MOTOROLA

ACCREDITED
TESTING CERT # 2518.01

DECLARATION OF COMPLIANCE SAR ASSESSMENT Part 1 of 4

Enterprise Mobility Solutions
EME Test Laboratory
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Date of Report: 6/08/10
Report Revision: A
Report ID: SAR rpt_APX7000 U2 7-800_Rev A_100608 SR8265

Responsible Engineer:	Michael Sailsman (Sr. Staff EME Engineer)
Report Author:	Michael Sailsman (Sr. Staff EME Engineer)
Date/s Tested:	4/9/10-5/11/10
Manufacturer/Location:	Motorola, Penang
Sector/Group/Div.:	G&PS
Date submitted for test:	4/14/10
DUT Description:	450-520 1-5W, 764-870 MHz 1-3W, 6.25K/12.5K/25K, Top/Dual Display Models W/GPS. Capable of digital and analog FM transmission. Also capable of TDMA transmission.
Test TX mode(s):	50%
Max. Power output:	5.6W(UHF R2) & 2.99W (700 MHz), 3.6W (800 MHz)
Nominal Power:	5W (UHF R2) & 2.5W (700 MHz), 3W (800 MHz)
Tx Frequency Bands:	450-520 MHz(UHF R2) & 764-775 MHz, 794-805 MHz, 806-824 MHz, 851-870 MHz (7/800 MHz)
Signaling type:	FM
Model(s) Tested:	H97TGD9PW1AN/MNUS1000A (QA00572AA & QA00573AA); H97TGD9PW1AN/MNUS1001A (w/Q792 keypad, QA00572AA & QA00573AA)
Model(s) Certified:	H97TGD9PW1AN/MNUS1000A (QA00572AA & QA00573AA); H97TGD9PW1AN/MNUS1001A (w/Q792 keypad, QA00572AA & QA00573AA)
Serial Number(s):	Q0BME02S, Q0BME02O, Q05ME0D5
Classification:	Occupational/Controlled Environment
FCC ID:	AZ489FT7042
FCC Rule Part(s):	90; 450-512 MHz (UHF R2); 764-775 MHz, 794-805 MHz, 806-824 MHz, 851-870 MHz
IC ID:	109U-89FT7042
IC standard(s):	RSS 102 issue 4; Safety Code 6

* Refer to section 15 for a summary of SAR results.

The test results clearly demonstrate compliance with FCC Occupational/Controlled RF Exposure limits of 8 W/kg averaged over 1 gram per the requirements of 47 CFR 2.1093(d). The 10 grams results are not applicable to FCC filing.
The test results clearly demonstrate compliance with ICNIRP (1998) Guidelines for limiting exposure in time-varying electric, magnetic, and electromagnetic fields (up to 300 GHz), Health Physics 74, 494-522 RF Exposure limits of 10 W/kg averaged over 10 grams of contiguous tissue.

Based on the information and the testing results provided herein, the undersigned certifies that when used as stated in the operating instructions supplied, said product complies with the national and international reference standards and guidelines listed in section 3.0 of this report. This report shall not be reproduced without written approval from an officially designated representative of the Motorola EME Laboratory.
I attest to the accuracy of the data and assume full responsibility for the completeness of these measurements. This reporting format is consistent with the suggested guidelines of the TIA TSB-150 December 2004. The results and statements contained in this report pertain only to the device(s) evaluated.

Signature on file
Deanna Zakharia
EMS EME Lab Senior Resource Manager, Laboratory Director

Approval Date: 6/8/10

Certification Date: 6/8/10

Certification No.: L1100611P

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APPENDICES

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Part 4 of 4

Report Revision History

Date	Revision	Comments
6/02/10	O	Initial release
6/8/10	A	Revised relevant sections to update model number and identify frequencies outside FCC allocations.

1.0 Introduction

This report details the utilization, test setup, test equipment, and test results of the Specific Absorption Rate (SAR) measurements performed at the EMS EME Test Laboratory for tested model numbers H97TGD9PW1AN/MNUS1000A (QA00572AA & QA00573AA) and H97TGD9PW1AN/MNUS1001A (w/Q792 keypad, QA00572AA & QA00573AA) FCC ID: AZ489FT7042.

2.0 Abbreviations / Definitions

CNR: Calibration Not Required
CQPSK**:** Compatible Quadrature Phase-Shift Keying
CW: Continues Wave
DUT: Device Under Test
FM: Frequency Modulation
NA: Not Applicable
PTT: Push to Talk
RSM: Remote Speaker Microphone
TDMA: Time Division Multiple Access
SAR: Specific Absorption Rate

Audio Accessories: These accessories allow communication while the DUT is worn on the body.
Body Worn Accessories: These accessories allow the DUT to be worn on the body of the user.
Maximum Power: Defined as the upper limit of the production line final test station.
Receive only audio accessory: Audio accessories that do not enable transmission and are for listening only.

3.0 Referenced Standards and Guidelines

This product is designed to comply with the following applicable national and international standards and guidelines.

- IEC62209-1*(2005) Procedure to determine the specific absorption rate (SAR) for hand-held devices used in close proximity to the ear (frequency range of 300 MHz to 3 GHz)
- United States Federal Communications Commission, Code of Federal Regulations; Rule Part 47CFR § 2.1093 sub-part J:1999
- Federal Communications Commission, “Evaluating Compliance with FCC Guidelines for Human Exposure to Radio frequency Electromagnetic Fields”, OET Bulletin 65, Supplement C (Edition 01-01), FCC, Washington, D.C.: June 2001.
- IEEE 1528*(2003), Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques
- American National Standards Institute (ANSI) / Institute of Electrical and Electronics Engineers (IEEE) C95. 1-1992
- Institute of Electrical and Electronics Engineers (IEEE) C95.1-2005
- International Commission on Non-Ionizing Radiation Protection (ICNIRP) 1998
- Ministry of Health (Canada) Safety Code 6 (2009), Limits of Human Exposure to Radio frequency Electromagnetic Fields in the Frequency Range from 3 kHz to 300 GHz

- Australian Communications Authority Radio communications (Electromagnetic Radiation - Human Exposure) Standard (2003)
- ANATEL, Brazil Regulatory Authority, Resolution No. 303 of July 2, 2002 "Regulation of the limitation of exposure to electrical, magnetic, and electromagnetic fields in the radio frequency range between 9kHz and 300 GHz." and "Attachment to resolution # 303 from July 2, 2002"
- IEC62209-2 Edition 1.0 2010-03, Human Exposure to Radio Frequency Fields from Handheld and Body-Mounted Wireless Communication Devices – Human models, Instrumentation, and Procedures Part 2: Procedure to determine the specific absorption rate (SAR) for mobile wireless communication devices used in close proximity to the human body (frequency range of 30MHz to 6GHz), revised on Oct 3, 2008.

* The IEC62209-1 and IEEE1528 are applicable for hand-held devices used in close proximity to the ear only.

4.0 SAR Limits

TABLE 1

EXPOSURE LIMITS	SAR (W/kg)	
	(General Population / Uncontrolled Exposure Environment)	(Occupational / Controlled Exposure Environment)
Spatial Average - ANSI - (averaged over the whole body)	**0.08**	**0.4**
Spatial Peak - ANSI - (averaged over any 1-g of tissue)	**1.6**	**8.0**
Spatial Peak – ICNIRP/ANSI - (hands/wrists/feet/ankles averaged over 10-g)	**4.0**	**20.0**
Spatial Peak - ICNIRP - (Head and Trunk 10-g)	**2.0**	**10.0**

5.0 SAR Result Scaling Methodology

The calculated 1-gram and 10-gram averaged SAR results indicated as "Max Calc. 1g-SAR" and "Max Calc.10g-SAR" in the data tables is determined by scaling the measured SAR to account for power leveling variations and power slump. A table and graph of output power versus time is provided in APPENDIX G. For this device the "Max Calc. 1g-SAR" and "Max Calc.10g-SAR" are scaled using the following formula:

$$Max\_Calc = SAR\_meas \cdot 10^{\frac{-Drift}{10}} \cdot \frac{P\_max}{P\_int} \cdot DC$$

P_max = Maximum Power (W)
P_int = Initial Power (W)
Drift = DASY drift results (dB)
SAR_meas = Measured 1-g or 10-g Avg. SAR (W/kg)
DC = Transmission mode duty cycle in % where applicable
50% duty cycle is applied for PTT operation
Note: for conservative results, the following are applied:
If P_int > P_max, then P_max/P_int = 1.
Drift = 1 for positive drift

6.0 Description of Device Under Test (DUT)

FCC ID: AZ489FT7042 operates using digital and analog frequency modulation (FM) as well as TDMA signaling incorporating traditional simplex two-way radio transmission protocol.

Time Division Multiple Access (TDMA) is used to allocate portions of the RF signal by dividing time into two slots. Time allocation enables each unit to transmit its voice information without interference from other transmitting units. Each transmit slot is 30 ms long and it is followed by a 30ms standby/receive producing a frame length of 60 milliseconds. C4FM CQPSK modulation is used and includes 12.5kHz channel spacing. The TDMA technique requires sophisticated algorithms and a digital signal processor (DSP) to perform voice compressions/decompressions and RF modulation/demodulation. The maximum duty cycle for TDMA is 2:1 and is controlled by software. The FM signal is continuous. However because of hand shaking or Push-To-Talk (PTT) between users and/or base stations a conservative 50% duty cycle is applied. The TDMA mode was not tested because its duty cycle is inherently 50% and would include an additional 50% duty cycle for PTT.

The model represented under this filing utilizes removable antennas and is capable of transmitting in the 450-520 MHz, 764-775 MHz, 794-805 MHz, 806-824MHz and 851-870 MHz bands. Results presented herein for UHF frequency 520MHz are not applicable to FCC PT 90. The nominal output powers are 5.0 watts in the 450-520 MHz band, 2.5 watts in the 700 MHz band, 3.0 watts in the 800MHz band. The maximum output powers are 5.6 watts in the 450-520 MHz, 2.99 watts in the 700 MHz band, 3.6 watts in the 800MHz band as defined by the upper limit of the production line final test station. The intended operating positions are “at the face” with the DUT at least 1 inch from the mouth, and “at the body” by means of the offered body worn accessories. Body worn audio and PTT operation is accomplished by means of optional remote accessories that are connected to the radio.

7.0 Optional Accessories and Test Criteria

FCC ID: AZ489FT7042 is offered with optional accessories. All accessories were individually evaluated during the test plan creation to determine if testing was required. The following sections identify the test criteria and details for each accessory category.

7.1 Antennas

All offered antennas were tested. Table 2 below lists the offered antennas and antenna descriptions. Table 2a provides the separation distances for each antenna with each of the offered batteries, belt clip and 2.5 cm separation distance positions. Refer to Exhibit 7B section 6.1 for antenna photos and Sections 1.0 and 2.0 for photos of device and or antenna separation distances.

TABLE 2

Antenna Kits	Description
PMAS4000A	UHF/7-800/GPS; 380-520 MHz, 764-870 MHz, 1575 MHz; ¼ wave, -2.0 dBd; 21 cm
PMAE4065A	UHF/GPS (radio and PSM); 380-520 MHz, 157 5MHz; ¼ wave; -2.0 dBd; 15 cm
NAF5085A	7-800/GPS, 764-870 MHz, 1575 MHz, ¼ wave; -2.0 dBd; 20 cm
PMAF4002A	7/800 MHz PSM stubby 764-807 MHz ¼ wave; -10 dBd; 9 cm

TABLE 2a

Antenna	Battery	Carry Accessory	Separation distances between DUT antenna and phantom surface (mm)	
			@ Antenna's base	@ Antenna's tip
BODY				
PMAE4065A	NNTN7038A	NTN8266B	26	35
PMAE4065A	NNTN7034A	NTN8266B	26	35
PMAE4065A	NNTN7033A	NTN8266B	26	35
PMAE4065A	NNTN7036A	NTN8266B	26	35
PMAE4065A	NNTN7034A	None, DUT back 2.5cm	42	47
PMAE4065A	NNTN7034A	None, DUT front 2.5cm	41	47
FACE				
PMAE4065A	NNTN7038A	None, DUT front 2.5cm	40	45
PMAE4065A	NNTN7034A	None, DUT front 2.5cm	39	46
PMAE4065A	NNTN7033A	None, DUT front 2.5cm	39	46
PMAE4065A	NNTN7036A	None, DUT front 2.5cm	39	46
PMAE4065A	NNTN7038A	None, DUT back 2.5cm	42	48
PMAE4065A	NNTN7034A	None, DUT back 2.5cm	42	48
PMAE4065A	NNTN7033A	None, DUT back 2.5cm	42	48
PMAE4065A	NNTN7036A	None, DUT back 2.5cm	42	48
PSM				
PMAE4065A	NA	PSM belt clip	20	28
PMAE4065A	NA	None, PSM front 2.5cm	34	39

TABLE 2a Continued

Antenna	Battery	Carry Accessory	Separation distances between DUT antenna and phantom surface (mm)	
			@ Antenna's base	@ Antenna's tip
BODY				
NAF5085A	NNTN7038A	NTN8266B	26	44
NAF5085A	NNTN7034A	NTN8266B	26	44
NAF5085A	NNTN7033A	NTN8266B	26	44
NAF5085A	NNTN7036A	NTN8266B	26	44
NAF5085A	NNTN7038A	None, DUT back w/ antenna 2.5cm	25	25
NAF5085A	NNTN7038A	None, DUT back 2.5cm	42	53
NAF5085A	NNTN7038A	None, DUT front 2.5cm	39	47
NAF5085A	NNTN7036A	None, DUT back w/ antenna 2.5cm	25	25
NAF5085A	NNTN7036A	None, DUT front 2.5cm	38	49
FACE				
NAF5085A	NNTN7038A	None, DUT front 2.5cm	42	51
NAF5085A	NNTN7034A	None, DUT front 2.5cm	39	50
NAF5085A	NNTN7033A	None, DUT front 2.5cm	39	50
NAF5085A	NNTN7036A	None, DUT front 2.5cm	39	50
NAF5085A	NNTN7038A	None, DUT back 2.5cm	42	53
NAF5085A	NNTN7034A	None, DUT back 2.5cm	42	53
NAF5085A	NNTN7033A	None, DUT back 2.5cm	42	53
NAF5085A	NNTN7036A	None, DUT back 2.5cm	42	53

TABLE 2a continued

Antenna	Battery	Carry Accessory	Separation distances between DUT antenna and phantom surface (mm)	
			@ Antenna's base	@ Antenna's tip
BODY				
PMAS4000A	NNTN7038A	NTN8266B	26	36
PMAS4000A	NNTN7034A	NTN8266B	26	36
PMAS4000A	NNTN7033A	NTN8266B	26	36
PMAS4000A	NNTN7036A	NTN8266B	26	36
PMAS4000A	NNTN7036A/NNTN7033A	None, DUT back w/ antenna 2.5cm	25	25
PMAS4000A	NNTN7036A	None, DUT back 2.5cm	42	47
PMAS4000A	NNTN7036A/NNTN7033A	None, DUT front 2.5cm	40	50
FACE				
PMAS4000A	NNTN7038A	None, DUT front 2.5cm	42	53
PMAS4000A	NNTN7034A	None, DUT front 2.5cm	39	50
PMAS4000A	NNTN7033A	None, DUT front 2.5cm	39	50
PMAS4000A	NNTN7036A	None, DUT front 2.5cm	39	50
PMAS4000A	NNTN7038A	None, DUT back 2.5cm	41	44
PMAS4000A	NNTN7034A	None, DUT back 2.5cm	41	47
PMAS4000A	NNTN7033A	None, DUT back 2.5cm	41	47
PMAS4000A	NNTN7036A	None, DUT back 2.5cm	41	47
PSM				
PMAF4002A	NA	PSM belt clip	19	24
PMAF4002A	NA	None, PSM front 2.5cm	35	40

7.2 Batteries

The offered batteries were evaluated during the test plan generation.

TABLE 3

Battery Kits	Description	Tested	Comments
NNTN7038A	Hi Cap Li Ion 2900mAh	Yes	None
NNTN7036A	FM NiMH 2000mAh	Yes	None
NNTN7035A	FM NiMH 2000mAh rugged	No	Similar to NNTN7036A. Rugged texture with same separation distances.
NNTN7034A	Li Ion 4200mAh	Yes	None
NNTN7033A	FM Li Ion 4100mAh	Yes	None

7.3 Body worn Accessories

All offered body worn accessories were evaluated during the test plan generation. Refer to Exhibit 7B sections 1.0 and 2.0 for photos of the body worn test configurations and section 6.3 for individual photos of the body worn accessories with the DUT.

TABLE 4

Body worn Kits	Description	Tested
NTN8266B	2.5 inch belt clip	Yes

7.4 Audio Accessories

All offered audio accessories were evaluated during the test plan generation.

TABLE 5

Audio Acc. Kits	Description	Tested	Comments
HMN4104A	Display RSM w/ channel knob	Yes	Tested at the body
PMLN5275A	Core H/D headset	Yes	Tested at the body
RLN5878A	Core 1 wire ear piece	Yes	Receive only. Tested at the Face
RLN5882A	Plus 2 wire /w translucent tube (PTT)	Yes	Tested at the body
PMMN4060A	Public Safety Mic 24 inch	Yes	Tested at the body and face
PMMN4061A	Public Safety Mic 30 inch	Yes	Tested at the body and face

8.0 Description of Test System

8.1 Descriptions of Robotics/Probes/Readout Electronics

The laboratory utilizes a Dosimetric Assessment System (DASY4™) SAR measurement system Version 4.7 build 80 manufactured by Schmid & Partner Engineering AG (SPEAG™), of Zurich Switzerland. The test system consists of a Stäubli RX90L robot, DAE3, and ES3DV3 E-field probe. The DASY4™ system is operated per the instructions in the DASY4™ Users Manual. The complete manual is available directly from SPEAG™. All measurement equipment used to assess EME SAR compliance was calibrated according to ISO/IEC 17025 A2LA guidelines. Section 9.0 presents additional test equipment information. Appendices B and C present the applicable calibration certificates. The E-field probe first scans a coarse grid over a large area inside the phantom in order to locate the interpolated maximum SAR distribution. After the coarse scan measurement, the probe is automatically moved to a position at the interpolated maximum. The subsequent scan can directly use this position as reference for the cube evaluations.

8.2 Description of Phantom(s)

8.2.1 Dual Flat Phantom

N/A

8.2.2 SAM Phantom

N/A

8.2.3 Elliptical Phantom

TABLE 6

Phantom ID (s)	Material Parameters	Phantom Dimensions LxWxD (mm)	Material Thickness (mm)	Support Structure Material	Loss Tangent (wood)
OVAL1011 OVAL1016 OVAL1018 OVAL1019 OVAL1020	300MHz -6GHz; Er = 4+/- 1, Loss Tangent = ≤0.05	600x400x190	2mm +/- 0.2mm	Wood	< 0.05

8.3 Description of Simulated Tissue

The simulated tissue used is compliant to that specified in FCC Supplement C (Edition 01-01) to OET Bulletin 65 (Edition 97-01) and IEEE Std 1528 - 2003 "Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques". The simulated tissue used is also compliant to that specified in IEC62209-1 (2005) and adopted by CENELEC as EN62209-1 (2006).

The sugar based simulate tissue is produced by placing the correct measured amount of De-ionized water into a large container. Each of the dried ingredients are weighed and added to the water carefully to avoid clumping. If the solution has a high sugar concentration the water is pre-heated to aid in dissolving the ingredients. For Diacetin and similar type simulates, sugar and HEC ingredients are not needed. The solution is mixed thoroughly, covered, and allowed to sit overnight prior to use.

Simulated Tissue Composition (by mass)

TABLE 7

% of listed ingredients	450MHz		835MHz	
	Head	Body	Head	Body
Sugar	56.0	46.5	57.0	44.9
Diacetin	0	0	0	0
De ionized -Water	39.1	50.53	40.45	53.06
Salt	3.8	1.87	1.45	0.94
HEC	1.0	1.0	1.0	1.0
Bact.	0.1	0.1	0.1	0.1

1) Reference section 10.1 for target parameters

9.0 Additional Test Equipment

The table below lists additional test equipment used during the SAR assessment.

TABLE 10

Equipment Type	Model Number	Serial Number	Calibration Due Date
Power Meter (HP)	E4418B	US39251266	2/23/2011
Power Meter (Agilent)	E4419B	MY40330364	2/23/2011
E-Series Avg. Power Sensor (Agilent)	E9301B	MY41495593	2/12/2011
E-Series Avg. Power Sensor (Agilent)	E9301B	MY41495594	2/12/2011
Power Sensor (HP)	8481B	3318A10982	3/5/2011
Bi-Directional Coupler (NARDA)	3020A	40296	2/5/2012
Signal Generator (Agilent)	E4438C	MY42082269	2/18/2012
AMP (Amplifier Research)	1W1000	16625	CNR
Temperature recording Equipment			
Dickson Temperature Recorder	TM125	1195889	2/16/2011
Omega Digital Thermometer with J Type TC Probe	HH202A	18800	11/10/2010
Omega Digital Thermometer with J Type TC Probe	HH202A	18812	3/24/2011

TABLE 10 (Continued)

Equipment Type	Model Number	Serial Number	Calibration Due Date
Tissue Station			
Agilent PNA-L Network Analyzer	N5230A	MY45001092	5/22/2010
Dielectric Probe Kit (HP)	85070C	US99360076	CNR
Dipoles			
Speag Dipole	D450V2	1002	9/26/2010
Speag Dipole	D835V2	435	9/22/2010

10.0 SAR Measurement System Verification

The SAR measurements were conducted with probe model(s)/serial number(s) ES3DV3/SN3185. The system performance check was conducted daily and within 24 hours prior to testing. DASY output files of the probe/dipole calibration certificates and system performance test results are included in appendices B, C, D respectively.

Dipole validation scans using head tissue equivalent medium are provided in APPENDIX D. The EMS EME lab validated the dipole to the applicable IEEE 1528-2003 system performance targets. Within the same day system validation was performed using FCC body tissue parameters to generate the system performance target values for body at the applicable frequency. The results of the EMS EME system performance validation are provided herein.

10.1 Equivalent Tissue Test Results

Simulated tissue prepared for SAR measurements is measured daily and within 24 hours prior to actual SAR testing to verify that the tissue is within +/- 5% and or +/- 10% (dependent on specific frequencies and or tissue parameters) of the target parameters at the center of the transmit band. This measurement is done using the applicable equipment indicated in section 9.0. The table below summarizes the measured tissue parameters used for the SAR assessment.

TABLE 11

Frequency (MHz)	Tissue Type	Conductivity Target & Range (S/m)	Dielectric Constant Target & Range	Conductivity Meas. (S/m)	Dielectric Constant Meas.	Tested Date
450	FCC Body	0.94 (0.89-0.99)	56.7 (53.87-59.54)	0.95	55.2	4/10/10
				0.93	54.6	4/11/10
				0.93	54.6	4/12/10
				0.93	54.8	4/13/10
				0.93	55.1	4/14/10
				0.93	54.9	4/15/10
				0.93	54.9	5/5/10
				0.94	55.0	5/6/10
				0.94	55.3	5/11/10

TABLE 11 Continued

Frequency (MHz)	Tissue Type	Conductivity Target & Range (S/m)	Dielectric Constant Target & Range	Conductivity Meas. (S/m)	Dielectric Constant Meas.	Tested Date
450	IEEE/ IEC Head	0.87 (0.83-0.91)	43.5 (41.33-45.68)	0.86	43.1	4/9/10
				0.85	43.0	4/16/10
				0.85	42.5	4/17/10
				0.84	42.5	4/18/10
				0.84	42.6	4/19/10
				0.83	42.3	4/20/10
				0.86	42.8	4/21/10
467	FCC Body	0.94 (0.89-0.99)	56.6 (53.77-59.43)	0.93	54.3	4/9/10
				0.96	55.0	4/10/10
				0.94	54.3	4/11/10
				0.94	54.4	4/12/10
				0.94	54.6	4/13/10
				0.95	54.8	4/14/10
				0.95	54.7	4/15/10
				0.95	54.6	5/6/10
467	IEEE/ IEC Head	0.87 (0.83-0.91)	43.4 (41.23-45.57)	0.88	43.1	4/15/10
				0.86	42.1	4/17/10
				0.85	42.1	4/18/10
				0.86	42.3	4/19/10
				0.85	41.9	4/20/10
503	FCC Body	0.94 (0.89-0.99)	56.5 (53.68-59.33)	0.96	53.7	4/9/10
				0.99	54.5	4/10/10
				0.97	53.8	4/11/10
				0.98	53.8	4/12/10
				0.97	54.1	4/13/10
				0.98	54.2	4/14/10
				0.98	54.2	4/15/10
				0.98	54.0	5/6/10
				0.98	54.3	5/11/10
503	IEEE/ IEC Head	0.87 (0.83-0.91)	43.2 (41.04-45.36)	0.89	41.9	4/16/10
				0.89	41.5	4/17/10
				0.88	41.4	4/18/10
				0.89	41.6	4/19/10

TABLE 11 Continued

Frequency (MHz)	Tissue Type	Conductivity Target & Range (S/m)	Dielectric Constant Target & Range	Conductivity Meas. (S/m)	Dielectric Constant Meas.	Tested Date
835	FCC Body	0.97 (0.92-1.02)	55.2 (52.44-57.96)	0.99	53.3	4/22/10
				0.99	53.4	4/23/10
				0.99	53.2	4/24/10
				0.98	52.9	4/25/10
				0.99	53.1	4/26/10
				0.98	52.7	4/27/10
				0.99	53.2	5/6/10
				0.99	52.8	5/11/10
835	IEEE/IEC Head	0.90 (0.86-0.95)	41.5 (39.43-43.58)	0.92	41.7	4/28/10
				0.93	42.4	4/29/10
				0.92	41.8	4/30/10
				0.93	42.8	5/1/10
				0.92	41.5	5/2/10
				0.92	41.6	5/3/10
				0.93	42.0	5/4/10
				0.92	41.5	5/5/10
770	FCC Body	0.96 (0.91-1.01)	55.5 (52.73-58.28)	0.92	54.0	4/21/10
				0.92	54.0	4/22/10
				0.92	53.9	4/24/10
				0.92	53.6	4/25/10
				0.92	53.8	4/26/10
				0.92	53.5	4/27/10
				0.92	54.0	5/6/10
				0.92	53.5	5/11/10
770	IEEE/ IEC Head	0.89 (0.85-0.93)	41.8 (39.71-43.89)	0.86	42.9	4/27/10
				0.86	42.6	4/28/10
				0.86	42.6	4/30/10
				0.87	43.6	5/1/10
				0.86	42.5	5/3/10
				0.87	42.9	5/4/10
				0.86	42.4	5/5/10
809	FCC Body	0.97 (0.92-1.02)	55.3 (52.54-58.07)	0.96	53.6	4/22/10
				0.96	53.7	4/23/10
				0.96	53.2	4/25/10
				0.96	53.4	4/26/10
				0.96	53.0	4/27/10
809	IEEE/ IEC Head	0.90 (0.86-0.95)	41.6 (39.52-43.68)	0.90	42.1	4/28/10
				0.91	42.8	4/29/10
				0.91	43.1	5/1/10
				0.89	41.8	5/2/10
				0.90	42.4	5/4/10
				0.89	41.8	5/5/10

TABLE 11 Continued

Frequency (MHz)	Tissue Type	Conductivity Target & Range (S/m)	Dielectric Constant Target & Range	Conductivity Meas. (S/m)	Dielectric Constant Meas.	Tested Date
860.5	FCC Body	1.00 (0.95-1.05)	55.1 (52.35-57.86)	1.01	53.1	4/23/10
				1.01	52.9	4/24/10
				1.01	52.6	4/25/10
				1.01	52.9	4/26/10
				1.01	52.5	4/27/10
860.5	IEEE/ IEC Head	0.93 (0.88-0.98)	41.5 (39.43-43.58)	0.96	42.1	4/29/10
				0.94	41.5	4/30/10
				0.94	41.2	5/2/10
				0.95	41.3	5/3/10
				0.95	41.8	5/4/10
				0.94	41.2	5/5/10

10.2 System Check Test Results

System performance checks were conducted each day during the SAR assessment. The results are normalized to 1W. APPENDIX D explains how the targets were set and includes DASY plots for each day during the SAR assessment. The table below summarizes the daily system check results used for the SAR assessment.

TABLE 12

Probe Serial #	Tissue Type	Probe Cal Date	Dipole Kit / Serial #	Reference SAR @ 1W (W/kg)	System Check Test Results when normalized to 1W (W/kg)	Tested Date
3185	FCC Body	11/23/09	SPEAG D450V2/1002	4.40 +/- 10%	4.28	4/10/10
					4.24	4/11/10
					4.28	4/12/10
					4.24	4/13/10
					4.28	4/14/10
					4.32	4/15/10
					3.99	5/5/10
					4.12	5/6/10
					4.20	5/10/10
					4.28	5/11/10
3185	IEEE/ IEC Head	11/23/09	SPEAG D450V2/1002	4.58 +/- 10%	4.48	4/9/10
					4.48	4/17/10
					4.48	4/16/10
					4.56	4/18/10
					4.56	4/19/10
					4.32	4/20/10
					4.44	4/21/10

TABLE 12 Continued

Probe Serial #	Tissue Type	Probe Cal Date	Dipole Kit / Serial #	Reference SAR @ 1W (W/kg)	System Check Test Results when normalized to 1W (W/kg)	Tested Date
3185	FCC Body	11/23/09	SPEAG D835V2 /435	10.04+/- 10%	9.56	4/21/10
					9.6	4/22/10
					9.64	4/23/10
					9.64	4/24/10
					9.52	4/25/10
					9.64	4/26/10
					9.64	4/27/10
					9.64	5/6/10
					10.08	5/11/10
3185	IEEE/ IEC Head	11/23/09	SPEAG D835V2 /435	10.04 +/- 10%	9.20	4/28/10
					9.44	4/29/10
					9.16	4/30/10
					9.68	5/1/10
					9.04	5/2/10
					9.40	5/3/10
					9.40	5/4/10
					9.40	5/5/10

Note: See APPENDIX D for an explanation of the reference SAR targets stated above.

11.0 Environmental Test Conditions

The EME Laboratory ambient environment is well controlled resulting in very stable simulated tissue temperature and therefore stable dielectric properties. Simulated tissue temperature is measured prior to each scan to insure it is within +/ - 2^{o}C of the temperature at which the dielectric properties were determined. The liquid depth within the phantom used for measurements was at least 15cm. Additional precautions are routinely taken to ensure the stability of the simulated tissue such as covering the phantoms when scans are not actively in process in order to minimize evaporation. The lab environment is continuously monitored. The table below presents the range and average environmental conditions during the SAR tests reported herein. Note that relative humidity targets are recommended and not required targets.

TABLE 13

	Target	Measured
Ambient Temperature	18 - 25 ˚C	Range: 21.3-24.2˚C Avg. 22.0˚C
Relative Humidity	30 - 70 %	Range: 46.7-68.2% Avg. 59.4%
Tissue Temperature	NA	Range: 20.4-22.5˚C Avg. 21.41˚C

The EME Lab RF environment uses a Spectrum Analyzer to monitor for extraneous large signal RF contaminants that could possibly affect the test results. If such unwanted signals are discovered the SAR scans are repeated.

12.0 DUT Test Methodology

12.1 Measurements

SAR measurements were performed using the DASY system described in section 8.0 using coarse and 5x5x7 zoom scans. Elliptical flat phantoms filled with applicable simulated tissue were used for body and face testing.

12.2 DUT Configuration(s)

The DUT is a portable device operational at the body and face as described in section 6.0 while using the applicable accessories listed in section 7.0.

12.3 Device Positioning Procedures

The positioning of the device for each body location is described below and illustrated in APPENDIX H.

12.3.1 Body

The DUT was positioned in intended use configuration against the phantom with the offered body worn accessory with the offered audio accessories.
2.5cm testing performed to satisfy the conditions noted in the user manual safety section. 2.5cm tests included the following considerations:

- Back of the device facing the phantom, positioned at 2.5cm from the phantom surface. Depending on the hot spot location this configuration may or may not be included herein since hot spot on the antenna would present a closer separation distance.
- Back of the device facing the phantom with antenna positioned at 2.5cm from the phantom surface. Depending on the hot spot location this configuration may or may not be included herein.
- Front of the device facing the phantom, positioned at 2.5cm from the phantom surface.

