

TEST REPORT  
No.: 18-1-0086501T05a

According to:  
**FCC Regulations**  
Part 1.1310  
Part 2.1091







**IC-Regulations**  
RSS-102, Issue 5

for

Robert Bosch Car Multimedia GmbH

AIVIP42M0

FCC-ID: YBN-AIVIP42M0  
IC: 9595A-AIVIP42M0

Laboratory Accreditation and Listings			
 <p>Deutsche Akkreditierungsstelle D-PL-12047-01-01</p>	 <p>FEDERAL COMMUNICATIONS COMMISSION USA MRA US-EU 0003</p>	 <p>Industry Canada Reg. No.: 3462D-2 Reg. No.: 3462D-3</p>	 <p>Voluntary Controls for Electromagnetic Emissions Reg. No.: R-2666 C-2914, T-1967, G-301</p>
 <p>WiFi ALLIANCE AUTHORIZED RF LABORATORY</p>	 <p>ctia Authorized Test Lab Lab Code: 20011130-00</p>		
accredited according to DIN EN ISO/IEC 17025			
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## 1. Summary of test results

The test results apply exclusively to the test samples as presented in this Report. The CETECOM GmbH does not assume responsibility for any conclusions and generalizations taken in conjunction with other specimens or samples of the type of the item presented to tests.

The presented Equipment Under Test (in this report, hereinafter referred as EUT) integrates a BT BDR/EDR 2.4 GHz RF Transceiver (Hopping Mode), WLAN 2.4 GHz RF Transceiver and WLAN 5GHz RF Transceiver. Other implemented wireless technologies were not considered within this test report.

Following tests have been performed to show compliance with applicable FCC Part 2.1091 and FCC Part 1.1310 of the FCC CFR 47 Rules.

### 1.1. Summary of tests results

RF-Exposure Evaluation (separation distance user to RF-radiating element greater 20cm)								
Test cases	Port	References & Limits				EUT set-up	EUT op. mode	Result
		FCC Standard	Test Limit	RSS Standard	Test Limit			
Radio frequency radiation exposure Requirements	Cabinet + Inter-Connecting Cables (conducted)	§2.1091 §2.1093	RF-Field Strength Limits: FCC: "general population/ uncontrolled" environment	RSS-102, Issue 5	Chapter 4 Table4	1,2	1,2,3	Pass

**Remark:**

- 1.) See separate test reports & corresponding annexes for following installed technologies  
 FCC WLAN 2.4GHz: BTL-FCCP-2-1808C227\_2.4G\_ AIVIP42M0 MDG1810008  
 FCC BT BDR/EDR: BTL-FCCP-1-1808C227\_BT\_ AIVIP42M0 MDG1810008  
 FCC WLAN 5GHz: BTL-FCCP-3-1808C227\_5G\_ AIVIP42M0 MDG1810008  
 ISED WLAN 2.4GHz: BTL-ISED-2-1808C227\_2.4G\_ AIVIP42M0 MDG1810008  
 ISED BT BDR/EDR: BTL-ISED-1-1808C227\_BT\_ AIVIP42M0 MDG1810008  
 ISED WLAN 5GHz: BTL-ISED-3-1808C227\_5G\_ AIVIP42M0 MDG1810008

- 2.) Calculations based on Tune-Up Info delivered by applicant

.....  
 Dipl.-Ing. Niels Jeß  
 Responsible for test section

.....  
 Dipl.-Ing. Ninovic Perez  
 Responsible for test report

## 2. Administrative Data

### 2.1. Identification of the testing laboratory

Company name:	CETECOM GmbH
Address:	Im Teelbruch 116 45219 Essen - Kettwig Germany
Responsible for testing laboratory:	Dipl.-Ing. Rachid Acharkaoui
Deputy:	Dipl.-Ing. Niels Jeß

### 2.2. Test location

#### 2.2.1. Test laboratory "CTC"

Company name:	see chapter 2.1. Identification of the testing laboratory
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### 2.3. Organizational items

Responsible for test report:	Dipl.-Ing Ninovic Perez
Responsible for project:	Dipl.-Ing. Ninovic Perez
Receipt of EUT:	2018-08-29
Date(s) of test:	2018-09-03 – 2018-09-12
Date of report:	2018-10-12
-----	
Version of template:	13.02

### 2.4. Applicant's details

Applicant's name:	Robert Bosch Car Multimedia GmbH
Address:	Robert-Bosch-Straße 200 31137 Hildesheim  Germany
Contact person:	Mr. Salvatore Miraglia

### 2.5. Manufacturer's details

Manufacturer's name:	please see applicant's details
Address:	please see applicant's details

### 1.2 Summary of product description

FCC ID:	YBN-AIVIP42M0		
ISED:	9595A-AIVIP42M0		
Product name	AIVIP42M0		
Exposure category	<input checked="" type="checkbox"/> General population/uncontrolled environment <input type="checkbox"/> Occupational exposure/controlled environment		
Output power	<input checked="" type="checkbox"/> Conducted <input type="checkbox"/> ERP <input type="checkbox"/> EIRP <input type="checkbox"/> Peak <input checked="" type="checkbox"/> Source-based time-averaging		
Antenna gain	details refer Chapter 1.5		
Technology	<input type="checkbox"/> MIMO	<input type="checkbox"/> 2T2R	<input type="checkbox"/> 3T3R
	<input checked="" type="checkbox"/> non-MIMO	<input type="checkbox"/> 4T4R	<input checked="" type="checkbox"/> 1T1R
		<input type="checkbox"/> 1T2R	<input type="checkbox"/> 2T1R
Evaluation type	<input checked="" type="checkbox"/> Standalone <input type="checkbox"/> Simultaneous transmission		
Evaluation distance	<input checked="" type="checkbox"/> 20 cm		
	<input type="checkbox"/> XXX cm	declares by manufacturer	
EUT type	<input checked="" type="checkbox"/> Production Unit <input type="checkbox"/> Engineering Unit		
Device type	<input checked="" type="checkbox"/> Mobile device <input type="checkbox"/> Fixed device		
Refer rules	<input checked="" type="checkbox"/> CFR 47 FCC Part 2.1091 <input checked="" type="checkbox"/> CFR 47 FCC Part 1.1310 <input checked="" type="checkbox"/> KDB 447497 D01v06 October 23, 2015 <input checked="" type="checkbox"/> KDB 865664 D01v01r02 October 23, 2015		

### 1.3 Refer Rules

ANSI C95.1-1999	IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz.
KDB 447498 D01 v06 October 23, 2015	Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies.
KDB 865664 D01v01r02 October 23, 2015	RF Exposure Compliance Reporting and Documentation Considerations.
CFR 47 FCC Part 2.1091	Radiofrequency radiation exposure evaluation: mobile devices.
CFR 47 FCC Part 1.1310	Radiofrequency radiation exposure limits.

