



Federal Communications Commission  
 Equipment Authorization Branch  
 7435 Oakland Mills Road  
 Columbia, MD 21046

Robert Bosch  
 Car Multimedia GmbH  
 Postfach  
 31132 Hildesheim  
 Visitors:  
 Robert-Bosch-Straße 200  
 31139 Hildesheim  
 Tel +49 5121 49-0  
 www.bosch.com

Dirk Zamow, CM/QMM2  
 Tel +49 5121 49-2608  
 Dirk.Zamow@de.bosch.com

23 June 2017

**UNII Device Declaration Letter**

Ladies and gentlemen,

We have declared below featured for FCC equipment authorization,  
 Device FCC ID: YBN-AIVIP32R0

- (1) DFS Device:  Master  Client with Radar detection  
 capability  N/A  Client without radar  
 detection capability,

(2) Active / Passive Scanning , adhoc mode access point capability

Frequency Band (MHz)	Active Scanning (the device can transmit a probe (beacon))		passive scanning (where the device is can listen only with no probes)		Ad Hoc Mode capability		Access point capability	
	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
2412-2462	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
5745-5825	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
5755-5795	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
5180-5240	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
5190-5230	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
5260-5320	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
5270-5310	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
5500-5700	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
5510-5670	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No



- (3) Country code selection ability  Yes  No

If no, pls explain how it was implemented: Head unit starts always in World Save Mode (channel 12 + 13 disabled or even more stringent when hotspot has more restrictions/ FCC compliant). In this mode the system allows only passive scan without probe broadcasts. If the hotspot shows FCC region the system enables settings according to US regulatory. If hotspots shows something else the system enables the intersection of US and this hotspot setting. This ensures always a behavior according to the FCC regulatory. And if the system is used outside of the US the system will take care of the additional rules of this region too. In this way the device is always FCC compliant (World Mode or FCC Mode)

- (4) Meet 15.202 requirement  Yes  No

pls check below :

A master device is defined as a device operating in a mode in which it has the capability to transmit without receiving an enabling signal. In this mode it is able to select a channel and initiate a network by sending enabling signals to other devices

A client device is defined as a device operating in a mode in which the transmissions of the device are under control of the master. A device in client mode is not able to initiate a network.

- (5) For client devices that have software configuration control to operate in different modes (active scanning in some and passive scanning in others) in different bands (devices with multiple equipment classes or those that operate on non-DFS frequencies) or modular devices which configure the modes of operations through software, the application must provide software and operations description on how the software and / or hardware is implemented to ensure that proper operations modes cannot be modified by end user or an installer.

Apply  Does not apply

(If apply, pls help to provide explanation on it was implement, and how software was controlled)

User has no access to parameters to be relevant for country approval. System selects channel based on World Save Mode or US if the hotspot is publishing this information.



Yours sincerely

23 June 2017

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A handwritten signature in blue ink that reads 'Torsten Sahn'.

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Torsten Sahn

Listed Point of Contact  
Robert Bosch Car Multimedia GmbH  
Robert-Bosch-Str. 200, 31139 Hildesheim  
GERMANY  
Phone: +49 (0)5121 49-4644  
Fax: +49(711)81-5054644

A handwritten signature in black ink that reads 'Dr. Sven Ost'.

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Dr. Sven Ost

Executive Vice President  
Robert Bosch Car Multimedia GmbH  
Robert-Bosch-Str. 200, 31139 Hildesheim  
GERMANY  
Phone: +49 (0)5121 49-4100  
Fax: +49(711)811-5054101