DEKRA Testing and Certification, S.A.U.
Parque Tecnológico de Andalucía,
c/ Severo Ochoa nº 2 · 29590 Campanillas · Málaga · España
C.I.F. A29507456

ISED CABid: ES1909
Lab. Company Number: 4621A

Test Report No:
76719RRF.006

Partial Test Report

USA FCC Part 15.31(h), 15.209, 15.247, 15.407

(*) Identification of item tested	Central In-Vehicle Infotainment Computer CIVIC Gen20xi.3
(*) Trademark	BOSCH
(*) Model and / or type reference	BCI3L3N1 / vehicular architecture: Star3.0
(*) Derived model not tested	BCI3L3N1 / vehicular architecture: Star3.5
Other identification of the product	FCC ID: 2AUXS-BCI3L3N1 IC: 25847-BCI3L3N1
(*) Features	AM/FM/DAB(SXM US version)(/TV JP Version) W-LAN 2.4GHz /5GHz MIMO / SiSO - no DFS Bands, AP / Client Bluetooth 5.2 LE& EDR GNSS multiple HW version: D5 SW version: E064.4
Applicant	Robert Bosch GmbH Robert-Bosch-Strasse 200 31139, Hildesheim Germany
Test method requested, standard	USA FCC Part 15.31 (10-1-21) Edition: Measurement standards. USA FCC Part 15.209 (10-1-21) Edition: Radiated emission limits; general requirements. USA FCC Part 15.247 (10-1-21) Edition: Operation within the bands 902 - 928 MHz, 2400 -2483.5 MHz, and 5725 - 5850 MHz. USA FCC Part 15.407 (10-1-21) Edition: Unlicensed National Information Infrastructure (U-NII) Devices. General technical requirements. Guidance for Performing Compliance Measurements on Digital Transmission System, Frequency Hopping Spread Spectrum System, and Hybrid Systems Devices Operating Under Section 15.247 of the FCC Rules. 558074 D01 Meas Guidance v05r02 dated April 2, 2019. Guidance for Emission Testing of Transmitters with Multiple Outputs in the Same Band 662911 D01 Multiple Transmitter Output v02r01 dated 10/31/2013. Guidance for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices 789033 D02 General U-NII Test Procedures New Rules v02r01 dated Dec 14, 2017 ANSI C63.10-2013: American National Standard for Testing Unlicensed Wireless Devices.
Approved by (name / position & signature)	José Manuel Gómez Galván EMC Consumer & RF Lab. Manager Firmado digitalmente por 53680346W JOSE MANUEL GOMEZ (C:A29507456)

Date of issue	2025-06-04
Report template No	FDT08_25 (*) “Data provided by the client”

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Competences and guarantees

DEKRA Testing and Certification S.A.U. is a testing laboratory accredited by the National Accreditation Body (ENAC - Entidad Nacional de Acreditación) to perform the tests indicated in the Certificate No. 51/LE 147.

DEKRA Testing and Certification S.A.U. is an FCC-recognized accredited testing laboratory with the appropriate scope of accreditation that covers the performed test in this report.

In order to assure the traceability to other national and international laboratories, DEKRA Testing and Certification S.A.U. has a calibration and maintenance program for its measurement equipment.

DEKRA Testing and Certification S.A.U. guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated on the report and it is based on the knowledge and technical facilities available at DEKRA Testing and Certification S.A.U. at the time of performance of the test.

DEKRA Testing and Certification S.A.U. is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

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General Conditions

1. This report is only referred to the item that has undergone the test.
2. This report does not constitute or imply on its own an approval of the product by the Certification Bodies or competent Authorities.
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Uncertainty

Uncertainty (factor k=2) was calculated according to the DEKRA Testing and Certification S.A.U. internal document PODT000.

Data provided by the client

The following data has been provided by the client:

1. Information relating to the description of the sample ("Identification of the item tested", "Trademark", "Model and/or type reference tested").

2. The sample consists of a Central In-Vehicle Infotainment Computer CIVIC Gen20xi.3

Including:

GNSS (GPS, Galileo Beidou Glonass)

AM/FM/DAB (ROW/ECE)

AM/FM/SXM (NA)

AM/FM/TV (JP)

WLAN 2.4 &5GHz

Bluetooth

3. Declaration of similarity

Cross-Domain Computing Solutions

BOSCH

To whom it may concern

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FCC BCI3L3N1 - Product Variant Declaration Star 3.0 vs Star 3.5 May 13, 2025

Ladies and gentlemen,

We, Robert Bosch GmbH, herewith declare that our product **BCI3L3N1** exists in two variants, which are electrical identical in all aspects.

HVIN (Model Name)	BCI3L3N1
FCC ID:	2AUXS- BCI3L3N1
IC:	25847- BCI3L3N1

The product is mounted in two different vehicle types:
- one with a CAN Bus Vehicle communication system,
- the other one has vehicular Ethernet as communication system

In order to be operational in these vehicles, our product is preconfigured in two variants as described below. Both are **HW identical,** only that different path for in-vehicle communication is used.
The CAN and Ethernet interface are always built on both Star architectures, but only Star 3.0 uses the CAN interface, and Star 3.5 uses Ethernet interface.

The following block diagrams show the architectures:

Registered Office: Stuttgart, Registration Court: Amtsgericht Stuttgart, HRB 14000;
Chairman of the Supervisory Board: Prof. Dr. Stefan Asenkerschbaumer;
Managing Directors: Dr. Stefan Hartung, Dr. Christian Fischer, Dr. Markus Forschner,
Stefan Grosch, Dr. Markus Heyn, Dr. Frank Meyer, Katja von Raven, Dr. Tanja Rückert

Cross-Domain Computing Solutions

BOSCH

May 13, 2025
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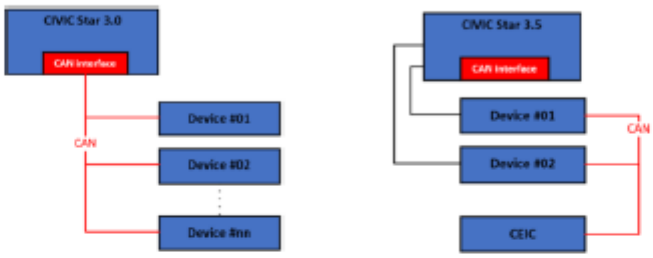
Variant **Star 3.0** **Star 3.5**

Blockdiagram Star Architectures



From regulatory point of view, we, BOSCH, consider the impact of the variant coding as follows:

	CAN Bus / Ethernet Bus
Radio Requirements	No impact
Health Requirements	No impact
Electrical Safety Requirements	No impact
EMC Requirements	Radiated emissions

Yours sincerely

Dirk_Zamow

Digitally signed by Dirk_Zamow
Date: 2025.05.13 11:27:19 +02'00'

By: Dirk Zamow
Title: Grantee Main Contact
Telephone: +49 5121 49 2608
e-mail: dirk.zamow@de.bosch.com

DEKRA Testing and Certification S.A.U. declines any responsibility with respect to the information provided by the client and that may affect the validity of result.

Usage of samples

Samples undergoing test have been selected by: The client.

