

FCC TEST REPORT

FCC 47 CFR Part 22H
Industry Canada RSS-132, Issue 2
Cellular Telephones Operating in the Bands 824-849MHz and 869-894MHz
FCC 47 CFR Part 24E
Industry Canada RSS-133, Issue 5
2GHz Personal Communication Services

Report Reference No. : G0M-1111-1529-TFC224M-V01

Testing Laboratory : Eurofins Product Service GmbH

Address : Storkower Str. 38c
15526 Reichenwalde
Germany

Accreditation :



A2LA Accredited Testing Laboratory, Certificate No.: 1983.01
FCC Filed Test Laboratory, Reg.-No.: 96970
IC OATS Filing assigned code: 3470A

Applicant's name : TomTom International BV

Address : Rembrandtplein 35
1017 CT Amsterdam
The Netherlands

Test specification:

Standard..... : 47 CFR Part 22H, 47 CFR Part 24E
RSS-132, Issue 2 : 2005-09, RSS-133, Issue 5 : 2009-02
SRSP-503 Issue 7 : 2008-09, SRSP-510 Issue 5 : 2009-02
RSS-Gen, Issue 3, 2010-12, ANSI/TIA-603-C-2004

Equipment under test (EUT):

Product description Telematic Device with GPRS/BT/GPS
Model No. LINK 5
Hardware version TomTom drs1_2a_pcb 37/2011
Firmware / Software version 10.02.855
FCC-ID: S4LLINK500 IC: N/A

Test result Passed

Test Report No.: G0M-1111-1529-TFC224M-V01

Eurofins Product Service GmbH
Storkower Str. 38c, D-15526 Reichenwalde, Germany

Possible test case verdicts:

- neither assessed nor tested : N/N
- required by standard but not appl. to test object : N/A
- required by standard but not tested : N/T
- not required by standard for the test object : N/R
- test object does meet the requirement : P (Pass)
- test object does not meet the requirement : F (Fail)

Testing:

Date of receipt of test item : 2011-11-14

Date (s) of performance of tests : 2011-11-16 - 2011-11-17

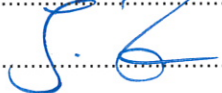
Compiled by : Christian Weber

Tested by (+ signature) : Burkhard Pudell

Approved by (+ signature) : Jens Zimmermann

Date of issue : 2012-01-23

Total number of pages : 190



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:

REPORT INDEX

1	EQUIPMENT (TEST ITEM) DESCRIPTION	4
1.1	Photos – Equipment External	6
1.2	Photos – Equipment internal	8
1.3	Photos – Test setup	11
1.4	Supporting Equipment Used During Testing	12
1.5	Test Modes	13
1.6	Test Equipment Used During Testing	14
1.7	Sample emission level calculation	15
2	RESULT SUMMARY	16
3	TEST CONDITIONS AND RESULTS	17
3.1	Test Conditions and Results – Effective radiated power / Equivalent isotropic radiated power	17
3.2	Test Conditions and Results – Transmitter radiated emissions	19
ANNEX A	Transmitter radiated power	21
ANNEX B	Transmitter radiated spurious emissions	46

