

APPENDIX G: 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 G-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
K3	2450	10/12/2023	7558	1364	2450	Head	1.857	40.971	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
K6	2450	06/04/2024	7402	1502	2450	Head	1.831	39.654	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
K2	5250	02/19/2024	7547	1322	5250	Head	4.606	35.108	PASS	PASS	PASS	OFDM	N/A	PASS
K2	5600	02/19/2024	7547	1322	5600	Head	5.006	34.452	PASS	PASS	PASS	OFDM	N/A	PASS
K2	5750	02/19/2024	7547	1322	5750	Head	5.182	34.162	PASS	PASS	PASS	OFDM	N/A	PASS
K2	5850	05/28/2024	7547	1322	5750	Head	5.291	34.027	PASS	PASS	PASS	OFDM	N/A	PASS
R	6500	07/18/2024	7527	1272	6500	Head	6.102	34.582	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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DUT Type: Portable Computing Device		APPENDIX G: Page 1 of 1