



**DECLARATION OF COMPLIANCE SAR ASSESSMENT Part 2 of 3**


<b>Motorola Solutions Inc.</b> <b>EME Test Laboratory</b> Motorola Solutions Malaysia Sdn Bhd Plot 2A, Medan Bayan Lepas, Mukim 12 SWD 11900 Bayan Lepas Penang, Malaysia.	<b>Date of Report:</b> 10/12/2022 <b>Report Revision:</b> D
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<b>Responsible Engineer:</b> <b>Report Author:</b> <b>Date/s Tested:</b> <b>Manufacturer:</b> <b>DUT Description:</b>  <b>Test TX mode(s):</b> <b>Max. Power output:</b> <b>Tx Frequency Bands:</b> <b>Signaling type:</b> <b>Model(s) Tested:</b> <b>Model(s) Certified:</b> <b>Serial Number(s):</b> <b>Classification:</b> <b>Applicant Name:</b> <b>Applicant Address:</b> <b>FCC ID:</b>  <b>IC:</b>  <b>ISED Test Site registration:</b> <b>FCC Test Firm Registration Number:</b>	Puteri Alifah Ilyana Binti Nor Rahim (EME Engineer) Muhammad Hizami Bin Ismail (EME Senior Technician) 7/28/2022-8/4/2022, 8/6/2022-8/20/2022, 8/25/2022, 8/29/2022, 8/31/2022 Motorola Solutions Inc. Handheld Portable – APX N70 Device without pin for battery control Non-UL model  CW (PTT), BT, WLAN, LTE Refer Table 3 Refer Table 3 FM, QPSK, 16QAM, FHSS, DSSS, OFDM, TDMA and NFC H35UCT9PW8AN H35UCT9PW8AN 022TYP0015, 022TYP0026, 022TYP0006 Occupational/Controlled Motorola Solutions Inc. 8000 West Sunrise Boulevard, Fort Lauderdale, Florida 33322 AZ489FT7147; This report contains results that are immaterial for FCC equipment approval, which are clearly identified.  109U-89FT7147; This report contains results that are immaterial for ISED equipment approval, which are clearly identified.  24843 823256
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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.

 <b>Saw Sun Hock (Approved Signatory)</b> <b>Approval Date: 10/12/2022</b>	
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### 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		
				$\sigma$	$\epsilon_r$	Sensitivity	Linearity	Isotropy
CW								
06/02/2022	Head	750	7364	0.86	40.80	Pass	Pass	Pass
06/07/2022	Head	1800		1.34	40.40	Pass	Pass	Pass
06/23/2022	Head	750	7519	0.86	43.60	Pass	Pass	Pass
07/25/2022	Head	1800		1.38	39.60	Pass	Pass	Pass
LTE								
06/02/2022	Head	750 (1 RB)	7364	0.86	40.80	Pass	Pass	Pass
06/02/2022	Head	750 (50% RB)		0.86	40.80	Pass	Pass	Pass
06/07/2022	Head	1800 (1 RB)		1.34	40.40	Pass	Pass	Pass
06/07/2022	Head	1800 (50% RB)		1.34	40.40	Pass	Pass	Pass
06/23/2022	Head	750 (1 RB)	7519	0.86	43.60	Pass	Pass	Pass
06/23/2022	Head	750 (50% RB)		0.86	43.60	Pass	Pass	Pass
06/25/2022	Head	1800 (1 RB)		1.38	39.60	Pass	Pass	Pass
06/25/2022	Head	1800 (50% RB)		1.38	39.60	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 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
7364	IEEE/IEC Head	SPEAG D750V3 / 1098	8.54 ± 10%	2.15	8.60	08/11/2022#
				2.20	8.80	08/12/2022#
				2.20	8.80	08/13/2022#
				1.94	7.76	08/18/2022#
				1.99	7.96	08/19/2022#
				2.03	8.12	08/20/2022

**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
7364	IEEE/IEC Head	SPEAG D1800V2 / 2D120	38.10 ± 10%	10.30	41.20	08/14/2022#
				9.98	39.92	08/15/2022#
				10.00	40.00	08/16/2022#
				9.82	39.28	08/17/2022
7519		SPEAG D750V3 / 1098	8.54 ± 10%	2.08	8.32	08/29/2022
		SPEAG D1800V2 / 2D120	38.10 ± 10%	8.76	35.04	08/25/2022

Note: ‘#’ indicates that system verification check covers next test day

### 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
708	IEEE/IEC Head	0.89 (0.84-0.93)	42.1 (40.0-44.2)	0.91	40.8	08/11/2022#
				0.88	41.2	08/12/2022#
				0.87	40.1	08/18/2022
				0.87	42.3	08/19/2022#
				0.86	40.3	08/29/2022
750		0.89 (0.85-0.93)	41.9 (39.8-44.0)	0.92	40.7	08/11/2022#
				0.89	41.1	08/12/2022#
				0.87	40.0	08/13/2022#
				0.88	40.0	08/18/2022#
				0.88	42.1	08/19/2022#
				0.87	43.8	08/20/2022
782		0.89 (0.85-0.94)	41.7 (39.7-43.8)	0.89	39.9	08/18/2022#
				0.89	42.0	08/19/2022
793		0.90 (0.85-0.94)	41.7 (39.6-43.8)	0.90	40.9	08/12/2022#
				0.88	39.8	08/13/2022#
	0.90			42.0	08/19/2022#	
	0.88			43.7	08/20/2022	
1733	1.36 (1.29-1.43)	40.1 (38.1-42.1)	1.32	39.6	08/14/2022#	
			1.30	38.4	08/15/2022	
			1.31	38.7	08/16/2022#	
			1.32	38.7	08/17/2022	

