Exhibit: RF Exposure – FCC/ISED

FCC/ISED RF exposure evaluation of the
System in accordance with FCC 1.1310 & RSS-102

COMMERCIAL-IN-CONFIDENCE

FCC: Q8SSAFFIREEVOM & 2AU49-DA16200MC
IC: 4652A-SAFFIREEVOM & 25650-DA16200MC

Report File #: 7169011562B-000

RF Exposure – ISED

The EUT contains an several types of transmitters as depicted in the table below.

Radiofrequency Radiation Exposure Evaluation: Mobile Devices

The power density can be calculate using the formula:

$$P_d = (P_{out}*G) / (4*pi*R^2)$$

where,
f = frequency in MHz
P_d = Power density in mW/cm^2
P_{out} = Conducted output power to antenna in mW
G = Numeric Antenna Gain
Pi = 3.1416
R = uncontrolled distance of 20 cm as per normal operation.

MPE Calculation (RFID):

Prediction of MPE limit at a given distance

Equation from page 18 of OET Bulletin 65, Edition 97-01

$$S = \frac{PG}{4\pi R^2}$$

where: S = power density
P = power input to the antenna
G = power gain of the antenna in the direction of interest relative to an isotropic radiator
R = distance to the center of radiation of the antenna

Maximum peak output power at antenna input terminal:	-37.10	(dBm)
Maximum peak output power at antenna input terminal:	0.000194984	(mW)
Number of Ports	1	
Antenna gain(typical):	0	
Antenna gain(total):	0	(dBi)
Maximum antenna gain:	1	(numeric)
Time Averaging:	100	(%)
Prediction distance:	20	(cm)
Prediction frequency:	13.56	(MHz)
FCC MPE limit for uncontrolled exposure at prediction frequency:	0.978933354	(mW/cm^2)
Power density at prediction frequency:	0.000000	(mW/cm^2)
Margin of compliance:	-74.0	(dB)
This equates to	3.87909E-07	W/m^2
RSS-102 Issue 5 limit	0.155568538	W/m^2
FCC Percentage of limit	0.00000%	
RSS-102 Percentage of limit	0.00025%	

MPE Calculation (BlueTooth™):

Prediction of MPE limit at a given distance

Equation from page 18 of OET Bulletin 65, Edition 97-01

$$S = \frac{PG}{4\pi R^2}$$

where: S = power density
P = power input to the antenna
G = power gain of the antenna in the direction of interest relative to an isotropic radiator
R = distance to the center of radiation of the antenna

Maximum peak output power at antenna input terminal:	-13.30	(dBm)
Maximum peak output power at antenna input terminal:	0.046773514	(mW)
Number of Ports	1	
Antenna gain(typical):	0	
Antenna gain(total):	0	(dBi)
Maximum antenna gain:	1	(numeric)
Time Averaging:	100	(%)
Prediction distance:	20	(cm)
Prediction frequency:	2400	(MHz)
FCC MPE limit for uncontrolled exposure at prediction frequency:	1	(mW/cm^2)
Power density at prediction frequency:	0.000009	(mW/cm^2)
Margin of compliance:	-50.3	(dB)
This equates to	9.30529E-05	W/m^2
RSS-102 Issue 5 limit	5.347759415	W/m^2
FCC Percentage of limit	0.00093%	
RSS-102 Percentage of limit	0.00174%	

MPE Calculation (WiFi™):

Prediction of MPE limit at a given distance

Equation from page 18 of OET Bulletin 65, Edition 97-01

$$S = \frac{PG}{4\pi R^2}$$

where: S = power density
P = power input to the antenna
G = power gain of the antenna in the direction of interest relative to an isotropic radiator
R = distance to the center of radiation of the antenna

Maximum peak output power at antenna input terminal:	20.09	(dBm)
Maximum peak output power at antenna input terminal:	102.0939484	(mW)
Number of Ports	1	
Antenna gain(typical):	0	
Antenna gain(total):	2	(dBi)
Maximum antenna gain:	1.584893192	(numeric)
Time Averaging:	100	(%)
Prediction distance:	20	(cm)
Prediction frequency:	2450	(MHz)
FCC MPE limit for uncontrolled exposure at prediction frequency:	1	(mW/cm^2)
Power density at prediction frequency:	0.032191	(mW/cm^2)
Margin of compliance:	-14.9	(dB)
This equates to	0.321906795	W/m^2
RSS-102 Issue 5 limit	5.423649309	W/m^2
FCC Percentage of limit	3.21907%	
RSS-102 Percentage of limit	5.93524%	

Combined, the total of all three RF protocols operating simultaneously is less than 10% of the applicable limit. The device passes the requirement(s) at all applicable frequencies combined.