### 1.4 EUT Technologies

Wireless Technologies	Frequency bands	Operation mode		Duty cycle	
<input type="checkbox"/> GSM	<input type="checkbox"/> 850 <input type="checkbox"/> 1900 <input type="checkbox"/> Support DTM (Dual Transfer Mode)	Voice (GMSK)	1 slot	<input type="checkbox"/> 12.5%	
<input type="checkbox"/> GPRS	<input type="checkbox"/> 850 <input type="checkbox"/> 1900	GPRS (GMSK) Multi – Slot Class	<input type="checkbox"/> 8	1 slot (1 Up, 4 Down)	<input type="checkbox"/> 12.5%
			<input type="checkbox"/> 10	2 slots (2 Up, 4 Down)	<input type="checkbox"/> 12.5% <input type="checkbox"/> 25%
			<input type="checkbox"/> 12	4 slots (4 Up, 4 Down)	<input type="checkbox"/> 12.5% <input type="checkbox"/> 25% <input type="checkbox"/> 37.5%

<input type="checkbox"/> EDGE	<input type="checkbox"/> 850 <input type="checkbox"/> 1900	EDGE (8-PSK) Multi – Slot Class	<input type="checkbox"/> 8	1 slot (1 Up, 4 Down)	<input type="checkbox"/> 50%
			<input type="checkbox"/> 10	2 slots (2 Up, 4 Down)	<input type="checkbox"/> 12.5% <input type="checkbox"/> 12.5% <input type="checkbox"/> 25%
			<input type="checkbox"/> 12	4 slots (4 Up, 4 Down)	<input type="checkbox"/> 12.5% <input type="checkbox"/> 25% <input type="checkbox"/> 37.5% <input type="checkbox"/> 50%
<input type="checkbox"/> WCDMA (UMTS)	<input type="checkbox"/> Band II <input type="checkbox"/> Band IV <input type="checkbox"/> Band V	<input type="checkbox"/> UMTS Rel.99 (Voice & Data) <input type="checkbox"/> HSDPA(Rel.5) <input type="checkbox"/> HSUPA(Rel.6) <input type="checkbox"/> DC-HSDPA(Rel.8) <input type="checkbox"/> HSPA+(Rel.7)			<input type="checkbox"/> 100%
<input type="checkbox"/> CDMA (CDMA2000)	<input type="checkbox"/> BC0 <input type="checkbox"/> BC1 <input type="checkbox"/> BC10	<input type="checkbox"/> 1xRTT (Voice & Data) <input type="checkbox"/> 1xEVDO Rel.0 <input type="checkbox"/> 1xEVDO Rel.A <input type="checkbox"/> 1xAdvanced			<input type="checkbox"/> 100%
<input type="checkbox"/> Support SV-DO (1xRTT-1xEVDO)					
<input type="checkbox"/> LTE-FDD	<input type="checkbox"/> Band 2 <input type="checkbox"/> Band 4 <input type="checkbox"/> Band 5 <input type="checkbox"/> Band 7 <input type="checkbox"/> Band 12 <input type="checkbox"/> Band 13 <input type="checkbox"/> Band 17 <input type="checkbox"/> Band 25 <input type="checkbox"/> Band 26 <input type="checkbox"/> Band 27 <input type="checkbox"/> Band 30	<input type="checkbox"/> QPSK <input type="checkbox"/> 16QAM			100%
		<input type="checkbox"/> Rel.11 Carrier Aggregation	<input type="checkbox"/> 2 Uplinks 2 Downlinks <input type="checkbox"/> 2 Uplinks 3 Downlinks <input type="checkbox"/> 3 Uplinks 2 Downlinks <input type="checkbox"/> 3 Uplinks 3 Downlinks		
<input type="checkbox"/> Supports SV-LTE (1xRTT-LTE)					
<input type="checkbox"/> LTE-TDD	<input type="checkbox"/> Band 38 <input type="checkbox"/> Band 39 <input type="checkbox"/> Band 40 <input type="checkbox"/> Band 41 <input type="checkbox"/> Band 42	<input type="checkbox"/> QPSK <input type="checkbox"/> 16QAM			63.3% This device supports uplink-downlink configuration 0-6. The configuration with highest duty cycle was used (configuration. 0 at 63.3%)
		<input type="checkbox"/> Rel.11 Carrier Aggregation	<input type="checkbox"/> 2 Uplinks 2 Downlinks <input type="checkbox"/> 2 Uplinks 3 Downlinks <input type="checkbox"/> 3 Uplinks 2 Downlinks <input type="checkbox"/> 3 Uplinks 3 Downlinks		
<input type="checkbox"/> Supports SV-LTE (1xRTT-LTE)					
<input checked="" type="checkbox"/> Wi-Fi	<input checked="" type="checkbox"/> 2.4GHz	<input checked="" type="checkbox"/> IEEE 802.11b	<input checked="" type="checkbox"/> 2412 – 2462 MHz <input type="checkbox"/> 2412 – 2472 MHz	<input checked="" type="checkbox"/> 50%	
		<input checked="" type="checkbox"/> IEEE 802.11g	<input checked="" type="checkbox"/> 2412 – 2462 MHz <input type="checkbox"/> 2412 – 2472 MHz	<input checked="" type="checkbox"/> 50%	
		<input checked="" type="checkbox"/> IEEE 802.11n HT20	<input checked="" type="checkbox"/> 2412 – 2462 MHz <input type="checkbox"/> 2412 – 2472 MHz	<input checked="" type="checkbox"/> 50%	
		<input checked="" type="checkbox"/> IEEE 802.11n HT40	<input checked="" type="checkbox"/> 2422 – 2452 MHz	<input checked="" type="checkbox"/> 50%	
	<input type="checkbox"/> 5GHz	<input checked="" type="checkbox"/> IEEE 802.11a	<input checked="" type="checkbox"/> 5180 – 5240 MHz <input checked="" type="checkbox"/> 5260 – 5320 MHz <input checked="" type="checkbox"/> 5500 – 5700 MHz <input checked="" type="checkbox"/> 5745 – 5825 MHz	<input checked="" type="checkbox"/> 50%	
		<input checked="" type="checkbox"/> IEEE 802.11n HT20	<input checked="" type="checkbox"/> 5180 – 5240 MHz <input checked="" type="checkbox"/> 5260 – 5320 MHz <input checked="" type="checkbox"/> 5500 – 5700 MHz <input checked="" type="checkbox"/> 5745 – 5825 MHz	<input checked="" type="checkbox"/> 50%	

