



DECLARATION OF COMPLIANCE SAR ASSESSMENT Part 2 of 3

Motorola Solutions Inc. EME Test Laboratory Motorola Solutions Malaysia Sdn Bhd Plot 2A, Medan Bayan Lepas, Mukim 12 SWD 11900 Bayan Lepas Penang, Malaysia.	Date of Report: 05/12/2024 Report Revision: C
--	--

Responsible Engineer: Report Author: Date/s Tested: Manufacturer: Manufacturer Location: DUT Description: Test TX mode(s): Max. Power output: Nominal Power: Tx Frequency Bands: Signaling type: Model(s) Tested: Model(s) Certified: Serial Number(s): Classification: Firmware Version: Applicant Name: Applicant Address: FCC ID: FCC Test Firm Registration Number: IC: IC Test Site registration:	Puteri Alifah Ilyana Binti Nor Rahim (EME Engineer) Puteri Alifah Ilyana Binti Nor Rahim (EME Engineer) 02/21/24-03/11/24, 3/19/2024, 3/26/2024, 4/12/2024-4/16/2024, 4/20/2024-4/23/2024, 5/10/2024 Motorola Solutions Inc. Sanmina, Penang Handheld Portable – APX N70 Single Band UHF Portable Radio, Model 4.5 Refer table 3 (part 1 of 3) Refer table 3 (part 1 of 3) Refer table 3 (part 1 of 3) Refer table 3 (part 1 of 3) FM, QPSK, 16QAM, DSSS, OFDM, TDMA, LTE, FHSS (Bluetooth), NFC H35XDT9PW8AN Refer 1.0 Introduction (part 1 of 3) 022TAB0433, 022TAB0434 & 022TAB0442 Occupational/Controlled Environment D02.76.02 Motorola Solutions Malaysia. Plot 2A, Medan Bayan lepas, Mukim 12 SWD AZ489FT7176 Add the following when applicable - This report contains results that are immaterial for FCC equipment approval, which are clearly identified. 823256 109U-89FT7176 This report contains results that are immaterial for ISED equipment approval, which are clearly identified. 24843
---	---

The test results clearly demonstrate compliance with 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.

Saw Sun Hock (Approval Signatory)
Approved Date: 05/12/2024

Part 2 of 3

1.0 System Validation for LTE..... 3

2.0 System Verification for LTE 3

3.0 Equivalent Tissue Test Results for LTE..... 4

4.0 DUT Test Data for LTE 5

 4.1 SAR assessments for LTE band 2 (1850-1910 MHz) 6

 4.2 SAR assessments for LTE band 4 (1710-1755 MHz) 14

 4.3 Assessments for LTE band 12 (699-716 MHz) 22

 4.4 SAR assessments for LTE band 13 (777-787 MHz) 28

 4.5 SAR assessments for LTE band 14 (788-798 MHz) 31

1.0 System Validation for LTE

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								
12/29/2023	Head	750	7594	0.87	42.77	Pass	Pass	Pass
1/5/2024	Head	1800		1.39	40.60	Pass	Pass	Pass
LTE								
1/4/2024	Head	750	7594	0.86	42.42	Pass	Pass	Pass
1/5/2024	Head	1800		1.39	40.60	Pass	Pass	Pass

2.0 System Verification for LTE

System verification checks were conducted each day during the SAR assessment. The results are normalized to 1W. Appendix D includes DASY plots with the largest deviation from the qualified source SAR target for each dipole (Bolded). 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	Deviation (%)
7594	IEEE/I EC Head	SPEAG D750V3 / 1098	8.54 +/- 10%	0.285	9.02	3/4/2024@	5.6
				0.291	9.21	3/14/2024	7.8
				0.279	8.83	4/16/2024	3.4
				0.280	8.86	4/19/2024@	3.8
				0.285	9.02	4/20/2024@	5.6
				0.271	8.58	4/21/2024@	0.4

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	Deviation (%)
7594	IEEE/I EC Head	SPEAG D1800V2 / 2D120	38.30 +/- 10%	1.18	37.34	3/5/2024@	-2.5
				1.16	36.71	4/12/2024@	-4.2
				1.15	36.39	4/14/2024	-5.0
				1.18	37.34	4/15/2024	-2.5
				1.16	36.71	4/22/2024@	-4.2
				1.28	40.51	5/10/2024	5.8

3.0 Equivalent Tissue Test Results for LTE

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

Table 3

Frequency (MHz)	Tissue Type	Conductivity Target (S/m)	Dielectric Constant Target	Conductivity Meas. (S/m)	Dielectric Constant Meas.	Tested Date
707.5	IEEE/ IEC Head	0.89 (0.84-0.93)	42.1 (37.89-46.31)	0.82	44.66	3/14/2024
				0.84	41.95	4/19/2024@
				0.88	40.78	4/20/2024@
				0.89	40.85	4/21/2024@
750		0.89 (0.85-0.93)	41.9 (37.71-46.09)	0.88	43.77	3/5/2025@
				0.83	44.53	3/14/2024
				0.90	42.42	4/16/2024
				0.86	41.81	4/19/2024@
				0.90	40.65	4/20/2024@
782		0.89 (0.85-0.94)	41.7 (39.7-43.8)	0.91	40.69	4/21/2024@
				0.89	43.68	3/4/2024
				0.91	42.33	4/16/2024
				0.92	40.62	4/21/2024@

Table 3 (Continued)

