

APPENDIX H: 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 H-1
SAR System Validation Summary – 1g

System Cond. Perm. System Cond. Perm. Cond. Perm. System Cond. Perm. System Cond. Perm. Sensitivity Sensitivit		SAN System validation c									MOD VALIDATION			
System (MHz) SN (c) (er) SENSITIVITY LINEARITY ISOTROPY TYPE FACTOR PAS	SAR	Freq.	D-4-	Probe			Cond.		CW VALIDATION			MOD. VALIDATION		
S 835 01/20/2022 7552 835 Head 0.897 42.532 PASS PASS PASS MA NA NA L 1750 01/10/2022 7670 1750 Head 1.380 41.113 PASS PASS PASS NA	System	(MHz)	Date	SN			(σ)		SENSITIVITY	_			_	PAR
L 1750 01/10/2022 7670 1750 Head 1.380 41.113 PASS PASS PASS N/A N/A N/A N/S 1750 01/20/2022 7552 1750 Head 1.383 40.760 PASS PASS PASS N/A	S	750	01/20/2022	7552	750	Head	0.866	42.809	PASS	PASS	PASS	N/A	N/A	N/A
S 1750 01/20/2022 7552 1750 Head 1.363 40.760 PASS PASS PASS N/A	S	835	01/20/2022	7552	835	Head	0.897	42.532	PASS	PASS	PASS	GMSK	PASS	N/A
L 1900 01171/2022 7670 1900 Head 1.395 38.770 PASS PASS PASS GMSK PASS N S 1900 01/20/2022 7552 1900 Head 1.461 40.511 PASS PASS PASS GMSK PASS N E 2450 03/16/2022 7538 2450 Head 1.657 38.705 PASS PASS PASS GMSK PASS PASS PASS O71/20/2022 7538 2450 Head 1.757 39.544 PASS PASS PASS OFDM/TDD PASS PASS PASS O71/20/2022 7409 2450 Head 1.757 39.544 PASS PASS PASS PASS OFDM/TDD PASS PASS PASS PASS O71/20/2022 7409 2600 Head 1.933 39.030 PASS PASS PASS PASS D71/20/2022 7409 2600 Head 1.933 39.030 PASS PASS PASS PASS D71/20/2022 7409 2600 Head 2.881 38.022 PASS PASS PASS D71/20/20 PASS PASS PASS PASS PASS PASS PASS PAS	L	1750	01/10/2022	7670	1750	Head	1.380	41.113	PASS	PASS	PASS	N/A	N/A	N/A
S 1900 01/20/2022 7552 1900 Head 1.461 40.511 PASS PASS PASS GMSK PASS N E 2450 03/16/2022 7538 2450 Head 1.857 38.705 PASS PASS PASS PASS OFDM/TDD PASS PASS P 2450 07/12/2022 7409 2450 Head 1.757 38.705 PASS PASS PASS PASS OFDM/TDD PASS PASS P 2450 07/12/2022 7409 2450 Head 1.933 39.030 PASS PASS PASS PASS DASS PASS PASS PASS	S	1750	01/20/2022	7552	1750	Head	1.363	40.760	PASS	PASS	PASS	N/A	N/A	N/A
E 2450 03/16/2022 7538 2450 Head 1.857 38.705 PASS PASS PASS OFDM/TDD PASS PASS PASS PASS OFDM/TDD PASS PASS PASS OFDM/TDD PASS PASS PASS OFDM/TDD PASS PASS PASS DASS PASS DASS DASS PASS DASS D	L	1900	01/17/2022	7670	1900	Head	1.395	38.770	PASS	PASS	PASS	GMSK	PASS	N/A
P 2450 07/12/2022 7409 2450 Head 1.757 39.544 PASS PASS OFDM/TDD PASS PAS P 2600 07/12/2022 7409 2600 Head 1.933 39.030 PASS PASS TDD PASS N L 3700 10/13/2021 7670 3700 Head 2.881 38.022 PASS PASS TDD PASS N L 3900 10/13/2021 7670 3900 Head 2.975 37.851 PASS PASS PASS TDD PASS N O 5250 03/18/2022 7417 5250 Head 4.856 36.094 PASS PASS PASS OFDM N/A NA O 5600 03/21/2022 7417 5750 Head 5.206 34.462 PASS PASS PASS OFDM N/A N/A L 750 03/21/2022 7610 750	S	1900	01/20/2022	7552	1900	Head	1.461	40.511	PASS	PASS	PASS	GMSK	PASS	N/A