**Table 3 (Continued)**

Frequency (MHz)	Tissue Type	Conductivity Target (S/m)	Dielectric Constant Target	Conductivity Meas. (S/m)	Dielectric Constant Meas.	Tested Date
1800	IEEE/ IEC Head	1.40 (1.33-1.47)	40.0 (38.0-42.0)	1.35	39.5	08/14/2022#
				1.34	38.3	08/15/2022#
				1.34	38.6	08/16/2022#
				1.35	38.6	08/17/2022
				1.34	41.7	08/25/2022
1860		1.40 (1.33-1.47)	40.0 (38.0-42.0)	1.38	38.5	08/17/2022
				1.37	41.6	08/25/2022
1880		1.40 (1.33-1.47)	40.0 (38.0-42.0)	1.39	38.5	08/17/2022
				1.38	41.6	08/25/2022
1900		1.40 (1.33-1.47)	40.0 (38.0-42.0)	1.39	38.1	08/15/2022#
	1.39			38.5	08/16/2022#	

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  $\leq 0.8$  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 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 4

Band	BW (MHz)	Modulation	RB Size	RB Offset	Measured power (dBm)			Max power (dBm)	Target MPR			
Channel						23095						
Frequency (MHz)						707.50						
12	10	QPSK	1	0		23.83		24.01	0.00			
			1	24		23.17						
			1	49		23.94						
			25	0		22.67		23.01	1.00			
			25	12		22.68						
			25	25		22.69						
				16QAM	50	0		22.71		23.01	1.00	
					1	0		22.71		23.01	1.00	
					1	24		22.93				
					1	49		22.62				
						25	0		21.75		22.01	2.00
						25	12		21.71			
					25	25		21.70				
					50	0		21.73		22.01	2.00	
Channel					23025	23095	23165	Max power (dBm)	Target MPR			
Frequency (MHz)					700.50	707.50	714.50					
12	5.0	QPSK	1	0	23.69	23.62	23.82	24.01	0.00			
			1	12	23.97	23.58	23.67					
			1	24	23.51	23.74	23.66					
					16QAM	12	0	22.61	22.70	22.82	23.01	1.00
						12	6	22.69	22.65	22.83		
						12	13	22.65	22.67	22.93		
						25	0	22.71	22.64	22.82	23.01	1.00
						1	0	22.67	22.97	22.99	23.01	1.00
						1	12	22.65	22.84	22.88		
					1	24	22.48	22.97	22.50			
					12	0	21.63	21.67	21.79	22.01	2.00	
					12	6	21.71	21.67	21.82			
					12	13	21.62	21.71	21.96			
					25	0	21.71	21.64	21.84	22.01	2.00	
Channel					23017	23095	23173	Max power (dBm)	Target MPR			
Frequency (MHz)					699.70	707.50	715.30					
12	3.0	QPSK	1	0	23.59	23.65	23.88	24.01	0.00			
			1	7	23.48	23.52	23.80					
			1	14	23.46	23.65	23.65					
					16QAM	8	0	22.69	22.67	22.75	23.01	1.00
						8	3	22.65	22.62	22.86		
						8	7	22.62	22.65	22.90		
						15	0	22.63	22.60	22.86	23.01	1.00
						1	0	22.00	22.69	22.83	23.01	1.00
						1	7	22.40	22.78	22.95		
					1	14	22.40	22.83	22.81			
					8	0	21.92	21.64	21.84	22.01	2.00	
					8	3	21.84	21.65	21.98			
					8	7	21.78	21.66	21.96			
					15	0	21.70	21.58	21.97	22.01	2.00	

**Table 4 (Continued)**

Band	BW (MHz)	Modulation	RB Size	RB Offset	Measured power (dBm)			Max power (dBm)	Target MPR
					23017	23095	23173		
Channel					699.70	707.50	715.30		
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	23.01	1.00	
		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	22.01	2.00	

**Assessments at the Body**

Table below presents the data of the body assessment.

**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									
AN000413A01	PMNN4816A	PMLN8371A w/ PMLN8507A belt clip	None	707.5000	0.172	-0.09	0.081	<b>0.121</b>	AF-AB-220811-22
		PMLN8371A w/ PMLN8508A belt clip		707.5000	0.172	-0.08	0.080	0.119	AF-AB-220811-23
		PMLN8372A w/ PMLN8507A belt clip		707.5000	0.172	-0.03	0.072	0.106	AF-AB-220811-24
		PMLN8372A w/ PMLN8508A belt clip		707.5000	0.172	-0.12	0.071	0.107	AF-AB-220812-01#
		PMLN8372A w/ PMLN5407A belt loop		707.5000	0.172	-0.07	0.057	0.085	AF-AB-220812-02#
		PMLN8372A w/ PMLN5408A belt loop		707.5000	0.172	0.00	0.044	0.064	AF-AB-220812-03#
		PMLN8372A w/ PMLN5409A belt loop		707.5000	0.172	-0.02	0.046	0.068	AF-AB-220812-04#