Id	Control Number	Description	Model	Serial Nº	Date of Reception	Application
S/01	76719D_148.1	Headunit A-PREMIUN USA	BCI3L3N1	CM0206R0016007	2024-10-25	Element Under Test
	76719D_111.1	Harness	---	---	2024-04-19	Auxiliary Element
	76719D_48.1	Farkra-USB adapter cable	---	---	2024-04-17	Auxiliary Element
	76719D_60.1	Termination box	---	---	2024-04-17	Auxiliary Element
	76719D_62.1	DC Block	---	---	2024-04-17	Auxiliary Element
	76719D_64.1	DC Block	---	---	2024-04-17	Auxiliary Element
	76719D_65.1	DC Block	---	---	2024-04-17	Auxiliary Element
	76719D_68.1	DC Block	---	---	2024-04-17	Auxiliary Element
	76719D_84.1	Antenna	A1779052902/002	---	2024-04-17	Auxiliary Element
	76719D_85.1	Antenna	A1779052902/002	---	2024-04-17	Auxiliary Element
	76719D_86.1	Antenna	A1779052902/002	---	2024-04-17	Auxiliary Element
	76719D_93.1	Antenna	A1779052902/002	---	2024-04-17	Auxiliary Element

Id	Type
S/01	Samples used for radiated test A spotcheck has been performed to determine the worst case regarding the vehicular architecture

Test sample description

Ports…… :	**Port name and description**	**Cable**		
		Specified max length [m]	**Attached during test**	**Shielded**
	Main Connector	*2m*	[X]	[ ]
	Fakra Quad Connector AM/FM/DAB *Fakra Single Connector GPS*		[X]	[ ]
	Fakra Quad Connector WLAN/BT		[X]	[ ]
	USB Cable		[X]	[ ]
Supplementary information to the ports…… :	--			

Rated power supply .....:	**Voltage and Frequency**		**Reference poles**				
			L1	**L2**	**L3**	**N**	**PE**
	[ ]	AC:					
	[X]	DC: 9-16V nomimal 12 VDC by vehicle battery					

Rated Power .....:	--	
Clock frequencies.....:	--	
Other parameters .....:	IP20 ; -40C toi +65C	
Software version .....:	E064.4	
Hardware version .....:	D5	
Dimensions in cm (W x H x D) ....:	220mmx161mmx78mm	
Mounting position .....:	[ ]	Table top equipment
	[ ]	Wall/Ceiling mounted equipment
	[ ]	Floor standing equipment
	[ ]	Hand-held equipment
	[X]	Other: Cluster in the car with separate antennas built into the cockpit of vehicle

Modules/parts.....:	**Module/parts of test item**	**Type**	**Manufacturer**
	--		
Accessories (not part of the test item) .....:	**Description**	**Type**	**Manufacturer**
	Antennas		
	Display		
	any other equipment to make device functional		
	Laptop		
Documents as provided by the applicant.....:	**Description**	**File name**	**Issue date**
	--		

Identification of the client

Robert Bosch GmbH

Robert-Bosch-Strasse 200

31139, Hildesheim, Germany

Testing period and place

Test Location	DEKRA Testing and Certification S.A.U.
Date (start)	2025-05-20
Date (finish)	2025-05-21

Document history

Report number	Date	Description
76719RRF.006	2025-06-04	First release.

Environmental conditions

In the control chamber, the following limits were not exceeded during the test:

Temperature	Min. = 15 ºC Max. = 35 ºC
Relative humidity	Min. = 20 % Max. = 75 %

In the semianechoic chamber, the following limits were not exceeded during the test.

Temperature	Min. = 15 ºC Max. = 35 ºC
Relative humidity	Min. = 20 % Max. = 75 %

In the chamber for conducted measurements, the following limits were not exceeded during the test:

Temperature	Min. = 15 ºC Max. = 35 ºC
Relative humidity	Min. = 20 % Max. = 75 %

Remarks and comments

The tests have been performed by the technical personnel: Alvaro Gutierrez.

Used instrumentation:

Control No.	Equipment	Model	Manufacturer	Next Calibration
04825	SEMIANECHOIC ABSORBER LINED CHAMBER	FACT 3 200 STP	ETS LINDGREN	N/A
04826	SHIELDED ROOM	S101	ETS LINDGREN	N/A
07547	TEMPERATURE AND HUMIDITY PROBE	HWg-STE	HW GROUP	2026-04-22
07548	TEMPERATURE AND HUMIDITY PROBE	HWg-STE	HW GROUP	2026-04-22
04578	HYBRID BILOG ANTENNA 30MHz-6GHz	3142E	ETS LINDGREN	2026-06-01
07611	PREAMPLIFIER BOX	--	INTERNAL	2026-01-23
06165	EMI TEST RECEIVER 9kHz-7GHz	ESR7	ROHDE AND SCHWARZ	2025-12-27
04611	HORN ANTENNA 1-18GHz	BBHA 9120 D	SCHWARZBECK MESS-ELEKTRONIK	2026-01-16
05705	PRE-AMPLIFIER G>40dB 1-18 GHz	BLMA 0118-1M	BONN ELEKTRONIK	2025-07-18
04657	HORN ANTENNA 18-40GHz	BBHA 9170	SCHWARZBECK	2026-06-12
10573	PRE-AMPLIFIER G>46dB 18-40 GHz	BLMA 1840-5G	BONN ELEKTRONIK	2026-03-07
04716	SIGNAL AND SPECTRUM ANALYZER 2Hz-50GHz	FSW50	ROHDE AND SCHWARZ	2026-08-02
09762	DC POWER SUPPLY 200V/25A	EA-PSI-9200-25-DT	ELEKTRO-AUTOMATIC	N/A
05850	DIGITAL MULTIMETER	179	FLUKE	2025-11-04
04848	SOFTWARE FOR EMC/RF TESTING	EMC32	ROHDE AND SCHWARZ	N/A
06793	SHIELDED ROOM	S101	ETS LINDGREN	N/A
06611	TEMPERATURE AND HUMIDITY PROBE	HWg-STE	HW GROUP	2026-04-21
04716	SIGNAL AND SPECTRUM ANALYZER 2Hz-50GHz	FSW50	ROHDE AND SCHWARZ	2026-08-02
00915	SIGNAL GENERATOR 10MHZ-18GHZ	SWM05	ROHDE AND SCHWARZ	2026-12-04
08002	TEMPERATURE CHAMBER MK56 BINDER	MK 56	BINDER	2026-02-12
07798	WMS32	WMS32	ROHDE AND SCHWARZ	N/A
00922	POWER SUPPLY DC 40 V / 40 A	NGPE 40/40	ROHDE AND SCHWARZ	2027-10-02

Control No.	Equipment	Model	Manufacturer	Next Calibration
07758	DIGITAL MULTIMETER	175	FLUKE	2025-11-07

Testing verdicts

Not applicable:	N/A
Pass:	P
Fail:	F
Not measured:	N/M

Summary

FCC PART 15 PARAGRAPH Requirement – Test case	Verdict	Remark
FCC 15.31 (h), 15.209 (a), 15.247 (d), 15.407 (b) - Emission limitations radiated (Transmitter)	P	(1)
Supplementary information and remarks: (1) Only simultaneous transmission radiated spurious emission test was requested.		

Appendix A: Tests results.

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FCC 15.31 (h), 15.209 (a), 15.247 (d), 15.407 (b) Emission limitations radiated (Transmitter) 18

TEST CONDITIONS

(*) Declared by the Client.

POWER SUPPLY (*):

Vnominal:	12 Vdc
Type of Power Supply:	Battery.

ANTENNA (*):

Technologies	Antenna Gain	Type of Antenna
BT EDR (Port 3)	0.1 dBi	External
BT LE (Port 3)	0.1 dBi	External
WLAN 2.4 GHz (Port 4)	0.1 dBi	External
WLAN 5 GHz (Port 3)	5.1 dBi	External
WLAN 5 GHz (Port 4)	5.1 dBi	External

RADIOS AND CHANNELS TESTED (worst-cases):

* Simultaneous Transmission Bluetooth LE, WLAN 2.4 GHz (SISO), WLAN 5 GHz (band U-NII-1 MIMO, band U-NII-3 MIMO):

	Bluetooth LE / DTS	
Mode:	Low Energy 1 Mbps	
Channel Spacing:	2 MHz	
Frequency Range:	2402 MHz to 2480 MHz	
Transmit Channels	Channel	Channel Frequency (MHz)
	Low	2402

	WLAN 2.4 GHz (IEEE 802.11 b/g/n20/ax20) / DTS	
Mode:	802.11 b20	
Channel Spacing:	20 MHz	
Frequency Range:	2402 MHz to 2480 MHz	
Transmit Channels	Channel	Channel Frequency (MHz)
	Low	2412

	WLAN 5 GHz (IEEE 802.11 a20/n2040/ac204080/ax204080) / U-NII-1 WLAN 5 GHz (IEEE 802.11 a20/n2040/ac204080/ax204080) / U-NII-3	
Mode:	802.11 ac40: index MSC0. MIMO.	
Frequency Range:	5150 MHz to 5250 MHz	
Channel Spacing:	40 MHz	
Transmit Channels	Channel	Channel Frequency (MHz)
	High	5230

The test set-up was made in accordance to the general provisions of FCC DTS Measurement 558074 D01 DTS Meas Guidance v05r2 dated April 2, 2019 and FCC Unlicensed National Information Infrastructure (U-NII) Devices 789033 D02 General U-NII Test Procedures New Rules v02r01 dated Dec 14, 2017.