P 2600 07/12/2022 7409 2600 Head 1.933 39.030 PASS PASS TDD PASS N L 3700 10/13/2021 7670 3700 Head 2.881 38.022 PASS PASS PASS TDD PASS N L 3900 10/13/2021 7670 3900 Head 2.975 37.851 PASS PASS TDD PASS N O 5250 03/18/2022 7417 5250 Head 4.856 36.094 PASS PASS PASS OFDM N/A PAS O 5600 03/21/2022 7417 5600 Head 5.206 34.462 PASS PASS PASS OFDM N/A PAS L 750 03/21/2022 7610 750 Body 0.962 55.636 PASS PASS PASS N/A N/A N/A L 750 01/05/2022 7659	Е	2450	03/16/2022	7538	2450	Head	1.857	38.705	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
L 3700 10/13/2021 7670 3700 Head 2.881 38.022 PASS PASS PASS TDD PASS N L 3900 10/13/2021 7670 3900 Head 2.975 37.851 PASS PASS PASS TDD PASS N D S250 03/18/2022 7417 5250 Head 4.856 36.094 PASS PASS PASS DASS DE	Р	2450	07/12/2022	7409	2450	Head	1.757	39.544	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
L 3900 10/13/2021 7670 3900 Head 2.975 37.851 PASS PASS PASS TDD PASS N O 5250 03/18/2022 7417 5250 Head 4.856 36.094 PASS PASS PASS OFDM N/A PASS O 5500 03/21/2022 7417 5600 Head 5.206 34.462 PASS PASS PASS OFDM N/A PASS O 5750 03/21/2022 7417 5750 Head 5.388 34.210 PASS PASS PASS OFDM N/A PASS O 5750 03/21/2022 7670 750 Body 0.962 55.636 PASS PASS PASS PASS N/A	Р	2600	07/12/2022	7409	2600	Head	1.933	39.030	PASS	PASS	PASS	TDD	PASS	N/A
O 5250 03/18/2022 7417 5250 Head 4.856 36.094 PASS PASS PASS OFDM N/A PAS O 5600 03/21/2022 7417 5600 Head 5.206 34.462 PASS PASS PASS OFDM N/A PAS O 5750 03/21/2022 7417 5750 Head 5.388 34.210 PASS PASS PASS OFDM N/A PAS L 750 01/05/2022 7670 750 Body 0.962 55.636 PASS PASS PASS N/A N/A <td>L</td> <td>3700</td> <td>10/13/2021</td> <td>7670</td> <td>3700</td> <td>Head</td> <td>2.881</td> <td>38.022</td> <td>PASS</td> <td>PASS</td> <td>PASS</td> <td>TDD</td> <td>PASS</td> <td>N/A</td>	L	3700	10/13/2021	7670	3700	Head	2.881	38.022	PASS	PASS	PASS	TDD	PASS	N/A
O 5600 03/21/2022 7417 5600 Head 5.206 34.462 PASS PASS PASS OFDM N/A PAS O 5750 03/21/2022 7417 5750 Head 5.388 34.210 PASS PASS PASS OFDM N/A PAS L 750 01/05/2022 7670 750 Body 0.962 55.636 PASS PASS PASS N/A N/	L	3900	10/13/2021	7670	3900	Head	2.975	37.851	PASS	PASS	PASS	TDD	PASS	N/A
O 5750 03/21/2022 7417 5750 Head 5.388 34.210 PASS PASS PASS OFDM N/A PAS L 750 01/05/2022 7670 750 Body 0.962 55.636 PASS PASS PASS N/A <	0	5250	03/18/2022	7417	5250	Head	4.856	36.094	PASS	PASS	PASS	OFDM	N/A	PASS
L 750 01/05/2022 7659 750 Body 0.962 55.636 PASS PASS PASS N/A	0	5600	03/21/2022	7417	5600	Head	5.206	34.462	PASS	PASS	PASS	OFDM	N/A	PASS
K 750 05/24/2022 7659 750 Body 0.964 55.448 PASS PASS PASS N/A	0	5750	03/21/2022	7417	5750	Head	5.388	34.210	PASS	PASS	PASS	OFDM	N/A	PASS
1 835	L	750	01/05/2022	7670	750	Body	0.962	55.636	PASS	PASS	PASS	N/A	N/A	N/A
