

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. (εr)	CW VALIDATION			MOD. VALIDATION		
									SENSITIVITY	PROBE LINEARITY	PROBE ISOTROPY	MOD. TYPE	DUTY FACTOR	PAR
K4	2450	3/25/2024	7565	1466	2450	Head	1.871	39.952	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
K6	5250	6/3/2024	7402	1502	5250	Head	4.557	35.833	PASS	PASS	PASS	OFDM	N/A	PASS
K6	5600	6/3/2024	7402	1502	5600	Head	4.937	35.241	PASS	PASS	PASS	OFDM	N/A	PASS
K6	5750	6/3/2024	7402	1502	5750	Head	5.109	34.996	PASS	PASS	PASS	OFDM	N/A	PASS
K6	5850	6/3/2024	7402	1502	5850	Head	2.229	34.867	PASS	PASS	PASS	OFDM	N/A	PASS
AM7	6500	4/10/2024	7421	604	6500	Head	6.005	33.656	PASS	PASS	PASS	OFDM	N/A	PASS
C	6500	6/20/2024	7659	1407	6500	Head	6.128	34.321	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