12.3.2 Head

NA

12.3.3 Face

The DUT was positioned with its' front and back sides separated 2.5cm from the phantom.

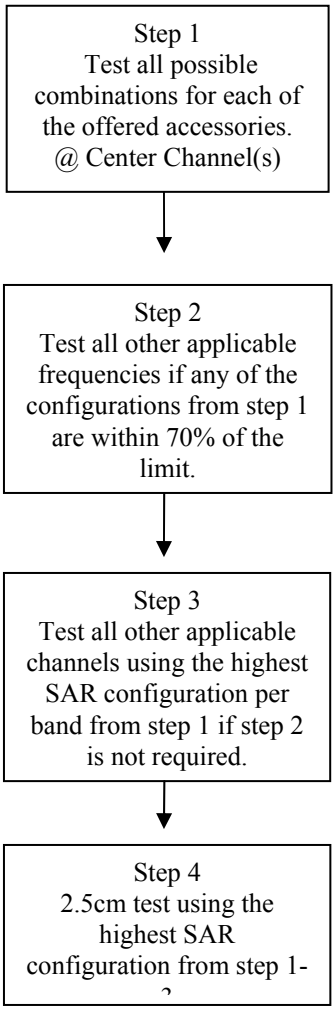
12.4 Test Plan

All modes of operation identified in section 6.0 were considered during the development of the test plan. All accessories listed in section 7.0 of this report were evaluated and only those identified for testing were used to develop the SAR test plan for this product. Tests were performed in each band at the center frequency(s) for all possible combinations of offered accessories. For the UHF band channels 2 and 4 were used for the center of the band. All other applicable frequencies were tested for any configurations that were within the 70% of the specification limit as recommended by the FCC. If the 70% threshold is not required then the highest SAR configurations from the center channel assessments were tested at all other applicable frequencies. ***Test results that are outside the relevant FCC frequency allocations are presented herein in blue font.**

12.4.1 General Test Flowchart

The following flowcharts identify the general approach to the test sequences for body and face positions.

DUT Body Test Methodology (General flowchart)



Flowchart Objectives Body

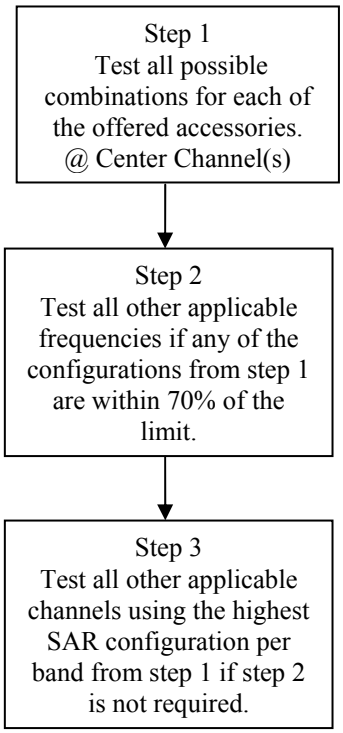
Step 1 - The objective is to determine the highest SAR configuration at the center channel(s) for all combinations of offered accessories at the body. See section 12.4 for a detailed test strategy.

Step 2 – The objective is to determine the highest SAR configurations for all possible combinations of offered accessories. See section 12.4 for a detailed test strategy

Step 3 - Determine the highest SAR performance across all applicable channels if the SAR results from Step 1 is below the recommended 70% threshold. See section 12.4 for a detailed test strategy.

Step 4 - Determine the highest SAR performance at 2.5cm separation distance to satisfy the safety manuals guidelines for non approved body worn accessories.

DUT Face Test Methodology
(General flowchart)



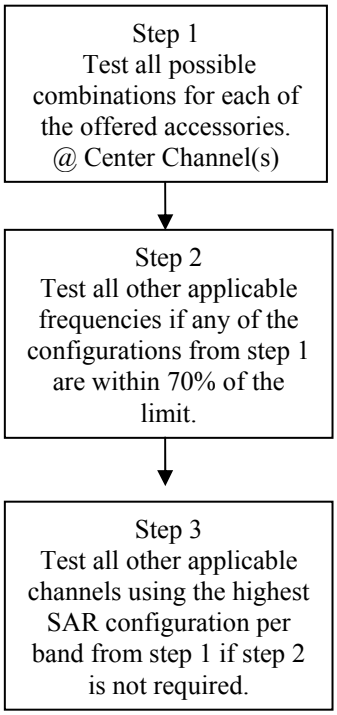
Flowchart
Objectives Face

Step 1 - The objective is to determine the highest SAR configuration at the center channel(s) for all combinations of offered accessories at the body. See section 12.4 for a detailed test strategy.

Step 2 – The objective is to determine the highest SAR configurations for all possible combinations of offered accessories. See section 12.4 for a detailed test strategy

Step 3 - Determine the highest SAR performance across all applicable channels if the SAR results from Step 2 is below the recommended 70% threshold. See section 12.4 for a detailed test strategy.

DUT PSM Body Test Methodology
(General flowchart)



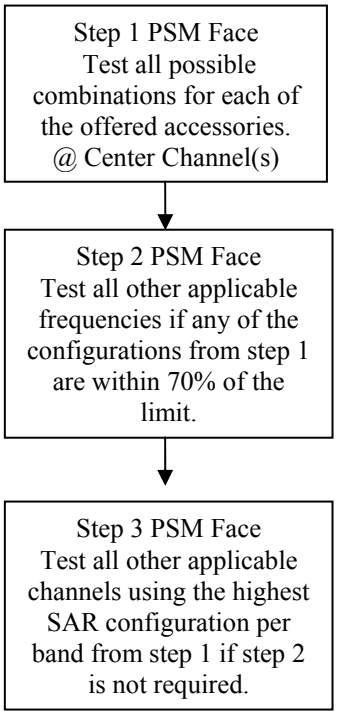
Flowchart
Objectives PSM Body

Step 1 - The objective is to determine the highest SAR configuration at the center channel(s) for all combinations of offered accessories at the body. See section 12.4 for a detailed test strategy.

Step 2 – The objective is to determine the highest SAR configurations for all possible combinations of offered accessories. See section 12.4 for a detailed test strategy

Step 3 - Determine the highest SAR performance across all applicable channels if the SAR results from Step 1 is below the recommended 70% threshold. See section 12.4 for a detailed test strategy.

DUT PSM Face Test Methodology
(General flowchart)



Flowchart
Objectives PSM Face

Step 1 - The objective is to determine the highest SAR configuration at the center channel(s) for all combinations of offered accessories at the body. See section 12.4 for a detailed test strategy.

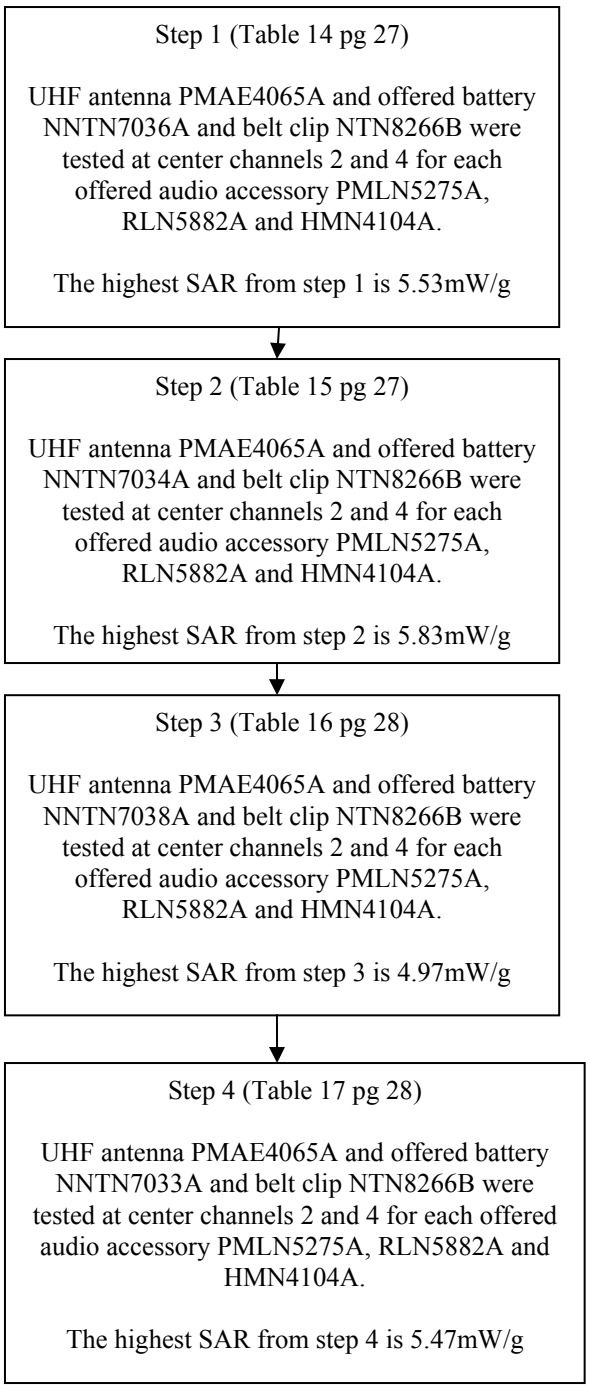
Step 2 – The objective is to determine the highest SAR configurations for all possible combinations of offered accessories. See section 12.4 for a detailed test strategy

Step 3 - Determine the highest SAR performance across all applicable channels if the SAR results from Step 1 is below the recommended 70% threshold. See section 12.4 for a detailed test strategy.

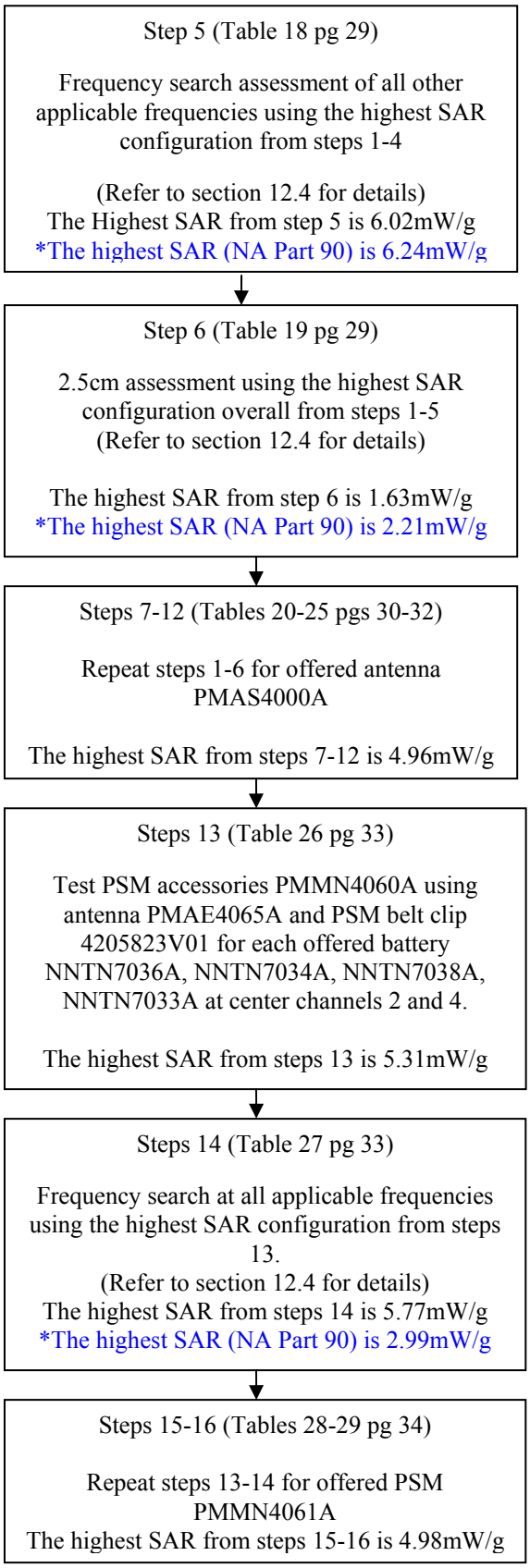
13.0 DUT Test Data

13.1 UHF (450-520MHz) Test Flowchart Summary

DUT Body Test Methodology

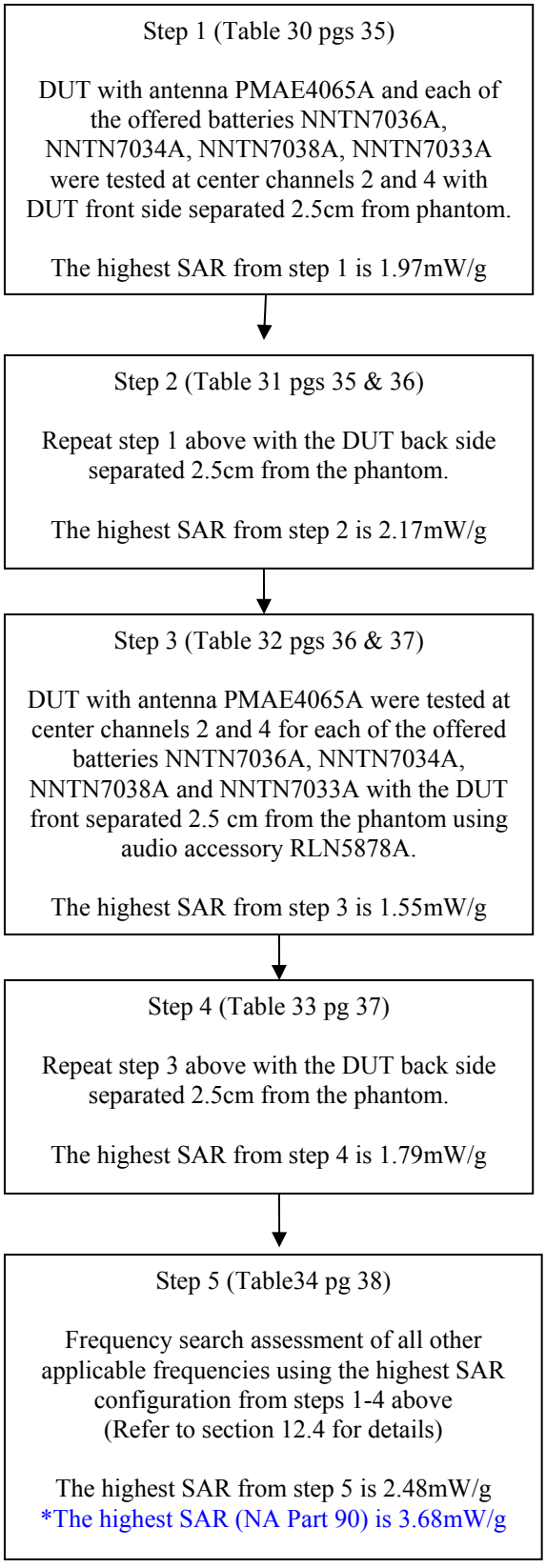


DUT Body Test Methodology (Continued)



The highest SAR results from the body tests above are: 6.02mW/g (FCC Part 90); *6.24mW/g (NA FCC Part 90)

DUT Face Test Methodology



DUT Face Test Methodology (Continued)

Step 6 (Table 35 pgs 38 & 39)

DUT with antenna PMAS4000A and each of the offered batteries NNTN7036A, NNTN7034A, NNTN7038A, NNTN7033A were tested at center channels 2 and 4 with DUT front side separated 2.5cm from phantom.

The highest SAR from step 6 is 1.85mW/g

↓

Step 7 (Table 36 pg 39)

Repeat step 6 above with the DUT back side separated 2.5cm from the phantom.

The highest SAR from step 7 is 2.06mW/g

↓

Step 8 (Table 37 pg 40)

DUT with antenna PMAS4000A were tested at center channels 2 and 4 for each of the offered batteries NNTN7036A, NNTN7034A, NNTN7038A and NNTN7033A with the DUT front separated 2.5 cm from the phantom using audio accessory RLN5878A.

The highest SAR from step 8 is 1.38mW/g

↓

Step 9 (Table 38 pgs 40 & 41)

Repeat step 8 above with the DUT back side separated 2.5cm from the phantom.

The highest SAR from step 9 is 1.47mW/g

↓

Step 10 (Table 39 pg 41)

Frequency search assessment of all other applicable frequencies using the highest SAR configuration from steps 6-9 above (Refer to section 12.4 for details)

The highest SAR from step 10 is 2.73mW/g;
*The highest SAR (NA Part 90) is 3.34mW/g

DUT Face Test Methodology (Continued)

Step 11 (Table 40 pg 42)

Test PSM accessory PMMN4061A using antenna PMAE4065A for each offered battery NNTN7036A, NNTN7034A, NNTN7038A, NNTN7033A

The highest SAR from steps 11 is 2.08mW/g

↓

Step 12 (Table 41 pgs 42 & 43)

Frequency search at all applicable frequencies using the highest SAR configuration from step 11 above.
(Refer to section 12.4 for details)

The highest SAR from steps 12 is 2.14mW/g
*The highest SAR (NA Part 90) is 2.12mW/g

↓

Step 13 (Table 42 pg 43)

Test PSM accessory PMMN4060A using antenna PMAE4065A and PSM belt clip 4205823V01 for each offered battery NNTN7036A, NNTN7034A, NNTN7038A, NNTN7033A

The highest SAR from steps 13 is 2.58mW/g

Step 14 (Table 43 pg 44)

Frequency search at all applicable frequencies using the highest SAR configuration from step 13.

(Refer to section 12.4 for details)
The highest SAR from steps 14 is 2.48mW/g
*The highest SAR (NA Part 90) is 2.21mW/g

The highest SAR from the face tests above is 2.73mW/g (Part 90); *3.68mW/g (NA for Part 90)

13.2 UHF (450-520MHz) Test Data

Assessments at the Body (50% duty cycle)

Test Flowchart pg 22 step 1; The DUT was tested with antenna PMAE4065A and offered battery NNTN7036A and belt clip NTN8266B at center channels 2 and 4 for each audio accessory PMLN5275A, RLN5882A and HMN4104A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 1.0 – UHF (450-520MHz) PMAE4065A antenna and NNTN7036A battery.

TABLE 14

UHF 450-520MHz band assessments at the body (CW) – Assessment of PMAE4065A antenna and NNTN7036A battery												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
MeC-Ab-100409-02/Q0BME02S	PMAE4065A	465.500	NNTN7036A (137mm)	Against phantom	NTN8266B belt clip	PMLN5275A	5.72	-0.621	9.58	5.41	5.53	3.12
MeC-Ab-100409-07/Q0BME02S	PMAE4065A	502.500	NNTN7036A (137mm)	Against phantom	NTN8266B belt clip	PMLN5275A	5.66	-0.307	9.52	5.53	5.11	2.97
MeC-Ab-100409-03/Q0BME02S	PMAE4065A	465.500	NNTN7036A (137mm)	Against phantom	NTN8266B belt clip	RLN5882A	5.69	-0.418	9.69	5.63	5.33	3.10
MeC-Ab-100409-06/Q0BME02S	PMAE4065A	502.500	NNTN7036A (137mm)	Against phantom	NTN8266B belt clip	RLN5882A	5.69	-0.238	9.43	5.35	4.98	2.83
MeC-Ab-100409-04/Q0BME02S	PMAE4065A	465.500	NNTN7036A (137mm)	Against phantom	NTN8266B belt clip	HMN4104A	5.70	-0.416	9.08	5.34	5.00	2.94
MeC-Ab-100409-05/Q0BME02S	PMAE4065A	502.500	NNTN7036A (137mm)	Against phantom	NTN8266B belt clip	HMN4104A	5.72	-0.203	8.94	5.11	4.68	2.68

Assessments at the Body (50% duty cycle)

Test Flowchart pg 22 step 2; The DUT was tested with antenna PMAE4065A and offered battery NNTN7034A and belt clip NTN8266B at center channels 2 and 4 for each audio accessory PMLN5275A, RLN5882A and HMN4104A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 2.0 – UHF (450-520MHz) PMAE4065A antenna and NNTN7034A battery.

TABLE 15

UHF 450-520MHz band assessments at the body (CW) – Assessment of PMAE4065A antenna and NNTN7034A battery												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Ab-100410-03/Q0BME02S	PMAE4065A	465.5000	NNTN7034A (130mm)	Against phantom	NTN8266B belt clip	PMLN5275A	5.77	-0.127	9.78	6.10	5.04	3.14
HvH-Ab-100410-06/Q0BME02S	PMAE4065A	502.5000	NNTN7034A (130mm)	Against phantom	NTN8266B belt clip	PMLN5275A	5.79	-0.296	10.90	6.47	5.83	3.46
HvH-Ab-100410-04/Q0BME02S	PMAE4065A	465.5000	NNTN7034A (130mm)	Against phantom	NTN8266B belt clip	RLN5882A	5.77	-0.139	9.43	6.02	4.87	3.11
HvH-Ab-100410-07/Q0BME02S	PMAE4065A	502.5000	NNTN7034A (130mm)	Against phantom	NTN8266B belt clip	RLN5882A	5.79	-0.248	9.98	5.88	5.28	3.11
HvH-Ab-100410-05/Q0BME02S	PMAE4065A	465.5000	NNTN7034A (130mm)	Against phantom	NTN8266B belt clip	HMN4104A	5.79	-0.105	9.71	6.14	4.97	3.15
HvH-Ab-100410-08/Q0BME02S	PMAE4065A	502.5000	NNTN7034A (130mm)	Against phantom	NTN8266B belt clip	HMN4104A	5.78	-0.214	10.60	6.26	5.57	3.29

Assessments at the Body (50% duty cycle)

Test Flowchart pg 22 step 3; The DUT was tested with antenna PMAE4065A and offered battery NNTN7038A and belt clip NTN8266B at center channels 2 and 4 for each audio accessory PMLN5275A, RLN5882A and HMN4104A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 3.0 – UHF (450-520MHz) PMAE4065A antenna and NNTN7038A battery.

TABLE 16

UHF 450-520MHz band assessments at the body (CW) – Assessment of PMAE4065A antenna and NNTN7038A battery												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Ab-100410-09/Q0BME02S	PMAE4065A	465.5000	NNTN7038A (85mm)	Against phantom	NTN8266B belt clip	PMLN5275A	5.79	-0.0956	9.12	6.09	4.66	3.11
HvH-Ab-100410-12/Q0BME02S	PMAE4065A	502.5000	NNTN7038A (85mm)	Against phantom	NTN8266B belt clip	PMLN5275A	5.80	-0.268	9.34	6.08	4.97	3.23
HvH-Ab-100410-10/Q0BME02S	PMAE4065A	465.5000	NNTN7038A (85mm)	Against phantom	NTN8266B belt clip	RLN5882A	5.79	-0.0338	9.05	6.01	4.56	3.03
HvH-Ab-100410-13/Q0BME02S	PMAE4065A	502.5000	NNTN7038A (85mm)	Against phantom	NTN8266B belt clip	RLN5882A	5.79	-0.188	8.78	5.72	4.58	2.99
HvH-Ab-100410-11/Q0BME02S	PMAE4065A	465.5000	NNTN7038A (85mm)	Against phantom	NTN8266B belt clip	HMN4104A	5.78	-0.0849	8.91	5.90	4.54	3.01
HvH-Ab-100410-14/Q0BME02S	PMAE4065A	502.5000	NNTN7038A (85mm)	Against phantom	NTN8266B belt clip	HMN4104A	5.79	-0.229	8.94	5.80	4.71	3.06

Assessments at the Body (50% duty cycle)

Test Flowchart pg 22 step 4; The DUT was tested with antenna PMAE4065A and offered battery NNTN7033A and belt clip NTN8266B at center channels 2 and 4 for each audio accessory PMLN5275A, RLN5882A and HMN4104A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 4.0 – UHF (450-520MHz) PMAE4065A antenna and NNTN7033A battery.

TABLE 17

UHF 450-520MHz band assessments at the body (CW) – Assessment of PMAE4065A antenna and NNTN7033A battery												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Ab-100410-15/Q0BME02S	PMAE4065A	465.5000	NNTN7033A (130mm)	Against phantom	NTN8266B belt clip	PMLN5275A	5.79	-0.275	9.41	6.05	5.01	3.22
MeC-Ab-100410-18/Q0BME02S	PMAE4065A	502.5000	NNTN7033A (130mm)	Against phantom	NTN8266B belt clip	PMLN5275A	5.75	-0.261	10.3	6.06	5.47	3.22
HvH-Ab-100410-16/Q0BME02S	PMAE4065A	465.5000	NNTN7033A (130mm)	Against phantom	NTN8266B belt clip	RLN5882A	5.78	-0.119	9.42	6.00	4.84	3.08
MeC-Ab-100410-19/Q0BME02S	PMAE4065A	502.5000	NNTN7033A (130mm)	Against phantom	NTN8266B belt clip	RLN5882A	5.76	-0.162	8.82	5.34	4.58	2.77
HvH-Ab-100410-17/Q0BME02S	PMAE4065A	465.5000	NNTN7033A (130mm)	Against phantom	NTN8266B belt clip	HMN4104A	5.77	-0.124	9.17	5.85	4.72	3.01
MeC-Ab-100410-20/Q0BME02S	PMAE4065A	502.5000	NNTN7033A (130mm)	Against phantom	NTN8266B belt clip	HMN4104A	5.71	-0.233	9.12	5.5	4.81	2.90

Assessments at the Body (50% duty cycle)

Test Flowchart pg 23 step 5; The DUT was tested at all other applicable frequencies using the highest SAR configuration from tables 14-17. Refer to section 12.4 for additional test consideration details. The highest SAR results from the table below (bolded) are included in APPENDIX F Section 5.0 – UHF (450-520MHz) PMAE4065A antenna frequency search.

TABLE 18

UHF 450-520MHz band assessments at the body (CW) – PMAE4065A antenna frequency search												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
MeC-Ab-100410-25/Q0BME02S	PMAE4065A	450.0000	NNTN7034A (130mm)	Against phantom	NTN8266B belt clip	PMLN5275A	5.77	-0.0898	10.20	6.69	5.21	3.41
MeC-Ab-100410-26/Q0BME02S	PMAE4065A	485.0000	NNTN7034A (130mm)	Against phantom	NTN8266B belt clip	PMLN5275A	5.72	-0.2560	10.20	6.22	5.41	3.30
MeC-Ab-100410-28/Q0BME02S	PMAE4065A	512.0000	NNTN7034A (130mm)	Against phantom	NTN8266B belt clip	PMLN5275A	5.74	-0.2380	11.40	6.51	6.02	3.44
MeC-Ab-100410-29/Q0BME02S	PMAE4065A	*520.0000	NNTN7034A (130mm)	Against phantom	NTN8266B belt clip	PMLN5275A	5.71	-0.1670	12.00	6.90	6.24	3.59

Assessments at the Body (50% duty cycle)

Test Flowchart pg 23 step 6; The DUT front and back sides were tested with 2.5cm separation distance from the phantom using the highest SAR configuration from tables 14-18. Refer to section 12.3.1 for 2.5cm test consideration details. The highest applicable SAR results from the table below (bolded) are provided in APPENDIX F Section 6.0 - UHF (450-520MHz) 2.5cm separation with PMAE4065A antenna.

TABLE 19

UHF 450-520MHz band assessments at the body (CW) - 2.5cm separation with PMAE4065A antenna												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
CM-Ab-100415-15/Q0BME02S	PMAE4065A	*520.0000	NNTN7034A (130mm)	Back - Radio @ 2.5cm	None	PMLN5275A	5.69	0.0461	4.42	3.28	2.21	1.64
CM-Ab-100415-16/Q0BME02S	PMAE4065A	*520.0000	NNTN7034A (130mm)	Front - Radio @ 2.5cm	None	PMLN5275A	5.69	0.273	3.75	2.82	1.88	1.41
CM-Ab-100511-10/Q0BME02S	PMAE4065A	512.0000	NNTN7034A (130mm)	Back - Radio @ 2.5cm	None	PMLN5275A	5.82	-0.146	3.16	2.35	1.63	1.22
CM-Ab-100511-12/Q0BME02S	PMAE4065A	512.0000	NNTN7034A (130mm)	Front - Radio @ 2.5cm	None	PMLN5275A	5.78	-0.0241	2.91	2.19	1.46	1.10

Assessments at the Body (50% duty cycle)

Test Flowchart pg 23 step 7; The DUT was tested with antenna PMAS4000A and offered battery NNTN7036A and belt clip NTN8266B at center channels 2 and 4 for each audio accessory PMLN5275A, RLN5882A and HMN4104A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 7.0 – UHF (450-520MHz) PMAS4000A antenna and NNTN7036A battery.

TABLE 20

UHF 450-520MHz band assessments at the body (CW) – Assessment of PMAS4000A antenna and NNTN7036A battery												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Ab-100411-02/Q0BME02S	PMAS4000A	465.500	NNTN7036A (137mm)	Against phantom	NTN8266B belt clip	PMLN5275A	5.69	-0.674	7.46	4.25	4.36	2.48
HvH-Ab-100411-14/Q0BME02S	PMAS4000A	502.500	NNTN7036A (137mm)	Against phantom	NTN8266B belt clip	PMLN5275A	5.72	-0.735	7.91	4.49	4.68	2.66
HvH-Ab-100411-03/Q0BME02S	PMAS4000A	465.500	NNTN7036A (137mm)	Against phantom	NTN8266B belt clip	RLN5882A	5.69	-0.853	7.27	4.19	4.42	2.55
HvH-Ab-100411-15/Q0BME02S	PMAS4000A	502.500	NNTN7036A (137mm)	Against phantom	NTN8266B belt clip	RLN5882A	5.70	-0.738	7.32	4.26	4.34	2.52
HvH-Ab-100411-04/Q0BME02S	PMAS4000A	465.500	NNTN7036A (137mm)	Against phantom	NTN8266B belt clip	HMN4104A	5.70	-0.826	7.13	4.07	4.31	2.46
HvH-Ab-100411-16/Q0BME02S	PMAS4000A	502.500	NNTN7036A (137mm)	Against phantom	NTN8266B belt clip	HMN4104A	5.71	-0.286	7.14	4.04	3.81	2.16

Assessments at the Body (50% duty cycle)

Test Flowchart pg 23 step 8; The DUT was tested with antenna PMAS4000A and offered battery NNTN7034A and belt clip NTN8266B at center channels 2 and 4 for each audio accessory PMLN5275A, RLN5882A and HMN4104A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 8.0 – UHF (450-520MHz) PMAS4000A antenna and NNTN7034A battery.

TABLE 21

UHF 450-520MHz band assessments at the body (CW) – Assessment of PMAS4000A antenna and NNTN7034A battery												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Ab-100411-05/Q0BME02S	PMAS4000A	465.5000	NNTN7034A (130mm)	Against phantom	NTN8266B belt clip	PMLN5275A	5.74	-0.268	7.30	4.65	3.88	2.47
JsT-Ab-100412-02/Q0BME02S	PMAS4000A	502.5000	NNTN7034A (130mm)	Against phantom	NTN8266B belt clip	PMLN5275A	5.81	-0.304	8.29	4.86	4.45	2.61
HvH-Ab-100411-06/Q0BME02S	PMAS4000A	465.5000	NNTN7034A (130mm)	Against phantom	NTN8266B belt clip	RLN5882A	5.74	-0.229	7.48	4.76	3.94	2.51
JsT-Ab-100412-03/Q0BME02S	PMAS4000A	502.5000	NNTN7034A (130mm)	Against phantom	NTN8266B belt clip	RLN5882A	5.82	-0.331	7.19	4.30	3.88	2.32
HvH-Ab-100411-07/Q0BME02S	PMAS4000A	465.5000	NNTN7034A (130mm)	Against phantom	NTN8266B belt clip	HMN4104A	5.73	-0.260	6.98	4.45	3.71	2.36
JsT-Ab-100412-04/Q0BME02S	PMAS4000A	502.5000	NNTN7034A (130mm)	Against phantom	NTN8266B belt clip	HMN4104A	5.82	-0.303	8.08	4.76	4.33	2.55

Assessments at the Body (50% duty cycle)

Test Flowchart pg 23 step 9; The DUT was tested with antenna PMAS4000A and offered battery NNTN7038A and belt clip NTN8266B at center channels 2 and 4 for each audio accessory PMLN5275A, RLN5882A and HMN4104A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 9.0 – UHF (450-520MHz) PMAS4000A antenna and NNTN7038A battery.

