

**MOTOROLA SOLUTIONS**MS ISO/IEC 17025
TESTING

SAMM No.0826

CERTIFICATE 2518.05

DECLARATION OF COMPLIANCE SAR ASSESSMENT Part 2 of 4**Motorola Solutions Inc.****EME Test Laboratory**

Motorola Solutions Malaysia Sdn Bhd (Innoplex)

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Date of Report: 11/15/2019**Report Revision: B**

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Date/s Tested: 12/25/2018-12/31/2018, 1/2/2019-1/4/2019, 1/6/2019-2/8/2019, 2/10/2019-2/13/2019, 2/27/2019-2/28/2019, 3/4/2019, 3/6/2019, 3/13/2019-3/15/2019, 3/18/2019-3/19/2019
Manufacturer: Motorola Solutions Inc.
DUT Description: Handheld Portable – APX NEXT All-band Model 4.5
Test TX mode(s): FM; LTE; WLAN
Max. Power output: Refer to Part 1 Table 3
Nominal Power: Refer to Part 1 Table 3
Tx Frequency Bands: Refer to Part 1 Table 3
Signaling type: FM, TDMA, SC-FDMA, FHSS, DSSS, OFDM and NFC
Model(s) Tested: H55TGT9PW8AN (PNUW1100A)
Model(s) Certified: H55TGT9PW8AN (PNUW1100A), H45KGT9PW8AN, H45UCT9PW8AN and H45XDT9PW8AN
Serial Number(s): 437TUX0100, 437P1C0117, 437P1C0120, 437TUX0109, 437TUX0103, 437TUX0096, 437P1C0122
Classification: Occupational/Controlled
FCC ID: AZ489FT7119; LMR 150.8-173.4 MHz, 406.125-512 MHz, 769-775 MHz, 799-824 MHz, 851-869 MHz; LTE; WLAN 2.4 GHz; WLAN 5GHz, Bluetooth, NFC
 This report contains results that are immaterial for FCC equipment approval, which are clearly identified.
IC: 109U-89FT7119; LMR 138-173.4 MHz, 406.125-430 MHz, 450-470 MHz, 769-775 MHz, 799-824 MHz, 851-869 MHz; LTE; WLAN 2.4 GHz; WLAN 5GHz, Bluetooth, NFC
 This report contains results that are immaterial for IC equipment approval, which are identified.
ISED Test Site registration: 109AK
FCC Test Firm Registration Number: 823256

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 FCC 47 CFR § 2.1093 and RSS-102 (Issue 5).

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 4.0 of this report (no deviation from standard methods). This report shall not be reproduced without written approval from an officially designated representative of the Motorola Solutions Inc 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.

Tiong
Tiong Nguk Ing

Deputy Technical Manager (Approved Signatory)**Approval Date: 11/15/2019**

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1.0 System Validation for LMR

The SAR measurement system was validated according to procedures in KDB 865664. The validation status summary Table is below.

Table 1

Dates	Probe Calibration Point		Probe SN	Measured Tissue Parameters		Validation		
				σ	ϵ_r	Sensitivity	Linearity	Isotropy
CW								
4/18/2018	Body	150	7486	0.78	59.40	Pass	Pass	Pass
4/19/2018	Head	150		0.72	53.00	Pass	Pass	Pass
4/29/2018	Body	450	3122	0.88	55.50	Pass	Pass	Pass
4/29/2018	Head	450		0.87	42.30	Pass	Pass	Pass
11/9/2018	Body	835	3612	1.00	52.80	Pass	Pass	Pass
11/9/2018	Head	835		0.94	39.60	Pass	Pass	Pass
11/20/2018	Body	450	7519	0.93	54.90	Pass	Pass	Pass
11/20/2018	Head	450		0.85	42.20	Pass	Pass	Pass
11/19/2018	Body	835		1.02	52.70	Pass	Pass	Pass
11/20/2018	Head	835		0.94	41.10	Pass	Pass	Pass
11/19/2018	Body	900		1.09	55.00	Pass	Pass	Pass
11/21/2018	Head	900		1.01	40.30	Pass	Pass	Pass

2.0 System Verification for LMR

System verification checks were conducted each day during the SAR assessment. The results are normalized to 1W. Appendix 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 2

Probe Serial #	Tissue Type	Dipole Kit / Serial #	Ref SAR @ 1W (W/kg)	System Check Results Measured (W/kg)	System Check Test Results when normalized to 1W (W/kg)	Tested Date
7486	FCC Body	SPEAG CLA150 / 4005	3.84 +/- 10%	4.13	4.13	12/26/2018#
				4.15	4.15	12/27/2018#
				4.21	4.21	12/28/2018#
				4.16	4.16	1/10/2019#
	IEEE/IEC Head	SPEAG CLA150 / 4005	3.77 +/- 10%	3.97	3.97	12/25/2018#
				4.06	4.06	12/26/2018
				4.13	4.13	1/9/2019#
	FCC Body	SPEAG CLA150 / 4016	3.95 +/- 10%	4.16	4.16	1/2/2019#
	FCC Body	SPEAG D900V2 / 1D025	11.20 +/- 10%	4.12	4.12	1/3/2019#
				2.82	11.28	3/4/2016#
	IEEE/IEC Head	SPEAG D835V2 / 4D029	9.60 +/- 10%	2.93	11.72	3/6/2019
				2.44	9.48	3/6/2019
3122	FCC Body	SPEAG D450V3 / 1054	4.57 +/- 10%	1.17	4.68	12/25/2018
				1.07	4.28	12/26/2018
				1.05	4.20	12/27/2018
				1.03	4.12	12/28/2018#
				1.04	4.16	12/29/2018
				1.20	4.8	12/30/2018
				1.11	4.44	12/31/2018
				1.16	4.54	1/2/2019
				1.12	4.48	1/3/2019#
				1.16	4.64	1/4/2019#
				1.17	4.68	1/6/2019
				1.04	4.16	1/7/2019
				1.12	4.48	1/8/2019
				1.13	4.52	1/9/2019#
				1.16	4.64	1/10/2019#
				1.16	4.64	1/11/2019
				1.16	4.64	1/14/2019#
				1.18	4.72	1/15/2019
				1.16	4.64	1/16/2019#
				1.15	4.60	1/17/2019#
				1.21	4.84	1/18/2019
				1.19	4.76	1/20/2019#
				1.14	4.56	1/21/2019#
				1.20	4.80	1/25/2019
				1.22	4.88	1/27/2019
				1.23	4.92	1/28/2019
	IEEE/IEC Head	SPEAG D450V3 / 1054	4.48 +/- 10%	1.14	4.56	1/8/2019#
				1.18	4.72	1/16/2019
				1.22	4.88	24/1/2019#
	FCC Body	SPEAG D450V3 / 1053	4.53 +/- 10%	1.20	1.80	29/1/2019
				1.21	4.84	1/2/2019#

Note: “#” system performance checks covered for next testing day (within 24 hours)

Table 2 Continued

Probe Serial #	Tissue Type	Dipole Kit / Serial #	Ref SAR @ 1W (W/kg)	System Check Results Measured (W/kg)	System Check Test Results when normalized to 1W (W/kg)	Tested Date
3612	FCC Body	SPEAG D835V2 / 4D029	9.67 +/- 10%	2.58	10.32	1/2/2019#
				2.57	10.28	1/3/2019#
				2.55	10.20	1/4/2019#
				2.5	10.00	1/6/2019
				2.53	10.12	1/7/2019#
				2.54	10.16	1/8/2019
				2.56	10.24	1/11/2019#
				2.51	10.04	1/13/2019#
				2.52	10.08	1/14/2019#
				2.52	10.08	1/15/2019
				2.53	10.12	1/23/2019#
				2.52	10.08	1/24/2019#
				2.5	10.00	1/25/2019#
				2.55	10.20	1/28/2019
				2.55	10.20	1/29/2019#
				2.54	10.16	1/30/2019#
				2.57	10.28	1/31/2019#
				2.49	9.96	2/1/2019#
				2.56	10.24	2/3/2019#
				2.59	10.36	2/4/2019#
				2.62	10.48	2/5/2019#
				2.54	10.16	2/6/2019
				2.53	10.12	2/8/2019#
				2.52	10.08	2/12/2019#
				2.53	10.12	2/28/2019
	IEEE/IEC Head		9.60 +/- 10%	2.44	9.76	1/9/2019
				2.44	9.76	1/10/2019
				2.49	9.96	2/7/2019
				2.49	9.96	2/8/2019
				2.53	10.12	2/12/2019
				2.55	10.20	2/13/2019
7519	FCC Body	SPEAG D450V3 / 1054	4.57 +/- 10%	1.16	4.64	1/2/2019
				1.13	4.52	1/4/2019
	FCC Body	SPEAG D450V3 / 1053	4.53 +/- 10%	1.20	4.80	2/27/2019
				1.19	4.76	2/28/2019
				1.18	4.72	3/14/2019
	IEEE/IEC Head		4.57 +/- 10%	1.19	4.76	3/14/2019#
				1.20	4.80	3/15/2019
		1.18		4.72	3/18/2019	
	FCC Body	SPEAG D835V2 / 4D029	9.67 +/- 10%	2.46	9.84	2/28/2019
				2.48	9.92	3/18/2019
IEEE/IEC Head	9.60 +/- 10%	2.27	9.08	3/14/2019		

Note: “#” system performance checks covered for next testing day (within 24 hours)

3.0 Equivalent Tissue Test Results for LMR

Simulated tissue prepared for SAR measurements are measured daily and within 24 hours of SAR testing to verify that the tissue is within +/- 5% of target parameters for each tested channel. The table below summarizes the measured tissue parameters used for the SAR assessment.

Table 3 (VHF)

Frequency (MHz)	Tissue Type	Conductivity Target (S/m)	Dielectric Constant Target	Conductivity Meas. (S/m)	Dielectric Constant Meas.	Tested Date
136	FCC Body	0.79 (0.75-0.83)	62.2 (59.1-65.3)	0.80	59.2	1/3/2019#
	IEEE/ IEC Head	0.75 (0.71-0.79)	53.0 (50.3-55.6)	0.76	50.3	12/25/2018#
				0.73	50.7	12/26/2018
143	FCC Body	0.79 (0.75-0.83)	62.2 (59.1-65.3)	0.80	59.0	1/3/2019
	IEEE/ IEC Head	0.76 (0.72-0.79)	52.6 (50.0-55.3)	0.77	50.0	12/25/2018#
147	FCC Body	0.80 (0.75-0.84)	62.0 (58.9-65.1)	0.80	58.9	1/3/2019#
	IEEE/ IEC Head	0.76 (0.72-0.80)	52.4 (49.8-55.1)	0.77	49.8	12/25/2018#
150	FCC Body	0.80 (0.76-0.84)	61.9 (58.8-65.0)	0.83	58.9	12/26/2018#
				0.79	59.2	12/27/2018#
				0.78	58.9	12/28/2018#
				0.79	59.4	1/2/2019
				0.81	58.9	1/3/2019#
				0.82	58.9	1/10/2019#
	IEEE/ IEC Head	0.76 (0.72-0.80)	52.3 (49.7-54.9)	0.77	49.7	12/25/2018#
				0.74	50.1	12/26/2018
				0.74	51.0	1/9/2019#
155	FCC Body	0.80 (0.76-0.84)	61.8 (58.7-64.9)	0.84	58.8	12/26/2018#
				0.80	59.1	12/27/2018#
				0.78	58.8	12/28/2018#
				0.79	59.3	1/2/2019#
				0.81	58.7	1/3/2019
	IEEE/ IEC Head	0.76 (0.73-0.80)	52.1 (49.5-54.7)	0.77	49.5	12/25/2018
160	FCC Body	0.81 (0.77-0.85)	61.7 (58.6-64.7)	0.82	58.6	1/10/2019#
	IEEE/ IEC Head	0.77 (0.73-0.81)	51.8 (49.2-54.4)	0.74	50.6	1/9/2019#
173	FCC Body	0.82 (0.70-0.86)	61.3 (58.3-64.4)	0.84	58.4	12/26/2018#
				0.81	58.7	12/27/2018#
				0.79	58.4	12/28/2018#
				0.80	58.8	1/2/2019#
				0.82	58.3	1/3/2019
	IEEE/ IEC Head	0.78 (0.74-0.82)	51.2 (48.7-53.8)	0.79	48.7	12/25/2019

Note: “#” Tissue date covered for next testing day (within 24 hours)

Table 3 (UHF R1)

Frequency (MHz)	Tissue Type	Conductivity Target (S/m)	Dielectric Constant Target	Conductivity Meas. (S/m)	Dielectric Constant Meas.	Tested Date
380	FCC Body	0.93 (0.88-0.98)	54.7 (54.5-60.3)	0.88	55.8	1/8/2019
				0.92	56.7	2/27/2019
				0.90	56.0	3/14/2019
	IEEE/ IEC Head	0.87 (0.83-0.91)	44.3 (42.1-46.6)	0.84	44.5	3/18/2019
393	FCC Body	0.93 (0.89-0.98)	54.3 (54.4-60.1)	0.90	55.6	1/8/2019
				0.93	56.5	2/27/2019#
				0.91	55.8	3/14/2019
	IEEE/ IEC Head	0.87 (0.83-0.91)	44.2 (42.0-46.4)	0.85	44.2	3/18/2019
406	FCC Body	0.93 (0.89-0.98)	57.1 (54.3-60.0)	0.90	54.9	12/25/2018
				0.90	54.8	12/26/2018
				0.90	55.4	12/27/2018
422	FCC Body	0.94 (0.89-0.98)	57.0 (54.1-59.8)	0.92	54.6	12/25/2018
				0.91	54.5	12/26/2018
				0.92	55.2	12/27/2018
				0.93	54.6	12/28/2018
				0.93	54.6	12/29/2018
				0.92	54.6	12/30/2018
				0.92	54.8	12/31/2018
				0.91	55.2	1/2/2019#
				0.90	55.0	1/3/2019
				0.91	54.9	1/7/2019
	IEEE/ IEC Head	0.87 (0.83-0.91)	43.8 (41.6-46.0)	0.86	44.5	1/8/2019
438	FCC Body	0.94 (0.89-0.99)	56.8 (54.0-59.7)	0.93	54.4	12/25/2018
				0.93	54.3	12/26/2018
				0.93	55.0	12/27/2018
				0.92	54.6	1/7/2019
450	FCC Body	0.94 (0.89-0.99)	56.7 (53.9-59.5)	0.94	54.2	12/25/2018
				0.94	54.1	12/26/2018
				0.94	54.8	12/27/2018
				0.95	54.1	12/28/2018#
				0.95	54.1	12/29/2018
				0.94	54.1	12/30/2018
				0.94	54.3	12/31/2018
				0.94	54.8	1/2/2019#
				0.93	54.5	1/3/2019#
				0.94	54.1	1/4/2019#
				0.93	54.3	1/6/2019
				0.93	54.5	1/7/2019
				0.94	54.7	1/8/2019
				0.94	55.4	1/9/2019#
				0.92	55.8	1/16/2019
				0.96	54.9	1/25/2019
				0.98	55.7	2/27/2019
				0.96	55.0	3/14/2019
	IEEE/ IEC Head	0.87 (0.83-0.91)	43.5 (41.3-45.7)	0.88	43.9	1/8/2019#
				0.83	42.5	1/16/2019
				0.90	43.0	3/18/2019

Note: “#” Tissue date covered for next testing day (within 24 hours)

Table 3 (UHF R1) Continued

Frequency (MHz)	Tissue Type	Conductivity Target (S/m)	Dielectric Constant Target	Conductivity Meas. (S/m)	Dielectric Constant Meas.	Tested Date
460	FCC Body	0.94 (0.89-0.99)	56.7 (53.8-59.5)	0.95	54.0	12/25/2018
				0.95	53.9	12/26/2018
				0.95	54.7	12/27/2018
				0.96	54.0	12/28/2018
				0.95	54.2	12/31/2018
				0.94	54.7	1/2/2019
				0.94	54.3	1/3/2019#
				0.95	54.0	1/4/2019#
				0.94	54.1	1/6/2019
				0.94	54.3	1/7/2019
	IEEE/ IEC Head	0.87 (0.83-0.91)	43.4 (41.3-45.6)	0.89	43.7	1/8/2019#
470	FCC Body	0.94 (0.89-0.99)	56.6 (53.8-59.5)	0.84	42.3	1/16/2019
				0.96	53.9	12/25/2018
				0.96	53.8	12/26/2018
				0.96	54.6	12/27/2018
				0.97	53.8	12/28/2018
				0.97	53.9	12/29/2018
				0.96	53.8	12/30/2018
				0.96	54.1	12/31/2018
				0.95	54.6	1/2/2019#
				0.95	54.2	1/3/2019#
				0.96	53.8	1/4/2019#
				0.95	53.9	1/6/2019
				0.95	54.1	1/7/2019
				0.96	55.1	1/9/2019#
470	IEEE/ IEC Head	0.87 (0.83-0.91)	43.4 (41.2-45.6)	0.90	43.5	1/8/2019#

Note: “#” Tissue date covered for next testing day (within 24 hours)

Table 3 (UHF R2)

Frequency (MHz)	Tissue Type	Conductivity Target (S/m)	Dielectric Constant Target	Conductivity Meas. (S/m)	Dielectric Constant Meas.	Tested Date
450	FCC Body	0.94 (0.89-0.99)	56.7 (53.9-59.5)	0.93	55.6	1/2/2019
				0.92	54.4	1/4/2019
				0.91	54.6	1/10/2019#
				0.90	54.7	1/11/2019
				0.89	54.8	1/14/2019#
				0.91	55.7	1/15/2019
				0.92	55.8	1/16/2019#
				0.89	55.3	1/17/2019#
				0.91	55.3	1/18/2019
				0.90	55.1	1/20/2019#
				0.92	54.8	1/21/2019#
				0.90	54.8	1/27/2019
				0.91	54.7	1/28/2019
				0.92	55.2	2/28/2019
				0.96	55.0	3/14/2019
	IEEE/ IEC Head	0.87 (0.83-0.91)	43.5 (41.3-45.7)	0.85	42.7	1/24/2019#
				0.86	42.9	1/29/2019
				0.89	43.7	3/14/2019#
				0.85	42.6	3/15/2019
460	FCC Body	0.94 (0.89-0.99)	56.7 (53.8-59.5)	0.93	54.3	1/4/2019
				0.92	54.5	1/10/2019
				0.91	54.5	1/11/2019
				0.90	54.6	1/14/2019
				0.92	55.6	1/15/2019
				0.93	55.6	1/16/2019
				0.90	55.2	1/17/2019#
				0.91	55.0	1/20/2019
				0.93	54.6	1/21/2019
				0.91	54.6	1/27/2019
	IEEE/ IEC Head	0.87 (0.83-0.91)	43.4 (41.3-45.6)	0.90	43.5	3/14/2019#
470	FCC Body	0.94 (0.89-0.99)	56.6 (53.8-59.5)	0.93	54.4	1/10/2019
				0.92	54.4	1/11/2019
				0.91	54.5	1/14/2019
				0.93	55.4	1/15/2019
				0.93	55.5	1/16/2019#
				0.91	55.0	1/17/2019#
				0.92	55.0	1/18/2019
				0.92	54.8	1/20/2019
				0.93	54.4	1/28/2019
				0.98	54.7	3/14/2019
	IEEE/ IEC Head	0.87 (0.83-0.91)	43.4 (41.2-45.6)	0.87	42.3	1/24/2019#
481	FCC Body	0.94 (0.90-0.99)	56.6 (53.8-59.4)	0.96	55.1	1/2/2019
				0.94	54.2	1/10/2019#
				0.92	54.3	1/14/2019
				0.94	55.3	1/15/2019
				0.92	54.9	1/17/2019
				0.93	54.6	1/20/2019#
				0.94	54.3	1/21/2019#
				0.93	54.3	1/27/2019
				0.94	54.3	1/28/2019