1 Equipment (Test item) Description

Description	Telematic Device with GPRS/BT/GPS		
Model	LINK 5		
Serial number	None		
Hardware version	TomTom drs1_2a_pcb 37/2011		
Software / Firmware version	10.02.855		
FCC-ID	S4LLINK500		
IC	N/A		
Equipment type	End product		
Equipment classification	Mobile Device (Human Body distance > 20 cm)		
Radio type	Transceiver		
Radio technology	GSM850 / GSM1900		
Operating frequency range	GSM850 : TX = 824 - 849MHz, RX = 869 - 894MHz GSM1900 : TX = 1850 - 1910MHz, RX = 1930 - 1990MHz		
Assigned frequency band	Cell. Service Block A & B : 824 - 849MHz & 869 - 894MHz Broadband PCS : 1850 - 1910MHz & 1930 - 1990MHz		
Main test frequencies GSM850	F _{LOW}	CH : 128 UL: 824.2MHz	CH : 128 DL: 869.2MHz
	F _{MID}	CH : 188 UL: 836.2MHz	CH : 188 DL: 881.2MHz
	F _{HIGH}	CH : 251 UL: 848.8MHz	CH : 251 DL: 893.8MHz
Main test frequencies GSM1900	F _{LOW}	CH : 512 UL: 1850.2MHz	CH : 512 DL: 1930.2MHz
	F _{MID}	CH : 661 UL: 1880.0MHz	CH : 661 DL: 1960.0MHz
	F _{HIGH}	CH : 810 UL: 1909.8MHz	CH : 810 DL: 1989.8MHz
Supported transmission modes	GSM, GPRS		
Modulations	GSM, GPRS : GMSK		
Multislot class	10		
Number of antennas	1		
Radio module	Type	GSM/GPRS module	
	Model	7902	
	Manufacturer	Arima	
	HW Version	EP1	
	SW Version	00.02.08_US	
	FCC-ID	PJO7902	
	IC	N/A	
Antenna, External	Type	external dedicated	
	Model	2J562	
	Manufacturer	2J s.r.o.	
	Gain	824-960MHz = 2.2dBi 1710-2170MHz = 2.2dBi	

Test Report No.: G0M-1111-1529-TFC224M-V01

Eurofins Product Service GmbH
Storkower Str. 38c, D-15526 Reichenwalde, Germany

Antenna, Internal	Type	integrated
	Model	A10315
	Manufacturer	Antenova
	Gain	824-960MHz = -1.3dBi 1710-2170MHz = -1.5dBi
Manufacturer	Quanta Computer Inc. No.188, Wen Hwa 2nd Road., Kuei Shan Hsiang 00333 Tao Yuan Shien Taiwan (ROC)	
Power supply	V _{NOM}	12 or 24VDC (Battery only)
	V _{MIN}	N/A
	V _{MIN}	N/A
AC/DC-Adaptor	Model	N/A
	Vendor	N/A
	Input	N/A
	Output	N/A

1.4 Supporting Equipment Used During Testing

Product Type*	Device	Manufacturer	Model No.	Comments
SIM	Communication tester	Rohde & Schwarz	CMU 200	
*Note: Use the following abbreviations: AE : Auxiliary/Associated Equipment, or SIM : Simulator (Not Subjected to Test) CABL : Connecting cables				

1.5 Test Modes

Mode #	Description	
GSM850-Ext	General conditions:	EUT powered by battery. External GSM and GPS antenna connected. Active call to communication tester.
	Radio conditions:	Mode = transmit Connection = Circuit switched Modulation = GMSK Slot configuration = 1 up / 1 down Power level = Maximum (PCL5)
GSM850-Int	General conditions:	EUT powered by battery. Internal GSM and external GPS antenna connected. Active call to communication tester.
	Radio conditions:	Mode = transmit Connection = Circuit switched Modulation = GMSK Slot configuration = 1 up / 1 down Power level = Maximum (PCL5)
GSM1900-Ext	General conditions:	EUT powered by battery. External GSM and GPS antenna connected. Active call to communication tester.
	Radio conditions:	Mode = transmit Connection = Circuit switched Modulation = GMSK Slot configuration = 1 up / 1 down Power level = Maximum (PCL0)
GSM1900-Int	General conditions:	EUT powered by battery. Internal GSM and external GPS antenna connected. Active call to communication tester.
	Radio conditions:	Mode = transmit Connection = Circuit switched Modulation = GMSK Slot configuration = 1 up / 1 down Power level = Maximum (PCL0)

1.6 Test Equipment Used During Testing

Radiated power					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Fully-anechoic chamber	Frankonia	AC 3	ETS 0310		
Spectrum Analyzer	R&S	FSIQ 26	ETS 0413	2011-04	2012-04
Biconical Antenna	R&S	HK 116	EF00186	2011-12	2013-12
LPD Antenna	R&S	HL 223	EF00202	2011-12	2013-12
LPD Antenna	R&S	HL 025	ETS 0014	2011-11	2013-11

