

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	1640	03/31/2025	7539	1415	1640	Head	1.301	38.543	PASS	PASS	PASS	N/A	N/A	N/A
J	1750	08/27/2024	7406	1677	1750	Head	1.354	40.343	PASS	PASS	PASS	N/A	N/A	N/A
N	1750	02/05/2025	7410	1213	1750	Head	1.340	38.895	PASS	PASS	PASS	N/A	N/A	N/A
G	1750	04/03/2025	7488	1415	1750	Head	1.329	38.379	PASS	PASS	PASS	N/A	N/A	N/A
J	1900	08/27/2024	7406	1677	1900	Head	1.447	40.214	PASS	PASS	PASS	GMSK	PASS	N/A
G	1900	04/03/2025	7488	1415	1900	Head	1.413	38.210	PASS	PASS	PASS	GMSK	PASS	N/A
L	1900	06/02/2025	7659	1272	1900	Head	1.341	39.242	PASS	PASS	PASS	GMSK	PASS	N/A
J	2300	08/29/2024	7406	1677	2300	Head	1.717	39.920	PASS	PASS	PASS	N/A	N/A	N/A
O	2300	05/01/2025	7718	1407	2300	Head	1.645	41.086	PASS	PASS	PASS	N/A	N/A	N/A
G	2450	04/09/2025	7488	1415	2450	Head	1.867	39.580	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
O	2450	05/01/2025	7718	1407	2450	Head	1.800	39.200	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
S	2600	07/29/2024	7803	1583	2600	Head	1.953	39.694	PASS	PASS	PASS	TDD	PASS	N/A
N	2600	01/21/2025	7410	1213	2600	Head	1.983	38.351	PASS	PASS	PASS	TDD	PASS	N/A
G	2600	04/09/2025	7488	1415	2600	Head	1.990	39.325	PASS	PASS	PASS	TDD	PASS	N/A
L	2600	04/29/2025	7659	1272	2600	Head	1.986	38.847	PASS	PASS	PASS	TDD	PASS	N/A
O	2600	05/01/2025	7718	1407	2600	Head	1.888	40.587	PASS	PASS	PASS	TDD	PASS	N/A

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 D01v01r04.

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DUT Type: Portable Handset		APPENDIX F: Page 1 of 1