Frequency (MHz)	Tissue Type	Conductivity Target (S/m)	Dielectric Constant Target	Conductivity Meas. (S/m)	Dielectric Constant Meas.	Tested Date
793	IEEE/ IEC Head	0.90 (0.85-0.94)	41.7 (39.6-43.8)	0.89	43.65	3/5/2025@
				0.91	40.50	4/20/2024@
				0.92	40.59	4/21/2024@
1732.5		1.36 (1.29-1.43)	40.1 (38.1-42.1)	1.33	41.48	3/5/2025@
				1.25	41.79	4/14/2024
				1.30	42.98	4/15/2024
				1.33	39.65	4/22/2024@
1800		1.40 (1.33-1.47)	40.0 (38.0-42.0)	1.37	41.34	3/5/2025@
				1.28	42.01	4/12/2024@
				1.29	41.73	4/14/2024
				1.34	42.89	4/15/2024
				1.37	39.56	4/22/2024@
				1.35	38.91	5/10/2024
1860		1.40 (1.33-1.47)	40.0 (38.0-42.0)	1.39	38.82	5/10/2024
1880		1.40 (1.33-1.47)	40.0 (38.0-42.0)	1.40	38.78	5/10/2024
1900	1.40 (1.33-1.47)	40.0 (38.0-42.0)	1.34	41.91	4/12/2024@	
			1.34	41.91	4/13/2024@	
			1.35	41.62	4/14/2024	
			1.43	39.41	4/22/2024@	
			1.41	38.75	5/10/2024	

Note: '@' indicates that tissue test result covers next test day (within 24 hours)

4.0 DUT Test Data for LTE

SAR test reduction is applied using the following criteria according to KDB 941225 D05:

- a. Per Section 5.2.1, SAR is required for QPSK 1RB allocation for the largest bandwidth
 - The required channel and RB offset combination with the highest maximum output power is required for SAR.
 - When the reported SAR ≤ 0.8 W/kg, testing of the remaining required test channels are not required. Otherwise, SAR is required for the remaining required test channels using the RB offset configuration with highest output power for that channel.
 - When the reported SAR for a required test channel is > 1.45 W/kg, SAR is required for all RB offset configuration for that channel.
- b. Per Section 5.2.2, SAR is required for QPSK 50% RB allocation using the largest bandwidth following the same procedures outline in Section 5.2.1.

- c. Per Section 5.2.3, QPSK SAR is not required for 100% allocation when the highest maximum output power for the 100% allocation is less than the highest maximum output power of the 1RB and 50%RB allocation and the reported for the 1RB and 50% RB allocation is <0.8 W/kg.
- d. Per Section 5.2.4, SAR test is required for higher modulation when the highest maximum output power for the configuration in higher order modulation is >1/2 dB higher than same configuration in QPSK or when the reported SAR for the QPSK configuration is >1.45 W/kg.

4.1 SAR assessments for LTE band 2 (1850-1910 MHz)

Output Power Data

These power measurements were used to determine the necessary modes for SAR testing according to KDB 941225.

Table 4

Band	BW (MHz)	Modulation	RB Size	RB Offset	Measured power (dBm)			Max power (dBm)	Target MPR			
					Channel	18700	18900			19100		
Frequency (MHz)					1860.00	1880.00	1900.00					
2	20	QPSK	1	0	23.52	23.61	23.62	24.01	0.00			
			1	49	23.40	23.44	23.58					
			1	99	23.31	23.36	23.20					
						50	0	22.50	22.49	22.51	23.01	1.00
						50	25	22.49	22.49	22.55		
						50	50	22.32	22.31	22.31		
						100	0	22.39	22.42	22.43		

Table 4 (Continued)

Channel					18700	18900	19100	Max power (dBm)	Target MPR				
Frequency (MHz)					1860.00	1880.00	1900.00						
2	20	16QAM	1	0	22.84	22.91	22.90	23.01	1.00				
			1	49	22.72	22.63	22.96						
			1	99	22.55	22.56	22.80						
						50	0	21.49	21.49	21.49	22.01	2.00	
						50	25	21.47	21.49	21.58			
						50	50	21.30	21.26	21.35			
						100	0	21.36	21.43	21.43			
Channel					18675	18900	19125	Max power (dBm)	Target MPR				
Frequency (MHz)					1857.50	1880.00	1902.50						
2	15	QPSK	1	0	23.56	23.66	23.77	24.01	0.00				
			1	37	23.21	23.38	23.34						
			1	74	23.58	23.44	23.58						
						36	0	22.52	22.44	22.53	23.01	1.00	
						36	19	22.48	22.43	22.51			
						36	39	22.44	22.45	22.49			
						75	0	22.49	22.50	22.46			
		1				0	22.94	22.77	22.98	23.01			1.00
		1				37	22.99	22.54	22.79				
		1				74	22.78	22.69	22.95				
				16QAM	36	0	21.52	21.47	21.54	22.01	2.00		
					36	19	21.50	21.46	21.50				
					36	39	21.43	21.44	21.49				
					75	0	21.47	21.50	21.42				

Table 4 (Continued)

Channel					18650	18900	19150	Max power (dBm)	Target MPR
Frequency (MHz)					1855.00	1880.00	1905.00		
2	10	QPSK	1	0	23.69	23.51	23.76	24.01	0.00
			1	24	23.58	23.56	23.62		
			1	49	23.52	23.11	23.61		
			25	0	22.51	22.34	22.56	23.01	1.00
			25	12	22.48	22.34	22.50		
			25	25	22.42	22.27	22.51		
		50	0	22.48	22.37	22.51	23.01	1.00	
		16QAM	1	0	22.80	22.69	22.66	23.01	1.00
			1	24	22.70	22.62	22.58		
			1	49	22.80	22.51	22.57		
			25	0	21.53	21.38	21.67	22.01	2.00
			25	12	21.53	21.37	21.56		
			25	25	21.48	21.31	21.58		
			50	0	21.49	21.35	21.53	22.01	2.00
Channel					18625	18900	19175	Max power (dBm)	Target MPR
Frequency (MHz)					1852.50	1880.00	1907.50		
2	5.0	QPSK	1	0	23.68	23.54	23.67	24.01	0.00
			1	12	23.53	23.41	23.47		
			1	24	23.55	23.33	23.53		
			12	0	22.58	22.45	22.44	23.01	1.00
			12	6	22.52	22.40	22.42		
			12	13	22.47	22.28	22.42		
			25	0	22.51	22.37	22.44	23.01	1.00

