

APPENDIX I: POWER REDUCTION VERIFICATION

FCC ID: BCG-A3335	RF EXPOSURE REPORT	Approved by: Technical Manager
DUT Type: Watch		APPENDIX I Page 1 of 3

I.1 Main Antenna Power Verification Summary

This device supports a different Exposure Condition Index (ECI) to configure different time-averaged power levels based on certain exposure conditions. When the speaker is active, ECI =1 represents the case where the device will be near the mouth of the user (in-front-of the face). ECI=0 represents the case when the speaker is inactive, and the device operates in close proximity to the user's body. Near the mouth mode operation was verified by turning the speaker on for a cellular band.

Table I-1

Mode/Band	Antenna	Exposure Condition Index (ECI)	
		Maximum	Test Case 1
LTE Band 7	FCM	0	1
NR Band n7	FCM	0	1

Test Case 0: Device Speaker Off

Test Case 1: Device Speaker On

I.2 WLAN Power Reduction Verification Summary

This device supports a power reduction mechanism that reduces the WIFI duty cycle to a maximum of 30% when the cellular radio is turned on. The duty cycle reduction was verified by recording duty cycle with cellular radio on and off for both 2.4 GHz and 5 GHz WIFI.

Table I-2

Mode/Band	Maximum Scenario Maximum Duty Cycle (%)	Reduced Scenario Maximum Duty Cycle (%)	Duty Cycle [%]		
			Maximum	Test Case 1	Verdict
2.4 GHz WLAN	100.0%	30.0%	99.7%	29.1%	PASS
5 GHz WLAN	100.0%	30.0%	93.6%	29.8%	PASS

Test Case 0: Cellular Antenna Off

Test Case 1: Cellular Antenna On

FCC ID: BCG-A3335	RF EXPOSURE REPORT	Approved by: Technical Manager
DUT Type: Watch		APPENDIX I Page 2 of 3

I.3 Bluetooth Power Reduction Verification Summary

This device utilizes a power reduction mechanism for Bluetooth operations. When Bluetooth operates simultaneously with the Cellular antenna, the output power is permanently reduced.

Table I-3

Mode/Band	Maximum Scenario Maximum Allowed Target Power [dBm]	Reduced Scenario Maximum Allowed Target Power [dBm]	Conducted Power [dBm]	
			Maximum	Test Case 1
2.4 Bluetooth	16.5 (± 1)	12 (± 1)	16.91	12.31

Test Case 0: Cellular Antenna Off

Test Case 1: Cellular Antenna On

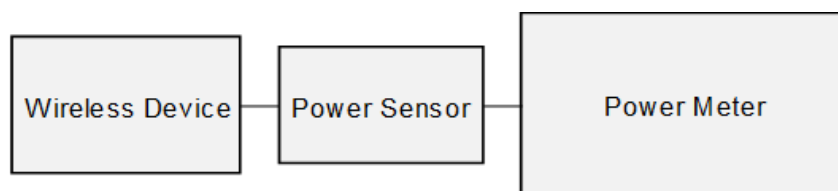


Figure I-1
Power Measurement Set-Up

FCC ID: BCG-A3335	RF EXPOSURE REPORT	Approved by: Technical Manager
DUT Type: Watch		APPENDIX I Page 3 of 3