Radiated spurious emissions					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Semi-anechoic chamber	Frankonia	AC 5	ETS 0583		
Spectrum Analyzer	R&S	FSEK 30	ETS 0271	2011-07	2013-03
Biconical Antenna	R&S	HK 116	ETS 0012	2010-01	2013-01
LPD Antenna	R&S	HL 223	ETS 0336	2010-01	2013-01
LPD Antenna	R&S	HL 025	ETS 0512	2010-02	2013-02

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:

$$\text{Reading on Analyzer (dB}\mu\text{V)} + \text{A.F. (dB)} = \text{Net field strength (dB}\mu\text{V/m)}$$

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:

$$\text{Limit (dB}\mu\text{V/m)} = 20 \cdot \log (\mu\text{V/m})$$

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:

$$\begin{array}{rclcl} \text{Reading} & + & \text{AF} & = & \text{Net Reading} & : & \text{Net reading - FCC limit} & = & \text{Margin} \\ 21.5 \text{ dB}\mu\text{V} & + & 26 \text{ dB} & = & 47.5 \text{ dB}\mu\text{V/m} & : & 47.5 \text{ dB}\mu\text{V/m} - 57.0 \text{ dB}\mu\text{V/m} & = & -9.5 \text{ dB} \end{array}$$

2 Result Summary

FCC 47 CFR Part 22H, 24E, IC RSS-132, 133				
Product Specific Standard Section	Requirement – Test	Reference Method	Result	Remarks
RSS-Gen 4.6.1	Occupied Bandwidth	RSS-Gen 4.6.1	N/R	Informational only
FCC § 24.235 FCC § 22.355 IC RSS-132 § 4.3 IC RSS-133 § 6.3	Frequency stability	FCC § 24.235 FCC § 22.355 IC RSS-132 § 4.3 IC RSS-133 § 6.3	N/R	
FCC § 22.913(a)	Effective radiated power	ANSI/TIA-603-C	PASS	
FCC § 24.232(c) IC RSS-132 § 4.4 IC RSS-133 § 6.4	Equivalent isotropic radiated power	ANSI/TIA-603-C	PASS	
FCC § 24.232(d) IC RSS-133 § 6.4	Peak to average ratio	FCC § 24.232(d) IC RSS-133 § 6.4	N/R	
FCC § 22.917(b) FCC § 24.238(b) IC RSS-132 § 4.5 IC RSS-133 § 6.5	Band-edge compliance	FCC § 22.917(b) FCC § 24.238(b) IC RSS-132 § 4.5 IC RSS-133 § 6.5	N/R	
FCC § 22.917(a) FCC § 24.238(a) IC RSS-132 § 4.5 IC RSS-133 § 6.5	Conducted out-of-band emissions	FCC § 22.917(a) FCC § 24.238(a) IC RSS-132 § 4.5 IC RSS-133 § 6.5	N/R	
FCC § 22.917(a) FCC § 24.238(a) IC RSS-132 § 4.5 IC RSS-133 § 6.5	Radiated out-of-band emissions	ANSI/TIA-603-C	PASS	
Remarks:				