The EUT was tested in the following operating mode:

- Continuous transmission with a modulated carrier at maximum power in all required channels selecting the supported data rates/modulations types.

During transmitter test the EUT was being controlled by the SW tool to operate in a continuous transmit mode on the test channel as required and in each of the different modulation modes.

Selected Transmission Mode for each Radio:

The following configurations were selected based on preliminary testing that identified those corresponding to the worst-cases:

* Bluetooth LE: Transmitter radiated spurious emissions tests were performed with the EUT transmitting in BT Low Energy mode configuration as this mode was found as the worst-case for conducted output power tests of all Bluetooth modes.

* WLAN 2.4 GHz: Transmitter radiated spurious emissions tests were performed with the EUT transmitting in 802.11 b / 20 mode configuration as this mode was found as the worst-case for conducted output power tests than all the other WLAN 2.4 GHz modes.

* WLAN 5 GHz band U-NII-1: Transmitter radiated spurious emissions tests were performed with the EUT transmitting in 802.11 ac / 40 / MCS0 mode configuration as this mode was found as the worst-case for conducted output power tests than all the other WLAN 5 GHz band U-NII-1 and U-NII-3 modes.

TESTED SIMULTANEOUS TRANSMISSION MODES:

The EUT was configured to simultaneously transmit the following signals at maximum output power:

- **Operation Mode 1: Simultaneous transmission mode BT LE, WLAN 5 GHz U-NII-1:**

BT LE:	Low Channel (2402MHz). 1M.
WLAN 5 GHz U-NII-1:	High Channel (5230 MHz). MIMO 2x2 802.11 AC40. BW: 40 MHz.

- **Operation Mode 2: Simultaneous transmission mode WLAN 2.4 GHz, WLAN 5 GHz U-NII-1:**

WLAN 2.4 GHz:	Low Channel (2412 MHz). SISO 802.11 B. BW: 20 MHz
WLAN 5 GHz U-NII-1:	High Channel (5230 MHz). MIMO 2x2 802.11 AC40. BW: 40 MHz.

- **Operation Mode 3: Simultaneous transmission mode BT LE, WLAN 2.4 GHz :**

BT LE:	Low Channel (2402MHz). 1M.
WLAN 2.4 GHz:	Low Channel (2412 MHz). SISO 802.11 B. BW: 20 MHz

FCC 15.31 (h), 15.209 (a), 15.247 (d), 15.407 (b)
Emission limitations radiated (Transmitter)

SPECIFICATION:

Radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)):

Frequency Range (MHz)	Field strength (µV/m)	Field strength (dBµV/m)	Measurement distance (m)
0.009-0.490	2400/F(kHz)	-	300
0.490-1.705	24000/F(kHz)	-	30
1.705 - 30.0	30	-	30
30 - 88	100	40	3
88 - 216	150	43.5	3
216 - 960	200	46	3
960 - 25000	500	54	3

The emission limits shown in the above table are based on measurements employing CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

For average radiated emission measurements above 1000 MHz, there is also a limit specified when measuring with peak detector function corresponding to 20 dB above the indicated values in the table above.

For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of -27 dBm/MHz (68.23 dBµV/m at 3 m distance) at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

RSS-247. Attenuation below the general field strength limits specified in RSS-Gen is not required.

Method:

The measurement was performed with the EUT inside a semi-anechoic chamber.

The spectrum was scanned from 30 MHz to at least the 10th harmonic of the highest frequency of the co-located radios up to 40 GHz.

The EUT was placed on a non-conductive stand at a 3-meter distance from the measuring antenna for measurements up to 17 GHz and at 1.5-meter distance for measurements above 17 GHz.

Detected emissions were maximized at each frequency by rotating the EUT and adjusting the measuring antenna height and polarization. The maximum meter reading was recorded. Measurements were made in both horizontal and vertical planes of polarization.

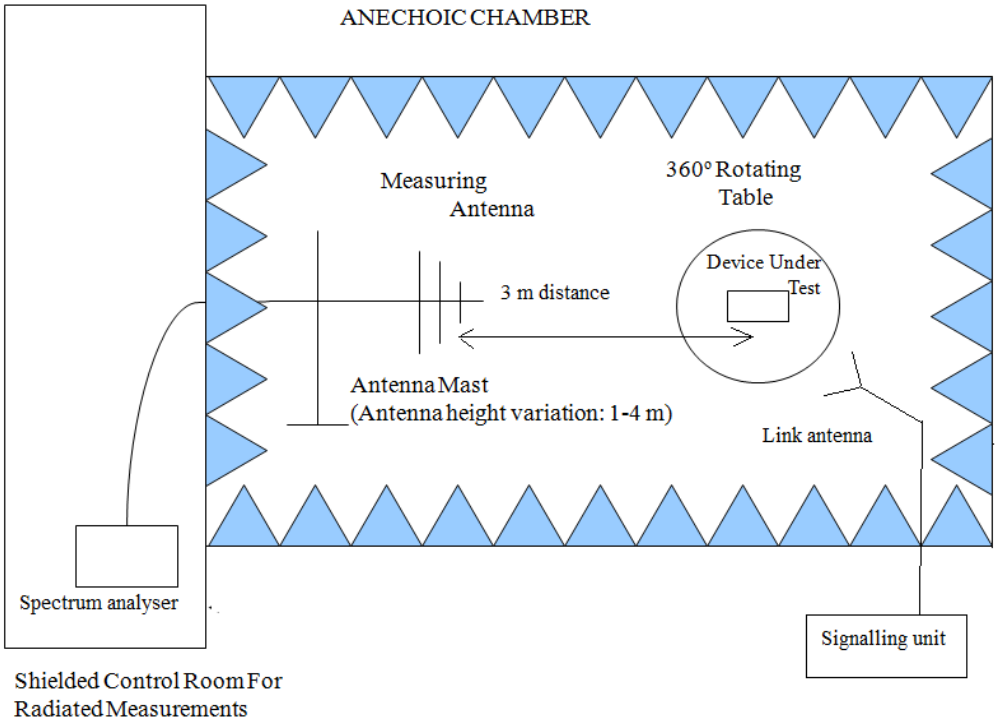
The field strength is calculated by adding correction factor to the measured level from the spectrum analyzer. This correction factor includes antenna factor, cable loss and pre-amplifiers gain.

For radiated measurements above 17 GHz performed at a distance closer than the distance specified in standard, an inverse proportionality factor of 20 dB per decade is used to normalize the measured data for determining compliance.

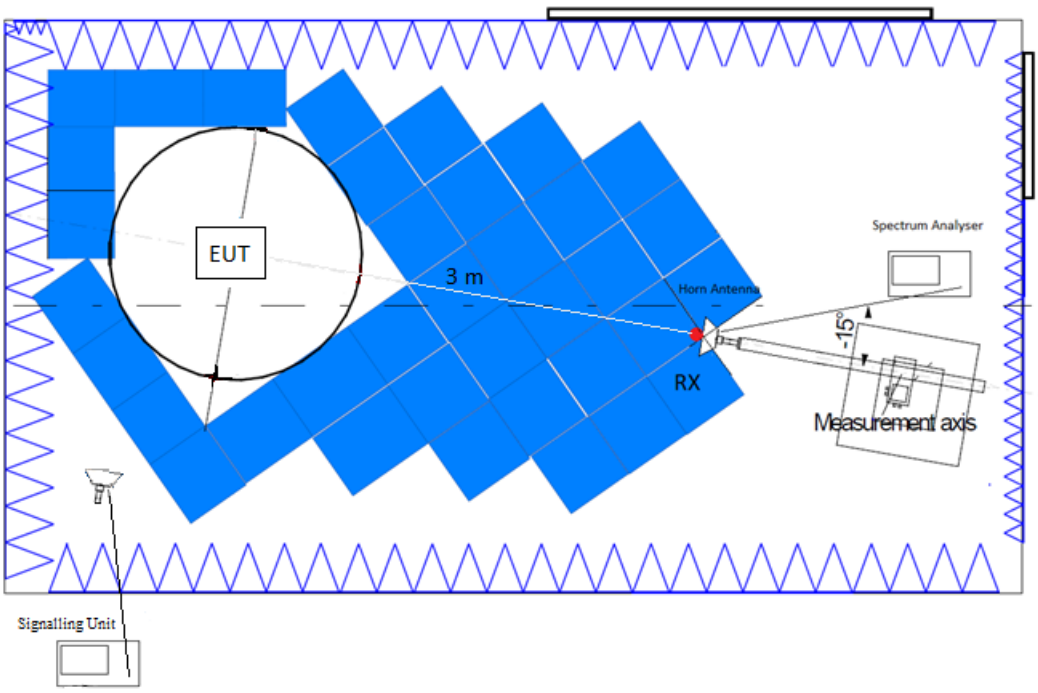
These measurements have been performed in order to check the impact of the Co-Location of all radio interfaces (that can transmit simultaneously).

