

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. (εr)	CW VALIDATION			MOD. VALIDATION		
									SENSITIVITY	PROBE LINEARITY	PROBE ISOTROPY	MOD. TYPE	DUTY FACTOR	PAR
AM13	1750	05/06/2025	7421	604	1750	HEAD	1.336	40.627	PASS	PASS	PASS	N/A	N/A	N/A
AM3	1750	08/03/2025	7552	1676	1750	HEAD	1.333	38.719	PASS	PASS	PASS	N/A	N/A	N/A
AM15	1900	03/27/2025	7638	467	1900	HEAD	1.438	39.917	PASS	PASS	PASS	N/A	N/A	N/A
AM15	2450	04/03/2025	7638	467	2450	HEAD	1.877	38.656	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
AM16	2450	05/08/2025	7532	501	2450	HEAD	1.796	39.017	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
AM15	2600	04/04/2025	7638	467	2600	HEAD	2.041	38.117	PASS	PASS	PASS	TDD	PASS	N/A
AM16	2600	05/08/2025	7532	501	2600	HEAD	1.916	38.764	PASS	PASS	PASS	TDD	PASS	N/A
AM3	3500	08/03/2025	7552	1676	3500	HEAD	2.799	37.385	PASS	PASS	PASS	TDD	PASS	N/A
AM3	3700	08/03/2025	7552	1676	3700	HEAD	2.991	37.017	PASS	PASS	PASS	TDD	PASS	N/A
AM3	3900	08/03/2025	7552	1676	3900	HEAD	3.187	36.684	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.

FCC ID: BCGA3460	TAS CELLULAR VALIDATION REPORT	Approved by: Technical Manager
DUT Type: Tablet Device		APPENDIX C: Page 1 of 1