RF Exposure / MPE Calculation
No. : 28GE0170-HO-01-E

Applicant	:	**Sony Corporation**
Type of Equipment	:	**UHF Synthesized Transmitter**
Model No.	:	**UTX-B2(42)**
FCC ID	:	**AK8UTXB2A**

Sony Corporation declares that Model : UTX-B2(42)
complies with FCC radiation exposure requirement specified in the FCC Rules 2.1093(for portable)/2.1091 (for mobile).

The "UTX-B2(42)" has 35.4 mW of effective radiated power and 57.94 mW of EIRP.
This kind of equipment is below 60/frequency[GHz] mW(TCB Exclusion List)
so that SAR testing is excluded. The Following calculation is the reference data for 20cm distance.

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain
antenna provided with the "UTX-B2(42)" as calculated
from FCC OET Bulletin 65 Appendix A, Table (B) Limits for General Population / Uncontrolled
Exposure. This calculation is based on the highest EIRP possible from the system,
considering maximum power and antenna gain, and considering a 0.43mW/cm^2 uncontrolled
exposure limit. The Friis formula used was:

$$S = (P * G) / (4 * \pi * r^2)$$

Where

P =	35.40	mW (Effective radiated power)
G =	1.64	Numerical Antenna gain; equal 2.14 dBi
r =	20.0	cm

For: UTX-B2(42)   S =   0.01153   mW/cm^2

Approved by :

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