Note: “#” Tissue date covered for next testing day (within 24 hours)

Table 3 (UHF R2) Continued

Frequency (MHz)	Tissue Type	Conductivity Target (S/m)	Dielectric Constant Target	Conductivity Meas. (S/m)	Dielectric Constant Meas.	Tested Date
497	FCC Body	0.94 (0.90-0.99)	56.5 (53.7-59.3)	0.98	54.9	1/2/2019
				0.96	53.9	1/4/2019
				0.95	53.9	1/10/2019#
				0.94	54.0	1/11/2019
				0.93	54.0	1/14/2019#
				0.95	55.0	1/15/2019
				0.96	55.1	1/16/2019#
				0.94	54.6	1/17/2019#
				0.95	54.6	1/18/2019
				0.95	54.4	1/20/2019#
				0.96	54.0	1/21/2019
				0.94	54.1	1/27/2019
	IEEE/ IEC Head	0.87 (0.83-0.92)	43.42 (41.1-45.4)	0.89	41.8	1/24/2019#
512	FCC Body	0.94 (0.90-0.99)	56.5 (53.6-59.3)	0.98	53.7	1/4/2019
				0.96	53.6	1/10/2019
				0.95	53.7	1/11/2019
				0.95	53.8	1/14/2019
				0.96	54.8	1/15/2019
				0.95	54.4	1/17/2019
				0.96	53.9	1/27/2019
520	FCC Body	0.95 (0.90-0.99)	56.4 (53.6-59.2)	0.97	53.8	1/28/2018
				0.98	54.2	2/28/2019
				0.99	54.2	3/14/2019#
	IEEE/ IEC Head	0.87 (0.83-0.92)	43.1 (41.0-45.3)	0.92	41.6	1/29/2019
				0.91	41.3	3/15/2019

Note: “#” Tissue date covered for next testing day (within 24 hours)

Table 3 (7/800)

Frequency (MHz)	Tissue Type	Conductivity Target (S/m)	Dielectric Constant Target	Conductivity Meas. (S/m)	Dielectric Constant Meas.	Tested Date
762	FCC Body	0.96 (0.92-1.01)	55.5 (52.7-58.3)	0.93	54.6	2/6/2019
				0.92	53.8	2/28/2019
				0.92	54.9	3/18/2019#
	IEEE/ IEC Head	0.89 (0.85-0.94)	41.8 (39.8-43.9)	0.87	43.6	2/7/2019
				0.85	42.4	2/12/2019
				0.85	42.4	2/13/2019
769	FCC Body	0.96 (0.92-1.01)	55.5 (52.7-58.2)	0.92	53.9	1/29/2019#
				0.93	53.7	1/30/2019#
				0.94	53.4	1/31/2019#
				0.93	53.4	2/1/2019#
				0.95	53.8	2/3/2019#
				0.94	55.0	2/4/2019#
				0.94	54.4	2/5/2019
				0.95	55.4	2/8/2019
	IEEE/ IEC Head	0.89 (0.85-0.94)	41.8 (39.7-43.9)	0.87	43.5	2/7/2019
				0.86	42.7	2/8/2019
772	FCC Body	0.97 (0.92-1.01)	55.4 (52.7-58.2)	0.93	53.9	1/29/2019
				0.83	53.7	1/30/2019#
				0.94	53.4	1/31/2019#
				0.93	53.4	2/1/2019
				0.95	53.8	2/3/2019
				0.95	54.3	2/5/2019#
	IEEE/ IEC Head	0.89 (0.85-0.94)	41.8 (39.7-43.9)	0.86	42.3	2/12/2019
775	FCC Body	0.97 (0.92-1.01)	55.4 (52.7-58.2)	0.93	53.9	1/29/2019#
				0.94	53.6	1/30/2019#
				0.94	53.3	1/31/2019#
				0.93	53.3	2/1/2019#
				0.95	53.8	2/3/2019
				0.96	55.3	2/8/2019#
	IEEE/ IEC Head	0.89 (0.85-0.94)	41.8 (39.7-43.9)	0.87	42.3	2/12/2019
794	FCC Body	0.97 (0.92-1.01)	55.4 (52.6-58.1)	0.96	53.1	1/25/2019#
				0.92	53.8	2/28/2019
	IEEE/ IEC Head	0.90 (0.85-0.94)	41.7 (39.6-43.8)	0.89	40.1	1/10/2019
				0.87	40.2	3/14/2019
799	FCC Body	0.97 (0.92-1.02)	55.3 (52.6-58.1)	0.96	54.4	1/11/2019#
				0.96	54.3	1/13/2019#
				0.94	53.0	1/14/2019#
				0.95	53.0	1/15/2019
				0.97	54.3	1/23/2019
	IEEE/ IEC Head	0.90 (0.85-0.94)	41.6 (39.6-43.7)	0.89	42.3	2/8/2019
809	FCC Body	0.97 (0.92-1.02)	55.3 (52.5-58.1)	0.97	54.3	1/11/2019#
				0.97	54.2	1/13/2019#
				0.95	52.9	1/14/2019#
				0.96	52.9	1/15/2019
				0.97	52.8	1/24/2019#
				0.98	52.9	1/25/2019#
				0.97	53.5	1/29/2019

Note: “#” Tissue date covered for next testing day (within 24 hours)

Table 3 (7/800) Continued

Frequency (MHz)	Tissue Type	Conductivity Target (S/m)	Dielectric Constant Target	Conductivity Meas. (S/m)	Dielectric Constant Meas.	Tested Date
809	IEEE/ IEC Head	0.90 (0.85-0.94)	41.6 (39.5-43.7)	0.90	42.2	2/8/2019
824	FCC Body	0.97 (0.92-1.02)	55.2 (52.5-58.0)	0.98	54.2	1/11/2019#
				0.99	54.0	1/13/2019#
				0.97	52.7	1/14/2019#
				0.98	52.7	1/15/2019
				0.99	54.0	1/23/2019#
				0.99	52.6	1/24/2019#
				0.97	52.7	1/28/2019
	IEEE/ IEC Head	0.90 (0.85-0.94)	41.6 (39.5-43.6)	0.93	41.0	1/9/2019
835	FCC Body	0.97 (0.92-1.02)	55.2 (52.4-58.0)	0.92	39.7	1/10/2019
				1.02	55.2	1/2/2019#
				1.02	55.7	1/3/2019#
				0.99	54.7	1/4/2019#
				1.01	55.8	1/6/2019
				1.00	54.3	1/7/2019#
				1.01	54.8	1/8/2019
				0.99	54.1	1/11/2019#
				1.00	53.9	1/13/2019#
				0.98	52.6	1/14/2019#
				0.99	52.6	1/15/2019
				1.00	53.9	1/23/2019#
				1.00	52.5	1/24/2019#
				1.00	52.6	1/25/2019#
				0.98	52.5	1/28/2019
				0.99	53.2	1/29/2019#
				1.00	53.0	1/30/2019#
				1.01	52.7	1/31/2019#
				1.00	52.7	2/1/2019#
				1.01	53.1	2/3/2019#
				1.00	54.3	2/4/2019#
				1.02	53.6	2/5/2019#
				1.01	53.9	2/6/2019
				1.01	54.8	2/8/2019#
				1.00	54.9	2/12/2019#
				1.00	53.1	2/28/2019
				0.99	54.2	3/18/2019#
	IEEE/ IEC Head	0.90 (0.86-0.95)	41.5 (39.4-43.6)	0.94	40.9	1/9/2019
				0.93	39.6	1/10/2019
				0.94	42.7	2/7/2019
				0.92	41.9	2/8/2019
				0.93	41.5	2/12/2019
				0.92	41.5	2/13/2019
				0.93	41.5	3/6/2019
851	FCC Body	0.99 (0.94-1.04)	55.2 (52.4-57.9)	0.91	39.7	3/14/2019
				1.04	53.9	3/4/2019#
	IEEE/ IEC Head	0.92 (0.87-0.96)	41.5 (39.4-43.6)	1.03	53.1	3/6/2019
861	FCC Body	1.00 (0.95-1.05)	55.1 (52.4-57.9)	0.95	41.3	3/6/2019
	IEEE/ IEC Head	0.93 (0.88-0.97)	41.5 (39.4-43.6)	1.04	53.0	3/6/2019
				0.96	41.2	3/6/2019

Note: “#” Tissue date covered for next testing day (within 24 hours)

Table 3 (7/800) Continued

Frequency (MHz)	Tissue Type	Conductivity Target (S/m)	Dielectric Constant Target	Conductivity Meas. (S/m)	Dielectric Constant Meas.	Tested Date
869	FCC Body	1.01 (0.96-1.06)	55.1 (52.3-57.9)	1.05	54.9	1/2/2019#
				1.05	55.2	1/3/2019#
				1.02	54.4	1/4/2019#
				1.05	55.5	1/6/2019
				1.04	54.0	1/7/2019#
				1.04	54.4	1/8/2019
	IEEE/ IEC Head	0.94 (0.89-0.98)	41.5 (39.4-43.6)	0.98	40.4	1/9/2019
900	FCC Body	1.05 (1.00-1.10)	55.0 (52.3-57.8)	1.09	53.5	3/4/2019#
				1.09	52.7	3/6/2019

N Note: “#” Tissue date covered for next testing day (within 24 hours)

4.0 DUT Test Data for LMR

4.1 SAR assessment for LMR VHF

4.1.1 Assessment at the Body for 150.8-173.4 MHz band

Output Power Data

Battery NNTN9087A was selected as the default battery for assessments at the Body because it is the thinnest battery (refer to Exhibit 7B for battery illustration). The default battery was used during conducted power measurements for all test channels within FCC allocated frequency range (150.8-173.4 MHz) which are listed in table below. The channel with the highest conducted power will be identified as the default channel per KDB 643646 (SAR Test for PTT Radios).

Table 4

Test Freq (MHz)	Power (W)
150.8000	6.27
155.0000	6.31
158.3000	6.30
160.0000	6.30
167.0000	6.31
173.4000	6.35

Assessments at the Body with Body worn PMLN7947A w/ NTN8266B

DUT assessment with offered antennas, default battery and, default body worn accessory per KDB 643646. Optional battery was tested per the requirements of KDB 643646. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 5

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas · 1g- SAR (W/kg)	Max Calc. 1g- SAR (W/kg)	Run#
KT000026A01	NNTN9087A	PMLN7947A w/ NTN8266B	PMMN4123A	150.8000					
				158.3000					
				167.0000					
				173.4000	6.50	-0.78	0.76	0.46	ZZ-AB-181226-13
PMAD4088B				150.8000					
				158.3000					
				167.0000					
PMAD4094A				173.4000	6.49	0.22	0.46	0.23	ZZ-AB-181226-15
				150.8000					
PMAD4095A				155.0000	6.45	-0.18	1.15	0.61	ZZ-AB-181226-17
				160.0000					
				167.0000					
				173.4000	6.49	-0.36	0.34	0.19	ZZ-AB-181226-18
Assessment of Additional Battery									
PMAD4094A	NNTN9089A	PMLN7947A w/ NTN8266B	PMMN4123A	155.0000	6.50	-0.59	1.03	0.60	FD-AB-181226-20

Assessments at the Body with Body worn PMLN7947A w/ PMLN7965A

DUT assessment with offered antennas, default battery and, default body worn accessory per KDB 643646. Optional battery was tested per the requirements of KDB 643646. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 6

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9087A	PMLN7947A w/ PMLN7965A	PMMN4123A	150.8000					
				158.3000					
				167.0000					
173.4000				6.60	-0.97	0.57	0.35	FD-AB-181227-05#	
150.8000									
158.3000									
167.0000									
173.4000				6.53	0.20	0.36	0.18	FD-AB-181227-06#	
150.8000									
155.0000				6.51	-0.51	1.11	0.63	FD-AB-181227-07#	
160.0000									
167.0000									
173.4000	6.51	-0.39	0.29	0.16	ZZ-AB-181227-08#				
Assessment of Additional Battery									
PMAD4094A	NNTN9089A	PMLN7947A w/ PMLN7965A	PMMN4123A	155.0000	6.55	-0.11	1.00	0.52	ZZ-AB-181227-11

Assessments at the Body with Body worn PMLN7948A w/ NTN8266B

DUT assessment with offered antennas, default battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 7

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9087A	PMLN7948A w/ NTN8266B	PMMN4123A	150.8000					
				158.3000					
				167.0000					
				173.4000	6.51	-0.98	0.58	0.37	ZZ-AB-181227-12
PMAD4088B				150.8000					
				158.3000					
				167.0000					
PMAD4094A				173.4000	6.44	0.18	0.35	0.18	ZZ-AB-181227-13
				150.8000					
PMAD4095A				155.0000	6.44	-0.42	1.05	0.59	ZZ-AB-181227-15
				160.0000					
				167.0000					
				173.4000	6.52	-0.40	0.28	0.16	ZZ-AB-181227-16

Assessments at the Body with Body worn PMLN7948A w/ PMLN7965A

DUT assessment with offered antennas, default battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 8

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9087A	PMLN7948A w/ PMLN7965A	PMMN4123A	150.8000					
				158.3000					
				167.0000					
173.4000				6.52	-0.88	0.51	0.32	ZZ-AB-181227-17	
150.8000									
158.3000									
167.0000									
173.4000				6.54	0.18	0.31	0.16	FD-AB-181227-18	
150.8000									
155.0000				6.49	-0.97	1.00	0.64	FD-AB-181227-20	
160.0000									
167.0000									
173.4000	6.56	-0.55	0.26	0.15	FD-AB-181227-21				

Assessments at the Body with Body worn PMLN7948A w/ PMLN5407A

DUT assessment with offered antennas, default battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 9

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9087A	PMLN7948A w/ PMLN5407A	PMMN4123A	150.8000					
				158.3000					
				167.0000					
				173.4000	6.57	-0.86	0.27	0.16	FD-AB-181227-22
PMAD4088B				150.8000					
				158.3000					
				167.0000					
PMAD4094A				173.4000	6.56	0.18	0.16	0.08	FD-AB-181228-01#
				150.8000					
				155.0000	6.49	-0.78	0.64	0.39	FD-AB-181228-03#
PMAD4095A				160.0000					
				167.0000					
				173.4000	6.58	-0.58	0.10	0.06	FD-AB-181228-04#

Assessments at the Body with Body worn PMLN7948A w/ PMLN5408A

DUT assessment with offered antennas, default battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 10

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9087A	PMLN7948A w/ PMLN5408A	PMMN4123A	150.8000					
				158.3000					
				167.0000					
				173.4000	6.55	-0.85	0.16	0.10	FD-AB-181228-05#
PMAD4088B				150.8000					
				158.3000					
				167.0000					
				173.4000	6.50	0.11	0.11	0.05	FD-AB-181228-06#
PMAD4094A				150.8000					
				155.0000	6.40	-0.44	0.51	0.29	ZZ-AB-181228-07#
PMAD4095A				160.0000					
				167.0000					
	173.4000	6.47	-0.54	0.10	0.06	ZZ-AB-181228-08#			

Assessments at the Body with Body worn PMLN7948A w/ PMLN5409A

DUT assessment with offered antennas, default battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 11

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9087A	PMLN7948A w/ PMLN5409A	PMMN4123A	150.8000					
				158.3000					
				167.0000					
				173.4000	6.48	-0.85	0.22	0.14	ZZ-AB-181228-11
PMAD4088B				150.8000					
				158.3000					
				167.0000					
PMAD4094A				173.4000	6.50	0.11	0.15	0.07	FD-AB-181228-14
				150.8000					
PMAD4095A				155.0000	6.49	-0.97	0.56	0.36	FD-AB-181228-16
				160.0000					
				167.0000					
				173.4000	6.60	-0.55	0.10	0.06	FD-AB-181229-01#

Assessments at the Body with Body worn PMLN7964A w/ NTN8266B

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 12

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9089A	PMLN7964A w/ NTN8266B	PMMN4123A	150.8000					
				158.3000					
				167.0000					
				173.4000	6.60	-0.91	0.60	0.37	FD-AB-181229-02#
PMAD4088B				150.8000					
				158.3000					
				167.0000					
PMAD4094A				173.4000	6.56	0.20	0.38	0.19	FD-AB-181229-03#
				150.8000					
PMAD4095A				155.0000	6.50	-0.56	1.01	0.58	FD-AB-181229-05#
				160.0000					
				167.0000					
	173.4000	6.58	-0.47	0.32	0.18	FD-AB-181229-06#			

Assessments at the Body with Body worn PMLN7964A w/ PMLN7965A

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 13

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g- SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9089A	PMLN7964A w/ PMLN7965A	PMMN4123A	150.8000					
				158.3000					
				167.0000					
				173.4000	6.39	0.07	0.32	0.17	FD-AB-190102-04
PMAD4088B				150.8000					
				158.3000					
				167.0000					
PMAD4094A				173.4000	6.48	0.14	0.33	0.17	FD-AB-190102-05
				150.8000					
				155.0000	6.39	-0.98	0.66	0.43	ZZ-AB-190102-06
PMAD4095A				160.0000					
				167.0000					
				173.4000	6.30	-0.46	0.28	0.16	ZZ-AB-190102-07

Assessments at the Body with Body worn PMLN7964A w/ PMLN5407A

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 14

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9089A	PMLN7964A w/ PMLN5407A	PMMN4123A	150.8000					
				158.3000					
				167.0000					
				173.4000	6.34	-0.02	0.25	0.13	ZZ-AB-190102-08
PMAD4088B				150.8000					
				158.3000					
				167.0000					
PMAD4094A				173.4000	6.37	0.19	0.16	0.08	ZZ-AB-190102-11
				150.8000					
				155.0000	6.36	-0.76	0.68	0.42	ZZ-AB-190103-02#
PMAD4095A				160.0000					
				167.0000					
				173.4000	6.45	-0.57	0.14	0.08	ZZ-AB-190103-03#

Assessments at the Body with Body worn PMLN7964A w/ PMLN5408A

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 15

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9089A	PMLN7964A w/ PMLN5408A	PMMN4123A	150.8000					
				158.3000					
				167.0000					
				173.4000	6.39	-0.03	0.17	0.09	ZZ-AB-190103-04#
PMAD4088B				150.8000					
				158.3000					
				167.0000					
PMAD4094A				173.4000	6.44	0.14	0.17	0.09	ZZ-AB-190103-05#
				150.8000					
				155.0000	6.42	-0.47	0.62	0.36	FD-AB-190103-07#
PMAD4095A				160.0000					
				167.0000					
	173.4000	6.48	-0.48	0.12	0.07	FD-AB-190103-08#			

Assessments at the Body with Body worn PMLN7964A w/ PMLN5409A

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 16

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9089A	PMLN7964A w/ PMLN5409A	PMMN4123A	150.8000					
				158.3000					
				167.0000					
				173.4000	6.45	0.00	0.12	0.06	FD-AB-190103-10
PMAD4088B				150.8000					
				158.3000					
				167.0000					
PMAD4094A				173.4000	6.51	0.20	0.15	0.07	FD-AB-190103-11
				150.8000					
				155.0000	6.43	-0.78	0.64	0.39	FD-AB-190103-13
PMAD4095A				160.0000					
				167.0000					
				173.4000	6.49	-0.56	0.11	0.06	FD-AB-190103-14

Assessment at the Body with other audio accessories

Assessment per “KDB 643646 Body SAR Test Consideration for Audio Accessories without Built-in Antenna; Sec 1, A. when overall ≤ 4.0 W/kg, SAR tested for that audio accessory is not necessary.” This was applicable to all remaining accessories.

