

1.0 APPLICANT:

DATE: 12,16,2011

NAME OF APPLICANT: HONEYWELL INTERNATIONAL INC.

FCC ID: CFS8DLLYNXTOUCH2

2.0 FCC RULES CONCERNING MAXIMUM PERMISSIBLE RF EXPOSURE:

§ CFR 47 1.1310 Radiofrequency radiation exposure limits.

The criteria listed in table 1 shall be used to evaluate the environmental impact of human exposure to radiofrequency (RF) radiation as specified in § 1.1307(b), except in the case of portable devices which shall be evaluated according to the provisions of § 2.1093 of this chapter. Further information on evaluating compliance with these limits can be found in the FCC's OST/OET Bulletin Number 65, "Evaluating Compliance with FCC-Specified Guidelines for Human Exposure to Radiofrequency Radiation."

NOTE TO INTRODUCTORY PARAGRAPH: These limits are generally based on recommended exposure guidelines published by the National Council on Radiation Protection and Measurements (NCRP) in "Biological Effects and Exposure Criteria for Radiofrequency Electromagnetic Fields," NCRP Report No. 86, Sections 17.4.1, 17.4.1.1, 17.4.2 and 17.4.3. Copyright NCRP, 1986, Bethesda, Maryland 20814. In the frequency range from 100 MHz to 1500 MHz, exposure limits for field strength and power density are also generally based on guidelines recommended by the American National Standards Institute (ANSI) in Section 4.1 of "IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz," A

3.0 MPE CALCULATIONS:

FCC GENERAL POPULATION / UNCONTROLLED EXPOSURE LIMITS: for 300 MHz to 1,500 MHz = $F / 1500 \text{ mW/cm}^2$; for 1,500 to 100,000 MHz use 1 mW/cm^2

EQUATIONS:

95.2289

P=20 X LOG E -

THE FRIIS TRANSMISSION

NOTE: THE

EQUATION = EIRP X DUTY CYCLE / (4 X PI X 20 CM²)

CELLULAR DUTY CYCLE USED WAS 25% FOR GSM AND GPRS / EGPRS AND 100% FOR CDMA THIS IS THE WORST CASE FROM THE PTCRB REPORT.

BAND:	CHANNEL:	FREQ:	uV/M @ 3M:	MAXIMUM EIRP (dbm):	MAXIMUM EIRP (mW):	DUTY CYCLE:	FRISS mW/CM ² :	EXP LIMIT mW/CM ² :	% OF LIMIT:	CO-MPE % :
N/A	N/A	344.94	45,133.60	-2.14	0.611	15%	0.0000182	0.229960	0.0079	
BAND:	CHANNEL No:	FREQ(MHz):	TRP dbm:	MAXIMUM EIRP (dbm):	MAXIMUM EIRP (mW):	DUTY CYCLE:	FRISS mW/CM ² :	EXP LIMIT mW/CM ² :	% OF LIMIT:	
GSM	251	848.80	27.17	27.17	521.19	25%	0.025922	0.565870	4.5809	4.5889
GSM	512	1850.20	27.62	27.62	578.10	25%	0.028752	1.000000	2.8752	2.8831
GPRS	251	848.80	26.94	26.94	494.31	25%	0.024585	0.565870	4.3446	4.3526
GPRS	512	1850.20	27.70	27.70	588.84	25%	0.029287	1.000000	2.9287	2.9366
EGPRS	251	848.80	20.93	20.93	123.88	25%	0.006161	0.565870	1.0888	1.0967
EGPRS	512	1850.20	23.93	23.93	247.17	25%	0.012293	1.000000	1.2293	1.2373
WCDMA	9400	1880.00	20.95	20.95	124.45	100%	0.024759	1.000000	2.4759	2.4838
WCDMA	4183	836.60	17.26	17.26	53.21	100%	0.010586	0.557730	1.8980	1.9060

MAXIMUM CO-LOCATION MPE % OF LIMIT IS : 4.5968%

4.0 RESULTS:

TEST RESULT: PASS

In the configuration tested the EUT complied with the standards specified above.