

APPENDIX F: POWER REDUCTION VERIFICATION

Per the May 2017 TCBC Workshop Notes, demonstration of proper functioning of the power reduction mechanisms is required to support the corresponding SAR configurations. The verification process includes evaluation of output power levels for individual or multiple triggering mechanisms.

F.1 Power Verification Procedure

The power verification was performed according to the following procedure:

1. A base station simulator was used to establish a conducted RF connection and the output power was monitored. The power measurements were confirmed to be within expected tolerances for all states before and after a power reduction mechanism was triggered.
2. Step 1 was repeated for all relevant modes and frequency bands for the mechanism being investigated.
3. Steps 1 and 2 were repeated for all individual power reduction mechanisms and combinations thereof. For the combination cases, one mechanism was switched to a 'triggered' state at a time; powers were confirmed to be within tolerances after each additional mechanism was activated.

F.2 Bluetooth Verification Summary

Table F-1
Power Measurement Verification Bluetooth

Mode/Band	Conducted Power (dBm)	
	Wlan Inactive (Max)	Wlan Active (Reduced)
Bluetooth Chain 0	18.17	15.86
Bluetooth LE Chain 0	17.25	15.82
Bluetooth Chain 1	17.37	14.66
Bluetooth LE Chain 1	17.01	15.50

FCC ID: C3K00002101	RF EXPOSURE PART 1 TEST REPORT	Approved by: Technical Manager
DUT Type: Wireless Module	This report is Blockchain Verified. To verify the report authenticity, please visit HTTPS://WWW.BLOCKCHAIN-VERIFIED.COM or by clicking on the Blockchain logo 	APPENDIX F: Page 1 of 1