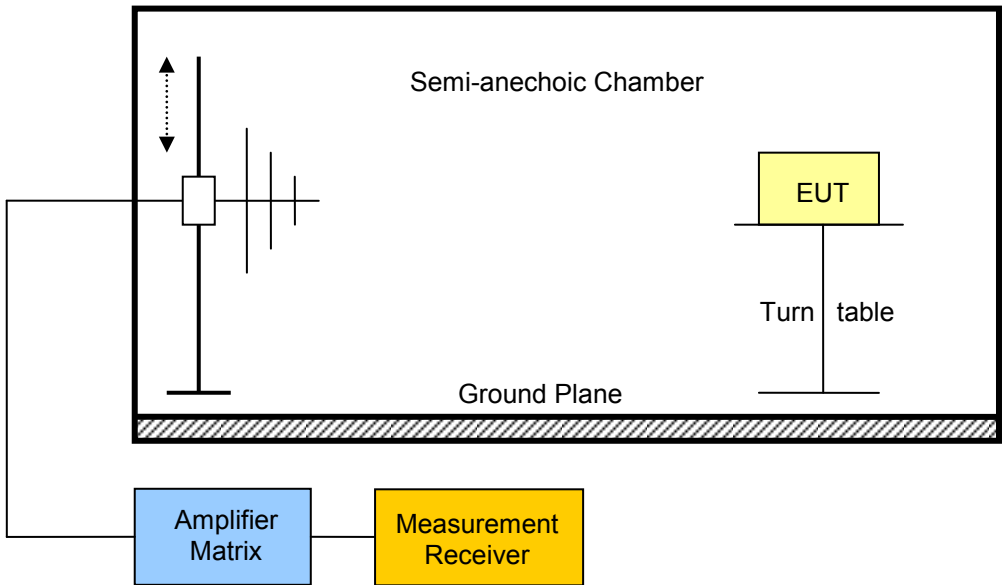
3 Test Conditions and Results

3.1 Test Conditions and Results – Effective radiated power / Equivalent isotropic radiated power

Radiated power acc. FCC 22H / FCC 24E / IC RSS-132 / IC RSS-133			Verdict: PASS
EUT requirement rule parts and clause	Reference		
	FCC § 22.913(a) / FCC § 24.232(c) IC RSS-132 § 4.4 /IC RSS-133 § 6.4		
Test according to measurement reference	Reference Method		
	FCC § 22.913(a) / FCC § 24.232(c) / ANSI/TIA-603-C IC RSS-132 § 4.4 /IC RSS-133 § 6.4		
Test frequency range	Tested frequencies		
	F_{LOW} / F_{MID} / F_{HIGH}		
Limits			
Frequency range	Equipment type	Power limit	
824-849MHz	Mobile transmitter	FCC : 7 Watts (38.45dBm) e.i.r.p. IC : 11.5 Watts (40.6dBm) e.i.r.p.	
1850-1910MHz	Mobile transmitter	FCC : 2 Watts (33dBm) e.i.r.p. IC : 2 Watts (33dBm) e.i.r.p.	
Test setup			

Test procedure							
1. EUT set to test mode 2. The radiated power is measured with a measurement antenna in vertical polarization 3. To obtain maximum level the EUT is rotated 4. The EUT is replaced with a half-wave dipole and the power to the dipole is adjusted to obtain same radiated power measurement value							
Test results – GSM850 E.R.P.							
Channel	Frequency [MHz]	Mode	Pol.	Power [dBm e.r.p]	Limit [dBm e.r.p]	Margin [dB]	Result
F _{LOW}	824.2	GSM850-Ext	hor	23.60	38.45	-14.85	PASS
F _{LOW}	824.2	GSM850-Ext	ver	23.59	38.45	-14.86	PASS
F _{MID}	836.2	GSM850-Ext	hor	25.69	38.45	-12.76	PASS
F _{MID}	836.2	GSM850-Ext	ver	26.22	38.45	-12.23	PASS
F _{HIGH}	848.8	GSM850-Ext	hor	25.80	38.45	-12.65	PASS
F _{HIGH}	848.8	GSM850-Ext	ver	26.50	38.45	-11.95	PASS
F _{LOW}	824.2	GSM850-Int	hor	30.48	38.45	-7.97	PASS
F _{LOW}	824.2	GSM850-Int	ver	19.32	38.45	-19.13	PASS
F _{MID}	836.2	GSM850-Int	hor	31.94	38.45	-6.51	PASS
F _{MID}	836.2	GSM850-Int	ver	18.10	38.45	-20.35	PASS
F _{HIGH}	848.8	GSM850-Int	hor	34.46	38.45	-3.99	PASS
F _{HIGH}	848.8	GSM850-Int	ver	19.19	38.45	-19.26	PASS
Test results – GSM1900 E.I.R.P.							
Channel	Frequency [MHz]	Mode	Pol.	Power [dBm e.i.r.p]	Limit [dBm e.i.r.p]	Margin [dB]	Result
F _{LOW}	1850.2	GSM1900-Ext	hor	20.80	33	-12.20	PASS
F _{LOW}	1850.2	GSM1900-Ext	ver	21.49	33	-11.51	PASS
F _{MID}	1880.0	GSM1900-Ext	hor	23.52	33	-9.48	PASS
F _{MID}	1880.0	GSM1900-Ext	ver	22.49	33	-10.51	PASS
F _{HIGH}	1909.8	GSM1900-Ext	hor	22.72	33	-10.28	PASS
F _{HIGH}	1909.8	GSM1900-Ext	ver	22.73	33	-10.27	PASS
F _{LOW}	1850.2	GSM1900-Int	hor	32.59	33	-0.41	PASS
F _{LOW}	1850.2	GSM1900-Int	ver	14.19	33	-18.81	PASS
F _{MID}	1880.0	GSM1900-Int	hor	32.40	33	-0.60	PASS
F _{MID}	1880.0	GSM1900-Int	ver	17.16	33	-15.84	PASS
F _{HIGH}	1909.8	GSM1900-Int	hor	32.69	33	-0.31	PASS
F _{HIGH}	1909.8	GSM1900-Int	ver	18.43	33	-14.57	PASS
Comments:							