TABLE 22

UHF 450-520MHz band assessments at the body (CW) – Assessment of PMAS4000A antenna and NNTN7038A battery												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Ab-100411-08/Q0BME02S	PMAS4000A	465.5000	NNTN7038A (85mm)	Against phantom	NTN8266B belt clip	PMLN5275A	5.72	-0.212	6.57	4.37	3.45	2.29
JsT-Ab-100412-08/Q0BME02S	PMAS4000A	502.5000	NNTN7038A (85mm)	Against phantom	NTN8266B belt clip	PMLN5275A	5.81	-0.253	6.57	4.27	3.48	2.26
HvH-Ab-100411-09/Q0BME02S	PMAS4000A	465.5000	NNTN7038A (85mm)	Against phantom	NTN8266B belt clip	RLN5882A	5.69	-0.139	6.48	4.30	3.35	2.22
JsT-Ab-100412-09/Q0BME02S	PMAS4000A	502.5000	NNTN7038A (85mm)	Against phantom	NTN8266B belt clip	RLN5882A	5.82	-0.273	6.01	3.93	3.20	2.09
HvH-Ab-100411-10/Q0BME02S	PMAS4000A	465.5000	NNTN7038A (85mm)	Against phantom	NTN8266B belt clip	HMN4104A	5.71	-0.183	6.33	4.21	3.30	2.20
JsT-Ab-100412-10/Q0BME02S	PMAS4000A	502.5000	NNTN7038A (85mm)	Against phantom	NTN8266B belt clip	HMN4104A	5.81	-0.252	6.61	4.28	3.50	2.27

Assessments at the Body (50% duty cycle)

Test Flowchart pg 23 step 10; The DUT was tested with antenna PMAS4000A and offered battery NNTN7033A and belt clip NTN8266B at center channels 2 and 4 for each audio accessory PMLN5275A, RLN5882A and HMN4104A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 10.0 – UHF (450-520MHz) PMAS4000A antenna and NNTN7033A battery.

TABLE 23

UHF 450-520MHz band assessments at the body (CW) – Assessment of PMAS4000A antenna and NNTN7033A battery												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Ab-100411-11/Q0BME02S	PMAS4000A	465.5000	NNTN7033A (130mm)	Against phantom	NTN8266B belt clip	PMLN5275A	5.70	-0.373	6.85	4.38	3.73	2.39
JsT-Ab-100412-05/Q0BME02S	PMAS4000A	502.5000	NNTN7033A (130mm)	Against phantom	NTN8266B belt clip	PMLN5275A	5.80	-0.248	7.36	4.42	3.90	2.34
HvH-Ab-100411-12/Q0BME02S	PMAS4000A	465.5000	NNTN7033A (130mm)	Against phantom	NTN8266B belt clip	RLN5882A	5.68	-0.323	6.78	4.31	3.65	2.32
JsT-Ab-100412-06/Q0BME02S	PMAS4000A	502.5000	NNTN7033A (130mm)	Against phantom	NTN8266B belt clip	RLN5882A	5.80	-0.207	7.21	4.30	3.78	2.25
HvH-Ab-100411-13/Q0BME02S	PMAS4000A	465.5000	NNTN7033A (130mm)	Against phantom	NTN8266B belt clip	HMN4104A	5.69	-0.288	6.68	4.22	3.57	2.25
JsT-Ab-100412-07/Q0BME02S	PMAS4000A	502.5000	NNTN7033A (130mm)	Against phantom	NTN8266B belt clip	HMN4104A	5.81	-0.360	7.43	4.41	4.04	2.40

Assessments at the Body (50% duty cycle)

Test Flowchart pg 21 step 11; The DUT was tested at all other applicable frequencies using the highest SAR configuration from tables 20-23. Refer to section 12.4 for additional test consideration details. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 11.0 – UHF (450-520MHz) PMAS4000A antenna frequency search.

TABLE 24

UHF 450-520MHz band assessments at the body (CW) –PMAS4000A antenna frequency search												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
JsT-Ab-100412-11/Q0BME02S	PMAS4000A	450.0000	NNTN7036A (137mm)	Against phantom	NTN8266B belt clip	PMLN5275A	5.82	-0.451	8.94	5.30	4.96	2.94
CM-Ab-100412-12/Q0BME02S	PMAS4000A	485.0000	NNTN7036A (137mm)	Against phantom	NTN8266B belt clip	PMLN5275A	5.83	-0.618	7.31	4.23	4.21	2.44
CM-Ab-100412-13/Q0BME02S	PMAS4000A	512.0000	NNTN7036A (137mm)	Against phantom	NTN8266B belt clip	PMLN5275A	5.79	-0.179	7.95	4.46	4.14	2.32
CM-Ab-100412-14/Q0BME02S	PMAS4000A	*520.0000	NNTN7036A (137mm)	Against phantom	NTN8266B belt clip	PMLN5275A	5.77	0.0161	8.42	4.72	4.21	2.36

Assessments at the Body (50% duty cycle)

Test Flowchart pg 23 step 12; The DUT front and back sides were tested with 2.5cm separation distance from the phantom using the highest SAR configuration from tables 20-24. Refer to section 12.3.1 for 2.5cm test consideration details. The highest SAR result from the table below (bolded) is provided in APPENDIX F Section 12.0 - UHF (450-520MHz) 2.5cm separation with PMAS4000A antenna.

TABLE 25

UHF 450-520MHz band assessments at the body (CW) - 2.5cm separation with PMAS4000A antenna												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
CM-Ab-100415-18/Q0BME02S	PMAS4000A	450.0000	NNTN7036A (137mm)	Back - Radio @ 2.5cm	None	PMLN5275A	5.70	-0.565	2.50	1.89	1.42	1.08
CM-Ab-100415-19/Q0BME02S	PMAS4000A	450.0000	NNTN7036A (137mm)	Front - Radio @ 2.5cm	None	PMLN5275A	5.70	-0.472	2.01	1.53	1.12	0.85

Assessments at the Body (50% duty cycle)

Test Flowchart pg 23 step 13; Offered PSM PMMN4060A was tested using antenna PMAE4065A and belt clip 4205823V01 with each of the offered batteries NNTN7036A, NNTN7034A, NNTN7038A and NNTN7033A at center channels 2 and 4. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 13.0 – UHF (450-520MHz) PSM PMMN4060A with PMAE4065A antenna and offered batteries.

TABLE 26

UHF 450-520MHz band assessments at the body (CW) – Assessment of PSM PMMN4060A with PMAE4065A antenna and offered batteries												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
CM-Ab-100413-12/Q0BME02O	PMAE4065A	465.500	NNTN7036A (137mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4060A	5.55	-0.506	8.27	4.62	4.69	2.62
CM-Ab-100413-13/Q0BME02O	PMAE4065A	502.500	NNTN7036A (137mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4060A	5.57	-0.260	9.50	6.75	5.07	3.60
CM-Ab-100413-14/Q0BME02O	PMAE4065A	465.500	NNTN7034A (130mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4060A	5.60	-0.215	10.01	5.60	5.26	2.94
CM-Ab-100413-15/Q0BME02O	PMAE4065A	502.500	NNTN7034A (130mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4060A	5.61	-0.202	9.52	6.20	4.99	3.25
CM-Ab-100413-06/Q0BME02O	PMAE4065A	465.500	NNTN7038A (85mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4060A	5.61	-0.216	10.11	5.92	5.31	3.11
CM-Ab-100413-17/Q0BME02O	PMAE4065A	502.500	NNTN7038A (85mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4060A	5.60	-0.216	9.82	6.12	5.16	3.22
CM-Ab-100413-18/Q0BME02O	PMAE4065A	465.500	NNTN7033A (130mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4060A	5.60	-0.399	9.31	5.55	5.10	3.04
CM-Ab-100413-20/Q0BME02O	PMAE4065A	502.500	NNTN7033A (130mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4060A	5.60	-0.227	9.71	6.90	5.12	3.64

Assessments at the Body (50% duty cycle)

Test Flowchart pg 23 step 14; Offered PSM PMMN4060A was tested at all other applicable frequencies using the highest SAR configuration from table 26 above. Refer to section 12.4 for additional test consideration details. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 14.0 – UHF (450-520MHz) PSM PMMN4060A and PMAE4065A antenna frequency search.

TABLE 27

UHF 450-520MHz band assessments at the body (CW) – PSM PMMN4060A and PMAE4065A antenna frequency search												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
CM-Ab-100413-21/Q0BME02O	PMAE4065A	450.0000	NNTN7038A (85mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4060A	5.61	-0.367	7.54	4.27	4.10	2.32
CM-Ab-100414-09/Q0BME02O	PMAE4065A	485.0000	NNTN7038A (85mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4060A	5.67	-0.288	10.80	6.08	5.77	3.25
HvH-Ab-100414-03/Q0BME02O	PMAE4065A	512.0000	NNTN7038A (85mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4060A	5.64	-0.190	7.96	4.96	4.16	2.59
HvH-Ab-100414-06/Q0BME02O	PMAE4065A	*520.0000	NNTN7038A (85mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4060A	5.64	-0.172	5.75	4.07	2.99	2.12

Assessments at the Body (50% duty cycle)

Test Flowchart pg 23 step 15; Offered PSM PMMN4061A was tested using antenna PMAE4065A and belt clip 4205823V01 with each of the offered batteries NNTN7036A, NNTN7034A, NNTN7038A and NNTN7033A at center channels 2 and 4. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 15.0 – UHF (450-520MHz) PSM PMMN4061A with PMAE4065A antenna and offered batteries.

TABLE 28

UHF 450-520MHz band assessments at the body (CW) – Assessment of PSM PMMN4061A with PMAE4065A and offered batteries												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
CM-Ab-100414-14/Q0BME02O	PMAE4065A	465.500	NNTN7036A (137mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4061A	5.61	-0.167	7.46	4.76	3.88	2.47
CM-Ab-100414-19/Q0BME02O	PMAE4065A	502.500	NNTN7036A (137mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4061A	5.65	-0.229	8.52	5.44	4.49	2.87
CM-Ab-100414-17/Q0BME02O	PMAE4065A	465.500	NNTN7034A (130mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4061A	5.65	0.204	7.88	4.81	3.94	2.41
JsT-Ab-100415-02/Q0BME02O	PMAE4065A	502.500	NNTN7034A (130mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4061A	5.69	-0.199	8.70	5.54	4.55	2.90
HvH-Ab-100415-07/Q0BME02O	PMAE4065A	465.500	NNTN7038A (85mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4061A	5.67	-0.0759	7.50	4.74	3.82	2.41
HvH-Ab-100415-06/Q0BME02O	PMAE4065A	502.500	NNTN7038A (85mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4061A	5.69	-0.121	8.99	5.58	4.62	2.87
HvH-Ab-100506-02/Q0BME02O	PMAE4065A	465.500	NNTN7033A (130mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4061A	5.61	-0.119	7.60	4.78	3.91	2.46
HvH-Ab-100506-03/Q0BME02O	PMAE4065A	502.500	NNTN7033A (130mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4061A	5.62	-0.228	8.73	5.54	4.60	2.92

Assessments at the Body (50% duty cycle)

Test Flowchart pg 23 step 16; Offered PSM PMMN4061A was tested at all other applicable frequencies using the highest SAR configuration from table 28 above. Refer to section 12.4 for additional test consideration details. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 16.0 – UHF (450-520MHz) PSM PMMN4061A and PMAE4065A antenna frequency search.

TABLE 29

UHF 450-520MHz band assessments at the body (CW) – PSM PMMN4061A and PMAE4065A antenna frequency search												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
CM-Ab-100415-13/Q0BME02O	PMAE4065A	450.0000	NNTN7038A (85mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4061A	5.68	-0.158	9.61	5.91	4.98	3.06
HvH-Ab-100506-04/Q0BME02O	PMAE4065A	485.0000	NNTN7038A (85mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4061A	5.64	-0.471	6.98	4.49	3.89	2.50
HvH-Ab-100506-05/Q0BME02O	PMAE4065A	512.0000	NNTN7038A (85mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4061A	5.63	-0.541	8.64	5.49	4.89	3.11
HvH-Ab-100506-06/Q0BME02O	PMAE4065A	*520.0000	NNTN7038A (85mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4061A	5.61	-0.287	6.36	4.03	3.40	2.15

Assessments at the Face (50% duty cycle)

Test Flowchart pg 24 step 1; The DUT was tested with antenna PMAE4065A with each of the offered batteries NNTN7036A, NNTN7034A, NNTN7038A and NNTN7033A at center channels 2 and 4 with the DUT front side separated 2.5cm from the phantom. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 17.0 – UHF (450-520MHz) DUT front side with PMAE4065A antenna and offered batteries.

TABLE 30

UHF 450-520MHz band assessments at the face (CW) – DUT front side with PMAE4065A antenna and offered batteries												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
CM-Face-100415-20/Q0BME02S	PMAE4065A	465.500	NNTN7036A (137mm)	Front @ 2.5cm	None	None	5.73	-0.606	2.92	2.21	1.68	1.27
HvH-Face-100416-03/Q0BME02S	PMAE4065A	502.500	NNTN7036A (137mm)	Front @ 2.5cm	None	None	5.76	-0.252	3.72	2.78	1.97	1.47
JsT-Face-100417-02/Q0BME02S	PMAE4065A	465.500	NNTN7034A (130mm)	Front @ 2.5cm	None	None	5.80	-0.290	2.84	2.15	1.52	1.15
HvH-Face-100416-04/Q0BME02S	PMAE4065A	502.500	NNTN7034A (130mm)	Front @ 2.5cm	None	None	5.80	-0.233	3.20	2.40	1.69	1.27
JsT-Face-100417-03/Q0BME02S	PMAE4065A	465.500	NNTN7038A (85mm)	Front @ 2.5cm	None	None	5.79	-0.127	3.31	2.50	1.70	1.29
HvH-Face-100416-05/Q0BME02S	PMAE4065A	502.500	NNTN7038A (85mm)	Front @ 2.5cm	None	None	5.80	-0.196	3.04	2.28	1.59	1.19
JsT-Face-100417-04/Q0BME02S	PMAE4065A	465.500	NNTN7033A (130mm)	Front @ 2.5cm	None	None	5.79	-0.460	2.71	2.06	1.51	1.15
HvH-Face-100416-06/Q0BME02S	PMAE4065A	502.500	NNTN7033A (130mm)	Front @ 2.5cm	None	None	5.77	-0.187	3.09	2.32	1.61	1.21

Assessments at the Face (50% duty cycle)

Test Flowchart pg 24 step 2; The DUT was tested with antenna PMAE4065A with each of the offered batteries NNTN7036A, NNTN7034A, NNTN7038A and NNTN7033A at center channels 2 and 4 with the DUT back side separated 2.5cm from the phantom. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 18.0 – UHF (450-520MHz) DUT back side with PMAE4065A antenna and offered batteries.

TABLE 31

UHF 450-520MHz band assessments at the face (CW) – DUT back side with PMAE4065A and offered batteries												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
JsT-Face-100417-06/Q0BME02S	PMAE4065A	465.5000	NNTN7036A (137mm)	Back @ 2.5cm	None	None	5.79	-0.336	3.40	2.55	1.84	1.38
HvH-Face-100416-07/Q0BME02S	PMAE4065A	502.5000	NNTN7036A (137mm)	Back @ 2.5cm	None	None	5.79	-0.344	4.01	2.97	2.17	1.61

TABLE 31 (Continued)

UHF 450-520MHz band assessments at the face (CW) – DUT back side with PMAE4065A and offered batteries												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
JsT-Face-100417-07/Q0BME02S	PMAE4065A	465.5000	NNTN7034A (130mm)	Back @ 2.5cm	None	None	5.81	-0.279	3.98	2.97	2.12	1.58
HvH-Face-100416-08/Q0BME02S	PMAE4065A	502.5000	NNTN7034A (130mm)	Back @ 2.5cm	None	None	5.79	-0.247	4.08	3.01	2.16	1.59
JsT-Face-100417-08/Q0BME02S	PMAE4065A	465.5000	NNTN7038A (85mm)	Back @ 2.5cm	None	None	5.82	-0.147	3.84	2.88	1.99	1.49
HvH-Face-100416-09/Q0BME02S	PMAE4065A	502.5000	NNTN7038A (85mm)	Back @ 2.5cm	None	None	5.80	-0.285	3.57	2.65	1.91	1.41
JsT-Face-100417-09/Q0BME02S	PMAE4065A	465.5000	NNTN7033A (130mm)	Back @ 2.5cm	None	None	5.80	-0.436	3.74	2.79	2.07	1.54
HvH-Face-100416-10/Q0BME02S	PMAE4065A	502.5000	NNTN7033A (130mm)	Back @ 2.5cm	None	None	5.78	-0.272	3.85	2.85	2.05	1.52

Assessments at the Face (50% duty cycle)

Test Flowchart pg 24 step 3; The DUT was tested with antenna PMAE4065A at the center channels 2 and 4 using the highest SAR configuration from tables 30-31 with the DUT front side separated 2.5cm from the phantom using audio accessory RLN5878A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 19.0 – UHF (450-520MHz) DUT front side with PMAE4065A antenna and RLN5878A audio accessory.

TABLE 32

UHF 450-520MHz band assessments at the face (CW) – DUT front side with PMAE4065A antenna and RLN5878A audio accessory.												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
JsT-Face-100417-10/Q0BME02S	PMAE4065A	465.5000	NNTN7036A (137mm)	Front @ 2.5cm	None	RLN5878A	5.80	-0.682	2.58	1.95	1.51	1.14
CM-Face-100416-11/Q0BME02S	PMAE4065A	502.5000	NNTN7036A (137mm)	Front @ 2.5cm	None	RLN5878A	5.78	-0.240	2.81	2.11	1.48	1.11
JsT-Face-100417-11/Q0BME02S	PMAE4065A	465.5000	NNTN7034A (130mm)	Front @ 2.5cm	None	RLN5878A	5.82	-0.0861	2.67	2.02	1.36	1.03
CM-Face-100416-12/Q0BME02S	PMAE4065A	502.5000	NNTN7034A (130mm)	Front @ 2.5cm	None	RLN5878A	5.79	-0.205	2.95	2.22	1.55	1.16

TABLE 32 (Continued)

UHF 450-520MHz band assessments at the face (CW) – DUT front side with audio accessory RLN5878A												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
JsT-Face-100417-12/Q0BME02S	PMAE4065A	465.5000	NNTN7038A (85mm)	Front @ 2.5cm	None	RLN5878A	5.82	0.0218	3.04	2.29	1.52	1.15
CM-Face-100416-13/Q0BME02S	PMAE4065A	502.5000	NNTN7038A (85mm)	Front @ 2.5cm	None	RLN5878A	5.81	-0.236	2.72	2.03	1.44	1.07
CM-Face-100417-13/Q0BME02S	PMAE4065A	465.5000	NNTN7033A (130mm)	Front @ 2.5cm	None	RLN5878A	5.76	-0.173	2.41	1.83	1.25	0.95
CM-Face-100416-14/Q0BME02S	PMAE4065A	502.5000	NNTN7033A (130mm)	Front @ 2.5cm	None	RLN5878A	5.77	-0.222	2.31	1.73	1.22	0.91

Assessments at the Face (50% duty cycle)

Test Flowchart pg 22 step 4; The DUT was tested with antenna PMAE4065A at the center channels 2 and 4 with the DUT back side separated 2.5cm from the phantom using audio accessory RLN5878A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 20.0 – UHF (450-520MHz) DUT back side with PMAE4065A antenna and RLN5878A audio accessory.

TABLE 33

UHF 450-520MHz band assessments at the face (CW) – DUT back side with PMAE4065A antenna and RLN5878A audio accessory												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
CM-Face-100417-14/Q0BME02S	PMAE4065A	465.5000	NNTN7036A (137mm)	Back @ 2.5cm	None,	RLN5878A	5.82	-0.697	2.15	1.60	1.26	0.94
CM-Face-100416-16/Q0BME02S	PMAE4065A	502.5000	NNTN7036A (137mm)	Back @ 2.5cm	None	RLN5878A	5.80	-0.325	3.33	2.46	1.79	1.33
CM-Face-100417-15/Q0BME02S	PMAE4065A	465.5000	NNTN7034A (130mm)	Back @ 2.5cm	None	RLN5878A	5.87	-0.128	3.36	2.50	1.73	1.29
CM-Face-100416-17/Q0BME02S	PMAE4065A	502.5000	NNTN7034A (130mm)	Back @ 2.5cm	None	RLN5878A	5.78	-0.189	3.06	2.26	1.60	1.18
CM-Face-100417-16/Q0BME02S	PMAE4065A	465.5000	NNTN7038A (85mm)	Back @ 2.5cm	None	RLN5878A	5.84	-0.0879	3.28	2.44	1.67	1.24
CM-Face-100417-18/Q0BME02S	PMAE4065A	502.5000	NNTN7038A (85mm)	Back @ 2.5cm	None	RLN5878A	5.80	-0.311	3.10	2.29	1.67	1.23
CM-Face-100417-17/Q0BME02S	PMAE4065A	465.5000	NNTN7033A (130mm)	Back @ 2.5cm	None	RLN5878A	5.82	-0.163	3.15	2.34	1.64	1.21
CM-Face-100417-19/Q0BME02S	PMAE4065A	502.5000	NNTN7033A (130mm)	Back @ 2.5cm	None	RLN5878A	5.79	-0.352	3.22	2.38	1.75	1.29

Assessments at the Face (50% duty cycle)

Test Flowchart pg 24 step 5; The DUT was tested with antenna PMAE4065A at all applicable frequencies using the highest SAR configuration from tables 30-33 above. Refer to section 12.4 for additional test consideration details. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 21.0 – UHF (450-520MHz) PMAE4065A antenna frequency search.

TABLE 34

UHF 450-520MHz band assessments at the face (CW) – PMAE4065 antenna frequencies search												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
CM-Face-100417-20/Q0BME02S	PMAE4065A	450.000	NNTN7036A (137mm)	Back @ 2.5cm	None	None	5.79	-0.715	3.61	2.72	2.13	1.60
CM-Face-100417-21/Q0BME02S	PMAE4065A	485.000	NNTN7036A (137mm)	Back @ 2.5cm	None	None	5.77	-0.747	3.53	2.63	2.10	1.56
CM-Face-100417-22/Q0BME02S	PMAE4065A	512.000	NNTN7036A (137mm)	Back @ 2.5cm	None	None	5.80	-0.123	4.82	3.57	2.48	1.84
JsT-Face-100418-02/Q0BME02S (Shortened scan)	PMAE4065A	*520.000	NNTN7036A (137mm)	Back @ 2.5cm	None	None	5.76	-0.768	6.16	4.57	3.68	2.73

Assessments at the Face (50% duty cycle)

Test Flowchart pg 25 step 6; The DUT was tested with antenna PMAS4000A with each of the offered batteries NNTN7036A, NNTN7034A, NNTN7038A and NNTN7033A at center channels 2 and 4 with the DUT front side separated 2.5cm from the phantom. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 22.0 – UHF (450-520MHz) DUT front side with PMAS4000A antenna and offered batteries.

TABLE 35

UHF 450-520MHz band assessments at the face (CW) – DUT front side with PMAS4000A antenna and offered batteries												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
JsT-Face-100418-04/Q0BME02S	PMAS4000A	465.5000	NNTN7036A (137mm)	Front @ 2.5cm	None	None	5.79	-0.392	2.42	1.83	1.32	1.00
CM-Face-100418-20/Q0BME02S	PMAS4000A	502.5000	NNTN7036A (137mm)	Front @ 2.5cm	None	None	5.79	-0.230	3.50	2.62	1.85	1.38
JsT-Face-100418-05/Q0BME02S	PMAS4000A	465.5000	NNTN7034A (130mm)	Front @ 2.5cm	None	None	5.84	-0.406	2.22	1.69	1.22	0.928
CM-Face-100418-21/Q0BME02S	PMAS4000A	502.5000	NNTN7034A (130mm)	Front @ 2.5cm	None	None	5.81	-0.0795	2.83	2.13	1.44	1.08
JsT-Face-100418-06/Q0BME02S	PMAS4000A	465.5000	NNTN7038A (85mm)	Front @ 2.5cm	None	None	5.85	-0.374	2.42	1.82	1.32	0.992
CM-Face-100418-22/Q0BME02S	PMAS4000A	502.5000	NNTN7038A (85mm)	Front @ 2.5cm	None	None	5.80	-0.233	2.44	1.83	1.29	0.965

TABLE 35 (Continued)

UHF 450-520MHz band assessments at the face (CW) – DUT front side with PMAS4000A and offered batteries												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
JsT-Face-100418-07/Q0BME02S	PMAS4000A	465.5000	NNTN7033A (130mm)	Front @ 2.5cm	None	None	5.84	-0.669	1.99	1.52	1.16	0.887
JsT-Face-100419-02/Q0BME02S	PMAS4000A	502.5000	NNTN7033A (130mm)	Front @ 2.5cm	None	None	5.81	-0.185	2.78	2.10	1.45	1.10

Assessments at the Face (50% duty cycle)

Test Flowchart pg 25 step 7; The DUT was tested with antenna PMAS4000A with each of the offered batteries NNTN7036A, NNTN7034A, NNTN7038A and NNTN7033A at center channels 2 and 4 with the DUT back side separated 2.5cm from the phantom. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 23.0 – UHF (450-520MHz) DUT back side with PMAS4000A antenna and offered batteries.

TABLE 36

UHF 450-520MHz band assessments at the face (CW) – DUT back side with PMAS4000A antenna and offered batteries												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
JsT-Face-100418-08/Q0BME02S	PMAS4000A	465.5000	NNTN7036A (137mm)	Back @ 2.5cm	None	None	5.83	-0.833	2.59	1.93	1.57	1.17
JsT-Face-100419-03/Q0BME02S	PMAS4000A	502.5000	NNTN7036A (137mm)	Back @ 2.5cm	None	None	5.81	-0.192	3.94	2.93	2.06	1.53
JsT-Face-100418-09/Q0BME02S	PMAS4000A	465.5000	NNTN7034A (130mm)	Back @ 2.5cm	None	None	5.87	-0.494	3.06	2.28	1.71	1.28
HvH-Face-100419-04/Q0BME02S	PMAS4000A	502.5000	NNTN7034A (130mm)	Back @ 2.5cm	None	None	5.82	-0.189	3.62	2.69	1.89	1.40
JsT-Face-100418-10/Q0BME02S	PMAS4000A	465.5000	NNTN7038A (85mm)	Back @ 2.5cm	None	None	5.87	-0.430	2.86	2.13	1.58	1.18
HvH-Face-100419-05/Q0BME02S	PMAS4000A	502.5000	NNTN7038A (85mm)	Back @ 2.5cm	None	None	5.79	-0.215	2.83	2.10	1.49	1.10
JsT-Face-100418-11/Q0BME02S	PMAS4000A	465.5000	NNTN7033A (130mm)	Back @ 2.5cm	None	None	5.86	-0.712	2.68	2.00	1.58	1.18
HvH-Face-100419-06/Q0BME02S	PMAS4000A	502.5000	NNTN7033A (130mm)	Back @ 2.5cm	None	None	5.78	-0.273	3.35	2.49	1.78	1.33

Assessments at the Face (50% duty cycle)

Test Flowchart pg 25 step 8; The DUT was tested with antenna PMAS4000A at the center channels 2 and 4 for each of the offered batteries NNTN7036A, NNTN7034A, NNT7038A and NNTN7033A with the DUT front side separated 2.5cm from the phantom using audio accessory RLN5878A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 24.0 – UHF (450-520MHz) DUT front side with PMAS4000A antenna and RLN5878A audio accessory.

TABLE 37

UHF 450-520MHz band assessments at the face (CW) – DUT front side with PMAE4000A antenna and offered audio accessory												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
JsT-Face-100418-12/Q0BME02S	PMAS4000A	465.5000	NNTN7036A (137mm)	Front @ 2.5cm	None	RLN5878A	5.85	-0.617	2.05	1.55	1.18	0.893
HvH-Face-100419-07/Q0BME02S	PMAS4000A	502.5000	NNTN7036A (137mm)	Front @ 2.5cm	None	RLN5878A	5.83	-0.225	2.63	1.98	1.38	1.04
JsT-Face-100418-13/Q0BME02S	PMAS4000A	465.5000	NNTN7034A (130mm)	Front @ 2.5cm	None	RLN5878A	5.86	-0.293	2.02	1.53	1.08	0.818
HvH-Face-100419-08/Q0BME02S	PMAS4000A	502.5000	NNTN7034A (130mm)	Front @ 2.5cm	None	RLN5878A	5.85	-0.0976	2.48	1.88	1.27	0.96
CM-Face-100418-14/Q0BME02S	PMAS4000A	465.5000	NNTN7038A (85mm)	Front @ 2.5cm	None	RLN5878A	5.81	-0.147	1.91	1.43	0.988	0.740
HvH-Face-100419-09/Q0BME02S	PMAS4000A	502.5000	NNTN7038A (85mm)	Front @ 2.5cm	None	RLN5878A	5.84	-0.212	1.91	1.43	1.003	0.751
CM-Face-100418-15/Q0BME02S	PMAS4000A	465.5000	NNTN7033A (130mm)	Front @ 2.5cm	None	RLN5878A	5.84	-0.531	1.88	1.43	1.06	0.808
HvH-Face-100419-10/Q0BME02S	PMAS4000A	502.5000	NNTN7033A (130mm)	Front @ 2.5cm	None	RLN5878A	5.81	-0.119	2.21	1.68	1.14	0.863

Assessments at the Face (50% duty cycle)

Test Flowchart pg 25 step 9; The DUT was tested with antenna PMAS4000A at the center channels 2 and 4 for each of the offered batteries NNTN7036A, NNTN7034A, NNT7038A and NNTN7033A with the DUT back side separated 2.5cm from the phantom using audio accessory RLN5878A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 25.0 – UHF (450-520MHz) DUT back side with PMAS4000A antenna and RLN5878A audio accessory.

TABLE 38

UHF 450-520MHz band assessments at the face (CW) – DUT back side with PMAS4000A antenna and offered audio accessories												
Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery Run**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
CM-Face-100418-16/Q0BME02S	PMAS4000A	465.5000	NNTN7036A (137mm)	Back @ 2.5cm	None	RLN5878A	5.85	-0.906	2.18	1.62	1.34	0.998
HvH-Face-100419-11/Q0BME02S	PMAS4000A	502.5000	NNTN7036A (137mm)	Back @ 2.5cm	None	RLN5878A	5.77	-0.215	2.71	2.02	1.42	1.061

TABLE 38 (Continued)

UHF 450-520MHz band assessments at the face (CW) – DUT back side with offered audio accessories												
Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery Run**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
CM-Face-100418-17/Q0BME02S	PMAS4000A	465.5000	NNTN7034A (130mm)	Back @ 2.5cm	None	RLN5878A	5.82	-0.294	2.57	1.91	1.38	1.02
HvH-Face-100419-12/Q0BME02S	PMAS4000A	502.5000	NNTN7034A (130mm)	Back @ 2.5cm	None	RLN5878A	5.82	-0.193	2.81	2.08	1.47	1.09
CM-Face-100418-18/Q0BME02S	PMAS4000A	465.5000	NNTN7038A (85mm)	Back @ 2.5cm	None	RLN5878A	5.80	-0.276	2.42	1.80	1.29	0.959
CM-Face-100419-13/Q0BME02S	PMAS4000A	502.5000	NNTN7038A (85mm)	Back @ 2.5cm	None	RLN5878A	5.80	-0.239	2.14	1.58	1.13	0.835
CM-Face-100418-19/Q0BME02S	PMAS4000A	465.5000	NNTN7033A (130mm)	Back @ 2.5cm	None	RLN5878A	5.83	-0.455	2.32	1.73	1.29	0.961
CM-Face-100419-14/Q0BME02S	PMAS4000A	502.5000	NNTN7033A (130mm)	Back @ 2.5cm	None	RLN5878A	5.82	-0.300	2.57	1.91	1.38	1.023

Assessments at the Face (50% duty cycle)

Test Flowchart pg 25 step 10; The DUT was tested with antenna PMAS4000A at all other applicable frequencies using the highest SAR configuration from tables 35-38 with the DUT back side separated 2.5cm from the phantom. Refer to section 12.4 for additional test consideration details. The highest FCC Part 90 SAR result from the table below (bolded) is included in APPENDIX F Section 26.0 – UHF (450-520MHz) PMAS4000A antenna frequency search.