Test setup:

Radiated measurements below 1 GHz.



Radiated measurements between 1 GHz and 17 GHz.



Results:

- **Operation Mode 1**

Start frequency: no radiofrequency signal generated in the device found below 10th sub-harmonic, no further investigation required.
Stop frequency: it has been performed the radiated spurious emissions until 10th harmonic.

Frequency range 30 MHz - 1 GHz

Spurious frequencies detected at less than 20 dB below the limit:

Frequency (MHz)	QuasiPeak (dBµV/m)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Pol
33.970938	24.54	---	40.00	V
33.970938	---	28.17	---	V
40.730625	26.39	---	40.00	V
40.730625	---	28.81	---	V
43.458750	20.27	---	40.00	V
43.458750	---	23.98	---	V

Frequency range 1 - 40 GHz

No spurious frequencies at less than 20 dB below the limit.

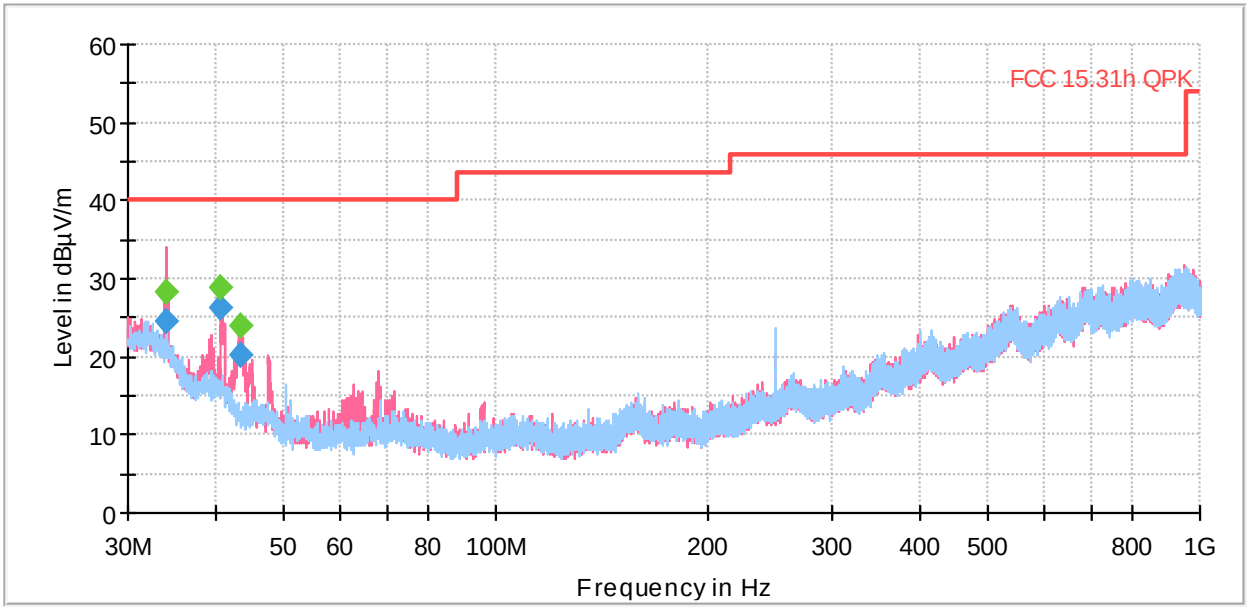
Verdict

Pass

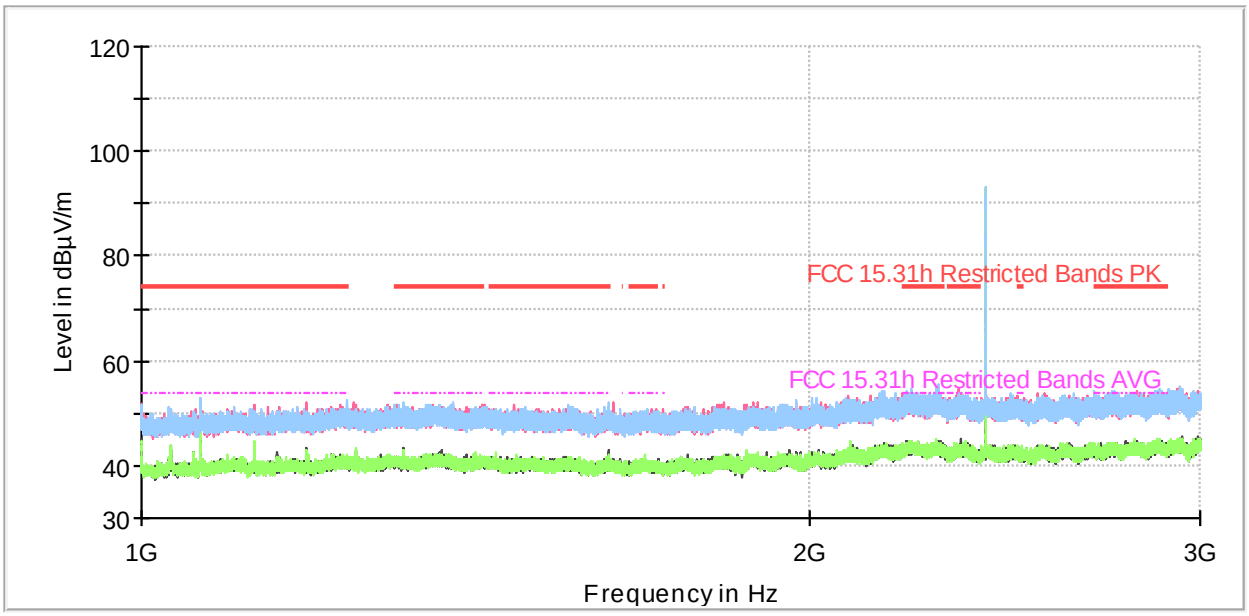
Spectrum analyser parameters:

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
30 MHz - 1 GHz	30,312 kHz	PK+	100 kHz	1 s	0 dB
1 GHz - 3 GHz	30,769 kHz	PK+ ; AVG	1 MHz	1 s	0 dB
3 GHz – 6.5 GHz	100 kHz	PK+ ; AVG	1 MHz	1s	0 dB
6.5 GHz - 17 GHz	105 kHz	PK+ ; AVG	1 MHz	1 s	0 dB
17 GHz - 40 GHz	766.667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