		<input checked="" type="checkbox"/> IEEE 802.11n HT40	<input checked="" type="checkbox"/> 5190 – 5230 MHz <input checked="" type="checkbox"/> 5270 – 5310 MHz <input checked="" type="checkbox"/> 5510 – 5670 MHz <input checked="" type="checkbox"/> 5755 – 5795 MHz	<input checked="" type="checkbox"/> 50%
		<input checked="" type="checkbox"/> IEEE 802.11ac VHT20	<input checked="" type="checkbox"/> 5180 – 5240 MHz <input checked="" type="checkbox"/> 5260 – 5320 MHz <input checked="" type="checkbox"/> 5500 – 5700 MHz <input checked="" type="checkbox"/> 5745 – 5825 MHz	<input checked="" type="checkbox"/> 50%
		<input checked="" type="checkbox"/> IEEE 802.11ac VHT40	<input checked="" type="checkbox"/> 5190 – 5230 MHz <input checked="" type="checkbox"/> 5270 – 5310 MHz <input checked="" type="checkbox"/> 5510 – 5670 MHz <input checked="" type="checkbox"/> 5755 – 5795 MHz	<input checked="" type="checkbox"/> 50%
		<input checked="" type="checkbox"/> IEEE 802.11ac VHT80	<input checked="" type="checkbox"/> 5210 – 5210 MHz <input checked="" type="checkbox"/> 5290 – 5290 MHz <input checked="" type="checkbox"/> 5530 – 5530 MHz <input checked="" type="checkbox"/> 5775 – 5775 MHz	<input checked="" type="checkbox"/> 50%
<input type="checkbox"/> Supports Band gap channels				
<input type="checkbox"/> Others	<input type="checkbox"/> 2.4GHz	<input type="checkbox"/> 1 MHz Bandwidth	<input type="checkbox"/> 2402 – 2472 MHz	<input type="checkbox"/> 100%
<input type="checkbox"/> Bluetooth	<input type="checkbox"/> 2.4GHz	<input type="checkbox"/> Version 2.1+EDR		<input type="checkbox"/> 77.5%
		<input type="checkbox"/> Version 3.0+HS		<input type="checkbox"/> 77.5%
		<input type="checkbox"/> Version 4.0		<input type="checkbox"/> 100%
		<input type="checkbox"/> Version 4.1+EDR		<input type="checkbox"/> 77.5%
		<input type="checkbox"/> Version 4.2+EDR		<input type="checkbox"/> 77.5%

### 1.5 Antenna Information

Wireless Technologies	Frequency bands	Antenna type	Maximum antenna gain	
<input type="checkbox"/> GSM	<input type="checkbox"/> 850	<input type="checkbox"/> PIFA <input type="checkbox"/> PCB <input type="checkbox"/>	<input type="checkbox"/> Antenna 0	
		<input type="checkbox"/> PIFA <input type="checkbox"/> PCB <input type="checkbox"/>	<input type="checkbox"/> Antenna 1	
<input type="checkbox"/> GSM	<input type="checkbox"/> 1900	<input type="checkbox"/> PIFA <input type="checkbox"/> PCB <input type="checkbox"/>	<input type="checkbox"/> Antenna 0	
		<input type="checkbox"/> PIFA <input type="checkbox"/> PCB <input type="checkbox"/>	<input type="checkbox"/> Antenna 1	
<input type="checkbox"/> WCDMA (UMTS)	<input type="checkbox"/> Band II	<input type="checkbox"/> PIFA <input type="checkbox"/> PCB <input type="checkbox"/>	<input type="checkbox"/> Antenna 0	
		<input type="checkbox"/> PIFA <input type="checkbox"/> PCB <input type="checkbox"/>	<input type="checkbox"/> Antenna 1	
	<input type="checkbox"/> Band IV	<input type="checkbox"/> PIFA <input type="checkbox"/> PCB <input type="checkbox"/>	<input type="checkbox"/> Antenna 0	
		<input type="checkbox"/> PIFA <input type="checkbox"/> PCB <input type="checkbox"/>	<input type="checkbox"/> Antenna 1	
	<input type="checkbox"/> Band V	<input type="checkbox"/> PIFA <input type="checkbox"/> PCB <input type="checkbox"/>	<input type="checkbox"/> Antenna 0	
		<input type="checkbox"/> PIFA <input type="checkbox"/> PCB <input type="checkbox"/>	<input type="checkbox"/> Antenna 1	

