MPE ESTIMATION
FCC ID: **2AI2O-OC30**

1,**Limit for General Population/ Uncontrolled Exposures**

Frequency	**Power density (mW/ cm^2)**	**Averaging time(minutes)**
300MHz----1.5GHz	F/1500	30
1.5GHz---100GHz	1.0	30

Note: F= Frequency in MHz

2, Estimation Result

Mode	Max PK Output power(dBm)	Tune Up Power(dBm)	Max Tune Up power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm^2)
GSM 850	32.31	32±1(33)	1995.26	2	1.5849	0.27962
GPRS 850	32.83	32±1(33)	1995.26	2	1.5849	0.27962
GSM 1900	28.58	28±1(29)	794.33	2	1.5849	0.11132
GPRS 1900	28.89	28±1(29)	794.33	2	1.5849	0.11132
Note: $Pd = \frac{Pout * G}{4\pi r^2}$;						
Note: The estimation distance is 30cm						
Note: PK Output power= conducted power. Conducted power see the test report UNI1700518037-E, antenna gain=2dBi.						

Mode	CH	PK Output power(dBm)	Output power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm²)
GSM 850	128	32.31	1702.16	2	1.5849	0.23854
	190	32.25	1678.80	2	1.5849	0.23527
	251	32.28	1690.44	2	1.5849	0.2369
GPRS 850	128	32.49	1774.19	2	1.5849	0.24864
	190	32.32	1706.08	2	1.5849	0.23909
	251	32.83	1918.67	2	1.5849	0.26888
GSM 1900	512	28.27	671.43	2	1.5849	0.09409
	661	28.45	699.84	2	1.5849	0.09808
	810	28.58	721.11	2	1.5849	0.10106
GPRS 1900	512	28.39	690.24	2	1.5849	0.09673
	661	28.56	717.79	2	1.5849	0.10059
	810	28.89	774.46	2	1.5849	0.10853
Note: $Pd = \frac{Pout * G}{4\pi r^2}$;						
Note: The estimation distance is 30cm						
Note: PK Output power= conducted power. Conducted power see the test report UNI1700518037-E, antenna gain=2dBi.						

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