Assessment of wireless BT configuration

Assessment using the overall highest SAR configuration at the body from above without audio accessory attached. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 17

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
PMAD4094A	NNTN9087A	PMLN7948A w/ PMLN7965A	None	150.8000					
				155.0000	6.36	-0.72	2.03	1.24	FD-AB-190104-06#

4.1.2 Assessment at the Face for 150.8-173.4 MHz band**Output Power Data**

Battery NNTN9089A was selected as the default battery for assessments at the Face because it is the highest capacity battery (refer to Exhibit 7B for battery illustration). The default battery was used during conducted power measurements for all test channels within FCC allocated frequency range (150.8-173.4MHz) which are listed in table below. The channel with the highest conducted power will be identified as the default channel per KDB 643646 (SAR Test for PTT Radios).

Table 18

Test Freq (MHz)	Power (W)
150.8000	6.28
155.0000	6.31
158.3000	6.30
160.0000	6.31
167.0000	6.31
173.4000	6.35

Table below presents the data of the face assessment with front of DUT positioned 2.5 cm facing the phantom per KDB 643646. Optional battery was tested per the requirements of KDB 643646. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 19

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9089A	@ front (Non-Display side against the phantom)	None	150.8000					
				158.3000					
				167.0000					
173.4000				6.34	-0.65	0.77	0.46	FD-FACE-181225-02	
150.8000									
158.3000									
167.0000									
173.4000				6.40	0.20	0.49	0.25	ZZ-FACE-181225-03	
150.8000									
155.0000				6.45	-0.16	1.44	0.76	ZZ-FACE-181225-06	
160.0000									
167.0000									
173.4000	6.46	-0.69	0.63	0.38	ZZ-FACE-181225-07				
Assessment of Additional Battery									
PMAD4094A	NNTN9087A	@ front (Non-Display side against the phantom)	None	155.0000	6.44	0.03	1.20	0.61	ZZ-FACE-181225-08

Table below presents the data of the face assessment with back of DUT positioned 2.5 cm facing the phantom per KDB 643646. Optional battery was tested per the requirements of KDB 643646. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 20

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#	
KT000026A01	NNTN9089A	@ back (Display side against the phantom)	None	150.8000						
				158.3000						
				167.0000						
				173.4000	6.44	-0.80	1.03	0.63	ZZ-FACE-181225-09	
PMAD4088B				150.8000						
				158.3000						
				167.0000						
PMAD4094A				173.4000	6.44	0.16	0.73	0.37	ZZ-FACE-181225-10	
				150.8000						
				155.0000	6.44	-0.28	1.76	0.96	ZZ-FACE-181225-12	
PMAD4095A				160.0000						
				167.0000						
				173.4000	6.41	-0.57	0.81	0.48	ZZ-FACE-181225-12	
Assessment of Additional Battery										
PMAD4094A	NNTN9087A	@ back (Display side against the phantom)	None	155.0000	6.41	-0.45	2.08	1.19	FD-FACE-181225-15	

4.1.3 Assessment for ISED Canada (VHF)

Based on the assessment results for body and face per KDB 643646, additional tests were not required for ISED Canada frequency range (150.8-173.4 MHz) as testing performed is in compliance with ISED Canada frequency range. Test need to cover the frequency range from (138-150MHz).

Table 21

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
Body									
KT000026A01	NNTN9087A	PMLN7948A w/ PMLN7965A	None	143.4000	6.39	-0.30	1.95	1.17	ZZ-AB-190103-18
PMAD4088B				143.4000	6.39	-0.17	0.94	0.51	ZZ-AB-190103-20
PMAD4093A				143.4000	6.40	-0.54	0.75	0.44	ZZ-AB-190103-22
				147.0000	6.40	-0.74	0.68	0.42	ZZ-AB-190104-01#
PMAD4094A				147.0000	6.38	0.20	0.25	0.13	ZZ-AB-190104-02#

Table 21 Continued

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
Face									
KT000026A01	NNTN9087A	@ back (Display side against the phantom)	None	143.4000	6.39	-0.28	1.65	0.91	FD-FACE-181225-18
PMAD4088B				143.4000	6.39	-0.16	1.01	0.54	FD-FACE-181226-02#
PMAD4093A				143.4000	6.39	-0.42	0.80	0.46	FD-FACE-181226-04#
				147.0000	6.39	-0.72	0.69	0.42	FD-FACE-181226-05#
PMAD4094A				147.0000	6.38	0.28	0.24	0.13	FD-FACE-181226-06#

As per ISED Notice 2016-DRS001, additional tests were required for the low, mid and high frequency channels for the configuration with the highest SAR value.

Table 22

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
Body									
PMAD4094A	NNTN9087A	PMLN7948A w/ PMLN7965A	None	147.0000	6.38	0.20	0.25	0.13	ZZ-AB-190104-02#
				155.0000	6.36	-0.72	2.03	1.24	FD-AB-190104-06#
				160.0000	6.41	-0.58	0.60	0.50	ZZ-AB-190111-02#
Face									
PMAD4094A	NNTN9087A	@ back (Display side against the phantom)	None	147.0000	6.38	0.28	0.24	0.13	FD-FACE-181226-06#
				155.0000	6.41	-0.45	2.08	1.19	FD-FACE-181225-15
				160.0000	6.40	-0.10	0.87	0.46	ZZ-FACE-190110-11#

4.1.4 Assessment for outside FCC and ISED Frequency range (VHF)

Assessment of outside FCC frequency range using highest SAR configuration from above. SAR plots of the highest results per Table (bolded) for Body and Face configurations are presented in the Appendix.

Table 23

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
Body									
KT000026A01	NNTN9087A	PMLN7948A w/ PMLN7965A	None	136.0000	6.48	-0.39	2.95	1.64	ZZ-AB-190103-17
PMAD4088B				136.0000	6.39	-0.57	1.96	1.15	ZZ-AB-190103-19
PMAD4093A				136.0000	6.37	-0.61	0.93	0.55	FD-AB-190104-05#
Face									
KT000026A01	NNTN9087A	@ back (Display side against the phantom)	None	136.0000	6.35	-0.58	2.60	1.54	ZZ-FACE-181226-09
PMAD4088B				136.0000	6.50	-0.54	2.07	1.19	FD-FACE-181226-01#
PMAD4093A				136.0000	6.50	-0.60	0.85	0.50	FD-FACE-181226-03#

4.2 SAR assessment for LMR UHF R1

4.2.1 Assessment at the Body for 406.125-470 MHz band

Output Power Data

Battery NNTN9087A was selected as the default battery for assessments at the Body because it is the thinnest battery (refer to Exhibit 7B for battery illustration). The default battery was used during conducted power measurements for all test channels within FCC allocated frequency range (406.125-470 MHz) which are listed in table below. The channel with the highest conducted power will be identified as the default channel per KDB 643646 (SAR Test for PTT Radios).

Table 24

Test Freq (MHz)	Power (W)
406.1250	5.57
422.1000	5.60
438.1000	5.49
450.0000	5.49
460.0000	5.49
470.0000	5.54

Assessment at the Body with Body worn PMLN7947A w/ NTN8266B

DUT assessment with offered antennas, default battery and, default body worn accessory per KDB 643646. Optional battery was tested per the requirements of KDB 643646. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 25

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9087A	PMLN7947A w/ NTN8266B	PMMN4123A	406.1250					
				422.1000	5.48	-0.21	6.84	3.73	LOH-AB-181225-04
				438.1000					
				450.0000					
470.0000				5.60	-0.34	7.08	3.90	LOH-AB-181225-06	
PMAE4100A				406.1250					
				422.1000	5.51	-0.26	6.37	3.50	AM-AB-181225-07
				438.1000					
				450.0000					
470.0000									
PMAE4022B				406.1250	5.52	-0.17	9.37	5.03	AM-AB-181225-09
				422.1000	5.52	-0.25	8.78	4.80	AM-AB-181225-08
				438.1000	5.52	-0.16	8.46	4.53	AM-AB-181225-10
				450.0000					
PMAE4049A				470.0000	5.52	-0.23	6.11	3.33	AM-AB-181225-11
				450.0000	5.53	-0.26	8.20	4.49	AM-AB-181225-13
				460.0000	5.55	-0.22	8.78	4.74	AM-AB-181225-14
				470.0000	5.54	-0.41	11.50	6.50	AM-AB-181225-12
PMAE4102A				450.0000	5.52	-0.06	7.72	4.04	LOH-AB-181226-05
				460.0000	5.53	-0.11	9.98	5.28	LOH-AB-181226-04
				470.0000	5.60	-0.45	9.19	5.19	LOH-AB-181226-03
Assessment of Additional Battery									
PMAE4022B	NNTN9089A	PMLN7947A w/ NTN8266B	PMMN4123A	406.1250	5.54	-0.22	8.32	4.50	LOH-AB-181226-06
PMAE4049A				470.0000	5.56	-0.22	9.03	4.87	LOH-AB-181226-07
				460.0000	5.54	-0.37	8.78	4.92	AM-AB-181226-08
PMAE4102A				460.0000	5.52	-0.27	9.25	5.08	AM-AB-181226-09

Assessment at the Body with Body worn PMLN7947A w/ PMLN7965A

DUT assessment with offered antennas, default battery and, default body worn accessory per KDB 643646. Optional battery was tested per the requirements of KDB 643646. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 26

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9087A	PMLN7947A w/ PMLN7965A	PMMN4123A	406.1250	5.56	-0.21	4.88	2.63	AM-AB-181226-11
				422.1000	5.54	-0.21	7.54	4.07	AM-AB-181226-10
				438.1000	5.54	-0.27	7.26	3.97	AM-AB-181226-12
				450.0000					
				470.0000	5.52	-0.43	6.73	3.84	AM-AB-181226-13
PMAE4100A				406.1250					
				422.1000	5.56	-0.29	6.01	3.29	LOH-AB-181226-14
				438.1000					
				450.0000					
				470.0000					
PMAE4022B				406.1250	5.57	-0.16	8.41	4.46	LOH-AB-181226-16
				422.1000	5.56	-0.22	8.01	4.32	LOH-AB-181226-15
				438.1000	5.54	-0.20	7.53	4.06	LOH-AB-181226-17
				450.0000					
				470.0000	5.60	-0.24	5.29	2.85	LOH-AB-181226-18
PMAE4049A				450.0000	5.58	-0.21	7.49	4.02	LOH-AB-181227-04
				460.0000	5.57	-0.24	8.34	4.51	LOH-AB-181227-03
				470.0000	5.59	-0.48	9.78	5.57	LOH-AB-181227-02
PMAE4102A				450.0000	5.58	-0.10	7.24	3.78	LOH-AB-181227-07
				460.0000	5.57	-0.04	9.00	4.65	LOH-AB-181227-06
				470.0000	5.59	-0.39	8.64	4.82	LOH-AB-181227-05
Assessment of Additional Battery									
KT000026A01	NNTN9089A	PMLN7947A w/ PMLN7965A	PMMN4123A	422.1000	5.54	-0.17	6.95	3.72	AM-AB-181227-08
PMAE4022B				406.1250	5.53	-0.14	7.72	4.11	AM-AB-181227-09
PMAE4049A				470.0000	5.55	-0.17	8.98	4.80	AM-AB-181227-10
PMAE4102A				470.0000	5.49	-0.27	8.92	4.93	AM-AB-181227-11

Assessment at the Body with Body worn PMLN7948A w/ NTN8266B

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 27

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g- SAR (W/kg)	Max Calc. 1g- SAR (W/kg)	Run#
KT000026A01	NNTN9087A	PMLN7948A w/ NTN8266B	PMMN4123A	406.1250	5.49	-0.25	4.49	2.47	AM-AB-181227-13
				422.1000	5.49	-0.19	7.45	4.04	AM-AB-181227-12
				438.1000	5.52	-0.36	7.26	4.07	AM-AB-181227-14
				450.0000					
				470.0000	5.54	-0.42	6.90	3.91	AM-AB-181227-15
PMAE4100A				406.1250					
				422.1000	5.61	-0.29	6.20	3.37	AM-AB-181227-16
				438.1000					
				450.0000					
				470.0000					
PMAE4022B				406.1250	5.57	-0.20	8.58	4.60	LOH-AB-181227-18
				422.1000	5.58	-0.19	8.10	4.32	AM-AB-181227-17
				438.1000	5.56	-0.22	7.49	4.04	LOH-AB-181227-19
				450.0000					
				470.0000	5.54	-0.28	5.42	2.97	LOH-AB-181227-20
PMAE4049A				450.0000	5.58	-0.29	7.87	4.30	LOH-AB-181227-22
				460.0000	5.60	-0.28	8.69	4.72	LOH-AB-181228-02
				470.0000	5.56	-0.56	10.50	6.12	LOH-AB-181227-21
PMAE4102A				450.0000	5.58	-0.15	7.73	4.09	LOH-AB-181228-05
				460.0000	5.60	-0.07	10.00	5.17	LOH-AB-181228-04
				470.0000	5.59	-0.40	8.99	5.03	LOH-AB-181228-03

Assessment at the Body with Body worn PMLN7948A w/ PMLN7965A

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 28

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g- SAR (W/kg)	Max Calc. 1g- SAR (W/kg)	Run#
KT000026A01	NNTN9087A	PMLN7948A w/ PMLN7965A	PMMN4123A	406.1250					
				422.1000	5.63	-0.26	6.19	3.33	LOH-AB-181228-06
				438.1000					
				450.0000					
				470.0000					
PMAE4100A	NNTN9087A	PMLN7948A w/ PMLN7965A	PMMN4123A	406.1250					
				422.1000	5.60	-0.29	5.54	3.01	AM-AB-181228-07
				438.1000					
				450.0000					
				470.0000					
PMAE4022B				406.1250					
				422.1000	5.62	-0.24	7.14	3.83	AM-AB-181228-08
				438.1000					
				450.0000					
PMAE4049A				470.0000	5.58	-0.31	4.95	2.72	AM-AB-181228-09
				450.0000	5.58	-0.32	7.68	4.22	AM-AB-181228-12
				460.0000	5.58	-0.28	8.74	4.76	AM-AB-181228-11
				470.0000	5.63	-0.52	9.39	5.36	AM-AB-181228-10
PMAE4102A	NNTN9087A	PMLN7948A w/ PMLN7965A	PMMN4123A	450.0000	5.58	-0.18	7.21	3.84	LOH-AB-181228-13
				460.0000	5.59	-0.18	8.78	4.67	LOH-AB-181228-15
				470.0000	5.61	-0.48	8.26	4.69	LOH-AB-181228-14

Assessment at the Body with Body worn PMLN7948A w/ PMLN5407A

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 29

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9087A	PMLN7948A w/ PMLN5407A	PMMN4123A	406.1250					
				422.1000	5.61	-0.29	3.23	1.75	LOH-AB-181228-16
				438.1000					
				450.0000					
				470.0000					
PMAE4100A	NNTN9087A	PMLN7948A w/ PMLN5407A	PMMN4123A	406.1250					
				422.1000	5.60	-0.33	2.94	1.61	LOH-AB-181229-02
				438.1000					
				450.0000					
				470.0000					
PMAE4022B				406.1250					
				422.1000	5.60	-0.31	3.56	1.95	LOH-AB-181229-03
				438.1000					
				450.0000					
				470.0000					
PMAE4049A				450.0000					
				460.0000					
				470.0000	5.62	-0.44	5.52	3.10	LOH-AB-181229-04
PMAE4102A	NNTN9087A	PMLN7948A w/ PMLN5407A	PMMN4123A	450.0000					
				460.0000					
				470.0000	5.64	-0.38	4.67	2.58	LOH-AB-181229-05

Assessment at the Body with Body worn PMLN7948A w/ PMLN5408A

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 30

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9087A	PMLN7948A w/ PMLN5408A	PMMN4123A	406.1250					
				422.1000	5.61	-0.23	2.95	1.58	LOH-AB-181229-06
				438.1000					
				450.0000					
				470.0000					
PMAE4100A				406.1250					
				422.1000	5.61	-0.29	2.46	1.34	LOH-AB-181229-07
				438.1000					
				450.0000					
				470.0000					
PMAE4022B				406.1250					
				422.1000	5.60	-0.17	2.79	1.48	LOH-AB-181230-02
				438.1000					
				450.0000					
				470.0000					
PMAE4049A				450.0000					
				460.0000					
				470.0000	5.58	-0.23	5.20	2.80	LOH-AB-181230-03
PMAE4102A	NNTN9087A	PMLN7948A w/ PMLN5408A	PMMN4123A	450.0000					
				460.0000					
				470.0000	5.59	-0.42	4.47	2.51	LOH-AB-181230-04

Assessment at the Body with Body worn PMLN7948A w/ PMLN5409A

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 31

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9087A	PMLN7948A w/ PMLN5409A	PMMN4123A	406.1250					
				422.1000	5.61	-0.21	3.03	1.62	LOH-AB-181230-05
				438.1000					
				450.0000					
				470.0000					
PMAE4100A				406.1250					
				422.1000	5.60	-0.33	2.63	1.44	LOH-AB-181230-06
				438.1000					
				450.0000					
				470.0000					
PMAE4022B				406.1250					
				422.1000	5.58	-0.24	3.54	1.91	LOH-AB-181230-07
				438.1000					
				450.0000					
				470.0000					
PMAE4049A				450.0000					
				460.0000					
				470.0000	5.64	-0.37	5.23	2.88	LOH-AB-181230-08
PMAE4102A				450.0000					
				460.0000					
				470.0000	5.62	-0.40	4.66	2.59	LOH-AB-181230-09

Assessment at the Body with Body worn PMLN7964A w/ NTN8266B

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 32

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9089A	PMLN7964A w/ NTN8266B	PMMN4123A	406.1250					
				422.1000	5.60	-0.41	6.35	3.55	LOH-AB-181230-10
				438.1000					
				450.0000					
470.0000				5.57	-0.45	6.18	3.51	LOH-AB-181231-02	
PMAE4100A				406.1250					
				422.1000	5.60	-0.37	5.28	2.93	LOH-AB-181231-03
				438.1000					
				450.0000					
470.0000									
PMAE4022B				406.1250					
				422.1000	5.58	-0.24	7.12	3.84	LOH-AB-181231-04
				438.1000					
				450.0000					
470.0000				5.59	-0.25	4.63	2.50	AN-AB-181231-05	
PMAE4049A				450.0000	5.58	-0.27	8.56	4.65	AN-AB-181231-08
				460.0000	5.60	-0.18	8.60	4.56	AN-AB-181231-07
				470.0000	5.57	-0.20	8.78	4.70	AN-AB-181231-06
PMAE4102A				450.0000	5.53	-0.27	8.60	4.72	LOH-AB-190102-03
				460.0000	5.51	-0.19	8.60	4.65	LOH-AB-190102-02
	470.0000	5.58	-0.31	8.80	4.83	AN-AB-181231-09			

Assessment at the Body with Body worn PMLN7964A w/ PMLN7965A

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 33

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9089A	PMLN7964A w/ PMLN7965A	PMMN4123A	406.1250					
				422.1000	5.56	-0.32	5.83	3.22	LOH-AB-190102-04
				438.1000					
				450.0000					
				470.0000					
PMAE4100A				406.1250					
				422.1000	5.56	-0.30	4.56	2.50	LOH-AB-190102-05
				438.1000					
				450.0000					
				470.0000					
PMAE4022B				406.1250					
				422.1000	5.58	-0.19	5.89	3.14	LOH-AB-190102-06
				438.1000					
				450.0000					
				470.0000					
PMAE4049A				450.0000	5.59	-0.23	7.81	4.20	AN-AB-190102-08
				460.0000					
				470.0000	5.55	-0.24	7.26	3.94	LOH-AB-190102-07
PMAE4102A				450.0000	5.60	-0.20	7.56	4.03	AN-AB-190102-11
				460.0000	5.58	-0.26	7.60	4.12	AN-AB-190102-10
	470.0000	5.57	-0.26	7.70	4.18	AN-AB-190102-09			