TABLE 39

UHF 450-520MHz band assessments at the face (CW) – PMAS4000A antenna frequency search												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
CM-Face-100419-15/Q0BME02S	PMAS4000A	450.0000	NNTN7036A (137mm)	Back @ 2.5cm	None	None	5.78	-0.635	3.21	2.42	1.86	1.40
CM-Face-100419-16/Q0BME02S	PMAS4000A	485.0000	NNTN7036A (137mm)	Back @ 2.5cm	None	None	5.84	-0.539	3.05	2.27	1.73	1.28
CM-Face-100419-17/Q0BME02S	PMAS4000A	512.0000	NNTN7036A (137mm)	Back @ 2.5cm	None	None	5.76	-0.283	5.12	3.79	2.73	2.02
CM-Face-100419-18/Q0BME02S	PMAS4000A	*520.0000	NNTN7036A (137mm)	Back @ 2.5cm	None	None	5.76	-1.150	5.12	3.80	3.34	2.48

Assessments at the Face (50% duty cycle)

Test Flowchart pg 26 steps 11; Offered PSM PMMN4061A was tested using antenna PMAE4065A with each of the offered batteries NNTN7036A, NNTN7034A, NNTN7038A and NNTN7033A at center channels 2 and 4. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 27.0 – UHF (450-520MHz) PSM PMMN4061A with PMAE4065A antenna and offered batteries.

TABLE 40

UHF 450-520MHz band assessments at the face (CW) – PSM PMMN4061A with PMAE4065A antenna and offered batteries												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
CM-Face-100419-19/Q0BME02O	PMAE4065A	465.5000	NNTN7036A (137mm)	Front @ 2.5cm	None	PMMN4061A	5.60	-0.455	3.67	2.70	2.04	1.50
HvH-Face-100420-06/Q0BME02O	PMAE4065A	502.5000	NNTN7036A (137mm)	Front @ 2.5cm	None	PMMN4061A	5.66	-0.266	3.82	2.79	2.03	1.48
HvH-Face-100420-02/Q0BME02O	PMAE4065A	465.5000	NNTN7034A (130mm)	Front @ 2.5cm	None	PMMN4061A	5.61	-0.206	3.36	2.45	1.76	1.28
HvH-Face-100420-07/Q0BME02O	PMAE4065A	502.5000	NNTN7034A (130mm)	Front @ 2.5cm	None	PMMN4061A	5.66	-0.231	3.95	2.89	2.08	1.52
HvH-Face-100420-03/Q0BME02O	PMAE4065A	465.5000	NNTN7038A (85mm)	Front @ 2.5cm	None	PMMN4061A	5.64	-0.147	3.85	2.82	1.99	1.46
HvH-Face-100420-08/Q0BME02O	PMAE4065A	502.5000	NNTN7038A (85mm)	Front @ 2.5cm	None	PMMN4061A	5.65	-0.200	3.97	2.90	2.08	1.52
HvH-Face-100420-04/Q0BME02O	PMAE4065A	465.5000	NNTN7033A (130mm)	Front @ 2.5cm	None	PMMN4061A	5.63	-0.150	3.72	2.71	1.93	1.40
HvH-Face-100420-09/Q0BME02O	PMAE4065A	502.5000	NNTN7033A (130mm)	Front @ 2.5cm	None	PMMN4061A	5.65	-0.204	3.91	2.86	2.05	1.50

Assessments at the Face (50% duty cycle)

Test Flowchart pg 26 steps 12; Offered PSM PMMN4061A was tested at all other applicable frequencies using the highest SAR configuration from table 40 above. Refer to section 12.4 for additional test consideration details. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 28.0 – UHF (450-520MHz) PSM PMMN4061A antenna frequency search.

TABLE 41

UHF 450-520MHz band assessments at the face (CW) – PSM PMMN4061A and offered batteries												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Face-100420-10/Q0BME02O	PMAE4065A	450.0000	NNTN7034A (130mm)	Front @ 2.5cm	None	PMMN4061A	5.67	-0.178	3.53	2.58	1.84	1.34
HvH-Face-100420-11/Q0BME02O	PMAE4065A	485.0000	NNTN7034A (130mm)	Front @ 2.5cm	None	PMMN4061A	5.69	-0.244	3.26	2.37	1.72	1.25

TABLE 41 (Continued

UHF 450-520MHz band assessments at the face (CW) – PSM PMMN4061A and offered batteries												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Face-100420-12/Q0BME02O	PMAE4065A	512.0000	NNTN7034A (130mm)	Front @ 2.5cm	None	PMMN4061A	5.68	-0.319	3.98	2.91	2.14	1.57
HvH-Face-100420-13/Q0BME02O	PMAE4065A	*520.0000	NNTN7034A (130mm)	Front @ 2.5cm	None	PMMN4061A	5.67	-0.294	3.96	2.88	2.12	1.54

Assessments at the Face (50% duty cycle)

Test Flowchart pg 26 steps 13; Offered PSM PMMN4060A was tested using antenna PMAE4065A with each of the offered batteries NNTN7036A, NNTN7034A, NNTN7038A and NNTN7033A at center channels 2 and 4. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 29.0 – UHF (450-520MHz) PSM PMMN4060A with PMAE4065A antenna and offered batteries.

TABLE 42

UHF 450-520MHz band assessments at the face (CW) – PSM PMMN4060A with PMAE4065A antenna and offered batteries												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
CM-Face-100420-14/Q0BME02O	PMAE4065A	465.5000	NNTN7036A (137mm)	Front @ 2.5cm	None	PMMN4060A	5.67	-0.223	2.96	2.16	1.56	1.14
CM-Face-100420-18/Q0BME02O	PMAE4065A	502.5000	NNTN7036A (137mm)	Front @ 2.5cm	None	PMMN4060A	5.69	-0.178	4.34	3.17	2.26	1.65
CM-Face-100420-15/Q0BME02O	PMAE4065A	465.5000	NNTN7034A (130mm)	Front @ 2.5cm	None	PMMN4060A	5.68	-0.138	2.57	1.88	1.33	0.97
CM-Face-100420-19/Q0BME02O	PMAE4065A	502.5000	NNTN7034A (130mm)	Front @ 2.5cm	None	PMMN4060A	5.70	-0.138	4.66	3.42	2.41	1.77
CM-Face-100420-16/Q0BME02O	PMAE4065A	465.5000	NNTN7038A (85mm)	Front @ 2.5cm	None	PMMN4060A	5.68	-0.129	2.51	1.83	1.29	0.94
CM-Face-100420-20/Q0BME02O	PMAE4065A	502.5000	NNTN7038A (85mm)	Front @ 2.5cm	None	PMMN4060A	5.70	-0.0854	5.06	3.70	2.58	1.89
CM-Face-100420-17/Q0BME02O	PMAE4065A	465.5000	NNTN7033A (130mm)	Front @ 2.5cm	None	PMMN4060A	5.67	-0.187	2.42	1.76	1.26	0.92
CM-Face-100420-21/Q0BME02O	PMAE4065A	502.5000	NNTN7033A (130mm)	Front @ 2.5cm	None	PMMN4060A	5.64	-0.205	4.28	3.14	2.24	1.65

Assessments at the Face (50% duty cycle)

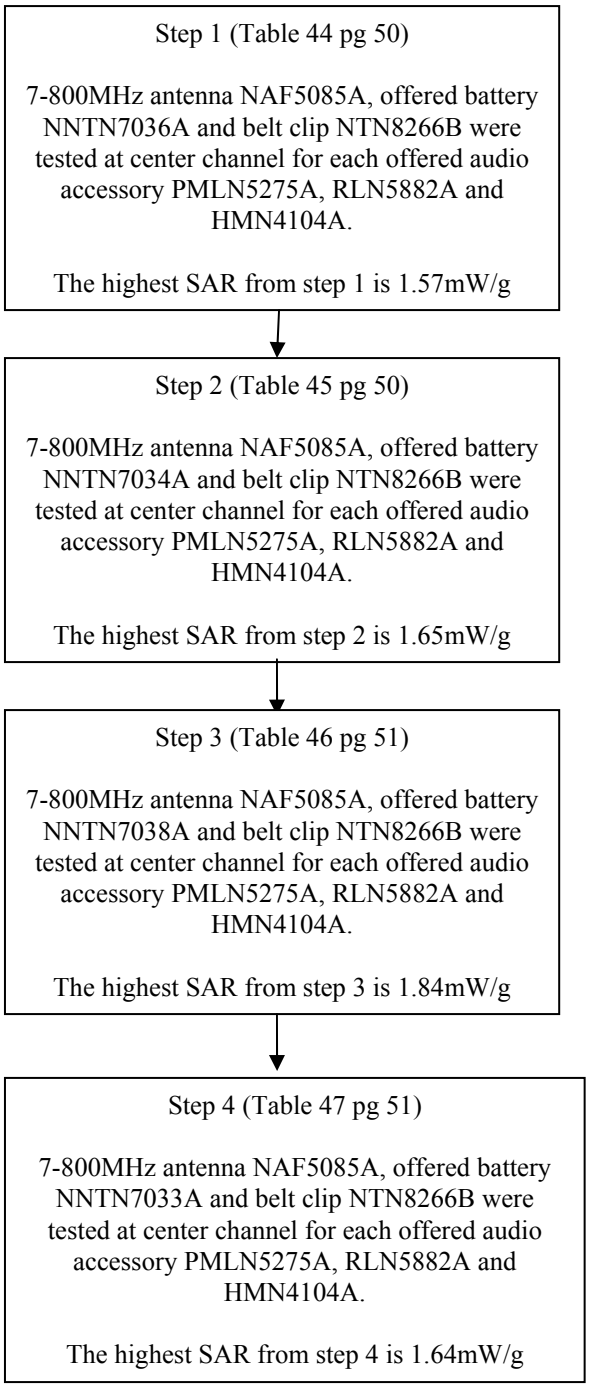
Test Flowchart pg 26 steps 14; Offered PSM PMMN4060A was tested at all other applicable frequencies using the highest SAR configuration from table 42 above. Refer to section 12.4 for additional test consideration details. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 30.0 – UHF (450-520MHz) PSM PMMN4060A antenna frequency search.

TABLE 43

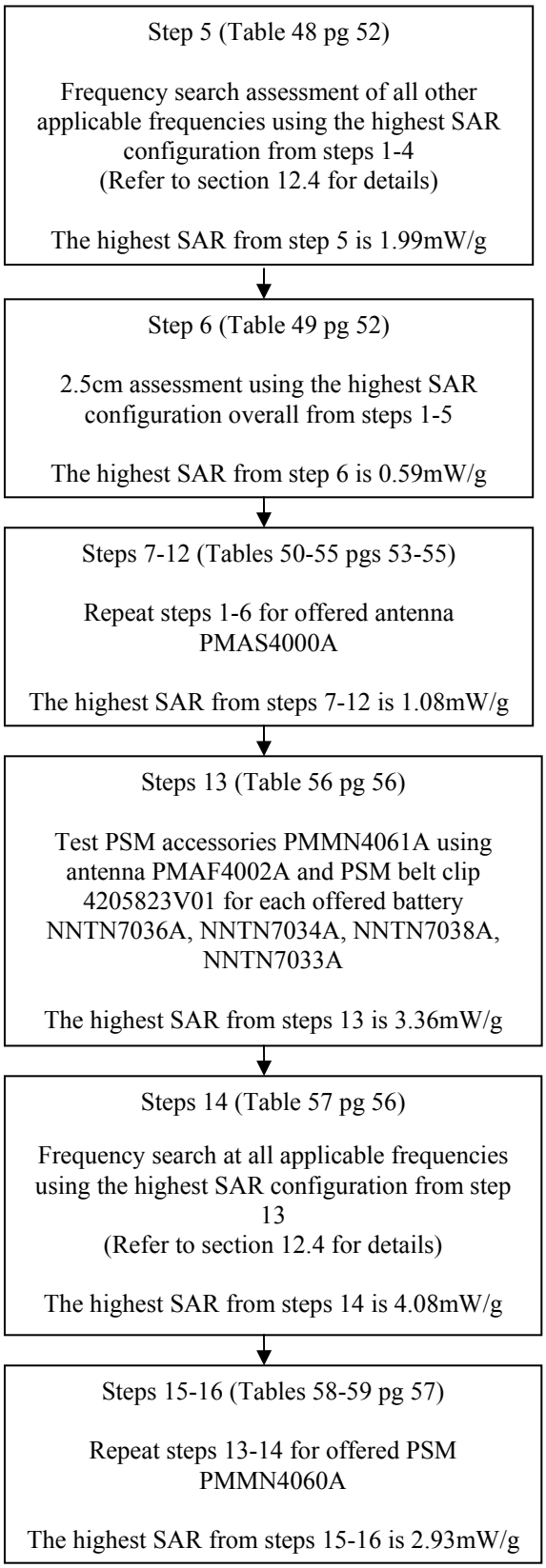
UHF 450-520MHz band assessments at the face (CW) – PSM PMMN4060A Frequency search												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
CM-Face-100420-22/Q0BME02O	PMAE4065A	450.0000	NNTN7038A (85mm)	Front @ 2.5cm	None	PMMN4060A	5.70	-1.04	1.47	1.07	0.93	0.68
CM-Face-100420-23/Q0BME02O	PMAE4065A	485.0000	NNTN7038A (85mm)	Front @ 2.5cm	None	PMMN4060A	5.72	-0.0668	3.18	2.32	1.61	1.18
HvH-Face-100421-02/Q0BME02O	PMAE4065A	512.0000	NNTN7038A (85mm)	Front @ 2.5cm	None	PMMN4060A	5.70	-0.172	4.77	3.46	2.48	1.80
HvH-Face-100421-03/Q0BME02O	PMAE4065A	*520.0000	NNTN7038A (85mm)	Front @ 2.5cm	None	PMMN4060A	5.71	-0.177	4.25	3.08	2.21	1.60

13.3 764 -775MHz Test Flowchart Summary

DUT Body Test Methodology

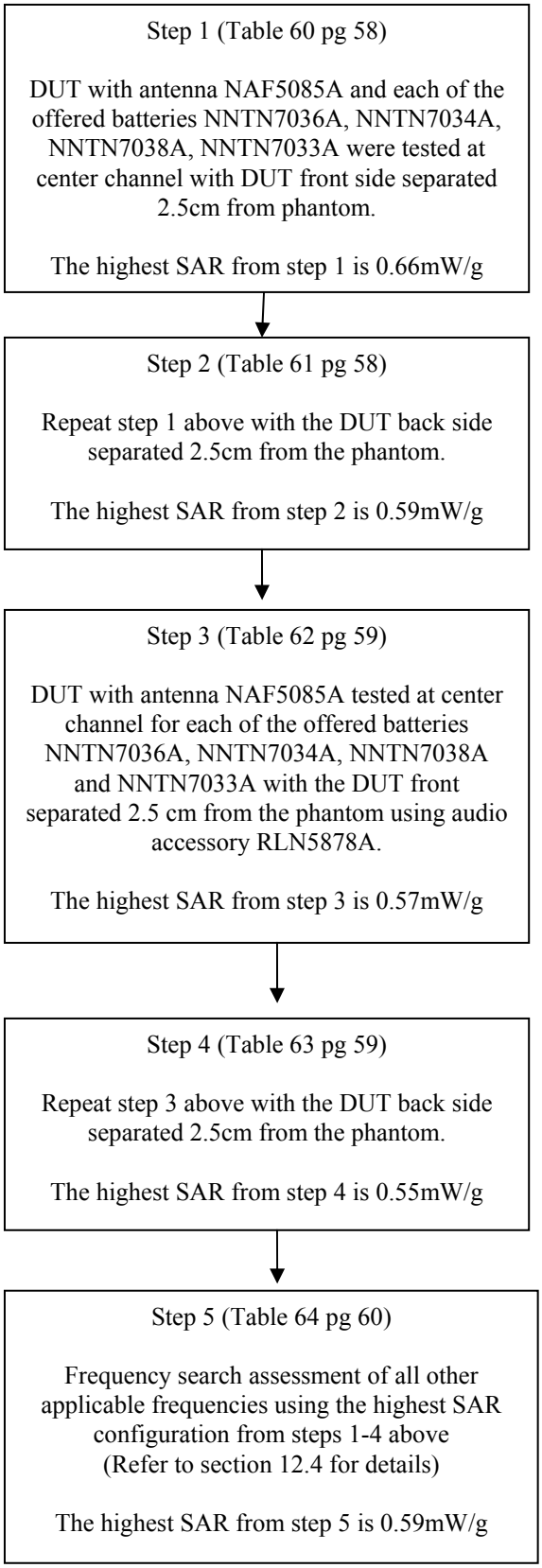


DUT Body Test Methodology (Continued)

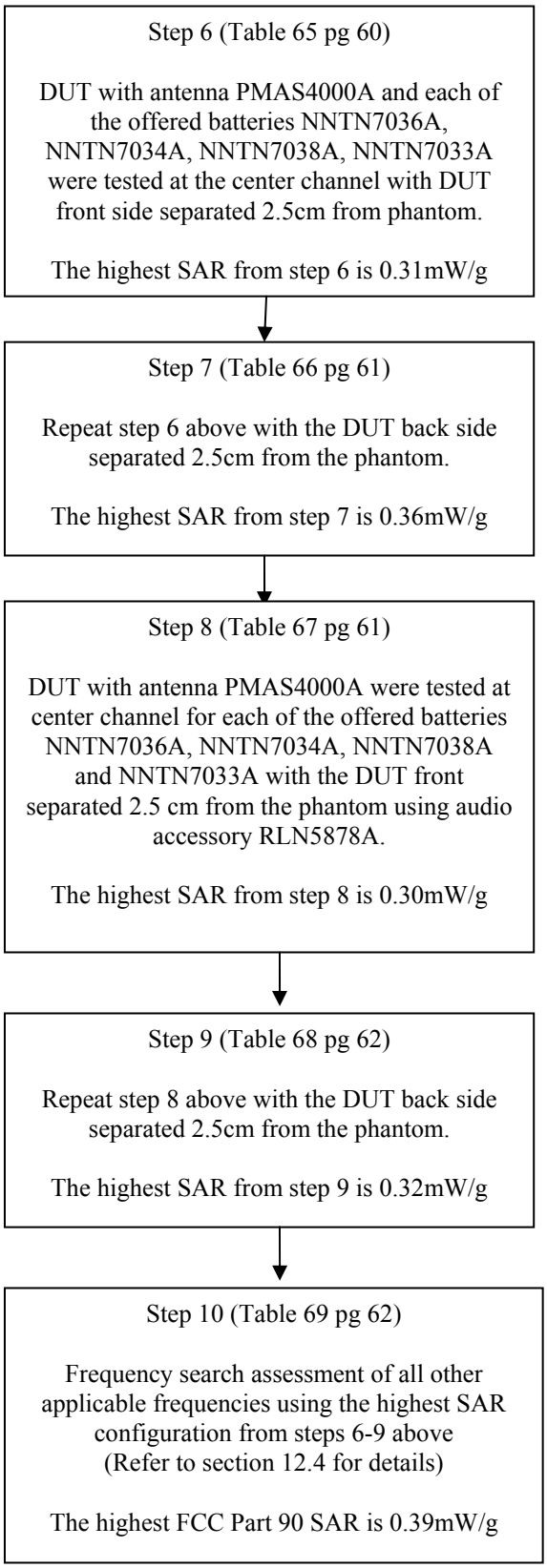


The highest SAR from the body tests above is: 4.08mW/g

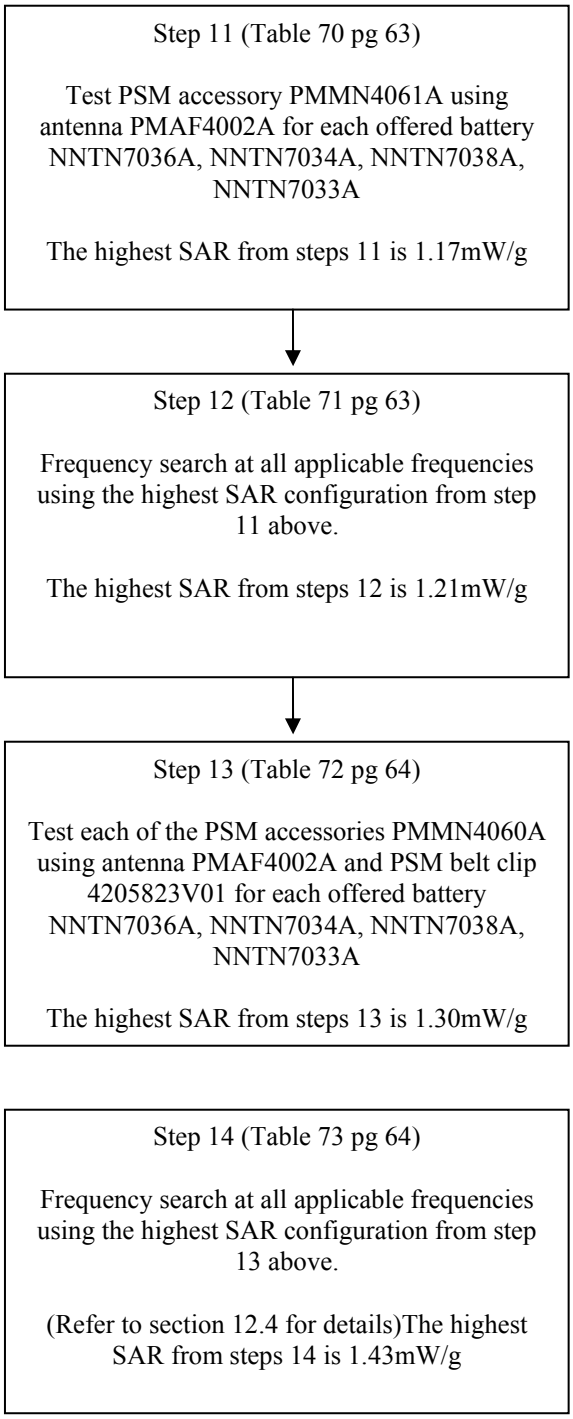
DUT Face Test Methodology



DUT Face Test Methodology (Continued)



DUT Face Test Methodology (Continued)



The highest SAR at the Face from above is: 1.43mW/g

13.4 764 -775MHz Test Data

***Results for frequencies 764-769MHz and 775-776MHz are outside the FCC frequency allocation.**

Assessments at the Body (50% duty cycle)

Test Flowchart pg 45 step 1; The DUT was tested with antenna NAF5085A, offered battery NNTN7036A and belt clip NTN8266B at center channel for each audio accessory PMLN5275A, RLN5882A and HMN4104A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 31.0 – (764 - 775 MHz band) NAF5085A antenna and NNTN7036A battery.

TABLE 44

764-775 MHz band assessments at the body (CW) – Assessment of NAF5085A antenna and NNTN7036A battery												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Ab-100421-05/Q0BME02S	NAF5085A	770.000	NNTN7036A (137mm)	Against phantom	NTN8266B belt clip	PMLN5275A	3.00	-0.0752	2.99	1.97	1.52	1.00
HvH-Ab-100421-06/Q0BME02S	NAF5085A	770.000	NNTN7036A (137mm)	Against phantom	NTN8266B belt clip	RLN5882A	3.01	-0.107	2.98	1.99	1.53	1.02
HvH-Ab-100421-07/Q0BME02S	NAF5085A	770.000	NNTN7036A (137mm)	Against phantom	NTN8266B belt clip	HMN4104A	3.01	-0.149	3.03	1.96	1.57	1.01

Assessments at the Body (50% duty cycle)

Test Flowchart pg 45 step 2; The DUT was tested with antenna NAF5085A, offered battery NNTN7034A and belt clip NTN8266B at center channel for each audio accessory PMLN5275A, RLN5882A and HMN4104A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 32.0 – (764 - 775 MHz band) NAF5085A antenna and NNTN7034A battery.

TABLE 45

764-775 MHz band assessments at the body (CW) – Assessment of NAF5085A antenna and NNTN7034A battery												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Ab-100421-08/Q0BME02S	NAF5085A	770.0000	NNTN7034A (130mm)	Against phantom	NTN8266B belt clip	PMLN5275A	3.00	-0.0751	3.01	1.93	1.53	0.98
HvH-Ab-100421-09/Q0BME02S	NAF5085A	770.0000	NNTN7034A (130mm)	Against phantom	NTN8266B belt clip	RLN5882A	3.00	-0.0394	3.23	2.06	1.63	1.04
CM-Ab-100421-10/Q0BME02S	NAF5085A	770.0000	NNTN7034A (130mm)	Against phantom	NTN8266B belt clip	HMN4104A	3.01	-0.0589	3.26	2.06	1.65	1.04

Assessments at the Body (50% duty cycle)

Test Flowchart pg 45 step 3; The DUT was tested with antenna NAF5085A, offered battery NNTN7038A and belt clip NTN8266B at center channel for each audio accessory PMLN5275A, RLN5882A and HMN4104A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 33.0 – (764 - 775 MHz band) NAF5085A antenna and NNTN7038A battery.

TABLE 46

764-775 MHz band assessments at the body (CW) – Assessment of NAF5085A antenna and NNTN7038A battery												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
CM-Ab-100421-11/Q0BME02S	NAF5085A	770.0000	NNTN7038A (85mm)	Against phantom	NTN8266B belt clip	PMLN5275A	3.02	-0.0496	3.61	2.03	1.83	1.03
CM-Ab-100421-13/Q0BME02S	NAF5085A	770.0000	NNTN7038A (85mm)	Against phantom	NTN8266B belt clip	RLN5882A	3.01	-0.0672	3.11	1.84	1.58	0.93
CM-Ab-100421-14/Q0BME02S	NAF5085A	770.0000	NNTN7038A (85mm)	Against phantom	NTN8266B belt clip	HMN4104A	3.04	-0.0611	3.63	2.05	1.84	1.04

Assessments at the Body (50% duty cycle)

Test Flowchart pg 45 step 4; The DUT was tested with antenna NAF5085A, offered battery NNTN7033A and belt clip NTN8266B at center channel for each audio accessory PMLN5275A, RLN5882A and HMN4104A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 34.0 – (764 - 775 MHz band) NAF5085A antenna and NNTN7033A battery.

TABLE 47

764-775 MHz band assessments at the body (CW) – Assessment of NAF5085A antenna and NNTN7033A battery												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
CM-Ab-100421-15/Q0BME02S	NAF5085A	770.0000	NNTN7033A (130mm)	Against phantom	NTN8266B belt clip	PMLN5275A	3.10	-0.103	3.03	1.98	1.55	1.01
CM-Ab-100421-16/Q0BME02S	NAF5085A	770.0000	NNTN7033A (130mm)	Against phantom	NTN8266B belt clip	RLN5882A	3.01	-0.108	3.19	2.10	1.64	1.08
CM-Ab-100421-17/Q0BME02S	NAF5085A	770.0000	NNTN7033A (130mm)	Against phantom	NTN8266B belt clip	HMN4104A	2.99	-0.0632	3.23	2.12	1.64	1.08

Assessments at the Body (50% duty cycle)

Test Flowchart pg 46 step 5; The DUT was tested at all other applicable frequencies using the highest SAR configuration from tables 44-47. Refer to section 12.4 for additional test consideration details. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 35.0 – (764 - 775 MHz band) NAF5085A antenna **f**requency search

TABLE 48

764-775 MHz band assessments at the body (CW) – Assessment of NAF5085A antenna frequency search												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Ab-100422-02/Q0BME02S	NAF5085A	764.0125	NNTN7038A (85mm)	Against phantom	NTN8266B belt clip	HMN4104A	3.01	-0.0702	3.91	2.23	1.99	1.13
HvH-Ab-100422-04/Q0BME02S	NAF5085A	775.9875	NNTN7038A (85mm)	Against phantom	NTN8266B belt clip	HMN4104A	3.02	-0.0824	3.08	1.77	1.57	0.90

Assessments at the Body (50% duty cycle)

Test Flowchart pg 46 step 6; The DUT front and back sides were tested with 2.5cm separation distance from the phantom using the highest SAR configuration from tables 44-48. Refer to section 12.3.1 for 2.5cm test consideration details. The highest SAR result from the table below (bolded) is provided in APPENDIX F Section 36.0 - (764 - 775 MHz band) 2.5cm separation with NAF5085A antenna.

TABLE 49

764-775 MHz band assessments at the body (CW) - 2.5cm separation with NAF5085A antenna												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Ab-100422-06/Q0BME02S	NAF5085A	764.0125	NNTN7038A (85mm)	Back - Antenna @ 2.5cm	None	HMN4104A	3.02	-0.148	1.15	0.86	0.59	0.44
HvH-Ab-100422-07/Q0BME02S	NAF5085A	764.0125	NNTN7038A (85mm)	Front - Radio @ 2.5cm	None	HMN4104A	3.01	-0.087	0.963	0.727	0.49	0.37

Assessments at the Body (50% duty cycle)

Test Flowchart pg 46 step 7; The DUT was tested with antenna PMAS4000A, offered battery NNTN7036A and belt clip NTN8266B at center channel for each audio accessory PMLN5275A, RLN5882A and HMN4104A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 37.0 – (764 - 775 MHz band) PMAS4000A antenna and NNTN7036A battery.

TABLE 50

764-775 MHz band assessments at the body (CW) – Assessment of PMAS4000A antenna and NNTN7036A battery												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Ab-100424-14/Q0BME02S	PMAS4000A	770.000	NNTN7036A (137mm)	Against phantom	NTN8266B belt clip	PMLN5275A	3.02	-0.0829	1.40	1.03	0.72	0.525
HvH-Ab-100424-15/Q0BME02S	PMAS4000A	770.000	NNTN7036A (137mm)	Against phantom	NTN8266B belt clip	RLN5882A	3.03	-0.0812	1.35	0.985	0.69	0.502
HvH-Ab-100424-16/Q0BME02S	PMAS4000A	770.000	NNTN7036A (137mm)	Against phantom	NTN8266B belt clip	HMN4104A	3.03	-0.0897	1.35	0.985	0.69	0.503

Assessments at the Body (50% duty cycle)

Test Flowchart pg 46 step 8; The DUT was tested with antenna PMAS4000A, offered battery NNTN7034A and belt clip NTN8266B at center channel for each audio accessory PMLN5275A, RLN5882A and HMN4104A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 38.0 – (764 - 775 MHz band) PMAS4000A antenna and NNTN7034A battery.

TABLE 51

764-775 MHz band assessments at the body (CW) – Assessment of PMAS4000A antenna and NNTN7034A battery												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Ab-100424-17/Q0BME02S	PMAS4000A	770.0000	NNTN7034A (130mm)	Against phantom	NTN8266B belt clip	PMLN5275A	3.03	-0.0356	1.39	1.01	0.70	0.509
MeC-Ab-100424-18/Q0BME02S	PMAS4000A	770.0000	NNTN7034A (130mm)	Against phantom	NTN8266B belt clip	RLN5882A	3.01	-0.097	1.36	0.989	0.70	0.506
MeC-Ab-100424-19/Q0BME02S	PMAS4000A	770.0000	NNTN7034A (130mm)	Against phantom	NTN8266B belt clip	HMN4104A	3.04	-0.101	1.30	0.957	0.67	0.490

Assessments at the Body (50% duty cycle)

Test Flowchart pg 46 step 9; The DUT was tested with antenna PMAS4000A, offered battery NNTN7038A and belt clip NTN8266B at center channel for each audio accessory PMLN5275A, RLN5882A and HMN4104A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 39.0 – (764 - 775 MHz band) PMAS4000A antenna and NNTN7038A battery.

TABLE 52

764-775 MHz band assessments at the body (CW) – Assessment of PMAS4000A antenna and NNTN7038A battery												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
MeC-Ab-100424-20/Q0BME02S	PMAS4000A	770.0000	NNTN7038A (85mm)	Against phantom	NTN8266B belt clip	PMLN5275A	3.00	-0.118	1.28	0.937	0.66	0.48
MeC-Ab-100424-21/Q0BME02S	PMAS4000A	770.0000	NNTN7038A (85mm)	Against phantom	NTN8266B belt clip	RLN5882A	3.02	-0.0725	1.27	0.929	0.65	0.47
MeC-Ab-100424-22/Q0BME02S	PMAS4000A	770.0000	NNTN7038A (85mm)	Against phantom	NTN8266B belt clip	HMN4104A	3.03	-0.0763	1.24	0.914	0.61	0.47

Assessments at the Body (50% duty cycle)

Test Flowchart pg 46 step 10; The DUT was tested with antenna PMAS4000A, offered battery NNTN7033A and belt clip NTN8266B at center channel for each audio accessory PMLN5275A, RLN5882A and HMN4104A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 40.0 – (764 - 775 MHz band) PMAS4000A antenna and NNTN7033A battery.