Table 4 (Continued)

Channel					18625	18900	19175	Max power (dBm)	Target MPR			
Frequency (MHz)					1852.50	1880.00	1907.50					
2	5.0	16QAM	1	0	22.57	22.80	22.73	23.01	1.00			
			1	12	22.63	22.74	22.53					
			1	24	22.48	22.60	22.59					
						12	0	21.53	21.44	21.42	22.01	2.00
						12	6	21.50	21.44	21.43		
						12	13	21.43	21.28	21.36		
						25	0	21.54	21.36	21.49		
Channel					18615	18900	19185	Max power (dBm)	Target MPR			
Frequency (MHz)					1851.50	1880.00	1908.50					
2	3.0	QPSK	1	0	23.54	23.48	23.44	24.01	0.00			
			1	7	23.73	23.53	23.51					
			1	14	23.46	23.39	23.36					
						8	0	22.50	22.46	22.39	23.01	1.00
						8	3	22.53	22.37	22.42		
						8	7	22.49	22.32	22.38		
						15	0	22.54	22.38	22.39		
				16QAM	1	0	22.60	22.52	22.49	23.01	1.00	
						1	7	22.80	22.49			22.44
						1	14	22.99	22.49			22.36
						8	0	21.67	21.36	21.49	22.01	2.00
						8	3	21.67	21.35	21.51		
						8	7	21.63	21.23	21.46		
						15	0	21.58	21.31	21.47		

Table 4 (Continued)

Band	BW (MHz)	Modulation	RB Size	RB Offset	Measured power (dBm)			Max power (dBm)	Target MPR
					18607	18900	19193		
Channel					18607	18900	19193	Max power (dBm)	Target MPR
Frequency (MHz)					1850.70	1880.00	1909.30		
2	1.4	QPSK	1	0	23.39	23.38	23.48	24.01	0.00
			1	2	23.53	23.36	23.44		
			1	5	23.45	23.26	23.34		
			3	0	23.51	23.43	23.42	24.01	0.00
			3	1	23.55	23.41	23.45		
			3	3	23.52	23.38	23.43		
		6	0	22.45	22.31	22.37	23.01	1.00	
		16QAM	1	0	22.53	22.53	22.37	23.01	1.00
			1	2	22.52	22.52	22.37		
			1	5	22.50	22.38	22.39		
			3	0	22.68	22.30	22.42	23.01	1.00
			3	1	22.71	22.37	22.41		
			3	3	22.68	22.27	22.46		
			6	0	21.45	21.36	21.33	22.01	2.00

Assessments at the Body

Table below present the data of the body assessment.

All the belt loops offered were covered during Band 2 testing. SAR plots of the highest results per Table 5 (bolded) are present in the Appendix E.

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#
1 RB									
AN000452A01	PMNN4816A	PMLN8371A w/ PMLN8507A belt clip	None	1900.0000	0.230	0.12	0.011	0.012	BL-AB-240412-08
		PMLN8371A w/ PMLN8508A belt clip		1900.0000	0.230	0.13	0.008	0.009	BL-AB-240412-09
		PMLN8372A w/ PMLN8507A belt clip		1900.0000	0.230	-0.19	0.007	0.008	BL-AB-240412-10
		PMLN8372A w/ PMLN8508A belt clip		1900.0000	0.230	-0.37	0.006	0.008	BL-AB-240413-01@
		PMLN8372A w/ PMLN5407A belt loop		1900.0000	0.230	-0.32	0.006	0.007	BL-AB-240413-02@
		PMLN8372A w/ PMLN5408A belt loop		1900.0000	0.230	0.39	0.011	0.012	BL-AB-240413-03@
		PMLN8372A w/ PMLN5409A belt loop		1900.0000	0.230	0.25	0.010	0.011	BL-AB-240413-04@

Table 5 (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#
50 % RB									
AN000452A01	PMNN4816A	PMLN8371A w/ PMLN8507A belt clip	None	1900.0000	0.176	0.14	0.008	0.010	BL-AB-240413-05@
		PMLN8371A w/ PMLN8508A belt clip		1900.0000	0.176	0.29	0.006	0.007	BL-AB-240413-06@
		PMLN8372A w/ PMLN8507A belt clip		1900.0000	0.176	-0.42	0.004	0.006	BL-AB-240413-07@
		PMLN8372A w/ PMLN8508A belt clip		1900.0000	0.176	-0.27	0.004	0.005	BL-AB-240413-08@
		PMLN8372A w/ PMLN5407A belt loop		1900.0000	0.176	-0.17	0.0001	0.0001	BL-AB-240413-10@
		PMLN8372A w/ PMLN5408A belt loop		1900.0000	0.176	0.10	0.005	0.006	BL-AB-240413-11@
		PMLN8372A w/ PMLN5409A belt loop		1900.0000	0.176	0.27	0.006	0.007	BL-AB-240413-12@
Assessment of Additional Battery (1RB)									
AN000452A01	PMNN4817A	PMLN8371A w/ PMLN8507A belt clip	None	1900.0000	0.230	0.01	0.018	0.020	BL-AB-240414-02
	PMNN4818A				0.232	0.21	0.017	0.018	BL-AB-240414-03

Assessments at the Face

Table below presents the data of the face assessment. SAR plots of the highest results per Table 6 (bolded) are present in the Appendix E.