Assessment at the Body with Body worn PMLN7964A w/ PMLN5407A

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 34

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g- SAR (W/kg)	Max Calc. 1g- SAR (W/kg)	Run#	
KT000026A01	NNTN9089A	PMLN7964A w/ PMLN5407A	PMMN4123A	406.1250						
				422.1000	5.62	-0.34	2.86	1.57	AN-AB-190102-12	
				438.1000						
				450.0000						
				470.0000						
PMAE4100A				406.1250						
				422.1000	5.57	-0.31	2.43	1.34	AN-AB-190102-13	
				438.1000						
				450.0000						
				470.0000						
PMAE4022B				406.1250						
				422.1000	5.55	-0.22	3.02	1.63	AN-AB-190102-14	
				438.1000						
				450.0000						
				470.0000						
PMAE4049A				450.0000						
				460.0000						
				470.0000	5.59	-0.25	2.31	1.25	AN-AB-190103-01#	
PMAE4102A				450.0000						
				460.0000						
				470.0000	5.57	-0.35	4.52	2.51	AN-AB-190103-02#	

Assessments at the Body with Body worn PMLN7964A w/ PMLN5408A

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 35

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9089A	PMLN7964A w/ PMLN5408A	PMMN4123A	406.1250					
				422.1000	5.56	-0.34	2.88	1.60	AN-AB-190103-03#
				438.1000					
				450.0000					
470.0000									
PMAE4100A				406.1250					
				422.1000	5.55	-0.37	2.40	1.34	LOH-AB-190103-04#
				438.1000					
				450.0000					
PMAE4022B				470.0000					
				406.1250					
				422.1000	5.56	-0.18	2.91	1.55	LOH-AB-190103-06
				438.1000					
PMAE4049A				450.0000					
				470.0000					
				450.0000					
	460.0000								
PMAE4102A	470.0000	5.58	-0.27	4.65	2.53	LOH-AB-190103-07			
	450.0000								
	460.0000								
	470.0000	5.59	-0.35	4.61	2.55	LOH-AB-190103-08			

Assessments at the Body with Body worn PMLN7964A w/ PMLN5409A

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 36

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9089A	PMLN7964A w/ PMLN5409A	PMMN4123A	406.1250					
				422.1000	5.55	-0.34	3.43	1.90	LOH-AB-190103-09
				438.1000					
				450.0000					
				470.0000					
PMAE4100A	NNTN9089A	PMLN7964A w/ PMLN5409A	PMMN4123A	406.1250					
				422.1000	5.55	-0.38	2.69	1.51	LOH-AB-190103-10
				438.1000					
				450.0000					
				470.0000					
PMAE4022B				406.1250					
				422.1000	5.56	-0.19	3.24	1.74	LOH-AB-190103-11
				438.1000					
				450.0000					
PMAE4049A				470.0000					
				450.0000					
				460.0000					
PMAE4102A				470.0000	5.58	-0.14	4.74	2.50	AN-AB-190103-12
				450.0000					
				460.0000					
				470.0000	5.60	-0.35	4.74	2.61	AN-AB-190103-13

Assessment at the Body with other audio accessories

Assessment per “KDB 643646 Body SAR Test Consideration for Audio Accessories without Built-in Antenna”. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 37

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
PMAE4049A	NNTN9087A	PMLN7947A w/ NTN8266B	NMN6274B	450.0000	5.59	-0.18	7.33	3.90	AN-AB-190103-14
				460.0000	5.56	-0.18	9.61	5.13	AN-AB-190103-15
				470.0000	5.53	-0.44	11.40	6.50	AN-AB-190103-16
			PMLN6129A	450.0000	5.54	-0.19	7.70	4.14	AN-AB-190103-17
				460.0000	5.54	-0.20	8.78	4.73	AN-AB-190104-01#
				470.0000	5.54	-0.46	10.80	6.18	AN-AB-190104-02#
			PMMN4065A	450.0000	5.55	-0.22	7.74	4.18	AN-AB-190104-03#
				460.0000	5.52	-0.18	8.80	4.74	AN-AB-190104-04#
				470.0000	5.55	-0.45	10.80	6.15	AN-AB-190104-07
			BDN6783B w/ RLN5312B	450.0000	5.54	-0.21	7.78	4.20	AN-AB-190104-08
				460.0000	5.57	-0.18	9.50	5.07	AN-AB-190104-09
				470.0000	5.57	-0.40	11.40	6.43	AN-AB-190104-10
			HMN4101B	450.0000	5.51	-0.20	7.84	4.25	AN-AB-190106-02
				460.0000	5.53	-0.20	9.06	4.89	AN-AB-190106-03
				470.0000	5.49	-0.52	10.50	6.14	AN-AB-190106-04
			PMLN6852A	450.0000	5.57	-0.22	8.09	4.35	AN-AB-190106-02
				460.0000	5.54	-0.27	9.15	5.01	AN-AB-190106-03
				470.0000	5.53	-0.52	10.80	6.27	AN-AB-190106-04
			PMMN4106D (Cable length 2.0 meter)	450.0000	5.53	-0.24	7.48	4.07	AN-AB-190106-05
				460.0000	5.48	-0.23	9.72	5.33	AN-AB-190106-06
				470.0000	5.52	-0.46	10.90	6.26	AN-AB-190106-07
			PMMN4106D (Cable length 2.8 meter)	450.0000	5.56	-0.26	8.28	4.51	AN-AB-190106-08
				460.0000	5.51	-0.29	9.51	5.26	AN-AB-190107-02
				470.0000	5.52	-0.37	10.90	6.13	AN-AB-190107-03

Assessment of wireless BT configuration

Assessment using the overall highest SAR configuration at the body from above without audio accessory attached. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 38

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
PMAD4094A	NNTN9087A	PMLN7947A w/ NTN8266B	None	450.0000	5.50	-0.18	7.95	4.29	AN-AB-190107-04
				460.0000	5.53	-0.19	8.91	4.80	AN-AB-190107-05
				470.0000	5.57	-0.30	11.40	6.25	AN-AB-190107-06

Assessment of PSM Configuration

Output Power Data

Battery NNTN9089A was selected as the default battery for assessments at the Body with Public Safety Microphone (PSM) because it is the highest Capacity battery (refer to Exhibit 7B for battery illustration). The default battery was used during conducted power measurements for all test channels within FCC allocated frequency range (406.125-470 MHz) which are listed in table below. The channel with the highest conducted power will be identified as the default channel per KDB 643646 (SAR Test for PTT Radios).

Table 39

Test Freq (MHz)	Power (W)
406.0125	5.56
422.1000	5.60
438.1000	5.48
450.0000	5.49
460.0000	5.49
470.0000	5.54

Assessment of offered PSM audio accessories per KDB 643646. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 40

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
PMAE4065A	NNTN9089A	4205823V08 REV.N	PMMN4059B	406.1250	5.56	-0.27	7.39	4.03	AN-AB-190107-08
				422.1000	5.58	-0.26	8.06	4.37	AN-AB-190107-07
				438.1000	5.56	-0.17	8.22	4.38	AN-AB-190107-09
				450.0000	5.55	-0.20	8.77	4.72	LOH-AB-190107-11
				470.0000	5.59	-0.42	8.97	5.04	LOH-AB-190107-10
			PMMN4060B	406.1250					
				422.1000	5.57	-0.21	6.43	3.45	LOH-AB-190107-12
				438.1000					
				450.0000					
				470.0000					
			PMMN4061B	406.1250					
				422.1000	5.57	-0.19	5.62	3.00	LOH-AB-190107-13
				438.1000					
				450.0000					
				470.0000					

4.2.2 Assessment at the Face for 406.125-470 MHz band

Output Power Data

Battery NNTN9089A was selected as the default battery for assessments at the Face because it is the highest Capacity battery (refer to Exhibit 7B for battery illustration). The default battery was used during conducted power measurements for all test channels within FCC allocated frequency range (406.125-470 MHz) which are listed in table below. The channel with the highest conducted power will be identified as the default channel per KDB 643646 (SAR Test for PTT Radios).

Table 41

Test Freq (MHz)	Power (W)
406.0125	5.56
422.1000	5.60
438.1000	5.48
450.0000	5.49
460.0000	5.49
470.0000	5.54

Table below presents the data of the face assessment with front of DUT positioned 2.5 cm facing phantom per KDB 643646. Optional battery was tested per the requirements of KDB 643646. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 42

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9089A	@ front (Non-Display side against the phantom)	None	406.1250					
				422.1000	5.58	-0.26	2.80	1.52	AN-FACE-190108-08
				438.1000					
				450.0000					
				470.0000					
PMAE4100A				406.1250					
				422.1000	5.57	-0.26	3.19	1.73	AN-FACE-190108-09
				438.1000					
				450.0000					
				470.0000					
PMAE4022B				406.1250					
				422.1000	5.57	-0.18	3.71	1.98	AN-FACE-190108-10
				438.1000					
				450.0000					
				470.0000					

Table 42 Continued

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
PMAE4049A	NNTN9089A	@ front (Non-Display side against the phantom)	None	450.0000					
				460.0000					
				470.0000	5.58	-0.26	4.99	2.71	AN-FACE-190108-11
PMAE4102A				450.0000					
				460.0000					
				470.0000	5.56	-0.33	5.07	2.80	AN-FACE-190108-12
Assessment of Additional Battery									
PMAE4102A	NNTN9087A	@ front (Non-Display side against the phantom)	None	470.0000	5.55	-0.53	5.42	3.14	AN-FACE-190108-13

Table below presents the data of the face assessment with back of DUT positioned 2.5 cm facing phantom per KDB 643646. Optional battery was tested per the requirements of KDB 643646. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 43

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#	
KT000026A01	NNTN9089A	@ back (Display side against the phantom)	None	406.1250						
				422.1000	5.56	-0.24	5.17	2.80	AN-FACE-190108-14	
				438.1000						
				450.0000						
				470.0000						
PMAE4100A				406.1250						
				422.1000	5.56	-0.25	5.67	3.08	AN-FACE-190108-15	
				438.1000						
				450.0000						
				470.0000						
PMAE4022B	NNTN9089A	@ back (Display side against the phantom)	None	406.1250						
				422.1000	5.57	-0.16	6.77	3.59	LOH-FACE-190108-16	
				438.1000						
				450.0000						
				470.0000	5.55	-0.22	4.35	2.35	LOH-FACE-190108-17	
PMAE4049A				450.0000	5.50	-0.34	6.86	3.84	LOH-FACE-190108-20	
				460.0000	5.58	-0.18	8.24	4.39	LOH-FACE-190108-19	
				470.0000	5.56	-0.26	8.11	4.41	LOH-FACE-190108-18	
PMAE4102A				450.0000	5.50	-0.13	6.26	3.34	LOH-FACE-190109-03#	
				460.0000	5.58	-0.30	7.99	4.37	LOH-FACE-190109-02#	
				470.0000	5.56	-0.31	7.48	4.12	LOH-FACE-190109-01#	
Assessment of Additional Battery										
PMAE4049A	NNTN9087A	@ back (Display side against the phantom)	None	470.0000	5.57	-0.47	9.68	5.52	LOH-FACE-190109-04#	
PMAE4102A				460.0000	5.58	0.08	7.44	3.80	LOH-FACE-190109-05#	

4.2.3 Assessment for ISED Canada (UHF R1)

Based on the assessment results for body and face per KDB643646, additional tests were not required for ISED Canada frequency range (406.125-430 MHz) and (450-470 MHz) as testing performed is in compliance with ISED Canada frequency range.

As per ISED Notice 2016-DRS001, additional tests were required for the low, mid and high frequency channels for the configuration with the highest SAR value.

Table 44

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
Body									
PMAE4049A	NNTN9087A	PMLN7947A w/ NTN8266B	PMMN4123A	450.0000	5.53	-0.26	8.20	4.49	AM-AB-181225-13
				460.0000	5.55	-0.22	8.78	4.74	AM-AB-181225-14
				470.0000	5.54	-0.41	11.50	6.50	AM-AB-181225-12
Face									
PMAE4049A	NNTN9087A	@ back (Display side against the phantom)	None	450.0000	5.52	-0.31	7.17	3.98	FD(BL)-FACE-190116-05
				460.0000	5.53	-0.18	7.51	4.03	FD(BL)-FACE-190116-06
				470.0000	5.57	-0.47	9.68	5.52	LOH-FACE-190109-04#

4.2.4 Assessment for outside FCC and ISED Frequency range (UHF R1)

Assessment of outside FCC and ISED frequency range using highest SAR configuration from above. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 45

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
Body									
KT000026A01	NNTN9087A	PMLN7947A w/ NTN8266B	PMMN4123A	380.0000	5.49	-0.16	2.67	1.44	LOH(IZ)-AB-190314-11
				393.1000	5.56	-0.33	3.31	1.83	LOH(IZ)-AB-190314-12
PMAE4100A				380.0000	5.53	-0.24	8.34	4.54	LOH-AB-190108-04
				393.1000	5.56	-0.20	10.00	5.37	LOH-AB-190108-05
PMAE4022B				380.0000	5.52	-0.28	7.42	4.09	LOH(IZ)-AB-190314-13
				393.1000	5.56	-0.24	8.92	4.83	LOH(IZ)-AB-190314-14

Table 45 Continued

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
PSM									
PMAE4065A	NNTN9089A	4205823V08	PMMN4059B	380.0000	5.54	-0.36	4.98	2.78	AM-AB-190227-13
				393.1000	5.53	-0.26	6.28	3.44	AM-AB-190228-01#
Face									
KT000026A01	NNTN9087A	@ back (Display side against the phantom)	None	380.0000	5.46	-0.21	1.99	1.09	AM(IZ)-FACE-190318-04
				393.1000	5.46	-0.20	2.81	1.54	AM(IZ)-FACE-190318-05
PMAE4100A				380.0000	5.45	-0.17	5.36	2.91	AM(IZ)-FACE-190318-06
				393.1000	5.46	-0.13	8.29	4.46	LOH-FACE-190318-07
PMAE4022B				380.0000	5.46	-0.25	5.26	2.91	LOH-FACE-190318-08
				393.1000	5.46	-0.25	7.99	4.42	LOH-FACE-190318-09

4.3 SAR assessment for LMR UHF R2

4.3.1 Assessment at the Body for 450-512 MHz band

Output Power Data

Battery NNTN9087A was selected as the default battery for assessments at the Body because it is the thinnest battery (refer to Exhibit 7B for battery illustration). The default battery was used during conducted power measurements for all test channels within FCC allocated frequency range (450-512 MHz) which are listed in table below. The channel with the highest conducted power will be identified as the default channel per KDB 643646 (SAR Test for PTT Radios).

Table 46

Test Freq (MHz)	Power (W)
450.0000	5.43
460.0000	5.44
470.0000	5.48
481.0000	5.49
496.5000	5.50
512.0000	5.50

Assessment at the Body with Body worn PMLN7947A w/ NTN8266B

DUT assessment with offered antennas, default battery and, default body worn accessory per KDB 643646. Optional battery was tested per the requirements of KDB 643646. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 47

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9087A	PMLN7947A w/ NTN8266B	PMMN4123A	450.0000					
				460.0000					
				481.0000					
				496.5000	5.59	-0.66	5.02	2.98	AM-AB-190102-02
				512.0000					
PMAE4049A	NNTN9087A	PMLN7947A w/ NTN8266B	PMMN4123A	450.0000	5.51	-0.28	8.28	4.57	AM-AB-190104-04
				460.0000	5.43	-0.23	8.39	4.64	AM-AB-190104-03
				481.0000	5.49	-0.25	10.20	5.61	AM-AB-190102-04
				496.5000	5.59	-0.28	10.20	5.55	AM-AB-190102-03
				512.0000	5.49	-0.34	9.33	5.24	AM-AB-190104-02
PMAE4102A	NNTN9087A	PMLN7947A w/ NTN8266B	PMMN4123A	450.0000	5.55	-0.12	7.64	4.03	AN-AB-190110-08
				460.0000	5.53	0.00	9.80	5.05	AN-AB-190110-07
				481.0000	5.54	-0.53	8.80	5.11	AN-AB-190110-05
				496.5000	5.52	-0.57	7.01	4.13	AM-AB-190104-05
				512.0000	5.51	-0.31	5.99	3.33	AN-AB-190110-06
PMAE4022B				450.0000					
				460.0000					
PMAE4100A				470.0000	5.56	-0.24	5.93	3.21	AN-AB-190128-06
				450.0000					
				460.0000					
	470.0000	5.56	-0.43	2.76	1.56	AN-AB-190110-10			
Assessment of Additional Battery									
PMAE4049A	NNTN9089A	PMLN7947A w/ NTN8266B	PMMN4123A	481.0000	5.55	-0.14	8.71	4.62	AN-AB-190110-11
PMAE4102A				481.0000	5.57	-0.28	7.82	4.27	AN-AB-190110-12

Assessment at the Body with Body worn PMLN7947A w/ PMLN7965A

DUT assessment with offered antennas, default battery and, default body worn accessory per KDB 643646. Optional battery was tested per the requirements of KDB 643646. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 48

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9087A	PMLN7947A w/ PMLN7965A	PMMN4123A	450.0000					
				460.0000					
				481.0000					
				496.5000	5.54	-0.44	4.76	2.71	LOH(BL)-AB-190111-01#
				512.0000					
450.0000				5.55	-0.20	7.77	4.18	AN-AB-190111-07	
460.0000				5.55	-0.31	8.07	4.45	AN-AB-190111-06	
481.0000				5.56	-0.20	9.97	5.35	LOH(BL)-AB-190111-03#	
496.5000				5.53	-0.18	9.42	5.06	LOH(BL)-AB-190111-02#	
512.0000				5.53	-0.18	8.36	4.49	AN-AB-190111-05	
450.0000				5.54	-0.05	7.20	3.75	AN-AB-190111-10	
460.0000				5.54	-0.05	8.95	4.66	AN-AB-190111-09	
481.0000									
496.5000				5.53	-0.40	6.85	3.87	AN-AB-190111-08	
512.0000									
PMAE4022B				450.0000					
				460.0000					
	470.0000	5.56	-0.29	4.96	2.72	AN-AB-190111-11			
PMAE4100A	450.0000								
	460.0000								
	470.0000	5.54	-0.43	2.52	1.43	AN-AB-190114-02			
Assessment of Additional Battery									
PMAE4049A	NNTN9089A	PMLN7947A w/ PMLN7965A	PMMN4123A	481.0000	5.5 7	-0.19	7.66	4.09	AN-AB-190114-03
PMAE4102A				460.0000	5.5 7	-0.21	8.30	4.46	AN-AB-190114-04