**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									
AN000413A01	PMNN4816A	PMLN8371A w/ PMLN8507A belt clip	None	707.5000	0.171	-0.10	0.060	0.072	AF-AB-220812-05#
		PMLN8371A w/ PMLN8508A belt clip		707.5000	0.171	-0.08	0.052	0.062	MFR-AB-220812-06#
		PMLN8372A w/ PMLN8507A belt clip		707.5000	0.171	-0.16	0.050	0.061	MFR-AB-220812-08
		PMLN8372A w/ PMLN8508A belt clip		707.5000	0.171	-0.02	0.048	0.056	MFR-AB-220812-09
		PMLN8372A w/ PMLN5407A belt loop		707.5000	0.171	-0.10	0.036	0.043	MFR-AB-220812-10
		PMLN8372A w/ PMLN5408A belt loop		707.5000	0.171	-0.16	0.030	0.036	MFR-AB-220813-01#
		PMLN8372A w/ PMLN5409A belt loop		707.5000	0.171	0.11	0.031	0.036	MFR-AB-220813-02#
Assessment of Additional Battery									
AN000413A01	PMNN4817A	PMLN8371A w/ PMLN8507A belt clip	None	707.5000	0.248	-0.23	0.067	0.072	BAD-AB-220829-13

**Assessments at the Face**

Table below presents the data of the face assessment.

**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									
AN000413A01	PMNN4817A	Radio @ front 2.5cm	None	707.5000	0.248	-0.09	0.037	0.038	AF-FACE-220818-07
		Radio @ back 2.5cm		707.5000	0.248	0.03	0.049	0.050	SAN-FACE-220819-19
50 % RB									
AN000413A01	PMNN4817A	Radio @ front 2.5cm	None	707.5000	0.186	-0.15	0.026	0.029	SAN-FACE-220819-20
		Radio @ back 2.5cm		707.5000	0.186	0	0.037	0.040	SAN-FACE-220819-17
Assessment of Additional Battery									
AN000413A01	PMNN4816A	Radio @ front 2.5cm	None	707.5000	0.172	-0.43	0.044	<b>0.071</b>	SAN-FACE-220820-01#
		Radio @ back 2.5cm		707.5000	0.172	-0.04	0.048	0.071	SAN-FACE-220819-18

**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.

### 4.2 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 8**

Band	BW (MHz)	Modulation	RB Size	RB Offset	Measured power (dBm)		Max power (dBm)	Target MPR
Channel					23230			
Frequency (MHz)					782.00			
13	10	QPSK	1	0	23.98		24.01	0.00
			1	24	22.19			
			1	49	23.78			
			25	0	23.00		23.01	
			25	12	22.83			
			25	25	22.80			
		50	0	22.87		23.01	1.00	
		16QAM	1	0	21.07		23.01	1.00
			1	24	21.20			
			1	49	21.22			
			25	0	20.21		22.01	
			25	12	21.84			
			25	25	21.85			
		50	0	21.97		22.01	2.00	
Channel					23230		Max power (dBm)	Target MPR
Frequency (MHz)					782.00			
13	5.0	QPSK	1	0	23.76		24.01	0.00
			1	12	23.70			
			1	24	23.70			
			12	0	22.84		23.01	
			12	6	22.86			
			12	13	22.79			
		25	0	22.87		23.01	1.00	
		16QAM	1	0	22.68		23.01	1.00
			1	12	22.63			
			1	24	22.68			
			12	0	21.83		22.01	
			12	6	21.86			
			12	13	21.76			
		25	0	21.89		22.01	2.00	

**Assessments at the Body**

Table below presents the data of the body assessment.

**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									
AN000413A01	PMNN4816A	PMLN8371A w/ PMLN8507A belt clip	None	782.0000	0.228	0.00	0.066	0.073	AF-AB-220818-15
		PMLN8371A w/ PMLN8508A belt clip		782.0000	0.228	0.00	0.066	0.073	AF-AB-220818-16
		PMLN8372A w/ PMLN8507A belt clip		782.0000	0.228	-0.07	0.062	0.070	SAN-AB-220818-17
		PMLN8372A w/ PMLN8508A belt clip		782.0000	0.228	-0.40	0.059	0.071	SAN-AB-220818-18
		PMLN8372A w/ PMLN5407A belt loop		782.0000	0.228	-0.42	0.046	0.056	SAN-AB-220818-19
		PMLN8372A w/ PMLN5408A belt loop		782.0000	0.228	-0.45	0.040	0.049	SAN-AB-220818-20
		PMLN8372A w/ PMLN5409A belt loop		782.0000	0.228	-0.36	0.041	0.049	SAN-AB-220819-01#
50 % RB									
AN000413A01	PMNN4816A	PMLN8371A w/ PMLN8507A belt clip	None	782.0000	0.170	-0.33	0.050	0.063	SAN-AB-220819-02#
		PMLN8371A w/ PMLN8508A belt clip		782.0000	0.170	-0.39	0.051	0.066	SAN-AB-220819-03#
		PMLN8372A w/ PMLN8507A belt clip		782.0000	0.170	-0.45	0.047	0.061	SAN-AB-220819-05
		PMLN8372A w/ PMLN8508A belt clip		782.0000	0.170	-0.36	0.045	0.058	SAN-AB-220819-06
		PMLN8372A w/ PMLN5407A belt loop		782.0000	0.170	-0.33	0.035	0.044	SAN-AB-220819-07