FREQUENCY RANGE 30 MHz - 1 GHz



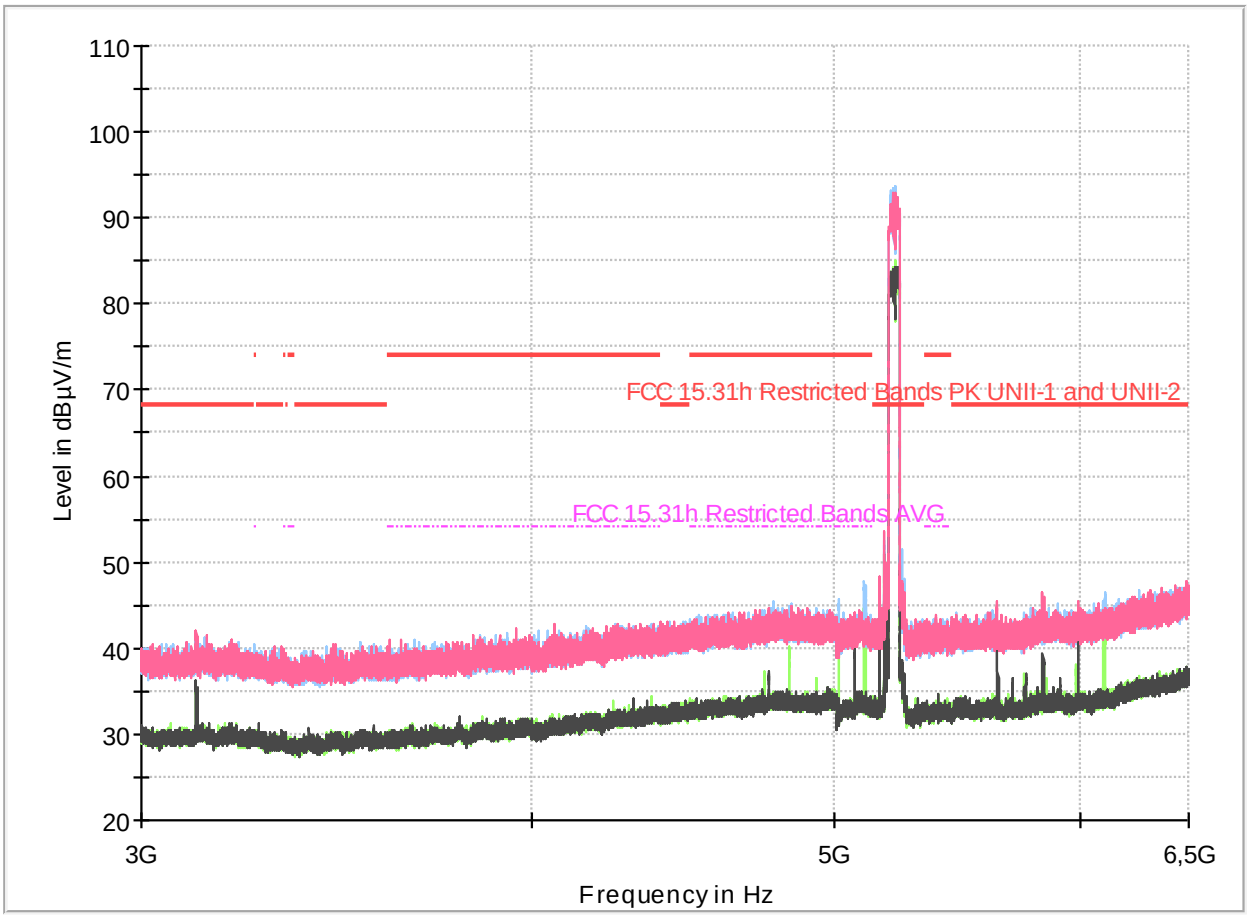
FREQUENCY RANGE 1 - 3 GHz



The peaks above the limit are the BT LE carrier frequency (2402 MHz).

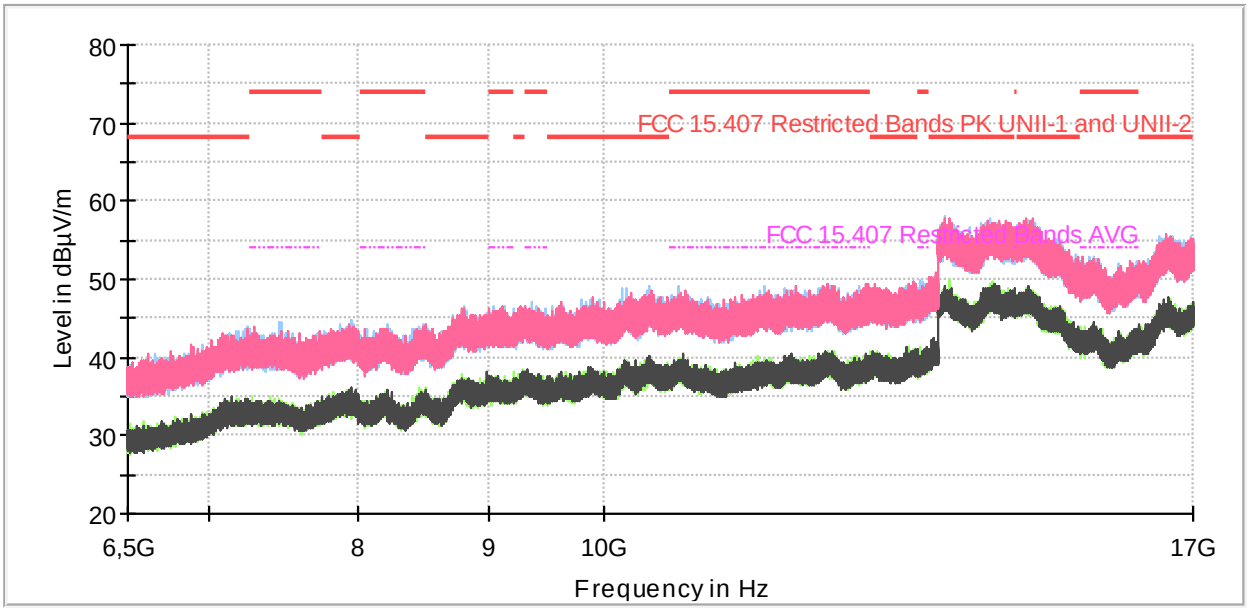
FREQUENCY RANGE 3 – 6.5 GHz

Full Spectrum

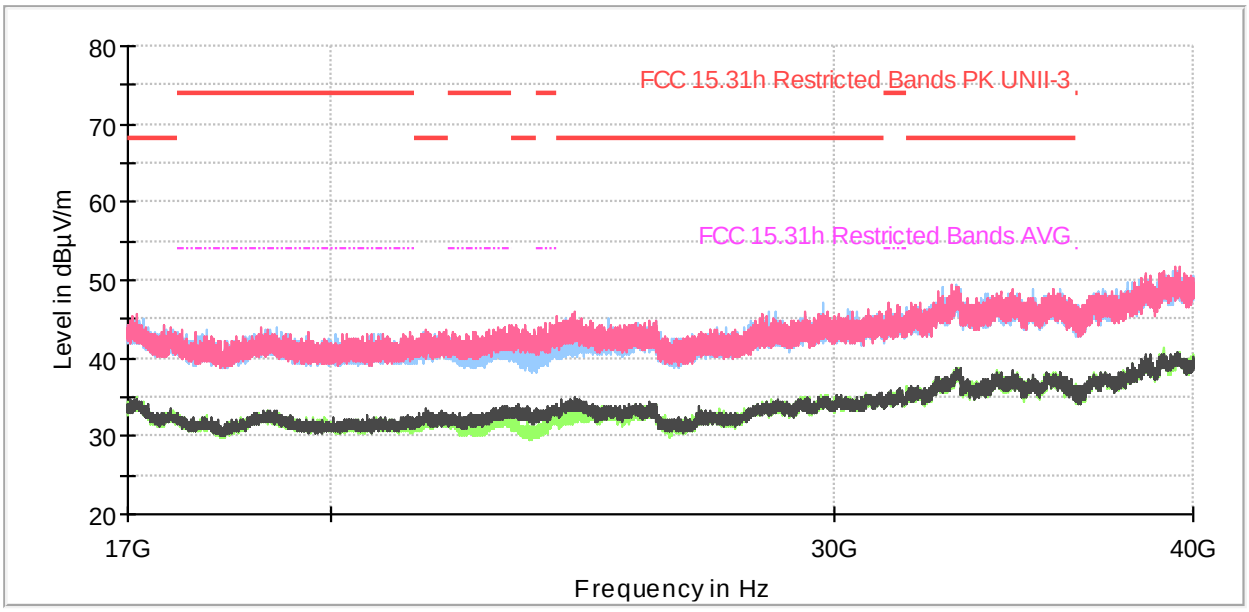


The peak above the limit is the WLAN 5 GHz carrier frequency (5230 MHz).

FREQUENCY RANGE 6.5 GHz – 17 GHz



FREQUENCY RANGE 17 GHz – 40 GHz



- **Operation Mode 2**

Start frequency: no radiofrequency signal generated in the device found below 10th sub-harmonic, no further investigation required.
Stop frequency: it has been performed the radiated spurious emissions until 10th harmonic.

Frequency range 30 MHz - 1 GHz

Spurious frequencies detected at less than 20 dB below the limit:

Frequency (MHz)	QuasiPeak (dBµV/m)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Pol
34.001250	21.74	---	40.00	V
34.001250	---	26.37	---	V
40.791250	26.08	---	40.00	V
40.791250	---	30.94	---	V
47.793438	---	32.34	---	V
47.793438	26.99	---	40.00	V
54.280313	26.39	---	40.00	V
54.280313	---	30.53	---	V
85.138438	---	21.56	---	V
85.138438	17.80	---	40.00	V

Frequency range 1 - 40 GHz

No spurious frequencies at less than 20 dB below the limit.