TABLE 53

764-775 MHz band assessments at the body (CW) – Assessment of PMAS4000A antenna and NNTN7033A battery												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
MeC-Ab-100424-23/Q0BME02S	PMAS4000A	770.0000	NNTN7033A (130mm)	Against phantom	NTN8266B belt clip	PMLN5275A	3.05	-0.119	1.40	1.03	0.72	0.53
MeC-Ab-100424-24/Q0BME02S	PMAS4000A	770.0000	NNTN7033A (130mm)	Against phantom	NTN8266B belt clip	RLN5882A	3.00	-0.126	1.35	0.981	0.70	0.51
MeC-Ab-100424-25/Q0BME02S	PMAS4000A	770.0000	NNTN7033A (130mm)	Against phantom	NTN8266B belt clip	HMN4104A	3.02	-0.133	1.28	0.941	0.66	0.49

Assessments at the Body (50% duty cycle)

Test Flowchart pg 46 step 11; The DUT was tested at all other applicable frequencies using the highest SAR configuration from tables 50-53. Refer to section 12.4 for additional test consideration details. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 41.0 – (764 - 775 MHz band) PMAS4000A antenna frequency Search

TABLE 54

764-775 MHz band assessments at the body (CW) – Antenna PMAS4000A antenna frequency search												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
MeC-Ab-100424-26/Q0BME02S	PMAS4000A	764.0125	NNTN7033A (130mm)	Against phantom	NTN8266B belt clip	PMLN5275A	3.03	-0.122	1.33	0.97	0.68	0.50
MeC-Ab-100424-27/Q0BME02S	PMAS4000A	775.9875	NNTN7033A (130mm)	Against phantom	NTN8266B belt clip	PMLN5275A	3.05	-0.103	1.45	1.06	0.74	0.54

Assessments at the Body (50% duty cycle)

Test Flowchart pg 46 step 12; The DUT front and back sides were tested with 2.5cm separation distance from the phantom using the highest SAR configuration from tables 50-54. Refer to section 12.3.1 for 2.5cm test consideration details. The highest SAR result from the table below (bolded) is provided in APPENDIX F Section 42.0 - (764 - 775 MHz band) 2.5cm separation with PMAS4000A antenna.

TABLE 55

764-775 MHz band assessments at the body (CW) - 2.5cm separation with PMAS4000A antenna												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
MeC-Ab-100424-28/Q0BME02S	PMAS4000A	775.9875	NNTN7033A (130mm)	Back - Antenna @ 2.5cm	None	PMLN5275A	3.04	-0.181	2.08	1.49	1.08	0.78
HvH-Ab-100425-02/Q0BME02S	PMAS4000A	775.9875	NNTN7033A (130mm)	Front - Radio @ 2.5cm	None	PMLN5275A	3.01	-0.0869	0.615	0.458	0.31	0.234

Assessments at the Body (50% duty cycle)

Test Flowchart pg 46 step 13; Offered PSM PMMN4061A was tested using antenna PMAF4002A and belt clip 4205823V01 with each of the offered batteries NNTN7036A, NNTN7034A, NNTN7038A and NNTN7033A at center channel. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 43.0 – (764 - 775 MHz band) PSM PMMN4061A with PMAF4002A antenna and offered batteries.

TABLE 56

764-775 MHz band assessments at the body (CW) – Assessment of PSM PMMN4061A and offered batteries												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Ab-100426-12/Q0BME02S	PMAF4002A	770.000	NNTN7036A (137mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4061A	3.03	-0.0479	6.65	4.35	3.362	2.20
HvH-Ab-100426-13/Q0BME02S	PMAF4002A	770.000	NNTN7034A (130mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4061A	3.03	-0.0289	6.67	4.36	3.357	2.19
HvH-Ab-100426-14/Q0BME02S	PMAF4002A	770.000	NNTN7038A (85mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4061A	3.03	-0.0221	6.62	4.36	3.33	2.19
HvH-Ab-100426-15/Q0BME02S	PMAF4002A	770.000	NNTN7033A (130mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4061A	3.02	-0.0379	6.48	4.27	3.27	2.15

Assessments at the Body (50% duty cycle)

Test Flowchart pg 46 step 14; Offered PSM PMMN4061A was tested at all other applicable frequencies using the highest SAR configuration from table 56 above. Refer to section 12.4 for additional test consideration details. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 44.0 – (764 - 775 MHz band) PSM PMMN4061A with PMAF4002A antenna frequency search.

TABLE 57

764-775 MHz band assessments at the body (CW) – PSM PMMN4061A with PMAF4002A antenna frequency search												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
CM-Ab-100426-16/Q0BME02S	PMAF4002A	764.0125	NNTN7036A (137mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4061A	3.01	-0.057	6.94	4.55	3.52	2.31
HvH-Ab-100511-06/Q05ME0D5	PMAF4002A	775.9875	NNTN7036A (137mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4061A	2.92	0.0029	7.96	5.24	4.08	2.68

Assessments at the Body (50% duty cycle)

Test Flowchart pg 46 step 15; Offered PSM PMMN4060A was tested using antenna PMAF4002A and belt clip 4205823V01 with each of the offered batteries NNTN7036A, NNTN7034A, NNTN7038A and NNTN7033A at center channel. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 45.0 – (764 - 775 MHz band) PSM PMMN4060A with PMAF4002A antenna and offered batteries.

TABLE 58

764-775 MHz band assessments at the body (CW) – Assessment of PSM PMMN4060A with PMAF4002A antenna and offered batteries												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Ab-100427-05/Q0BME02S	PMAF4002A	770.000	NNTN7036A (137mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4060A	3.01	-0.0522	5.00	3.30	2.53	1.67
HvH-Ab-100427-06/Q0BME02S	PMAF4002A	770.000	NNTN7034A (130mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4060A	3.02	-0.0485	4.99	3.29	2.52	1.66
HvH-Ab-100427-07/Q0BME02S	PMAF4002A	770.000	NNTN7038A (85mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4060A	3.01	-0.043	4.98	3.28	2.51	1.66
HvH-Ab-100427-08/Q0BME02S	PMAF4002A	770.000	NNTN7033A (130mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4060A	3.02	-0.049	4.96	3.28	2.51	1.66

Assessments at the Body (50% duty cycle)

Test Flowchart pg 46 step 16; Offered PSM PMMN4060A was tested at all other applicable frequencies using the highest SAR configuration from table 58 above. Refer to section 12.4 for additional test consideration details. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 46.0 – (764 - 775 MHz band) PSM PMMN4060A with PMAF4002A antenna frequency search.

TABLE 59

764-775 MHz band assessments at the body (CW) – PSM PMMN4060A with PMAF4002A antenna frequency search												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Ab-100427-09/Q0BME02S	PMAF4002A	764.0125	NNTN7036A (137mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4060A	3.01	-0.0674	5.76	3.79	2.93	1.92
HvH-Ab-100427-10/Q0BME02S	PMAF4002A	775.9875	NNTN7036A (137mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4060A	3.05	-0.0921	4.46	2.94	2.28	1.50

Assessments at the Face (50% duty cycle)

Test Flowchart pg 47 step 1; The DUT was tested with antenna NAF5085A with each of the offered batteries NNTN7036A, NNTN7034A, NNTN7038A and NNTN7033A at center channel with the DUT front side separated 2.5cm from the phantom. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 47.0 – (764 - 775 MHz band) DUT front side with NAF5085A antenna and offered batteries.

TABLE 60

764-775 MHz band assessments at the face (CW) – DUT front side with NAF5085A and offered batteries												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
CM-Face-100427-24/Q0BME02S	NAF5085A	770.000	NNTN7036A (137mm)	Front @2.5cm	None	None	3.01	0.283	1.31	0.959	0.66	0.48
CM-Face-100427-26/Q0BME02S	NAF5085A	770.000	NNTN7034A (130mm)	Front @2.5cm	None	None	3.02	-0.132	0.807	0.597	0.42	0.31
CM-Face-100427-27/Q0BME02S	NAF5085A	770.000	NNTN7038A (85mm)	Front @2.5cm	None	None	3.00	-0.412	0.938	0.698	0.52	0.38
HvH-Face-100428-02/Q0BME02S	NAF5085A	770.000	NNTN7033A (130mm)	Front @2.5cm	None	None	3.00	-0.0176	1.11	0.814	0.56	0.41

Assessments at the Face (50% duty cycle)

Test Flowchart pg 47 step 2; The DUT was tested with antenna NAF5085A with each of the offered batteries NNTN7036A, NNTN7034A, NNTN7038A and NNTN7033A at center channel with the DUT back side separated 2.5cm from the phantom. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 48.0 – (764 - 775 MHz band) DUT back side with NAF5085A antenna and offered batteries.

TABLE 61

764-775 MHz band assessments at the face (CW) – DUT back side with NAF5085A antenna and offered batteries												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Face-100428-03/Q0BME02S	NAF5085A	770.0000	NNTN7036A (137mm)	Back @2.5cm	None	None	2.99	-0.165	1.04	0.771	0.54	0.40
HvH-Face-100428-04/Q0BME02S	NAF5085A	770.0000	NNTN7034A (130mm)	Back @2.5cm	None	None	3.00	-0.0296	0.910	0.673	0.46	0.34
HvH-Face-100428-05/Q0BME02S	NAF5085A	770.0000	NNTN7038A (85mm)	Back @2.5cm	None	None	3.00	-0.143	1.15	0.855	0.59	0.44
HvH-Face-100428-06/Q0BME02S	NAF5085A	770.0000	NNTN7033A (130mm)	Back @2.5cm	None	None	3.02	-0.093	1.03	0.760	0.53	0.39

Assessments at the Face (50% duty cycle)

Test Flowchart pg 47 step 3; The DUT was tested with antenna NAF5085A at the center channel for each of the offered batteries NNTN7036A, NNTN7034A, NNTN7038A and NNTN7033A with the DUT front side separated 2.5cm from the phantom using audio accessory RLN5878A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 49.0 – (764 - 775 MHz band) DUT front side with NAF5085A antenna and RLN5878A audio accessory.

TABLE 62

764-775 MHz band assessments at the face (CW) – DUT front side with audio accessory RLN5878A												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Face-100428-11/Q0BME02S	NAF5085A	770.0000	NNTN7036A (137mm)	Front @ 2.5cm	None	RLN5878A	3.02	0.140	1.14	0.840	0.57	0.42
CM-Face-100428-12/Q0BME02S	NAF5085A	770.0000	NNTN7034A (130mm)	Front @ 2.5cm	None	RLN5878A	3.01	0.0327	0.844	0.623	0.42	0.31
CM-Face-100428-13/Q0BME02S	NAF5085A	770.0000	NNTN7038A (85mm)	Front @ 2.5cm	None	RLN5878A	3.00	-0.0485	0.973	0.714	0.49	0.36
CM-Face-100428-14/Q0BME02S	NAF5085A	770.0000	NNTN7033A (130mm)	Front @ 2.5cm	None	RLN5878A	3.02	-0.0989	0.955	0.706	0.49	0.36

Assessments at the Face (50% duty cycle)

Test Flowchart pg 47 step 4; The DUT was tested with antenna NAF5085A at the center channel for each of the offered batteries NNTN7036A, NNTN7034A, NNTN7038A and NNTN7033A with the DUT back side separated 2.5cm from the phantom using audio accessory RLN5878A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 50.0 – (764 - 775 MHz band) DUT back side with NAF5085A antenna and RLN5878A audio accessory.

TABLE 63

764-775 MHz band assessments at the face (CW) – DUT back side with NAF5085A antenna and RLN5878A audio accessory												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Face-100428-07/Q0BME02S	NAF5085A	770.0000	NNTN7036A (137mm)	Back @ 2.5cm	None	RLN5878A	3.02	-0.125	0.993	0.737	0.51	0.38
HvH-Face-100428-08/Q0BME02S	NAF5085A	770.0000	NNTN7034A (130mm)	Back @ 2.5cm	None	RLN5878A	3.02	0.00183	0.863	0.641	0.43	0.32
HvH-Face-100428-09/Q0BME02S	NAF5085A	770.0000	NNTN7038A (85mm)	Back @ 2.5cm	None	RLN5878A	3.02	-0.122	1.07	0.796	0.55	0.41
HvH-Face-100428-10/Q0BME02S	NAF5085A	770.0000	NNTN7033A (130mm)	Back @ 2.5cm	None	RLN5878A	3.02	-0.0939	0.946	0.701	0.48	0.36

Assessments at the Face (50% duty cycle)

Test Flowchart pg 47 step 5; The DUT was tested with antenna NAF5085A at all applicable frequencies using the highest SAR configuration from tables 60-63 above. Refer to section 12.4 for additional test consideration details. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 51.0 – (764 - 775 MHz band) NAF5085A antenna frequency search.

TABLE 64

764-775 MHz band assessments at the face (CW) – NAF5085A frequencies search												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
CM-Face-100428-15/Q0BME02S	NAF5085A	764.0125	NNTN7036A (137mm)	Front @ 2.5cm	None	None	3.01	-0.225	1.02	0.760	0.54	0.40
CM-Face-100428-16/Q0BME02S	NAF5085A	775.9875	NNTN7036A (137mm)	Front @ 2.5cm	None	None	3.04	-0.108	1.16	0.855	0.59	0.44

Assessments at the Face (50% duty cycle)

Test Flowchart pg 48 step 6; The DUT was tested with antenna PMAS4000A with each of the offered batteries NNTN7036A, NNTN7034A, NNTN7038A and NNTN7033A at center channel with the DUT front side separated 2.5cm from the phantom. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 52.0 – (764 - 775 MHz band) DUT front side with PMAS4000A antenna and offered batteries.

TABLE 65

764-775 MHz band assessments at the face (CW) – DUT front side with PMAS4000A and offered batteries												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
CM-Face-100430-17/Q0BME02S	PMAS4000A	770.0000	NNTN7036A (137mm)	Front @ 2.5cm	None	None	3.01	-0.162	0.593	0.438	0.31	0.23
CM-Face-100430-18/Q0BME02S	PMAS4000A	770.0000	NNTN7034A (130mm)	Front @ 2.5cm	None	None	3.05	-0.151	0.503	0.371	0.26	0.19
CM-Face-100430-19/Q0BME02S	PMAS4000A	770.0000	NNTN7038A (85mm)	Front @ 2.5cm	None	None	3.02	-0.113	0.541	0.398	0.28	0.20
CM-Face-100430-20/Q0BME02S	PMAS4000A	770.0000	NNTN7033A (130mm)	Front @ 2.5cm	None	None	3.03	-0.204	0.506	0.374	0.27	0.20

Assessments at the Face (50% duty cycle)

Test Flowchart pg 48 step 7; The DUT was tested with antenna PMAS4000A with each of the offered batteries NNTN7036A, NNTN7034A, NNTN7038A and NNTN7033A at center channel with the DUT back side separated 2.5cm from the phantom. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 53.0 – (764 - 775 MHz band) DUT back side with PMAS4000A antenna and offered batteries.

TABLE 66

764-775 MHz band assessments at the face (CW) – DUT back side with PMAS4000A and offered batteries												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
JsT-Face-100501-02/Q0BME02S	PMAS4000A	770.0000	NNTN7036A (137mm)	Back @ 2.5cm	None	None	3.01	-0.0511	0.702	0.515	0.36	0.26
JsT-Face-100501-03/Q0BME02S	PMAS4000A	770.0000	NNTN7034A (130mm)	Back @ 2.5cm	None	None	3.02	-0.0007	0.684	0.503	0.34	0.25
JsT-Face-100501-04/Q0BME02S	PMAS4000A	770.0000	NNTN7038A (85mm)	Back @ 2.5cm	None	None	3.02	-0.143	0.625	0.459	0.32	0.24
JsT-Face-100501-05/Q0BME02S	PMAS4000A	770.0000	NNTN7033A (130mm)	Back @ 2.5cm	None	None	3.02	-0.100	0.686	0.505	0.35	0.26

Assessments at the Face (50% duty cycle)

Test Flowchart pg 48 step 8; The DUT was tested with antenna PMAS4000A at the center channel for each of the offered batteries NNTN7036A, NNTN7034A, NNTN7038A and NNTN7033A with the DUT front side separated 2.5cm from the phantom using audio accessory RLN5878A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 54.0 – (764 - 775 MHz band) DUT front side with PMAS4000A antenna and RLN5878A audio accessory.

TABLE 67

764-775 MHz band assessments at the face (CW) – DUT front side with offered audio accessory												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
JsT-Face-100501-10/Q0BME02S	PMAS4000A	770.0000	NNTN7036A (137mm)	Front @ 2.5cm	None	RLN5878A	3.02	-0.150	0.579	0.427	0.30	0.22
JsT-Face-100501-11/Q0BME02S	PMAS4000A	770.0000	NNTN7034A (130mm)	Front @ 2.5cm	None	RLN5878A	3.02	-0.113	0.568	0.417	0.29	0.21
MeC-Face-100504-23/Q0BME02S	PMAS4000A	770.0000	NNTN7038A (85mm)	Front @ 2.5cm	None	RLN5878A	2.99	-0.937	0.311	0.233	0.19	0.15
JsT-Face-100501-12/Q0BME02S	PMAS4000A	770.0000	NNTN7033A (130mm)	Front @ 2.5cm	None	RLN5878A	3.01	-0.100	0.573	0.423	0.29	0.22

Assessments at the Face (50% duty cycle)

Test Flowchart pg 48 step 9; The DUT was tested with antenna PMAS4000A at the center channel with the DUT back side separated 2.5cm from the phantom using audio accessory RLN5878A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 55.0 – (764 - 775 MHz band) DUT back side with PMAS4000A antenna and RLN5878A audio accessory.

TABLE 68

764-775 MHz band assessments at the face (CW) – DUT back side with offered audio accessories												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
JsT-Face-100501-06/Q0BME02S	PMAS4000A	770.0000	NNTN7036A (137mm)	Back @ 2.5cm	None	RLN5878A	3.01	-0.0292	0.628	0.463	0.32	0.23
JsT-Face-100501-07/Q0BME02S	PMAS4000A	770.0000	NNTN7034A (130mm)	Back @ 2.5cm	None	RLN5878A	3.01	-0.142	0.574	0.423	0.30	0.22
JsT-Face-100501-09/Q0BME02S	PMAS4000A	770.0000	NNTN7038A (85mm)	Back @ 2.5cm	None	RLN5878A	3.01	-0.220	0.554	0.408	0.29	0.22
JsT-Face-100501-08/Q0BME02S	PMAS4000A	770.0000	NNTN7033A (130mm)	Back @ 2.5cm	None	RLN5878A	3.00	-0.106	0.587	0.433	0.30	0.22

Assessments at the Face (50% duty cycle)

Test Flowchart pg 48 step 10; The DUT was tested with antenna PMAS4000A at all other applicable frequencies using the highest SAR configuration from tables 65-68 with the DUT back side separated 2.5cm from the phantom using audio accessory RLN5878A. Refer to section 12.4 for additional test consideration details. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 56.0 – (764 - 775 MHz band) PMAS4000A antenna frequency search.

TABLE 69

764-775 MHz band assessments at the face (CW) – PMAS4000A frequency search												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
MeC-Face-100501-14/Q0BME02S	PMAS4000A	764.0125	NNTN7036A (137mm)	Back @ 2.5cm	None	None	3.00	-0.106	0.675	0.498	0.35	0.26
MeC-Face-100501-15/Q0BME02S	PMAS4000A	775.9875	NNTN7036A (137mm)	Back @ 2.5cm	None	None	2.99	-0.078	0.759	0.556	0.39	0.28

Assessments at the Face (50% duty cycle)

Test Flowchart pg 49 steps 11; Offered PSM PMMN4061A was tested using antenna PMAF4002A with each of the offered batteries NNTN7036A, NNTN7034A, NNTN7038A and NNTN7033A at center channel. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 57.0 – (764 - 775 MHz band) PSM PMMN4061A with PMAF4002A antenna and offered batteries.

TABLE 70

764-775 MHz band assessments at the face (CW) – PSM PMMN4061A with PMAF4002A antenna and offered batteries												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Face-100503-12/Q0BME02S	PMAF4002A	770.0000	NNTN7036A (137mm)	Front @ 2.5cm	None	PMMN4061A	3.03	-0.0461	2.20	1.58	1.11	0.80
HvH-Face-100504-02/Q0BME02S	PMAF4002A	770.0000	NNTN7034A (130mm)	Front @ 2.5cm	None	PMMN4061A	3.02	-0.0348	2.24	1.61	1.13	0.81
HvH-Face-100504-03/Q0BME02S	PMAF4002A	770.0000	NNTN7038A (85mm)	Front @ 2.5cm	None	PMMN4061A	3.02	-0.0567	2.30	1.65	1.17	0.84
HvH-Face-100504-04/Q0BME02S	PMAF4002A	770.0000	NNTN7033A (130mm)	Front @ 2.5cm	None	PMMN4061A	3.02	-0.0382	2.18	1.58	1.10	0.80

Assessments at the Face (50% duty cycle)

Test Flowchart pg 49 steps 12; Offered PSM PMMN4061A was tested at all other applicable frequencies using the highest SAR configuration from table 70 above. Refer to section 12.4 for additional test consideration details. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 58.0 – (764 - 775 MHz band) PSM PMMN4061A with PMAF4002A antenna frequency search.

TABLE 71

764-775 MHz band assessments at the face (CW) – PSM PMMN4061A and offered batteries												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Face-100504-05/Q0BME02S	PMAF4002A	764.0125	NNTN7038A (85mm)	Front @ 2.5cm	None	PMMN4061A	3.03	-0.0464	2.40	1.74	1.21	0.88
HvH-Face-100504-06/Q0BME02S	PMAF4002A	775.9875	NNTN7038A (85mm)	Front @ 2.5cm	None	PMMN4061A	3.03	-0.022	2.35	1.69	1.11	0.85

Assessments at the Face (50% duty cycle)

Test Flowchart pg 49 steps 13; Offered PSM PMMN4060A was tested using antenna PMAF4002A with each of the offered batteries NNTN7036A, NNTN7034A, NNTN7038A and NNTN7033A at center channel. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 59.0 – (764 - 775 MHz band) PSM PMMN4060A antenna and offered batteries.

TABLE 72

764-775 MHz band assessments at the face (CW) – PSM PMMN4060A and offered batteries												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Face-100505-04/Q0BME02S	PMAF4002A	770.0000	NNTN7036A (137mm)	Front @ 2.5cm	None	PMMN4060A	3.03	-0.047	2.58	1.85	1.30	0.94
HvH-Face-100505-02/Q0BME02S	PMAF4002A	770.0000	NNTN7034A (130mm)	Front @ 2.5cm	None	PMMN4060A	3.02	-0.0489	2.01	1.45	1.02	0.73
HvH-Face-100505-05/Q0BME02S	PMAF4002A	770.0000	NNTN7038A (85mm)	Front @ 2.5cm	None	PMMN4060A	3.03	-0.0598	2.37	1.70	1.20	0.86
HvH-Face-100505-03/Q0BME02S	PMAF4002A	770.0000	NNTN7033A (130mm)	Front @ 2.5cm	None	PMMN4060A	3.03	-0.0255	2.53	1.83	1.27	0.92

Assessments at the Face (50% duty cycle)

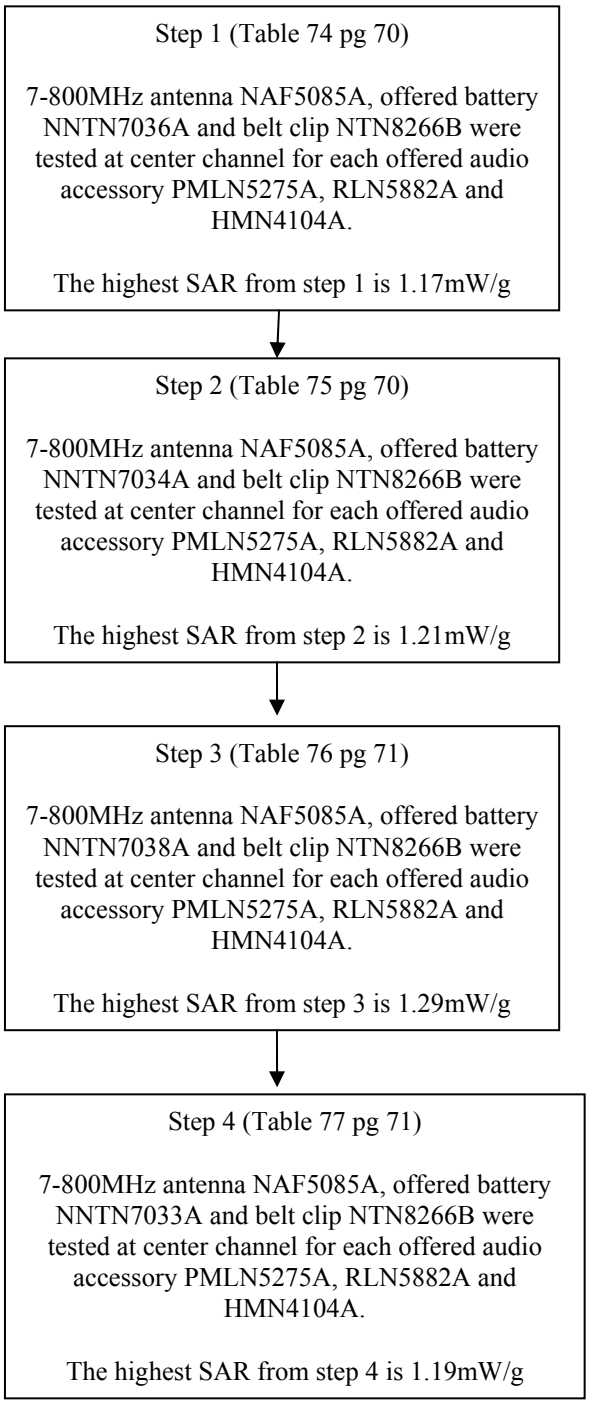
Test Flowchart pg 49 steps 14; Offered PSM PMMN4060A was tested at all other applicable frequencies using the highest SAR configuration from table 72 above. Refer to section 12.4 for additional test consideration details. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 60.0 – (764 - 775 MHz band) PSM PMMN4060A with PMAF4002A antenna frequency search.

TABLE 73

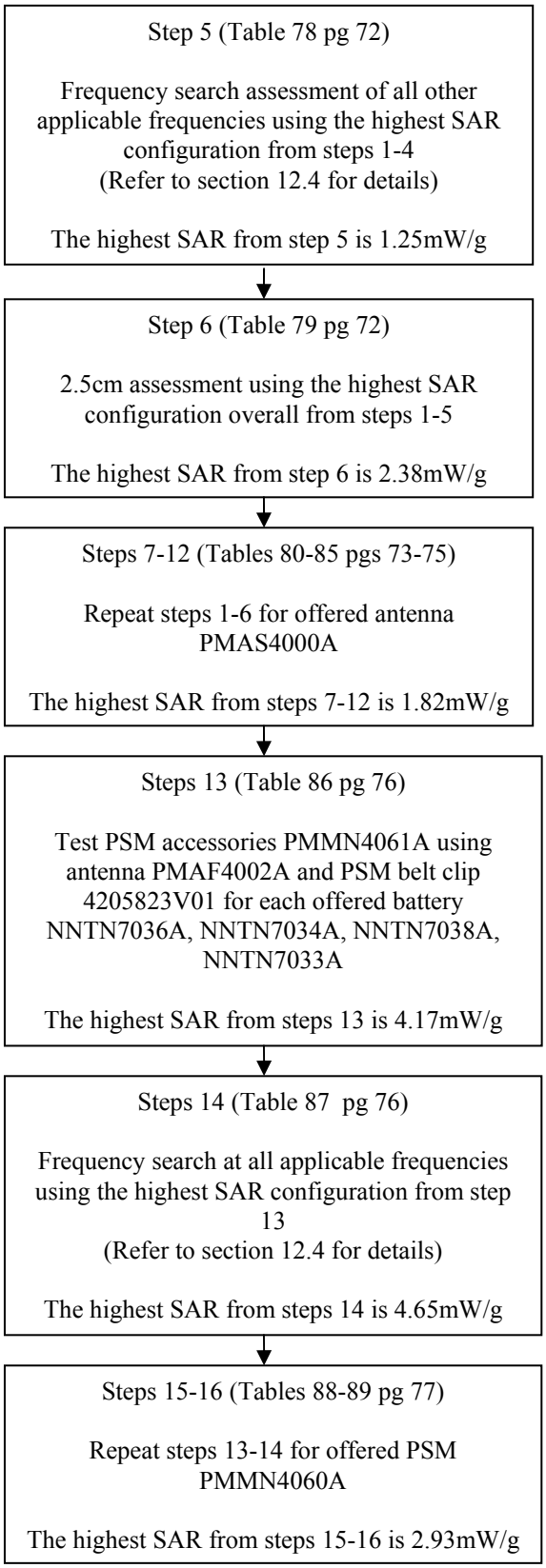
764-775 MHz band assessments at the face (CW) – PSM PMMN4060A with PMAF4002A antenna frequency search.												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Face-100505-06/Q0BME02S	PMAF4002A	764.0125	NNTN7036A (137mm)	Front @ 2.5cm	None	PMMN4060A	3.03	-0.0845	2.80	2.02	1.43	1.03
HvH-Face-100505-07/Q0BME02S	PMAF4002A	775.9875	NNTN7036A (137mm)	Front @ 2.5cm	None	PMMN4060A	3.02	-0.0366	2.20	1.58	1.11	0.80

13.5 794-824MHz Test Flowchart Summary

DUT Body Test Methodology

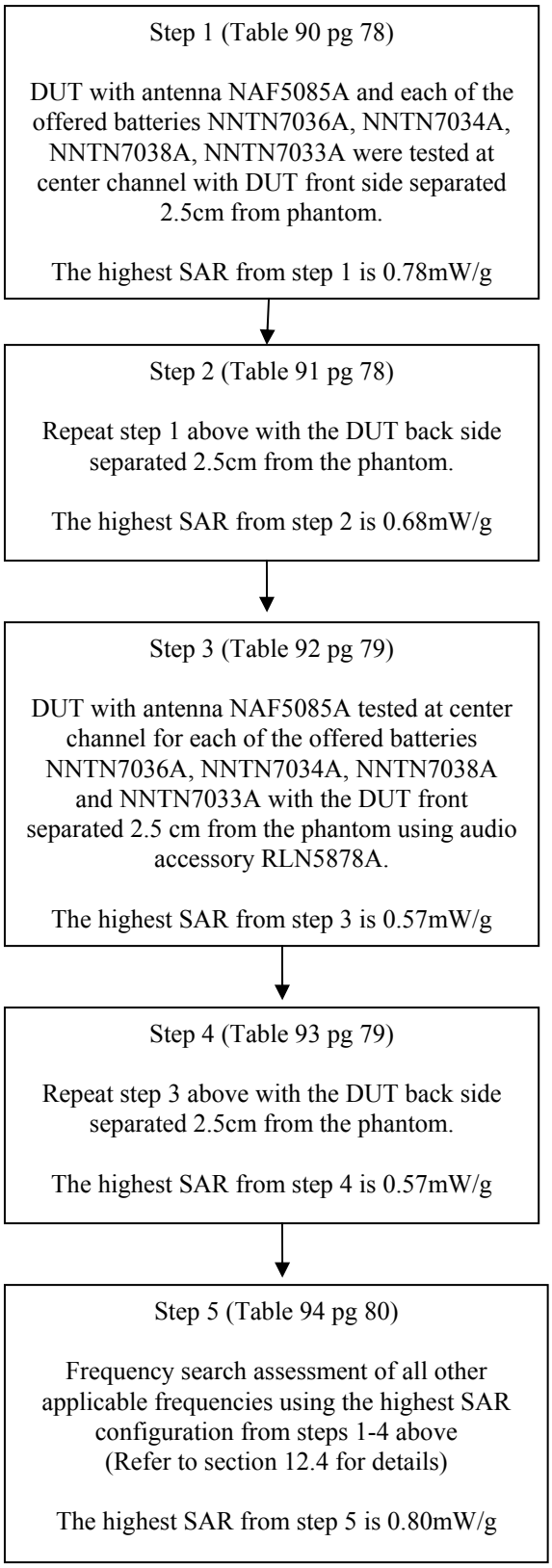


DUT Body Test Methodology (Continued)

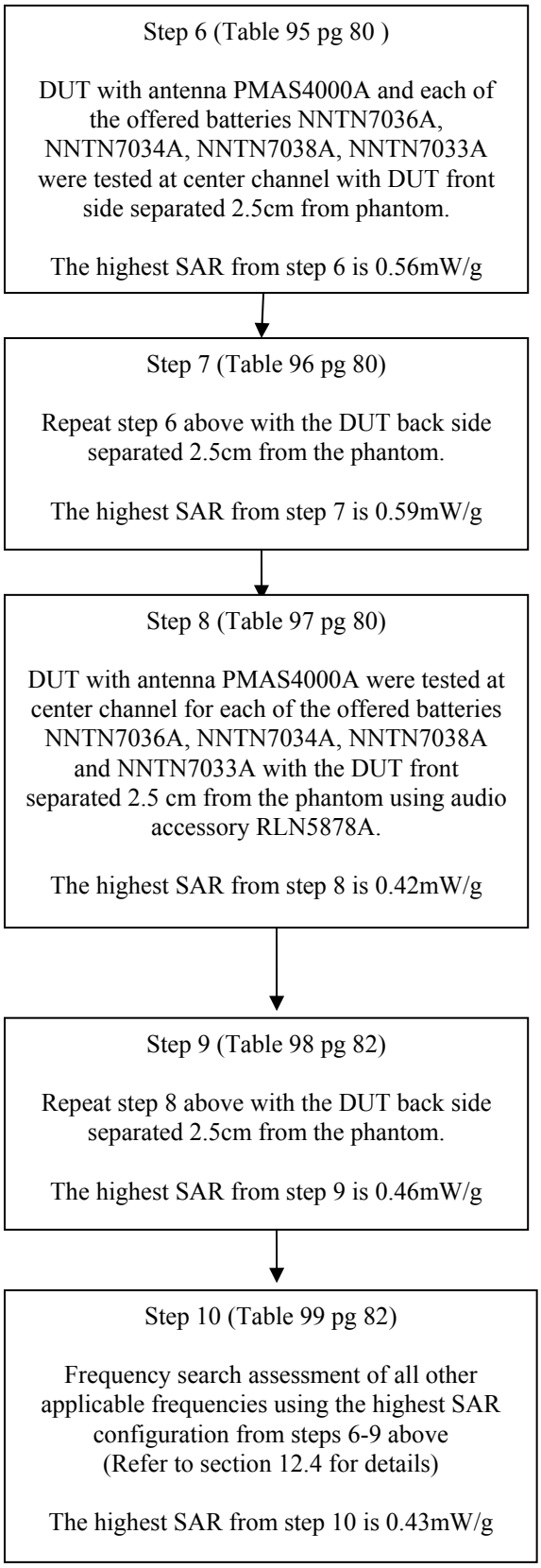


The highest SAR from the body tests above is 4.65mW/g

DUT Face Test Methodology



DUT Face Test Methodology (Continued)



DUT Face Test Methodology (Continued)

Step 11 (Table 100 pg 83)

Test PSM accessory PMMN4061A using antenna PMAF4002A and PSM belt clip 4205823V01 for each offered battery NNTN7036A, NNTN7034A, NNTN7038A, NNTN7033A

The highest SAR from steps 11 is 1.33mW/g

↓

Step 12 (Table 101 pg 83)

Frequency search at all applicable frequencies using the highest SAR configuration from step 11 above.

