

APPENDIX F: SAR SYSTEM VALIDATION

FCC ID: BCG-A3454	RF Exposure Report	Approved by: Technical Manager
DUT Type: Wireless Headphones		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 – 1g and 10g

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
AM7	2450	12/10/2025	7420	1408	2450	Head	1.790	39.449	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
AM11	2450	05/06/2025	7551	1323	2450	Head	1.838	39.533	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
AM8	5250	01/22/2026	7490	1644	5250	Head	4.713	36.397	PASS	PASS	PASS	OFDM	PASS	PASS
AM8	5600	01/22/2026	7490	1644	5600	Head	5.140	35.675	PASS	PASS	PASS	OFDM	PASS	PASS
AM8	5750	01/22/2026	7490	1644	5750	Head	5.325	35.890	PASS	PASS	PASS	OFDM	PASS	PASS
AM8	5850	01/22/2026	7490	1644	5850	Head	5.449	35.193	PASS	PASS	PASS	OFDM	PASS	PASS

NOTE: 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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