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#
1 RB									
AN000452A01	PMNN4817A	Radio @ front 2.5cm	None	1900.0000	0.230	0.05	0.098	0.107	EMR-FACE-240422-08
		Radio @ back 2.5cm		1900.0000	0.230	0.11	0.009	0.010	EMR-FACE-240422-09
50 % RB									
AN000452A01	PMNN4817A	Radio @ front 2.5cm	None	1900.0000	0.178	-0.18	0.077	0.090	EMR-FACE-240422-11
		Radio @ back 2.5cm		1900.0000	0.178	-0.37	0.006	0.008	EMR-FACE-240422-12
Assessment of Additional Battery (1RB)									
AN000452A01	PMNN4816A	Radio @ front 2.5cm	None	1900.0000	0.230	-0.07	0.115	0.128	EMR-FACE-240422-13
		Radio @ back 2.5cm			0.230	0.32	0.007	0.007	EMR-FACE-240422-14
	PMNN4818A	Radio @ front 2.5cm			0.232	0.05	0.092	0.100	EMR-FACE-240422-15
		Radio @ back 2.5cm			0.232	-0.06	0.007	0.008	EMR-FACE-240422-18

Additional Assessments for ISED Canada

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. The SAR results are in Tables below. SAR plots of the highest results per Table 7 (bolded) are present in the Appendix E.

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#
Body									
AN000452A01	PMNN4817A	-PMLN8371A w/ PMLN8507A belt clip	None	1860.0000	0.225	-0.08	0.007	0.008	EMR-AB-240510-02
AN000452A01	PMNN4817A	PMLN8371A w/ PMLN8507A belt clip	None	1880.0000	0.230	-0.23	0.008	0.009	EMR-AB-240510-03
AN000452A01	PMNN4817A	PMLN8371A w/ PMLN8507A belt clip	None	1900.0000	0.230	0.01	0.018	0.020	BL-AB-240414-02
Face									
AN000452A01	PMNN4816A	Radio @ front 2.5cm	None	1860.0000	0.221	-0.12	0.130	0.152	EMR-FACE-240510-05
AN000452A01	PMNN4816A	Radio @ front 2.5cm	None	1880.0000	0.225	-0.01	0.126	0.141	EMR-FACE-240510-04
AN000452A01	PMNN4816A	Radio @ front 2.5cm	None	1900.0000	0.230	-0.07	0.115	0.128	EMR-FACE-240422-13

4.2 SAR assessments for LTE band 4 (1710-1755 MHz)

Output Power Data

These power measurements were used to determine the necessary modes for SAR testing according to KDB 941225.

Table 8

Band	BW (MHz)	Modulation	RB Size	RB Offset	Measured power (dBm)			Max power (dBm)	Target MPR
					Channel	20175			
Frequency (MHz)					1732.50				
4	20	QPSK	1	0		23.46		24.01	0.00
			1	49		23.46			
			1	99		23.43			
			50	0		22.43		23.01	1.00
			50	25		22.48			
			50	50		22.40			
		100	0		22.43		23.01	1.00	
		16QAM	1	0		22.64		23.01	1.00
			1	49		22.66			
			1	99		22.59			
			50	0		21.41		22.01	2.00
			50	25		21.45			
			50	50		21.40			
			100	0		21.41		22.01	2.00
Channel					20025	20175	20325	Max power (dBm)	Target MPR
Frequency (MHz)					1717.50	1732.50	1747.50		
4	15	QPSK	1	0	23.55	23.60	23.44	24.01	0.00
			1	37	22.98	23.51	23.40		
			1	74	23.48	23.38	23.46		
			36	0	22.51	22.50	22.44	23.01	1.00
			36	19	22.52	22.53	22.46		
			36	39	22.46	22.44	22.42		
			75	0	22.43	22.47	22.42	23.01	1.00

Table 8 (Continued)

Channel					20025	20175	20325	Max power (dBm)	Target MPR			
Frequency (MHz)					1717.50	1732.50	1747.50					
4	15	16QAM	1	0	22.74	22.83	22.80	23.01	1.00			
			1	37	22.64	22.83	22.80					
			1	74	22.57	22.64	22.91					
						36	0	21.56	21.51	21.42	22.01	2.00
						36	19	21.56	21.53	21.46		
						36	39	21.47	21.49	21.42		
						75	0	21.43	21.47	21.38		
Channel					20000	20175	20350	Max power (dBm)	Target MPR			
Frequency (MHz)					1715.00	1732.50	1750.00					
4	10	QPSK	1	0	23.77	23.96	23.75	24.01	0.00			
			1	24	23.60	23.68	23.66					
			1	49	23.81	23.78	24.01					
						25	0	22.53	22.59	22.52	23.01	1.00
						25	12	22.53	22.57	22.56		
						25	25	22.64	22.73	22.67		
						50	0	22.62	22.63	22.62		
				16QAM	1	0	22.94	22.93	22.87	23.01	1.00	
						1	24	22.80	22.77			22.58
						1	49	22.95	22.95			22.86
						25	0	21.60	21.62	21.65	22.01	2.00
						25	12	21.59	21.61	21.66		
						25	25	21.70	21.71	21.77		
						50	0	21.61	21.60	21.61		

Table 8 (Continued)

Channel					19975	20175	20375	Max power (dBm)	Target MPR
Frequency (MHz)					1712.50	1732.50	1752.50		
4	5.0	QPSK	1	0	23.77	23.75	23.61	24.01	0.00
			1	12	23.71	23.61	23.77		
			1	24	23.56	23.59	23.73		
			12	0	22.65	22.60	22.62	23.01	1.00
			12	6	22.50	22.59	22.55		
			12	13	22.50	22.59	22.57		
			25	0	22.53	22.61	22.55	23.01	1.00
		16QAM	1	0	22.61	22.99	22.94	23.01	1.00
			1	12	22.55	22.83	22.61		
			1	24	22.41	22.88	22.77		
			12	0	21.64	21.62	21.53	22.01	2.00
			12	6	21.48	21.59	21.53		
			12	13	21.49	21.58	21.48		
			25	0	21.52	21.58	21.59	22.01	2.00
Channel					19965	20175	20385	Max power (dBm)	Target MPR
Frequency (MHz)					1711.50	1732.50	1753.50		
4	3.0	QPSK	1	0	23.64	23.70	23.60	24.01	0.00
			1	7	23.83	23.72	23.71		
			1	14	23.55	23.57	23.64		
			8	0	22.53	22.56	22.55	23.01	1.00
			8	3	22.59	22.57	22.60		
			8	7	22.52	22.56	22.54		
			15	0	22.58	22.56	22.55	23.01	1.00
		16QAM	1	0	22.93	22.79	22.71	23.01	1.00
			1	7	23.00	22.73	22.52		
			1	14	22.94	22.73	22.60		
			8	0	21.72	21.58	21.59	22.01	2.00
			8	3	21.78	21.63	21.60		
			8	7	21.68	21.53	21.56		
			15	0	21.67	21.52	21.57	22.01	2.00

