FCC ID: BCG-E3306A

IC Certification ID: 579C-E3306A Model Number: A2161,A2219,A2220

Date: 8/20/2019

POWER REDUCTION VERIFICATION

This device supports manufacturer's proprietary power reduction mechanism called, 'Detect mode' for the Main Cellular Antenna. Details of this mechanism can be found in the Operational Description.

The verification plan consists of two parts.

- Verification of the detect mechanism
- · Verification of the power reduction levels

The verification plan for the overall power setting is proposed to follow the Table 1 below.

A. Verification of the detect mechanism

Body detect verification will be done with following test cases.

- In-hand
- On-lap with little or no voluntary movement
- On a stationary object

B. Verification of power reduction levels

Table 1 lists the test plan. Since the reduction mechanism is antenna agnostic all tests will be conducted by locking transmission to one antenna and then verifying power.

Table 1

Cellular ²	Test Cases	Head Cell Table ¹	Body Cell Table ¹		
	GSM 850 (2Slots)				
	GSM 1900 (2Slots)	30.75	26.40		
	CDMA BC10				
	CDMA BC0				
	CDMA BC1	25.70	20.60		
	WCDMA B5				
	WCDMA B4	25.70	17.00		
	WCDMA B2	25.70	20.70		
	LTE B12				
	LTE B13				

FCC ID: BCG-E3306A

IC Certification ID: 579C-E3306A Model Number: A2161,A2219,A2220

Date: 8/20/2019

	LTE B14					
	LTE B71					
	LTE B5					
	LTE B26					
	LTE B25		25.70	20.70		
	LTE B30		25.70	19.60		
	LTE B7	2	25.70	19.60		
	LTE B41		25.70	22.70		
	LTE B48					
	Test Cases	Cell On Head Wi-Fi Table	Cell Off Head Wi-Fi Table	Cell On Body Wi-Fi Table	Cell Off Body Wi-Fi Table	
Wi-Fi	2.4 GHz 11n HT20	E: 12.5	E: 16.75	E: 14.5	E: 17.75	
1x mode,	Ch6 SISO	M: 12.2 M:16.5		M:14.2	M:17.5	
rate, channel	5.0 GHz 802.11n HT20	E: 17.0	E: 17.5	E: 11.25	E: 15.5	
	Ch40 SISO Ant6	M:16.6	M:17.20	M:11.20	M:15.40	

BT EDR, Hopping	Test Cases	Cell On	Cell On	Cell Off	Cell Off	Cell On	Cell On	Cell Off	Cell Off
		5GHz On	5GHz Off	5GHz On	5GHz Off	5GHz On	5GHz Off	5GHz On	5GHz Off
		Head	Head	Head	Head	Body	Body	Body	Body
		Plow	PHigh	PHigh	PStandalo	Plow	PHigh	PHigh	PStandalon
		mode A	mode A	mode A	ne	mode B	mode B	mode B	e
		BT Table	BT Table	BT Table	BT Table	BT Table	BT Table	BT Table	BT Table
		P_1	P_3	P_5	P ₇	P_2	P_4	P ₆	P ₈
		E: 7.0	E: 11.0	E: 11.0	E: 14.5	E: 8.0	E: 12.0	E: 12.0	E: 14.5
	Ch 39								
		M: 6.9	M: 10.9	M: 10.8	M: 14.2	M: 8.7	M: 11.8	M: 11.7	M: 14.3

Notes:

- 1. Head test cases will be done with the device resting on table and body test cases will be done with the device in hand.
- 2. When there is no delta between the head cell table and body cell table within a test case, we will exclude that test case
- 3. CDMA BC10 and LTE Band 26/48 are not supported in Canada.