<input type="checkbox"/> CDMA (CDMA2000)	<input type="checkbox"/> CDMA800	<input type="checkbox"/> PIFA <input type="checkbox"/> PCB <input type="checkbox"/>	<input type="checkbox"/> Antenna 0	
		<input type="checkbox"/> PIFA <input type="checkbox"/> PCB <input type="checkbox"/>	<input type="checkbox"/> Antenna 1	
		<input type="checkbox"/> PIFA <input type="checkbox"/> PCB <input type="checkbox"/>	<input type="checkbox"/> Antenna 0	
	<input type="checkbox"/> CDMA1900	<input type="checkbox"/> PIFA <input type="checkbox"/> PCB <input type="checkbox"/>	<input type="checkbox"/> Antenna 0	
		<input type="checkbox"/> PIFA <input type="checkbox"/> PCB <input type="checkbox"/>	<input type="checkbox"/> Antenna 1	
		<input type="checkbox"/> PIFA <input type="checkbox"/> PCB <input type="checkbox"/>	<input type="checkbox"/> Antenna 0	
<input type="checkbox"/> LTE-FDD	<input type="checkbox"/> Band 2	<input type="checkbox"/> PIFA <input type="checkbox"/> PCB <input type="checkbox"/>	<input type="checkbox"/> Antenna 0	
		<input type="checkbox"/> PIFA <input type="checkbox"/> PCB <input type="checkbox"/>	<input type="checkbox"/> Antenna 1	
	<input type="checkbox"/> Band 4	<input type="checkbox"/> PIFA <input type="checkbox"/> PCB <input type="checkbox"/>	<input type="checkbox"/> Antenna 0	
		<input type="checkbox"/> PIFA <input type="checkbox"/> PCB <input type="checkbox"/>	<input type="checkbox"/> Antenna 1	
	<input type="checkbox"/> Band 5	<input type="checkbox"/> PIFA <input type="checkbox"/> PCB <input type="checkbox"/>	<input type="checkbox"/> Antenna 0	
		<input type="checkbox"/> PIFA <input type="checkbox"/> PCB <input type="checkbox"/>	<input type="checkbox"/> Antenna 1	
	<input type="checkbox"/> Band 7	<input type="checkbox"/> PIFA <input type="checkbox"/> PCB <input type="checkbox"/>	<input type="checkbox"/> Antenna 0	
		<input type="checkbox"/> PIFA <input type="checkbox"/> PCB <input type="checkbox"/>	<input type="checkbox"/> Antenna 1	
	<input type="checkbox"/> Band 12	<input type="checkbox"/> PIFA <input type="checkbox"/> PCB <input type="checkbox"/>	<input type="checkbox"/> Antenna 0	
		<input type="checkbox"/> PIFA <input type="checkbox"/> PCB <input type="checkbox"/>	<input type="checkbox"/> Antenna 1	
	<input type="checkbox"/> Band 13	<input type="checkbox"/> PIFA <input type="checkbox"/> PCB <input type="checkbox"/>	<input type="checkbox"/> Antenna 0	
		<input type="checkbox"/> PIFA <input type="checkbox"/> PCB <input type="checkbox"/>	<input type="checkbox"/> Antenna 1	
	<input type="checkbox"/> Band 17	<input type="checkbox"/> PIFA <input type="checkbox"/> PCB <input type="checkbox"/>	<input type="checkbox"/> Antenna 0	
		<input type="checkbox"/> PIFA <input type="checkbox"/> PCB <input type="checkbox"/>	<input type="checkbox"/> Antenna 1	
	<input type="checkbox"/> Band 25	<input type="checkbox"/> PIFA <input type="checkbox"/> PCB <input type="checkbox"/>	<input type="checkbox"/> Antenna 0	
		<input type="checkbox"/> PIFA <input type="checkbox"/> PCB <input type="checkbox"/>	<input type="checkbox"/> Antenna 1	



	<input type="checkbox"/> Band 26	<input type="checkbox"/>				
		<input type="checkbox"/> PIFA <input type="checkbox"/> PCB	<input type="checkbox"/> Antenna 0			
	<input type="checkbox"/> Band 27	<input type="checkbox"/> PIFA <input type="checkbox"/> PCB	<input type="checkbox"/>	<input type="checkbox"/> Antenna 1		
		<input type="checkbox"/> PIFA <input type="checkbox"/> PCB	<input type="checkbox"/>	<input type="checkbox"/> Antenna 0		
	<input type="checkbox"/> LTE-TDD	<input type="checkbox"/> Band 38	<input type="checkbox"/> PIFA <input type="checkbox"/> PCB	<input type="checkbox"/>	<input type="checkbox"/> Antenna 0	
			<input type="checkbox"/> PIFA <input type="checkbox"/> PCB	<input type="checkbox"/>	<input type="checkbox"/> Antenna 1	
<input type="checkbox"/> Band 39		<input type="checkbox"/> PIFA <input type="checkbox"/> PCB	<input type="checkbox"/>	<input type="checkbox"/> Antenna 0		
		<input type="checkbox"/> PIFA <input type="checkbox"/> PCB	<input type="checkbox"/>	<input type="checkbox"/> Antenna 1		
<input type="checkbox"/> Band 40		<input type="checkbox"/> PIFA <input type="checkbox"/> PCB	<input type="checkbox"/>	<input type="checkbox"/> Antenna 0		
		<input type="checkbox"/> PIFA <input type="checkbox"/> PCB	<input type="checkbox"/>	<input type="checkbox"/> Antenna 1		
	<input type="checkbox"/> Band 41	<input type="checkbox"/> PIFA <input type="checkbox"/> PCB	<input type="checkbox"/>	<input type="checkbox"/> Antenna 0		
		<input type="checkbox"/> PIFA <input type="checkbox"/> PCB	<input type="checkbox"/>	<input type="checkbox"/> Antenna 1		
	<input type="checkbox"/> Band 42	<input type="checkbox"/> PIFA <input type="checkbox"/> PCB	<input type="checkbox"/>	<input type="checkbox"/> Antenna 0		
		<input type="checkbox"/> PIFA <input type="checkbox"/> PCB	<input type="checkbox"/>	<input type="checkbox"/> Antenna 1		
<input checked="" type="checkbox"/> Wi-Fi	<input checked="" type="checkbox"/> 2.4GHz	<input type="checkbox"/> PIFA <input checked="" type="checkbox"/> PCB	<input checked="" type="checkbox"/> Antenna 0	2.6dBi gain max		
		<input type="checkbox"/> PIFA <input type="checkbox"/> PCB	<input type="checkbox"/> Antenna 1			
		<input type="checkbox"/> PIFA <input type="checkbox"/> PCB	<input type="checkbox"/> Antenna 2			
	<input checked="" type="checkbox"/> 5GHz	<input type="checkbox"/> PIFA <input checked="" type="checkbox"/> PCB	<input checked="" type="checkbox"/> Antenna 0	3.8dBi gain max		
		<input type="checkbox"/> PIFA <input type="checkbox"/> PCB	<input type="checkbox"/> Antenna 1			
		<input type="checkbox"/> PIFA	<input type="checkbox"/> Antenna 2			