The highest SAR from steps 12 is 1.53mW/g

↓

Step 13 (Table 102 pg 84)

Test each of the PSM accessories PMMN4060A using antenna PMAF4002A and PSM belt clip 4205823V01 for each offered battery NNTN7036A, NNTN7034A, NNTN7038A, NNTN7033A

The highest SAR from steps 13 is 0.96mW/g

Step 14 (Table 103 pg 84)

Frequency search at all applicable frequencies using the highest SAR configuration from step 13 above.
(Refer to section 12.4 for details)

The highest SAR from step 14 is 0.97mW/g

The highest SAR (Part 90) at the Face from above is 1.53mW/g

13.6 794-824MHz Test Data

***Results for frequencies 794-799MHz and 805-806MHz are outside the FCC frequency allocation.**

Assessments at the Body (50% duty cycle)

Test Flowchart pg 65 step 1; The DUT was tested with antenna NAF5085A, offered battery NNTN7036A and belt clip NTN8266B at center channel for each audio accessory PMLN5275A, RLN5882A and HMN4104A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 61.0 – (794-824MHz band) NAF5085A antenna and NNTN7036A battery.

TABLE 74

794-824MHz band assessments at the body (CW) – Assessment of NAF5085A antenna and NNTN7036A battery												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Ab-100422-08/Q0BME02S	NAF5085A	809.000	NNTN7036A (137mm)	Against phantom	NTN8266B belt clip	PMLN5275A	3.63	-0.148	2.27	1.55	1.17	0.80
HvH-Ab-100422-09/Q0BME02S	NAF5085A	809.000	NNTN7036A (137mm)	Against phantom	NTN8266B belt clip	RLN5882A	3.64	-0.115	2.19	1.50	1.12	0.77
HvH-Ab-100422-10/Q0BME02S	NAF5085A	809.000	NNTN7036A (137mm)	Against phantom	NTN8266B belt clip	HMN4104A	3.66	-0.098	2.14	1.46	1.09	0.75

Assessments at the Body (50% duty cycle)

Test Flowchart pg 65 step 2; The DUT was tested with antenna NAF5085A, offered battery NNTN7034A and belt clip NTN8266B at center channel for each audio accessory PMLN5275A, RLN5882A and HMN4104A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 62.0 – (794-824MHz band) NAF5085A antenna and NNTN7034A battery.

TABLE 75

794-824MHz band assessments at the body (CW) – Assessment of NAF5085A antenna and NNTN7034A battery												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Ab-100422-11/Q0BME02S	NAF5085A	809.0000	NNTN7034A (130mm)	Against phantom	NTN8266B belt clip	PMLN5275A	3.63	-0.109	2.20	1.49	1.13	0.76
CM-Ab-100422-13/Q0BME02S	NAF5085A	809.0000	NNTN7034A (130mm)	Against phantom	NTN8266B belt clip	RLN5882A	3.63	-0.130	2.35	1.73	1.21	0.89
CM-Ab-100422-15/Q0BME02S	NAF5085A	809.0000	NNTN7034A (130mm)	Against phantom	NTN8266B belt clip	HMN4104A	3.63	-0.194	2.26	1.53	1.18	0.80

Assessments at the Body (50% duty cycle)

Test Flowchart pg 65 step 3; The DUT was tested with antenna NAF5085A, offered battery NNTN7038A and belt clip NTN8266B at center channel for each audio accessory PMLN5275A, RLN5882A and HMN4104A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 63.0 – (794-824MHz band) NAF5085A antenna and NNTN7038A battery.

TABLE 76

794-824MHz band assessments at the body (CW) – Assessment of NAF5085A antenna and NNTN7038A battery												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
CM-Ab-100422-16/Q0BME02S	NAF5085A	809.0000	NNTN7038A (85mm)	Against phantom	NTN8266B belt clip	PMLN5275A	3.63	-0.0907	2.53	1.87	1.29	0.95
CM-Ab-100422-17/Q0BME02S	NAF5085A	809.0000	NNTN7038A (85mm)	Against phantom	NTN8266B belt clip	RLN5882A	3.64	-0.080	2.51	1.86	1.28	0.95
CM-Ab-100422-18/Q0BME02S	NAF5085A	809.0000	NNTN7038A (85mm)	Against phantom	NTN8266B belt clip	HMN4104A	3.63	-0.0501	2.15	1.31	1.09	0.66

Assessments at the Body (50% duty cycle)

Test Flowchart pg 65 step 4; The DUT was tested with antenna NAF5085A, offered battery NNTN7033A and belt clip NTN8266B at center channel for each audio accessory PMLN5275A, RLN5882A and HMN4104A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 64.0 – (794-824MHz band) NAF5085A antenna and NNTN7033A battery.

TABLE 77

794-824MHz band assessments at the body (CW) – Assessment of NAF5085A antenna and NNTN7033A battery												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
CM-Ab-100422-19/Q0BME02S	NAF5085A	809.0000	NNTN7033A (130mm)	Against phantom	NTN8266B belt clip	PMLN5275A	3.64	-0.0691	2.34	1.55	1.19	0.79
HvH-Ab-100423-02/Q0BME02S	NAF5085A	809.0000	NNTN7033A (130mm)	Against phantom	NTN8266B belt clip	RLN5882A	3.63	-0.142	2.20	1.47	1.14	0.76
HvH-Ab-100423-03/Q0BME02S	NAF5085A	809.0000	NNTN7033A (130mm)	Against phantom	NTN8266B belt clip	HMN4104A	3.63	-0.123	2.11	1.41	1.09	0.73

Assessments at the Body (50% duty cycle)

Test Flowchart pg 66 step 5; The DUT was tested at all other applicable frequencies using the highest SAR configuration from tables 74-77. Refer to section 12.4 for additional test consideration details. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 65.0 – (794-824MHz band) NAF5085A antenna frequency Search

TABLE 78

794-824MHz band assessments at the body (CW) – Assessment of NAF5085A antenna frequency search												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Ab-100423-04/Q0BME02S	NAF5085A	794.0125	NNTN7038A (85mm)	Against phantom	NTN8266B belt clip	PMLN5275A	3.05	-0.0947	2.25	1.29	1.15	0.66
HvH-Ab-100423-05/Q0BME02S	NAF5085A	823.9875	NNTN7038A (85mm)	Against phantom	NTN8266B belt clip	PMLN5275A	3.69	-0.115	2.44	1.80	1.25	0.92

Assessments at the Body (50% duty cycle)

Test Flowchart pg 66 step 6; The DUT front and back sides were tested with 2.5cm separation distance from the phantom using the highest SAR configuration from tables 74-78. Refer to section 12.3.1 for 2.5cm test consideration details. The highest SAR result from the table below (bolded) is provided in APPENDIX F Section 66.0 - (794-824MHz band) 2.5cm separation with NAF5085A antenna.

TABLE 79

794-824MHz band assessments at the body (CW) - 2.5cm separation with NAF5085A antenna												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Ab-100423-06/Q0BME02S	NAF5085A	809.0000	NNTN7038A (85mm)	Back - Antenna @ 2.5cm	None	PMLN5275A	3.65	-0.142	4.61	3.30	2.38	1.70
HvH-Ab-100423-08/Q0BME02S	NAF5085A	809.0000	NNTN7038A (85mm)	Front - Radio @ 2.5cm	None	PMLN5275A	3.64	-0.159	1.51	1.12	0.78	0.58

Assessments at the Body (50% duty cycle)

Test Flowchart pg 66 step 7; The DUT was tested with antenna PMAS4000A, offered battery NNTN7036A and belt clip NTN8266B at center channel for each audio accessory PMLN5275A, RLN5882A and HMN4104A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 67.0 – (794-824MHz band) PMAS4000A antenna and NNTN7036A battery.

TABLE 80

794-824MHz band assessments at the body (CW) – Assessment of PMAS4000A antenna and NNTN7036A battery												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Ab-100425-03/Q0BME02S	PMAS4000A	809.000	NNTN7036A (137mm)	Against phantom	NTN8266B belt clip	PMLN5275A	3.65	-0.0480	2.22	1.62	1.12	0.819
HvH-Ab-100425-04/Q0BME02S	PMAS4000A	809.000	NNTN7036A (137mm)	Against phantom	NTN8266B belt clip	RLN5882A	3.65	-0.0712	2.02	1.33	1.03	0.676
HvH-Ab-100425-05/Q0BME02S	PMAS4000A	809.000	NNTN7036A (137mm)	Against phantom	NTN8266B belt clip	HMN4104A	3.65	-0.00261	2.25	1.64	1.13	0.820

Assessments at the Body (50% duty cycle)

Test Flowchart pg 66 step 8; The DUT was tested with antenna PMAS4000A, offered battery NNTN7034A and belt clip NTN8266B at center channel for each audio accessory PMLN5275A, RLN5882A and HMN4104A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 68.0 – (794-824MHz band) PMAS4000A antenna and NNTN7034A battery.

TABLE 81

794-824MHz band assessments at the body (CW) – Assessment of PMAS4000A antenna and NNTN7034A battery												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Ab-100425-06/Q0BME02S	PMAS4000A	809.0000	NNTN7034A (130mm)	Against phantom	NTN8266B belt clip	PMLN5275A	3.65	-0.0398	2.22	1.62	1.12	0.817
HvH-Ab-100425-07/Q0BME02S	PMAS4000A	809.0000	NNTN7034A (130mm)	Against phantom	NTN8266B belt clip	RLN5882A	3.65	-0.0366	2.16	1.43	1.09	0.721
HvH-Ab-100425-08/Q0BME02S	PMAS4000A	809.0000	NNTN7034A (130mm)	Against phantom	NTN8266B belt clip	HMN4104A	3.65	-0.0693	2.15	1.44	1.09	0.732

Assessments at the Body (50% duty cycle)

Test Flowchart pg 66 step 9; The DUT was tested with antenna PMAS4000A, offered battery NNTN7038A and belt clip NTN8266B at center channel for each audio accessory PMLN5275A, RLN5882A and HMN4104A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 69.0 – (794-824MHz band) PMAS4000A antenna and NNTN7038A battery.

TABLE 82

794-824MHz band assessments at the body (CW) – Assessment of PMAS4000A antenna and NNTN7038A battery												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Ab-100425-09/Q0BME02S	PMAS4000A	809.0000	NNTN7038A (85mm)	Against phantom	NTN8266B belt clip	PMLN5275A	3.65	-0.00824	2.14	1.56	1.07	0.781
HvH-Ab-100425-10/Q0BME02S	PMAS4000A	809.0000	NNTN7038A (85mm)	Against phantom	NTN8266B belt clip	RLN5882A	3.65	-0.00924	2.14	1.56	1.07	0.782
HvH-Ab-100425-11/Q0BME02S	PMAS4000A	809.0000	NNTN7038A (85mm)	Against phantom	NTN8266B belt clip	HMN4104A	3.65	0.00596	2.18	1.59	1.09	0.795

Assessments at the Body (50% duty cycle)

Test Flowchart pg 66 step 10; The DUT was tested with antenna PMAS4000A, offered battery NNTN7033A and belt clip NTN8266B at center channel for each audio accessory PMLN5275A, RLN5882A and HMN4104A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 70.0 – (794-824MHz band) PMAS4000A antenna and NNTN7033A battery.

TABLE 83

794-824MHz band assessments at the body (CW) – Assessment of PMAS4000A antenna and NNTN7033A battery												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Ab-100425-12/Q0BME02S	PMAS4000A	809.0000	NNTN7033A (130mm)	Against phantom	NTN8266B belt clip	PMLN5275A	3.65	-0.00372	2.06	1.35	1.03	0.676
HvH-Ab-100425-13/Q0BME02S	PMAS4000A	809.0000	NNTN7033A (130mm)	Against phantom	NTN8266B belt clip	RLN5882A	3.65	-0.0324	2.15	1.40	1.08	0.705
HvH-Ab-100425-14/Q0BME02S	PMAS4000A	809.0000	NNTN7033A (130mm)	Against phantom	NTN8266B belt clip	HMN4104A	3.65	-0.0233	2.21	1.45	1.11	0.729

Assessments at the Body (50% duty cycle)

Test Flowchart pg 66 step 11; The DUT was tested at all other applicable frequencies using the highest SAR configuration from tables 80-83. Refer to section 12.4 for additional test consideration details. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 71.0 – (794-824MHz band) PMAS4000A antenna frequency Search

TABLE 84

794-824MHz band assessments at the body (CW) – Antenna PMAS4000A frequency search												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Ab-100425-15/Q0BME02S	PMAS4000A	794.0125	NNTN7036A (137mm)	Against phantom	NTN8266B belt clip	HMN4104A	3.05	-0.0347	1.72	1.26	0.87	0.635
HvH-Ab-100425-16/Q0BME02S	PMAS4000A	823.9875	NNTN7036A (137mm)	Against phantom	NTN8266B belt clip	HMN4104A	3.71	-0.122	3.11	2.08	1.60	1.07

Assessments at the Body (50% duty cycle)

Test Flowchart pg 66 step 12; The DUT front and back sides were tested with 2.5cm separation distance from the phantom using the highest SAR configuration from tables 80-84. Refer to section 12.3.1 for 2.5cm test consideration details. The highest SAR result from the table below (bolded) is provided in APPENDIX F Section 72.0 - (794-824MHz band) 2.5cm separation with PMAS4000A antenna.

TABLE 85

794-775 MHz band assessments at the body (CW) - 2.5cm separation												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
CM-Ab-100425-17/Q0BME02S	PMAS4000A	823.9875	NNTN7036A (137mm)	Back - Antenna @ 2.5cm	None	HMN4104A	3.69	-0.155	3.52	2.52	1.82	1.31
CM-Ab-100425-19/Q0BME02S	PMAS4000A	823.9875	NNTN7036A (137mm)	Front - Radio @ 2.5cm	None	HMN4104A	3.70	0.00198	1.07	0.794	0.535	0.397

Assessments at the Body (50% duty cycle)

Test Flowchart pg 66 step 13; Offered PSM PMMN4061A was tested using antenna PMAF4002A and belt clip 4205823V01 with each of the offered batteries NNTN7036A, NNTN7034A, NNTN7038A and NNTN7033A at center channel. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 73.0 – (794-824MHz band) PSM PMMN4061A with PMAF4002A antenna and offered batteries.

TABLE 86

794-824MHz band assessments at the body (CW) – Assessment of PSM PMMN4061A with PMAF4002A antenna and offered batteries												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
CM-Ab-100426-18/Q0BME02S	PMAF4002A	809.000	NNTN7036A (137mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4061A	3.64	-0.909	5.88	3.76	3.62	2.32
CM-Ab-100426-19/Q0BME02S	PMAF4002A	809.000	NNTN7034A (130mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4061A	3.62	-0.751	6.98	4.47	4.15	2.66
CM-Ab-100426-20/Q0BME02S	PMAF4002A	809.000	NNTN7038A (85mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4061A	3.63	-0.879	6.82	4.32	4.17	2.64
CM-Ab-100426-21/Q0BME02S	PMAF4002A	809.000	NNTN7033A (130mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4061A	3.64	-0.793	6.37	4.07	3.82	2.44

Assessments at the Body (50% duty cycle)

Test Flowchart pg 66 step 14; Offered PSM PMMN4061A was tested at all other applicable frequencies using the highest SAR configuration from table 86 above. Refer to section 12.4 for additional test consideration details. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 74.0 – (794-824MHz band) PSM PMMN4061A with PMAF4002A antenna frequency search.

TABLE 87

794-824MHz band assessments at the body (CW) – PSM PMMN4061A with PMAF4002A frequency search												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
CM-Ab-100426-22/Q0BME02S	PMAF4002A	794.0125	NNTN7038A (85mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4061A	3.03	-0.801	7.74	4.99	4.65	3.00
CM-Ab-100426-23/Q0BME02S	PMAF4002A	823.9875	NNTN7038A (85mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4061A	3.69	-0.216	6.55	4.11	3.44	2.16

Assessments at the Body (50% duty cycle)

Test Flowchart pg 66 step 15; Offered PSM PMMN4060A was tested using antenna PMAF4002A and belt clip 4205823V01 with each of the offered batteries NNTN7036A, NNTN7034A, NNTN7038A and NNTN7033A at center channel. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 75.0 – (794-824MHz band) PSM PMMN4060A with PMAF4002A antenna and offered batteries.

TABLE 88

794-775 MHz band assessments at the body (CW) – Assessment of PSM PMMN4060A with PMAF4002A antenna and offered batteries												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Ab-100427-11/Q0BME02S	PMAF4002A	809.000	NNTN7036A (137mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4060A	3.64	-1.08	4.18	2.73	2.68	1.75
HvH-Ab-100427-12/Q0BME02S	PMAF4002A	809.000	NNTN7034A (130mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4060A	3.64	-0.711	4.98	3.25	2.93	1.91
HvH-Ab-100427-15/Q0BME02S	PMAF4002A	809.000	NNTN7038A (85mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4060A	3.63	-0.633	4.99	3.27	2.89	1.89
HvH-Ab-100427-14/Q0BME02S	PMAF4002A	809.000	NNTN7033A (130mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4060A	3.64	-0.707	4.60	3.00	2.71	1.77

Assessments at the Body (50% duty cycle)

Test Flowchart pg 66 step 16; Offered PSM PMMN4060A was tested at all other applicable frequencies using the highest SAR configuration from table 88 above. Refer to section 12.4 for additional test consideration details. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 76.0 – (794-824MHz band) PSM PMMN4060A with PMAF4002A antenna frequency search.

TABLE 89

794-824MHz band assessments at the body (CW) – PSM PMMN4060A with PMAF4002A antenna frequency search												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Ab-100427-16/Q0BME02S	PMAF4002A	794.0125	NNTN7034A (130mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4060A	3.05	-0.0858	5.08	3.42	2.59	1.74
CM-Ab-100427-17/Q0BME02S	PMAF4002A	823.9875	NNTN7034A (130mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4060A	3.71	-0.771	4.06	2.57	2.42	1.53

Assessments at the Face (50% duty cycle)

Test Flowchart pg 67 step 1; The DUT was tested with antenna NAF5085A with each of the offered batteries NNTN7036A, NNTN7034A, NNTN7038A and NNTN7033A at center channel with the DUT front side separated 2.5cm from the phantom. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 77.0 – (794-824MHz band) DUT front side with NAF5085A antenna and offered batteries.

TABLE 90

794-824MHz band assessments at the face (CW) – DUT front side with NAF5085A antenna and offered batteries												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
CM-Face-100428-17/Q0BME02S	NAF5085A	809.000	NNTN7036A (137mm)	Front @ 2.5cm	None	None	3.62	-0.125	1.52	1.12	0.78	0.58
CM-Face-100428-18/Q0BME02S	NAF5085A	809.000	NNTN7034A (130mm)	Front @ 2.5cm	None	None	3.60	-0.219	1.43	1.06	0.75	0.56
CM-Face-100428-19/Q0BME02S	NAF5085A	809.000	NNTN7038A (85mm)	Front @ 2.5cm	None	None	3.62	-0.191	1.43	1.06	0.75	0.55
CM-Face-100428-20/Q0BME02S	NAF5085A	809.000	NNTN7033A (130mm)	Front @ 2.5cm	None	None	3.62	-0.115	1.39	1.03	0.71	0.53

Assessments at the Face (50% duty cycle)

Test Flowchart pg 67 step 2; The DUT was tested with antenna NAF5085A with each of the offered batteries NNTN7036A, NNTN7034A, NNTN7038A and NNTN7033A at center channel with the DUT back side separated 2.5cm from the phantom. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 78.0 – (794-824MHz band) DUT back side with NAF5085A antenna and offered batteries.

TABLE 91

794-824MHz band assessments at the face (CW) – DUT back side with NAF5085A antenna and offered batteries												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Face-100429-02/Q0BME02S	NAF5085A	809.0000	NNTN7036A (137mm)	Back @ 2.5cm	None	None	3.62	-0.0942	1.34	0.990	0.68	0.51
HvH-Face-100429-03/Q0BME02S	NAF5085A	809.0000	NNTN7034A (130mm)	Back @ 2.5cm	None	None	3.63	-0.129	1.30	0.961	0.67	0.49
HvH-Face-100429-05/Q0BME02S	NAF5085A	809.0000	NNTN7038A (85mm)	Back @ 2.5cm	None	None	3.63	-0.156	1.28	0.948	0.66	0.49
HvH-Face-100429-04/Q0BME02S	NAF5085A	809.0000	NNTN7033A (130mm)	Back @ 2.5cm	None	None	3.62	-0.0804	1.30	0.963	0.66	0.49

Assessments at the Face (50% duty cycle)

Test Flowchart pg 67 step 3; The DUT was tested with antenna NAF5085A at the center channel for each of the offered batteries NNTN7036A, NNTN7034A, NNTN7038A and NNTN7033A with the DUT front side separated 2.5cm from the phantom using audio accessory RLN5878A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 79.0 – (794-824MHz band) DUT front side with NAF5085A antenna RLN5878A audio accessory.

TABLE 92

794-824MHz band assessments at the face (CW) – DUT front side with NAF5085A antenna and RLN5978A audio accessory.												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
CM-Face-100429-10/Q0BME02S	NAF5085A	809.0000	NNTN7036A (137mm)	Front @ 2.5cm	None	RLN5878A	3.72	-0.107	1.12	0.825	0.57	0.42
CM-Face-100429-11/Q0BME02S	NAF5085A	809.0000	NNTN7034A (130mm)	Front @ 2.5cm	None	RLN5878A	3.68	-0.126	1.08	0.796	0.56	0.41
CM-Face-100429-12/Q0BME02S	NAF5085A	809.0000	NNTN7038A (85mm)	Front @ 2.5cm	None	RLN5878A	3.71	-0.071	0.989	0.731	0.50	0.37
CM-Face-100429-13/Q0BME02S	NAF5085A	809.0000	NNTN7033A (130mm)	Front @ 2.5cm	None	RLN5878A	3.63	-0.0928	0.962	0.711	0.49	0.36

Assessments at the Face (50% duty cycle)

Test Flowchart pg 67 step 4; The DUT was tested with antenna NAF5085A at the center channel with the DUT back side separated 2.5cm from the phantom using audio accessory RLN5878A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 80.0 – (794-824MHz band) DUT back side with NAF5085A antenna and RLN5878A audio accessory.

TABLE 93

794-824MHz band assessments at the face (CW) – DUT back side with NAF5085A antenna and RLN5878A audio accessory												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Face-100429-07/Q0BME02S	NAF5085A	809.0000	NNTN7036A (137mm)	Back @ 2.5cm	None	RLN5878A	3.62	-0.141	1.01	0.745	0.52	0.38
HvH-Face-100429-08/Q0BME02S	NAF5085A	809.0000	NNTN7034A (130mm)	Back @ 2.5cm	None	RLN5878A	3.63	-0.103	1.02	0.754	0.52	0.39
HvH-Face-100429-06/Q0BME02S	NAF5085A	809.0000	NNTN7038A (85mm)	Back @ 2.5cm	None	RLN5878A	3.63	-0.0651	1.12	0.826	0.57	0.42
HvH-Face-100429-09/Q0BME02S	NAF5085A	809.0000	NNTN7033A (130mm)	Back @ 2.5cm	None	RLN5878A	3.63	-0.0356	1.01	0.748	0.51	0.38

Assessments at the Face (50% duty cycle)

Test Flowchart pg 67 step 5; The DUT was tested with antenna NAF5085A at all applicable frequencies using the highest SAR configuration from tables 90-93 above. Refer to section 12.4 for additional test consideration details. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 81.0 – (794-824MHz band) NAF5085A antenna frequency search.

TABLE 94

794-824MHz band assessments at the face (CW) – NAF5085A frequencies search												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
CM-Face-100429-14/Q0BME02S	NAF5085A	794.0125	NNTN7036A (137mm)	Front @ 2.5cm	None	None	3.04	-0.185	1.38	1.02	0.72	0.53
CM-Face-100429-15/Q0BME02S	NAF5085A	823.9875	NNTN7036A (137mm)	Front @ 2.5cm	None	None	3.67	-0.161	1.55	1.14	0.80	0.59

Assessments at the Face (50% duty cycle)

Test Flowchart pg 68 step 6; The DUT was tested with antenna PMAS4000A with each of the offered batteries NNTN7036A, NNTN7034A, NNTN7038A and NNTN7033A at center channel with the DUT front side separated 2.5cm from the phantom. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 82.0 – (794-824MHz band) DUT front side with PMAS4000A antenna and offered batteries.

TABLE 95

794-824MHz band assessments at the face (CW) – DUT front side with PMAS4000A antenna and offered batteries												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
MeC-Face-100501-16/Q0BME02S	PMAS4000A	809.0000	NNTN7036A (137mm)	Front @ 2.5cm	None	None	3.62	-0.296	1.040	0.763	0.56	0.41
MeC-Face-100501-17/Q0BME02S	PMAS4000A	809.0000	NNTN7034A (130mm)	Front @ 2.5cm	None	None	3.60	-0.274	0.925	0.683	0.49	0.36
MeC-Face-100501-19/Q0BME02S	PMAS4000A	809.0000	NNTN7038A (85mm)	Front @ 2.5cm	None	None	3.61	-0.259	0.709	0.523	0.38	0.28
MeC-Face-100501-18/Q0BME02S	PMAS4000A	809.0000	NNTN7033A (130mm)	Front @ 2.5cm	None	None	3.64	-0.175	0.979	0.721	0.51	0.38

Assessments at the Face (50% duty cycle)

Test Flowchart pg 68 step 7; The DUT was tested with antenna PMAS4000A with each of the offered batteries NNTN7036A, NNTN7034A, NNTN7038A and NNTN7033A at center channel with the DUT back side separated 2.5cm from the phantom. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 83.0 – (794-824MHz band) DUT back side with PMAS4000A antenna and offered batteries.

TABLE 96

794-824MHz band assessments at the face (CW) – DUT back side with PMAS4000A and offered batteries												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
MeC-Face-100501-20/Q0BME02S	PMAS4000A	809.0000	NNTN7036A (137mm)	Back @ 2.5cm	None	None	3.65	-0.090	1.160	0.854	0.59	0.44
MeC-Face-100501-21/Q0BME02S	PMAS4000A	809.0000	NNTN7034A (130mm)	Back @ 2.5cm	None	None	3.62	-0.111	1.14	0.842	0.59	0.43
JsT-Face-100502-02/Q0BME02S	PMAS4000A	809.0000	NNTN7038A (85mm)	Back @ 2.5cm	None	None	3.68	-0.168	1.01	0.739	0.53	0.38
MeC-Face-100501-22/Q0BME02S	PMAS4000A	809.0000	NNTN7033A (130mm)	Back @ 2.5cm	None	None	3.64	-0.108	1.13	0.833	0.58	0.43

Assessments at the Face (50% duty cycle)

Test Flowchart pg 66 step 8; The DUT was tested with antenna PMAS4000A at the center channel for each of the offered batteries NNTN7036A, NNTN7034A, NNTN7038A and NNTN7033A with the DUT front side separated 2.5cm from the phantom using audio accessory RLN5878A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 84.0 – (794-824MHz band) DUT front side with PMAS4000A antenna and RLN5878A audio accessory.

TABLE 97

794-824MHz band assessments at the face (CW) – DUT front side with PMAS4000A and RLN5878A audio accessory												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
JsT-Face-100502-07/Q0BME02S	PMAS4000A	809.0000	NNTN7036A (137mm)	Front @ 2.5cm	None	RLN5878A	3.65	-0.107	0.823	0.605	0.42	0.31
JsT-Face-100502-08/Q0BME02S	PMAS4000A	809.0000	NNTN7034A (130mm)	Front @ 2.5cm	None	RLN5878A	3.64	-0.0599	0.750	0.551	0.38	0.28
JsT-Face-100502-10/Q0BME02S	PMAS4000A	809.0000	NNTN7038A (85mm)	Front @ 2.5cm	None	RLN5878A	3.65	-0.0562	0.747	0.550	0.38	0.28
JsT-Face-100502-09/Q0BME02S	PMAS4000A	809.0000	NNTN7033A (130mm)	Front @ 2.5cm	None	RLN5878A	3.64	-0.0647	0.770	0.568	0.39	0.29

Assessments at the Face (50% duty cycle)

Test Flowchart pg 68 step 9; The DUT was tested with antenna PMAS4000A at the center channel with the DUT back side separated 2.5cm from the phantom using audio accessory RLN5878A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 85.0 –(794-824MHz band) DUT back side with PMAS4000A antenna and RLN5878A audio accessory.