3.2 Test Conditions and Results – Transmitter radiated emissions

Transmitter radiated power acc. FCC 22H / FCC 24E / IC RSS-132 / IC RSS-133			Verdict: PASS
Test according referenced standards	Reference Method		
	FCC § 22.917(a) / FCC § 24.238(a) IC RSS-132 § 4.5 / IC RSS-133 § 6.5		
Test according to measurement reference	Reference Method		
	ANSI/TIA-603-C		
Test frequency range	Tested frequencies		
	30MHz – 10 th Harmonic		
Limits			
Frequency range	Limit		
824-849MHz	Attenuation below transmitter power ≥ 43+10·log ₁₀ (P) [dB] = -13dBm		
1850-1910MHz	Attenuation below transmitter power ≥ 43+10·log ₁₀ (P) [dB] = -13dBm		
Test setup			
			
Test procedure			
1. EUT set to test mode 2. Maximum emission level is measured by rotating the EUT and adjusting the antenna height for vertical polarization 3. The EUT is replaced by a substitution antenna and generator 4. The power level is set to obtain the same power reading 5. Measurement is repeated for horizontal polarization			

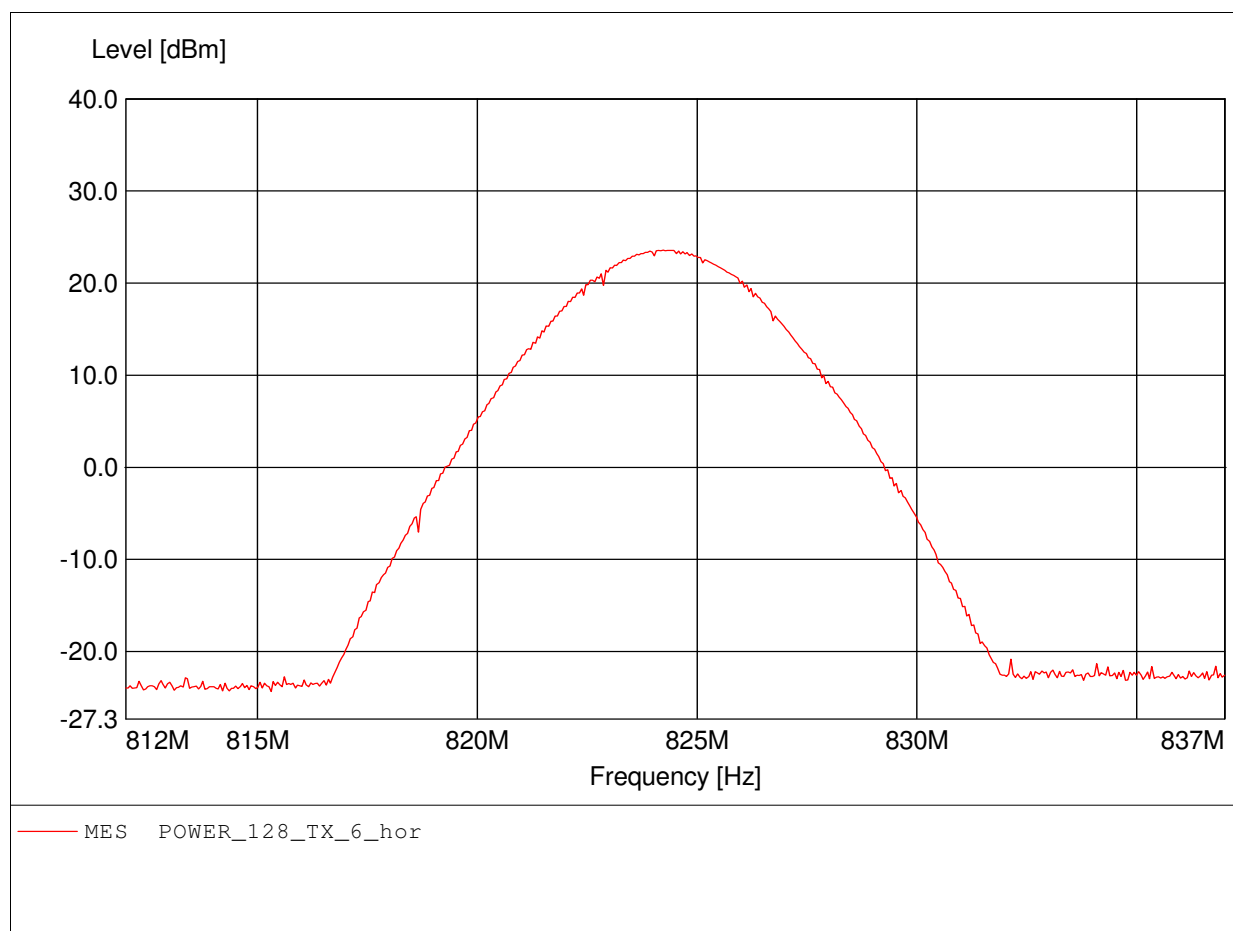
Test results – GSM850							