Assessment at the Body with Body worn PMLN7948A w/ NTN8266B

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 49

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g- SAR (W/kg)	Max Calc. 1g- SAR (W/kg)	Run#
KT000026A01	NNTN9087A	PMLN7948A w/ NTN8266B	PMMN4123A	450.0000					
				460.0000					
				481.0000					
				496.5000	5.57	-0.50	4.64	2.66	AN-AB-190114-05
				512.0000					
PMAE4049A				450.0000	5.55	-0.22	7.94	4.29	AN-AB-190115-01#
				460.0000	5.56	-0.26	8.51	4.63	AN-AB-190114-09
				481.0000	5.55	-0.25	9.37	5.10	AN-AB-190114-07
				496.5000	5.58	-0.22	8.89	4.78	AN-AB-190114-06
				512.0000	5.55	-0.21	8.31	4.48	AN-AB-190114-08
PMAE4102A				450.0000	5.55	-0.07	7.47	3.90	AN-AB-190115-05
				460.0000	5.54	-0.17	9.60	5.14	AN-AB-190115-04
				481.0000					
				496.5000	5.57	-0.42	6.93	3.91	AN-AB-190115-02#
				512.0000					
PMAE4022B				450.0000					
				460.0000					
				470.0000	5.58	-0.24	5.06	2.73	AN-AB-190115-06
PMAE4100A				450.0000					
				460.0000					
				470.0000	5.56	-0.43	2.60	1.47	AN-AB-190115-07

Assessment at the Body with Body worn PMLN7948A w/ PMLN7965A

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 50

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9087A	PMLN7948A w/ PMLN7965A	PMMN4123A	450.0000					
				460.0000					
				481.0000					
				496.5000	5.56	-0.53	4.25	2.46	AN-AB-190115-08
				512.0000					
PMAE4049A				450.0000	5.52	-0.32	6.92	3.85	AN-AB-190116-11
				460.0000	5.50	-0.34	7.90	4.43	FD(BL)-AB-190116-10
				481.0000	5.53	-0.24	8.77	4.78	AN-AB-190115-10
				496.5000	5.56	-0.23	8.30	4.49	AN-AB-190115-09
				512.0000	5.58	-0.21	7.17	3.84	AN-AB-190115-11
PMAE4102A				450.0000	5.53	-0.09	6.58	3.46	AN-AB-190116-14
				460.0000	5.55	-0.12	8.56	4.52	AN-AB-190116-13
				481.0000					
				496.5000	5.55	-0.41	6.25	3.53	AN-AB-190116-12
				512.0000					
PMAE4022B				450.0000					
				460.0000					
				470.0000	5.56	-0.33	4.59	2.54	AN-AB-190116-15
PMAE4100A				450.0000					
				460.0000					
				470.0000	5.54	-0.50	2.42	1.40	AN-AB-190116-16

Assessment at the Body with Body worn PMLN7948A w/ PMLN5407A

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 51

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9087A	PMLN7948A w/ PMLN5407A	PMMN4123A	450.0000					
				460.0000					
				481.0000					
				496.5000	5.54	-0.57	2.79	1.64	AN-AB-190116-17
				512.0000					
PMAE4049A				450.0000					
				460.0000					
				481.0000					
				496.5000	5.51	-0.25	5.31	2.91	AN-AB-190116-18
				512.0000					
PMAE4102A				450.0000					
				460.0000					
				481.0000					
				496.5000	5.53	-0.43	4.18	2.38	AN-AB-190117-01#
				512.0000					
PMAE4102A				450.0000					
				460.0000					
				481.0000					
				496.5000	5.53	-0.43	4.18	2.38	AN-AB-190117-01#
				512.0000					
PMAE4022B				450.0000					
				460.0000					
				470.0000	5.52	-0.34	2.96	1.65	AN-AB-190117-02#
PMAE4100A				450.0000					
				460.0000					
				470.0000	5.56	-0.41	1.66	0.94	FD(BL)-AB-190117-03#

Assessment at the Body with Body worn PMLN7948A w/ PMLN5408A

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 52

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g- SAR (W/kg)	Max Calc. 1g- SAR (W/kg)	Run#
KT000026A01	NNTN9087A	PMLN7948A w/ PMLN5408A	PMMN4123A	450.0000					
				460.0000					
				481.0000					
				496.5000	5.58	-0.48	2.72	1.55	FD(BL)-AB-190117-04#
				512.0000					
PMAE4049A				450.0000					
				460.0000					
				481.0000					
				496.5000	5.58	-0.24	5.17	2.79	FD(BL)-AB-190117-05#
				512.0000					
PMAE4102A				450.0000					
				460.0000					
				481.0000					
				496.5000	5.58	-0.40	4.00	2.24	FD(BL)-AB-190117-06#
				512.0000					
PMAE4022B				450.0000					
				460.0000					
				470.0000	5.56	-0.31	2.64	1.45	FD(BL)-AB-190117-07#
PMAE4100A				450.0000					
				460.0000					
				470.0000	5.55	-0.41	1.45	0.82	FD(BL)-AB-190117-08#

Assessment at the Body with Body worn PMLN7948A w/ PMLN5409A

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 53

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9087A	PMLN7948A w/ PMLN5409A	PMMN4123A	450.0000					
				460.0000					
				481.0000					
				496.5000	5.58	-0.46	2.60	1.48	FD(BL)-AB-190117-09#
				512.0000					
PMAE4049A				450.0000					
				460.0000					
				481.0000					
				496.5000	5.58	-0.26	4.58	2.48	FD(BL)-AB-190117-10#
PMAE4102A				512.0000					
				450.0000					
				460.0000					
				481.0000					
				496.5000	5.58	-0.36	4.00	2.22	FD(BL)-AB-190117-11#
PMAE4022B				512.0000					
				450.0000					
				460.0000					
PMAE4100A				470.0000	5.55	-0.30	2.45	1.35	FD(BL)-AB-190117-13
				450.0000					
				460.0000					
				470.0000	5.55	-0.44	1.39	0.79	FD(BL)-AB-190117-14

Assessment at the Body with Body worn PMLN7964A w/ NTN8266B

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 54

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g- SAR (W/kg)	Max Calc. 1g- SAR (W/kg)	Run#
KT000026A01	NNTN9089A	PMLN7964A w/ NTN8266B	PMMN4123A	450.0000					
				460.0000					
				481.0000					
				496.5000	5.51	-0.36	5.00	2.81	AN-AB-190117-15
				512.0000					
PMAE4049A				450.0000	5.56	-0.30	8.43	4.63	AN-AB-190117-20
				460.0000	5.54	-0.22	8.43	4.56	AN-AB-190117-19
				481.0000	5.54	-0.27	8.00	4.38	AN-AB-190117-17
				496.5000	5.54	-0.22	7.48	4.05	AN-AB-190117-16
				512.0000	5.52	-0.25	6.66	3.64	AN-AB-190117-18
PMAE4102A				450.0000	5.54	-0.20	8.33	4.49	AN-AB-190118-02#
				460.0000	5.57	-0.29	8.67	4.74	AN-AB-190118-01#
				481.0000					
				496.5000	5.55	-0.31	6.44	3.55	AN-AB-190117-21
				512.0000					
PMAE4022B				450.0000					
				460.0000					
				470.0000	5.55	-0.34	4.72	2.62	FD(BL)-AB-190118-03#
PMAE4100A				450.0000					
				460.0000					
				470.0000	5.55	-0.44	2.76	1.57	FD(BL)-AB-190118-04#

Assessment at the Body with Body worn PMLN7964A w/ PMLN7965A

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 55

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9089A	PMLN7964A w/ PMLN7965A	PMMN4123A	450.0000					
				460.0000					
				481.0000					
				496.5000	5.62	-0.51	4.51	2.57	FD(BL)-AB-190118-05#
				512.0000					
PMAE4049A				450.0000	5.55	-0.26	7.98	4.35	FD(BL)-AB-190118-08#
				460.0000	5.58	-0.21	7.52	4.03	FD(BL)-AB-190118-07#
				481.0000					
				496.5000	5.60	-0.30	6.76	3.69	FD(BL)-AB-190118-06#
				512.0000					
PMAE4102A				450.0000					
				460.0000					
				481.0000					
				496.5000	5.54	-0.41	6.14	3.47	AN-AB-190118-10
				512.0000					
PMAE4022B				450.0000					
				460.0000					
				470.0000	5.50	-0.33	3.99	2.23	AN-AB-190118-11
PMAE4100A				450.0000					
				460.0000					
				470.0000	5.54	-0.53	2.36	1.37	AN-AB-190118-12

Assessment at the Body with Body worn PMLN7964A w/ PMLN5407A

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 56

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9089A	PMLN7964A w/ PMLN5407A	PMMN4123A	450.0000					
				460.0000					
				481.0000					
				496.5000	5.54	-0.47	2.82	1.62	AN-AB-190118-13
				512.0000					
PMAE4049A				450.0000					
				460.0000					
				481.0000					
				496.5000	5.56	-0.29	4.06	2.22	AN-AB-190118-14
				512.0000					
PMAE4102A				450.0000					
				460.0000					
				481.0000					
				496.5000	5.53	-0.39	4.02	2.27	AN-AB-190118-15
				512.0000					
PMAE4022B				450.0000					
				460.0000					
				470.0000	5.54	-0.44	2.28	1.30	AN-AB-190118-16
PMAE4100A				450.0000					
				460.0000					
				470.0000	5.52	-0.44	1.42	0.81	AN-AB-190118-17

Assessment at the Body with Body worn PMLN7964A w/ PMLN5408A

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 57

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9089A	PMLN7964A w/ PMLN5408A	PMMN4123A	450.0000					
				460.0000					
				481.0000					
				496.5000	5.57	-0.49	2.49	1.43	AN-AB-190120-02
				512.0000					
PMAE4049A				450.0000					
				460.0000					
				481.0000					
				496.5000	5.55	-0.32	3.44	1.90	AN-AB-190120-03
				512.0000					
PMAE4102A				450.0000					
				460.0000					
				481.0000					
				496.5000	5.55	-0.38	3.30	1.85	AN-AB-190120-04
				512.0000					
PMAE4022B				450.0000					
				460.0000					
				470.0000	5.51	-0.40	1.94	1.10	AN-AB-190120-05
PMAE4100A				450.0000					
				460.0000					
				470.0000	5.52	-0.46	1.26	0.72	AN-AB-190120-06

Assessment at the Body with Body worn PMLN7964A w/ PMLN5409A

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 58

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pw r (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9089A	PMLN7964A w/ PMLN5409A	PMMN4123A	450.0000					
				460.0000					
				481.0000					
				496.5000	5.53	-0.49	2.84	1.64	AN-AB-190120-07
				512.0000					
PMAE4049A				450.0000					
				460.0000					
				481.0000					
				496.5000	5.60	-0.34	4.08	2.25	FD(BL)-AB-190120-08
				512.0000					
PMAE4102A				450.0000					
				460.0000					
				481.0000					
				496.5000	5.60	-0.38	3.91	2.17	FD(BL)-AB-190120-09
				512.0000					
PMAE4022B				450.0000					
				460.0000					
				470.0000	5.58	-0.38	2.45	1.37	FD(BL)-AB-190120-10
PMAE4100A				450.0000					
				460.0000					
				470.0000	5.58	-0.54	1.59	0.92	FD(BL)-AB-190120-11

Assessment at the Body with other audio accessories

Assessment per “KDB 643646 Body SAR Test Consideration for Audio Accessories without Built-in Antenna. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 59

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
PMAE4049A	NNTN9087A	PMLN7947A w/ NTN8266B	NMN6274B	450.0000					
				460.0000	5.55	-0.27	9.46	5.17	FD(BL)-AB-190120-13
				481.0000	5.60	-0.28	11.20	6.08	FD(BL)-AB-190121-04#
				496.5000	5.62	-0.25	10.30	5.53	FD(BL)-AB-190121-01#
				512.0000					

Table 59 Continued

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
PMAE4049A	NNTN9087A	PMLN7947A w/ NTN8266B	PMLN6129A	450.0000					
				460.0000					
				481.0000	5.60	-0.30	10.50	5.73	FD(BL)-AB-190121-05#
				496.5000					
				512.0000					
			PMMN4065A	450.0000					
				460.0000					
				481.0000	5.60	-0.29	10.30	5.60	FD(BL)-AB-190121-07
				496.5000					
				512.0000					
			BDN6783B w/ RLN5312B	450.0000					
				460.0000	5.56	-0.27	9.70	5.29	FD(BL)-AB-190121-09
				481.0000	5.60	-0.28	11.20	6.08	FD(BL)-AB-190121-08
				496.5000	5.62	-0.25	10.30	5.53	FD(BL)-AB-190121-10
				512.0000					
			HMN4101B	450.0000					
				460.0000					
				481.0000	5.60	-0.47	10.00	5.67	FD(BL)-AB-190122-01#
				496.5000					
				512.0000					
			PMLN6852A	450.0000					
				460.0000					
				481.0000	5.60	-0.27	10.90	5.90	FD(BL)-AB-190122-02#
				496.5000					
				512.0000					
			PMMN4106D (Cable length 2.0 meter)	450.0000					
				460.0000					
				481.0000	5.60	-0.29	10.50	5.71	FD(BL)-AB-190122-03#
				496.5000					
				512.0000					
			PMMN4106D (Cable length 2.8 meter)	450.0000					
				460.0000					
				481.0000	5.60	-0.27	10.80	5.85	FD(BL)-AB-190122-04#
				496.5000					
				512.0000					

Assessment of wireless BT configuration

Assessment using the overall highest SAR configuration at the body from above without audio accessory attached. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 60

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
PMAE4049A	NNTN9087A	PMLN7947A w/ NTN8266B	None	450.0000					
				460.0000					
				481.0000	5.60	-0.22	10.80	5.78	FD(BL)-AB-190122-05#
				496.5000					
				512.0000					

Assessment of PSM Configuration**Output Power Data**

Battery NNTN9089A was selected as the default battery for assessments at the Body with Public Safety Microphone (PSM) because it is the highest Capacity battery (refer to Exhibit 7B for battery illustration). The default battery was used during conducted power measurements for all test channels within FCC allocated frequency range (450-512 MHz) which are listed in table below. The channel with the highest conducted power will be identified as the default channel per KDB 643646 (SAR Test for PTT Radios).

Table 61

Test Freq (MHz)	Power (W)
450.0000	5.49
460.0000	5.49
470.0000	5.54
481.0000	5.50
496.5000	5.51
512.0000	5.50

Assessment of offered PSM audio accessories per KDB 643646. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 62

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
PMAE4065A	NNTN9089A	4205823V08 REV.N	PMMN4059B	450.0000					
				460.0000					
				481.0000					
				496.5000	5.56	-0.22	6.12	3.30	AN-AB-190127-02
				512.0000					
			PMMN4060B	450.0000	5.53	-0.22	6.47	3.51	AN-AB-190127-06
				460.0000					
				481.0000	5.54	-0.20	7.96	4.29	AN-AB-190127-04
				496.5000	5.53	-0.38	7.40	4.16	AN-AB-190127-03
				512.0000	5.51	-0.28	7.02	3.87	AN-AB-190127-05
			PMMN4061B	450.0000	5.50	-0.14	8.58	4.59	AN-AB-190127-08
				460.0000	5.52	-0.17	8.88	4.77	AN-AB-190127-09
				481.0000					
				496.5000	5.55	-0.21	6.69	3.61	AN-AB-190127-07
				512.0000					

4.3.2 Assessment at the Face for 450-512 MHz band

Output Power Data

Battery NNTN9089A was selected as the default battery for assessments at the Face because it is the highest Capacity battery (refer to Exhibit 7B for battery illustration). The default battery was used during conducted power measurements for all test channels within FCC allocated frequency range (450-512 MHz) which are listed in table below. The channel with the highest conducted power will be identified as the default channel per KDB 643646 (SAR Test for PTT Radios).

Table 63

Test Freq (MHz)	Power (W)
450.0000	5.49
460.0000	5.49
470.0000	5.54
481.0000	5.50
496.5000	5.51
512.0000	5.50

Table below presents the data of the face assessment with front of DUT positioned 2.5 cm facing phantom per KDB 643646. Optional battery was tested per the requirements of KDB 643646. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 64

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#	
KT000026A01	NNTN9089A	@ front (Non-Display side against the phantom)	None	450.0000						
				460.0000						
				481.0000						
				496.5000	5.55	-0.68	2.14	1.29	AN-FACE-190124-02	
				512.0000						
PMAE4049A				450.0000						
				460.0000						
				481.0000						
				496.5000	5.53	-0.21	4.23	2.29	AN-FACE-190124-03	
				512.0000						
PMAE4102A				450.0000						
				460.0000						
				481.0000						
				496.5000	5.54	-0.27	4.25	2.33	AN-FACE-190124-04	
				512.0000						
PMAE4022B				450.0000						
				460.0000						
				470.0000	5.51	-0.34	2.54	1.42	AN-FACE-190124-05	
PMAE4100A				450.0000						
				460.0000						
				470.0000	5.54	-0.46	1.72	0.98	AN-FACE-190124-06	
Assessment of Additional Battery										
PMAE4102A	NNTN9087A	@ front (Non-Display side against the phantom)	None	496.5000	5.50	-0.29	4.25	2.35	AN-FACE-190124-07	

Table below presents the data of the face assessment with back of DUT positioned 2.5 cm facing phantom per KDB 643646. Optional battery was tested per the requirements of KDB 643646. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 65

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9089A	@ back (Display side against the phantom)	None	450.0000					
				460.0000					
				481.0000					
				496.5000	5.56	-0.60	3.00	1.77	AN-FACE-190124-08
				512.0000					
PMAE4049A				450.0000					
				460.0000					
				481.0000					
				496.5000	5.53	-0.16	6.08	3.25	AN-FACE-190125-01#
				512.0000					
PMAE4102A				450.0000					
				460.0000					
				481.0000					
				496.5000	5.53	-0.19	5.79	3.12	AN-FACE-190125-02#
				512.0000					
PMAE4022B				450.0000					
				460.0000					
				470.0000	5.54	-0.26	4.36	2.38	AN-FACE-190125-03#
PMAE4100A				450.0000					
				460.0000					
				470.0000	5.52	-0.38	2.63	1.48	AN-FACE-190125-04#
Assessment of Additional Battery									
PMAE4049A	NNTN9087A	@ back (Display side against the phantom)	None	496.5000	5.50	-0.21	8.23	4.48	AN-FACE-190125-05#

4.3.3 Assessment for ISED Canada (UHF R2)

Based on the assessment results for body and face per KDB643646, additional tests were not required for ISED Canada frequency range (450-470 MHz) as testing performed is in compliance with ISED Canada frequency range.

As per ISED Notice 2016-DRS001, additional tests were required for the low, mid and high frequency channels for the configuration with the highest SAR value. SAR plots of the highest results per Table (bolded) for body and face configurations are presented in the Appendix.

Table 66

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
Body									
PMAE4049A	NNTN9087A	PMLN7947A w/ NTN8266B	BDN6783B w/ RLN5312B	450.0000	5.42	-0.16	7.31	3.99	LOH(IZ)-AB-190314-15
				460.0000	5.56	-0.27	9.70	5.29	FD(BL)-AB-190121-09
				470.0000	5.40	-0.08	10.10	5.43	AM-AB-190314-16
Face									
PMAE4022B	NNTN9089A	@ back (Display side against the phantom)	None	450.0000	5.43	-0.01	5.42	2.85	LOH-FACE-190315-04#
				460.0000	5.45	-0.05	4.37	2.31	LOH-FACE-190315-05#
				470.0000	5.54	-0.26	4.36	2.38	AN-FACE-190125-03#

4.3.4 Assessment for outside FCC (UHF R2)

Assessment of outside FCC frequency range using highest SAR configuration from above. SAR plots of the highest results per Table (bolded) for body and face configurations are presented in the Appendix.

