

APPENDIX F: SAR SYSTEM VALIDATION

FCC ID: BCGA2903	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Tablet Device		APPENDIX F: Page 1 of 2

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. (ϵ_r)	CW VALIDATION			MOD. VALIDATION		
									SENSITIVITY	PROBE LINEARITY	PROBE ISOTROPY	MOD. TYPE	DUTY FACTOR	PAR
AM11	750	08/01/2023	7682	1683	750	Head	0.894	43.462	PASS	PASS	PASS	N/A	N/A	N/A
AM1	750	10/19/2023	3949	1684	750	Head	0.868	41.800	PASS	PASS	PASS	N/A	N/A	N/A
AM10	835	07/27/2023	7416	701	835	Head	0.939	40.793	PASS	PASS	PASS	GMSK	PASS	N/A
AM14	1750	08/28/2023	7360	534	1750	Head	1.363	40.219	PASS	PASS	PASS	N/A	N/A	N/A
AM4	1750	11/28/2023	7639	1403	1750	Head	1.385	38.871	PASS	PASS	PASS	N/A	N/A	N/A
AM13	1900	07/27/2023	7357	1582	1900	Head	1.395	40.894	PASS	PASS	PASS	GMSK	PASS	N/A
AM7	2300	05/25/2023	7532	501	2300	Head	1.747	40.042	PASS	PASS	PASS	N/A	N/A	N/A
AM8	2450	03/31/2023	7421	604	2450	Head	1.838	40.418	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
AM7	2600	05/25/2023	7532	501	2600	Head	1.993	39.636	PASS	PASS	PASS	TDD	PASS	N/A
AM12	2600	08/01/2023	7546	1402	2600	Head	1.971	38.741	PASS	PASS	PASS	TDD	PASS	N/A
AM3	3500	10/04/2023	7782	1646	3500	Head	2.772	39.763	PASS	PASS	PASS	TDD	PASS	N/A
AM6	3700	05/25/2023	7638	1408	3700	Head	2.991	39.276	PASS	PASS	PASS	TDD	PASS	N/A
AM3	3900	10/04/2023	7782	1646	3900	Head	3.176	39.187	PASS	PASS	PASS	TDD	PASS	N/A
AM9	5250	11/14/2023	3746	1237	5250	Head	4.523	36.656	PASS	PASS	PASS	OFDM	N/A	PASS
AM9	5600	11/15/2023	3746	1237	5600	Head	4.925	36.045	PASS	PASS	PASS	OFDM	N/A	PASS
AM9	5750	11/15/2023	3746	1237	5750	Head	5.104	35.790	PASS	PASS	PASS	OFDM	N/A	PASS
AM9	5800	11/16/2023	3746	1237	5850	Head	5.270	35.689	PASS	PASS	PASS	OFDM	N/A	PASS
AM2	6500	11/16/2023	7420	1333	6500	Head	6.061	34.145	PASS	PASS	PASS	OFDM	N/A	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 D01v0.

FCC ID: BCGA2903	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Tablet Device		APPENDIX F: Page 2 of 2