**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#
AN000413A01	PMNN4816A	PMLN8372A w/ PMLN5408A belt loop	None	782.0000	0.170	-0.08	0.026	0.031	MFR-AB-220819-08
		PMLN8372A w/ PMLN5409A belt loop		782.0000	0.170	-0.25	0.043	0.054	MFR-AB-220819-09
Assessment of Additional Battery									
AN000413A01	PMNN4817A	PMLN8371A w/ PMLN8507A belt clip	None	782.0000	0.250	-0.43	0.089	<b>0.099</b>	MFR-AB-220819-10

**Assessments at the Face**

Table below presents the data of the face assessment.

**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									
AN000413A01	PMNN4817A	Radio @ front 2.5cm	None	782.0000	0.250	-0.19	0.037	0.039	AF-FACE-220818-09
		Radio @ back 2.5cm		782.0000	0.250	-0.29	0.052	<b>0.056</b>	AF-FACE-220818-10
50 % RB									
AN000413A01	PMNN4817A	Radio @ front 2.5cm	None	782.0000	0.200	-0.44	0.022	0.024	AF-FACE-220818-12
		Radio @ back 2.5cm		782.0000	0.200	-0.01	0.043	0.043	AF-FACE-220818-11
Assessment of Additional Battery									
AN000413A01	PMNN4816A	Radio @ front 2.5cm	None	782.0000	0.228	0.03	0.027	0.030	AF-FACE-220818-13
		Radio @ back 2.5cm		782.0000	0.228	0.00	0.039	0.043	AF-FACE-220818-14

**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.

**4.3 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 12**

Band	BW (MHz)	Modulation	RB Size	RB Offset	Measured power (dBm)		Max power (dBm)	Target MPR
					Channel	Frequency (MHz)		
14	10	QPSK	1	0	23.68		24.01	0.00
			1	24	23.63			
			1	49	23.44			
			25	0	22.61		23.01	1.00
			25	12	22.55			
			25	25	22.59			
		50	0	22.63		23.01	1.00	
		16QAM	1	0	22.84		23.01	1.00
			1	24	22.86			
			1	49	22.99			
			25	0	21.63		22.01	2.00
			25	12	21.59			
			25	25	21.62			
			50	0	21.58		22.01	2.00

**Table 12 (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		23.89		24.01	0.00
			1	12		23.97			
			1	24		23.90			
			12	0		22.86		23.01	1.00
			12	6		22.91			
			12	13		22.99			
		25	0		22.89		23.01	1.00	
		16QAM	1	0		22.82		23.01	1.00
			1	12		22.76			
			1	24		22.85			
			12	0		21.86		22.01	2.00
			12	6		21.89			
12	13			21.93					
25	0		21.93		22.01	2.00			

**Assessments at the Body**

Table below presents the data of the body assessment.

**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									
AN000413A01	PMNN4816A	PMLN8371A w/ PMLN8507A belt clip	None	793.0000	0.229	-0.38	0.064	0.077	MFR-AB-220813-04#
		PMLN8371A w/ PMLN8508A belt clip		793.0000	0.229	-0.34	0.062	0.074	MFR-AB-220813-05#
		PMLN8372A w/ PMLN8507A belt clip		793.0000	0.229	-0.40	0.061	0.074	MFR-AB-220813-06#
		PMLN8372A w/ PMLN8508A belt clip		793.0000	0.229	-0.27	0.101	<b>0.118</b>	MFR-AB-220813-07#
		PMLN8372A w/ PMLN5407A belt loop		793.0000	0.229	-0.32	0.048	0.057	MFR-AB-220813-08#

**Table 13 (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#
AN000413A01	PMNN4816A	PMLN8372A w/ PMLN5408A belt loop	None	793.0000	0.229	-0.17	0.064	0.073	MFR-AB-220813-09#
		PMLN8372A w/ PMLN5409A belt loop		793.0000	0.229	-0.06	0.061	0.068	MFR-AB-220814-01#
50 % RB									
AN000413A01	PMNN4816A	PMLN8371A w/ PMLN8507A belt clip	None	793.0000	0.171	-0.07	0.091	0.108	MFR-AB-220814-02#
		PMLN8371A w/ PMLN8508A belt clip		793.0000	0.171	-0.11	0.087	0.104	MFR-AB-220814-03#
		PMLN8372A w/ PMLN8507A belt clip		793.0000	0.171	-0.09	0.078	0.093	MFR-AB-220814-04#
		PMLN8372A w/ PMLN8508A belt clip		793.0000	0.171	-0.11	0.075	0.090	MFR-AB-220814-05#
		PMLN8372A w/ PMLN5407A belt loop		793.0000	0.171	-0.37	0.049	0.062	MFR-AB-220814-07#
		PMLN8372A w/ PMLN5408A belt loop		793.0000	0.171	-0.04	0.053	0.063	SAN-AB-220814-08#
		PMLN8372A w/ PMLN5409A belt loop		793.0000	0.171	-0.16	0.050	0.061	SAN-AB-220814-09#
Assessment of Additional Battery									
AN000413A01	PMNN4817A	PMLN8372A w/ PMLN8508A belt clip	None	793.0000	0.233	-0.21	0.098	0.111	SAN-AB-220814-10#



**Assessments at the Face**

Table below presents the data of the face assessment.

