Exhibit: RF Exposure – FCC / ISED

FCC ID: 2AR26-SWIDGETW100
IC: IC: 24603-SWDTZW10100

RF Exposure – FCC

The device is a mobile device intended to generally be used in such a way that a separation distance of at least 20 centimeters is normally maintained between the transmitter's radiating structure and the body of the user or nearby persons.

General SAR test exclusion guidance:

As per FCC KDB 447498 Section 4.3.1 b), the SAR Test Exclusion Threshold for 100 MHz to 6 GHz at test separation distances > 50 mm is determined by:

1) {[Power allowed at *numeric threshold* for 50 mm)] + [(test separation distance – 50 mm) ($f_{(MHz)}$/150)]} mW, for 100 MHz to 1500 MHz

2) {[Power allowed at *numeric threshold* for 50 mm)] + [(test separation distance – 50 mm)*10]} mW, for > 1500 MHz and ≤ 6 GHz

Where:
Power allowed at *numeric threshold* for 50 mm (for 1-g SAR) is given by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] [$\sqrt{f_{(GHz)}}$] ≤ 3.0

(max power of channel, including tune-up tolerance, mW) ≤ [3.0 / $\sqrt{f_{(GHz)}}$] * [min. test separation distance, mm]

$f_{(GHz)}$ is the RF channel transmit frequency in GHz

MPE Calculation:908 – 916 MHz DTS transmitter

The maximum field strength received was 89.3 dBuV/m at 3 meters. As per FCC guidance a factor of 95.2 is used to convert to EIRP, and presumes a gain of 0 dBi as a field strength measurement was used to convert to EIRP.

The DTS transmitter has a maximum conducted output power of -5.9 dBm or 0.257 mW and an antenna gain of 0.0 dBi or 1.0 numerically.
For a distance of 20cm, the power density is:

$$P_d = (0.257\ mW * 1.26) / (4 * 3.1416 * (20cm)^2)$$
$$P_d = 25.77\ uW/cm^2$$

The device passes the requirement. The calculated power density of 25.77 uW/cm^2 is below the 1.0 mW/cm^2 limit.

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:	-5.90	(dBm)
Maximum peak output power at antenna input terminal:	0.257039578	(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:	908.4	(MHz)
FCC MPE limit for uncontrolled exposure at prediction frequency:	0.6	(mW/cm^2)
Power density at prediction frequency:	0.000051	(mW/cm^2)
Margin of compliance:	-40.7	(dB)
This equates to	0.000511364	W/m^2
RSS-102 Issue 5 limit	2.753100631	W/m^2
FCC Percentage of limit	0.00852%	
RSS-102 Percentage of limit	0.01857%	

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