FCC TEST REPORT

Co-Location

Report Reference No	G0M-2104-9762-TFCCOLOC-V01
Testing Laboratory	Eurofins Product Service GmbH
Address	Storkower Str. 38c 15526 Reichenwalde Germany
Accreditation	DAkkS - Registration number : D-PL-12092-01-03 (ISED) ISED Testing Laboratory site: 3470A DAkkS - Registration number : D-PL-12092-01-04 (FCC) FCC Filed Test Laboratory, Reg.-No.: 96970
Applicant	Webfleet Solutions B.V.
Address	De Ruijterkade 154 1011 AC Amsterdam Netherlands
Test Specification	47 CFR Part 22H, 47 CFR Part 24E RSS-132, Issue 3: 2013-01, RSS-133, Issue 6:2013-01 47 CFR Part 15C RSS-247, Issue 2, 2017-02
Non-Standard Test Method	None
Equipment under Test (EUT):	
Product Description	Telematic Device with GSM+LTE+GNSS+OBD connector
Model(s)	L0240
Additional Model(s)	None
Brand Name(s)	LINK 240
Hardware Version(s)	48/2019
Software Version(s)	2.1
FCC ID	2AGPAL0240
IC	-/-
Contains FCC ID	-/-
Contains IC	-/-
Test Result	**PASSED**

Possible test case verdicts:		
Required by standard but not tested	N/T	
Not required by standard	N/R	
Not applicable to EUT	N/A	
Test object does meet the requirement	P(PASS)	
Test object does not meet the requirement	F(FAIL)	
Testing:		
Test Lab Temperature	20 °C - 30 °C	
Test Lab Humidity	25 % - 55 %	
Date of receipt of test item	2021-10-07	
Report:		
Compiled by	Florian Voigt	
Tested by (+ signature) (Responsible for Test)	Florian Voigt supervised by Burkhard Pudell	F. Voigt B. Pudell .....
Approved by (+ signature) (Deputy Head of Lab)	Toralf Jahn	T. J .....
Date of Issue	2021-10-07	
Total number of pages	42	
General Remarks:		
The test results presented in this report relate only to the object tested. **The results contained in this report reflect the results for this particular model and serial number. It is the responsibility of the manufacturer to ensure that all production models meet the intent of the requirements detailed within this report.** This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.		
Additional Comments:		

VERSION HISTORY

Version History			
Version	Issue Date	Remarks	Revised By
01	2021-10-07	Initial Release	

ABBREVIATIONS AND ACRONYMS

Acronyms	
Acronym	Description
EUT	Equipment Under Test
FCC	Federal Communications Commission
ISED	Innovation, Science and Economic Development Canada
RBW	Resolution bandwidth
RMS	Root mean square
VBW	Video bandwidth
V_{NOM}	Nominal supply voltage

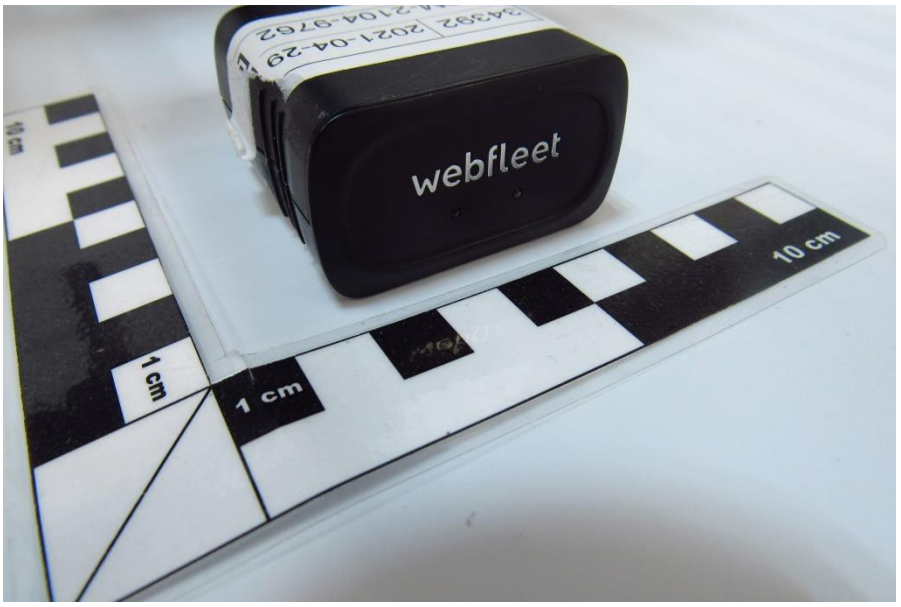
REPORT INDEX

1 Equipment (Test Item) Under Test

Description	Telematic Device with GSM+LTE+GNSS+OBD connector	
Model	L0240	
Additional Model(s)	None	
Brand Name(s)	LINK 240	
Serial Number(s)	WX4160100027	
Test Sample Id(s)	34392	
Hardware Version(s)	48/2019	
Software Version(s)	2.1	
PMN	-/-	
HVIN	-/-	
FVIN	-/-	
HMN	-/-	
FCC ID	2AGPAL0240	
IC	-/-	
Contains FCC ID	-/-	
Contains IC	-/-	
Equipment type	End Product	
Radio type	Transceiver	
Assigned frequency bands	LTE FDD2 : UL = 1850 - 1910 MHz, DL = 1930 - 1990 MHz LTE FDD4 : UL = 1710 - 1755 MHz, DL = 2110 - 2155 MHz LTE FDD12 : UL = 699 - 716 MHz, DL = 729 - 746 MHz LTE FDD13 : UL = 777 - 787 MHz, DL = 746 - 756 MHz GSM 850 : UL = 824 - 849 MHz DL = 869 – 894 MHz GSM 1900 : UL = 1850 – 1910 MHz DL = 1930 – 1990 MHz Bluetooth : 2400.0 MHz - 2483.5 MHz	
Radio technologies	GSM + LTE + Bluetooth BR/EDR	
Operating modes	GSM850 / GMSK + DH5 Single, GSM1900 / GMSK + DH5 Single	
Modulation	GMSK, FSK	
Number of modules	1	
Radio Module (GSM/LTE)	Type	NB-IoT, LTE-CatM1, GSM radio module
	Model	EXS82
	Manufacturer	Gematlo (Thales)
	HW Version	A100
	SW Version	01.000
	FCC-ID	QIPEXS82-W
	IC	7830A-EXS82W
Antenna (GSM/LTE)	Type	Integrated antenna
	Model	PCS.43.A
	Manufacturer	Taoglas
	Gain	-3.2
Antenna (Bluetooth BR/EDR)	Type	Integrated antenna
	Model	ALA621C4
	Manufacturer	Amotec
	Gain	0 dBi
Supply Voltage	V_{NOM}	12/24 VDC
AC/DC-Adaptor	None	
Manufacturer	Webfleet Solutions B.V. De Ruijterkade 154 1011 AC Amsterdam Netherlands	

