

18 TEST: RF Exposure Requirements			PASS
Parameters required prior to the test	Laboratory Ambient Temperature (°C)	15 to 35 °C	
	Relative Humidity (%)	30 to 60 %	
Parameters recorded during the test	Laboratory Ambient Temperature (°C)	---	
	Relative Humidity (%)	---	
	Air pressure (hPa)	1020	
—	Frequency	Application Point	
Fully configured sample tested at the power line frequency	3V Internal batteries operated	Enclosure	
Equipment mode:	Operation mode	#1	
FCC Standard	§ 1.1310 (1) (B)		
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 § 1.1310, table (1) (b)			
EUT classification (fixed, mobile or portable devices)	Portable according to § 2.1093(b) of this Chapter		
Limit	According to § 2.1093 of this Chapter, by means of the following guidelines: OET Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies (447498 D01 General RF Exposure Guidance v06)		

SAR Test Exclusion Thresholds for 100 MHz – 6 GHz and ≤ 50 mm						
447498 D01 General RF Exposure Guidance v06 – Appendix A						
MHz	5	10	15	20	25	mm
150	39	77	116	155	194	SAR Test Exclusion Threshold (mW)
300	27	55	82	110	137	
450	22	45	67	89	112	
835	16	33	49	66	82	
900	16	32	47	63	79	
1500	12	24	37	49	61	
1900	11	22	33	44	54	
2450	10	19	29	38	48	
3600	8	16	24	32	40	
5200	7	13	20	26	33	
5400	6	13	19	26	32	
5800	6	12	19	25	31	

The *test separation distances = 5 mm* is applied to determine SAR test exclusion.

SAR Test Exclusion Thresholds for 100 MHz – 6 GHz and ≤ 50 mm

447498 D01 General RF Exposure Guidance v06 – Appendix A

Channel No.	Frequency (MHz)	Radiated Output Power	E.I.R.P.	Distance	$\frac{\text{max. power (mW)}}{\text{min. distance (mm)}} \times \sqrt{f_{(\text{GHz})}}$	Limits
		(dBm)				
Low	2402	-5.83	0.261	5	0.0809	≤ 3.0 for 1-g SAR or ≤ 7.5 for 10-g extremity SAR

Channel No.	Frequency (MHz)	Radiated Output Power	E.I.R.P.	Distance	$\frac{\text{max. power (mW)}}{\text{min. distance (mm)}} \times \sqrt{f_{(\text{GHz})}}$	Limits
		(dBm)				
Middle	2440	-6.38	0.230	5	0.0718	≤ 3.0 for 1-g SAR or ≤ 7.5 for 10-g extremity SAR

Channel No.	Frequency (MHz)	Radiated Output Power	E.I.R.P.	Distance	$\frac{\text{max. power (mW)}}{\text{min. distance (mm)}} \times \sqrt{f_{(\text{GHz})}}$	Limits
		(dBm)				
High	2480	-6.27	0.236	5	0.0743	≤ 3.0 for 1-g SAR or ≤ 7.5 for 10-g extremity SAR

TEST RESULT

This value is less than the low threshold limit. No SAR test is required.