Channel	Frequency [MHz]	Mode	Emission [MHz]	Level [dbm]	Pol.	Limit [dBm]	Margin [dB]
F _{LOW}	824.2	GSM850-Ext	824.00	-24.05	ver	-13.0	-11.05
F _{LOW}	824.2	GSM850-Ext	824.00	-28.46	hor	-13.0	-15.46
F _{HIGH}	848.8	GSM850-Ext	849.02	-21.16	ver	-13.0	-8.16
F _{HIGH}	848.8	GSM850-Ext	849.01	-24.02	hor	-13.0	-11.02
F _{LOW}	824.2	GSM850-Int	824.00	-30.00	ver	-13.0	-17.00
F _{LOW}	824.2	GSM850-Int	824.00	-14.26	hor	-13.0	-1.26
F _{HIGH}	848.8	GSM850-Int	849.02	-29.57	ver	-13.0	-16.57
F _{HIGH}	848.8	GSM850-Int	849.01	-16.04	hor	-13.0	-3.04
Test results – GSM1900							
Channel	Frequency [MHz]	Mode	Emission [MHz]	Level [dbm]	Pol.	Limit [dBm]	Margin [dB]
F _{LOW}	1850.2	GSM850-Ext	1850	-27.45	ver	-13.0	-14.45
F _{LOW}	1850.2	GSM850-Ext	1850	-25.53	hor	-13.0	-12.53
F _{HIGH}	1909.8	GSM850-Ext	1910	-28.11	ver	-13.0	-15.11
F _{HIGH}	1909.8	GSM850-Ext	1910	-25.48	hor	-13.0	-12.48
F _{LOW}	1850.2	GSM850-Int	1850	-18.22	hor	-13.0	-5.22
F _{MID}	1880.0	GSM850-Int	11287	-32.69	ver	-13.0	-19.69
F _{HIGH}	1909.8	GSM850-Int	1910	-16.55	hor	-13.0	-3.55
Comments:							