Table 8 (Continued)

Band	BW (MHz)	Modulation	RB Size	RB Offset	Measured power (dBm)			Max power (dBm)	Target MPR
					19957	20175	20393		
Channel					1710.70	1732.50	1754.30		
Frequency (MHz)					1710.70	1732.50	1754.30		
4	1.4	QPSK	1	0	23.56	23.61	23.52	24.01	0.00
			1	2	23.38	23.64	23.57		
			1	5	23.53	23.62	23.51		
			3	0	23.62	23.55	23.60	24.01	0.00
			3	1	23.56	23.65	23.67		
			3	3	23.54	23.56	23.69		
		6	0	22.47	22.49	22.57	23.01	1.00	
		16QAM	1	0	22.59	22.76	22.64	23.01	1.00
			1	2	22.61	22.65	22.52		
			1	5	22.65	22.69	22.50		
			3	0	22.75	22.48	22.57	23.01	1.00
			3	1	22.70	22.53	22.68		
			3	3	22.77	22.52	22.60		
			6	0	21.56	21.53	21.62	22.01	2.00

Assessments at the Body

Table below present the data of the body assessment.

The belt loop kit number PMLN5407A, PMLN5408A and PMLN5409A had the same metal size but with different leather length. LTE band 4 only covered the highest SAR belt loop from LTE band 2. SAR plots of the highest results per Table 9 (bolded) are present in the Appendix E.

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#
1 RB									
AN000452A01	PMNN4816A	PMLN8371A w/ PMLN8507A belt clip	None	1732.5000	0.225	-0.17	0.007	0.008	BL-AB-240414-05
		PMLN8371A w/ PMLN8508A belt clip		1732.5000	0.225	-0.12	0.006	0.007	BL-AB-240414-06
		PMLN8372A w/ PMLN8507A belt clip		1732.5000	0.225	-0.45	0.005	0.006	BL-AB-240414-07
		PMLN8372A w/ PMLN8508A belt clip		1732.5000	0.225	0.35	0.004	0.005	BL-AB-240414-08
		PMLN8372A w/ PMLN5408A belt loop		1732.5000	0.225	-0.38	0.007	0.009	BL-AB-240415-06
50 % RB									
AN000452A01	PMNN4816A	PMLN8371A w/ PMLN8507A belt clip	None	1732.5000	0.176	-0.10	0.004	0.004	BL-AB-240414-09
		PMLN8371A w/ PMLN8508A belt clip		1732.5000	0.176	-0.32	0.004	0.005	BL-AB-240414-10
		PMLN8372A w/ PMLN8507A belt clip		1732.5000	0.176	0.42	0.003	0.003	BL-AB-240414-11
		PMLN8372A w/ PMLN8508A belt clip		1732.5000	0.176	0.08	0.004	0.005	BL-AB-240415-03
		PMLN8372A w/ PMLN5408A belt loop		1732.5000	0.176	0.04	0.005	0.006	BL-AB-240415-07

Table 9 (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#
Assessment of Additional Battery (1RB)									
AN000452A01	PMNN4817A	PMLN8371A w/ PMLN8507A belt clip	None	1732.5000	0.222	-0.09	0.006	0.007	BL-AB-240415-04
	PMNN4818A				0.220	-0.27	0.006	0007	BL-AB-240415-05

Assessments at the Face

Table below presents the data of the face assessment. SAR plots of the highest results per Table 10 (bolded) are present in the Appendix E.

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#
1 RB									
AN000452A01	PMNN4817A	Radio @ front 2.5cm	None	1732.5000	0.222	-0.12	0.143	0.167	BL-FACE-240423-01@
		Radio @ back 2.5cm		1732.5000	0.222	-0.39	0.004	0.005	BL-FACE-240422-19
50 % RB									
AN000452A01	PMNN4817A	Radio @ front 2.5cm	None	1732.5000	0.176	-0.19	0.110	0.130	BL-FACE-240422-22
		Radio @ back 2.5cm		1732.5000	0.176	-0.30	0.002	0.003	BL-FACE-240422-21

Table 10 (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#
Assessment of Additional Battery (1RB)									
AN000452A01	PMNN4816A	Radio @ front 2.5cm	None	1732.5000	0.225	-0.06	0.197	0.224	BL-FACE-240305-06@
		Radio @ back 2.5cm			0.225	-0.31	0.004	0.005	BL-FACE-240423-03@
	PMNN4818A	Radio @ front 2.5cm			0.220	-0.06	0.130	0.151	BL-FACE-240423-05@
		Radio @ back 2.5cm			0.220	-0.23	0.004	0.005	BL-FACE-240423-04@

Additional Assessments for ISED Canada

LTE Band 4 only has one channel; no additional tests were required for low, mid and high frequency channels as per ISED Notice 2016-DRS001.

4.3 Assessments for LTE band 12 (699-716 MHz)

Output Power Data

These power measurements were used to determine the necessary modes for SAR testing according to KDB 941225.