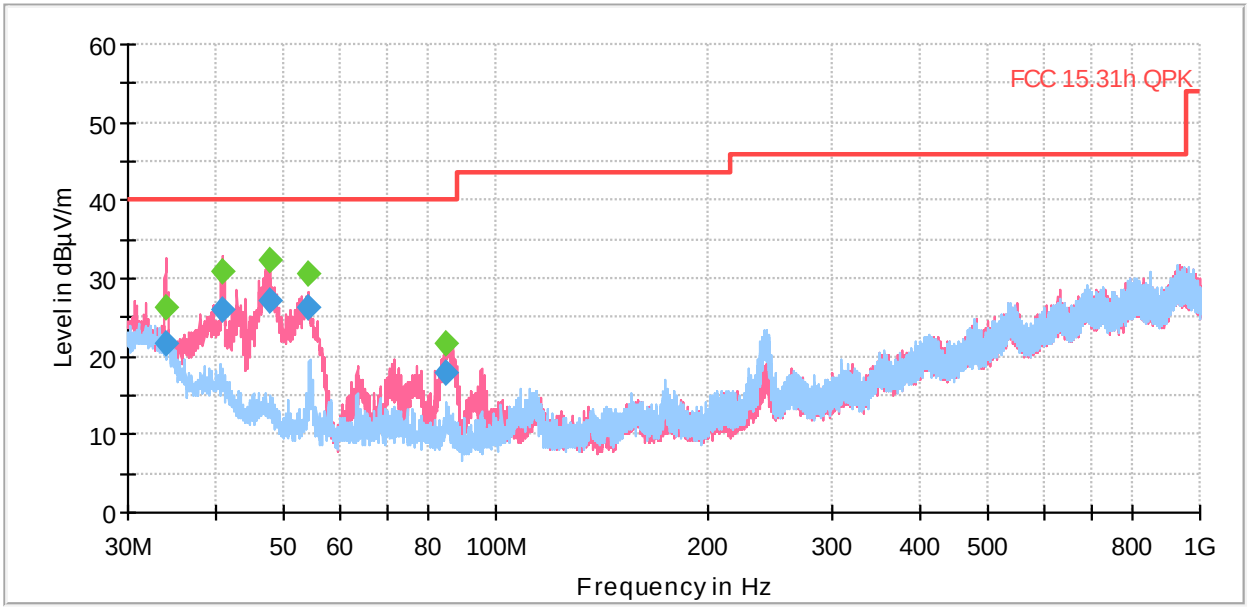
Verdict

Pass

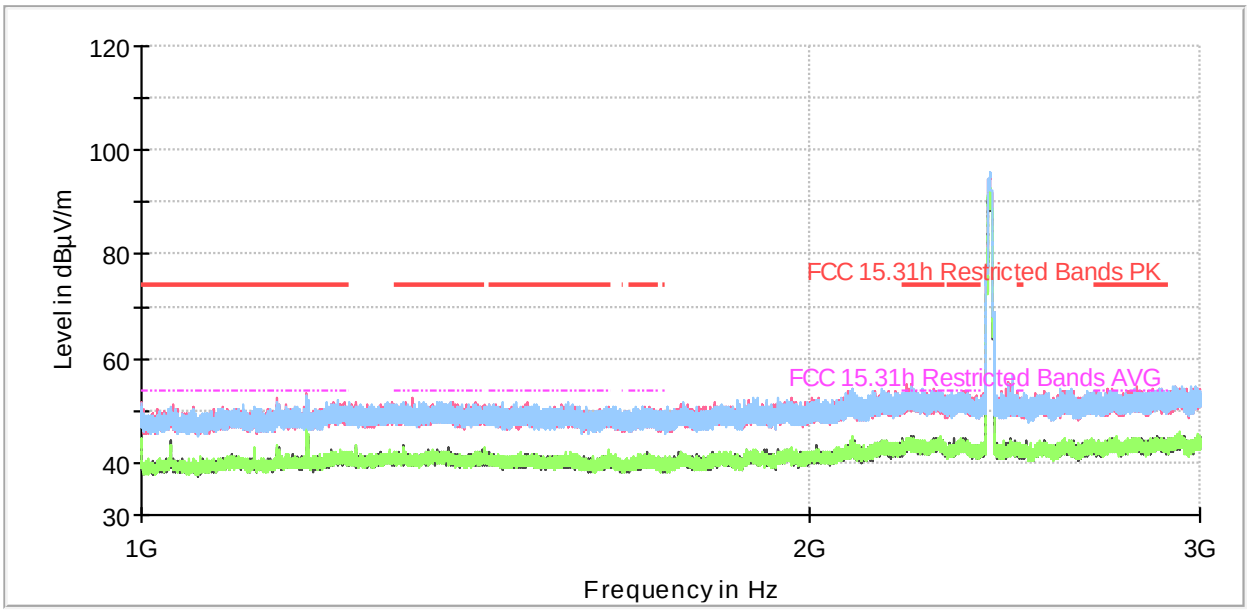
Spectrum analyser parameters:

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
30 MHz - 1 GHz	30,312 kHz	PK+	100 kHz	1 s	0 dB
1 GHz - 3 GHz	30,769 kHz	PK+ ; AVG	1 MHz	1 s	0 dB
3 GHz – 6.5 GHz	100 kHz	PK+ ; AVG	1 MHz	1s	0 dB
6.5 GHz - 17 GHz	100 kHz	PK+ ; AVG	1 MHz	1 s	0 dB
17 GHz - 40 GHz	766.667 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

FREQUENCY RANGE 30 MHz - 1 GHz



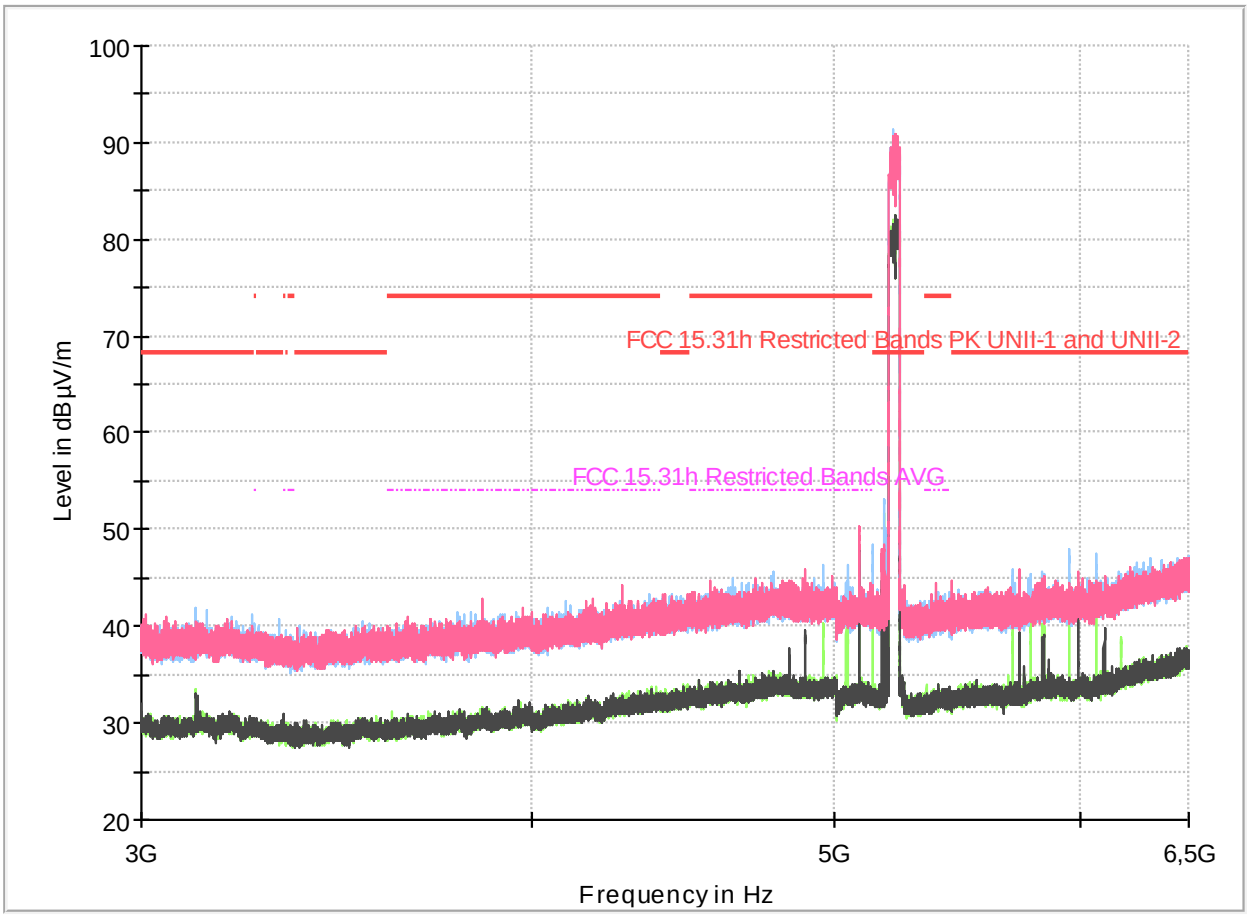
FREQUENCY RANGE 1 - 3 GHz



The peaks above the limit is the 802.11b carrier frequency (2412 MHz).

