

FCC RF EXPOSURE REPORT

FCC ID: Y7NARRISKYLINK

Project No. : 1711C172
Equipment : SkyLink wireless system
Model : SkyLink
**Applicant : Arnold & Richter Cine Technik GmbH & Co.
Betriebs KG**
Address : Tuerkenstr. 89, Munich, Germany

**According: : FCC Guidelines for Human Exposure IEEE
C95.1 & FCC Part 2.1091**

B T L I N C .

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MPE CALCULATION METHOD:

Calculation Method of RF Safety Distance:

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

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

Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain(dBi)	Note
1	HONGSENSE	HAS-2457TF5	Dipole	N/A	3	N/A
2	N/A	A020106-1	Dipole	N/A	5	For CRMX module
3		104-1001	Dipole	RP-TNC	2.15	For NOVA module

TEST RESULTS

EUT :	SkyLink wireless system	Model Name :	SkyLink
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		

2.4G WIFI

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
3	1.9953	22.85	192.7525	0.077	1	Complies

CRMX module

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5	3.1622	25.03	318.4	0.2	1	Complies

NOVA module

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.15	1.6406	23.53	225.4239	0.074	1	Complies
2.15	1.6406	23.16	207.0141	0.068	1	Complies
2.15	1.6406	20.18	104.2317	0.034	1	Complies

For 2.4G+ CRMX module+ NOVA module simultaneous transmission MPE:

$$0.077/1+0.2/1+0.074/1+0.068/1+0.034/1=0.453$$

Note: the calculated distance is 20 cm.