Table 67

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
Body									
KT000026A01	NNTN9087A	PMLN7947A w/ NTN8266B	NMN6274B	520.0000	5.44	-0.03	1.65	0.87	AM-AB-190314-20
PMAE4049A				520.0000	5.57	-0.27	8.28	4.51	AN-AB-190128-02
PMAE4102A				520.0000	5.42	-0.14	5.24	2.85	AM-AB-190314-19
PSM									
PMAE4065A	NNTN9089A	4205823V08	PMMN4061B	520.0000	5.53	-0.36	4.06	2.27	AM-AB-190228-03
Face									
KT000026A01	NNTN9087A	@ back (Display side against the phantom)	None	520.0000	5.48	-0.07	2.18	1.15	LOH(IZ)-FACE-190315-07
PMAE4049A				520.0000	5.52	-0.19	6.76	3.65	AN-FACE-190129-03
PMAE4102A				520.0000	5.48	-0.14	5.00	2.69	LOH(IZ)-FACE-190315-08

4.4 SAR assessment for LMR 7/800

4.4.1 Assessment at the Body for 769-775 MHz band

Output Power Data

Battery NNTN9087A was selected as the default battery for assessments at the Body because it is the thinnest battery (refer to Exhibit 7B for battery illustration). The default battery was used during conducted power measurements for all test channels within FCC allocated frequency range (769-775 MHz) which are listed in table below. The channel with the highest conducted power will be identified as the default channel per KDB 643646 (SAR Test for PTT Radios).

Table 68

Test Freq (MHz)	Power (W)
769.0125	2.93
772.0000	2.93
774.9875	2.92

Assessment at the Body with Body worn PMLN7947A w/ NTN8266B

DUT assessment with offered antennas, default battery and, default body worn accessory per KDB 643646. Optional battery was tested per the requirements of KDB 643646. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 69

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9087A	PMLN7947A w/ NTN8266B	PMMN4123A	769.0125	2.91	-0.33	7.25	4.02	ZR-AB-190129-13
				772.0000	2.92	-0.34	6.85	3.79	ZR-AB-190129-14
				774.9875	2.94	-0.39	6.86	3.82	ZR-AB-190129-15
AN000296A01				769.0125	0.92	-0.19	7.97	4.26	ZR-AB-190129-16
				772.0000	2.92	-0.32	7.69	4.24	ZR-AB-190129-17
				774.9875	2.93	-0.12	7.45	3.91	ZR-AB-190129-18
NAF5080A				769.0125	2.92	-0.36	2.55	1.42	ZR-AB-190130-01#
				772.0000					
				774.9875					
PMAF4022A				769.0125	2.92	-0.10	7.63	4.00	ZR-AB-190130-02#
				772.0000					
				774.9875	2.91	-0.09	7.41	3.89	ZR-AB-190130-03#
Assessment of Additional Battery									
KT000026A01	NNTN9087A	PMLN7947A w/ NTN8266B	PMMN4123A	769.0125	2.93	-0.16	4.24	2.24	ZR-AB-190130-04#
AN000296A01				769.0125	2.91	-0.92	4.66	2.96	FD(BL)-AB-190130-09

Assessment at the Body with Body worn PMLN7947A w/ PMLN7965A

DUT assessment with offered antennas, default battery and, default body worn accessory per KDB 643646. Optional battery was tested per the requirements of KDB 643646. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 70

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9087A	PMLN7947A w/ PMLN7965A	PMMN4123A	769.0125	2.91	-1.09	6.32	4.17	ZR-AB-190131-02#
				772.0000	2.92	-0.87	6.13	3.83	ZR-AB-190131-03#
				774.9875	2.91	-0.84	6.30	3.93	ZR-AB-190131-04#
AN000296A01				769.0125	2.91	0.03	8.37	4.30	FD(BL)-AB-190131-08
				772.0000	2.92	-1.02	7.05	4.57	FD(BL)-AB-190131-09
				774.9875	2.92	-0.87	7.30	4.57	FD(BL)-AB-190131-10
NAF5080A				769.0125	2.92	-0.69	1.56	0.94	FD(BL)-AB-190131-11
				772.0000					
				774.9875					
PMAF4022A				769.0125	2.92	-1.10	5.83	3.85	FD(BL)-AB-190131-13
				772.0000					
				774.9875	2.92	0.24	7.57	3.88	ZR-AB-190131-17
Assessment of Additional Battery									
KT000026A01	NNTN9089A	PMLN7947A w/ PMLN7965A	PMMN4123A	769.0125	2.93	-0.73	3.70	2.23	ZR-AB-190131-18
AN000296A01				772.0000	2.91	-0.78	3.52	2.16	ZR-AB-190131-19

Assessment at the Body with Body worn PMLN7948A w/ NTN8266B

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 71

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g- SAR (W/kg)	Max Calc. 1g- SAR (W/kg)	Run#
KT000026A01	NNTN9087A	PMLN7948A w/ NTN8266B	PMMN4123A	769.0125	2.93	-1.04	6.55	4.25	ZR-AB-190201-01#
AN000296A01				772.0000	2.91	-0.90	6.40	4.05	ZR-AB-190201-02#
				774.9875	2.90	-0.83	6.53	4.08	ZR-AB-190201-03#
				769.0125	2.92	-0.08	7.92	4.13	ZR-AB-190201-05#
				772.0000	2.92	-0.22	8.21	4.42	FD(BL)-AB-190201-07#
				774.9875	2.92	-0.38	8.15	4.55	FD(BL)-AB-190201-10
NAF5080A				769.0125	2.92	-0.70	1.76	1.06	FD(BL)-AB-190201-11
				772.0000					
				774.9875					
PMAF4022A	NNTN9087A	PMLN7948A w/ NTN8266B	PMMN4123A	769.0125	2.92	-0.73	6.91	4.19	FD(BL)-AB-190201-13
				772.0000	2.92	-0.84	6.90	4.29	FD(BL)-AB-190201-15
				774.9875	2.92	-0.69	7.40	4.44	FD(BL)-AB-190201-17

Assessment at the Body with Body worn PMLN7948A w/ PMLN7965A

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 72

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9087A	PMLN7948A w/ PMLN7965A	PMMN4123A	769.0125	2.91	-1.06	6.02	3.95	ZR-AB-190201-18
				772.0000					
				774.9875	2.91	-0.85	6.11	3.82	ZR-AB-190201-20
AN000296A01				769.0125	2.92	-0.26	7.36	4.00	ZR-AB-190202-01#
				772.0000					
				774.9875	2.91	-1.01	6.49	4.21	ZR-AB-190202-02#
NAF5080A				769.0125	2.91	-0.64	1.51	0.90	ZR-AB-190202-03#
				772.0000					
				774.9875					
PMAF4022A				769.0125	2.92	-1.02	6.38	4.13	ZR-AB-190203-02
				772.0000	2.91	-0.34	6.84	3.80	ZR-AB-190203-04
				774.9875	2.93	0.25	6.93	3.54	ZR-AB-190203-06

Assessment at the Body with Body worn PMLN7948A w/ PMLN5407A

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 73

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9087A	PMLN7948A w/ PMLN5407A	PMMN4123A	769.0125	2.91	-0.89	4.22	2.66	ZR-AB-190203-07
				772.0000					
				774.9875					
AN000296A01				769.0125	2.91	-0.03	5.09	2.63	ZR-AB-190203-09
				772.0000					
				774.9875					
NAF5080A				769.0125	2.91	-0.32	0.54	0.30	FD(BL)-AB-190203-10
				772.0000					
				774.9875					
PMAF4022A				769.0125	2.91	-0.70	4.64	2.80	FD(BL)-AB-190203-12
				772.0000					
				774.9875					

Assessment at the Body with Body worn PMLN7948A w/ PMLN5408A

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 74

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9087A	PMLN7948A w/ PMLN5408A	PMMN4123A	769.0125	2.92	-1.06	4.07	2.66	FD(BL)-AB-190203-13
				772.0000					
				774.9875					
AN000296A01				769.0125	2.92	-0.84	5.08	3.16	FD(BL)-AB-190203-15
				772.0000					
				774.9875					
NAF5080A				769.0125	2.92	-0.73	0.49	0.30	FD(BL)-AB-190204-01#
				772.0000					
				774.9875					
PMAF4022A				769.0125	2.92	-0.74	4.80	2.91	FD(BL)-AB-190204-03#
				772.0000					
				774.9875					

Assessment at the Body with Body worn PMLN7948A w/ PMLN5409A

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 75

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9087A	PMLN7948A w/ PMLN5409A	PMMN4123A	769.0125	2.92	-0.87	3.84	2.40	FD(BL)-AB-190204-04#
				772.0000					
				774.9875					
AN000296A01				769.0125	2.92	-0.73	4.52	2.74	FD(BL)-AB-190204-06#
				772.0000					
				774.9875					
NAF5080A				769.0125	2.92	-0.87	0.36	0.23	ZR-AB-190204-08
				772.0000					
				774.9875					
PMAF4022A				769.0125	2.92	-0.91	3.91	2.47	ZR-AB-190204-10
				772.0000					
				774.9875					

Assessment at the Body with Body worn PMLN7964A w/ NTN8266B

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 76

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9089A	PMLN7964A w/ NTN8266B	PMMN4123A	769.0125	2.92	-0.11	3.71	1.95	ZR-AB-190204-12
				772.0000					
				774.9875					
AN000296A01				769.0125	2.91	-0.12	4.15	2.19	ZR-AB-190204-13
				772.0000					
				774.9875					
NAF5080A				769.0125	2.93	-0.10	1.83	0.96	ZR-AB-190204-14
				772.0000					
				774.9875					
PMAF4022A				769.0125	2.93	-0.10	3.43	1.79	ZR-AB-190204-15
				772.0000					
				774.9875					

Assessment at the Body with Body worn PMLN7964A w/ PMLN7965A

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 77

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9089A	PMLN7964A w/ PMLN7965A	PMMN4123A	769.0125	2.91	-0.06	3.09	1.61	ZR-AB-190204-16
				772.0000					
				774.9875					
AN000296A01				769.0125	2.91	-0.60	4.15	2.45	FD(BL)-AB-190204-17
				772.0000					
				774.9875					
NAF5080A				769.0125	2.90	-0.18	1.59	0.85	FD(BL)-AB-190204-18
				772.0000					
				774.9875					
PMAF4022A				769.0125	2.90	-0.53	3.69	2.15	FD(BL)-AB-190204-19
				772.0000					
				774.9875					

Assessment at the Body with Body worn PMLN7964A w/ PMLN5407A

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 78

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9089A	PMLN7964A w/ PMLN5407A	PMMN4123A	769.0125	2.90	-0.28	2.27	1.25	FD(BL)-AB-190204-20
				772.0000					
				774.9875					
AN000296A01				769.0125	2.90	0.11	2.68	1.38	FD(BL)-AB-190204-21
				772.0000					
				774.9875					
NAF5080A				769.0125	2.90	-0.29	0.65	0.36	FD(BL)-AB-190205-01#
				772.0000					
				774.9875					
PMAF4022A				769.0125	2.90	-0.42	2.47	1.40	FD(BL)-AB-190205-02#
				772.0000					
				774.9875					

Assessment at the Body with Body worn PMLN7964A w/ PMLN5408A

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 79

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9089A	PMLN7964A w/ PMLN5408A	PMMN4123A	769.0125	2.91	-0.21	2.46	1.33	FD(BL)-AB-190205-03#
				772.0000					
				774.9875					
AN000296A01				769.0125	2.90	-0.14	2.57	1.37	FD(BL)-AB-190205-04#
				772.0000					
				774.9875					
NAF5080A				769.0125	2.90	-0.18	0.65	0.35	FD(BL)-AB-190205-05#
				772.0000					
				774.9875					
PMAF4022A				769.0125	2.90	-0.62	2.46	1.46	ZR-AB-190205-06#
				772.0000					
				774.9875					

Assessment at the Body with Body worn PMLN7964A w/ PMLN5409A

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 80

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9089A	PMLN7964A w/ PMLN5409A	PMMN4123A	769.0125	2.92	-0.07	1.81	0.94	ZR-AB-190205-08
				772.0000					
				774.9875					
AN000296A01				769.0125	2.92	-0.11	2.17	1.14	ZR-AB-190205-09
				772.0000					
				774.9875					
NAF5080A				769.0125	2.91	-0.10	0.51	0.27	ZR-AB-190205-10
				772.0000					
				774.9875					
PMAF4022A				769.0125	2.91	-0.13	1.81	0.96	ZR-AB-190205-11
				772.0000					
				774.9875					

Assessment at the Body with other audio accessories

Assessment per “KDB 643646 Body SAR Test Consideration for Audio Accessories without Built-in Antenna. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 81

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
AN000296A01	NNTN9087A	PMLN7947A w/ PMLN7965A	NMN6274B	769.0125					
				772.0000	2.92	-0.19	7.04	3.79	BL-AB-190205-12
				774.9875					
			PMLN6129A	769.0125					
				772.0000	2.90	-0.35	7.85	4.39	BL-AB-190205-13
				774.9875					
			PMMN4065A	769.0125					
				772.0000	2.90	-0.27	7.93	4.36	BL-AB-190205-14
				774.9875					
			BDN6783B w/ RLN5312B	769.0125					
				772.0000	2.90	-0.25	8.11	4.43	BL-AB-190205-15
				774.9875					
			HMN4101B	769.0125					
				772.0000	2.91	0.26	7.87	4.04	BL-AB-190205-16
				774.9875					
			PMLN6852A	769.0125					
				772.0000	2.90	-0.30	8.09	4.47	BL-AB-190205-17
				774.9875					
			PMMN4106D (Cable length 2.8 meter)	769.0125					
				772.0000	2.90	0.07	7.92	4.08	BL-AB-190206-01#
				774.9875					
			PMMN4106D (Cable length 2.8 meter)	769.0125					
				772.0000	2.90	-0.33	7.76	4.32	BL-AB-190206-02#
				774.9875					

Assessment of wireless BT configuration

Assessment using the overall highest SAR configuration at the body from above without audio accessory attached. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 82

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
AN000296A01	NNTN9087A	PMLN7947A w/ PMLN7965A	None	769.0125					
				772.0000	2.90	-0.30	8.22	4.54	BL-AB-190206-03#
				774.9875					

Assessment of PSM Configuration

Output Power Data

Battery NNTN9089A was selected as the default battery for assessments at the Body with Public Safety Microphone (PSM) because it is the highest Capacity battery (refer to Exhibit 7B for battery illustration). The default battery was used during conducted power measurements for all test channels within FCC allocated frequency range (769-775 MHz) which are listed in table below. The channel with the highest conducted power will be identified as the default channel per KDB 643646 (SAR Test for PTT Radios).

Table 83

Test Freq (MHz)	Power (W)
769.0125	2.93
772.0000	2.92
774.9875	2.92

Assessment of offered PSM audio accessories per KDB 643646. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 84

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
PMAF4002A	NNTN9089A	4205823V08 REV.N	PMMN4059B	769.0125	2.92	-0.63	5.47	3.24	BL-AB-190208-10
				772.0000					
				774.9875					
			PMMN4060B	769.0125	2.92	-0.17	5.47	2.91	BL-AB-190208-11
				772.0000					
				774.9875					
			PMMN4061B	769.0125	2.93	-0.19	5.15	2.75	BL-AB-190208-12
				772.0000					
				774.9875					

4.4.2 Assessment at the Face for 769-775 MHz band

Output Power Data

Battery NNTN9089A was selected as the default battery for assessments at the Face because it is the highest Capacity battery (refer to Exhibit 7B for battery illustration). The default battery was used during conducted power measurements for all test channels within FCC allocated frequency range (769-775 MHz) which are listed in table below. The channel with the highest conducted power will be identified as the default channel per KDB 643646 (SAR Test for PTT Radios).

Table 85

Test Freq (MHz)	Power (W)
769.0125	2.93
772.0000	2.92
774.9875	2.92

Table below presents the data of the face assessment with front of DUT positioned 2.5 cm facing phantom per KDB 643646. Optional battery was tested per the requirements of KDB 643646. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 86

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9089A	@ front (Non-Display side against the phantom)	None	769.0125	2.92	-0.25	1.93	1.05	BL-FACE-190207-04
				772.0000					
				774.9875					
AN000296A01				769.0125	2.92	-0.24	2.02	1.09	BL-FACE-190207-05
				772.0000					
				774.9875					
NAF5080A				769.0125	2.92	-0.93	1.41	0.89	ZR-FACE-190207-07
				772.0000					
				774.9875					
PMAF4022A				769.0125	2.90	-0.39	2.14	1.21	ZR-FACE-190207-08
				772.0000					
				774.9875					
Assessment of Additional Battery									
PMAF4022A	NNTN9087A	@ front (Non-Display side against the phantom)	None	769.0125	2.91	-1.03	2.49	1.62	ZR-FACE-190207-09

Table below presents the data of the face assessment with back of DUT positioned 2.5 cm facing phantom per KDB 643646. Optional battery was tested per the requirements of KDB 643646. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 87

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9089A	@ back (Display side against the phantom)	None	769.0125	2.90	-0.92	2.35	1.50	ZZ-FACE-190207-10
				772.0000					
				774.9875					
AN000296A01				769.0125	2.91	-1.01	2.36	1.53	ZZ-FACE-190207-11
				772.0000					
				774.9875					
NAF5080A				769.0125	2.92	-0.69	2.86	1.72	BL-FACE-190208-04
				772.0000					
				774.9875					
PMAF4022A				769.0125	2.90	-0.99	2.19	1.42	BL-FACE-190207-15
				772.0000					
				774.9875					
Assessment of Additional Battery									
NAF5080A	NNTN9087A	@ back (Display side against the phantom)	None	769.0125	2.90	-0.82	2.04	1.27	BL-FACE-190207-16

4.4.3 Assessment at the Body for 799-824 MHz band

Output Power Data

Battery NNTN9087A was selected as the default battery for assessments at the Body because it is the thinnest battery (refer to Exhibit 7B for battery illustration). The default battery was used during conducted power measurements for all test channels within FCC allocated frequency range (799-824 MHz) which are listed in table below. The channel with the highest conducted power will be identified as the default channel per KDB 643646 (SAR Test for PTT Radios).

