

APPENDIX H: 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 H-1
SAR System Validation Summary

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
AM14	13	04/25/2025	3746	1237	13	Head	0.756	52.745	PASS	PASS	PASS	N/A	N/A	N/A
AM6	750	04/27/2025	7682	1683	750	Head	0.869	42.570	PASS	PASS	PASS	N/A	N/A	N/A
AM1	750	05/07/2025	7357	1582	750	Head	0.878	42.823	PASS	PASS	PASS	N/A	N/A	N/A
AM12	835	02/26/2025	7427	1408	835	Head	0.839	41.575	PASS	PASS	PASS	GMSK	PASS	N/A
AM7	1750	02/27/2025	7490	1644	1750	Head	1.369	38.469	PASS	PASS	PASS	N/A	N/A	N/A
AM13	1750	05/06/2025	7421	604	1750	Head	1.336	40.627	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	GMSK	PASS	N/A
AM10	2300	03/27/2025	3837	793	2300	Head	1.648	38.991	PASS	PASS	PASS	N/A	N/A	N/A
AM10	2450	03/27/2025	3837	793	2450	Head	1.818	38.427	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
AM13	2450	05/07/2025	7421	604	2450	Head	1.804	37.619	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
AM10	2600	03/27/2025	3837	793	2600	Head	1.992	37.815	PASS	PASS	PASS	TDD	PASS	N/A
AM13	2600	05/07/2025	7421	604	2600	Head	1.923	37.326	PASS	PASS	PASS	TDD	PASS	N/A
AM6	3500	10/03/2024	7639	1403	3500	Head	2.837	37.073	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
AM6	3500	05/29/2025	7682	1683	3500	Head	2.824	39.665	PASS	PASS	PASS	TDD	PASS	N/A
AM6	3700	10/03/2024	7639	1403	3700	Head	3.061	36.634	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
AM6	3700	05/29/2025	7682	1683	3700	Head	2.997	39.394	PASS	PASS	PASS	TDD	PASS	N/A
AM6	3900	10/03/2024	7639	1403	3900	Head	3.297	36.294	PASS	PASS	PASS	TDD	PASS	N/A
AM6	3900	05/29/2025	7682	1683	3900	Head	3.179	39.142	PASS	PASS	PASS	TDD	PASS	N/A
AM9	5250	10/03/2024	7782	1646	5250	Head	4.859	37.517	PASS	PASS	PASS	OFDM	N/A	PASS
AM9	5600	10/03/2024	7782	1646	5600	Head	5.238	36.979	PASS	PASS	PASS	OFDM	N/A	PASS
AM9	5750	10/03/2024	7782	1646	5750	Head	5.409	36.748	PASS	PASS	PASS	OFDM	N/A	PASS
AM9	5850	10/04/2024	7782	1646	5850	Head	5.514	36.616	PASS	PASS	PASS	OFDM	N/A	PASS
AM2	6500	09/23/2024	3949	1684	6500	Head	6.165	33.694	PASS	PASS	PASS	OFDM	N/A	PASS

NOTE: While the probes have been calibrated for both CW and modulated signals, all measurements were performed using communication systems calibrated for CW signals only. 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: BCGA3358	RF EXPOSURE REPORT	Approved by: Technical Manager
DUT Type: Tablet Device		APPENDIX H: Page 1 of 1