		<input type="checkbox"/> PCB <input type="checkbox"/>		
<input type="checkbox"/> Others	<input type="checkbox"/> 2.4GHz	<input type="checkbox"/> PIFA <input type="checkbox"/> PCB	<input type="checkbox"/> Antenna 0	
		<input type="checkbox"/> PIFA <input type="checkbox"/> PCB	<input type="checkbox"/> Antenna 1	
		<input type="checkbox"/> PIFA <input type="checkbox"/> PCB	<input type="checkbox"/> Antenna 2	
<input checked="" type="checkbox"/> Bluetooth	<input type="checkbox"/> 2.4GHz	<input type="checkbox"/> PIFA <input checked="" type="checkbox"/> PCB	<input checked="" type="checkbox"/> Antenna 0	0.2dBi gain max

## 2.6. EUT, Auxiliary Equipment (AE) and EUT set-ups

Please refer to the following test reports:

FCC WLAN 2.4GHz:	BTL-FCCP-2-1808C227_2.4G_ AIVIP42M0 MDG1810008
FCC BT BDR/EDR:	BTL-FCCP-1-1808C227_BT_ AIVIP42M0 MDG1810008
FCC WLAN 5GHz	BTL-FCCP-3-1808C227_5G_ AIVIP42M0 MDG1810008
ISED WLAN 2.4GHz:	BTL-ISED-2-1808C227_2.4G_ AIVIP42M0 MDG1810008
ISED BT BDR/EDR:	BTL-ISED-1-1808C227_BT_ AIVIP42M0 MDG1810008
ISED WLAN 5GHz	BTL-ISED-3-1808C227_5G_ AIVIP42M0 MDG1810008

## 2.7. EUT operating modes

EUT operating mode no. *)	Description of operating modes	Additional information
op. 1	WLAN 2.4 802.11b/g/n TX-Mode Fixed channel modulated	With help of special test firmware a continuous traffic mode. *2)
op. 2	TX-Mode hopping off	With help of special test firmware a continuous traffic mode could be established with help of a Bluetooth base simulator. (R&S CBT32)
op. 3	WLAN 5 GHz 802.11a/n TX-Mode Fixed channel modulated	The EUT was put to Fixed Channel (Modulated) Continuous transmissions mode with help of test software (Labtool)

\*) EUT operating mode no. is used to simplify the test report.

## 2.8. Test mode software

Test software name: Dut labtool  
 SW version: 2.0.089  
 SW date: Mar. 09, 2016  
 Save location: Local test notebook Dell Inspiron 15-7559

### 3. Measurements

#### 3.1. Radio Frequency Exposure Evaluation §2.1091

##### 3.1. Test location

test location	<input checked="" type="checkbox"/> CETECOM Essen	<input type="checkbox"/>	<input type="checkbox"/>
	For Evaluation instruments are not needed. Results are determined by calculation based on applicants delivered Tune-Up procedure.		

##### 3.2 Evaluation Rules for FCC Standard

Systems operating under the provisions of FCC 47 CFR section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission’s guidelines.

In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as mobile device whereby a distance of 0.2m normally can be maintained between the user and the device, and below RF Permissible Exposure limit shall comply with.

In accordance with KDB447498D01 for Simultaneous transmission MPE test exclusion applies when the sum of the MPE ratios for all simultaneous transmitting antennas incorporated in a host device, based on the calculated/estimated, numerically modelled or measured field strengths or power density, is  $\leq 1.0$ . The MPE ratio of each antenna is determined at the minimum test separation distance required by the operating configurations and exposure conditions of the host device, according to the ratio of field strengths or power density to MPE limit, at the test frequency. Either the maximum peak or spatially averaged results from measurements or numerical simulations may be used to determine the MPE ratios. Spatial averaging does not apply when MPE is estimated using simple calculations based on far-field plane-wave equivalent conditions. The antenna installation and operating requirements for the host device must meet the minimum test separation distances required by all antennas, in both standalone and simultaneous transmission operations, to satisfy compliance.

##### 3.3 Limits for FCC Standard

Table 1: LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

(A) Limits for Occupational/Controlled Exposure				
Frequency range [MHz]	Electric field strength [V/m]	Magnetic field strength [A/m]	Power density [mW/cm <sup>2</sup> ]	Averaging time [minutes]
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842/f	4.89/f	(900/f <sup>2</sup> )*	6
30-300	61.4	0.163	1.0	6
300-1500	--	--		6
1500-100,000	--	--		6
(B) Limits for General Population/Uncontrolled Exposure				
Frequency range [MHz]	Electric field strength [V/m]	Magnetic field strength [A/m]	Power density [mW/cm <sup>2</sup> ]	Averaging time [minutes]
0.3-3.0	614	1.63	*(100)	30
3.0-30	824/f	2.19/f	*(180/f <sup>2</sup> )	30
30-300	27.5	0.073	0.2	30
300-1500	-	-	f/1500	30
1500-100,000	-	-	1.0	30

f=frequency in MHz

\*Plane-wave equivalent power density

NOTE1: Occupational/controlled limits apply in situations in which persons are exposed as a consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure. Limits for occupational/controlled exposure also apply in situations when an individual is transient through a location where occupational/controlled limits apply provided he or she is made aware of the potential for exposure. These limits apply to amateur station licensees and members of their immediate household as discussed in the text.

NOTE2: General population/uncontrolled exposures apply in situations in which the general public may be exposed, or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure. As discussed in the text, these limits apply to neighbours living near amateur radio stations.