L 1750 01/05/2022 7670 1750 Body 1.477 53.736 PASS PASS PASS N/A	K	750	05/24/2022	7659	750	Body	0.964	55.448	PASS	PASS	PASS	N/A	N/A	N/A
1 1750 07/01/2022 7660 1750 Body 1.467 53.907 PASS PASS PASS PASS N/A N/A	ı	835	07/01/2022	7660	835	Body	0.953	57.558	PASS	PASS	PASS	GMSK	PASS	N/A
E 1900 03/22/2022 7538 1900 Body 1.583 50.883 PASS PASS PASS GMSK PASS N O 1900 03/24/2022 7417 1900 Body 1.536 52.790 PASS PASS PASS GMSK PASS N N N N N N N N N N N N N N N N N N	L	1750	01/05/2022	7670	1750	Body	1.477	53.736	PASS	PASS	PASS	N/A	N/A	N/A
O 1900 03/24/2022 7417 1900 Body 1.536 52.790 PASS PASS PASS GMSK PASS N K 1900 07/21/2022 7659 1900 Body 1.559 51.740 PASS PASS PASS GMSK PASS N 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 L 3700 10/13/2021 7670 3700 Body 3.637 50.037 PASS PASS PASS TDD PASS N I 3700 06/30/2022 7660 3700 Body 3.630 50.098 PASS PASS PASS TDD PASS N I 3900 <t< td=""><td>ı</td><td>1750</td><td>07/01/2022</td><td>7660</td><td>1750</td><td>Body</td><td>1.467</td><td>53.907</td><td>PASS</td><td>PASS</td><td>PASS</td><td>N/A</td><td>N/A</td><td>N/A</td></t<>	ı	1750	07/01/2022	7660	1750	Body	1.467	53.907	PASS	PASS	PASS	N/A	N/A	N/A
K 1900 07/21/2022 7659 1900 Body 1.559 51.740 PASS PASS PASS GMSK PASS N 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 L 3700 10/13/2021 7670 3700 Body 3.637 50.037 PASS PASS PASS TDD PASS N I 3700 06/30/2022 7660 3700 Body 3.835 50.440 PASS PASS PASS TDD PASS N I 3900 07/01/2022 7660 3900 Body 3.630 50.098 PASS PASS PASS TDD PASS N O 5250 <td< td=""><td>E</td><td>1900</td><td>03/22/2022</td><td>7538</td><td>1900</td><td>Body</td><td>1.583</td><td>50.883</td><td>PASS</td><td>PASS</td><td>PASS</td><td>GMSK</td><td>PASS</td><td>N/A</td></td<>	E	1900	03/22/2022	7538	1900	Body	1.583	50.883	PASS	PASS	PASS	GMSK	PASS	N/A
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 L 3700 10/13/2021 7670 3700 Body 3.637 50.037 PASS PASS PASS TDD PASS N I 3700 06/30/2022 7660 3700 Body 3.385 50.440 PASS PASS PASS TDD PASS N I 3900 07/01/2022 7660 3900 Body 3.630 50.098 PASS PASS PASS TDD PASS N O 5250 03/10/2022 7417 5250 Body 5.470 48.210 PASS PASS PASS OFDM N/A PASS O 5600 <	0	1900	03/24/2022	7417	1900	Body	1.536	52.790	PASS	PASS	PASS	GMSK	PASS	N/A
S 2600 01/25/2022 7552 2600 Body 2.147 51.997 PASS PASS PASS TDD PASS N L 3700 10/13/2021 7670 3700 Body 3.637 50.037 PASS PASS PASS TDD PASS N I 3700 06/30/2022 7660 3700 Body 3.385 50.440 PASS PASS PASS TDD PASS N I 3900 07/01/2022 7660 3900 Body 3.630 50.098 PASS PASS PASS TDD PASS N 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	K	1900	07/21/2022	7659	1900	Body	1.559	51.740	PASS	PASS	PASS	GMSK	PASS	N/A