**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#
1 RB									
AN000413A01	PMNN4817A	Radio @ front 2.5cm	None	793.0000	0.233	-0.03	0.054	0.059	SAN-FACE-220820-02#
		Radio @ back 2.5cm		793.0000	0.233	-0.07	0.072	<b>0.079</b>	SAN-FACE-220820-06
50 % RB									
AN000413A01	PMNN4817A	Radio @ front 2.5cm	None	793.0000	0.182	-0.41	0.030	0.036	SAN-FACE-220820-03#
		Radio @ back 2.5cm		793.0000	0.182	0.04	0.041	0.045	MFR-FACE-220820-07
Assessment of Additional Battery									
AN000413A01	PMNN4816A	Radio @ front 2.5cm	None	793.0000	0.229	-0.32	0.035	0.041	SAN-FACE-220820-05
		Radio @ back 2.5cm		793.0000	0.229	-0.42	0.037	0.045	MFR-FACE-220820-09

**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.

**4.4 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 16**

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	23.20			24.01	0.00
			1	49	23.31				
			1	99	23.21				
			50	0	22.27			23.01	1.00
			50	25	22.16				
			50	50	22.14				
		100	0	22.20			23.01	1.00	
		16QAM	1	0	22.80			23.01	1.00
			1	49	22.95				
			1	99	22.75				
			50	0	21.29			22.01	2.00
			50	25	21.17				
			50	50	21.12				
			100	0	21.23			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	23.35	23.41	23.08	24.01	0.00
			1	37	23.20	23.13	23.01		
			1	74	23.19	23.15	23.19		
			36	0	22.21	22.27	22.07	23.01	1.00
			36	19	22.22	22.27	22.17		
			36	39	22.21	22.18	22.19		
			75	0	22.24	22.23	22.16	23.01	1.00
		16QAM	1	0	22.55	22.50	22.55	23.01	1.00
			1	37	22.86	22.48	22.54		
			1	74	22.83	22.35	22.70		
			36	0	21.24	21.32	21.10	22.01	2.00
			36	19	21.26	21.29	21.17		
			36	39	21.22	21.23	21.18		
			75	0	21.26	21.23	21.19	22.01	2.00

**Table 16(Continued)**

Band	BW (MHz)	Modulation	RB Size	RB Offset	Measured power (dBm)			Max power (dBm)	Target MPR
					20000	20175	20350		
<b>Channel</b>					<b>20000</b>	<b>20175</b>	<b>20350</b>		
<b>Frequency (MHz)</b>					<b>1715.00</b>	<b>1732.50</b>	<b>1750.00</b>		
4	10	QPSK	1	0	23.59	23.73	23.59	24.01	0.00
			1	24	23.37	23.43	23.32		
			1	49	23.53	23.76	23.74		
			25	0	22.40	22.37	22.27	23.01	1.00
			25	12	22.37	22.37	22.29		
			25	25	22.47	22.46	22.39		
		50	0	22.42	22.45	22.32	23.01	1.00	
		16QAM	1	0	22.92	22.83	22.60	23.01	1.00
			1	24	22.60	22.57	22.92		
			1	49	22.88	22.78	22.72		
			25	0	21.50	21.48	21.40	22.01	2.00
			25	12	21.43	21.42	21.37		
			25	25	21.57	21.50	21.47		
		50	0	21.40	21.43	21.35	22.01	2.00	
<b>Channel</b>					<b>19975</b>	<b>20175</b>	<b>20375</b>	<b>Max power (dBm)</b>	<b>Target MPR</b>
<b>Frequency (MHz)</b>					<b>1712.50</b>	<b>1732.50</b>	<b>1752.50</b>		
4	5.0	QPSK	1	0	23.41	23.59	23.44	24.01	0.00
			1	12	23.26	23.81	23.67		
			1	24	23.39	23.40	23.34		
			12	0	22.42	22.41	22.31	23.01	1.00
			12	6	22.31	22.39	22.27		
			12	13	22.30	22.33	22.22		
		25	0	22.35	22.36	22.25	23.01	1.00	
		16QAM	1	0	22.27	22.83	22.61	23.01	1.00
			1	12	22.33	22.69	22.36		
			1	24	22.31	22.66	22.41		
			12	0	21.41	21.42	21.32	22.01	2.00
			12	6	21.35	21.41	21.24		
			12	13	21.37	21.40	21.25		
		25	0	21.45	21.35	21.28	22.01	2.00	
<b>Channel</b>					<b>19965</b>	<b>20175</b>	<b>20385</b>	<b>Max power (dBm)</b>	<b>Target MPR</b>
<b>Frequency (MHz)</b>					<b>1711.50</b>	<b>1732.50</b>	<b>1753.50</b>		
4	3.0	QPSK	1	0	23.38	23.41	23.34	24.01	0.00
			1	7	23.26	23.35	23.24		
			1	14	23.25	23.30	23.20		
			8	0	22.33	22.36	22.25	23.01	1.00
			8	3	22.32	22.37	22.22		
			8	7	22.33	22.28	22.21		
		15	0	22.37	22.32	22.25	23.01	1.00	
		16QAM	1	0	22.97	22.47	22.44	23.01	1.00
			1	7	22.65	22.38	22.20		
			1	14	22.85	22.38	22.17		
			8	0	21.56	21.38	21.31	22.01	2.00
			8	3	21.57	21.36	21.33		
			8	7	21.53	21.29	21.28		
		15	0	21.45	21.31	21.30	22.01	2.00	