### 3.4 Requirements and limits for RSS Standard

RSS-102, Issue 5	<p><b>2.5 Exemption Limits for Routine Evaluation</b></p> <p>All transmitters are exempt from routine SAR and RF exposure evaluations provided that they comply with the requirements of <u>sections 2.5.1 or 2.5.2</u>. <b>If the equipment under test (EUT) meets the requirements of sections 2.5.1 or 2.5.2, applicants are only required to submit a properly signed declaration of compliance (see Annex C)</b>. The information contained in the RF exposure technical brief may be limited to the value(s) of the maximum output power, the information that demonstrates how the maximum output power of the transmitter was derived and the rationale for the separation distances applied (see <u>Table 1</u>), which must be based on the most conservative exposure condition for the applicable module or host platform test procedure requirements.</p>
	<p><b>2.5.2 Exemption Limits for Routine Evaluation — RF Exposure Evaluation</b></p> <p>RF exposure evaluation is required if the separation distance between the user and/or bystander and the device’s radiating element is greater than 20 cm, except when the device operates as follows:</p> <ul style="list-style-type: none"> <li>• below 20 MHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 1 W (adjusted for tune-up tolerance);</li> <li>• at or above 20 MHz and below 48 MHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than <math>4.49/f^{0.5}</math> W (adjusted for tune-up tolerance), where <math>f</math> is in MHz;</li> <li>• at or above 48 MHz and below 300 MHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 0.6 W (adjusted for tune-up tolerance);</li> <li>• <b>at or above 300 MHz and below 6 GHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than <math>1.31 \times 10^{-2} f^{0.6834}</math> W (adjusted for tune-up tolerance), where <math>f</math> is in MHz;</b></li> <li>• at or above 6 GHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 5 W (adjusted for tune-up tolerance).</li> </ul> <p>In these cases, the information contained in the RF exposure technical brief may be limited to information that demonstrates how the e.i.r.p. was derived.</p>
	<p><b>2.6 User Manual Requirements</b></p> <p>The applicant is responsible for providing proper instructions to the user of the radio device, and any usage restrictions, including limits of exposure durations. The user manual shall provide installation and operation instructions, as well as any special usage conditions (e.g. proper accessory required, including the proper orientation of the device in the accessory, maximum antenna gain in the case of detachable antenna), in order to ensure compliance with SAR and/or RF field strength limits. For instance, compliance distance shall be clearly stated in the user manual.</p> <p>The user manual of devices intended for controlled use shall also include information relating to the operating characteristics of the device; the operating instructions to ensure compliance with SAR and/or RF field strength limits; information on the installation and operation of accessories to ensure compliance with SAR and/or RF field strength limits; and contact information where the user can obtain Canadian information on RF exposure and compliance. Other related information may also be included.</p>

### 3.5 MPE Calculation method

Predication of MPE limit at a given distance  
Equation from page 18 of OET Bulletin 65, Edition 97-01

$$S = \frac{EIRP}{4\pi R^2} = \frac{P * G}{4\pi R^2}$$

$$G_{NUMERIC} = \frac{S * 4\pi R^2}{P}$$

Where: S=power density  
P=power input to antenna  
G=power gain of the antenna in the direction of interest relative to an isotropic radiator

R=distance to the centre of radiation of the antenna

### 3.7 Evaluation Method

#### 3.7.1 Standalone

Valid for WLAN/BT Mode:

- The peak power was checked on 3 frequencies (lowest/middle/highest) within each operable WiFi band and the results compared to applicant's declared power values (tune-up info).
- No duty-cycle correction factor is applicable

Please find in the following tables the calculations based on applicants tune-up information for the power values.

#### Results for FCC Standard

Operation Mode	Frequency on channel (MHz)	Declared maximum conducted output power (dBm)	Antenna Gain (dBi)	Declared maximum ERP (Measured+ Tune-up) (dBm)	Duty cycle (%)	Declared Maximum conducted output power (W)	Equivalent conducted output power (output power x duty cycle) (mW)	MPE Limit (mW/cm <sup>2</sup> )	MPE-Value (mW/cm <sup>2</sup> )	Margin to Limit: (mW/cm <sup>2</sup> )	Fraction for Co-Location calculations	Max. Fraction-Value within Frequency-Band
W-LAN 2.4GHz	2412,0	9,9	2,6	12,5	100%	0,0178	17,8	1,0000	0,00354	0,9965	0,003538	0,0035378
	2437,0	9,9	2,6	12,5		0,0178	17,8	1,0000	0,00354	0,9965	0,003538	
	2462,0	9,9	2,6	12,5		0,0178	17,8	1,0000	0,00354	0,9965	0,003538	
Bluetooth BDR/DER	2402,0	-2,20	0,2	-2,0	100%	0,0006	0,6	1,0000	0,00013	0,9999	0,000126	0,0001255
	2442,0	-2,20	0,2	-2,0		0,0006	0,6	1,0000	0,00013	0,9999	0,000126	
	2480,0	-2,20	0,2	-2,0		0,0006	0,6	1,0000	0,00013	0,9999	0,000126	

