

FCC ID: 2AXGO-IJB673B

Portable device

According to §15.247(e)(i) and §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:

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

- $f(\text{GHz})$ 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.

BT Chip: AB5605C

Modulation	Channel Freq. (GHz)	Conduct ed power (dBm)	Conducte d power (mW)	Tune-up power (dBm)	Max tune-up power (dBm)	Max tune-up power (mW)	Distance (mm)	Result calculatio n	SAR Exclusion threshold	SAR test exclusion
GFSK	2.480	-1.06	0.78	-1±1	0.00	1.00	<5	0.31496	3.00	YES
$\pi/4$ DQPSK	2.441	1.20	1.32	1±1	2.00	1.58	<5	0.49524	3.00	YES
8DPSK	2.480	1.50	1.41	1±1	2.00	1.58	<5	0.49918	3.00	YES

BT Chip: AB8916A2

Modulation	Channel Freq. (GHz)	Conduct ed power (dBm)	Conducte d power (mW)	Tune-up power (dBm)	Max tune-up power (dBm)	Max tune-up power (mW)	Distance (mm)	Result calculatio n	SAR Exclusion threshold	SAR test exclusion
GFSK	2.441	3.94	2.48	4±1	5.00	3.16	<5	0.98813	3.00	YES
$\pi/4$ DQPSK	2.441	5.77	3.78	5±1	6.00	3.98	<5	1.24398	3.00	YES
8DPSK	2.441	6.58	4.55	6±1	7.00	5.01	<5	1.56608	3.00	YES

For the Max simultaneous transmission

Evaluation mode	Result calculation	Total Result calculation	SAR Exclusion threshold	Result
BT Chip: AB5605C	0.49918	2.06526	3.0	Pass
BT Chip: AB8916A2	1.56608			

Conclusion:

For the max result :2.06526<3, the SAR testing is not required.