

FCC RF Exposure

EUT Description: Amplifier

Model No.: P1, A2 PRO, B5, BOX-04, G2, G3, G5, G6, L1, M1 PRO, M10, M3, M4, MC103, MC403, MC5, NS-01G Pro, NS-03G, NS-10G, NS-15G, NS-20G, P2, Q1, Q100, Q4, ST-01, T3, TA-21, TONE, U2, U3, VU3, X1

FCC ID: 2A49D-P1

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:
$$[(\text{max power of channel, including tune - up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1 - g SAR and } \leq 7.5 \text{ for 10 - g extremity SAR,}$$

Where:

Result=P/D* \sqrt{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
2402	3.94	3±1	4/2.51	5	0.778	3.0	Pass

Note:
PK Output power= conducted power.
Conducted power see the test report **HK2202220601-E**, antenna gain=0dB

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 0.778 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)] $\cdot [\sqrt{f(\text{GHz})}]$

$f(\text{GHz})$ is the RF channel transmit frequency in GHz

Distance=5mm