## FCC RF Exposure

EUT Description:Smart neon strip

Model No.:DGSH-002, DGSH-001, DGSH-003, ZX-10827

FCC ID: 2BDZQ-DGSH-002 Equipment type: Portable devices

According to KDB 447498 D01 General RF Exposure Guidance v06 and part 2.1093, Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numericasimulation, is not required when the corresponding SAR Test Exclusion Thresholocondition(s), listed below, is (are) satisfied.

For 100 MHz to 6 GHz and test separation distances < 50 mm, the 1-g and 10-g SAR testexclusion thresholds are determined by the following:

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distancemm)]  $\cdot$  [vfGHz)] < 3.0 for 1-g SAR, and s 7.5 for 10-g extremity SAR, where f(GHz) is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation. The result is rounded to one decimal place for comparison

EIRP=EMeas+20log(dmeas)-104.7

EIRP is the equivalent isotropically radiated power,

EMeas in dBmis the field strength of the emission at the measurement distance, in dB u V/m

dмeas is the measurement distance, in m

Field	EIRP(dBm)	Max tune-	Frequency(MHz)	Min.	Calc.	limit
strength(dBuV/m)		up(mW)		distance(mm)	thresholds	
92.50	-2.6576	0.5423	2402	5	0.1681	3.0
91.16	-3.9976	0.3983	2440	5	0.1244	3.0
93.76	-1.3976	0.7248	2480	5	0.2283	3.0

Conclusion: No SAR is required