

APPENDIX G: SAR SYSTEM VALIDATION

FCC ID: BCGA3269	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Tablet Device		APPENDIX G: 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 G-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
AM14	13	09/30/2024	7308	534	13	Head	0.728	53.406	PASS	PASS	PASS	N/A	N/A	N/A
AM11	750	04/30/2024	7532	501	750	Head	0.889	43.045	PASS	PASS	PASS	N/A	N/A	N/A
AM1	750	09/25/2024	7416	701	750	Head	0.884	41.381	PASS	PASS	PASS	N/A	N/A	N/A
AM13	835	07/15/2024	7682	1683	835	Head	0.898	0.900	PASS	PASS	PASS	GMSK	PASS	N/A
AM14	1750	10/16/2024	7360	534	1750	Head	1.355	40.996	PASS	PASS	PASS	N/A	N/A	N/A
AM7	1900	04/05/2024	7421	604	1900	Head	1.422	38.394	PASS	PASS	PASS	GMSK	PASS	N/A
AM10	2300	05/03/2024	7546	1402	2300	Head	1.638	40.948	PASS	PASS	PASS	N/A	N/A	N/A
AM6	2450	09/18/2024	7639	1403	2450	Head	1.749	40.880	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
AM16	2600	06/06/2024	7552	1676	2600	Head	1.961	40.346	PASS	PASS	PASS	TDD	PASS	N/A
AM4	3500	08/20/2024	7357	1582	3500	Head	2.849	37.684	PASS	PASS	PASS	TDD	PASS	N/A
AM3	3500	09/12/2024	7668	1681	3500	Head	2.781	38.517	PASS	PASS	PASS	TDD	PASS	N/A
AM4	3700	08/20/2024	7357	1582	3700	Head	3.019	37.405	PASS	PASS	PASS	TDD	PASS	N/A
AM3	3700	09/12/2024	7668	1681	3700	Head	2.968	38.200	PASS	PASS	PASS	TDD	PASS	N/A
AM3	3900	09/12/2024	7668	1681	3900	Head	3.167	37.884	PASS	PASS	PASS	TDD	PASS	N/A
AM8	5250	03/07/2024	7427	467	5250	Head	4.531	34.633	PASS	PASS	PASS	OFDM	N/A	PASS
AM9	5250	10/03/2024	7782	1646	5250	Head	4.859	37.517	PASS	PASS	PASS	OFDM	N/A	PASS
AM8	5600	03/07/2024	7427	467	5600	Head	4.917	33.974	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
AM8	5750	03/07/2024	7427	467	5750	Head	5.101	33.741	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
AM8	5850	03/07/2024	7427	467	5850	Head	5.208	33.577	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	09/18/2024	3949	1684	6500	Head	6.165	33.694	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 D01v01r04.

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