS	GMSK	PASS	N/A
M	2100	02/23/2026	7406	1677	2100	Head	1.536	41.230	PASS	PASS	PASS	N/A	N/A	N/A
L	2450	08/10/2026	7539	1450	2450	Head	1.794	38.732	PASS	PASS	PASS	OFDM/TDD	PASS	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 D01.

FCC ID IPH-05242	RF EXPOSURE TEST REPORT	Approved by: Technical Manager
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