1.1 Photos – Equipment External

EUT perspective view A

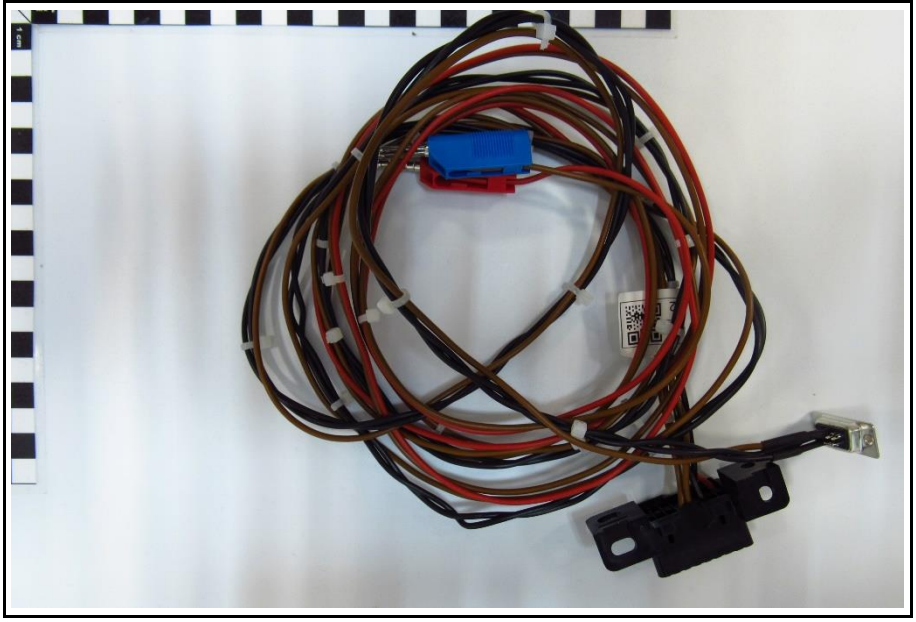

EUT perspective view B


EUT front side view


EUT back side view


EUT top view

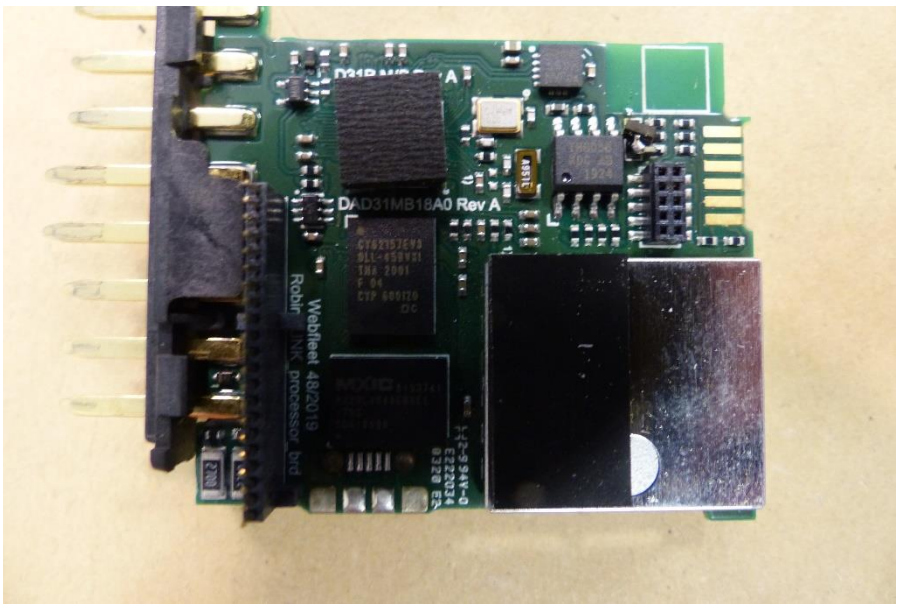

EUT bottom view

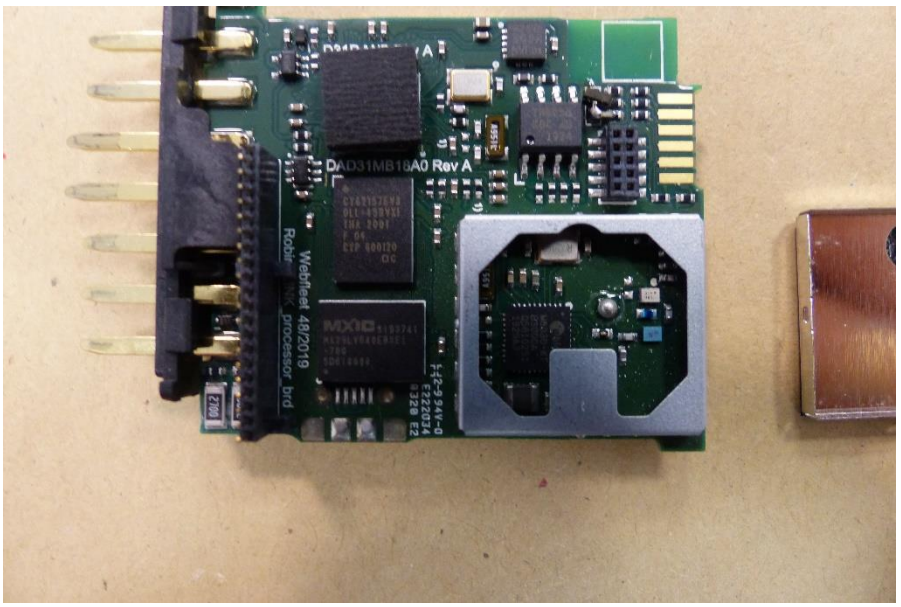

AE OBD2 cables


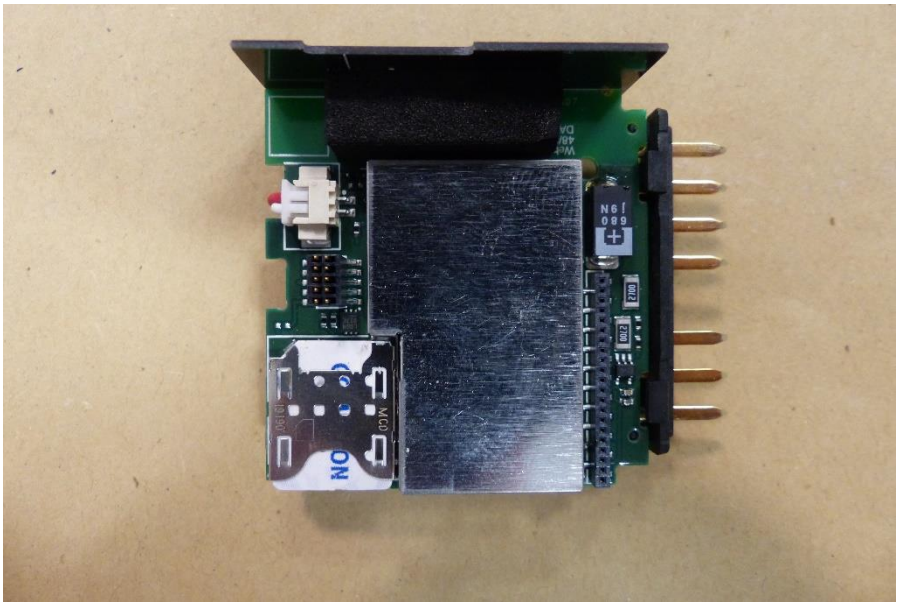
1.2 Photos – Equipment Internal

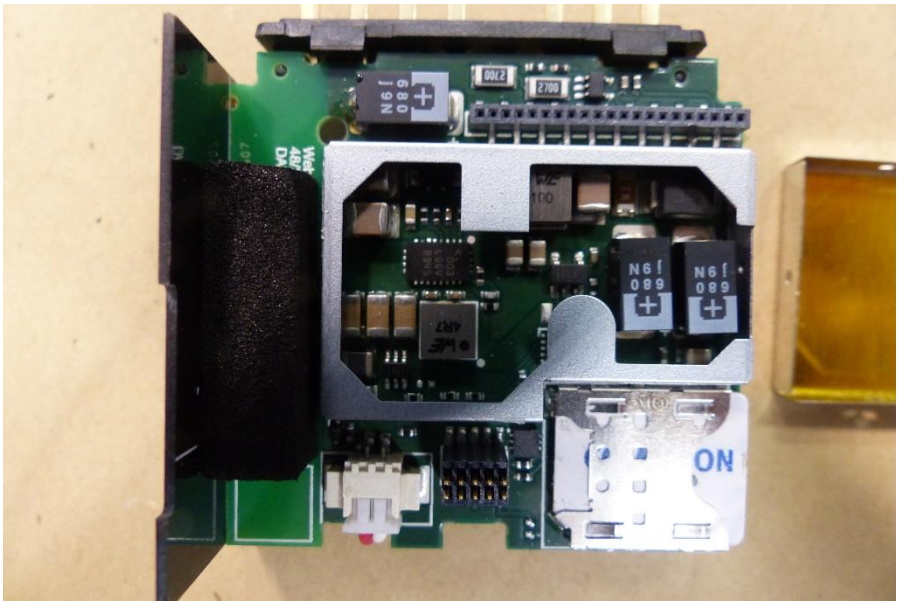
Interior view A


Interior view B

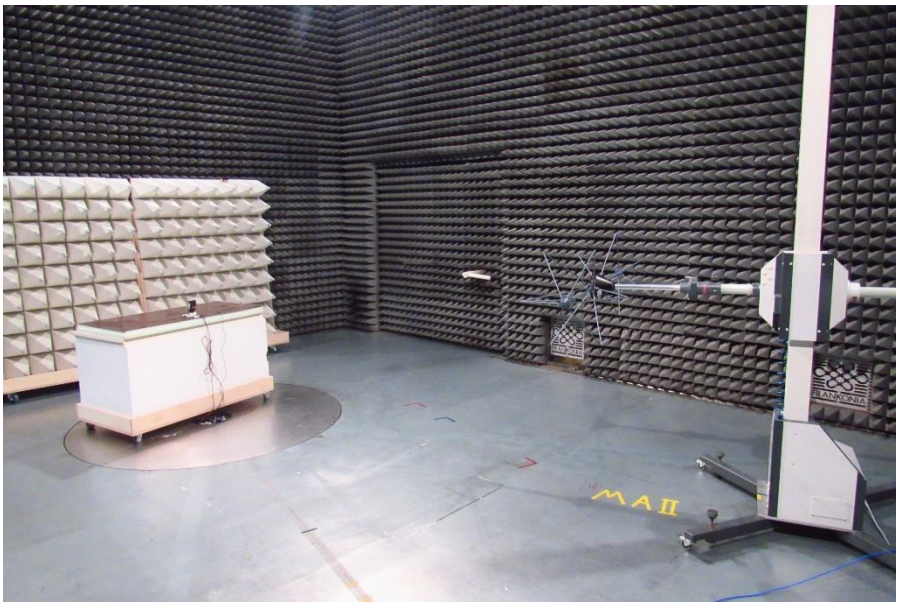

Interior view C


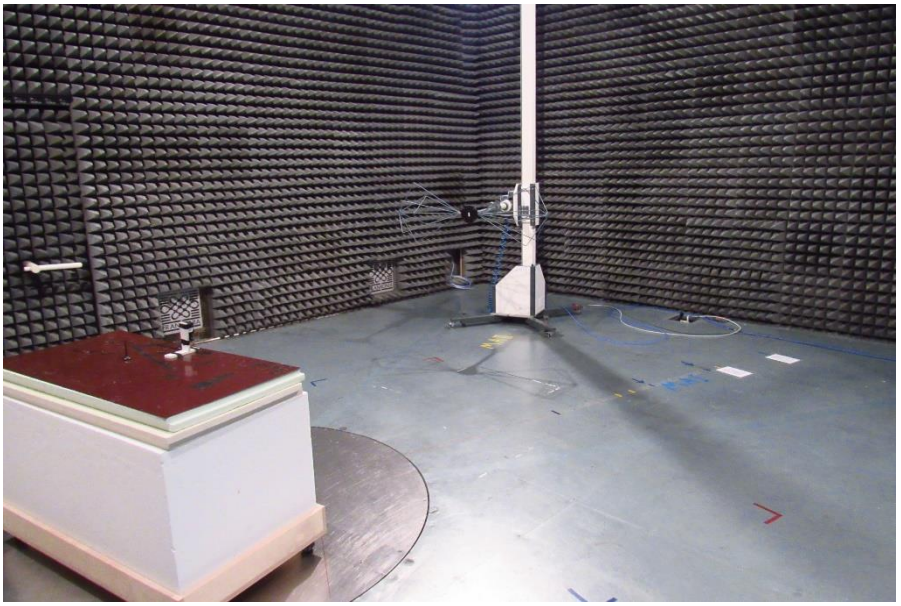
Interior view D


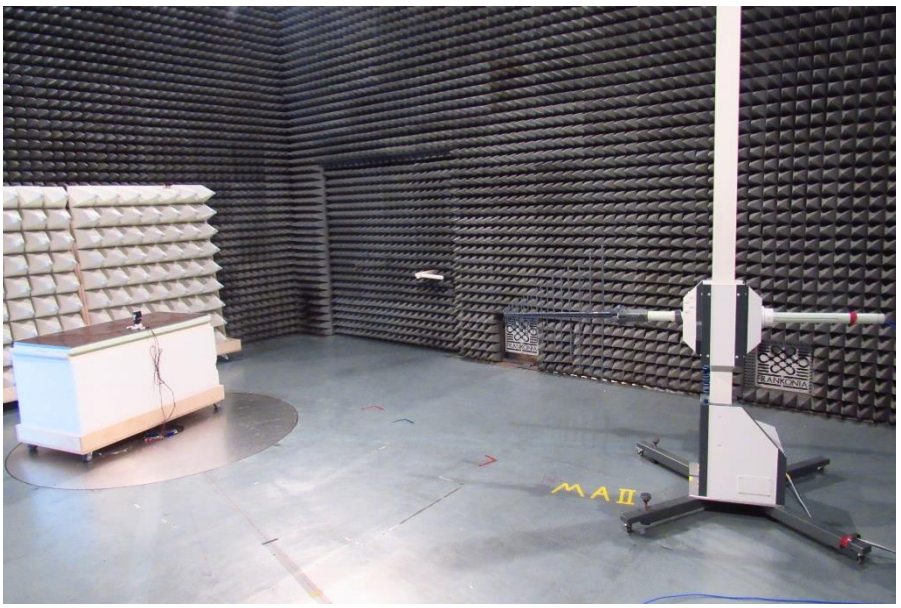
Interior view E


Interior view F


1.3 Photos – Test Setup

Setup 30 to 200 MHz final measurements A


Setup 30 to 200 MHz final measurements B


Setup 200 to 1000 MHz final measurements A


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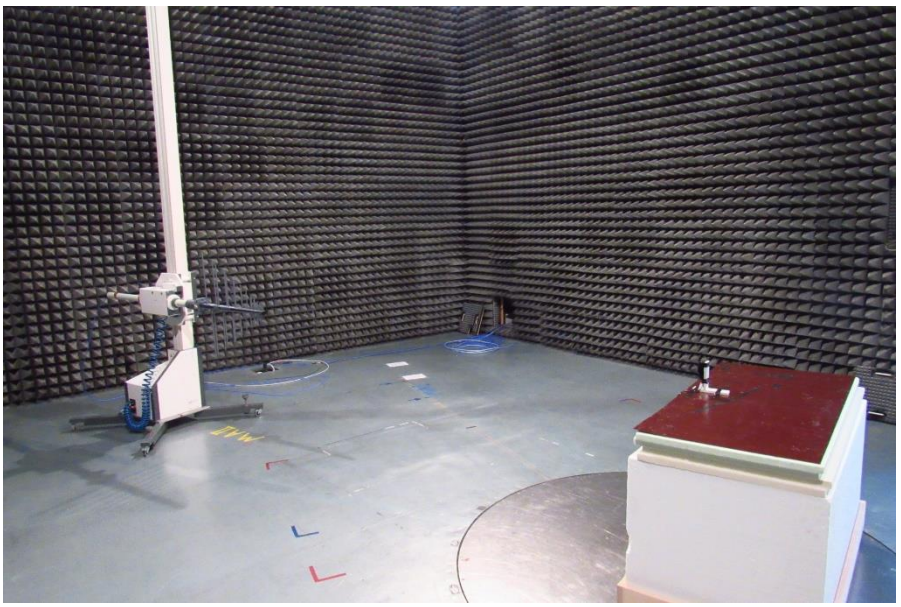
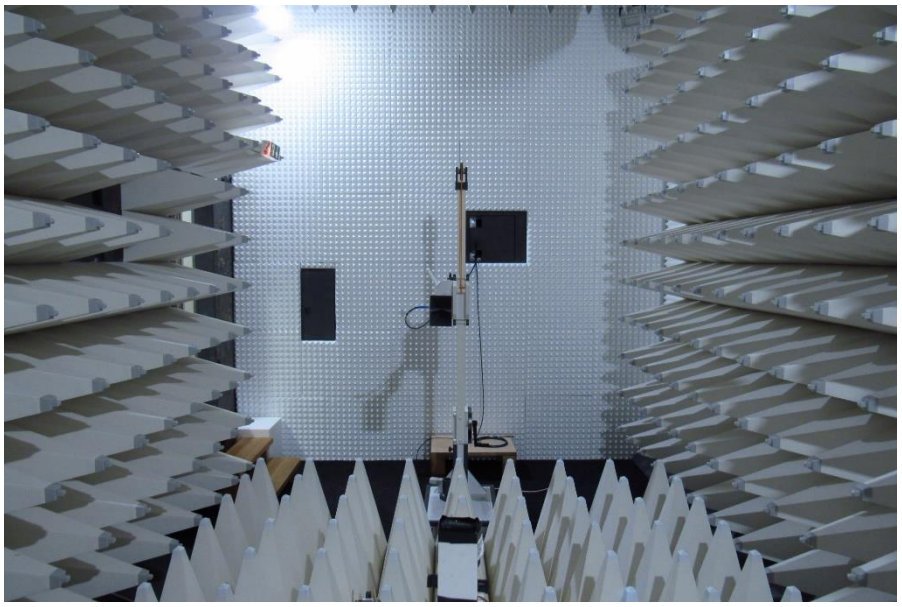