**Table 16(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	23.29	23.31	23.27	24.01	0.00
			1	2	23.24	23.35	23.25		
			1	5	23.22	23.31	23.25		
			3	0	23.26	23.37	23.20	24.01	0.00
			3	1	23.31	23.38	23.29		
			3	3	23.20	23.34	23.26		
		6	0	22.26	22.30	22.17	23.01	1.00	
		16QAM	1	0	22.31	22.38	22.18	23.01	1.00
			1	2	22.35	22.47	22.17		
			1	5	22.29	22.40	22.10		
			3	0	22.37	22.34	22.30	23.01	1.00
			3	1	22.43	22.34	22.28		
			3	3	22.41	22.28	22.23		
			6	0	21.36	21.36	21.26	22.01	2.00

**Assessments at the Body**

Table below presents the data of the body assessment.

**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#
1 RB									
AN000413A01	PMNN4816A	PMLN8371A w/ PMLN8507A belt clip	None	1732.5000	0.212	-0.60	0.008	0.011	MFR-AB-220814-16
		PMLN8371A w/ PMLN8508A belt clip		1732.5000	0.212	-0.21	0.008	0.010	MFR-AB-220814-17
		PMLN8372A w/ PMLN8507A belt clip		1732.5000	0.212	-0.14	0.007	0.009	MFR-AB-220815-02#
		PMLN8372A w/ PMLN8508A belt clip		1732.5000	0.212	-0.16	0.007	0.008	MFR-AB-220815-03#
		PMLN8372A w/ PMLN5407A belt loop		1732.5000	0.212	0.04	0.011	0.013	MFR-AB-220815-05#
		PMLN8372A w/ PMLN5408A belt loop		1732.5000	0.212	-0.21	0.005	0.006	MFR-AB-220815-06#

**Table 17 (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#
AN000413A01	PMNN4816A	PMLN8372A w/ PMLN5409A belt loop	None	1732.5000	0.212	0.36	0.006	0.007	AF-AB-220815-08#
50 % RB									
AN000413A01	PMNN4816A	PMLN8371A w/ PMLN8507A belt clip	None	1732.5000	0.148	-0.41	0.007	0.010	AF-AB-220815-11#
		PMLN8371A w/ PMLN8508A belt clip		1732.5000	0.148	-0.16	0.006	0.008	AF-AB-220815-13
		PMLN8372A w/ PMLN8507A belt clip		1732.5000	0.148	-0.14	0.004	0.006	AF-AB-220815-14
		PMLN8372A w/ PMLN8508A belt clip		1732.5000	0.148	0.04	0.006	0.008	AF-AB-220815-16
		PMLN8372A w/ PMLN5407A belt loop		1732.5000	0.148	0.00	0.011	0.015	AF-AB-220815-17
		PMLN8372A w/ PMLN5408A belt loop		1732.5000	0.148	-0.21	0.005	0.008	MFR-AB-220815-18
		PMLN8372A w/ PMLN5409A belt loop		1732.5000	0.148	0.17	0.005	0.007	MFR-AB-220815-20
Assessment of Additional Battery									
AN000413A01	PMNN4817A	PMLN8373A w/ PMLN5407A belt loop	None	1732.5000	0.214	-0.14	0.019	<b>*0.023</b>	MFR-AB-220815-21

Note - \* Highest body worn configuration is not compatible with battery PMNN4817A

### Assessments at the Face

Table below presents the data of the face assessment.

**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									
AN000413A01	PMNN4817A	Radio @ front 2.5cm	None	1732.5000	0.214	0.03	0.183	0.215	AF-FACE-220817-09#
		Radio @ back 2.5cm		1732.5000	0.214	-0.08	0.008	0.010	AF-FACE-220817-10#
50 % RB									
AN000413A01	PMNN4817A	Radio @ front 2.5cm	None	1732.5000	0.169	-0.08	0.136	0.164	AF-FACE-220817-13
		Radio @ back 2.5cm		1732.5000	0.169	-0.28	0.007	0.009	AF-FACE-220817-12
Assessment of Additional Battery									
AN000413A01	PMNN4816A	Radio @ front 2.5cm	None	1732.5000	0.212	-0.01	0.226	<b>0.269</b>	AF-FACE-220817-14
		Radio @ back 2.5cm		1732.5000	0.212	-0.07	0.010	0.012	AF-FACE-220817-15

