

FCC RF EXPOSURE REPORT

FCC ID: QWHDEEPMIND12

Project No. : 1611C014
Equipment : Synthesizers and Samplers
Model : DEEPMIND 12
Applicant : MUSIC Group Manufacturing PH Ltd.
Address : 17A Brunswick Street Hamilton HM 10
Bermuda
According: : FCC Guidelines for Human Exposure IEEE
C95.1

B T L I N C .

No.3, Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, China.
TEL: +86-769-8318-3000 FAX: +86-769-8319-6000

MPE CALCULATION METHOD:

Calculation Method of RF Safety Distance:

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

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

Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain(dBi)
1	molex	0479502001	Internal	N/A	3.07

TEST RESULTS

EUT :	Synthesizers and Samplers	Model Name :	DEEPMIND 12
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX B MODE /CH01, CH06, CH11		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm2)	Limit of Power Density (S) (mW/cm2)	Test Result
3.07	2.0277	15.35	34.2768	0.22135	1	Complies
3.07	2.0277	15.93	39.1742	0.25297	1	Complies
3.07	2.0277	14.66	29.2415	0.18883	1	Complies

EUT :	Synthesizers and Samplers	Model Name :	DEEPMIND 12
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX G MODE /CH01, CH06, CH11		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm2)	Limit of Power Density (S) (mW/cm2)	Test Result
3.07	2.0277	19.27	84.5279	0.54585	1	Complies
3.07	2.0277	19.33	85.7038	0.55344	1	Complies
3.07	2.0277	18.14	65.1628	0.42079	1	Complies

EUT :	Synthesizers and Samplers	Model Name :	DEEPMIND 12
Temperature:	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX N-20M MODE_ Total /CH01, CH06, CH11		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm2)	Limit of Power Density (S) (mW/cm2)	Test Result
3.07	2.0277	19.17	82.6038	0.53342	1	Complies
3.07	2.0277	18.83	76.3836	0.49325	1	Complies
3.07	2.0277	18.12	64.8634	0.41886	1	Complies

Note: the calculated distance is 50mm.