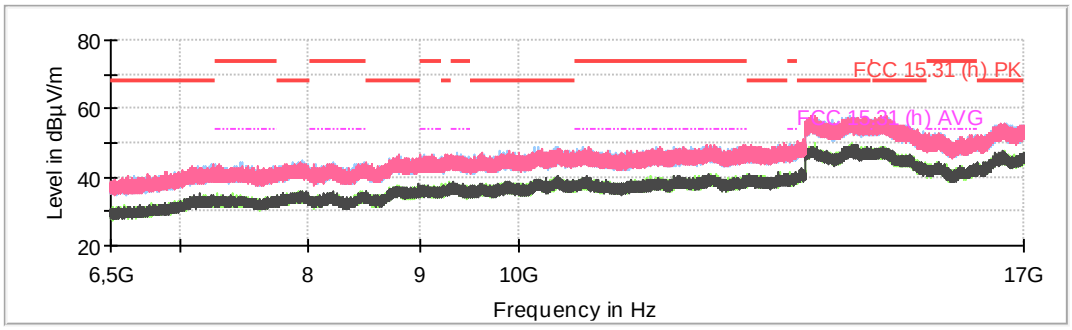
FREQUENCY RANGE 3 – 6.5 GHz

Full Spectrum

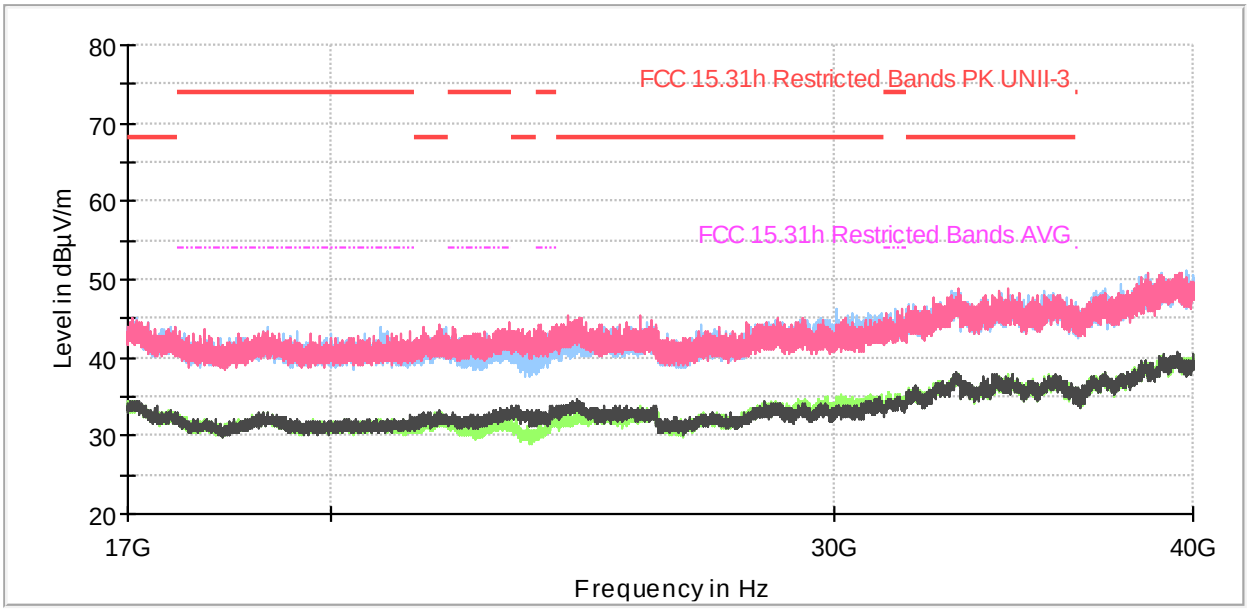


The peak above the limit is the WLAN 5 GHz carrier frequency (5230 MHz).

FREQUENCY RANGE 6.5 GHz – 17 GHz



FREQUENCY RANGE 17 GHz – 40 GHz



- **Operation Mode 3**

Start frequency: no radiofrequency signal generated in the device found below 10th sub-harmonic, no further investigation required.
Stop frequency: it has been performed the radiated spurious emissions until 10th harmonic.

Frequency range 30 MHz - 1 GHz

Spurious frequencies detected at less than 20 dB below the limit:

Frequency (MHz)	QuasiPeak (dBµV/m)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Pol
30.454688	18.99	---	40.00	V
30.454688	---	24.22	---	V
33.940625	---	28.34	---	V
33.940625	25.24	---	40.00	V
40.760938	21.65	---	40.00	V
40.760938	---	25.07	---	V
43.398125	23.80	---	40.00	V
43.398125	---	26.72	---	V
47.550938	18.40	---	40.00	V
47.550938	---	21.74	---	V

Frequency range 1 - 40 GHz

No spurious frequencies at less than 20 dB below the limit.