Table 11

Band	BW (MHz)	Modulation	RB Size	RB Offset	Measured power (dBm)			Max power (dBm)	Target MPR
						23095			
Channel						707.50			
Frequency (MHz)						707.50			
12	10	QPSK	1	0		23.41		24.01	0.00
			1	24		23.11			
			1	49		23.32			
			25	0		22.25		23.01	1.00
			25	12		22.22			
			25	25		22.22			
		50	0		22.25		23.01	1.00	
		16QAM	1	0		22.90		23.01	1.00
			1	24		22.59			
			1	49		22.84			
			25	0		21.29		22.01	2.00
			25	12		21.30			
			25	25		21.28			
			50	0		21.33		22.01	2.00

Table 11 (Continued)

Channel					23035	23095	23155	Max power (dBm)	Target MPR			
Frequency (MHz)					701.50	707.50	713.50					
12	5.0	QPSK	1	0	23.16	23.15	23.20	24.01	0.00			
			1	12	23.23	23.09	23.11					
			1	24	23.03	23.25	23.02					
			12	5.0	QPSK	12	0	22.15	22.25	22.30	23.01	1.00
						12	6	22.21	22.15	22.28		
						12	13	22.15	22.19	22.36		
						25	0	22.19	22.21	22.32		
Channel					23035	23095	23155	Max power (dBm)	Target MPR			
Frequency (MHz)					701.50	707.50	713.50					
12	5.0	16QAM	1	0	22.11	22.60	22.37	23.01	1.00			
			1	12	22.25	22.49	22.41					
			1	24	21.95	22.49	22.20					
			12	5.0	16QAM	12	0	21.16	21.30	21.29	22.01	2.00
						12	6	21.21	21.24	21.32		
						12	13	21.13	21.26	21.34		
						25	0	21.24	21.23	21.34		
Channel					23025	23095	23165	Max power (dBm)	Target MPR			
Frequency (MHz)					700.50	707.50	714.50					
12	3.0	QPSK	1	0	23.10	23.30	23.24	24.01	0.00			
			1	7	23.07	23.26	23.27					
			1	14	23.08	23.18	23.17					
			12	3.0	QPSK	8	0	22.15	22.28	22.28	23.01	1.00
						8	3	22.14	22.17	22.27		
						8	7	22.14	22.21	22.29		
						15	0	22.21	22.16	22.29		

Table 11 (Continued)

Channel					23025	23095	23165	Max power (dBm)	Target MPR			
Frequency (MHz)					700.50	707.50	714.50					
12	3.0	16QAM	1	0	22.86	22.35	22.34	23.01	1.00			
			1	7	22.74	22.26	22.20					
			1	14	22.68	22.20	22.19					
						8	0	21.39	21.26	21.36	22.01	2.00
						8	3	21.35	21.19	21.42		
						8	7	21.30	21.25	21.37		
						15	0	21.21	21.19	21.33		
Channel					23017	23095	23173	Max power (dBm)	Target MPR			
Frequency (MHz)					699.70	707.50	715.30					
12	1.4	QPSK	1	0	23.62	23.71	23.82	24.01	0.00			
			1	2	23.64	23.61	23.83					
			1	5	23.54	23.73	23.78					
						3	0	23.61	23.65	23.78	24.01	0.00
						3	1	23.65	23.55	23.83		
						3	3	23.52	23.63	23.82		
					6	0	22.59	22.55	22.82			
				16QAM	1	0	22.65	22.72	22.77	23.01	1.00	
					1	2	22.75	22.76	22.88			
					1	5	22.62	22.72	22.88			
						3	0	22.83	22.53	22.82	23.01	1.00
						3	1	22.91	22.66	22.95		
						3	3	22.78	22.62	22.87		
						6	0	21.69	21.62	21.76		

Assessments at the Body

Table below present the data of the body assessment.

The belt loop kit number PMLN5407A, PMLN5408A and PMLN5409A had the same metal size but with different leather length. LTE band 12 only covered the highest SAR belt loop from LTE band 2. SAR plots of the highest results per Table 12 (bolded) are present in the Appendix E.

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#
1 RB									
AN000452A01	PMNN4816A	PMLN8371A w/ PMLN8507A belt clip	None	707.5000	0.223	-0.02	0.122	0.138	BL-AB-240420-21
		PMLN8371A w/ PMLN8508A belt clip		707.5000	0.223	-0.01	0.122	0.138	BL-AB-240420-22
		PMLN8372A w/ PMLN8507A belt clip		707.5000	0.223	0.02	0.119	0.134	BL-AB-240420-23
		PMLN8372A w/ PMLN8508A belt clip		707.5000	0.223	-0.03	0.117	0.133	BL-AB-240420-24
		PMLN8372A w/ PMLN5408A belt loop		707.5000	0.223	0.03	0.095	0.107	BL-AB-240420-25

Table 12 (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#
50 % RB									
AN000452A01	PMNN4816A	PMLN8371A w/ PMLN8507A belt clip	None	707.5000	0.168	-0.15	0.095	0.117	BL-AB-240421-01@
		PMLN8371A w/ PMLN8508A belt clip		707.5000	0.168	-0.13	0.091	0.111	BL-AB-240421-02@
		PMLN8372A w/ PMLN8507A belt clip		707.5000	0.168	-0.15	0.090	0.111	BL-AB-240421-03@
		PMLN8372A w/ PMLN8508A belt clip		707.5000	0.168	-0.20	0.090	0.112	BL-AB-240421-04@
		PMLN8372A w/ PMLN5408A belt loop		707.5000	0.168	-0.07	0.075	0.076	BL-AB-240421-05@
Assessment of Additional Battery (IRB)									
AN000452A01	PMNN4817A	PMLN8371A w/ PMLN8507A belt clip	None	707.5000	0.219	-0.07	0.133	0.155	BL-AB-240421-06@
	PMNN4818A				0.219	-0.08	0.134	0.157	BL-AB-240421-07@

Assessments at the Face

Table below presents the data of the face assessment. SAR plots of the highest results per Table 13 (bolded) are present in the Appendix E.