Operation Mode	Frequency on channel (MHz)	Declared maximum conducted output power (dBm)	Max. positive tolerance according manufacturer's tune-up info (dB)	Declared Antenna Gain (dBi)	Path Loss to ext. antenna connector according manufacturer (dB)	ERP (dBm)	Duty cycle (%)	Maximum ERP (W)	Equivalent ERP (ERP x duty cycle) (mW)	MPE-Value (mW/cm <sup>2</sup> )	MPE-Value (mW/cm <sup>2</sup> )	Margin (mW/cm <sup>2</sup> )	Fraction for Co-location calculations	Maximum Fraction Value within Frequency band
W-LAN 5GHz (20MHz BW)	5180,0	7,30	0,00	3,80	0,50	10,60	100%	0,011	11,48	1,0000	0,00228	0,9977	0,0023	0,0023
	5200,0	7,30	0,00	3,80	0,50	10,60	100%	0,011	11,48	1,0000	0,00228	0,9977	0,0023	
	5240,0	7,30	0,00	3,80	0,50	10,60	100%	0,011	11,48	1,0000	0,00228	0,9977	0,0023	
W-LAN 5GHz (20MHz BW)	5260,0	7,30	0,00	3,80	0,50	10,60	100%	0,011	11,48	1,0000	0,00228	0,9977	0,0023	0,0023
	5280,0	7,30	0,00	3,80	0,50	10,60	100%	0,011	11,48	1,0000	0,00228	0,9977	0,0023	
	5320,0	7,30	0,00	3,80	0,50	10,60	100%	0,011	11,48	1,0000	0,00228	0,9977	0,0023	
W-LAN 5GHz (20MHz BW)	5500,0	7,30	0,00	3,80	0,50	10,60	100%	0,011	11,48	1,0000	0,00228	0,9977	0,0023	0,0023
	5580,0	7,30	0,00	3,80	0,50	10,60	100%	0,011	11,48	1,0000	0,00228	0,9977	0,0023	
	5700,0	7,30	0,00	3,80	0,50	10,60	100%	0,011	11,48	1,0000	0,00228	0,9977	0,0023	
W-LAN 5GHz (20MHz BW)	5745,0	7,30	0,00	3,80	0,50	10,60	100%	0,011	11,48	1,0000	0,00228	0,9977	0,0023	0,0023
	5785,0	7,30	0,00	3,80	0,50	10,60	100%	0,011	11,48	1,0000	0,00228	0,9977	0,0023	
	5825,0	7,30	0,00	3,80	0,50	10,60	100%	0,011	11,48	1,0000	0,00228	0,9977	0,0023	
W-LAN 5GHz (40MHz BW)	5190,0	6,60	0,00	3,80	0,50	9,90	100%	0,010	9,77	1,0000	0,00194	0,9981	0,0019	0,0019
	5230,0	6,60	0,00	3,80	0,50	9,90	100%	0,010	9,77	1,0000	0,00194	0,9981	0,0019	
W-LAN 5GHz (40MHz BW)	5270,0	6,60	0,00	3,80	0,50	9,90	100%	0,010	9,77	1,0000	0,00194	0,9981	0,0019	0,0019
	5310,0	6,60	0,00	3,80	0,50	9,90	100%	0,010	9,77	1,0000	0,00194	0,9981	0,0019	
W-LAN 5GHz (40MHz BW)	5510,0	6,60	0,00	3,80	0,50	9,90	100%	0,010	9,77	1,0000	0,00194	0,9981	0,0019	0,0019
	5550,0	6,60	0,00	3,80	0,50	9,90	100%	0,010	9,77	1,0000	0,00194	0,9981	0,0019	
	5670,0	6,60	0,00	3,80	0,50	9,90	100%	0,010	9,77	1,0000	0,00194	0,9981	0,0019	
W-LAN 5GHz (40MHz BW)	5755,0	6,60	0,00	3,80	0,50	9,90	100%	0,010	9,77	1,0000	0,00194	0,9981	0,0019	0,0019
	5795,0	6,60	0,00	3,80	0,50	9,90	100%	0,010	9,77	1,0000	0,00194	0,9981	0,0019	
W-LAN 5GHz (80MHz BW)	5270,0	2,60	0,00	3,80	0,50	5,90	100%	0,004	3,89	1,0000	0,00077	0,9992	0,0008	0,0008
	5310,0	2,60	0,00	3,80	0,50	5,90	100%	0,004	3,89	1,0000	0,00077	0,9992	0,0008	
W-LAN 5GHz (80MHz BW)	5510,0	2,60	0,00	3,80	0,50	5,90	100%	0,004	3,89	1,0000	0,00077	0,9992	0,0008	0,0008
	5550,0	2,60	0,00	3,80	0,50	5,90	100%	0,004	3,89	1,0000	0,00077	0,9992	0,0008	
	5670,0	2,60	0,00	3,80	0,50	5,90	100%	0,004	3,89	1,0000	0,00077	0,9992	0,0008	
W-LAN 5GHz (80MHz BW)	5755,0	2,60	0,00	3,80	0,50	5,90	100%	0,004	3,89	1,0000	0,00077	0,9992	0,0008	0,0008
	5795,0	2,60	0,00	3,80	0,50	5,90	100%	0,004	3,89	1,0000	0,00077	0,9992	0,0008	

1. Output power including tune-up tolerance;
2. Output power was adjust to duty cycle at 100% if measured duty cycle less than 98%;
3. MPE evaluate distance is 20cm from user manual provide by manufacturer;
4. Depending on output power and antenna gain only the worst case is reported;

**Results for RSS Standard**

Operation Mode	Frequency on channel (MHz)	Declared maximum conducted output power (dBm)	Antenna Gain (dBi)	Declared maximum ERP (Measured+ Tune-up) (dBm)	Duty cycle %	Declared Maximum conducted output power (W)	Equivalent conducted output power (output power x duty cycle) (mW)	MPE Limit (mW/cm <sup>2</sup> )	MPE-Value (mW/cm <sup>2</sup> )	Margin to Limit: (mW/cm <sup>2</sup> )	Fraction for Co-Location calculations	Max. Fraction-Value within Frequency-Band
W-LAN 2.4GHz	2412,0	9,9	2,6	12,5	100%	0,0178	17,8	1,0000	0,00354	0,9965	0,003538	0,0035378
	2437,0	9,9	2,6	12,5		0,0178	17,8	1,0000	0,00354	0,9965	0,003538	
	2462,0	9,9	2,6	12,5		0,0178	17,8	1,0000	0,00354	0,9965	0,003538	
Bluetooth BDR/ DER	2402,0	-2,20	0,2	-2,0	100%	0,0006	0,6	1,0000	0,00013	0,9999	0,000126	0,0001255
	2442,0	-2,20	0,2	-2,0		0,0006	0,6	1,0000	0,00013	0,9999	0,000126	
	2480,0	-2,20	0,2	-2,0		0,0006	0,6	1,0000	0,00013	0,9999	0,000126	

Maximum calculated MPE value:		
Lowest MPE-Limit:	1,0000	[mW/cm <sup>2</sup> ]
Highest MPE value:	0,0035	[mW/cm <sup>2</sup> ]
Lowest Margin to limit:	0,9965	[mW/cm <sup>2</sup> ]

