* RF Exposure

1. Regulation

According to §15.247(i), 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 levels in excess of the Commission's guidelines. See § 1.1307(b)(1) of this Chapter.

KDB447498 was used as the guidance.

According to §1.1310 and §2.1093 RF exposure is calculated.

1.1 Result

Mode	Test frequency (㎓)	Conducted output power (㏈m)	Conducted output power (㎽)	Min. test separation distance (㎜)	SAR test exclusion thresholds ≤ 3 for 1-g SAR
8DPSK_Lowest	2 480	0.00	1.00	5.00	0.31

1. SAR test exclusion thresholds
   = [(max. power of channel, including tune-up tolerance, ㎽)/(min. test separation distance, mm)] · [√f(㎓)]
   = [(1.00)/(5)] · [√2.480] = 0.31

Mode	Target power [㏈m]	Tolerance [dB]	Max tuneup power [㏈m]	Average Power [㏈m]
GFSK_Lowest	-2.00	±2.00	0	-1.31
GFSK_Middle	-2.00	±2.00	0	-0.49
GFSK_Highest	-2.00	±2.00	0	-0.41
π/4DQPSK_Lowest	-5.00	±2.00	-3.00	-4.55
π/4DQPSK_Middle	-5.00	±2.00	-3.00	-3.65
π/4DQPSK_Highest	-5.00	±2.00	-3.00	-3.57
8DPSK_Lowest	-5.00	±2.00	-3.00	-4.57
8DPSK_Middle	-5.00	±2.00	-3.00	-3.67
8DPSK_Highest	-5.00	±2.00	-3.00	-3.54

1.2 RF Exposure Compliance Issue

Therefore, EUT is not required the SAR Evaluation.