FCC ID: 2ABYN015

Portable device
According to §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.
According to KDB447498 D01 General RF Exposure Guidance V06
The 1-g SAR 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 where:

- f(GHZ) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

Antenna Type : PCB antenna Antenna Gain: 0 dBi

Group A

Modulation	Channel Freq. (GHz)	Conducted power (dBm)	Conducted power (mW)	Tune-up power (dBm)	Max tune-up power (dBm)	Max tune-up power (mW)	Distance (mm)	Result calculation	1g SAR Exclusion threshold	SAR test exclusion
GFSK	0.5146	4.222	2.644	4±1	5	3.162	<5	0.45368	3.00	YES
	0.5244	4.322	2.705	4±1	5	3.162	<5	0.45800	3.00	YES
	0.5338	3.940	2.477	4±1	5	3.162	<5	0.46210	3.00	YES

Group B

Modulation	Channel Freq. (GHz)	Conducted power (dBm)	Conducted power (mW)	Tune-up power (dBm)	Max tune-up power (dBm)	Max tune-up power (mW)	Distance (mm)	Result calculation	1g SAR Exclusion threshold	SAR test exclusion
GFSK	0.5366	4.137	2.592	4±1	5	3.162	<5	0.46328	3.00	YES
	0.5445	3.041	2.014	4±1	5	3.162	<5	0.46669	3.00	YES
	0.5957	1.485	1.408	2±1	3	1.995	<5	0.30798	3.00	YES

Conclusion:
For the max result : 0.46669≤ 3.0 for 1-g SAR, No SAR is required.

Signature: **Date:** 2021-02-24

Alex

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