Operation Mode	Frequency on channel (MHz)	Declared maximum conducted output power (dBm)	Max. positive tolerance according manufacturer's tune-up info (dB)	Declared Antenna Gain (dBi)	Path Loss to ext. antenna connector according manufacturer (dB)	ERP (dBm)	Duty cycle (%)	Maximum ERP (W)	Equivalent ERP (ERP x duty cycle) (mW)	MPE-Value (mW/cm <sup>2</sup> )	MPE-Value (mW/cm <sup>2</sup> )	Margin (mW/cm <sup>2</sup> )	Fraction for Co-location calculations	Maximum Fraction Value within Frequency band
W-LAN 5GHz (20MHz BW)	5180,0	7,30	0,00	3,80	0,50	10,60	100%	0,011	11,48	1,0000	0,00228	0,9977	0,0023	0,0023
	5200,0	7,30	0,00	3,80	0,50	10,60	100%	0,011	11,48	1,0000	0,00228	0,9977	0,0023	
	5240,0	7,30	0,00	3,80	0,50	10,60	100%	0,011	11,48	1,0000	0,00228	0,9977	0,0023	
W-LAN 5GHz (20MHz BW)	5260,0	7,30	0,00	3,80	0,50	10,60	100%	0,011	11,48	1,0000	0,00228	0,9977	0,0023	0,0023
	5280,0	7,30	0,00	3,80	0,50	10,60	100%	0,011	11,48	1,0000	0,00228	0,9977	0,0023	
	5320,0	7,30	0,00	3,80	0,50	10,60	100%	0,011	11,48	1,0000	0,00228	0,9977	0,0023	
W-LAN 5GHz (20MHz BW)	5500,0	7,30	0,00	3,80	0,50	10,60	100%	0,011	11,48	1,0000	0,00228	0,9977	0,0023	0,0023
	5580,0	7,30	0,00	3,80	0,50	10,60	100%	0,011	11,48	1,0000	0,00228	0,9977	0,0023	
	5700,0	7,30	0,00	3,80	0,50	10,60	100%	0,011	11,48	1,0000	0,00228	0,9977	0,0023	
W-LAN 5GHz (20MHz BW)	5745,0	7,30	0,00	3,80	0,50	10,60	100%	0,011	11,48	1,0000	0,00228	0,9977	0,0023	0,0023
	5785,0	7,30	0,00	3,80	0,50	10,60	100%	0,011	11,48	1,0000	0,00228	0,9977	0,0023	
	5825,0	7,30	0,00	3,80	0,50	10,60	100%	0,011	11,48	1,0000	0,00228	0,9977	0,0023	
W-LAN 5GHz (40MHz BW)	5190,0	6,60	0,00	3,80	0,50	9,90	100%	0,010	9,77	1,0000	0,00194	0,9981	0,0019	0,0019
	5230,0	6,60	0,00	3,80	0,50	9,90	100%	0,010	9,77	1,0000	0,00194	0,9981	0,0019	
	5270,0	6,60	0,00	3,80	0,50	9,90	100%	0,010	9,77	1,0000	0,00194	0,9981	0,0019	
W-LAN 5GHz (40MHz BW)	5310,0	6,60	0,00	3,80	0,50	9,90	100%	0,010	9,77	1,0000	0,00194	0,9981	0,0019	0,0019
	5510,0	6,60	0,00	3,80	0,50	9,90	100%	0,010	9,77	1,0000	0,00194	0,9981	0,0019	
	5550,0	6,60	0,00	3,80	0,50	9,90	100%	0,010	9,77	1,0000	0,00194	0,9981	0,0019	
W-LAN 5GHz (40MHz BW)	5670,0	6,60	0,00	3,80	0,50	9,90	100%	0,010	9,77	1,0000	0,00194	0,9981	0,0019	0,0019
	5755,0	6,60	0,00	3,80	0,50	9,90	100%	0,010	9,77	1,0000	0,00194	0,9981	0,0019	
	5795,0	6,60	0,00	3,80	0,50	9,90	100%	0,010	9,77	1,0000	0,00194	0,9981	0,0019	
W-LAN 5GHz (80MHz BW)	5270,0	2,60	0,00	3,80	0,50	5,90	100%	0,004	3,89	1,0000	0,00077	0,9992	0,0008	0,0008
	5310,0	2,60	0,00	3,80	0,50	5,90	100%	0,004	3,89	1,0000	0,00077	0,9992	0,0008	
	5510,0	2,60	0,00	3,80	0,50	5,90	100%	0,004	3,89	1,0000	0,00077	0,9992	0,0008	
W-LAN 5GHz (80MHz BW)	5550,0	2,60	0,00	3,80	0,50	5,90	100%	0,004	3,89	1,0000	0,00077	0,9992	0,0008	0,0008
	5670,0	2,60	0,00	3,80	0,50	5,90	100%	0,004	3,89	1,0000	0,00077	0,9992	0,0008	
	5755,0	2,60	0,00	3,80	0,50	5,90	100%	0,004	3,89	1,0000	0,00077	0,9992	0,0008	
W-LAN 5GHz (80MHz BW)	5795,0	2,60	0,00	3,80	0,50	5,90	100%	0,004	3,89	1,0000	0,00077	0,9992	0,0008	0,0008

Maximum calculated MPE value:		
5GHz		
Lowest MPE-Limit:	1,0000	[Wm <sup>2</sup> ]
Highest MPE value:	0,0023	[Wm <sup>2</sup> ]
Margin to limit	0,9977	[Wm <sup>2</sup> ]

### 3.7.3 Simultaneous Transmission MPE

According to KDB447498 for Transmitters used in mobile exposure conditions for simultaneous transmission operations;  
 $\sum$  of MPE ratios  $\leq$  1.0

		W-LAN 2.4GHz	Bluetooth BDR/DER	WLAN 5GHz
<b>Ratio of MPE- Value/Limit</b>		0,003537774	0,000125525	0
<b>W-LAN 2.4GHz</b>	0,003537774	--	0,003663299	0,003537774
<b>Bluetooth BDR/DER</b>	0,000125525	0,003663299	--	0,000125525
<b>WLAN 5GHz</b>	0,000000000	0,003537774	0,000125525	0,000000000
<b>Maximum-Value</b>		<b>0,0036633</b>		

### 3.8 Conclusion

The measurement results comply with the FCC Limit per 47 CFR 2.1091 for the uncontrolled RF Exposure of mobile device.

The measurement results comply with the RSS-102, Issue 5.



#### 4. Measurement uncertainties, Instruments and Ancillary

Please refer to the following test reports:

FCC WLAN 2.4GHz:	BTL-FCCP-2-1808C227_2.4G_AIVIP42M0 MDG1810008
FCC BT BDR/EDR:	BTL-FCCP-1-1808C227_BT_AIVIP42M0 MDG1810008
FCC WLAN 5GHz:	BTL-FCCP-3-1808C227_5G_AIVIP42M0 MDG1810008
ISED WLAN 2.4GHz:	BTL-ISEDR-2-1808C227_2.4G_AIVIP42M0 MDG1810008
ISED BT BDR/EDR:	BTL-ISEDR-1-1808C227_BT_AIVIP42M0 MDG1810008
ISED WLAN 5GHz:	BTL-ISEDR-3-1808C227_5G_AIVIP42M0 MDG1810008

#### 5. Versions of test reports (change history)

Version	Applied changes	Date of release
--	Initial release	2018-10-12

# END OF TEST REPORT