TABLE 98

794-824MHz band assessments at the face (CW) – DUT back side with PMAS4000A antenna and RLN5878A audio accessories												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
JsT-Face-100502-04/Q0BME02S	PMAS4000A	809.0000	NNTN7036A (137mm)	Back @ 2.5cm	None	RLN5878A	3.64	0.0819	0.922	0.676	0.46	0.34
JsT-Face-100502-05/Q0BME02S	PMAS4000A	809.0000	NNTN7034A (130mm)	Back @ 2.5cm	None	RLN5878A	3.65	0.0377	0.878	0.645	0.44	0.32
JsT-Face-100502-03/Q0BME02S	PMAS4000A	809.0000	NNTN7038A (85mm)	Back @ 2.5cm	None	RLN5878A	3.66	-0.285	0.805	0.591	0.43	0.32
JsT-Face-100502-06/Q0BME02S	PMAS4000A	809.0000	NNTN7033A (130mm)	Back @ 2.5cm	None	RLN5878A	3.65	-0.0204	0.812	0.598	0.41	0.30

Assessments at the Face (50% duty cycle)

Test Flowchart pg 68 step 10; The DUT was tested with antenna PMAS4000A at all other applicable frequencies using the highest SAR configuration from tables 95-98 with the DUT back side separated 2.5cm from the phantom using audio accessory RLN5878A. Refer to section 12.4 for additional test consideration details. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 86.0 – (794-824MHz band) PMAS4000A antenna frequency search.

TABLE 99

794-824MHz band assessments at the face (CW) – PMAS4000A antenna frequency search												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
JsT-Face-100502-11/Q0BME02S	PMAS4000A	794.0125	NNTN7036A (137mm)	Back @ 2.5cm	None	None	3.05	-0.0659	0.815	0.600	0.41	0.31
JsT-Face-100502-12/Q0BME02S	PMAS4000A	823.9875	NNTN7036A (137mm)	Back @ 2.5cm	None	None	3.69	0.0724	0.865	0.639	0.43	0.32

Assessments at the Face (50% duty cycle)

Test Flowchart pg 69 steps 11; Offered PSM PMMN4061A was tested using antenna PMAF4002A with each of the offered batteries NNTN7036A, NNTN7034A, NNTN7038A and NNTN7033A at center channel. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 87.0 – (794-824MHz band) PSM PMMN4061A with PMAF4002A antenna and offered batteries.

TABLE 100

794-824MHz band assessments at the face (CW) – PSM PMMN4061A with PMAF4002A antenna and offered batteries												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Face-100504-07/Q0BME02S	PMAF4002A	809.0000	NNTN7036A (137mm)	Front @ 2.5cm	None	PMMN4061A	3.65	-0.954	1.64	1.19	1.02	0.74
HvH-Face-100504-08/Q0BME02S	PMAF4002A	809.0000	NNTN7034A (130mm)	Front @ 2.5cm	None	PMMN4061A	3.66	-0.706	2.13	1.55	1.25	0.91
HvH-Face-100504-09/Q0BME02S	PMAF4002A	809.0000	NNTN7038A (85mm)	Front @ 2.5cm	None	PMMN4061A	3.66	-0.823	2.20	1.60	1.33	0.97
HvH-Face-100504-10/Q0BME02S	PMAF4002A	809.0000	NNTN7033A (130mm)	Front @ 2.5cm	None	PMMN4061A	3.65	-0.708	1.92	1.40	1.13	0.82

Assessments at the Face (50% duty cycle)

Test Flowchart pg 69 steps 12; Offered PSM PMMN4061A was tested at all other applicable frequencies using the highest SAR configuration from table 100 above. Refer to section 12.4 for additional test consideration details. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 88.0 – (794-824MHz band) PSM PMMN4061A with PMAF4002A antenna frequency search.

TABLE 101

794-824MHz band assessments at the face (CW) – PSM PMMN4061A with PMAF4002A antenna frequency search												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Face-100504-11/Q0BME02S	PMAF4002A	794.0125	NNTN7038A (85mm)	Front @ 2.5cm	None	PMMN4061A	3.04	-0.465	2.75	2.01	1.53	1.12
MeC-Face-100504-12/Q0BME02S	PMAF4002A	823.9875	NNTN7038A (85mm)	Front @ 2.5cm	None	PMMN4061A	3.69	-0.185	1.77	1.29	0.92	0.67

Assessments at the Face (50% duty cycle)

Test Flowchart pg 69 steps 13; Offered PSM PMMN4060A was tested using antenna PMAF4002A with each of the offered batteries NNTN7036A, NNTN7034A, NNTN7038A and NNTN7033A at center channel. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 89.0 – (794-824MHz band) PSM PMMN4060A with PMAF4002A antenna and offered batteries.

TABLE 102

794-824MHz band assessments at the face (CW) – PSM PMMN4060A with PMAF4002 antenna and offered batteries												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Face-100505-08/Q0BME02S	PMAF4002A	809.0000	NNTN7036A (137mm)	Front @ 2.5cm	None	PMMN4060A	3.64	-1.11	1.32	0.964	0.85	0.62
HvH-Face-100505-09/Q0BME02S	PMAF4002A	809.0000	NNTN7034A (130mm)	Front @ 2.5cm	None	PMMN4060A	3.65	-0.727	1.62	1.19	0.96	0.70
HvH-Face-100505-10/Q0BME02S	PMAF4002A	809.0000	NNTN7038A (85mm)	Front @ 2.5cm	None	PMMN4060A	3.63	-0.720	1.56	1.14	0.92	0.67
HvH-Face-100505-11/Q0BME02S	PMAF4002A	809.0000	NNTN7033A (130mm)	Front @ 2.5cm	None	PMMN4060A	3.63	-0.662	1.46	1.07	0.85	0.62

Assessments at the Face (50% duty cycle)

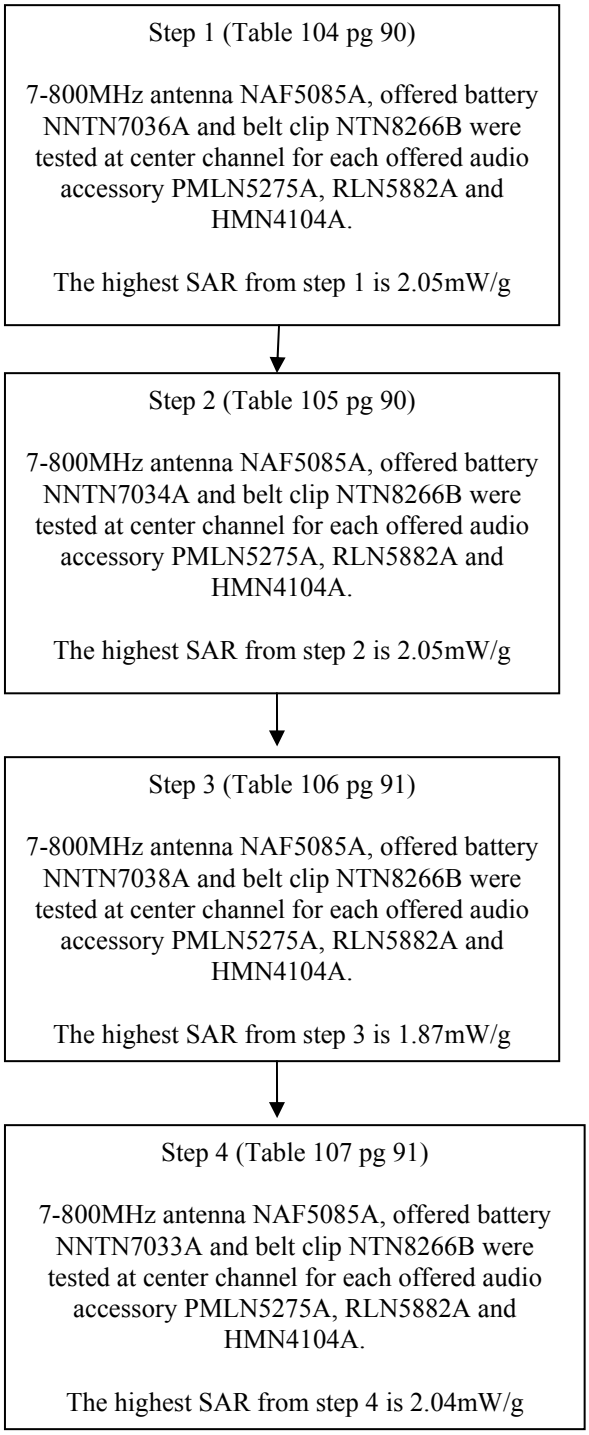
Test Flowchart pg 69 steps 14; Offered PSM PMMN4060A was tested at all other applicable frequencies using the highest SAR configuration from table 102 above. Refer to section 12.4 for additional test consideration details. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 90.0 – (794-824MHz band) PSM PMMN4060A with PMAF4002A antenna frequency search.

TABLE 103

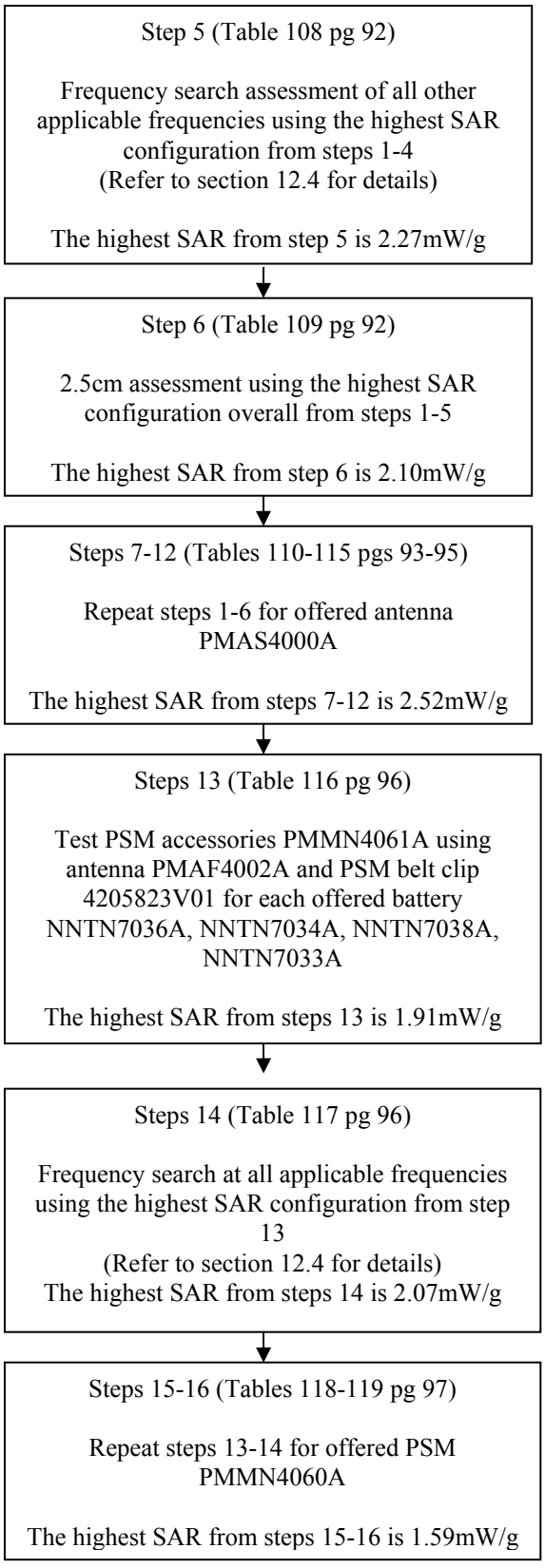
794-824MHz band assessments at the face (CW) – PSM PMMN4060A with PMAF4002A antenna frequency search												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Face-100505-12/Q0BME02S	PMAF4002A	794.0125	NNTN7034A (130mm)	Front @ 2.5cm	None	PMMN4060A	3.05	-0.0467	1.92	1.40	0.97	0.71
HvH-Face-100505-13/Q0BME02S	PMAF4002A	823.9875	NNTN7034A (130mm)	Front @ 2.5cm	None	PMMN4060A	3.70	-0.751	1.31	0.957	0.78	0.57

13.7 851-870MHz Test Flowchart Summary

DUT Body Test Methodology

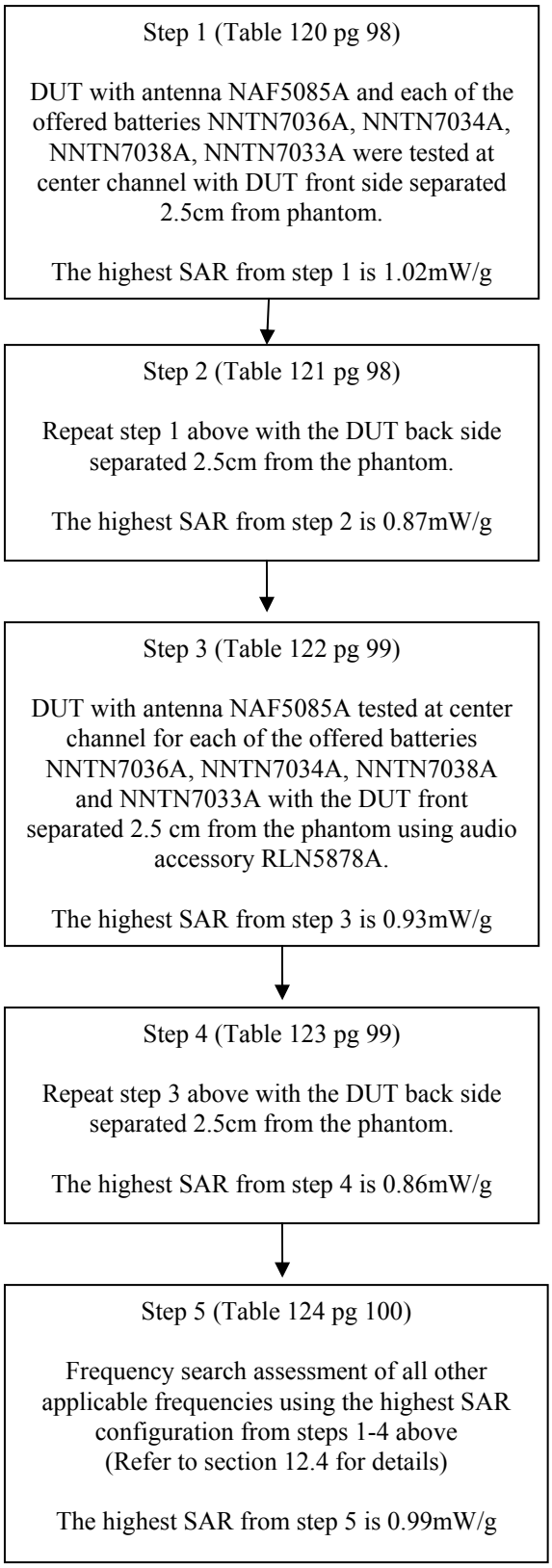


DUT Body Test Methodology (Continued)

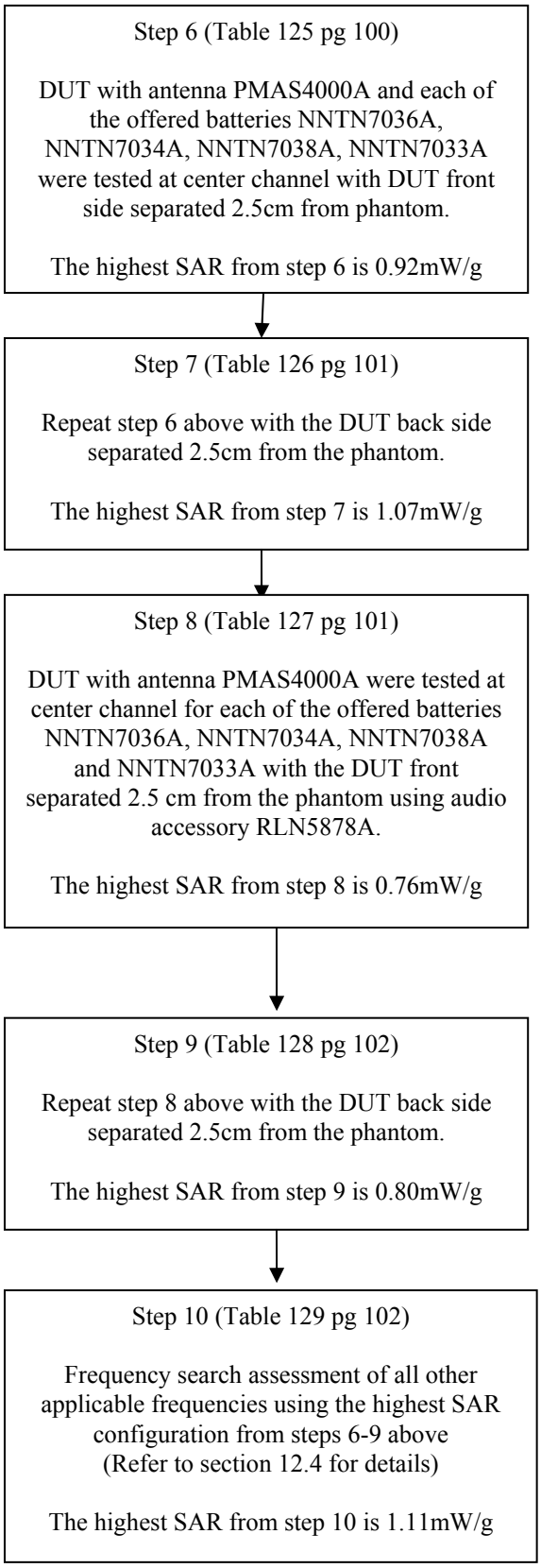


The highest SAR from the body tests above is: 2.52mW/g

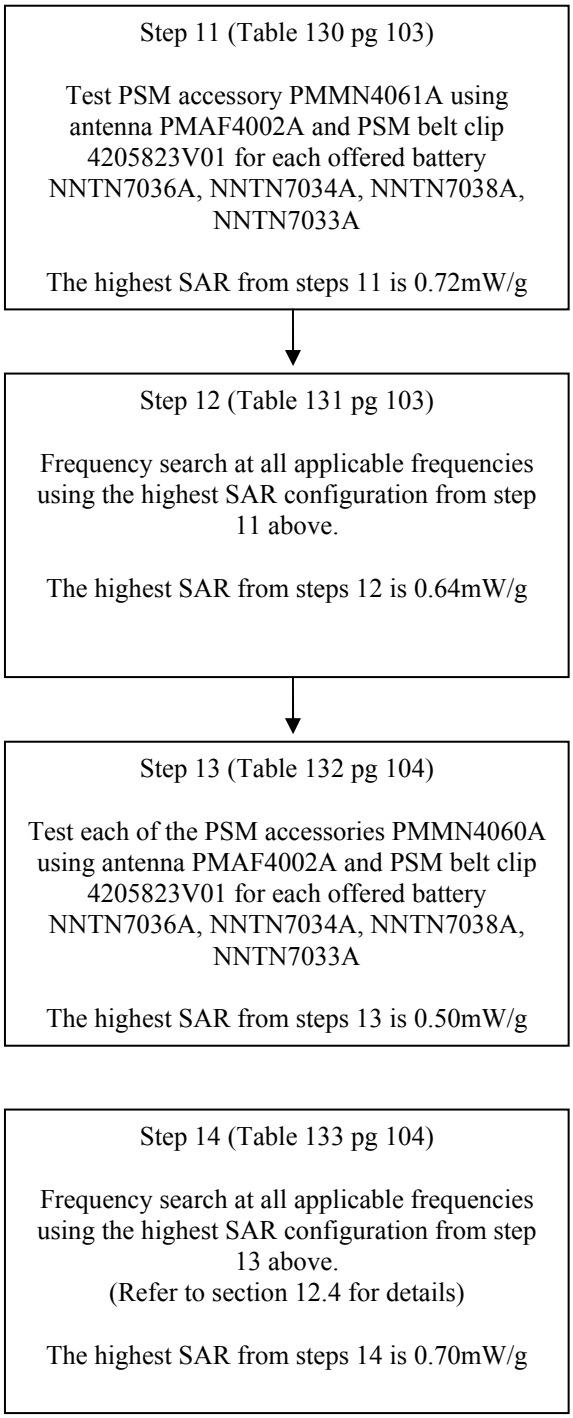
DUT Face Test Methodology



DUT Face Test Methodology (Continued)



DUT Face Test Methodology (Continued)



The highest SAR at the Face from above is: 1.11mW/g

13.8 851-870MHz Test Data

***Results for frequencies 869-870MHz are outside the FCC frequency allocation.**

Assessments at the Body (50% duty cycle)

Test Flowchart pg 85 step 1; The DUT was tested with antenna NAF5085A, offered battery NNTN7036A and belt clip NTN8266B at center channel for each audio accessory PMLN5275A, RLN5882A and HMN4104A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 91.0 – (851-870MHz band) NAF5085A antenna and NNTN7036A battery.

TABLE 104

851-870MHz band assessments at the body (CW) – Assessment of NAF5085A antenna and NNTN7036A battery												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Ab-100423-09/Q0BME02S	NAF5085A	860.5000	NNTN7036A (137mm)	Against phantom	NTN8266B belt clip	PMLN5275A	3.73	-0.0958	3.71	2.46	1.90	1.26
HvH-Ab-100423-10/Q0BME02S	NAF5085A	860.5000	NNTN7036A (137mm)	Against phantom	NTN8266B belt clip	RLN5882A	3.74	-0.136	3.98	2.63	2.05	1.36
CM-Ab-100423-11/Q0BME02S	NAF5085A	860.5000	NNTN7036A (137mm)	Against phantom	NTN8266B belt clip	HMN4104A	3.71	-0.090	3.67	2.49	1.87	1.27

Assessments at the Body (50% duty cycle)

Test Flowchart pg 85 step 2; The DUT was tested with antenna NAF5085A, offered battery NNTN7034A and belt clip NTN8266B at center channel for each audio accessory PMLN5275A, RLN5882A and HMN4104A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 92.0 – (851-870MHz band) NAF5085A antenna and NNTN7034A battery.

TABLE 105

851-870MHz band assessments at the body (CW) – Assessment of NAF5085A antenna and NNTN7034A battery												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
CM-Ab-100423-12/Q0BME02S	NAF5085A	860.5000	NNTN7034A (130mm)	Against phantom	NTN8266B belt clip	PMLN5275A	3.72	-0.0533	3.60	2.37	1.82	1.20
CM-Ab-100423-14/Q0BME02S	NAF5085A	860.5000	NNTN7034A (130mm)	Against phantom	NTN8266B belt clip	RLN5882A	3.73	-0.087	4.01	2.60	2.05	1.33
CM-Ab-100423-16/Q0BME02S	NAF5085A	860.5000	NNTN7034A (130mm)	Against phantom	NTN8266B belt clip	HMN4104A	3.71	-0.116	3.80	2.52	1.95	1.29

Assessments at the Body (50% duty cycle)

Test Flowchart pg 85 step 3; The DUT was tested with antenna NAF5085A, offered battery NNTN7038A and belt clip NTN8266B at center channel for each audio accessory PMLN5275A, RLN5882A and HMN4104A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 93.0 – (851-870MHz band) NAF5085A antenna and NNTN7038A battery.

TABLE 106

851-870MHz band assessments at the body (CW) – Assessment of NAF5085A antenna and NNTN7038A battery												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
MeC-Ab-100506-16/Q0BME02S	NAF5085A	860.5000	NNTN7038A (85mm)	Against phantom	NTN8266B belt clip	PMLN5275A	3.72	0.0610	3.27	2.14	1.64	1.07
CM-Ab-100423-19/Q0BME02S	NAF5085A	860.5000	NNTN7038A (85mm)	Against phantom	NTN8266B belt clip	RLN5882A	3.71	-0.0739	3.68	2.33	1.87	1.18
HvH-Ab-100424-03/Q0BME02S	NAF5085A	860.5000	NNTN7038A (85mm)	Against phantom	NTN8266B belt clip	HMN4104A	3.73	-0.139	3.63	2.27	1.87	1.17

Assessments at the Body (50% duty cycle)

Test Flowchart pg 85 step 4; The DUT was tested with antenna NAF5085A, offered battery NNTN7033A and belt clip NTN8266B at center channel for each audio accessory PMLN5275A, RLN5882A and HMN4104A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 94.0 – (851-870MHz band) NAF5085A antenna and NNTN7033A battery.

TABLE 107

851-870MHz band assessments at the body (CW) – Assessment of NAF5085A antenna and NNTN7033A battery												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Ab-100424-05/Q0BME02S	NAF5085A	860.5000	NNTN7033A (130mm)	Against phantom	NTN8266B belt clip	PMLN5275A	3.72	-0.138	3.81	2.51	1.97	1.30
HvH-Ab-100424-06/Q0BME02S	NAF5085A	860.5000	NNTN7033A (130mm)	Against phantom	NTN8266B belt clip	RLN5882A	3.72	-0.107	3.98	2.61	2.04	1.34
HvH-Ab-100424-07/Q0BME02S	NAF5085A	860.5000	NNTN7033A (130mm)	Against phantom	NTN8266B belt clip	HMN4104A	3.72	-0.147	3.81	2.53	1.97	1.31

Assessments at the Body (50% duty cycle)

Test Flowchart pg 86 step 5; The DUT was tested at all other applicable frequencies using the highest SAR configuration from tables 104-107. Refer to section 12.4 for additional test consideration details. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 95.0 – (851-870MHz band) NAF5085A antenna frequency search.

TABLE 108

851-870MHz band assessments at the body (CW) – Assessment of NAF5085A antenna frequency search												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Ab-100424-08/Q0BME02S	NAF5085A	851.0125	NNTN7036A (137mm)	Against phantom	NTN8266B belt clip	RLN5882A	3.73	-0.115	3.51	2.32	1.80	1.19
HvH-Ab-100424-09/Q0BME02S	NAF5085A	869.9875	NNTN7036A (137mm)	Against phantom	NTN8266B belt clip	RLN5882A	3.75	-0.133	4.40	2.67	2.27	1.38

Assessments at the Body (50% duty cycle)

Test Flowchart pg 86 step 6; The DUT front and back sides were tested with 2.5cm separation distance from the phantom using the highest SAR configuration from tables 104-108. Refer to section 12.3.1 for 2.5cm test consideration details. The highest SAR result from the table below (bolded) is provided in APPENDIX F Section 96.0 - (851-870MHz band) 2.5cm separation with NAF5085A antenna.

TABLE 109

851-870MHz band assessments at the body (CW) - 2.5cm separation with NAF5085A antenna												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Ab-100424-11/Q0BME02S	NAF5085A	869.9875	NNTN7036A (137mm)	Back - Antenna @ 2.5cm	None	RLN5882A	3.75	-0.130	4.07	2.87	2.10	1.48
HvH-Ab-100424-13/Q0BME02S	NAF5085A	869.9875	NNTN7036A (137mm)	Front - Radio @ 2.5cm	None	RLN5882A	3.74	-0.171	1.38	1.02	0.72	0.530

Assessments at the Body (50% duty cycle)

Test Flowchart pg 86 step 7; The DUT was tested with antenna PMAS4000A, offered battery NNTN7036A and belt clip NTN8266B at center channel for each audio accessory PMLN5275A, RLN5882A and HMN4104A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 97.0 – (851-870MHz band) PMAS4000A antenna and NNTN7036A battery.

TABLE 110

851-870MHz band assessments at the body (CW) – Assessment of PMAS4000A antenna and NNTN7036A battery												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
CM-Ab-100425-20/Q0BME02S	PMAS4000A	860.500	NNTN7036A (137mm)	Against phantom	NTN8266B belt clip	PMLN5275A	3.71	-0.211	4.48	2.90	2.35	1.52
CM-Ab-100425-21/Q0BME02S	PMAS4000A	860.500	NNTN7036A (137mm)	Against phantom	NTN8266B belt clip	RLN5882A	3.71	-0.192	4.82	3.08	2.52	1.61
CM-Ab-100425-22/Q0BME02S	PMAS4000A	860.500	NNTN7036A (137mm)	Against phantom	NTN8266B belt clip	HMN4104A	3.72	-0.234	4.54	2.97	2.40	1.57

Assessments at the Body (50% duty cycle)

Test Flowchart pg 86 step 8; The DUT was tested with antenna PMAS4000A, offered battery NNTN7034A and belt clip NTN8266B at center channel for each audio accessory PMLN5275A, RLN5882A and HMN4104A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 98.0 – (851-870MHz band) PMAS4000A antenna and NNTN7034A battery.

TABLE 111

851-870MHz band assessments at the body (CW) – Assessment of PMAS4000A antenna and NNTN7034A battery												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
CM-Ab-100425-23/Q0BME02S	PMAS4000A	860.500	NNTN7034A (130mm)	Against phantom	NTN8266B belt clip	PMLN5275A	3.78	-0.132	4.66	2.98	2.40	1.54
CM-Ab-100425-24/Q0BME02S	PMAS4000A	860.500	NNTN7034A (130mm)	Against phantom	NTN8266B belt clip	RLN5882A	3.74	-0.201	4.71	3.02	2.47	1.58
CM-Ab-100425-25/Q0BME02S	PMAS4000A	860.500	NNTN7034A (130mm)	Against phantom	NTN8266B belt clip	HMN4104A	3.76	-0.163	4.76	3.05	2.47	1.58

Assessments at the Body (50% duty cycle)

Test Flowchart pg 86 step 9; The DUT was tested with antenna PMAS4000A, offered battery NNTN7038A and belt clip NTN8266B at center channel for each audio accessory PMLN5275A, RLN5882A and HMN4104A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 99.0 – (851-870MHz band) PMAS4000A antenna and NNTN7038A battery.

TABLE 112

851-870MHz band assessments at the body (CW) – Assessment of PMAS4000A antenna and NNTN7038A battery												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
CM-Ab-100425-26/Q0BME02S	PMAS4000A	860.500	NNTN7038A (85mm)	Against phantom	NTN8266B belt clip	PMLN5275A	3.73	-0.100	3.92	2.47	2.01	1.26
CM-Ab-100425-27/Q0BME02S	PMAS4000A	860.500	NNTN7038A (85mm)	Against phantom	NTN8266B belt clip	RLN5882A	3.71	-0.166	4.66	2.85	2.42	1.48
JsT-Ab-100426-02/Q0BME02S	PMAS4000A	860.500	NNTN7038A (85mm)	Against phantom	NTN8266B belt clip	HMN4104A	3.72	-0.172	4.37	2.64	2.27	1.37

Assessments at the Body (50% duty cycle)

Test Flowchart pg 86 step 10; The DUT was tested with antenna PMAS4000A, offered battery NNTN7033A and belt clip NTN8266B at center channel for each audio accessory PMLN5275A, RLN5882A and HMN4104A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 100.0 – (851-870MHz band) PMAS4000A antenna and NNTN7033A battery.

TABLE 113

851-870MHz band assessments at the body (CW) – Assessment of PMAS4000A antenna and NNTN7033A battery												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
JsT-Ab-100426-03/Q0BME02S	PMAS4000A	860.500	NNTN7033A (130mm)	Against phantom	NTN8266B belt clip	PMLN5275A	3.71	-0.187	4.51	2.94	2.35	1.53
HvH-Ab-100426-04/Q0BME02S	PMAS4000A	860.500	NNTN7033A (130mm)	Against phantom	NTN8266B belt clip	RLN5882A	3.71	-0.190	4.78	3.11	2.50	1.62
HvH-Ab-100426-05/Q0BME02S	PMAS4000A	860.500	NNTN7033A (130mm)	Against phantom	NTN8266B belt clip	HMN4104A	3.71	-0.157	4.55	2.99	2.36	1.55

Assessments at the Body (50% duty cycle)

Test Flowchart pg 86 step 11; The DUT was tested at all other applicable frequencies using the highest SAR configuration from tables 110-113. Refer to section 12.4 for additional test consideration details. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 101.0 – (851-870MHz band) PMAS4000A antenna frequency search.

TABLE 114

851-870MHz band assessments at the body (CW) –PMAS4000A antenna frequency search												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Ab-100426-06/Q0BME02S	PMAS4000A	851.0125	NNTN7036A (137mm)	Against phantom	NTN8266B belt clip	RLN5882A	3.72	-0.155	4.81	3.12	2.49	1.62
HvH-Ab-100426-07/Q0BME02S	PMAS4000A	869.9875	NNTN7036A (137mm)	Against phantom	NTN8266B belt clip	RLN5882A	3.71	-0.143	4.43	2.88	2.29	1.49

Assessments at the Body (50% duty cycle)

Test Flowchart pg 86 step 12; The DUT front and back sides were tested with 2.5cm separation distance from the phantom using the highest SAR configuration from tables 110-114. Refer to section 12.3.1 for 2.5cm test consideration details. The highest SAR result from the table below (bolded) is provided in APPENDIX F Section 102.0 - (851-870MHz band) 2.5cm separation with PMAS4000A antenna.

