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

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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.

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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:	-40.60	(dBm)
Maximum peak output power at antenna input terminal:	8.70964E-05	(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)
FCC Margin of compliance:	-77.5	(dB)
This equates to	1.73273E-07	W/m^2
RSS-102 Issue 6 limit	1	W (eirp)
RSS-102 Margin of compliance	-70.6	(dB)

Note: This device does not exceed the 60 / f (GHz) in mW limit as per FCC KDB 447498 2(a)(i), so it is allowable to be used in portable exposure conditions with no restrictions on host platforms

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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:	-15.00	(dBm)
Maximum peak output power at antenna input terminal:	0.031622777	(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:	0.000006	(mW/cm^2)
Margin of compliance:	-52.0	(dB)
This equates to	6.29115E-05	W/m^2
RSS-102 Issue 6 limit	5.347759415	W/m^2
FCC Percentage of limit	0.00063%	
RSS-102 Percentage of limit	0.00118%	

Note: This device does not exceed the 60 / f (GHz) in mW limit as per FCC KDB 447498 2(a)(i), so it is allowable to be used in portable exposure conditions with no restrictions on host platforms

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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):	0	(dBi)
Maximum antenna gain:	1	(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:	0.020311	(mW/cm^2)
Margin of compliance:	-16.9	(dB)
This equates to	0.203109457	W/m^2
RSS-102 Issue 6 limit	5.423649309	W/m^2
FCC Percentage of limit	2.03109%	
RSS-102 Percentage of limit	3.74489%	

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.

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