Setup 1 to 8 GHz pre measurements A


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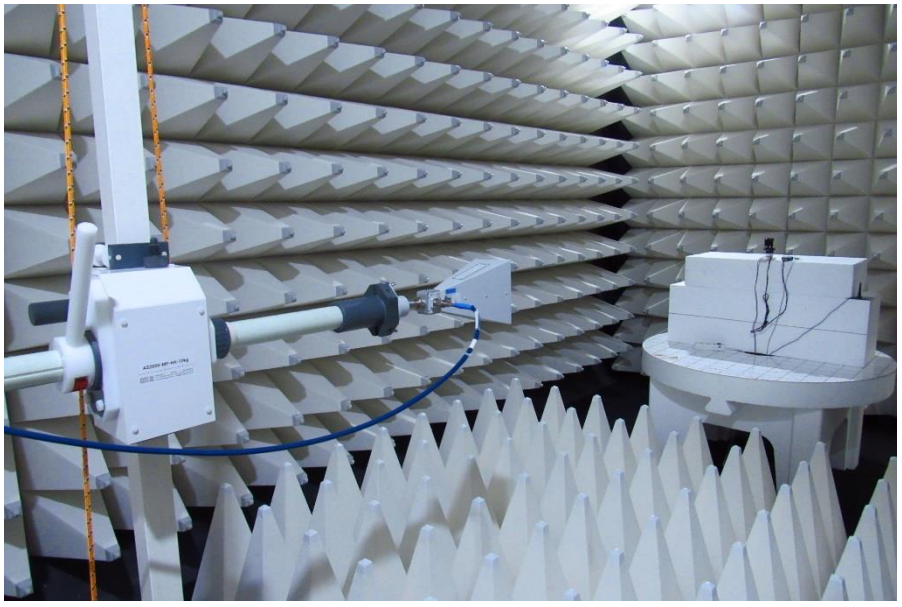
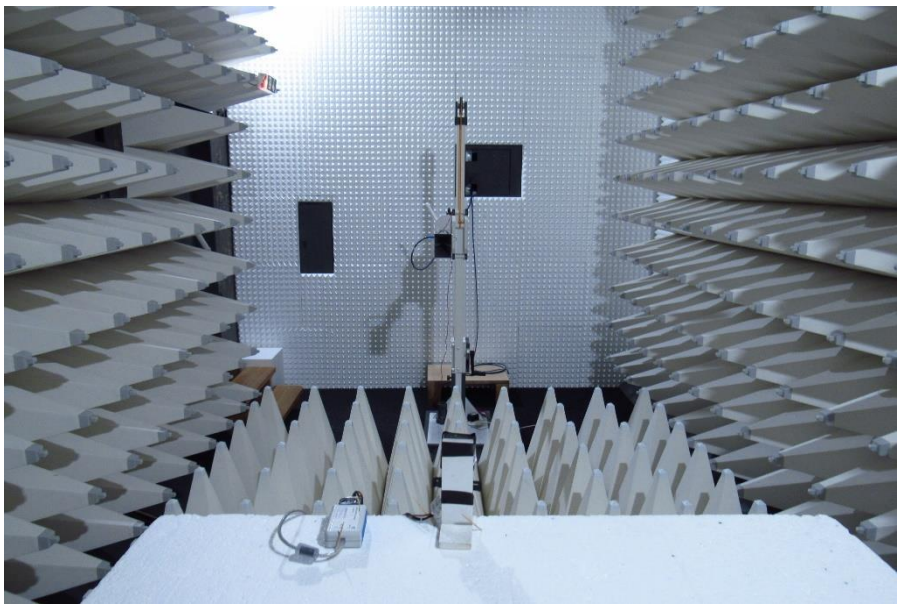
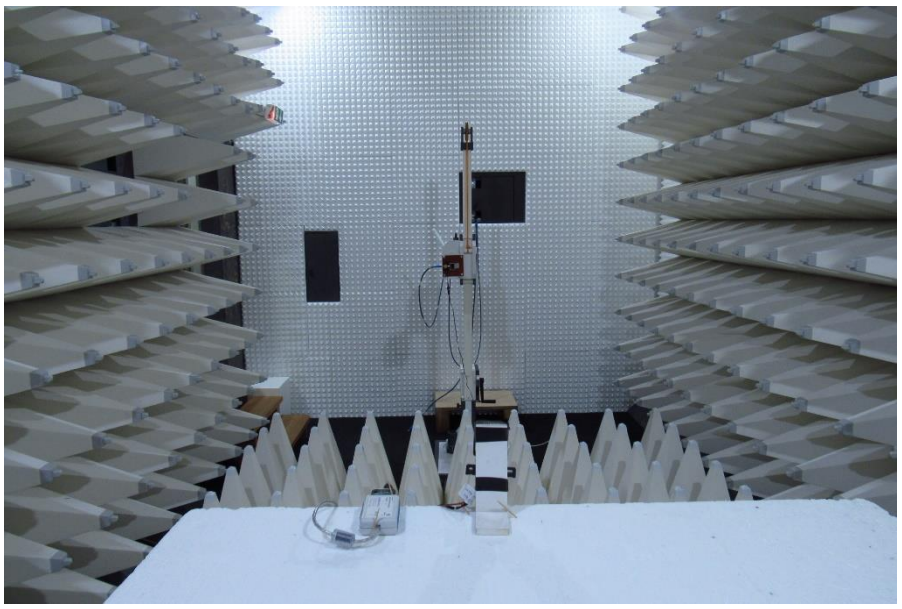


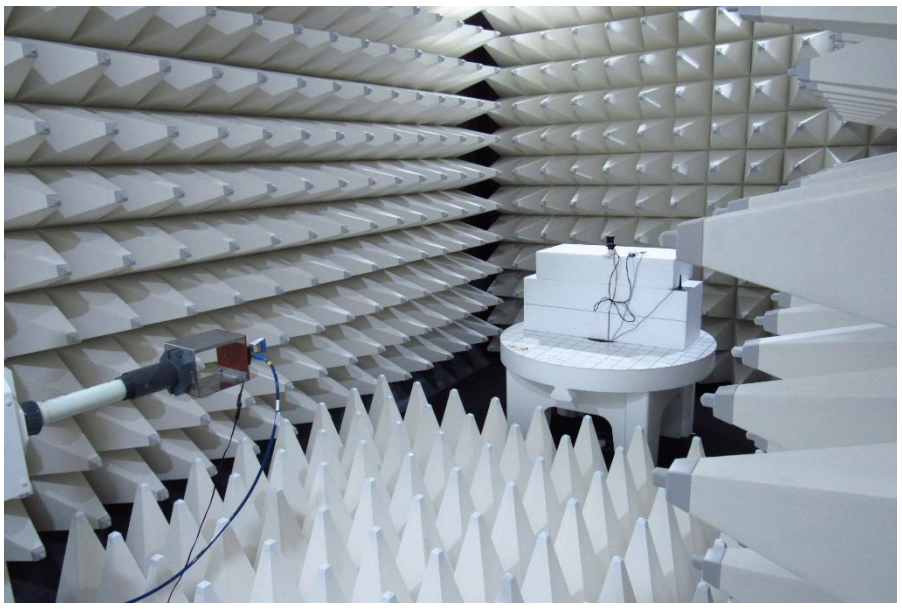
Setup 8 to 18 GHz pre measurements A


Setup 8 to 18 GHz pre measurements B


Setup 18 to 26.5 GHz pre measurements A



Setup 18 to 26.5 GHz pre measurements B



1.4 Support Equipment

Product Type	Device	Manufacturer	Model	Comment
SIM	Communication Tester	R&S	CMW500	Base Station Simulator
SIM	Communication Tester	R&S	CBT	Bluetooth signaling unit
AE	USB to CAN bridge	IXXAT	USB to CAN V2	
AE	Laptop	Lenovo	T440	
AE	Laptop power supply	Delta electronics Inc.	ADLX45NDC3A	
Description:				
AE	Auxiliary Equipment			
SIM	Simulator			
CBL	Connecting Cable			
SFT	Software			
Comment:				

1.5 Test Modes

Mode	Description
GSM850 / GMSK	Channel = 189 Mode = Transmit Power = Maximum, Gamma 3 Modulation = GMSK Number of time slots = 2 Duty cycle = 25 %
GSM1900 / GMSK	Channel = 810 Mode = Transmit Power = Maximum, Gamma 3 Modulation = GMSK Number of time slots = 2 Duty cycle = 25 %
DH5 Single	Mode = Transmit Modulation = GFSK Spreading = None Packet type = DH5 Duty cycle = 78%
Comment: Test modes GSM850 / GMSK and DH5 Single were tested simultaneously. Test modes GSM1900 / GMSK and DH5 Single were also tested simultaneously. Above modes are selected because they caused maximum output power in modular approval tests.	

1.6 Test Frequencies

Designator	Mode	Channel	Frequency [MHz]
F1	Tx	188	836.4
F2	Tx	810	1909.8
F3	Tx	39	2480
Comment: Test frequencies were tested in pairs of F1, F3 and F2, F3. Each pair was simultaneously emitted by the EUT. Above channels are selected because they caused maximum output power in modular approval tests.			

1.7 Sample emission level calculation

The following is a description of terms and a sample calculation, as appears in the radiated emissions data table. The numbers used in the calculation are for example only. There is no direct correlation to the specific data taken for the product described in this document:

Reading:

This is the reading obtained on the spectrum analyzer in dBµV. Any external preamplifiers used are taken into account through internal analyzer settings.

A.F.:

This is the antenna factor for the receiving antenna. It is a conversion factor, which converts electric fields strengths to voltages, which can be measured directly on the spectrum analyzer. It is treated as a loss in dB. Cable losses have been included with the A.F. to simplify the calculations. The antenna factor is used in calculations as follows:

Reading on Analyzer (dBµV) + A.F. (dB/m) = Net field strength (dBµV/m)

Net:

This is the net field strength measurement (as shown above).

Limit:

This is the FCC Class B radiated emission limit (in units of dBµV/m). The FCC limits are given in units of µV/m. The following formula is used to convert the units of µV/m to dBµV/m:

Limit (dBµV/m) = 20*log (µV/m)

Margin:

This is the margin of compliance below the FCC limit. The units are given in dB. A negative margin indicates the emission was below the limit. A positive margin indicates that the emission exceeds the limit.

Example only:

Reading + AF	= Net Reading	:	Net reading - FCC limit	= Margin
+21.5 dBµV + 26 dB/m	= 47.5 dBµV/m	:	47.5 dBµV/m - 57.0 dBµV/m	= -9.5 dB

2 Result Summary

FCC 47 CFR Part 22H, 24E, ISED RSS-132, 133				
Product Standard Reference	**Requirement**	**Reference Method**	**Result**	**Remarks**
FCC § 22.917(a) FCC § 24.238(a) ISED RSS-132 § 4.5 Issue 3 ISED RSS-133 § 6.5 Issue 6	Transmitter radiated spurious emissions	ANSI C63.10-2013 ANSI/TIA-603-D-2016 KDB 971168 ANSI C63.26-2015 5.5	PASS	
Comment: Above standards have been selected for tests because they allow the highest spurious emission limits when considering all built-in radio technologies.				

Possible Test Case Verdicts	
PASS	Test object does meet the requirements
FAIL	Test object does not meet the requirements
N/T	Required by standard but not tested
N/R	Not required by standard for the test object

3 Test Conditions and Results

3.1 Test Conditions and Results - Transmitter radiated emissions

3.1.1 Information

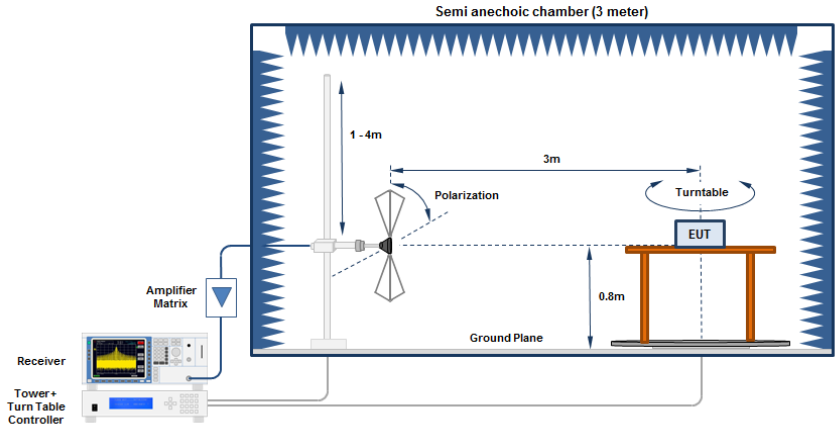
Test Information	
Reference	FCC § 22.917(a) / FCC § 24.238(a) ISED RSS-132 § 4.5 / ISED RSS-133 § 6.5
Measurement Method	ANSI/TIA-603-D / ANSI C63.26-2015 5.5
Measurement Uncertainty	± 5.95 dB
Operator	Florian Voigt
Date	2021-08-24 - 2021-08-26
Comment: Measurements above 1 GHz were done in anechoic chamber AC2 as premeasurements. Results with a margin of less than 18 dB distance to the limit were validated with final measurements in anechoic chamber AC1.	