### 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.

### 4.5 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 20**

Band	BW (MHz)	Modulation	RB Size	RB Offset	Measured power (dBm)			Max power (dBm)	Target MPR
					Channel	18700	18900		
Frequency (MHz)					1860.00	1880.00	1900.00		
2	20	QPSK	1	0	23.27	23.36	23.37	24.01	0.00
			1	49	23.28	23.11	23.11		
			1	99	23.13	22.99	22.86		
			50	0	22.24	22.20	22.28	23.01	1.00
			50	25	22.23	22.12	22.23		
			50	50	21.34	21.22	21.23		
		100	0	22.24	22.15	22.15	23.01	1.00	
		16QAM	1	0	22.61	22.59	22.99	23.01	1.00
			1	49	22.46	22.28	22.73		
			1	99	22.36	22.24	22.42		
			50	0	21.27	21.23	21.27	22.01	2.00
			50	25	21.22	21.23	21.22		
			50	50	21.17	21.06	21.12		
			100	0	21.23	21.19	21.18	22.01	2.00
Channel					18675	18900	19125	Max power (dBm)	Target MPR
Frequency (MHz)					1857.50	1880.00	1902.50		
2	15	QPSK	1	0	23.35	23.34	23.39	24.01	0.00
			1	37	23.13	23.01	23.10		
			1	74	23.41	23.22	23.21		
			36	0	22.18	22.20	22.22	23.01	1.00
			36	19	22.21	22.16	22.26		
			36	39	22.29	22.09	22.18		
			75	0	22.10	22.08	22.20	23.01	1.00
		16QAM	1	0	23.00	22.48	22.89	23.01	1.00
			1	37	22.75	22.21	22.45		
			1	74	21.89	22.39	22.69		
			36	0	21.24	21.20	21.23	22.01	2.00
			36	19	21.29	21.18	21.23		
			36	39	21.31	21.14	21.18		
			75	0	21.22	21.16	21.18	22.01	2.00

**Table 20 (Continued)**

Band	BW (MHz)	Modulation	RB Size	RB Offset	Measured power (dBm)			Max power (dBm)	Target MPR
					18650	18900	19150		
<b>Channel</b>					<b>18650</b>	<b>18900</b>	<b>19150</b>		
<b>Frequency (MHz)</b>					<b>1855.00</b>	<b>1880.00</b>	<b>1905.00</b>		
2	10	QPSK	1	0	23.30	23.23	23.26	24.01	0.00
			1	24	22.10	22.34	22.07		
			1	49	23.16	23.17	23.33		
			25	0	22.11	22.19	22.27	23.01	1.00
			25	12	22.16	22.14	22.33		
			25	25	22.07	22.24	22.28		
		50	0	22.16	22.15	22.26	23.01	1.00	
		16QAM	1	0	22.87	22.42	22.44	23.01	1.00
			1	24	21.11	21.48	21.17		
			1	49	22.77	22.30	22.37		
			25	0	21.17	21.22	21.43	22.01	2.00
			25	12	21.21	21.21	21.40		
			25	25	21.18	21.26	21.36		
		50	0	21.19	21.15	21.29	22.01	2.00	
<b>Channel</b>					<b>18625</b>	<b>18900</b>	<b>19175</b>	<b>Max power (dBm)</b>	<b>Target MPR</b>
<b>Frequency (MHz)</b>					<b>1852.50</b>	<b>1880.00</b>	<b>1907.50</b>		
2	5.0	QPSK	1	0	23.29	23.35	23.33	24.01	0.00
			1	12	23.18	23.37	23.14		
			1	24	23.17	23.29	23.13		
			12	0	22.24	22.23	22.26	23.01	1.00
			12	6	22.13	22.19	22.18		
			12	13	22.13	22.13	22.19		
		25	0	22.14	22.20	22.21	23.01	1.00	
		16QAM	1	0	22.18	22.54	22.50	23.01	1.00
			1	12	22.17	22.43	22.21		
			1	24	22.07	22.52	22.14		
			12	0	21.26	21.31	21.26	22.01	2.00
			12	6	21.16	21.27	21.17		
			12	13	21.18	21.18	21.14		
		25	0	21.22	21.20	21.24	22.01	2.00	
<b>Channel</b>					<b>18615</b>	<b>18900</b>	<b>19185</b>	<b>Max power (dBm)</b>	<b>Target MPR</b>
<b>Frequency (MHz)</b>					<b>1851.50</b>	<b>1880.00</b>	<b>1908.50</b>		
2	3.0	QPSK	1	0	23.19	23.22	23.32	24.01	0.00
			1	7	23.08	23.15	23.15		
			1	14	23.13	23.28	23.09		
			8	0	22.15	22.16	22.18	23.01	1.00
			8	3	22.18	22.20	22.17		
			8	7	22.13	22.18	22.13		
		15	0	22.19	22.14	22.15	23.01	1.00	
		16QAM	1	0	22.79	22.31	22.33	23.01	1.00
			1	7	22.69	22.26	22.20		
			1	14	22.66	22.29	22.14		
			8	0	21.37	21.15	21.23	22.01	2.00
			8	3	21.37	21.16	21.23		
			8	7	21.32	21.17	21.18		
		15	0	21.25	21.19	21.19	22.01	2.00	



**Table 20 (Continued)**

Band	BW (MHz)	Modulation	RB Size	RB Offset	Measured power (dBm)			Max power (dBm)	Target MPR
					18607	18900	19193		
Channel					1850.70	1880.00	1909.30		
Frequency (MHz)					1850.70	1880.00	1909.30		
2	1.4	QPSK	1	0	23.25	23.26	23.13	24.01	0.00
			1	2	23.16	23.13	23.10		
			1	5	23.19	23.17	23.10		
			3	0	23.21	23.18	23.14	24.01	0.00
			3	1	23.20	23.19	23.16		
			3	3	23.31	23.15	23.17		
		6	0	22.13	22.12	22.10	23.01	1.00	
		16QAM	1	0	22.30	22.24	22.11	23.01	1.00
			1	2	22.31	22.20	22.13		
			1	5	22.29	22.24	22.11		
			3	0	22.07	22.38	22.27	23.01	1.00
			3	1	22.17	22.31	22.34		
			3	3	22.20	22.26	22.32		
			6	0	21.21	21.11	21.15	22.01	2.00

**Assessments at the Body**

Table below presents the data of the body assessment.