ANNEX A Transmitter radiated power

Effective Radiated Power

FCC RULES PART 22 SUBPART H

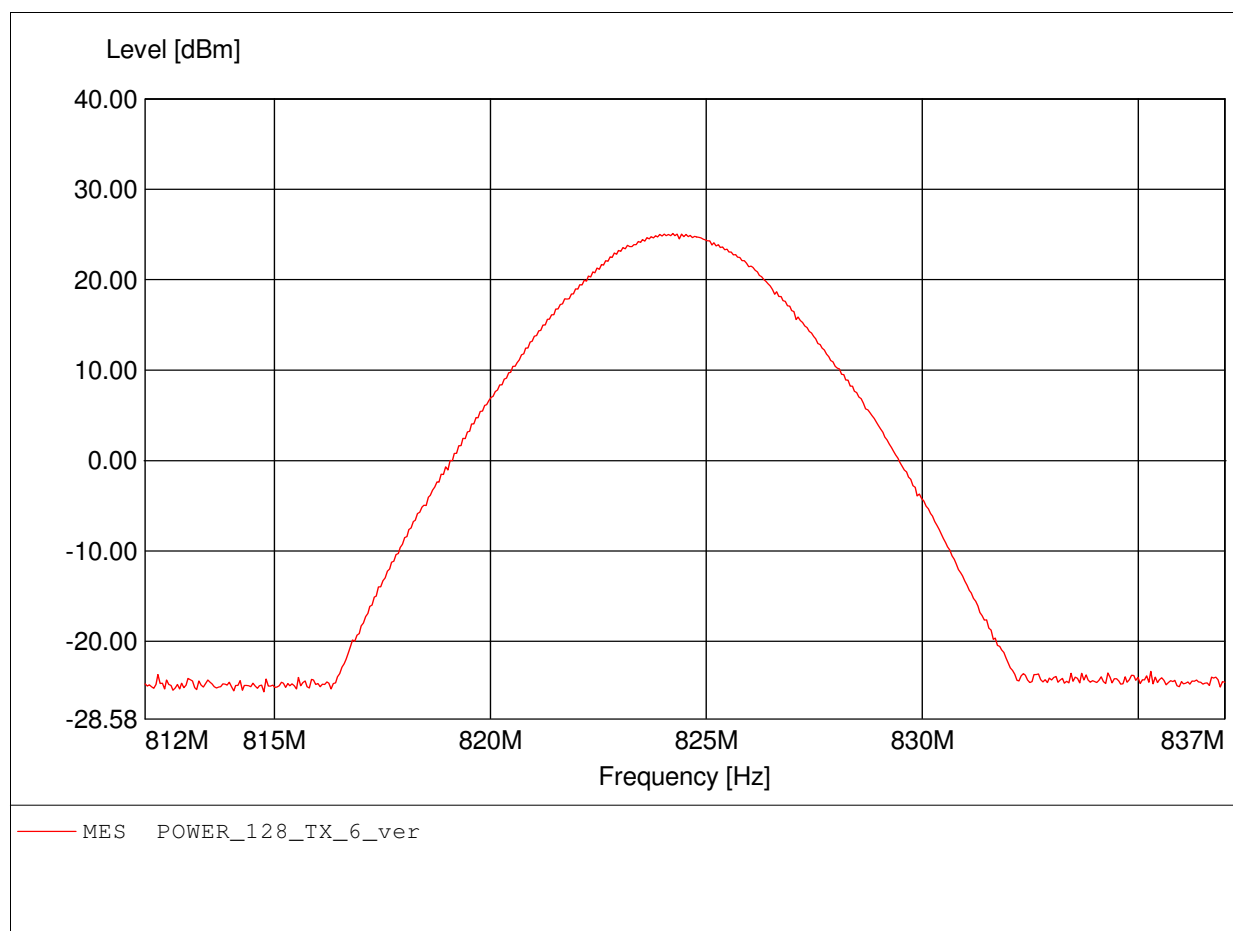
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 128
Comment 1: Dist.: 3m, Ant.: HL223
Comment 2: Freq: 824.224MHz, Pmax: 23.60dBm, RBW: 3MHz