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#
1 RB									
AN000452A01	PMNN4817A	Radio @ front 2.5cm	None	707.5000	0.219	-0.01	0.076	0.088	BL-FACE-240419-06
		Radio @ back 2.5cm		707.5000	0.219	-0.09	0.058	0.068	BL-FACE-240419-09
50 % RB									
AN000452A01	PMNN4817A	Radio @ front 2.5cm	None	707.5000	0.168	-0.04	0.058	0.070	BL-FACE-240419-07
		Radio @ back 2.5cm		707.5000	0.168	-0.20	0.046	0.057	BL-FACE-240419-08
Assessment of Additional Battery (1RB)									
AN000452A01	PMNN4816A	Radio @ front 2.5cm	None	707.5000	0.215	-0.23	0.088	0.108	AR-FACE-240314-08
		Radio @ back 2.5cm			0.223	-0.06	0.057	0.065	BL-FACE-240419-10
	PMNN4818A	Radio @ front 2.5cm			0.219	0.06	0.076	0.087	BL-FACE-240420-02@
		Radio @ back 2.5cm			0.219	-0.17	0.069	0.083	BL-FACE-240420-03@

Additional Assessments for ISED Canada

LTE Band 12 only has one channel; no additional tests were required for low, mid and high frequency channels as per ISED Notice 2016-DRS001.

4.4 SAR assessments for LTE band 13 (777-787 MHz)

Output Power Data

These power measurements were used to determine the necessary modes for SAR testing according to KDB 941225.

Table 14

Band	BW (MHz)	Modulation	RB Size	RB Offset	Measured power (dBm)			Max power (dBm)	Target MPR
						23230			
Channel						23230			
Frequency (MHz)						782.00			
13	10	QPSK	1	0		23.42		24.01	0.00
			1	24		23.32			
			1	49		23.39			
			25	0		22.45		23.01	1.00
			25	12		22.38			
			25	25		22.31			
		50	0		22.41		23.01	1.00	
		16QAM	1	0		22.94		23.01	1.00
			1	24		22.93			
			1	49		22.84			
			25	0		21.63		22.01	2.00
			25	12		21.44			
			25	25		21.42			
			50	0		21.48		22.01	2.00
Channel						23230			
Frequency (MHz)						782.00			
13	5.0	QPSK	1	0		23.14		24.01	0.00
			1	12		23.34			
			1	24		23.28			
			12	0		22.28		23.01	1.00
			12	6		22.36			
			12	13		22.32			
			25	0		22.31		23.01	1.00

Table 14 (Continued)

Channel					23230		Max power (dBm)	Target MPR			
Frequency (MHz)					782.00						
13	5.0	16QAM	1	0		22.35	23.01	1.00			
			1	12		22.42					
			1	24		22.43					
						12	0		21.25	22.01	2.00
						12	6		21.38		
						12	13		21.30		
						25	0		21.35	22.01	2.00

Assessments at the Body

Table below present the data of the body assessment.

The belt loop kit number PMLN5407A, PMLN5408A and PMLN5409A had the same metal size but with different leather length. LTE band 13 only covered the highest SAR belt loop from LTE band 2. SAR plots of the highest results per Table 15 (bolded) are present in the Appendix E.

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#
1 RB									
AN000452A01	PMNN4816A	PMLN8371A w/ PMLN8507A belt clip	None	782.0000	0.219	-0.24	0.136	0.165	AR-AB-240421-08@
		PMLN8371A w/ PMLN8508A belt clip		782.0000	0.219	0.09	0.135	0.155	AR-AB-240421-09@
		PMLN8372A w/ PMLN8507A belt clip		782.0000	0.219	-0.20	0.122	0.147	AR-AB-240421-10@
		PMLN8372A w/ PMLN8508A belt clip		782.0000	0.219	0.07	0.126	0.145	AR-AB-240421-11@
		PMLN8372A w/ PMLN5408A belt loop		782.0000	0.219	0.14	0.098	0.113	Ar-AB-240421-12@

Table 15 (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#
50 % RB									
AN000452A01	PMNN4816A	PMLN8371A w/ PMLN8507A belt clip	None	782.0000	0.222	-0.13	0.099	0.102	AR-AB-240421-13@
		PMLN8371A w/ PMLN8508A belt clip		782.0000	0.222	-0.17	0.097	0.101	AR-AB-240421-14@
		PMLN8372A w/ PMLN8507A belt clip		782.0000	0.222	-0.15	0.094	0.097	AR-AB-240421-15@
		PMLN8372A w/ PMLN8508A belt clip		782.0000	0.222	-0.12	0.097	0.100	AR-AB-240421-16@
		PMLN8372A w/ PMLN5408A belt loop		782.0000	0.222	-0.07	0.075	0.076	AR-AB-240421-17@
Assessment of Additional Battery (1RB)									
AN000452A01	PMNN4817A	PMLN8371A w/ PMLN8507A belt clip	None	782.0000	0.220	-0.27	0.149	0.182	BL-AB-240304-03
	PMNN4818A				0.215	-0.20	0.120	0.147	BL-AB-240421-20

Assessments at the Face

Table below presents the data of the face assessment. SAR plots of the highest results per Table 16 (bolded) are present in the Appendix E.

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#
1 RB									
AN000452A01	PMNN4817A	Radio @ front 2.5cm	None	782.0000	0.220	-0.10	0.099	0.116	BL-FACE-240416-06
		Radio @ back 2.5cm		782.0000	0.220	-0.08	0.097	0.113	BL-FACE-240416-09
50 % RB									
AN000452A01	PMNN4817A	Radio @ front 2.5cm	None	782.0000	0.221	-0.17	0.074	0.077	BL-FACE-240416-07
		Radio @ back 2.5cm		782.0000	0.221	-0.15	0.068	0.070	BL-FACE-240416-08
Assessment of Additional Battery (1RB)									
AN000452A01	PMNN4816A	Radio @ front 2.5cm	None	782.0000	0.219	-0.07	0.117	0.137	BL-FACE-240416-11
		Radio @ back 2.5cm			0.219	-0.17	0.112	0.134	BL-FACE-240416-10
	PMNN4818A	Radio @ front 2.5cm			0.215	-0.13	0.087	0.105	BL-FACE-240416-12
		Radio @ back 2.5cm			0.215	-0.13	0.091	0.110	BL-FACE-240416-13

Additional Assessments for ISED Canada

LTE Band 13 only has one channel; no additional tests were required for low, mid and high frequency channels as per ISED Notice 2016-DRS001.