**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#
1 RB									
AN000413A01	PMNN4816A	PMLN8371A w/ PMLN8507A belt clip	None	1900.0000	0.216	-0.23	0.011	0.014	MFR-AB-220816-01#
		PMLN8371A w/ PMLN8508A belt clip		1900.0000	0.216	-0.36	0.012	0.015	MFR-AB-220816-02#
		PMLN8372A w/ PMLN8507A belt clip		1900.0000	0.216	-0.38	0.005	0.007	MFR-AB-220816-03#
		PMLN8372A w/ PMLN8508A belt clip		1900.0000	0.216	-0.18	0.007	0.009	MFR-AB-220816-04#
		PMLN8372A w/ PMLN5407A belt loop		1900.0000	0.216	-0.42	0.012	<b>0.015</b>	MFR-AB-220816-06#
		PMLN8372A w/ PMLN5408A belt loop		1900.0000	0.216	-0.02	0.010	0.012	AF-AB-220816-07#

**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#
AN000413A01	PMNN4816A	PMLN8372A w/ PMLN5409A belt loop	None	1900.0000	0.216	-0.41	0.008	0.010	AF-AB-220816-08#
50 % RB									
AN000413A01	PMNN4816A	PMLN8371A w/ PMLN8507A belt clip	None	1900.0000	0.173	-0.35	0.011	0.014	AF-AB-220816-09#
		PMLN8371A w/ PMLN8508A belt clip		1900.0000	0.173	0.00	0.011	0.013	AF-AB-220816-10#
		PMLN8372A w/ PMLN8507A belt clip		1900.0000	0.173	-0.14	0.003	0.004	AF-AB-220816-11#
		PMLN8372A w/ PMLN8508A belt clip		1900.0000	0.173	0.11	0.006	0.007	AF-AB-220816-13
		PMLN8372A w/ PMLN5407A belt loop		1900.0000	0.173	-0.41	0.011	0.014	AF-AB-220816-14
		PMLN8372A w/ PMLN5408A belt loop		1900.0000	0.173	0.26	0.007	0.008	SAN-AB-220816-18
		PMLN8372A w/ PMLN5409A belt loop		1900.0000	0.173	-0.01	0.006	0.007	SAN-AB-220816-19
Assessment of Additional Battery									
AN000413A01	PMNN4817A	PMLN8372A w/ PMLN5407A belt loop	None	1900.0000	0.217	0.04	0.012	0.014	SAN-AB-220816-20

### Assessments at the Face

Table below presents the data of the face assessment.

**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#
1 RB									
AN000413A01	PMNN4817A	Radio @ front 2.5cm	None	1900.0000	0.217	-0.03	0.118	0.138	SAN-FACE-220817-06#
		Radio @ back 2.5cm		1900.0000	0.217	0.33	0.012	0.014	SAN-FACE-220817-01#
50 % RB									
AN000413A01	PMNN4817A	Radio @ front 2.5cm	None	1900.0000	0.169	-0.01	0.096	0.114	AF-FACE-220817-07#
		Radio @ back 2.5cm		1900.0000	0.169	0.31	0.009	0.010	SAN-FACE-220817-03#
Assessment of Additional Battery									
AN000413A01	PMNN4816A	Radio @ front 2.5cm	None	1900.0000	0.216	0.06	0.137	<b>0.160</b>	AF-FACE-220817-08#
		Radio @ back 2.5cm		1900.0000	0.216	0.08	0.009	0.011	SAN-FACE-220817-05#

### 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 plot is included in Appendix for the highest configuration.

**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									
AN000413A01	PMNN4816A	PMLN8372A w/ PMLN5407A belt loop	None	1860.0000	0.219	0.20	0.014	0.016	DAN-AB-220825-21
AN000413A01	PMNN4816A	PMLN8372A w/ PMLN5407A belt loop	None	1880.0000	0.217	-0.14	0.015	<b>0.018</b>	DAN-AB-220825-22
AN000413A01	PMNN4816A	PMLN8372A w/ PMLN5407A belt loop	None	1900.0000	0.216	-0.42	0.012	0.015	MFR-AB-220816-06#

**Table 23 (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									
AN000413A01	PMNN4816A	Radio @ front 2.5cm	None	1860.0000	0.219	-0.09	0.148	<b>0.174</b>	SAN-FACE-220817-16
AN000413A01	PMNN4816A	Radio @ front 2.5cm	None	1880.0000	0.217	0.01	0.149	0.173	SAN-FACE-220817-17
AN000413A01	PMNN4816A	Radio @ front 2.5cm	None	1900.0000	0.216	0.06	0.137	0.160	AF-FACE-220817-08#

## 5.0 Variability Assessment

Per the guidelines in KDB 865664 SAR variability assessment is not required because SAR results are below 0.8 W/kg.