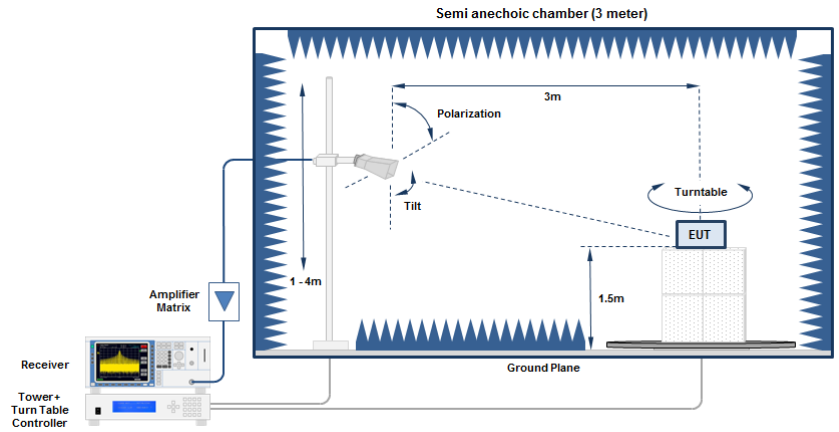
3.1.2 Limits

Limits	
Carrier frequency range [MHz]	Limit
824-849	Attenuation below transmitter power ≥ 43 + 10 • log10(P) [dB] = -13 dBm
2400 – 2483.5	Attenuation below transmitter power ≥ 43 + 10 • log10(P) [dB] = -13 dBm

3.1.3 Setup

Test Setup 30 - 1000 MHz



Test Setup > 1 GHz


3.1.4 Equipment

Test Equipment 30 - 1000 MHz					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Anechoic Chamber	Frankonia	AC1	EF00062	2021-02	2024-02
Measurement Receiver	Agilent	N9038A-526/WXP	EF01070	2021-07	2022-07
Antenna	R&S	HK 116	EF00030	2021-05	2024-05
Antenna	R&S	HL 223	EF00187	2019-05	2022-05

Test Equipment > 1 GHz					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Anechoic Chamber	Frankonia	AC 2	EF01616	2021-05	2022-05
Spectrum Analyzer	R&S	FSU43	EF01631	2021-07	2022-07
Horn Antenna	Schwarzbeck	BBHA 9120B	EF01678	2021-03	2022-03
Antenna	Schwarzbeck	HWRD 650	EF01679	2021-03	2022-03
Antenna	Amplifier Research	AT4560	EF00302	2021-06	2023-06

3.1.5 Procedure

Test Procedure 30 - 1000 MHz
1. EUT is placed on a non conducting support at the center of a turn table 0.8 m above the ground
2. EUT set to test mode
3. The receiver is set to peak detection with max hold
4. The EUT is rotated through 360° and the height of the antenna is varied from 1 m to 4 m
5. All significant emissions are measured again using the corresponding final detector

Test Procedure > 1 GHz
1. EUT is placed on a non conducting support at the center of a turn table 1.5 m above the ground
2. EUT set to test mode
3. The receiver is set to peak detection with max hold
4. The EUT is rotated through 360° and the height of the antenna is varied from 1 m to 4 m
5. All significant emissions are measured again using the corresponding final detector

3.1.6 Results

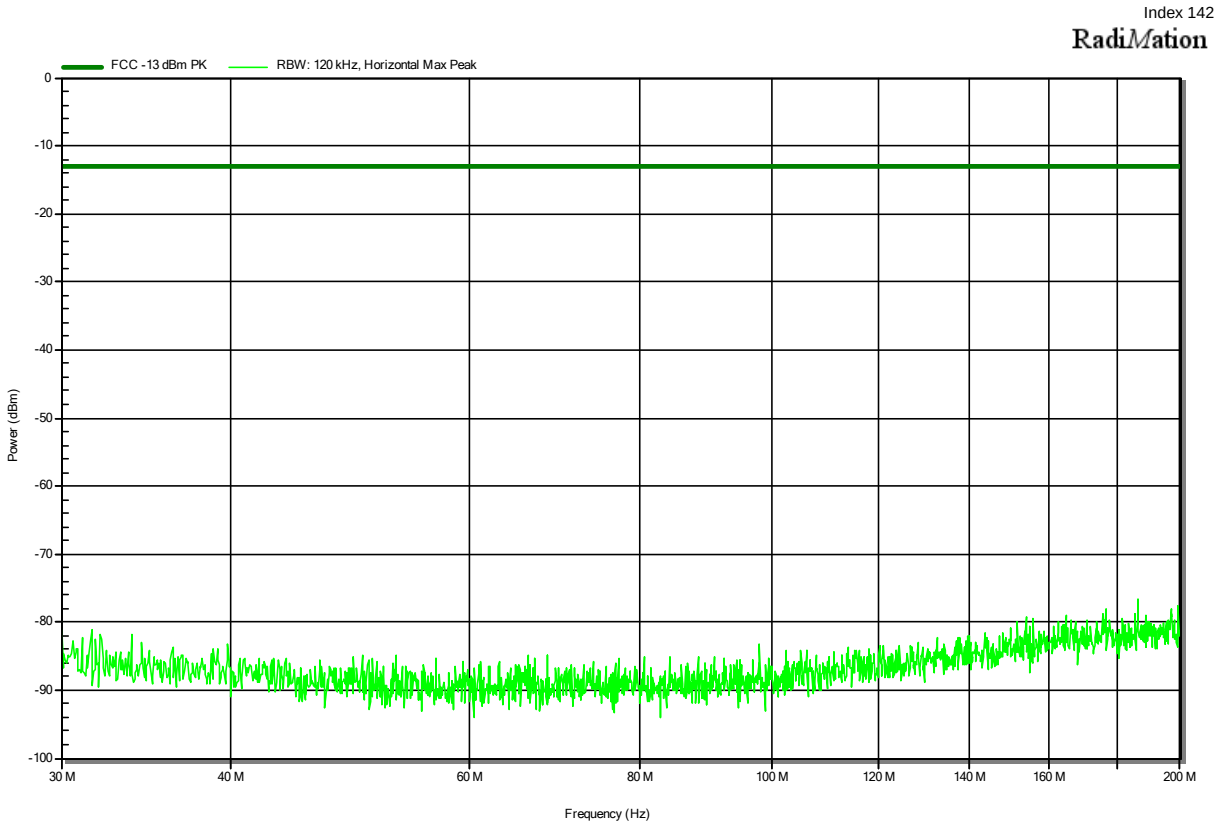
Test Results - GSM850 + Bluetooth BR/EDR						
Frequency [MHz]	Mode	Emission [MHz]	Level [dBm]	Pol.	Limit [dBm]	Margin [dB]
836.4 2480	GSM850 / GMSK + DH5 Single	876	-47.10	Hor	-13	-34.11
836.4 2480	GSM850 / GMSK + DH5 Single	876	-43.20	Ver	-13	-30.18
836.4 2480	GSM850 / GMSK + DH5 Single	881.4	-47.10	Hor	-13	-34.10
836.4 2480	GSM850 / GMSK + DH5 Single	881.4	-43.50	Ver	-13	-30.46
836.4 2480	GSM850 / GMSK + DH5 Single	1673	-32.80	Hor	-13	-19.75
836.4 2480	GSM850 / GMSK + DH5 Single	1673	-32.30	Ver	-13	-19.31

Test Results – GSM1900 + Bluetooth BR/EDR						
Frequency [MHz]	Mode	Emission [MHz]	Level [dBm]	Pol.	Limit [dBm]	Margin [dB]
40	GSM1900 / GMSK + DH5 Single	876	-57.90	Ver	-13	-44.89
503	GSM1900 / GMSK + DH5 Single	876	-51.00	Ver	-13	-38.00
787.5	GSM1900 / GMSK + DH5 Single	881.4	-46.30	Hor	-13	-33.28
7639	GSM1900 / GMSK + DH5 Single	881.4	-52.80	Hor	-13	-39.84
18615	GSM1900 / GMSK + DH5 Single	1673	-43.50	Hor	-13	-30.54

ANNEX A Transmitter sprurious emissions

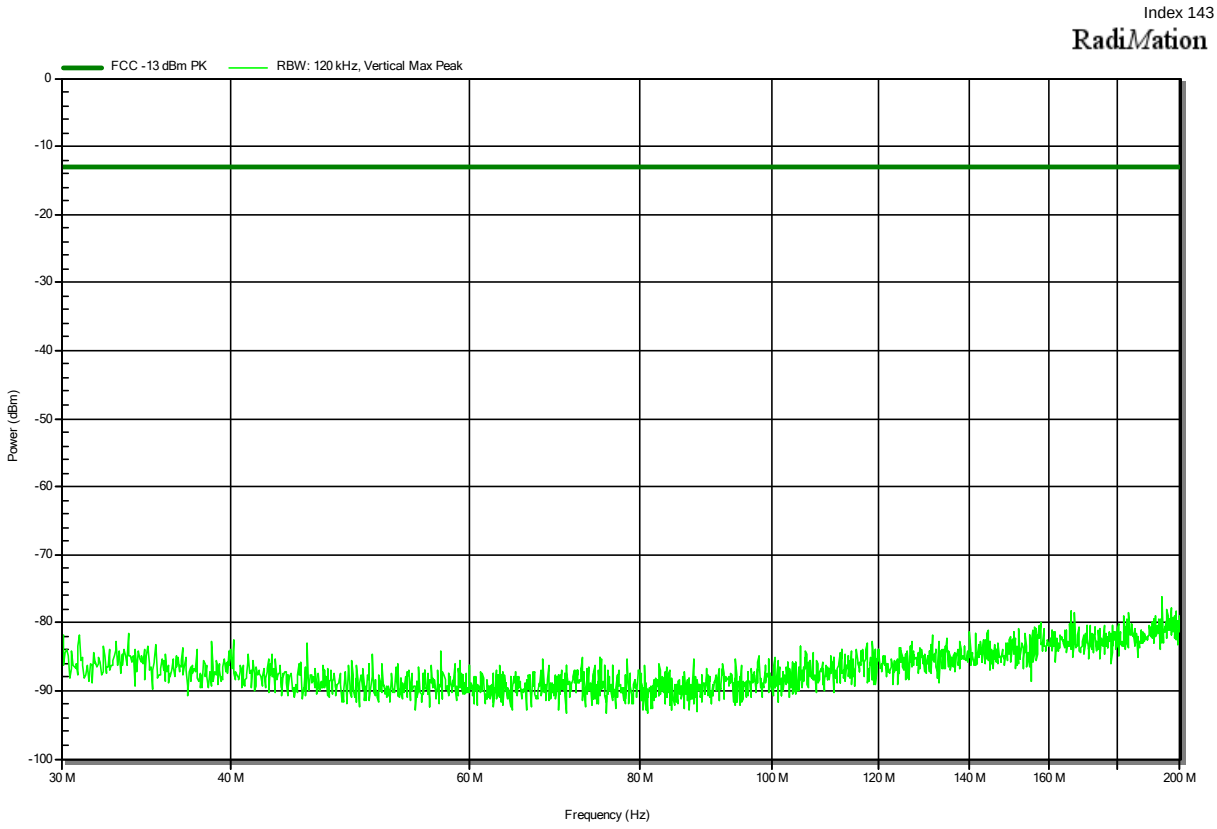
Radiated Spurious Emissions according to 47 CFR Part 22H; RSS-132 Issue 3

Project Number:	G0M-2104-9762
Applicant:	Webfleet Solutions B.V.
Model Description:	Telematic Device with GSM+LTE+GNSS+OBD connector
Model:	L0240
Test Sample ID:	34392
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Voigt
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 24 °Celsius, Vnom: 12 VDC
Antenna:	Rohde & Schwarz HK 116, Horizontal
Measurement distance:	3 m
Mode:	Tx; GSM850 / GMSK + BT, DH5, 2480MHz
Test Date:	2021-08-26
Note:	



Radiated Spurious Emissions according to 47 CFR Part 22H; RSS-132 Issue 3

Project Number:	G0M-2104-9762
Applicant:	Webfleet Solutions B.V.
Model Description:	Telematic Device with GSM+LTE+GNSS+OBD connector
Model:	L0240
Test Sample ID:	34392
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Voigt
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 24 °Celsius, Vnom: 12 VDC
Antenna:	Rohde & Schwarz HK 116, Vertical
Measurement distance:	3 m
Mode:	Tx; GSM850 / GMSK + BT, DH5, 2480MHz
Test Date:	2021-08-26
Note:	