4.5 SAR assessments for LTE band 14 (788-798 MHz)

Output Power Data

These power measurements were used to determine the necessary modes for SAR testing according to KDB 941225.

Table 17

Band	BW (MHz)	Modulation	RB Size	RB Offset	Measured power (dBm)			Max power (dBm)	Target MPR
						23330			
Channel						793.00			
Frequency (MHz)						793.00			
14	10	QPSK	1	0		23.55		24.01	0.00
			1	24		23.41			
			1	49		23.51			
			25	0		22.43		23.01	1.00
			25	12		22.38			
			25	25		22.46			
		50	0		22.50		23.01	1.00	
		16QAM	1	0		22.91		23.01	1.00
			1	24		22.95			
			1	49		22.99			
			25	0		21.54		22.01	2.00
			25	12		21.52			
			25	25		21.55			
			50	0		21.48		22.01	2.00

Table 17 (Continued)

Band	BW (MHz)	Modulation	RB Size	RB Offset	Measured power (dBm)	Band	BW (MHz)	Max power (dBm)	Target MPR
Channel						23330			
Frequency (MHz)						793.00			
14	5.0	QPSK	1	0		23.39		24.01	0.00
			1	12		23.36			
			1	24		23.39			
			12	0		22.28		23.01	1.00
			12	6		22.30			
			12	13		22.34			
		25	0		22.37		23.01	1.00	
		16QAM	1	0		22.36		23.01	1.00
			1	12		22.36			
			1	24		22.40			
			12	0		21.40		22.01	2.00
			12	6		21.39			
			12	13		21.42			
			25	0		21.41		22.01	2.00

Assessments at the Body

Table below present the data of the body assessment.

The belt loop kit number PMLN5407A, PMLN5408A and PMLN5409A had the same metal size but with different leather length. LTE band 14 only covered the highest SAR belt loop from LTE band 2. SAR plots of the highest results per Table 18 (bolded) are present in the Appendix E.

Table 18

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#
1 RB									
AN000452A01	PMNN4816A	PMLN8371A w/ PMLN8507A belt clip	None	793.0000	0.230	-0.14	0.173	0.196	BL-AB-240421-21
		PMLN8371A w/ PMLN8508A belt clip		793.0000	0.230	-0.11	0.173	0.195	BL-AB-240421-22
		PMLN8372A w/ PMLN8507A belt clip		793.0000	0.230	-0.07	0.168	0.187	BL-AB-240421-23
		PMLN8372A w/ PMLN8508A belt clip		793.0000	0.230	-0.06	0.162	0.180	BL-AB-240305-01@
		PMLN8372A w/ PMLN5408A belt loop		793.0000	0.230	-0.20	0.118	0.136	BL-AB-240421-25
50 % RB									
AN000452A01	PMNN4816A	PMLN8371A w/ PMLN8507A belt clip	None	793.0000	0.174	0.12	0.142	0.163	BL-AB-240421-26
		PMLN8371A w/ PMLN8508A belt clip		793.0000	0.174	-0.20	0.139	0.167	BL-AB-240422-01@
		PMLN8372A w/ PMLN8507A belt clip		793.0000	0.174	-0.17	0.143	0.171	BL-AB-240422-02@
		PMLN8372A w/ PMLN8508A belt clip		793.0000	0.174	-0.23	0.128	0.155	BL-AB-240422-03@
		PMLN8372A w/ PMLN5408A belt loop		793.0000	0.174	0.20	0.100	0.115	BL-AB-240422-04@

Table 18 (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#
Assessment of Additional Battery (1RB)									
AN000452A01	PMNN4817A	PMLN8371A w/ PMLN8507A belt clip	None	793.0000	0.227	-0.09	0.170	0.193	BL-AB-240422-05@
	PMNN4818A				0.234	-0.10	0.128	0.141	BL-AB-240422-06@

Assessments at the Face

Table below presents the data of the face assessment. SAR plots of the highest results per Table 19 (bolded) are present in the Appendix E.

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#
1 RB									
AN000452A01	PMNN4817A	Radio @ front 2.5cm	None	793.0000	0.227	0.03	0.106	0.118	BL-FACE-240420-07@
		Radio @ back 2.5cm		793.0000	0.227	-0.10	0.110	0.125	BL-FACE-240305-04@
50 % RB									
AN000452A01	PMNN4817A	Radio @ front 2.5cm	None	793.0000	0.175	0.03	0.084	0.096	BL-FACE-240420-06@
		Radio @ back 2.5cm		793.0000	0.175	-0.05	0.083	0.096	BL-FACE-240420-05@

Table 19 (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#
Assessment of Additional Battery (1RB)									
AN000452A01	PMNN4816A	Radio @ front 2.5cm	None	793.0000	0.230	-0.04	0.124	0.137	BL-FACE-240420-08@
		Radio @ back 2.5cm			0.230	0.01	0.105	0.115	BL-FACE-240420-09@
	PMNN4818A	Radio @ front 2.5cm			0.234	-0.01	0.098	0.108	BL-FACE-240420-19@
		Radio @ back 2.5cm			0.234	-0.14	0.092	0.102	BL-FACE-240420-20@

Additional Assessments for ISED Canada

LTE Band 14 only has one channel; no additional tests were required for low, mid and high frequency channels as per ISED Notice 2016-DRS001.