

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
G	13	12/30/2025	7527	1415	13	Head	0.776	52.613	PASS	PASS	PASS	N/A	N/A	N/A
S5	750	10/29/2025	7546	1368	750	Head	0.876	42.917	PASS	PASS	PASS	N/A	N/A	N/A
J	835	10/8/2025	7660	1678	835	Head	0.874	42.605	PASS	PASS	PASS	GMSK	PASS	N/A
S4	835	11/11/2025	7491	1466	835	Head	0.898	43.348	PASS	PASS	PASS	GMSK	PASS	N/A
S5	835	11/4/2025	7546	1368	835	Head	0.887	42.063	PASS	PASS	PASS	GMSK	PASS	N/A
S2	1750	11/3/2025	7402	1502	1750	Head	1.359	41.291	PASS	PASS	PASS	N/A	N/A	N/A
S1	1750	11/5/2025	7637	1652	1750	Head	1.359	41.669	PASS	PASS	PASS	N/A	N/A	N/A
L	1750	6/2/2025	7659	1272	1750	Head	1.341	39.242	PASS	PASS	PASS	N/A	N/A	N/A
M	1750	8/20/2025	7713	1530	1750	Head	1.348	39.305	PASS	PASS	PASS	N/A	N/A	N/A
S1	1900	11/11/2025	7637	1652	1900	Head	1.441	40.900	PASS	PASS	PASS	GMSK	PASS	N/A
S5	1900	11/4/2025	7546	1368	1900	Head	1.403	40.001	PASS	PASS	PASS	GMSK	PASS	N/A
M	1900	12/2/2025	7406	1677	1900	Head	1.432	39.046	PASS	PASS	PASS	GMSK	PASS	N/A
S3	2450	10/28/2025	7558	1364	2450	Head	1.825	39.200	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
S6	2450	12/4/2025	7803	1583	2450	Head	1.810	40.256	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
S4	2450	9/24/2025	7491	1466	2450	Head	1.795	41.022	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
S2	2600	10/17/2025	7402	1502	2600	Head	1.904	39.462	PASS	PASS	PASS	TDD	PASS	N/A
S3	2600	10/29/2025	7558	1364	2600	Head	1.945	39.521	PASS	PASS	PASS	TDD	PASS	N/A
S5	2600	11/5/2025	7546	1368	2600	Head	1.913	38.791	PASS	PASS	PASS	TDD	PASS	N/A
S4	2600	9/26/2025	7491	1466	2600	Head	1.906	39.469	PASS	PASS	PASS	TDD	PASS	N/A
S2	3500	9/8/2025	7402	1502	3500	Head	2.793	39.650	PASS	PASS	PASS	TDD	PASS	N/A
S2	3700	9/8/2025	7402	1502	3700	Head	2.996	39.144	PASS	PASS	PASS	TDD	PASS	N/A
S2	3900	9/9/2025	7402	1502	3900	Head	3.178	38.840	PASS	PASS	PASS	TDD	PASS	N/A
S5	5250	9/22/2025	7546	1368	5250	Head	4.588	36.094	PASS	PASS	PASS	OFDM	N/A	PASS
S1	5250	9/4/2025	7637	1652	5250	Head	4.507	34.843	PASS	PASS	PASS	OFDM	N/A	PASS
S5	5600	9/22/2025	7546	1368	5600	Head	4.588	36.094	PASS	PASS	PASS	OFDM	N/A	PASS
S1	5600	9/4/2025	7637	1652	5600	Head	4.894	34.133	PASS	PASS	PASS	OFDM	N/A	PASS
S5	5750	9/22/2025	7546	1368	5750	Head	5.228	35.078	PASS	PASS	PASS	OFDM	N/A	PASS
S1	5750	9/5/2025	7637	1652	5750	Head	5.199	34.208	PASS	PASS	PASS	OFDM	N/A	PASS
S5	5850	9/22/2025	7546	1368	5850	Head	5.331	34.861	PASS	PASS	PASS	OFDM	N/A	PASS
R	6500	2/27/2025	7570	1638	6500	Head	5.868	34.355	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 Handset		APPENDIX G: Page 1 of 1