Radiated Spurious Emissions according to 47 CFR Part 22H; RSS-132 Issue 3

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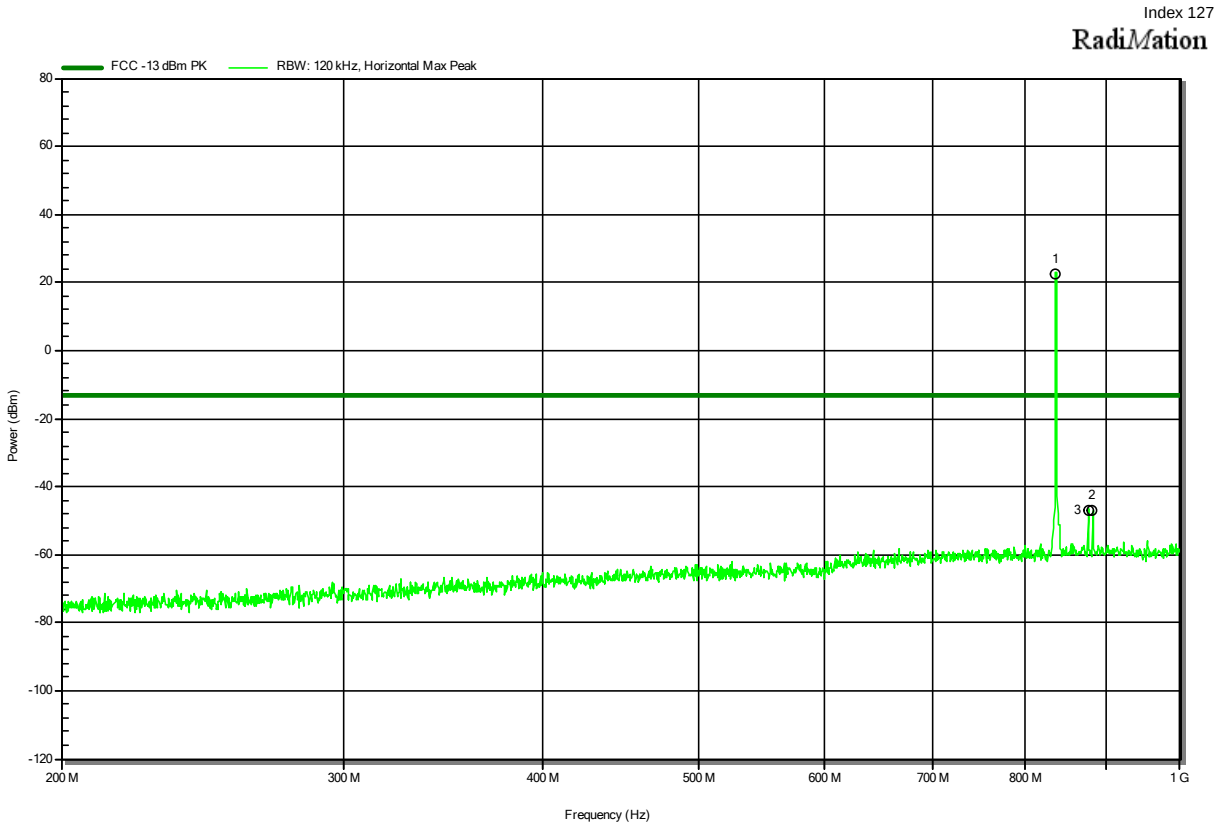
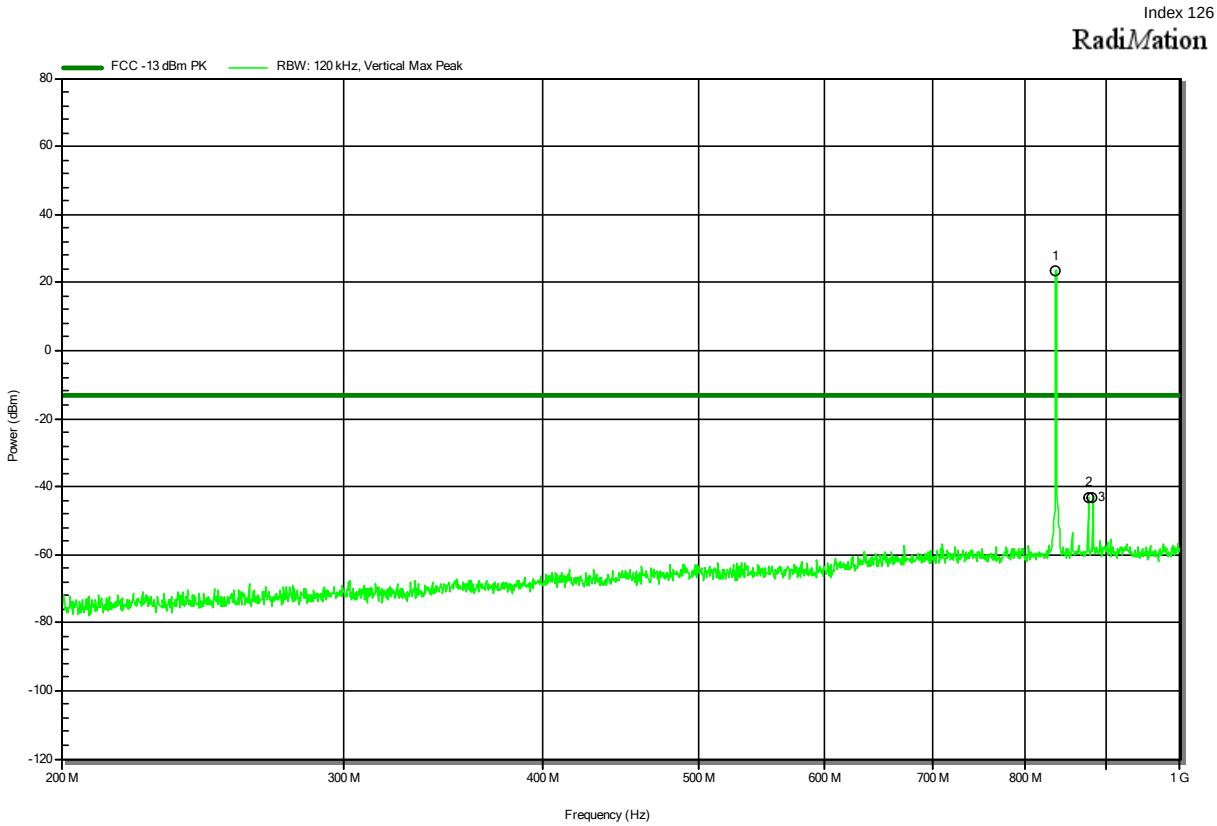
Applicant:	Webfleet Solutions B.V.
Model Description:	Telematic Device with GSM+LTE+GNSS+OBD connector
Model:	L0240
Test Sample ID:	34392
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Voigt
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 24 °Celsius, Vnom: 12 VDC
Antenna:	Rohde & Schwarz HL 223, Horizontal
Measurement distance:	3 m
Mode:	Tx; GSM850 / GMSK + BT, DH5, 2480MHz
Test Date:	2021-08-26
Note:	Marker1 is uplink



Frequency	Peak	Peak Limit	Peak Difference	Peak Status
836.4 MHz	22.7 dBm			Uplink
876 MHz	-47.1 dBm	-13 dBm	-34.11 dB	Pass
881.4 MHz	-47.1 dBm	-13 dBm	-34.1 dB	Pass

Radiated Spurious Emissions according to 47 CFR Part 22H; RSS-132 Issue 3

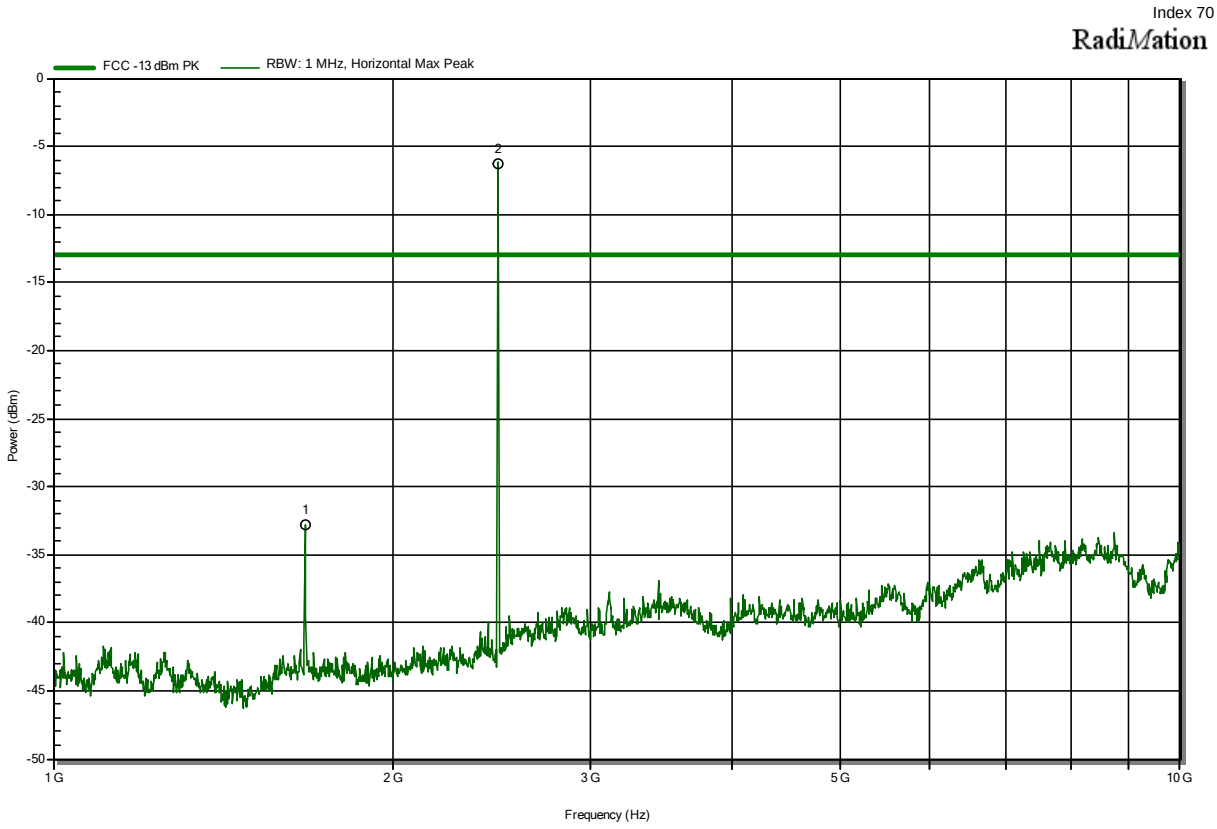
Project Number:	G0M-2104-9762
Applicant:	Webfleet Solutions B.V.
Model Description:	Telematic Device with GSM+LTE+GNSS+OBD connector
Model:	L0240
Test Sample ID:	34392
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Voigt
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 24 °Celsius, Vnom: 12 VDC
Antenna:	Rohde & Schwarz HL 223, Vertical
Measurement distance:	3 m
Mode:	Tx; GSM850 / GMSK + BT, DH5, 2480MHz
Test Date:	2021-08-26
Note:	Marker1 is uplink



Frequency	Peak	Peak Limit	Peak Difference	Peak Status
836.4 MHz	23.2 dBm			Uplink
876 MHz	-43.2 dBm	-13 dBm	-30.18 dB	Pass
881.4 MHz	-43.5 dBm	-13 dBm	-30.46 dB	Pass

Radiated Spurious Emissions according to 47 CFR Part 22H; RSS-132 Issue 3

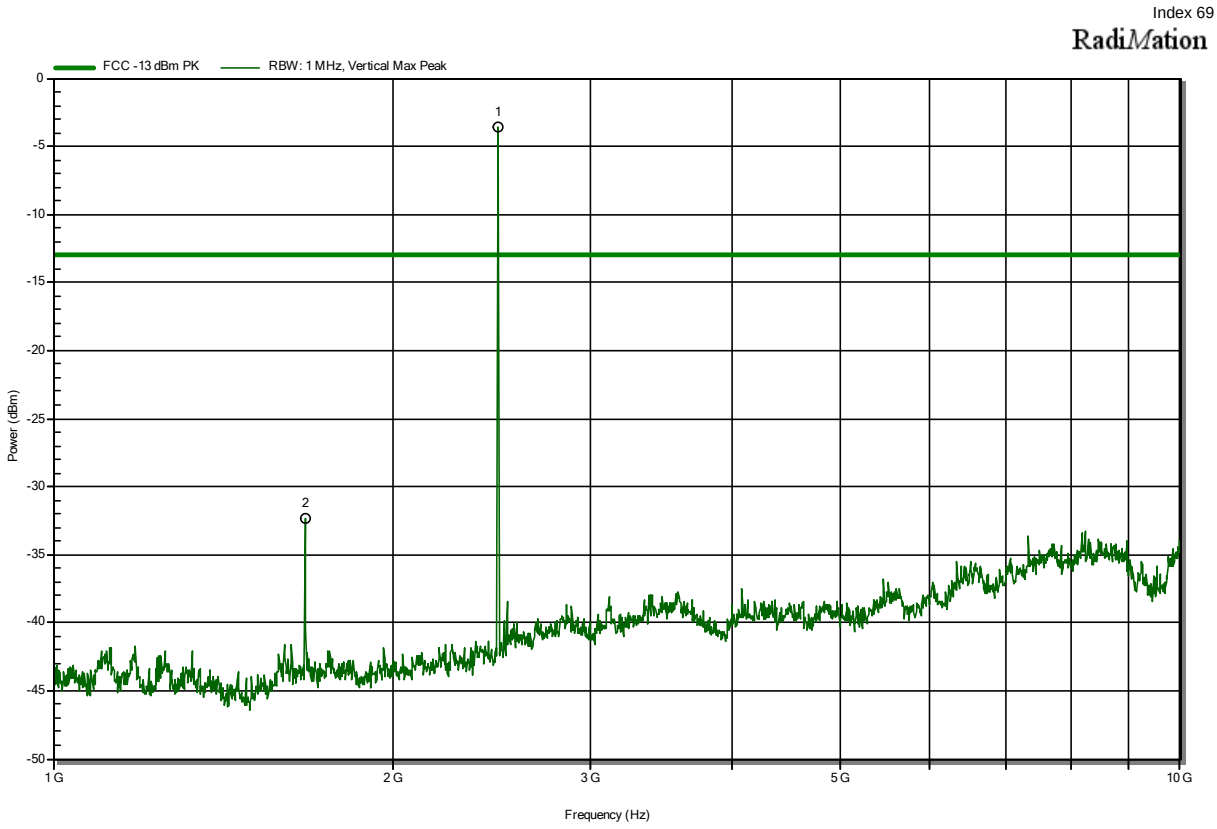
Project Number:	G0M-2104-9762
Applicant:	Webfleet Solutions B.V.
Model Description:	Telematic Device with GSM+LTE+GNSS+OBD connector
Model:	L0240
Test Sample ID:	34392
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Voigt
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 24 °Celsius, Vnom: 12 VDC
Antenna:	Schwarzbeck BBHA 9120B, Vertical
Measurement distance:	3 m
Mode:	Tx; GSM850 / GMSK + BT, DH5, 2480MHz
Test Date:	2021-08-24
Note:	Marker2 is Bluetooth TX



Frequency	Peak	Peak Limit	Peak Difference	Peak Status
1.673 GHz	-32.8 dBm	-13 dBm	-19.75 dB	Pass
2.48 GHz	-6.3 dBm			Bluetooth TX