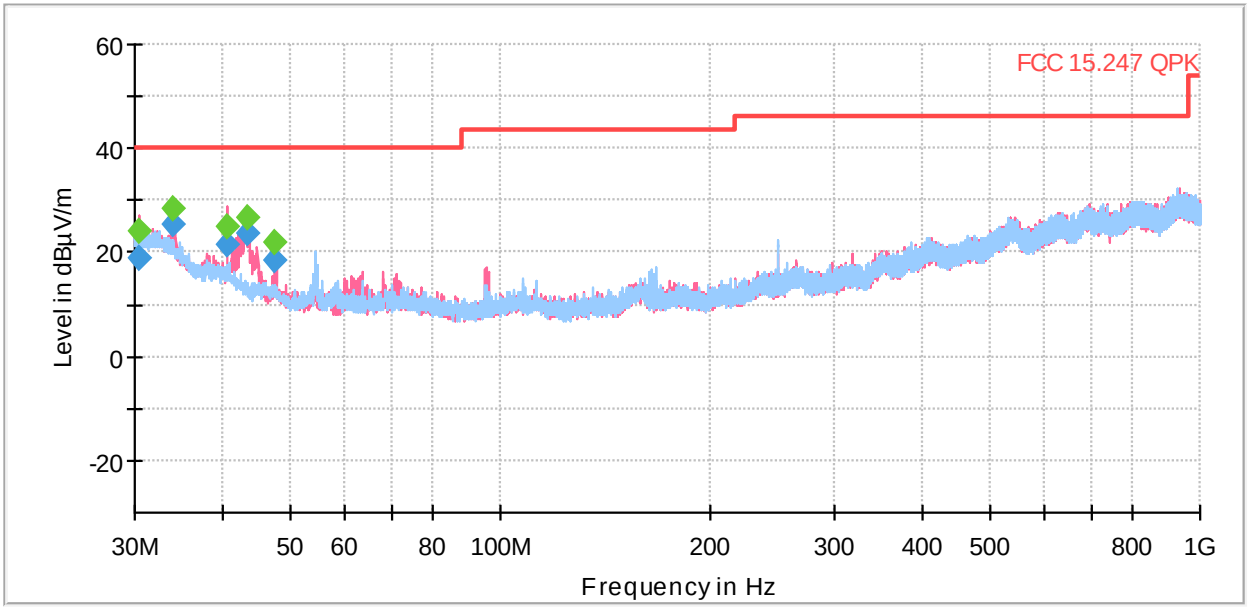
Verdict

Pass

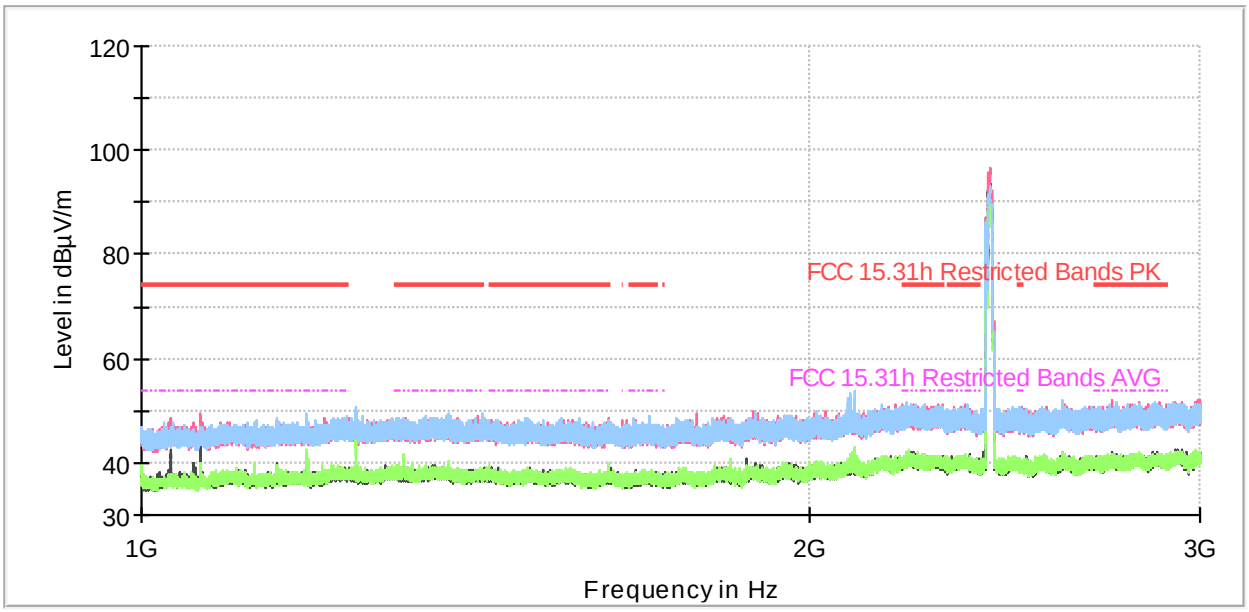
Spectrum analyser parameters:

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
30 MHz - 1 GHz	30,312 kHz	PK+	100 kHz	1 s	0 dB
1 GHz - 3 GHz	30,769 kHz	PK+ ; AVG	1 MHz	1 s	0 dB
3 GHz – 17 GHz	140 kHz	PK+ ; AVG	1 MHz	1s	0 dB
17 GHz - 26 GHz	300 kHz	PK+ ; AVG	1 MHz	1 s	0 dB

FREQUENCY RANGE 30 MHz - 1 GHz

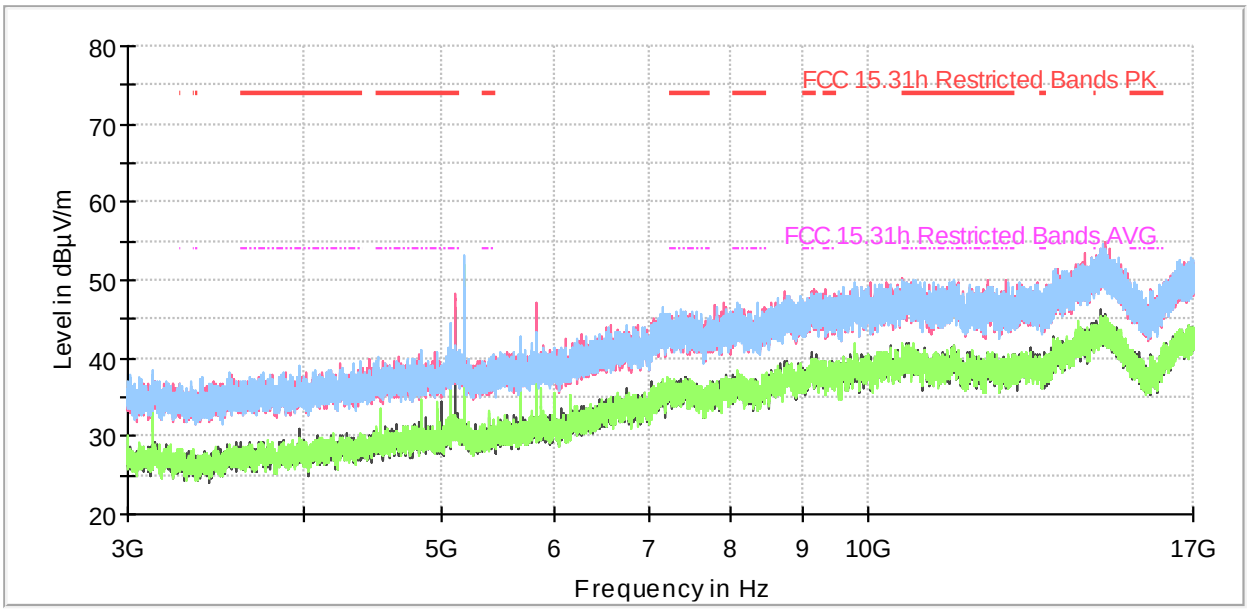
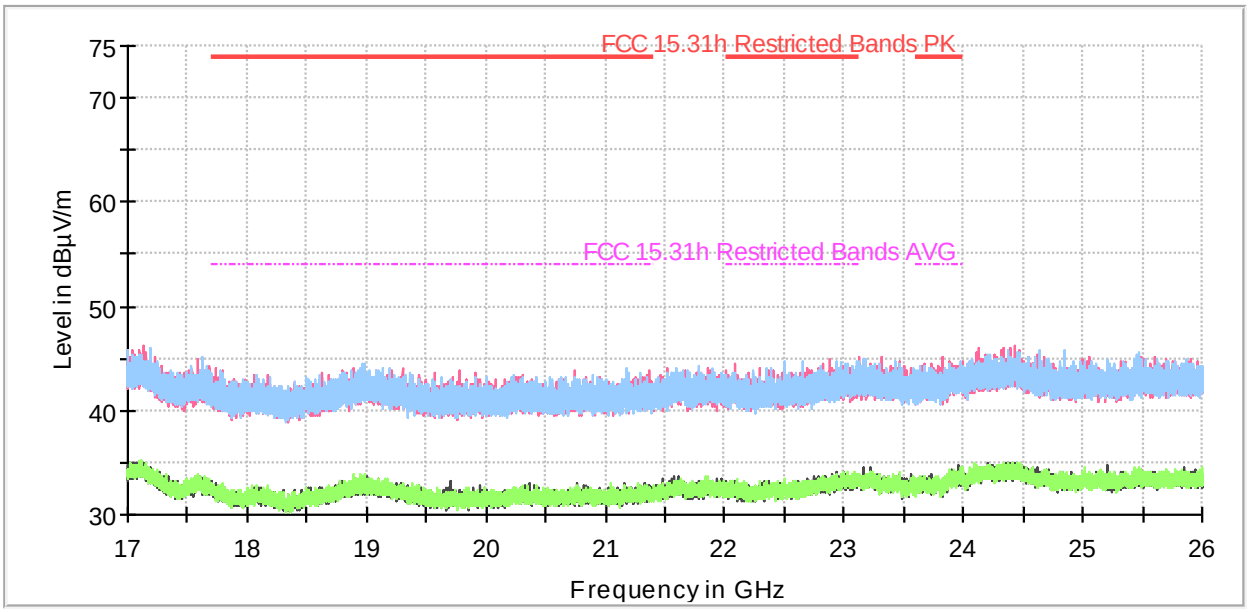


FREQUENCY RANGE 1 - 3 GHz



The peaks above the limit is the 802.11b carrier frequency (2412 MHz) and BTLE carrier frequency (2402 MHz).

FREQUENCY RANGE 3 – 17 GHz



FREQUENCY RANGE 17 GHz – 26 GHz