FCC RF Exposure

Product Name: Tablet PC
FCCID: 2BB67-TABS9
Model(s): Tab S9, Tab A9, Tab S9+ ,Tab A10, Tab S10, Tab S10+,Tab A11, Tab S11, Tab S11+,Tab A12 ,Tab S12, Tab S12+,Tab A13, Tab S13, Tab S13+,Tab A15, Tab S15, Tab S15+,Tab A16, Tab S16, Tab S16+,Tab A17, Tab S17, Tab S17+,Tab A18, Tab S18, Tab S18+,Tab A19, Tab S19, Tab S19+,Tab A20, Tab S20, Tab S20+

1. Limits

According to KDB 447498 D01 General RF Exposure Guidance v06 The 1‐g and 10‐g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤50 mm are determined by: [(max power of channel, including tune‐up tolerance, mW)/(min. test separation distance, mm)] •[√ f(GHz)]≤3.0 for 1‐g SAR and ≤ 7.5 for 10‐g extremity SAR,

Where:
Result=P/D* √ F
F= the RF channel transmit frequency in GHz
P=Maximum turn‐up power in mw
D=Min. test separation distance in mm

2. Test Result of RF Exposure Evaluation

Frequency (MHz)	Output power （dBm）	Tune Up Power （dBm）	Max Tune Up power dBm/mW	Min test separation distance mm	Result	Limit (mW/cm^2)	SAR Test Exclusion
2.4G WIFI:2437	7.64	7±1	8/6.31	5	1.97	3.0	Pass
BT: 2440	4.21	4±1	5/3.16	5	0.98	3.0	Pass
5.2G WIFI:5240	6.81	6±1	7/5.01	5	2.29	3.0	Pass
5.8G WIFI:5825	5.39	5±1	6/3.98	5	1.92	3.0	Pass
Note: PK Output power= conducted power. Conducted power see the test report HK2307122985-1E/2E/3E/4E, antenna gain=BT/2.4g wifi: 0.42dBi 5.2g wifi/5.8g wifi: 0.17dBi BT and wifi do not support simultaneous transmission							

Per KDB 447498 D01, when the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine RF Exposure test exclusion. The test exclusion threshold is 2.29 which is<= 3, RF Exposure testing is not required.

Note: Exclusion Thresholds Results=[(*max. power of channel, including tune-up tolerance, mW*)/(*min. test separation distance, mm*)] ·[$\sqrt{f_{(GHz)}}$]

$f_{(GHz)}$ is the RF channel transmit frequency in GHz

Distance=5mm