TABLE 115

851-870MHz band assessments at the body (CW) - 2.5cm separation												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Ab-100426-08/Q0BME02S	PMAS4000A	860.5000	NNTN7036A (137mm)	Back - Antenna @ 2.5cm	None	RLN5882A	3.70	-0.171	3.66	2.59	1.90	1.35
HvH-Ab-100426-10/Q0BME02S	PMAS4000A	860.5000	NNTN7036A (137mm)	Front - Radio @ 2.5cm	None	RLN5882A	3.71	-0.216	1.12	0.825	0.59	0.43

Assessments at the Body (50% duty cycle)

Test Flowchart pg 86 step 13; Offered PSM PMMN4061A was tested using antenna PMAF4002A and belt clip 4205823V01 with each of the offered batteries NNTN7036A, NNTN7034A, NNTN7038A and NNTN7033A at center channel. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 103.0 – (851-870MHz band) PSM PMMN4061A with PMAF4002A antenna and offered batteries.

TABLE 116

851-870MHz band assessments at the body (CW) – Assessment of PSM PMMN4061A with PMAF4002A antenna and offered batteries												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
CM-Ab-100426-24/Q0BME02S	PMAF4002A	860.500	NNTN7036A (137mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4061A	3.70	-0.698	2.56	1.58	1.50	0.93
CM-Ab-100426-25/Q0BME02S	PMAF4002A	860.500	NNTN7034A (130mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4061A	3.72	-0.931	3.08	1.08	1.91	0.67
CM-Ab-100426-26/Q0BME02S	PMAF4002A	860.500	NNTN7038A (85mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4061A	3.72	-0.888	3.04	1.83	1.86	1.12
HvH-Ab-100427-02/Q0BME02S	PMAF4002A	860.500	NNTN7033A (130mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4061A	3.69	-0.772	3.02	1.84	1.80	1.10

Assessments at the Body (50% duty cycle)

Test Flowchart pg 86 step 14; Offered PSM PMMN4061A was tested at all other applicable frequencies using the highest SAR configuration from table 116 above. Refer to section 12.4 for additional test consideration details. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 104.0 – (851-870MHz band) PSM PMMN4061A with PMAF4002A antenna frequency search.

TABLE 117

851-870MHz band assessments at the body (CW) – PSM PMMN4061A with PMAF4002A antenna frequency search												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Ab-100427-03/Q0BME02S	PMAF4002A	851.0125	NNTN7034A (130mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4061A	3.70	-0.0522	4.09	2.49	2.07	1.26
HvH-Ab-100427-04/Q0BME02S	PMAF4002A	869.9875	NNTN7034A (130mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4061A	3.72	-0.798	2.52	1.55	1.51	0.93

Assessments at the Body (50% duty cycle)

Test Flowchart pg 86 step 15; Offered PSM PMMN4060A was tested using antenna PMAF4002A and belt clip 4205823V01 with each of the offered batteries NNTN7036A, NNTN7034A, NNTN7038A and NNTN7033A at center channel. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 105.0 – (851-870MHz band) PSM PMMN4060A with PMAF4002A antenna and offered batteries.

TABLE 118

851-870MHz band assessments at the body (CW) – Assessment of PSM PMMN4060A with PMAF4002A and offered batteries												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
CM-Ab-100427-18/Q0BME02S	PMAF4002A	860.500	NNTN7036A (137mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4060A	3.73	-0.136	1.89	1.14	0.98	0.59
CM-Ab-100427-19/Q0BME02S	PMAF4002A	860.500	NNTN7034A (130mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4060A	3.72	-0.122	1.89	1.13	0.97	0.58
CM-Ab-100427-20/Q0BME02S	PMAF4002A	860.500	NNTN7038A (85mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4060A	3.71	-0.102	1.87	1.11	0.96	0.57
CM-Ab-100427-21/Q0BME02S	PMAF4002A	860.500	NNTN7033A (130mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4060A	3.73	-0.121	1.89	1.14	0.97	0.59

Assessments at the Body (50% duty cycle)

Test Flowchart pg 86 step 16; Offered PSM PMMN4060A was tested at all other applicable frequencies using the highest SAR configuration from table 118 above. Refer to section 12.4 for additional test consideration details. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 106.0 – (851-870MHz band) PSM PMMN4060A with PMAF4002A antenna frequency search.

TABLE 119

851-870MHz band assessments at the body (CW) – PSM PMMN4060A with PMAF4002A antenna frequency search												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
CM-Ab-100427-22/Q0BME02S	PMAF4002A	851.0125	NNTN7036A (137mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4060A	3.71	-0.323	2.95	1.81	1.59	0.97
CM-Ab-100427-23/Q0BME02S	PMAF4002A	869.9875	NNTN7036A (137mm)	Against phantom	4205823V01 PSM Belt clip	PMMN4060A	3.77	-0.077	1.37	0.866	0.70	0.44

Assessments at the Face (50% duty cycle)

Test Flowchart pg 87 step 1; The DUT was tested with antenna NAF5085A with each of the offered batteries NNTN7036A, NNTN7034A, NNTN7038A and NNTN7033A at center channel with the DUT front side separated 2.5cm from the phantom. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 107.0 – (851-870MHz band) DUT front side with NAF5085A antenna and offered batteries.

TABLE 120

851-870MHz band assessments at the face (CW) – DUT front side with NAF5085A antenna and offered batteries												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
CM-Face-100429-16/Q0BME02S	NAF5085A	860.500	NNTN7036A (137mm)	Front @ 2.5cm	None	None	3.67	-0.117	1.86	1.36	0.96	0.70
CM-Face-100429-17/Q0BME02S	NAF5085A	860.500	NNTN7034A (130mm)	Front @ 2.5cm	None	None	3.65	-0.177	1.95	1.41	1.02	0.73
CM-Face-100429-18/Q0BME02S	NAF5085A	860.500	NNTN7038A (85mm)	Front @ 2.5cm	None	None	3.73	-0.0591	1.97	1.43	1.00	0.72
HvH-Face-100430-10/Q0BME02S	NAF5085A	860.500	NNTN7033A (130mm)	Front @ 2.5cm	None	None	3.72	-0.189	1.91	1.39	1.00	0.73

Assessments at the Face (50% duty cycle)

Test Flowchart pg 87 step 2; The DUT was tested with antenna NAF5085A with each of the offered batteries NNTN7036A, NNTN7034A, NNTN7038A and NNTN7033A at center channel with the DUT back side separated 2.5cm from the phantom. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 108.0 – (851-870MHz band) DUT back side with NAF5085A antenna and offered batteries.

TABLE 121

851-870MHz band assessments at the face (CW) – DUT back side with NAF5085A antenna and offered batteries												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Face-100430-02/Q0BME02S	NAF5085A	860.500	NNTN7036A (137mm)	Back @ 2.5cm	None	None	3.71	-0.119	1.70	1.24	0.874	0.64
HvH-Face-100430-03/Q0BME02S	NAF5085A	860.500	NNTN7034A (130mm)	Back @ 2.5cm	None	None	3.72	0.0971	1.73	1.27	0.865	0.64
HvH-Face-100430-09/Q0BME02S	NAF5085A	860.500	NNTN7038A (85mm)	Back @ 2.5cm	None	None	3.72	-0.0635	1.68	1.23	0.85	0.62
HvH-Face-100430-04/Q0BME02S	NAF5085A	860.500	NNTN7033A (130mm)	Back @ 2.5cm	None	None	3.71	-0.0942	1.65	1.21	0.84	0.62

Assessments at the Face (50% duty cycle)

Test Flowchart pg 87 step 3; The DUT was tested with antenna NAF5085A at the center channel for each of the offered batteries NNTN7036A, NNTN7034A, NNTN7038A and NNTN7033A with the DUT front side separated 2.5cm from the phantom using audio accessory RLN5878A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 109.0 – (851-870MHz band) DUT front side with NAF5085A antenna and RLN5878A audio accessory.

TABLE 122

851-870MHz band assessments at the face (CW) – DUT front side with NAF5085A antenna and RLN5878A audio accessory												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Face-100430-11/Q0BME02S	NAF5085A	860.500	NNTN7036A (137mm)	Front @ 2.5cm	None	RLN5878A	3.72	-0.085	1.59	1.16	0.81	0.59
CM-Face-100430-12/Q0BME02S	NAF5085A	860.500	NNTN7034A (130mm)	Front @ 2.5cm	None	RLN5878A	3.70	-0.0817	1.31	0.961	0.67	0.49
CM-Face-100430-13/Q0BME02S	NAF5085A	860.500	NNTN7038A (85mm)	Front @ 2.5cm	None	RLN5878A	3.77	-0.112	1.41	1.03	0.72	0.53
CM-Face-100430-14/Q0BME02S	NAF5085A	860.500	NNTN7033A (130mm)	Front @ 2.5cm	None	RLN5878A	3.71	-0.00295	1.86	1.35	0.93	0.68

Assessments at the Face (50% duty cycle)

Test Flowchart pg 87 step 4; The DUT was tested with antenna NAF5085A at the center channel with the DUT back side separated 2.5cm from the phantom using audio accessory RLN5878A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 110.0 – (851-870MHz band) DUT back side with NAF5085A antenna and RLN5878A audio accessory.

TABLE 123

851-870MHz band assessments at the face (CW) – DUT back side with NAF5085A antenna and RLN5878A audio accessory												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Face-100430-05/Q0BME02S	NAF5085A	860.500	NNTN7036A (137mm)	Back @ 2.5cm	None	RLN5878A	3.70	-0.0849	1.39	1.02	0.71	0.52
HvH-Face-100430-06/Q0BME02S	NAF5085A	860.500	NNTN7034A (130mm)	Back @ 2.5cm	None	RLN5878A	3.72	-0.169	1.43	1.05	0.74	0.55
HvH-Face-100430-08/Q0BME02S	NAF5085A	860.500	NNTN7038A (85mm)	Back @ 2.5cm	None	RLN5878A	3.73	-0.129	1.67	1.22	0.86	0.63
HvH-Face-100430-07/Q0BME02S	NAF5085A	860.500	NNTN7033A (130mm)	Back @ 2.5cm	None	RLN5878A	3.73	-0.096	1.42	1.04	0.73	0.53

Assessments at the Face (50% duty cycle)

Test Flowchart pg 87 step 5; The DUT was tested with antenna NAF5085A at all applicable frequencies using the highest SAR configuration from tables 120-123 above. Refer to section 12.4 for 2.5cm test consideration details. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 111.0 – (851-870MHz band) NAF5085A antenna frequency search.

TABLE 124

851-870MHz band assessments at the face (CW) – NAF5085A antenna frequencies search												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
CM-Face-100430-15/Q0BME02S	NAF5085A	851.0125	NNTN7034A (130mm)	Front @ 2.5cm	None	None	3.71	-0.172	1.91	1.39	0.99	0.72
CM-Face-100430-16/Q0BME02S	NAF5085A	869.9875	NNTN7034A (130mm)	Front @ 2.5cm	None	None	3.73	-0.181	1.71	1.25	0.89	0.65

Assessments at the Face (50% duty cycle)

Test Flowchart pg 88 step 6; The DUT was tested with antenna PMAS4000A with each of the offered batteries NNTN7036A, NNTN7034A, NNTN7038A and NNTN7033A at center channel with the DUT front side separated 2.5cm from the phantom. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 112.0 – (851-870MHz band) DUT front side with PMAS4000A antenna and offered batteries.

TABLE 125

851-870MHz band assessments at the face (CW) – DUT front side with PMAS4000A antenna and offered batteries												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
MeC-Face-100504-19/Q0BME02S	PMAS4000A	860.500	NNTN7036A (137mm)	Front @ 2.5cm	None	None	3.68	0.429	1.650	1.190	0.83	0.60
MeC-Face-100504-20/Q0BME02S	PMAS4000A	860.500	NNTN7034A (130mm)	Front @ 2.5cm	None	None	3.71	0.277	1.740	1.250	0.87	0.63
MeC-Face-100504-21/Q0BME02S	PMAS4000A	860.500	NNTN7038A (85mm)	Front @ 2.5cm	None	None	3.70	-0.423	1.170	0.837	0.65	0.46
MeC-Face-100504-22/Q0BME02S	PMAS4000A	860.500	NNTN7033A (130mm)	Front @ 2.5cm	None	None	3.69	0.906	1.840	1.320	0.92	0.66

Assessments at the Face (50% duty cycle)

Test Flowchart pg 88 step 7; The DUT was tested with antenna PMAS4000A with each of the offered batteries NNTN7036A, NNTN7034A, NNTN7038A and NNTN7033A at center channel with the DUT back side separated 2.5cm from the phantom. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 113.0 – (851-870MHz band) DUT back side with PMAS4000A antenna and offered batteries.

TABLE 126

851-870MHz band assessments at the face (CW) – DUT back side with PMAS4000A antenna and offered batteries												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
MeC-Face-100502-18/Q0BME02S	PMAS4000A	860.500	NNTN7036A (137mm)	Back @ 2.5cm	None	None	3.73	-0.394	1.540	1.110	0.84	0.61
MeC-Face-100502-19/Q0BME02S	PMAS4000A	860.500	NNTN7034A (130mm)	Back @ 2.5cm	None	None	3.69	-0.235	1.520	1.110	0.80	0.59
MeC-Face-100502-21/Q0BME02S	PMAS4000A	860.500	NNTN7038A (85mm)	Back @ 2.5cm	None	None	3.70	-0.360	1.970	1.430	1.07	0.78
MeC-Face-100502-20/Q0BME02S	PMAS4000A	860.500	NNTN7033A (130mm)	Back @ 2.5cm	None	None	3.73	-0.364	1.390	1.010	0.76	0.55

Assessments at the Face (50% duty cycle)

Test Flowchart pg 88 step 8; The DUT was tested with antenna PMAS4000A at the center channel using the highest SAR configuration from tables 125-126 with the DUT front side separated 2.5cm from the phantom using audio accessory RLN5878A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 114.0 – (851-870MHz band) DUT front side with PMAS4000A antenna and RLN5878A audio accessory.

TABLE 127

851-870MHz band assessments at the face (CW) – DUT front side with PMAS4000A antenna and RLN5878A audio accessory												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Face-100503-02/Q0BME02S	PMAS4000A	860.500	NNTN7036A (137mm)	Front @ 2.5cm	None	RLN5878A	3.73	-1.00	1.20	0.875	0.76	0.55
HvH-Face-100503-03/Q0BME02S	PMAS4000A	860.500	NNTN7034A (130mm)	Front @ 2.5cm	None	RLN5878A	3.73	-0.264	1.21	0.880	0.64	0.47
HvH-Face-100503-04/Q0BME02S	PMAS4000A	860.500	NNTN7038A (85mm)	Front @ 2.5cm	None	RLN5878A	3.73	-0.159	1.36	0.983	0.71	0.51
HvH-Face-100503-05/Q0BME02S	PMAS4000A	860.500	NNTN7033A (130mm)	Front @ 2.5cm	None	RLN5878A	3.71	-0.237	1.32	0.958	0.70	0.51

Assessments at the Face (50% duty cycle)

Test Flowchart pg 88 step 9; The DUT was tested with antenna PMAS4000A at the center channel with the DUT back side separated 2.5cm from the phantom using audio accessory RLN5878A. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 115.0 – (851-870MHz band) DUT back side with PMAS4000A antenna and RLN5878A audio accessory.

TABLE 128

851-870MHz band assessments at the face (CW) – DUT back side with PMAS4000A antenna and RLN5878A audio accessories												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Face-100503-06/Q0BME02S	PMAS4000A	860.500	NNTN7036A (137mm)	Back @ 2.5cm	None	RLN5878A	3.74	-0.221	1.40	1.01	0.74	0.53
HvH-Face-100503-07/Q0BME02S	PMAS4000A	860.500	NNTN7034A (130mm)	Back @ 2.5cm	None	RLN5878A	3.74	-0.153	1.38	1.00	0.72	0.52
HvH-Face-100503-08/Q0BME02S	PMAS4000A	860.500	NNTN7038A (85mm)	Back @ 2.5cm	None	RLN5878A	3.72	-0.113	1.56	1.13	0.80	0.58
HvH-Face-100503-09/Q0BME02S	PMAS4000A	860.500	NNTN7033A (130mm)	Back @ 2.5cm	None	RLN5878A	3.72	-0.179	1.49	1.08	0.78	0.56

Assessments at the Face (50% duty cycle)

Test Flowchart pg 88 step 10; The DUT was tested with antenna PMAS4000A at all other applicable frequencies using the highest SAR configuration from tables 125-128 with the DUT back side separated 2.5cm from the phantom. Refer to section 12.4 for additional test consideration details. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 116.0 – (851-870MHz band) PMAS4000A antenna frequency search.

TABLE 129

851-870MHz band assessments at the face (CW) – PMAS4000A antenna frequency search												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
HvH-Face-100503-10/Q0BME02S	PMAS4000A	851.0125	NNTN7038A (85mm)	Back @ 2.5cm	None	None	3.73	-0.0466	1.75	1.27	0.88	0.642
HvH-Face-100503-11/Q0BME02S	PMAS4000A	869.9875	NNTN7038A (85mm)	Back @ 2.5cm	None	None	3.75	-0.371	2.03	1.47	1.11	0.801

Assessments at the Face (50% duty cycle)

Test Flowchart pg 89 steps 11; Offered PSM PMMN4061A was tested using antenna PMAF4002A with each of the offered batteries NNTN7036A, NNTN7034A, NNTN7038A and NNTN7033A at center channel. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 117.0 – (851-870MHz band) PSM PMMN4061A with PMAF4002A antenna and offered batteries.

TABLE 130

851-870MHz band assessments at the face (CW) – PSM PMMN4061A with PMAF4002A antenna and offered batteries												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
MeC-Face-100504-13/Q0BME02S	PMAF4002A	860.5000	NNTN7036A (137mm)	Front @ 2.5cm	None	PMMN4061A	3.70	-0.924	1.02	0.733	0.63	0.45
MeC-Face-100504-14/Q0BME02S	PMAF4002A	860.5000	NNTN7034A (130mm)	Front @ 2.5cm	None	PMMN4061A	3.68	-0.385	1.23	0.89	0.67	0.49
MeC-Face-100504-15/Q0BME02S	PMAF4002A	860.5000	NNTN7038A (85mm)	Front @ 2.5cm	None	PMMN4061A	3.71	-0.533	1.27	0.90	0.72	0.51
MeC-Face-100504-16/Q0BME02S	PMAF4002A	860.5000	NNTN7033A (130mm)	Front @ 2.5cm	None	PMMN4061A	3.70	-0.643	1.17	0.84	0.68	0.49

Assessments at the Face (50% duty cycle)

Test Flowchart pg 89 steps 12; Offered PSM PMMN4061A was tested at all other applicable frequencies using the highest SAR configuration from table 130 above. Refer to section 12.4 for additional test consideration details. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 118.0 – (851-870MHz band) PSM PMMN4061A with PMAF4002A antenna frequency search.

TABLE 131

851-870MHz band assessments at the face (CW) – PSM PMMN4061A with PMAF4002A antenna and offered batteries												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
MeC-Face-100504-17/Q0BME02S	PMAF4002A	851.0125	NNTN7038A (85mm)	Front @ 2.5cm	None	PMMN4061A	3.72	-0.0666	1.27	0.920	0.64	0.47
MeC-Face-100504-18/Q0BME02S	PMAF4002A	869.9875	NNTN7038A (85mm)	Front @ 2.5cm	None	PMMN4061A	3.74	-0.765	1.08	0.769	0.64	0.46

Assessments at the Face (50% duty cycle)

Test Flowchart pg 89 steps 13; Offered PSM PMMN4060A was tested using antenna PMAF4002A with each of the offered batteries NNTN7036A, NNTN7034A, NNTN7038A and NNTN7033A at center channel. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 119.0 – (851-870MHz band) PSM PMMN4060A with PMAF4002A antenna and offered batteries.

TABLE 132

851-870MHz band assessments at the face (CW) – PSM PMMN4060A with PMAF4002A antenna and offered batteries												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
MeC-Face-100505-14/Q0BME02S	PMAF4002A	860.5000	NNTN7036A (137mm)	Front @ 2.5cm	None	PMMN4060A	3.72	-0.171	0.934	0.671	0.49	0.35
MeC-Face-100505-15/Q0BME02S	PMAF4002A	860.5000	NNTN7034A (130mm)	Front @ 2.5cm	None	PMMN4060A	3.70	-0.128	0.931	0.669	0.48	0.35
MeC-Face-100505-16/Q0BME02S	PMAF4002A	860.5000	NNTN7038A (85mm)	Front @ 2.5cm	None	PMMN4060A	3.70	-0.143	0.944	0.673	0.49	0.35
MeC-Face-100505-17/Q0BME02S	PMAF4002A	860.5000	NNTN7033A (130mm)	Front @ 2.5cm	None	PMMN4060A	3.69	-0.153	0.965	0.695	0.50	0.36

Assessments at the Face (50% duty cycle)

Test Flowchart pg 89 steps 14; Offered PSM PMMN4060A was tested at all other applicable frequencies using the highest SAR configuration from table 132 above. Refer to section 12.4 for additional test consideration details. The highest SAR result from the table below (bolded) is included in APPENDIX F Section 120.0 – (851-870MHz band) PSM PMMN4060A with PMAF4002A antenna frequency search.

TABLE 133

851-870MHz band assessments at the face (CW) – PSM PMMN4060A with PMAF4002A frequency search												
Run Number/ SN	**Antenna**	**Freq. (MHz)**	**Battery**	**Test position**	**Carry Case**	**Additional attachments**	**Initial Power (W)**	**SAR Drift (dB)**	**Meas. 1g-SAR (W/kg)**	**Meas. 10g-SAR (W/kg)**	**Max Calc. 1g-SAR (W/kg)**	**Max Calc. 10g-SAR (W/kg)**
MeC-Face-100505-18/Q0BME02S	PMAF4002A	851.0125	NNTN7033A (130mm)	Front @ 2.5cm	None	PMMN4060A	3.73	-0.327	1.30	0.936	0.70	0.51
MeC-Face-100505-19/Q0BME02S	PMAF4002A	869.9875	NNTN7033A (130mm)	Front @ 2.5cm	None	PMMN4060A	3.71	-0.0452	0.726	0.525	0.37	0.27

13.9 Shorten Scan Results

A "shortened" scan was performed, using the test configuration and unit that produced the highest SAR results at the face (in bold with *) below, to validate the SAR drift of the full DASY4™ coarse and 5x5x7 zoom scans. Note that the test frequency is not applicable for FCC Part 90. Note that the shortened scan represents the zoom scan performance result; this is obtained by first running a coarse scan to find the peak area and then, using a newly charged battery, a 5x5x7 zoom scan only was performed. The results of the shortened cube scan presented in APPENDIX E demonstrate that the scaling methodology used to determine the calculated SAR results presented herein are valid. The shortened scan SAR result from the table below is provided in APPENDIX E Section – Shortened scan results.

TABLE 134

Shortened Scan												
Run Number/ SN	Antenna	Freq. (MHz)	Battery	Test position	Carry Case	Additional attachments	Initial Power (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Meas. 10g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Max Calc. 10g-SAR (W/kg)
***JsT-Face-100418-02/Q0BME02S**	PMAE4065A	*520.00	NNTN7036A (137mm)	Back @ 2.5cm	None	None	5.76	-0.768	6.16	4.57	3.68	2.73
CM-Face-100417-24/Q0BME02S	PMAE4065A	*520.00	NNTN7036A (137mm)	Back @ 2.5cm	None	None	5.80	-1.31	5.42	4.00	3.66	2.70

14.0 Simultaneous Transmission Exclusion
NA

15.0 Conclusion

The highest Operational Maximum Calculated 1-gram and 10-gram average SAR values found for models H97TGD9PW1AN (MNUS1000A) (QA00572AA & QA00573AA) and H97TGD9PW1AN (MNUS1001A) (w/Q792 keypad, QA00572AA & QA00573AA) for FCC Part 90 frequency bands 450-512MHz, 769-775 MHz, 799-805 MHz, 806-824 MHz and 851-869 MHz are:

TABLE 135

Frequency Range	Max Calc at Body (W/kg)		Max Calc at Face (W/kg)	
	1g-SAR	10g-SAR	1g-SAR	10g-SAR
450 – 512MHz	6.02	3.44	2.73	2.02
769-775MHz	3.36	2.20	1.30	0.94
799-805 MHz; 806-824 MHz	4.17	2.64	1.33	0.97
851-869MHz	2.52	1.61	1.07	0.78

The test results clearly demonstrate compliance with FCC Occupational/Controlled RF Exposure limits of 8.0 W/kg averaged over 1 gram per the requirements of 47 CFR 2.1093(d). The 10 grams results are not applicable to this FCC filing.

15.1 Highest SAR summary for frequencies outside FCC allocations

TABLE 136

Frequency Range	Max Calc at Body (W/kg)		Max Calc at Face (W/kg)	
	1g-SAR	10g-SAR	1g-SAR	10g-SAR
512 – 520MHz	6.24	3.59	3.68	2.73
764-769MHz; 775-776MHz	4.08	2.68	1.43	1.03
794 -799MHz	4.65	3.00	1.53	1.12
869-870MHz	2.29	1.49	1.11	0.80

APPENDIX A
Measurement Uncertainty

The Measurement Uncertainty tables indicated in this APPENDIX are applicable to the DUT ranging from 450MHz to 800MHz and for Dipole test frequency ranging from MHz to 300MHz to 800MHz. Therefore, the highest tolerance for the probe calibration uncertainty is indicated.

Uncertainty Budget for Device Under Test, for 100 MHz to 800 MHz

a	*b*	*c*	*d*	*e = f(d,k)*	*f*	*g*	*h = c x f / e*	*i = c x g / e*	*k*
Uncertainty Component	**IEEE 1528 section**	**Tol. (± %)**	**Prob Dist**	**Div.**	**c_i (1 g)**	**c_i (10 g)**	**1 g u_i (±%)**	**10 g u_i (±%)**	**v_i**
Measurement System									
Probe Calibration	E.2.1	10.0	N	1.00	1	1	10.0	10.0	∞
Axial Isotropy	E.2.2	4.7	R	1.73	0.707	0.707	1.9	1.9	∞
Hemispherical Isotropy	E.2.2	9.6	R	1.73	0.707	0.707	3.9	3.9	∞
Boundary Effect	E.2.3	1.0	R	1.73	1	1	0.6	0.6	∞
Linearity	E.2.4	4.7	R	1.73	1	1	2.7	2.7	∞
System Detection Limits	E.2.5	1.0	R	1.73	1	1	0.6	0.6	∞
Readout Electronics	E.2.6	0.3	N	1.00	1	1	0.3	0.3	∞
Response Time	E.2.7	1.1	R	1.73	1	1	0.6	0.6	∞
Integration Time	E.2.8	1.1	R	1.73	1	1	0.6	0.6	∞
RF Ambient Conditions - Noise	E.6.1	3.0	R	1.73	1	1	1.7	1.7	∞
RF Ambient Conditions - Reflections	E.6.1	0.0	R	1.73	1	1	0.0	0.0	∞
Probe Positioner Mech. Tolerance	E.6.2	0.4	R	1.73	1	1	0.2	0.2	∞
Probe Positioning w.r.t Phantom	E.6.3	1.4	R	1.73	1	1	0.8	0.8	∞
Max. SAR Evaluation (ext., int., avg.)	E.5	3.4	R	1.73	1	1	2.0	2.0	∞
Test sample Related									
Test Sample Positioning	E.4.2	3.2	N	1.00	1	1	3.2	3.2	29
Device Holder Uncertainty	E.4.1	4.0	N	1.00	1	1	4.0	4.0	8
SAR drift	6.6.2	5.0	R	1.73	1	1	2.9	2.9	∞
Phantom and Tissue Parameters									
Phantom Uncertainty	E.3.1	4.0	R	1.73	1	1	2.3	2.3	∞
Liquid Conductivity (target)	E.3.2	5.0	R	1.73	0.64	0.43	1.8	1.2	∞
Liquid Conductivity (measurement)	E.3.3	3.3	N	1.00	0.64	0.43	2.1	1.4	∞
Liquid Permittivity (target)	E.3.2	5.0	R	1.73	0.6	0.49	1.7	1.4	∞
Liquid Permittivity (measurement)	E.3.3	1.9	N	1.00	0.6	0.49	1.1	0.9	∞
Combined Standard Uncertainty			RSS				14	13	965
Expanded Uncertainty (95% CONFIDENCE LEVEL)			k=2				27	27	

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Uncertainty Budget for System Validation (dipole & flat phantom) for 300 MHz to 800 MHz

a	*b*	*c*	*d*	*e = f(d,k)*	*f*	*g*	*h = c x f / e*	*i = c x g / e*	*k*
Uncertainty Component	**IEEE 1528 section**	**Tol. (± %)**	**Prob. Dist.**	**Div.**	**c_i (1 g)**	**c_i (10 g)**	**1 g u_i (±%)**	**10 g u_i (±%)**	**v_i**
Measurement System									
Probe Calibration	E.2.1	9.0	N	1.00	1	1	9.0	9.0	∞
Axial Isotropy	E.2.2	4.7	R	1.73	1	1	2.7	2.7	∞
Spherical Isotropy	E.2.2	9.6	R	1.73	0	0	0.0	0.0	∞
Boundary Effect	E.2.3	1.0	R	1.73	1	1	0.6	0.6	∞
Linearity	E.2.4	4.7	R	1.73	1	1	2.7	2.7	∞
System Detection Limits	E.2.5	1.0	R	1.73	1	1	0.6	0.6	∞
Readout Electronics	E.2.6	0.3	N	1.00	1	1	0.3	0.3	∞
Response Time	E.2.7	1.1	R	1.73	1	1	0.6	0.6	∞
Integration Time	E.2.8	0.0	R	1.73	1	1	0.0	0.0	∞
RF Ambient Conditions - Noise	E.6.1	3.0	R	1.73	1	1	1.7	1.7	∞
RF Ambient Conditions - Reflections	E.6.1	0.0	R	1.73	1	1	0.0	0.0	∞
Probe Positioner Mechanical Tolerance	E.6.2	0.4	R	1.73	1	1	0.2	0.2	∞
Probe Positioning w.r.t. Phantom	E.6.3	1.4	R	1.73	1	1	0.8	0.8	∞
Max. SAR Evaluation (ext., int., avg.)	E.5	3.4	R	1.73	1	1	2.0	2.0	∞
Dipole									
Dipole Axis to Liquid Distance	8, E.4.2	2.0	R	1.73	1	1	1.2	1.2	∞
Input Power and SAR Drift Measurement	8, 6.6.2	5.0	R	1.73	1	1	2.9	2.9	∞
Phantom and Tissue Parameters									
Phantom Uncertainty	E.3.1	4.0	R	1.73	1	1	2.3	2.3	∞
Liquid Conductivity (target)	E.3.2	5.0	R	1.73	0.64	0.43	1.8	1.2	∞
Liquid Conductivity (measurement)	E.3.3	3.3	R	1.73	0.64	0.43	1.2	0.8	∞
Liquid Permittivity (target)	E.3.2	5.0	R	1.73	0.6	0.49	1.7	1.4	∞
Liquid Permittivity (measurement)	E.3.3	1.9	R	1.73	0.6	0.49	0.6	0.5	∞
Combined Standard Uncertainty			RSS				11	11	99999
Expanded Uncertainty (95% CONFIDENCE LEVEL)			*k*=2				22	22	

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Notes:
a) Column headings *a-k* are given for reference.
b) Tol. - tolerance in influence quantity.
c) Prob. Dist. – Probability distribution
d) N, R - normal, rectangular probability distributions
e) Div. - divisor used to translate tolerance into normally distributed standard uncertainty
f) *ci* - sensitivity coefficient that should be applied to convert the variability of the uncertainty component into a variability of SAR.
g) *ui* – SAR uncertainty
h) *vi* - degrees of freedom for standard uncertainty and effective degrees of freedom for the expanded uncertainty