Radiated Spurious Emissions according to 47 CFR Part 22H; RSS-132 Issue 3

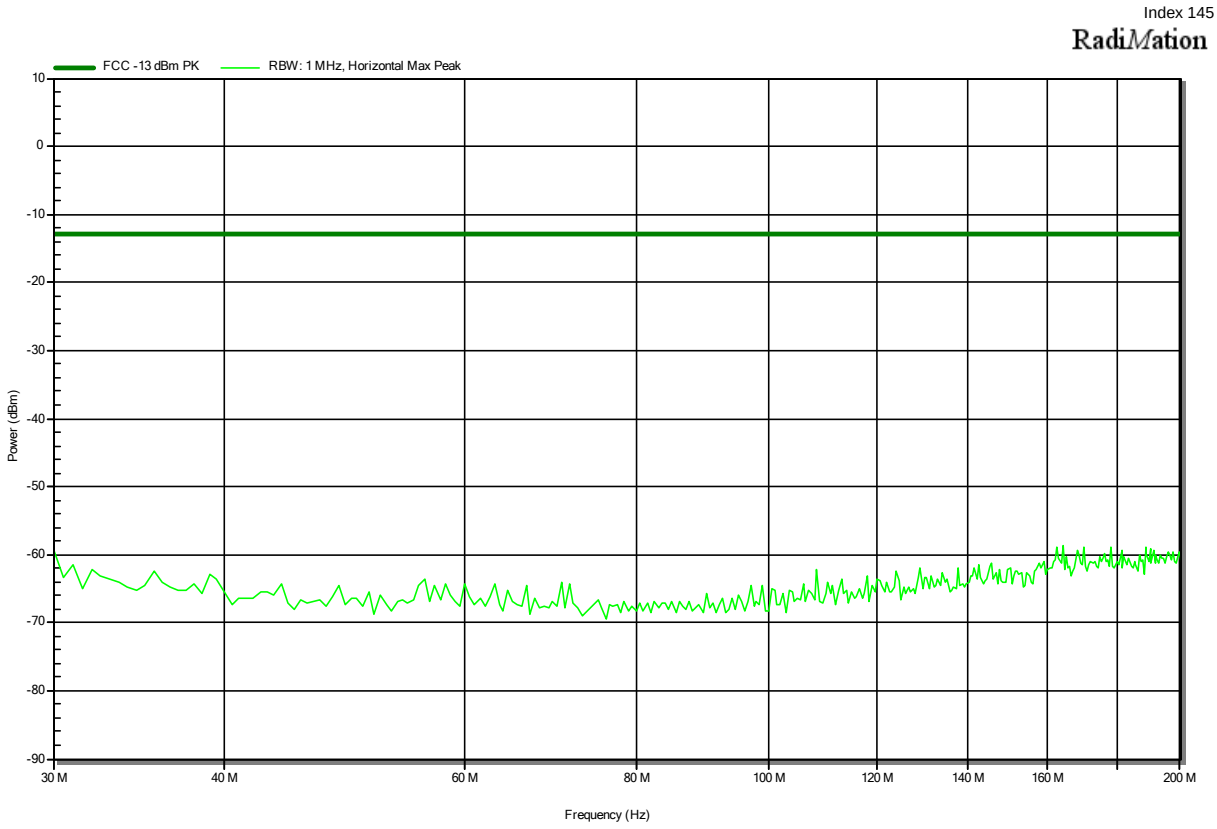
Project Number:	G0M-2104-9762
Applicant:	Webfleet Solutions B.V.
Model Description:	Telematic Device with GSM+LTE+GNSS+OBD connector
Model:	L0240
Test Sample ID:	34392
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Voigt
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 24 °Celsius, Vnom: 12 VDC
Antenna:	Schwarzbeck BBHA 9120B, Vertical
Measurement distance:	3 m
Mode:	Tx; GSM850 / GMSK + BT, DH5, 2480MHz
Test Date:	2021-08-24
Note:	Marker1 is Bluetooth TX



Frequency	Peak	Peak Limit	Peak Difference	Peak Status
1.673 GHz	-32.3 dBm	-13 dBm	-19.31 dB	Pass
2.48 GHz	-3.6 dBm			Bluetooth TX

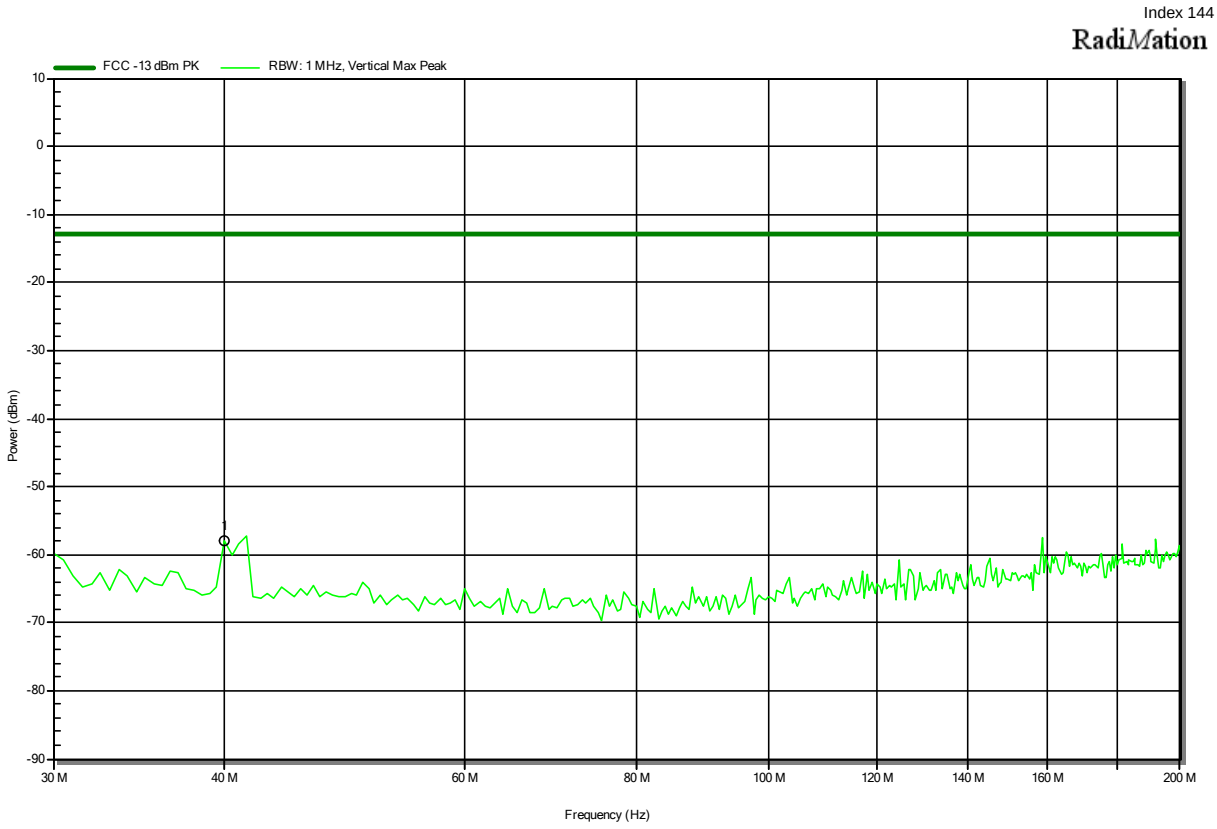
Radiated Spurious Emissions according to 47 CFR Part 24E; RSS-133, Issue 6+A1

Project Number:	G0M-2104-9762
Applicant:	Webfleet Solutions B.V.
Model Description:	Telematic Device with GSM+LTE+GNSS+OBD connector
Model:	L0240
Test Sample ID:	34392
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Voigt
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 24 °Celsius, Vnom: 12 VDC
Antenna:	Rohde & Schwarz HK 116, Horizontal
Measurement distance:	3 m
Mode:	Tx; GSM1900 / GMSK + BT, DH5, 2480MHz
Test Date:	2021-08-26
Note:	



Radiated Spurious Emissions according to 47 CFR Part 24E; RSS-133, Issue 6+A1

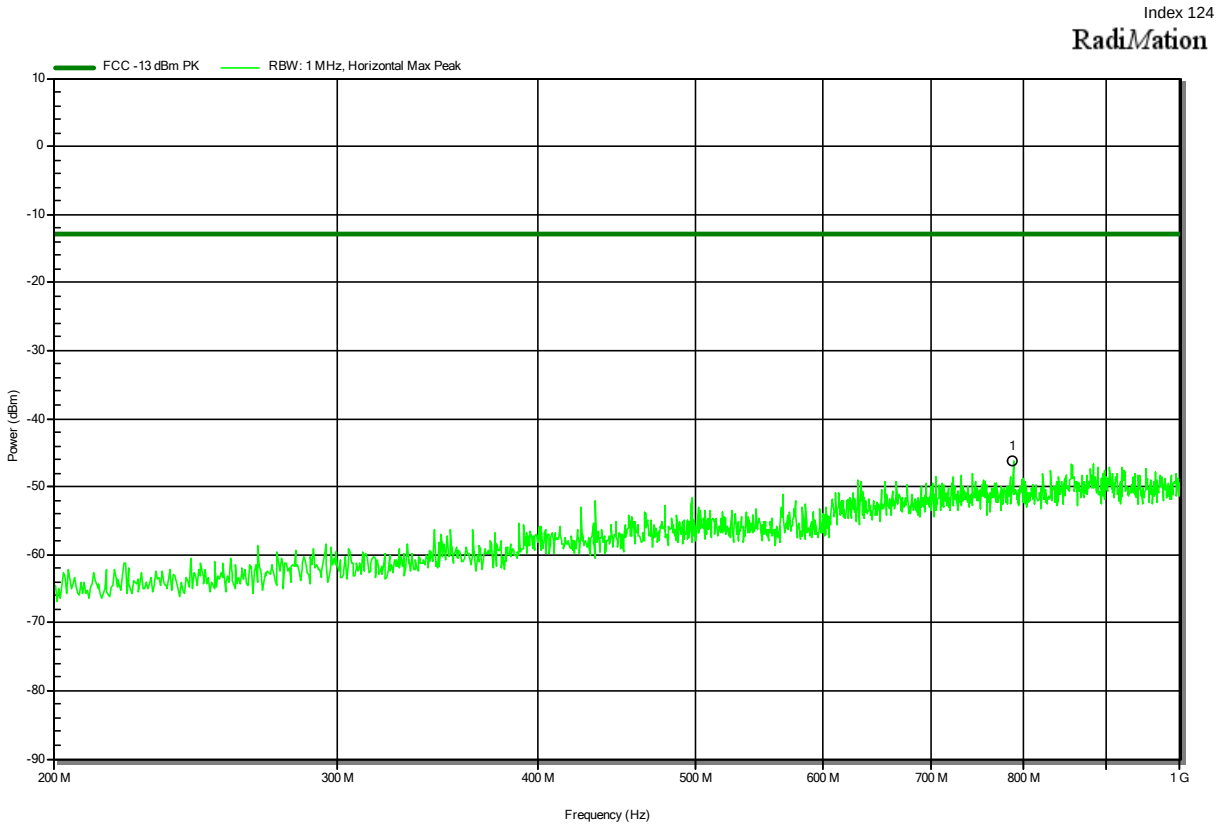
Project Number:	G0M-2104-9762
Applicant:	Webfleet Solutions B.V.
Model Description:	Telematic Device with GSM+LTE+GNSS+OBD connector
Model:	L0240
Test Sample ID:	34392
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Voigt
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 24 °Celsius, Vnom: 12 VDC
Antenna:	Rohde & Schwarz HK 116, Vertical
Measurement distance:	3 m
Mode:	Tx; GSM1900 / GMSK + BT, DH5, 2480MHz
Test Date:	2021-08-26
Note:	



Frequency	Peak	Peak Limit	Peak Difference	Peak Status
40 MHz	-57.9 dBm	-13 dBm	-44.89 dB	Pass