Table 88

Test Freq (MHz)	Power (W)
799.0125	2.88
808.5000	3.53
823.9875	3.55

Assessment at the Body with Body worn PMLN7947A w/ NTN8266B

DUT assessment with offered antennas, default battery and, default body worn accessory per KDB 643646. Optional battery was tested per the requirements of KDB 643646. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 89

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9087A	PMLN7947A w/ NTN8266B	PMMN4123A	799.0125	2.91	-0.50	6.18	3.56	ZR-AB-190111-11
				808.5000	3.40	-0.50	7.42	4.41	ZR-AB-190111-10
				823.9875	3.48	-0.57	6.89	4.06	ZR-AB-190111-08
AN000296A01				799.0125	2.95	-0.44	7.91	4.44	FD(BL)-AB-190112-02#
808.5000				3.50	-0.46	9.46	5.41	ZR-AB-190113-02	
823.9875				3.45	-0.30	9.06	5.07	ZR-AB-190111-12	
NAF5080A				799.0125					
				808.5000					
				823.9875	3.50	-0.21	3.35	1.81	FD(BL)-AB-190112-03#
PMAF4022A				799.0125	3.00	-0.42	9.78	5.39	FD(BL)-AB-190112-06#
				808.5000	3.46	-0.90	7.91	5.06	FD(BL)-AB-190112-05#
				823.9875	3.47	-0.39	8.51	4.83	FD(BL)-AB-190112-04#
Assessment of Additional Battery									
KT000026A01	NNTN9089A	PMLN7947A w/ NTN8266B	PMMN4123A	808.5000	3.48	-0.56	4.85	2.85	ZR-AB-190113-03
AN000296A01				808.5000	3.49	-0.41	6.68	3.79	ZR-AB-190113-04
PMAF4022A				799.0125	2.86	-0.40	4.92	2.82	ZR-AB-190113-05
				799.0125	2.94	-0.37	4.17	2.31	FD(BL)-AB-190114-10

Assessment at the Body with Body worn PMLN7947A w/ PMLN7965A

DUT assessment with offered antennas, default battery and, default body worn accessory per KDB 643646. Optional battery was tested per the requirements of KDB 643646. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 90

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g- SAR (W/kg)	Max Calc. 1g- SAR (W/kg)	Run#
KT000026A01	NNTN9087A	PMLN7947A w/ PMLN7965A	PMMN4123A	799.0125	2.87	-0.55	6.43	3.80	ZR-AB-190113-08
				808.5000	3.47	-0.47	7.61	4.40	ZR-AB-190113-07
				823.9875	3.50	-0.36	7.46	4.17	ZR-AB-190113-06
AN000296A01				799.0125	2.93	-0.39	7.60	4.24	FD(BL)-AB-190114-02#
				808.5000	3.49	-0.37	9.56	5.37	ZR-AB-190113-10
				823.9875	3.50	-0.28	9.71	5.33	ZR-AB-190113-09
NAF5080A				799.0125					
				808.5000					
				823.9875	3.50	-0.27	2.56	1.40	FD(BL)-AB-190114-03#
PMAF4022A				799.0125	2.93	-0.71	6.85	4.12	FD(BL)-AB-190114-06#
				808.5000	3.52	-0.76	8.31	5.06	FD(BL)-AB-190114-05#
				823.9875	3.55	-0.39	8.79	4.88	FD(BL)-AB-190114-04#
				Assessment of Additional Battery					
KT000026A01	NNTN9089A	PMLN7947A w/ PMLN7965A	PMMN4123A	808.5000	3.50	-0.17	4.27	2.28	FD(BL)-AB-190114-07#
AN000296A01				808.5000	3.50	-0.29	5.64	3.10	FD(BL)-AB-190114-09

Assessment at the Body with Body worn PMLN7948A w/ NTN8266B

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 91

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9087A	PMLN7948A w/ NTN8266B	PMMN4123A	799.0125	2.96	-0.63	5.84	3.41	ZR-AB-190114-13
				808.5000	3.48	-0.56	7.35	4.32	ZR-AB-190114-12
				823.9875	3.50	-0.36	7.28	4.07	ZR-AB-190114-11
AN000296A01				799.0125	2.92	-0.58	7.15	4.18	ZR-AB-190115-01#
				808.5000	3.49	-0.47	9.03	5.19	ZR-AB-190114-15
				823.9875	3.50	-0.42	9.00	5.10	ZR-AB-190114-14
NAF5080A	NNTN9087A	PMLN7948A w/ NTN8266B	PMMN4123A	799.0125					
				808.5000					
				823.9875	3.50	-0.14	2.59	1.38	ZR-AB-190115-02#
PMAF4022A				799.0125	2.96	-0.62	7.06	4.11	ZR-AB-190115-05#
				808.5000	3.50	-0.47	8.52	4.88	ZR-AB-190115-04#
				823.9875	3.50	-0.36	8.88	4.96	ZR-AB-190115-03#

Assessment at the Body with Body worn PMLN7948A w/ PMLN7965A

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 92

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9087A	PMLN7948A w/ PMLN7965A	PMMN4123A	799.0125	2.92	-0.60	6.09	3.58	FD(BL)-AB-190115-07#
				808.5000					
				823.9875	3.54	-0.30	6.70	3.65	FD(BL)-AB-190115-06#
AN000296A01				799.0125	2.90	-0.37	7.27	4.08	FD(BL)-AB-190115-10#
				808.5000	3.45	-0.45	8.90	5.15	FD(BL)-AB-190115-09#
				823.9875	3.50	-0.35	8.85	4.93	FD(BL)-AB-190115-08#
NAF5080A				799.0125					
				808.5000					
				823.9875	3.50	-0.28	2.01	1.10	FD(BL)-AB-190115-11#
PMAF4022A				799.0125	2.87	-0.65	6.57	3.97	FD(BL)-AB-190115-15
				808.5000	3.47	-0.86	7.94	5.02	FD(BL)-AB-190115-14
				823.9875	3.55	-0.50	8.37	4.76	FD(BL)-AB-190115-12#

Assessment at the Body with Body worn PMLN7948A w/ PMLN5407A

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 93

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9087A	PMLN7948A w/ PMLN5407A	PMMN4123A	799.0125					
				808.5000					
				823.9875	3.52	-0.50	3.52	2.02	ZR-AB-190115-16
AN000296A01				799.0125					
				808.5000					
				823.9875	3.55	-0.37	4.42	2.44	ZR-AB-190123-03
NAF5080A				799.0125					
				808.5000					
				823.9875	3.55	-0.42	0.86	0.48	ZR-AB-190123-04
PMAF4022A				799.0125					
				808.5000					
				823.9875	3.56	-0.24	4.25	2.27	ZR-AB-190123-05

Assessment at the Body with Body worn PMLN7948A w/ PMLN5408A

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 94

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9087A	PMLN7948A w/ PMLN5408A	PMMN4123A	799.0125					
				808.5000					
				823.9875	3.55	-0.78	3.99	2.42	ZR-AB-190123-06
AN000296A01				799.0125	2.92	-0.36	4.20	2.34	FD(BL)-AB-190123-08
				808.5000					
				823.9875	3.55	-0.59	6.15	3.57	ZR-AB-190123-07
NAF5080A				799.0125					
				808.5000					
				823.9875	3.53	-0.38	0.71	0.40	FD(BL)-AB-190123-09
PMAF4022A				799.0125					
				808.5000					
				823.9875	3.53	0.81	5.92	3.02	FD(BL)-AB-190123-10

Assessment at the Body with Body worn PMLN7948A w/ PMLN5409A

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 95

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9087A	PMLN7948A w/ PMLN5409A	PMMN4123A	799.0125					
				808.5000					
				823.9875	3.53	0.16	4.63	2.36	FD(BL)-AB-190123-11
AN000296A01				799.0125					
				808.5000					
				823.9875	3.53	-0.49	6.00	3.42	FD(BL)-AB-190123-12
PMAF4022A				799.0125					
				808.5000					
				823.9875	3.52	-0.42	0.58	0.33	FD(BL)-AB-190124-01#
PMAF4022A				799.0125					
				808.5000					
				823.9875	3.55	-0.47	5.65	3.19	FD(BL)-AB-190124-02#

Assessment at the Body with Body worn PMLN7964A w/ NTN8266B

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 96

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pw r (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9089A	PMLN7964A w/ NTN8266B	PMMN4123A	799.0125					
				808.5000					
				823.9875	3.56	-0.38	4.36	2.41	FD(BL)-AB-190124-03#
AN000296A01				799.0125					
				808.5000					
				823.9875	3.56	-0.39	5.87	3.25	FD(BL)-AB-190124-04#
NAF5080A				799.0125					
				808.5000					
				823.9875	3.55	-0.39	2.72	1.51	FD(BL)-AB-190124-05#
PMAF4022A				799.0125					
				808.5000					
				823.9875	3.56	-0.55	5.31	3.05	FD(BL)-AB-190124-06#

Assessment at the Body with Body worn PMLN7964A w/ PMLN7965A

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 97

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9089A	PMLN7964A w/ PMLN7965A	PMMN4123A	799.0125					
				808.5000					
				823.9875	3.56	-0.31	4.21	2.29	ZR-AB-190124-08
AN000296A01				799.0125					
				808.5000					
				823.9875	3.56	-0.32	5.54	3.02	ZR-AB-190124-09
NAF5080A				799.0125					
				808.5000					
				823.9875	3.55	-0.44	2.05	1.15	ZR-AB-190124-10
PMAF4022A				799.0125					
				808.5000					
				823.9875	3.55	-0.46	5.08	2.86	ZR-AB-190124-11

Assessment at the Body with Body worn PMLN7964A w/ PMLN5407A

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 98

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9089A	PMLN7964A w/ PMLN5407A	PMMN4123A	799.0125					
				808.5000					
				823.9875	3.57	-0.58	2.20	1.27	ZR-AB-190124-12
799.0125									
808.5000									
823.9875				3.55	-0.11	2.93	1.52	ZR-AB-190124-13	
799.0125									
808.5000									
823.9875				3.55	-0.47	0.65	0.37	ZR-AB-190124-14	
799.0125									
808.5000									
823.9875				3.55	-0.46	2.44	1.38	ZR-AB-190124-15	

Assessment at the Body with Body worn PMLN7964A w/ PMLN5408A

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 99

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pw r (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#	
KT000026A01	NNTN9089A	PMLN7964A w/ PMLN5408A	PMMN4123A	799.0125						
				808.5000						
				823.9875	3.55	-0.71	2.48	1.48	FD(BL)-AB-190124-16	
AN000296A01				799.0125						
				808.5000						
				823.9875	3.54	-0.32	3.28	1.80	FD(BL)-AB-190124-17	
NAF5080A				799.0125						
				808.5000						
				823.9875	3.54	-0.38	0.63	0.35	FD(BL)-AB-190124-18	
PMAF4022A				799.0125						
				808.5000						
				823.9875	3.54	-0.58	3.12	1.81	FD(BL)-AB-190124-19	

Assessment at the Body with Body worn PMLN7964A w/ PMLN5409A

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 100

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pw r (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9089A	PMLN7964A w/ PMLN5409A	PMMN4123A	799.0125					
				808.5000					
				823.9875	3.54	-0.37	2.45	1.36	FD(BL)-AB-190124-20
AN000296A01				799.0125					
				808.5000					
NAF5080A				823.9875	3.54	-0.34	3.29	1.81	FD(BL)-AB-190124-21
				799.0125					
				808.5000					
PMAF4022A				823.9875	3.56	-0.40	0.61	0.34	FD(BL)-AB-190125-01#
				799.0125					
				808.5000					
							823.9875	3.55	-0.58

Assessment at the Body with other audio accessories

Assessment per “KDB 643646 Body SAR Test Consideration for Audio Accessories without Built-in Antenna. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 101

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
AN000296A01 AN000296A01	NNTN9087A NNTN9087A	PMLN7947A w/ NTN8266B PMLN7947A w/ NTN8266B	NMN6274B	799.0125					
				808.5000	3.53	-0.45	8.68	4.91	FD(BL)-AB-190125-03#
				823.9875					
			PMLN6129A	799.0125					
				808.5000	3.52	-0.30	8.83	4.84	FD(BL)-AB-190125-04#
				823.9875					
			PMMN4065A	799.0125					
				808.5000	3.53	-0.43	9.07	5.11	FD(BL)-AB-190125-05#
				823.9875					
			BDN6783B w/ RLN5312B	799.0125					
				808.5000	3.52	-0.42	9.34	5.26	FD(BL)-AB-190125-07
				823.9875					
			HMN4101B	799.0125					
				808.5000	3.52	-0.44	9.47	5.36	FD(BL)-AB-190125-08
				823.9875					
			PMLN6852A	799.0125					
				808.5000	3.52	-0.43	9.41	5.31	FD(BL)-AB-190125-09
				823.9875					
			PMMN4106D (Cable length 2.0 meter)	799.0125					
				808.5000	3.53	-0.46	9.17	5.20	FD(BL)-AB-190126-01#
				823.9875					
			PMMN4106D (Cable length 2.8 meter)	799.0125					
				808.5000	3.53	-0.41	9.18	5.14	FD(BL)-AB-190126-02#
				823.9875					

Assessment of wireless BT configuration

Assessment using the overall highest SAR configuration at the body from above without audio accessory attached. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 102

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
AN000296A01	NNTN9087A	PMLN7947A w/ NTN8266B	None	799.0125					
				808.5000	3.53	-0.12	9.50	4.98	FD(BL)-AB-190126-03#
				823.9875					

Assessment of PSM Configuration

Battery NNTN9089A was selected as the default battery for assessments at the Body with Public Safety Microphone (PSM) because it is the highest Capacity battery (refer to Exhibit 7B for battery illustration). The default battery was used during conducted power measurements for all test channels within FCC allocated frequency range (799-824 MHz) which are listed in table below. The channel with the highest conducted power will be identified as the default channel per KDB 643646 (SAR Test for PTT Radios).

Table 103

Test Freq (MHz)	Power (W)
799.0125	2.87
808.5000	3.52
823.9875	3.56

Assessment of offered PSM audio accessories per KDB 643646. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 104

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
PMAF4002A	NNTN9089A	4205823V08 REV.N	PMMN4059B	799.0125					
				808.5000					
				823.9875	3.56	-0.27	2.68	1.44	ZR-AB-190128-06
			PMMN4060B	799.0125					
				808.5000					
				823.9875	3.56	-0.31	2.41	1.31	ZR-AB-190128-07
			PMMN4061B	799.0125					
				808.5000					
				823.9875	3.56	-0.37	3.23	1.78	ZR-AB-190128-08

4.4.4 Assessments at the Face for 799-824 MHz band

Output Power Data

Battery NNTN9089A was selected as the default battery for assessments at the Face because it is the highest Capacity battery (refer to Exhibit 7B for battery illustration). The default battery was used during conducted power measurements for all test channels within FCC allocated frequency range (799-824 MHz) which are listed in table below. The channel with the highest conducted power will be identified as the default channel per KDB 643646 (SAR Test for PTT Radios).

Table 105

Test Freq (MHz)	Power (W)
799.0125	2.87
808.5000	3.52
823.9875	3.56

Table below presents the data of the face assessment with front of DUT positioned 2.5 cm facing phantom per KDB 643646. Optional battery was tested per the requirements of KDB 643646. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 106

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9089A	@ front (Non-Display side against the phantom)	None	799.0125					
				808.5000					
				823.9875	3.58	-0.32	1.61	0.87	AZ-FACE-190109-15
AN000296A01				799.0125					
				808.5000					
				823.9875	3.60	-0.26	2.85	1.51	AZ-FACE-190109-17
NAF5080A				799.0125					
				808.5000					
				823.9875	3.60	-0.19	2.19	1.14	AZ-FACE-190109-19
PMAF4022A				799.0125					
				808.5000					
	823.9875	3.60	-0.29	2.57	1.37	AZ-FACE-190110-02			
Assessment of Additional Battery									
AN000296A01	NNTN9087A	@ front (Non-Display side against the phantom)	None	823.9875	3.60	-0.25	4.16	2.20	AZ-FACE-190110-03

Table below presents the data of the face assessment with back of DUT positioned 2.5 cm facing phantom per KDB 643646. Optional battery was tested per the requirements of KDB 643646. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 107

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9089A	@ back (Display side against the phantom)	None	799.0125					
				808.5000					
				823.9875	3.60	-0.29	2.68	1.43	AZ-FACE-190110-04
AN000296A01				799.0125					
				808.5000					
				823.9875	3.60	0.05	3.27	1.64	ZR-FACE-190110-05
NAF5080A				799.0125					
				808.5000					
				823.9875	3.57	-0.34	4.35	2.37	ZR-FACE-190110-06
PMAF4022A				799.0125					
				808.5000					
				823.9875	3.59	-0.52	3.21	1.81	ZR-FACE-190110-07
Assessment of Additional Battery									
NAF5080A	NNTN9087A	@ back (Display side against the phantom)	None	823.9875	3.60	-0.27	4.33	2.30	ZR-FACE-190110-08

4.4.5 Assessment at the Body for 851-869 MHz band

Battery NNTN9087A was selected as the default battery for assessments at the Body because it is the thinnest battery (refer to Exhibit 7B for battery illustration). The default battery was used during conducted power measurements for all test channels within FCC allocated frequency range (851-869 MHz) which are listed in table below. The channel with the highest conducted power will be identified as the default channel per KDB 643646 (SAR Test for PTT Radios).

Table 108

Test Freq (MHz)	Power (W)
851.0125	3.56
860.5000	3.57
868.9875	3.58

Assessment at the Body with Body worn PMLN7947A w/ NTN8266B

DUT assessment with offered antennas, default battery and, default body worn accessory per KDB 643646. Optional battery was tested per the requirements of KDB 643646. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 109

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9087A	PMLN7947A w/ NTN8266B	PMMN4123A	851.0125					
				860.5000					
				868.9875	3.58	-1.10	1.45	0.94	ZR-AB-190102-02
851.0125									
860.5000									
868.9875				3.57	-0.68	5.55	3.27	AZ-AB-190103-03#	
851.0125									
860.5000									
868.9875				3.60	-0.52	2.48	1.40	AZ-AB-190103-05#	
851.0125									
860.5000									
868.9875				3.59	-0.66	3.88	2.26	AZ-AB-190103-06#	
Assessment of Additional Battery									
AN000296A01	NNTN9089A	PMLN7947A w/ NTN8266B	PMMN4123A	868.9875	3.60	-0.73	3.75	2.22	AZ-AB-190103-07#

Assessment at the Body with Body worn PMLN7947A w/ PMLN7965A

DUT assessment with offered antennas, default battery and, default body worn accessory per KDB 643646. Optional battery was tested per the requirements of KDB 643646. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 110

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9087A	PMLN7947A w/ PMLN7965A	PMMN4123A	851.0125					
				860.5000					
				868.9875	3.60	-0.80	1.62	0.97	AZ-AB-190103-08#
AN000296A01				851.0125					
				860.5000					
				868.9875	3.60	-0.69	5.93	3.48	AZ-AB-190103-09#
NAF5080A				851.0125					
				860.5000					
				868.9875	3.59	-1.04	1.63	1.04	AZ-AB-190103-10#

Table 110 Continued

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
PMAF4022A	NNTN9087A	PMLN7947A w/ PMLN7965A	PMMN4123A	851.0125					
				860.5000					
				868.9875	3.59	-0.59	3.94	2.26	AZ-AB-190103-11#
Assessment of Additional Battery									
AN000296A01	NNTN9089A	PMLN7947A w/ PMLN7965A	PMMN4123A	868.9875	3.57	-0.90	3.19	1.98	ZR-AB-190103-13

Assessment at the Body with Body worn PMLN7948A w/ NTN8266B

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 111

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9087A	PMLN7948A w/ NTN8266B	PMMN4123A	851.0125					
				860.5000					
				868.9875	3.58	-0.45	1.75	0.98	ZR-AB-190103-15
AN000296A01				851.0125	3.36	-0.53	7.48	4.53	ZZ-AB-190305-13#
				860.5000					
				868.9875	3.59	-0.84	6.11	3.72	ZR-AB-190103-16
NAF5080A				851.0125					
				860.5000					
				868.9875	3.58	-0.90	1.84	1.14	ZR-AB-190104-01#
PMAF4022A				851.0125					
				860.5000					
				868.9875	3.58	-0.99	4.01	2.53	ZR-AB-190104-02#

Assessment at the Body with Body worn PMLN7948A w/ PMLN7965A

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 112

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9087A	PMLN7948A w/ PMLN7965A	PMMN4123A	851.0125					
				860.5000					
				868.9875	3.58	-0.69	1.55	0.91	ZR-AB-190104-03#
AN000296A01				851.0125	3.48	-0.33	7.23	4.03	ZZ-AB-190305-14#
				860.5000					
NAF5080A				868.9875	3.59	-0.87	6.40	3.92	ZR-AB-190104-05#
				851.0125					
				860.5000					
PMAF4022A				868.9875	3.60	-0.96	1.38	0.86	AZ-AB-190104-07#
				851.0125					
				860.5000					
							868.9875	3.60	-0.59

Assessment at the Body with Body worn PMLN7948A w/ PMLN5407A

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 113

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9087A	PMLN7948A w/ PMLN5407A	PMMN4123A	851.0125					
				860.5000					
				868.9875	3.58	-1.08	0.72	0.47	AZ-AB-190104-09#
851.0125									
860.5000									
868.9875				3.60	-0.96	2.97	1.85	AZ-AB-190104-11#	
851.0125									
860.5000									
868.9875				3.60	-0.83	0.57	0.35	AZ-AB-190104-12#	
851.0125									
860.5000									
868.9875				3.60	-0.91	1.93	1.19	AZ-AB-190104-13#	

