

## 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 – 1g**

SAR System	Freq. (MHz)	Date	Probe SN	Probe Cal Point		Cond. (σ)	Perm. (ε <sub>r</sub> )	CW VALIDATION			MOD. VALIDATION		
								SENSITIVITY	PROBE LINEARITY	PROBE ISOTROPY	MOD. TYPE	DUTY FACTOR	PAR
AM6	750	08/25/2021	7416	750	Body	0.962	54.000	PASS	PASS	PASS	N/A	N/A	N/A
S	750	01/20/2022	7552	750	Body	0.927	55.511	PASS	PASS	PASS	N/A	N/A	N/A
AM4	750	03/21/2022	3837	750	Body	0.971	56.700	PASS	PASS	PASS	N/A	N/A	N/A
S	835	01/20/2022	7552	835	Body	0.958	55.307	PASS	PASS	PASS	GMSK	PASS	N/A
AM7	835	02/10/2022	7674	835	Body	0.936	54.136	PASS	PASS	PASS	GMSK	PASS	N/A
D	835	02/17/2022	7571	835	Body	0.948	56.699	PASS	PASS	PASS	GMSK	PASS	N/A
AM1	835	02/28/2022	7639	835	Body	0.968	54.400	PASS	PASS	PASS	GMSK	PASS	N/A
L	1750	01/05/2022	7670	1750	Body	1.477	53.736	PASS	PASS	PASS	N/A	N/A	N/A
AM6	1750	05/06/2022	7532	1750	Body	1.488	53.379	PASS	PASS	PASS	N/A	N/A	N/A
AM6	1900	05/05/2022	7532	1900	Body	1.448	55.131	PASS	PASS	PASS	GMSK	PASS	N/A
AM8	1900	05/09/2022	7546	1900	Body	1.560	52.700	PASS	PASS	PASS	GMSK	PASS	N/A
AM10	1900	05/24/2022	7308	1900	Body	1.563	50.925	PASS	PASS	PASS	GMSK	PASS	N/A
AM3	2300	03/17/2022	7427	2300	Body	1.780	52.200	PASS	PASS	PASS	N/A	N/A	N/A
AM2	2300	04/12/2022	7421	2300	Body	1.771	50.705	PASS	PASS	PASS	N/A	N/A	N/A
A	2450	01/18/2022	7406	2450	Body	2.040	51.797	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
S	2450	01/25/2022	7552	2450	Body	2.016	52.250	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
S	2600	01/25/2022	7552	2600	Body	2.147	51.997	PASS	PASS	PASS	TDD	PASS	N/A
I	3500	10/13/2021	7661	3500	Body	3.198	49.804	PASS	PASS	PASS	TDD	PASS	N/A
I	3700	10/13/2021	7661	3700	Body	3.429	49.469	PASS	PASS	PASS	TDD	PASS	N/A
I	3900	10/13/2021	7661	3900	Body	3.675	49.133	PASS	PASS	PASS	TDD	PASS	N/A
O	5250	03/10/2022	7417	5250	Body	5.470	48.210	PASS	PASS	PASS	OFDM	N/A	PASS
O	5600	03/10/2022	7417	5600	Body	5.973	47.490	PASS	PASS	PASS	OFDM	N/A	PASS
O	5750	03/11/2022	7417	5750	Body	6.190	47.228	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.

FCC ID: C3K1997	SAR EVALUATION REPORT	Approved by: Technical Manager
DUT Type: Portable Computing Device		APPENDIX G: Page 1 of 1