Test Result of RF Exposure Evaluation

According to the KDB-447498 D01 V06, FCC 47CFR § 2.1091 the following RF exposure evaluation shall to demonstrate RF exposure compliance.

Friis transmission formula: Pd = (Pout*G)/(4*pi*r2)

Where

Pd = power density in mW/cm2, Pout = output power to antenna in mW;

G = gain of antenna in linear scale, Pi = 3.1416;

R = distance between observation point and center of the radiator in cm。

ANT A

Frequency (MHz)	Target power W/ tolerance (dBm)	Max tune up power tolerance (dBm)	Output power to antenna (mW)	Antenna Gain(dBi)	Power Density at R=20cm (mW/cm2)	Limit (mW/cm2)	Result
5736	-6.8 ±1.0	-5.8	0.263	2.408	0.00013	1.0	Pass
5762	-6.8 ±1.0	-5.8	0.263	2.408	0.00013	1.0	Pass
5814	-6.8 ±1.0	-5.8	0.263	2.408	0.00013	1.0	Pass

ANT B

Frequency (MHz)	Target power W/ tolerance (dBm)	Max tune up power tolerance (dBm)	Output power to antenna (mW)	Antenna Gain(dBi)	Power Density at R=20cm (mW/cm2)	Limit (mW/cm2)	Result
5736	-6.7 ±1.0	-5.7	0.269	2.408	0.00013	1.0	Pass
5762	-6.7 ±1.0	-5.7	0.269	2.408	0.00013	1.0	Pass
5814	-6.7 ±1.0	-5.7	0.269	2.408	0.00013	1.0	Pass

Simultaneous transmission MPE According to KDB447498 for Transmitters used in mobile exposure conditions for simultaneous transmission operations; ∑ of MPE ratios ≤ 1.0

ANT A+ANT B

Frequency (MHz)	Power Density at R=20cm (mW/cm2) ANT A	Power Density at R=20cm (mW/cm2) ANT B	Power Density at R=20cm (mW/cm2) ANT A+ANT B	Limit (mW/cm2)	Result
5736	0.00013	0.00013	0.00026	1.0	Pass
5762	0.00013	0.00013	0.00026	1.0	Pass
5814	0.00013	0.00013	0.00026	1.0	Pass

BT4.0

Frequency (MHz)	Target power W/ tolerance (dBm)	Max tune up power tolerance (dBm)	Output power to antenna (mW)	Antenna Gain(dBi)	Power Density at R=20cm (mW/cm2)	Limit (mW/cm2)	Result
2402	1.8 ±1.0	2.8	1.905	1.0	0.000379	1.0	Pass
2440	1.8 ±1.0	2.8	1.905	1.0	0.00013	1.0	Pass
2480	1.8 ±1.0	2.8	1.905	1.0	0.00013	1.0	Pass

Conclusion:

So no SAR is required.