L 3700 10/13/2021 7670 3700 Body 3.637 50.037 PASS PASS PASS TDD PASS N I 3700 06/30/2022 7660 3700 Body 3.385 50.440 PASS PASS PASS TDD PASS N I 3900 07/01/2022 7660 3900 Body 3.630 50.098 PASS PASS PASS TDD PASS N 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	S	2450	01/25/2022	7552	2450	Body	2.016	52.250	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
I 3700 06/30/2022 7660 3700 Body 3.385 50.440 PASS PASS PASS TDD PASS N I 3900 07/01/2022 7660 3900 Body 3.630 50.098 PASS PASS PASS TDD PASS N O 5250 03/10/2022 7417 5250 Body 5.470 48.210 PASS PASS PASS OFDM N/A PA O 5600 03/10/2022 7417 5600 Body 5.973 47.490 PASS PASS PASS OFDM N/A PA	S	2600	01/25/2022	7552	2600	Body	2.147	51.997	PASS	PASS	PASS	TDD	PASS	N/A
I 3900 07/01/2022 7660 3900 Body 3.630 50.098 PASS PASS PASS TDD PASS N O 5250 03/10/2022 7417 5250 Body 5.470 48.210 PASS PASS PASS OFDM N/A PAS O 5600 03/10/2022 7417 5600 Body 5.973 47.490 PASS PASS PASS OFDM N/A PAS	L	3700	10/13/2021	7670	3700	Body	3.637	50.037	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 PAS O 5600 03/10/2022 7417 5600 Body 5.973 47.490 PASS PASS PASS OFDM N/A PAS	- 1	3700	06/30/2022	7660	3700	Body	3.385	50.440	PASS	PASS	PASS	TDD	PASS	N/A
O 5600 03/10/2022 7417 5600 Body 5.973 47.490 PASS PASS PASS OFDM N/A PA	I	3900	07/01/2022	7660	3900	Body	3.630	50.098	PASS	PASS	PASS	TDD	PASS	N/A
7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	0	5250	03/10/2022	7417	5250	Body	5.470	48.210	PASS	PASS	PASS	OFDM	N/A	PASS
O 5750 03/11/2022 7417 5750 Body 6.190 47.228 PASS PASS DASS OFDM N/A PA	0	5600	03/10/2022	7417	5600	Body	5.973	47.490	PASS	PASS	PASS	OFDM	N/A	PASS
0 0700 00/11/2022 7417 0700 Body 0.100 47.220 1700 1700 1700 1700	0	5750	03/11/2022	7417	5750	Body	6.190	47.228	PASS	PASS	PASS	OFDM	N/A	PASS

FCC ID: PY7-76056F	SAR EVALUATION REPORT	Approved by:
DUT Type: Portable Handset		APPENDIX H: Page 1 of 2



Table H-2 SAR System Validation Summary – 10g

SAR	Freq. (MHz)	Date	Probe SN		Cons		Cond. Perm. (εr)	CW VALIDATION			MOD. VALIDATION		
System				Probe Cal Point				SENSITIVITY	PROBE LINEARITY	PROBE ISOTROPY	MOD. TYPE	DUTY FACTOR	PAR
G	13	06/09/2022	7527	13	Head	0.762	52.537	PASS	PASS	PASS	N/A	N/A	N/A
ı	1750	07/01/2022	7660	1750	Body	1.467	53.907	PASS	PASS	PASS	N/A	N/A	N/A
0	1900	03/24/2022	7417	1900	Body	1.536	52.790	PASS	PASS	PASS	GMSK	PASS	N/A
K	1900	07/21/2022	7659	1900	Body	1.559	51.740	PASS	PASS	PASS	GMSK	PASS	N/A
S	2600	01/25/2022	7552	2600	Body	2.147	51.997	PASS	PASS	PASS	TDD	PASS	N/A
I	3700	06/30/2022	7660	3700	Body	3.385	50.440	PASS	PASS	PASS	TDD	PASS	N/A
I	3900	07/01/2022	7660	3900	Body	3.630	50.098	PASS	PASS	PASS	TDD	PASS	N/A
0	5250	03/10/2022	7417	5250	Body	5.470	48.210	PASS	PASS	PASS	OFDM	N/A	PASS
0	5600	03/10/2022	7417	5600	Body	5.973	47.490	PASS	PASS	PASS	OFDM	N/A	PASS
0	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: PY7-76056F	SAR EVALUATION REPORT	Approved by:	
		Technical Manager	
DUT Type: Portable Handset		APPENDIX H: Page 2 of 2	