Radiated Spurious Emissions according to 47 CFR Part 24E; RSS-133, Issue 6+A1

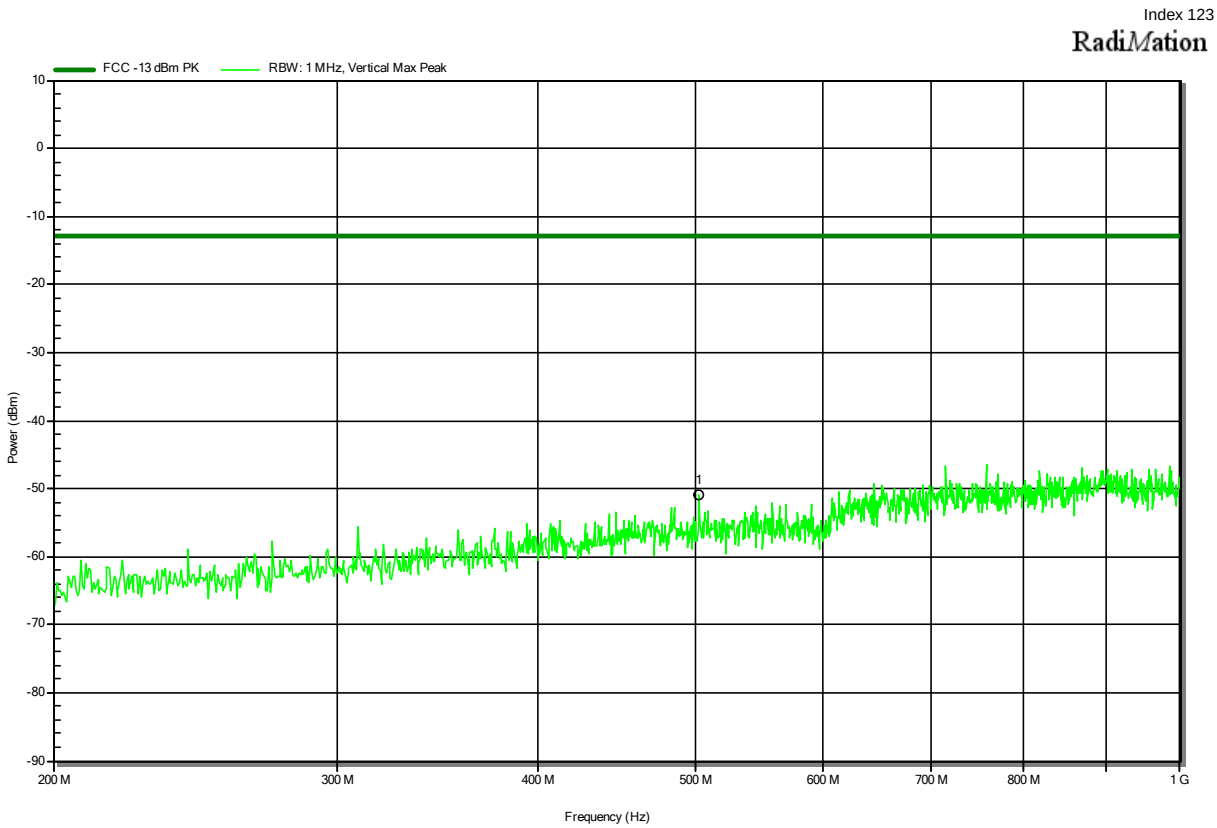
Project Number:	G0M-2104-9762
Applicant:	Webfleet Solutions B.V.
Model Description:	Telematic Device with GSM+LTE+GNSS+OBD connector
Model:	L0240
Test Sample ID:	34392
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Voigt
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 24 °Celsius, Vnom: 12 VDC
Antenna:	Rohde & Schwarz HL 223, Horizontal
Measurement distance:	3 m
Mode:	Tx; GSM1900 / GMSK + BT, DH5, 2480MHz
Test Date:	2021-08-26
Note:	



Frequency	Peak	Peak Limit	Peak Difference	Peak Status
787.5 MHz	-46.3 dBm	-13 dBm	-33.28 dB	Pass

Radiated Spurious Emissions according to 47 CFR Part 24E; RSS-133, Issue 6+A1

Project Number:	G0M-2104-9762
Applicant:	Webfleet Solutions B.V.
Model Description:	Telematic Device with GSM+LTE+GNSS+OBD connector
Model:	L0240
Test Sample ID:	34392
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Voigt
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 24 °Celsius, Vnom: 12 VDC
Antenna:	Rohde & Schwarz HL 223, Vertical
Measurement distance:	3 m
Mode:	Tx; GSM1900 / GMSK + BT, DH5, 2480MHz
Test Date:	2021-08-26
Note:	



Frequency	Peak	Peak Limit	Peak Difference	Peak Status
503 MHz	-51 dBm	-13 dBm	-38 dB	Pass

Radiated Spurious Emissions according to 47 CFR Part 24E; RSS-133, Issue 6+A1

Project Number:	G0M-2104-9762
Applicant:	Webfleet Solutions B.V.
Model Description:	Telematic Device with GSM+LTE+GNSS+OBD connector
Model:	L0240
Test Sample ID:	34392
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Voigt
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 24 °Celsius, Vnom: 12 VDC
Antenna:	Schwarzbeck BBHA 9120B, Horizontal
Measurement distance:	3 m
Mode:	Tx; GSM1900 / GMSK + BT, DH5, 2480MHz
Test Date:	2021-08-24
Note:	Marker1 is uplink, Marker2 is Bluetooth TX

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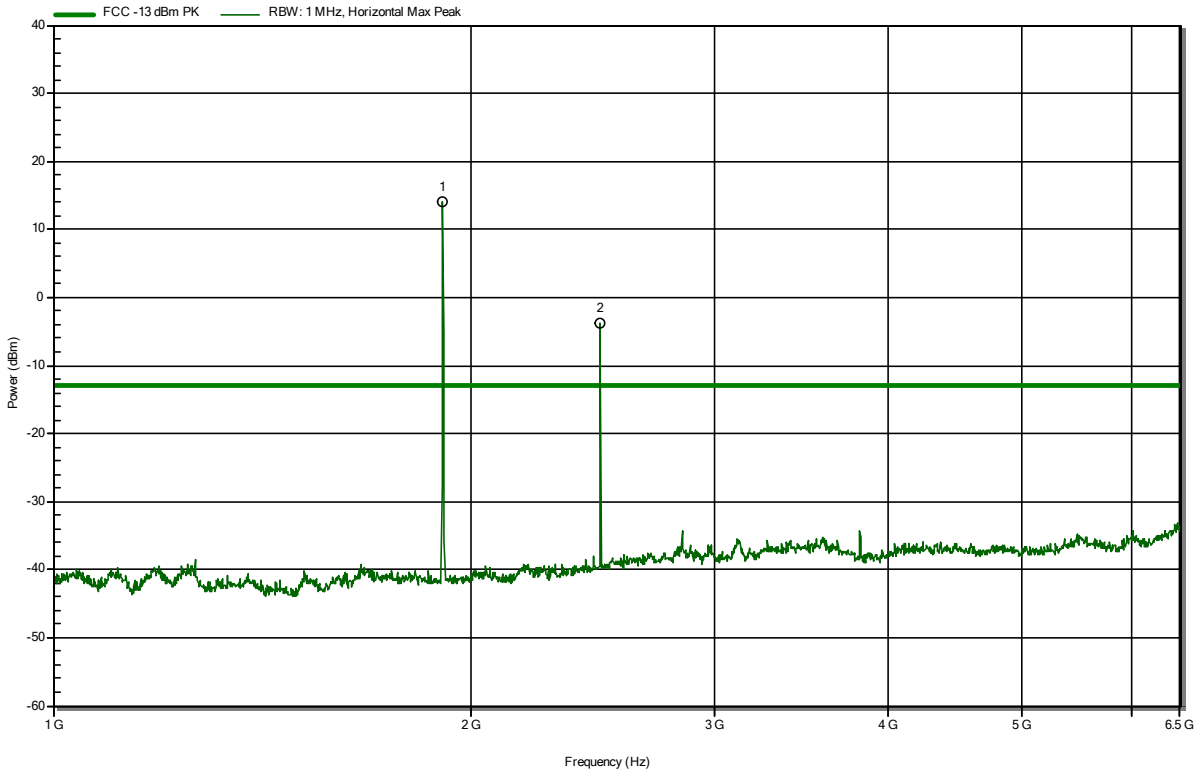
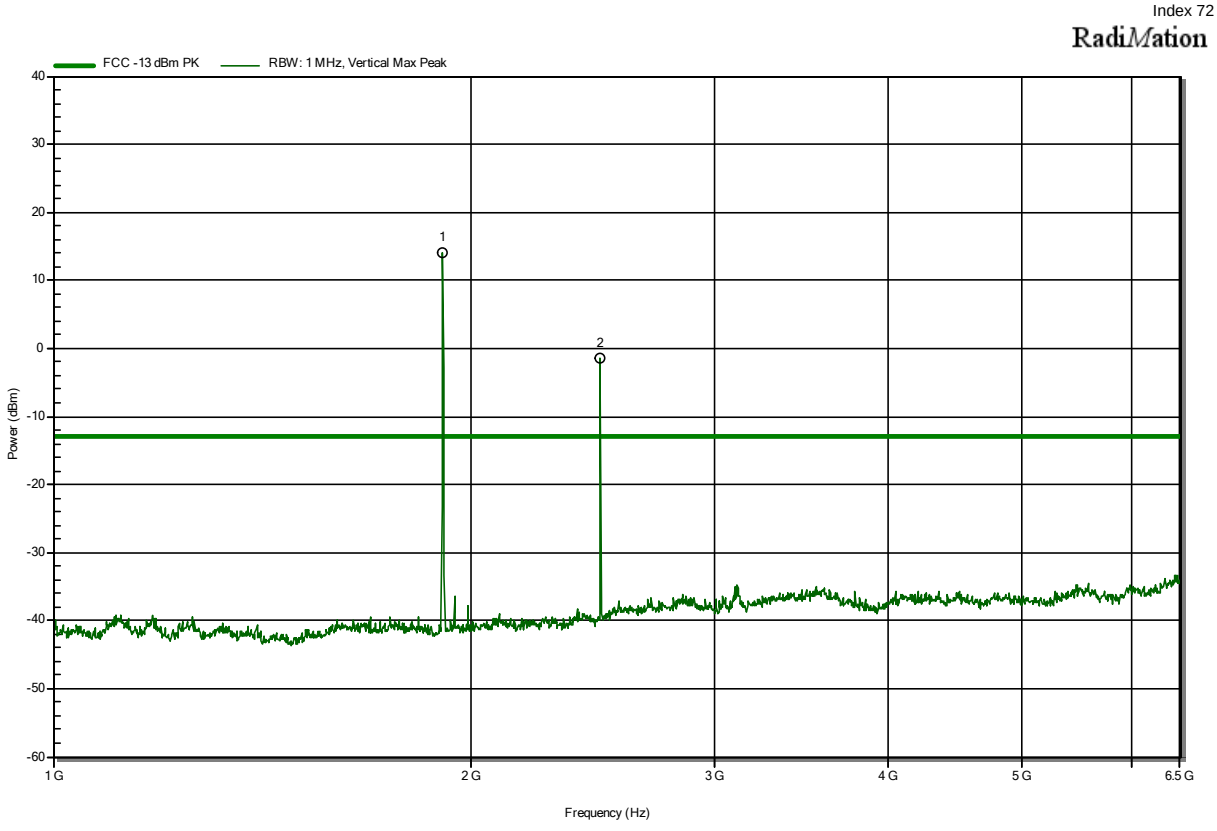


Frequency	Peak	Peak Limit	Peak Difference	Peak Status
1.91 GHz	14.1 dBm			Uplink
2.48 GHz	-3.8 dBm			Bluetooth TX

Radiated Spurious Emissions according to 47 CFR Part 24E; RSS-133, Issue 6+A1

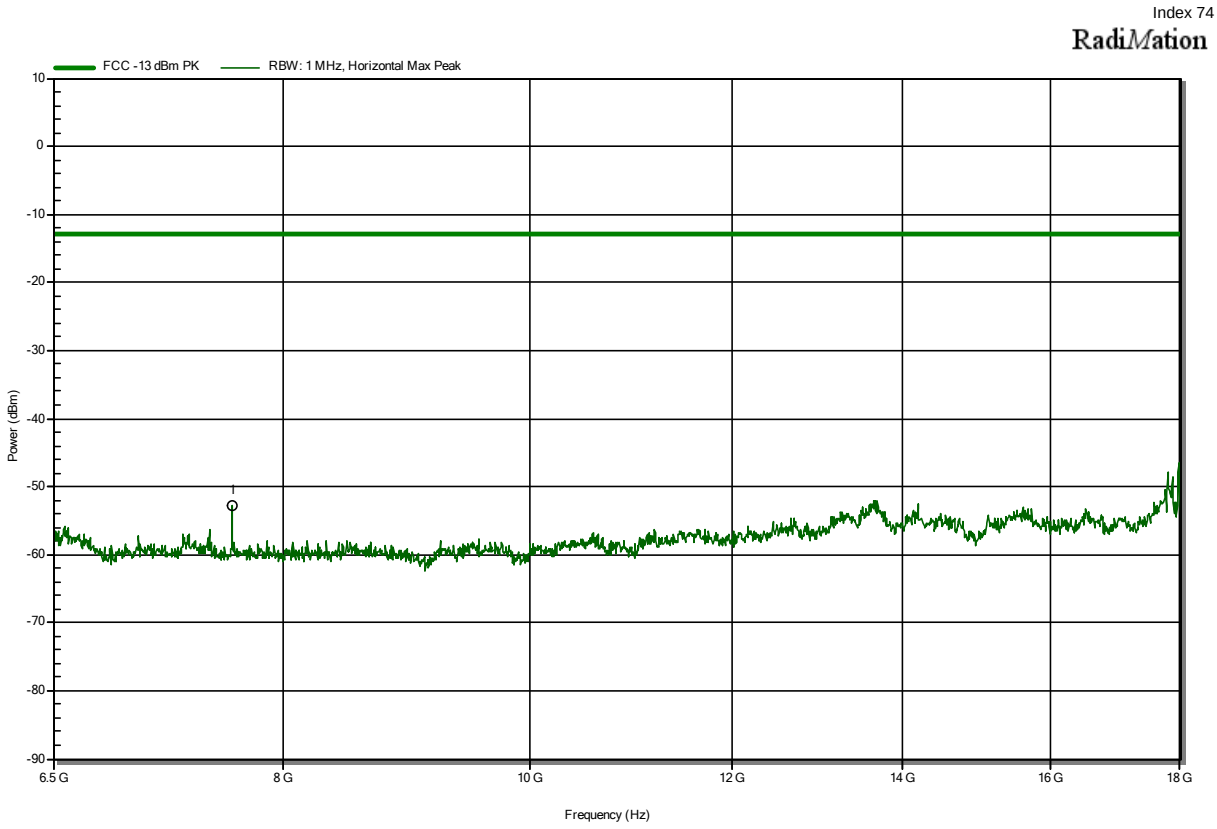
Project Number:	G0M-2104-9762
Applicant:	Webfleet Solutions B.V.
Model Description:	Telematic Device with GSM+LTE+GNSS+OBD connector
Model:	L0240
Test Sample ID:	34392
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Voigt
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 24 °Celsius, Vnom: 12 VDC
Antenna:	Schwarzbeck BBHA 9120B, Vertical
Measurement distance:	3 m
Mode:	Tx; GSM1900 / GMSK + BT, DH5, 2480MHz
Test Date:	2021-08-24
Note:	Marker1 is uplink, Marker2 is Bluetooth TX