Assessment at the Body with Body worn PMLN7948A w/ PMLN5408A

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 114

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9087A	PMLN7948A w/ PMLN5408A	PMMN4123A	851.0125					
				860.5000					
				868.9875	3.60	-0.68	1.11	0.65	AZ-AB-190104-14#
AN000296A01				851.0125					
				860.5000					
NAF5080A				868.9875	3.58	-0.72	3.70	2.20	ZR-AB-190104-18
				851.0125					
				860.5000					
PMAF4022A				868.9875	3.58	-0.76	0.39	0.23	ZR-AB-190104-19
				851.0125					
				860.5000					
				868.9875	3.59	-0.88	2.45	1.50	ZR-AB-190105-01#

Assessment at the Body with Body worn PMLN7948A w/ PMLN5409A

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 115

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9087A	PMLN7948A w/ PMLN5409A	PMMN4123A	851.0125					
				860.5000					
				868.9875	3.59	-0.85	1.00	0.61	ZR-AB-190105-02#
AN000296A01				851.0125					
				860.5000					
NAF5080A				868.9875	3.59	-0.79	3.60	2.17	ZR-AB-190105-03#
				851.0125					
				860.5000					
PMAF4022A				868.9875	3.59	-0.96	0.46	0.29	ZR-AB-190106-02
				851.0125					
				860.5000					
868.9875				3.58	-0.87	2.45	1.51	ZR-AB-190106-03	

Assessment at the Body with Body worn PMLN7964A w/ NTN8266B

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 116

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9089A	PMLN7964A w/ NTN8266B	PMMN4123A	851.0125					
				860.5000					
				868.9875	3.58	-0.83	1.42	0.86	ZR-AB-190106-04
AN000296A01				851.0125					
				860.5000					
				868.9875	3.60	-0.64	3.06	1.77	ZR-AB-190106-05
NAF5080A				851.0125					
				860.5000					
				868.9875	3.60	-0.99	1.91	1.20	ZR-AB-190106-06
PMAF4022A	NNTN9089A	PMLN7964A w/ NTN8266B	PMMN4123A	851.0125					
				860.5000					
				868.9875	3.60	-0.68	1.98	1.16	ZR-AB-190106-07

Assessment at the Body with Body worn PMLN7964A w/ PMLN7965A

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 117

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9089A	PMLN7964A w/ PMLN7965A	PMMN4123A	851.0125					
				860.5000					
				868.9875	3.59	-0.84	1.13	0.69	ZR-AB-190106-08
851.0125									
860.5000									
868.9875				3.60	-0.73	3.11	1.84	ZR-AB-190106-09	
851.0125									
860.5000									
868.9875				3.60	-0.89	1.42	0.87	ZR-AB-190106-10	
851.0125									
860.5000									
868.9875				3.58	-0.61	2.09	1.21	ZR-AB-190107-02	

Assessment at the Body with Body worn PMLN7964A w/ PMLN5407A

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 118

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9089A	PMLN7964A w/ PMLN5407A	PMMN4123A	851.0125					
				860.5000					
				868.9875	3.60	-0.95	0.54	0.33	ZR-AB-190107-03
AN000296A01				851.0125					
				860.5000					
				868.9875	3.59	-0.82	1.72	1.04	ZR-AB-190107-04
NAF5080A				851.0125					
				860.5000					
				868.9875	3.57	-0.68	0.56	0.33	ZR-AB-190107-05
PMAF4022A				851.0125					
				860.5000					
				868.9875	3.60	-0.64	1.16	0.67	ZR-AB-190107-06

Assessment at the Body with Body worn PMLN7964A w/ PMLN5408A

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 119

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9089A	PMLN7964A w/ PMLN5408A	PMMN4123A	851.0125					
				860.5000					
				868.9875	3.60	-0.91	0.59	0.36	ZR-AB-190107-07
AN000296A01				851.0125					
				860.5000					
				868.9875	3.58	-0.88	1.74	1.07	ZR-AB-190107-08
NAF5080A				851.0125					
				860.5000					
				868.9875	3.60	-0.26	0.46	0.25	ZR-AB-190107-09
PMAF4022A				851.0125					
				860.5000					
				868.9875	3.60	-0.40	1.19	0.65	AZ-AB-190107-10

Assessment at the Body with Body worn PMLN7964A w/ PMLN5409A

DUT assessment with offered antennas, battery and, default body worn accessory per KDB 643646. No additional battery is compatible with this body worn. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 120

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g- SAR (W/kg)	Max Calc. 1g- SAR (W/kg)	Run#
KT000026A01	NNTN9089A	PMLN7964A w/ PMLN5409A	PMMN4123A	851.0125					
				860.5000					
				868.9875	3.59	-0.58	0.72	0.41	AZ-AB-190107-12
AN000296A01				851.0125					
				860.5000					
				868.9875	3.60	-0.70	2.29	1.35	AZ-AB-190107-13
NAF5080A				851.0125					
				860.5000					
				868.9875	3.60	-0.93	0.52	0.32	AZ-AB-190108-01#
PMAF4022A				851.0125					
				860.5000					
				868.9875	3.60	-0.94	1.26	0.78	AZ-AB-190108-02#

Assessment at the Body with other audio accessories

Assessment per “KDB 643646 Body SAR Test Consideration for Audio Accessories without Built-in Antenna. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 121

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
AN000296A01	NNTN9087A	PMLN7948A w/ NTN8266B	NMN6274B	851.0125	3.46	-0.46	6.97	4.03	ZZ-AB-190305-15#
				860.5000					
				868.9875					
			PMLN6129A	851.0125	3.49	-0.15	7.39	3.95	ZZ-AB-190305-16#
				860.5000					
				868.9875					
			PMMN4065A	851.0125	3.50	-0.17	7.80	4.17	ZZ-AB-190305-17#
				860.5000					
				868.9875					
			BDN6783B w/ RLN5312B	851.0125	3.54	-0.43	7.64	4.29	ZZ-AB-190305-18#
				860.5000					
				868.9875					

Table 121 Continued

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
AN000296A01	NNTN9087A	PMLN7948A w/ NTN8266B	HMN4101B	851.0125	3.50	-0.41	7.34	4.15	FD-AB-190305-19#
				860.5000					
				868.9875					
			PMLN6852A	851.0125	3.49	-0.25	7.40	4.04	FD-AB-190305-20#
				860.5000					
				868.9875					
			PMMN4106D (Cable length 2.0 meter)	851.0125	3.49	-0.41	7.31	4.14	FD-AB-190305-21#
				860.5000					
				868.9875					
			PMMN4106D (Cable length 2.8 meter)	851.0125	3.51	-0.41	7.32	4.13	FD-AB-190306-02
				860.5000					
				868.9875					

Assessment of wireless BT configuration

Assessment using the overall highest SAR configuration at the body from above without audio accessory attached. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 122

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
AN000296A01	NNTN9087A	PMLN7948A w/ NTN8266B	None	851.0125	3.45	-0.35	7.89	4.46	ZZ-AB-190305-12#
				860.5000					
				868.9875					

Assessment of PSM Configuration**Output Power Data**

Battery NNTN9089A was selected as the default battery for assessments at the Body with Public Safety Microphone (PSM) because it is the highest Capacity battery (refer to Exhibit 7B for battery illustration). The default battery was used during conducted power measurements for all test channels within FCC allocated frequency range (851-869 MHz) which are listed in table below. The channel with the highest conducted power will be identified as the default channel per KDB 643646 (SAR Test for PTT Radios).

Table 123

Test Freq (MHz)	Power (W)
851.0125	3.56
860.5000	3.56
868.9875	3.58

Assessment of offered PSM audio accessories per KDB 643646. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 124

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
PMAF4002A	NNTN9089A	4205823V08 REV.N	PMMN4059B	851.0125					
				860.5000					
				868.9875	3.60	-0.45	1.17	0.65	ZR-AB-190108-13
			PMMN4060B	851.0125					
				860.5000					
				868.9875	3.60	-0.22	1.54	0.81	ZR-AB-190108-14
			PMMN4061B	851.0125					
				860.5000					
				868.9875	3.16	-0.23	2.99	1.80	FD(BL)-AB-190129-06

4.4.6 Assessment at the Face for 851-869 MHz band

Output Power Data

Battery NNTN9089A was selected as the default battery for assessments at the Face because it is the highest Capacity battery (refer to Exhibit 7B for battery illustration). The default battery was used during conducted power measurements for all test channels within FCC allocated frequency range (851-869 MHz) which are listed in table below. The channel with the highest conducted power will be identified as the default channel per KDB 643646 (SAR Test for PTT Radios).

Table 125

Test Freq (MHz)	Power (W)
851.0125	3.56
860.5000	3.56
868.9875	3.58

Table below presents the data of the face assessment with front of DUT positioned 2.5 cm facing phantom per KDB 643646. Optional battery was tested per the requirements of KDB 643646. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 126

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9089A	@ front (Non-Display side against the phantom)	None	851.0125					
				860.5000					
				868.9875	3.58	-0.81	1.04	0.63	AZ-FACE-190109-03
AN000296A01	NNTN9089A	@ front (Non-Display side against the phantom)	None	851.0125					
860.5000									
868.9875				3.60	-0.90	1.91	1.17	AZ-FACE-190109-04	
NAF5080A				851.0125					
				860.5000					
				868.9875	3.60	-0.61	1.78	1.02	ZR-FACE-190109-05
				851.0125					
PMAF4022A				860.5000					
		868.9875	3.57	-0.10	1.20	0.62	ZR-FACE-190109-06		
Assessment of Additional Battery									
AN000296A01	NNTN9087A	@ front (Non-Display side against the phantom)	None	868.9875	3.59	-0.38	3.40	1.86	ZR-FACE-190109-07

Table below presents the data of the face assessment with back of DUT positioned 2.5 cm facing phantom per KDB 643646. Optional battery was tested per the requirements of KDB 643646. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 127

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
KT000026A01	NNTN9089A	@ back (Display side against the phantom)	None	806.5000					
				860.5000					
				868.9875	3.60	-0.97	1.85	1.16	ZR-FACE-190109-08
AN000296A01				806.5000					
				860.5000					
				868.9875	3.60	-0.74	2.93	1.74	ZR-FACE-190109-09
NAF5080A				806.5000					
				860.5000					
				868.9875	3.58	-0.47	3.67	2.06	ZR-FACE-190109-10
PMAF4022A				806.5000					
				860.5000					
				868.9875	3.60	-0.55	2.02	1.15	ZR-FACE-190109-11
Assessment of Additional Battery									
NAF5080A	NNTN9087A	@ back (Display side against the phantom)	None	868.9875	3.60	-0.43	3.90	2.15	AZ-FACE-190109-16

4.4.7 Assessment for ISED Canada (7/800)

Based on the assessment results for body and face per KDB643646, additional tests were not required for ISED Canada frequency range (769-775 MHz, 799-824 MHz, 851-869MHz) as testing performed is in compliance with ISED Canada frequency range.

As per ISED Notice 2016-DRS001, additional tests were required for the low, mid and high frequency channels for the configuration with the highest SAR value.

Table 128

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
Body (769-775 MHz)									
AN000296A01	NNTN9087A	PMLN7947A w/ PMLN7965A	PMMN4123A	769.0125	2.91	0.03	8.37	4.30	FD(BL)-AB-190131-08
				772.0000	2.92	-1.02	7.05	4.57	FD(BL)-AB-190131-09
				774.9875	2.92	-0.87	7.30	4.57	FD(BL)-AB-190131-10
Face (769-775 MHz)									
NAF5080A	NNTN9089A	@ back (Display side against the phantom)	None	769.0125	2.92	-0.69	2.86	1.72	BL-FACE-190208-04
				772.0000	2.90	-0.32	2.66	1.48	BL-FACE-190212-05
				774.9875	2.91	-0.24	2.47	1.34	BL-FACE-190212-06

Table 129

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
Body (799-824 MHz)									
AN000296A01	NNTN9087A	PMLN7947A w/ NTN8266B	PMMN4123A	799.0125	2.95	-0.44	7.91	4.44	FD(BL)-AB-190112-02#
				808.5000	3.50	-0.46	7.17	5.41	ZR-AB-190113-02
				823.9875	3.45	-0.30	6.82	5.07	ZR-AB-190111-12
Face (799-824 MHz)									
NAF5080A	NNTN9089A	@ back (Display side against the phantom)	None	799.0125	2.94	-0.03	2.75	1.41	ZR-FACE-190208-06
				808.5000	3.55	-0.32	3.32	1.81	ZR-FACE-190208-07
				823.9875	3.57	-0.34	4.35	2.37	ZR-FACE-190110-06

Table 130

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
Body (851-859 MHz)									
AN000296A01	NNTN9087A	PMLN7948A w/ NTN8266B	PMMN4123A	851.0125	3.36	-0.53	7.48	4.53	ZZ-AB-190305-13#
				860.5000	3.45	-0.65	6.15	3.73	ZZ-AB-190306-05
				868.9875	3.59	-0.84	6.11	3.72	ZR-AB-190103-16
Face (851-859 MHz)									
NAF5080A	NNTN9089A	@ back (Display side against the phantom)	None	851.0125	3.51	-0.23	3.36	1.82	ZZ-FACE-190306-08
				860.5000	3.51	-0.22	3.16	1.70	ZZ-FACE-190306-09
				868.9875	3.60	-0.43	3.90	2.15	AZ-FACE-190109-16

4.4.8 Assessment for outside FCC and ISED Frequency range (7/800)

Assessment of outside FCC and ISED frequency range using highest SAR configuration from above. SAR plots of the highest results per Table (bolded) are presented in the Appendix.

Table 131

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
Body (769-775 MHz)									
KT000026A01	NNTN9087A	PMLN7947A w/ PMLN7965A	PMMN4123A	762.0125	2.82	-0.85	6.38	4.11	LOH-AB-190318-13
AN000296A01				762.0125	2.89	-0.73	5.57	3.41	BL-AB-190206-06
NAF5080A				762.0125	2.81	-0.77	1.32	0.84	LOH-AB-190319-01#
PMAF4022A				762.0125	2.84	-0.68	5.77	3.55	LOH-AB-190319-02#
PSM (769-775 MHz)									
PMAF4002A	NNTN9089A	4205823V08	PMMN4059B	762.0125	2.80	-0.18	5.51	3.07	LOH-AB-190228-06
Face (769-775 MHz)									
KT000026A01	NNTN9089A	@ back (Display side against the phantom)	None	762.0125	2.90	-0.61	2.05	1.22	BL-FACE-190212-07
AN000296A01				762.0125	2.92	-1.05	2.22	1.44	BL-FACE-190207-18
NAF5080A				762.0125	2.92	-0.89	1.94	1.22	BL-FACE-190212-08
PMAF4022A				762.0125	2.88	-1.10	2.12	1.42	BL-FACE-190213-06

Table 132

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
Body (799-824 MHz)									
KT000026A01	NNTN9087A	PMLN7947A w/ NTN8266B	PMMN4123A	794.0125	2.97	-0.51	6.71	3.80	FD(BL)-AB-190126-04#
AN000296A01				794.0125	2.96	-0.40	8.06	4.46	FD(BL)-AB-190126-05#
NAF5080A				794.0125	2.95	-0.35	2.65	1.46	FD(BL)-AB-190126-06#
PMAF4022A				794.0125	2.95	-0.26	7.53	4.05	FD(BL)-AB-190126-07#
PSM (799-824 MHz)									
PMAF4002A	NNTN9089A	4205823V08	PMMN4061B	794.0125	2.90	-0.10	3.57	1.88	LOH-AB-190228-05
Face (799-824 MHz)									
KT000026A01	NNTN9089A	@ back (Display side against the phantom)	None	794.0125	2.95	-0.42	1.76	0.98	ZR-FACE-190110-09
AN000296A01				794.0125	2.94	-0.23	2.75	1.47	LOH-FACE-190314-09
NAF5080A				794.0125	2.95	-0.26	3.18	1.71	ZR-FACE-190110-14
PMAF4022A				794.0125	2.95	-0.31	2.04	1.11	ZR-FACE-190110-15

5.0 Variability Assessment

Per the guidelines in KDB 865664 SAR variability assessment is not required because SAR results for VHF band are below 4.0 W/kg. Variability assessments are required for UHF R1, UHF R2, 7/800 because SAR results are above 4.0 W/kg.

The Table below includes test results of the original measurement(s), the repeated measurement(s), and the ratio (SAR_{high}/SAR_{low}) for the applicable test configuration(s).

Table 134 (UHF R1)

Run#	Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq. (MHz)	Adj Calc. Ig-SAR (W/kg)	Ratio	Comments
AM-AB-181225-12	PMAE4049A	NNTN9087A	PMLN7947A w/ NTN8266B	PMMN4123A	470.0000	6.32	1.02	No additional repeated scans is required due to the Ratio (SAR_{high}/SAR_{low}) < 1.20
FD(BL)-AB-190110-03#						6.18		

Table 135 (UHF R2)

Run#	Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq. (MHz)	Adj Calc. Ig-SAR (W/kg)	Ratio	Comments
FD(BL)-AB-190121-04#	PMAE4049A	NNTN9087A	PMLN7947A w/ NTN8266B	NMN6274B	481.0000	5.97	1.06	No additional repeated scans is required due to the Ratio (SAR_{high}/SAR_{low}) < 1.20
AN-AB-190128-10						5.65		

Table 136 (769-775MHz)

Run#	Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq. (MHz)	Adj Calc. Ig-SAR (W/kg)	Ratio	Comments
FD(BL)-AB-190131-10	AN000296A01	NNTN9087A	PMLN7947A w/ PMLN7965A	PMMN4123A	774.9875	4.46	1.05	No additional repeated scans is required due to the Ratio (SAR_{high}/SAR_{low}) < 1.20
BL-AB-190209-02#						4.27		

Table 137 (799-824MHz)

Run#	Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq. (MHz)	Adj Calc. Ig-SAR (W/kg)	Ratio	Comments
ZR-AB-190113-02	AN000296A01	NNTN9087A	PMLN7947A w/ NTN8266B	PMMN4123A	808.5000	5.26	1.08	No additional repeated scans is required due to the Ratio (SAR_{high}/SAR_{low}) < 1.20
FD(BL)-AB-190129-12						4.85		

Table 138 (851-869MHz)

Run#	Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq. (MHz)	Adj Calc. 1g-SAR (W/kg)	Ratio	Comments
ZZ-AB-190305-13#	AN000296A01	NNTN9087A	PMLN7947A	PMMN4123A	851.0125	4.23	1.13	No additional repeated scans is required due to the Ratio $(SAR_{high}/SAR_{low}) < 1.20$
FD-AB-190306-04			w/ NTN8266B			3.74		

6.0 Shortened Scan Assessment

A “shortened” scan using the highest SAR configuration overall from above was performed to validate the SAR drift of the full DASY5™ coarse and zoom scans. 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 zoom scan only was performed. The results of the shortened cube scan presented in Appendix demonstrate that the scaling methodology used to determine the calculated SAR results presented herein are valid.

Table 139

Antenna	Battery	Carry Accessory	Cable Accessory	Test Freq (MHz)	Init Pwr (W)	SAR Drift (dB)	Meas. 1g-SAR (W/kg)	Max Calc. 1g-SAR (W/kg)	Run#
PMAE4049A	NNTN9087A	PMLN7947A w/ NTN8266B	PMMN4123A	470.0000	5.60	-0.24	11.70	6.29	FD(BL)-AB-190110-03#