

FCC RF Exposure

EUT Description: Wireless Transceiver Module

Model No.: WS8856

FCC ID: 2BB8U-WS8856

1. Limits

In accordance with KDB447498D01V06 for Simultaneous transmission MPE test exclusion applies when the sum of the MPE ratios for all simultaneous transmitting antennas incorporated in a host device, based on the calculated/estimated, numerically modeled or measured field strengths or power density, is ≤ 1.0 .

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

2. Test Result of RF Exposure Evaluation

915MHz:

EIRP(dBm)=88.79(dBuV/m)-95.2=-6.41(dBm)

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)
915	-6.41	-6±1(-5)	0.32	0	1	0.00006
$Pd = \frac{P_{out} * G}{4\pi r^2} ;$						
Note:						
Note: The estimation distance is 20cm						
Note: PK Output power= conducted power.						
Conducted power see the test report HK2307112966-E.						

When the minimum test separation distance is >20 cm, a distance of 20 cm is applied to determine RF Exposure test exclusion. The test exclusion threshold is 0.00006mW/cm² which is < 1.0mW/cm², RF Exposure testing is not required.