Frequency	Peak	Peak Limit	Peak Difference	Peak Status
1.91 GHz	14.1 dBm			Uplink
2.48 GHz	-1.5 dBm			Bluetooth TX

Radiated Spurious Emissions according to 47 CFR Part 24E; RSS-133, Issue 6+A1

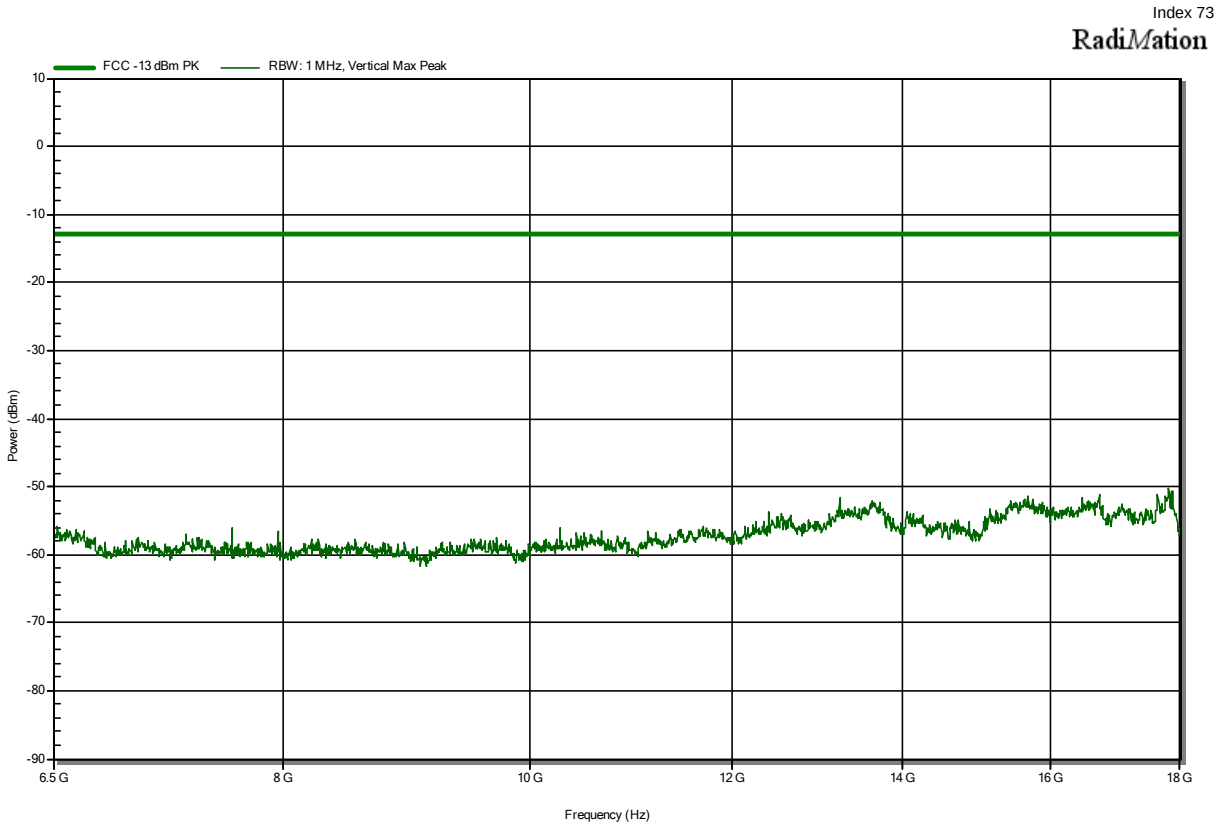
Project Number:	G0M-2104-9762
Applicant:	Webfleet Solutions B.V.
Model Description:	Telematic Device with GSM+LTE+GNSS+OBD connector
Model:	L0240
Test Sample ID:	34392
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Voigt
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 24 °Celsius, Vnom: 12 VDC
Antenna:	Schwarzbeck HWRD 650, Horizontal
Measurement distance:	3 m
Mode:	Tx; GSM1900 / GMSK + BT, DH5, 2480MHz
Test Date:	2021-08-24
Note:	



Frequency	Peak	Peak Limit	Peak Difference	Peak Status
7.639 GHz	-52.8 dBm	-13 dBm	-39.84 dB	Pass

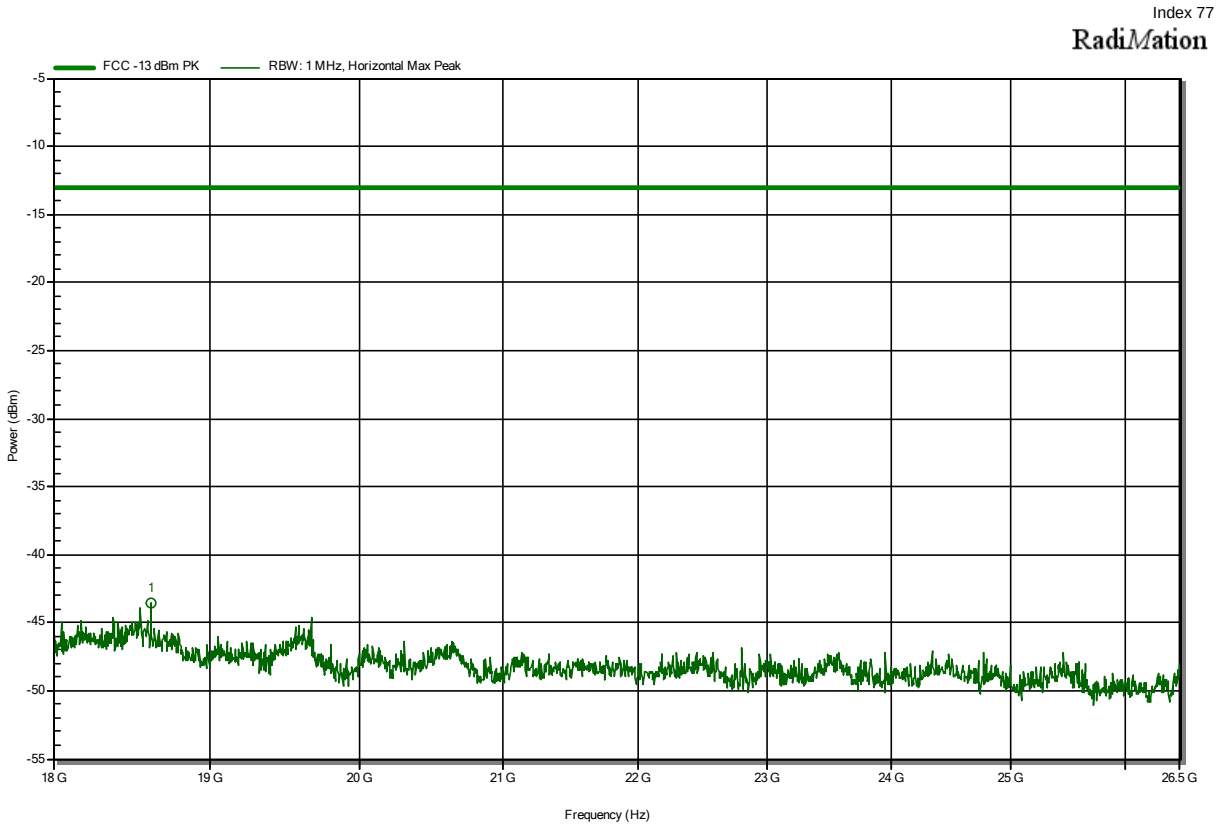
Radiated Spurious Emissions according to 47 CFR Part 24E; RSS-133, Issue 6+A1

Project Number:	G0M-2104-9762
Applicant:	Webfleet Solutions B.V.
Model Description:	Telematic Device with GSM+LTE+GNSS+OBD connector
Model:	L0240
Test Sample ID:	34392
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Voigt
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 24 °Celsius, Vnom: 12 VDC
Antenna:	Schwarzbeck HWRD 650, Vertical
Measurement distance:	3 m
Mode:	Tx; GSM1900 / GMSK + BT, DH5, 2480MHz
Test Date:	2021-08-24
Note:	



Radiated Spurious Emissions according to 47 CFR Part 24E; RSS-133, Issue 6+A1

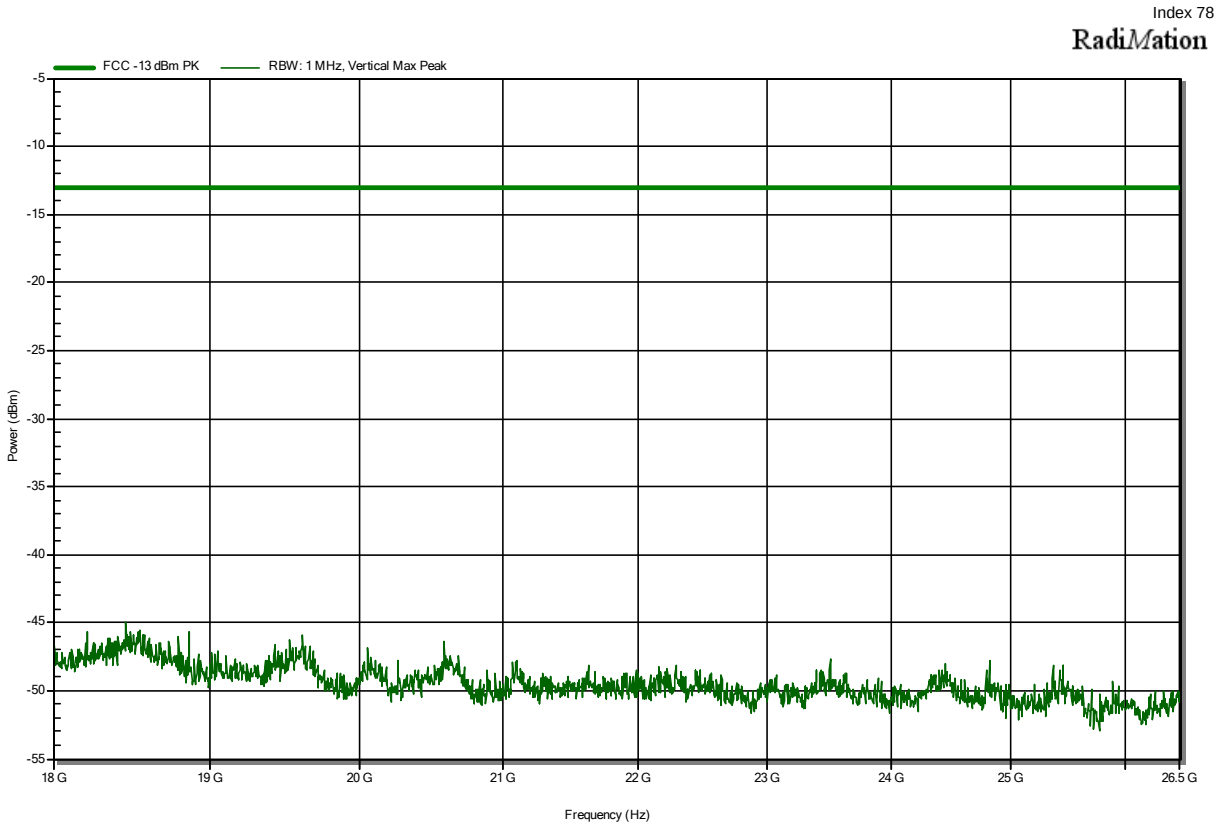
Project Number:	G0M-2104-9762
Applicant:	Webfleet Solutions B.V.
Model Description:	Telematic Device with GSM+LTE+GNSS+OBD connector
Model:	L0240
Test Sample ID:	34392
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Voigt
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 24 °Celsius, Vnom: 12 VDC
Antenna:	Amplifier Research AT4560, Horizontal
Measurement distance:	3 m
Mode:	Tx; GSM1900 / GMSK + BT, DH5, 2480MHz
Test Date:	2021-08-25
Note:	



Frequency	Peak	Peak Limit	Peak Difference	Peak Status
18.615 GHz	-43.5 dBm	-13 dBm	-30.54 dB	Pass

Radiated Spurious Emissions according to 47 CFR Part 24E; RSS-133, Issue 6+A1

Project Number:	G0M-2104-9762
Applicant:	Webfleet Solutions B.V.
Model Description:	Telematic Device with GSM+LTE+GNSS+OBD connector
Model:	L0240
Test Sample ID:	34392
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Voigt
Measurement software:	RadiMation, version 2020.1.8
Test Conditions:	Tnom: 24 °Celsius, Vnom: 12 VDC
Antenna:	Amplifier Research AT4560, Vertical
Measurement distance:	3 m
Mode:	Tx; GSM1900 / GMSK + BT, DH5, 2480MHz
Test Date:	2021-08-25
Note:	



=== End of test report ===