Effective Radiated Power

FCC RULES PART 22 SUBPART H

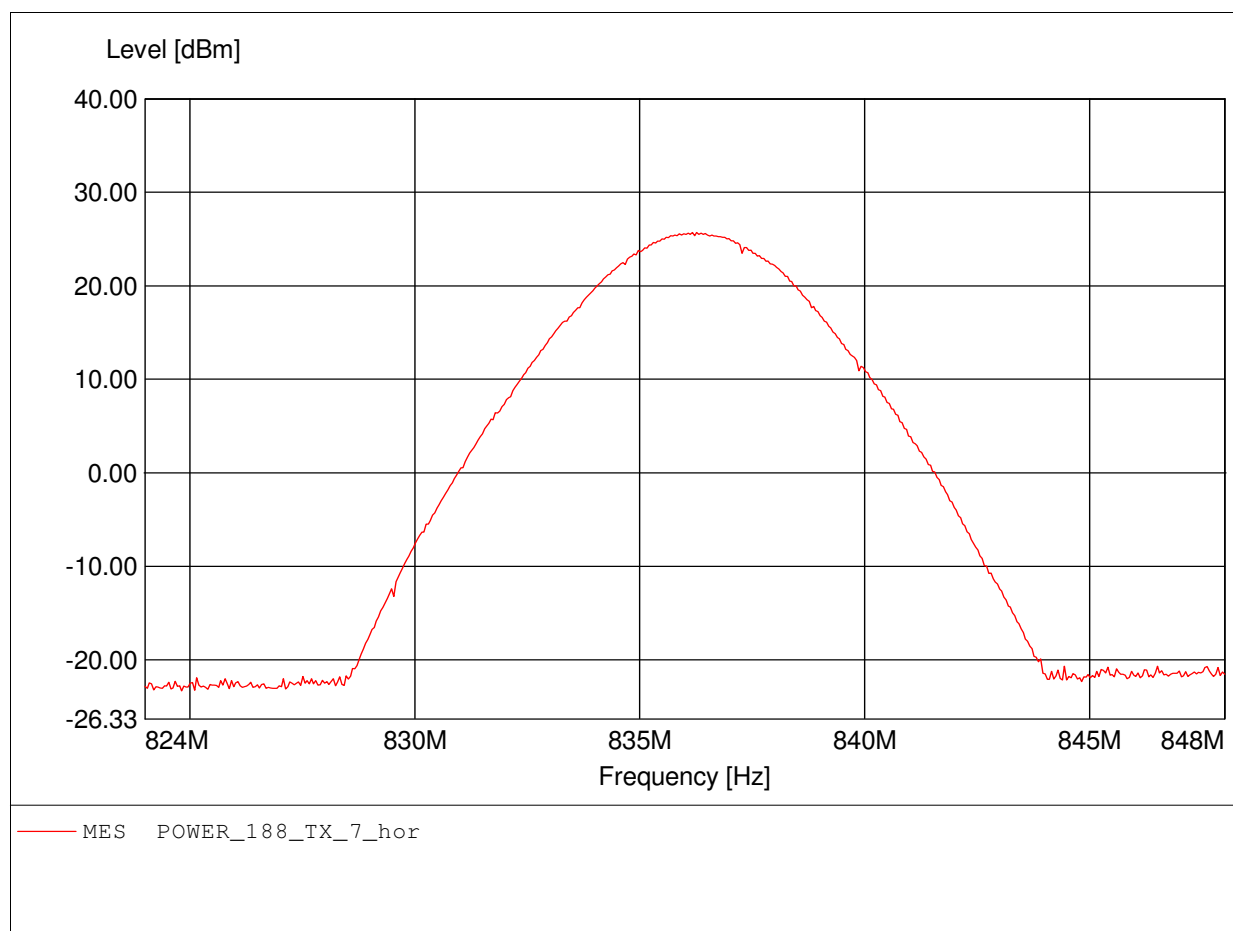
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 128
Comment 1: Dist.: 3m, Ant.: HL223
Comment 2: Freq: 824.224MHz, Pmax: 25.09dBm, RBW: 3MHz



Effective Radiated Power

FCC RULES PART 22 SUBPART H

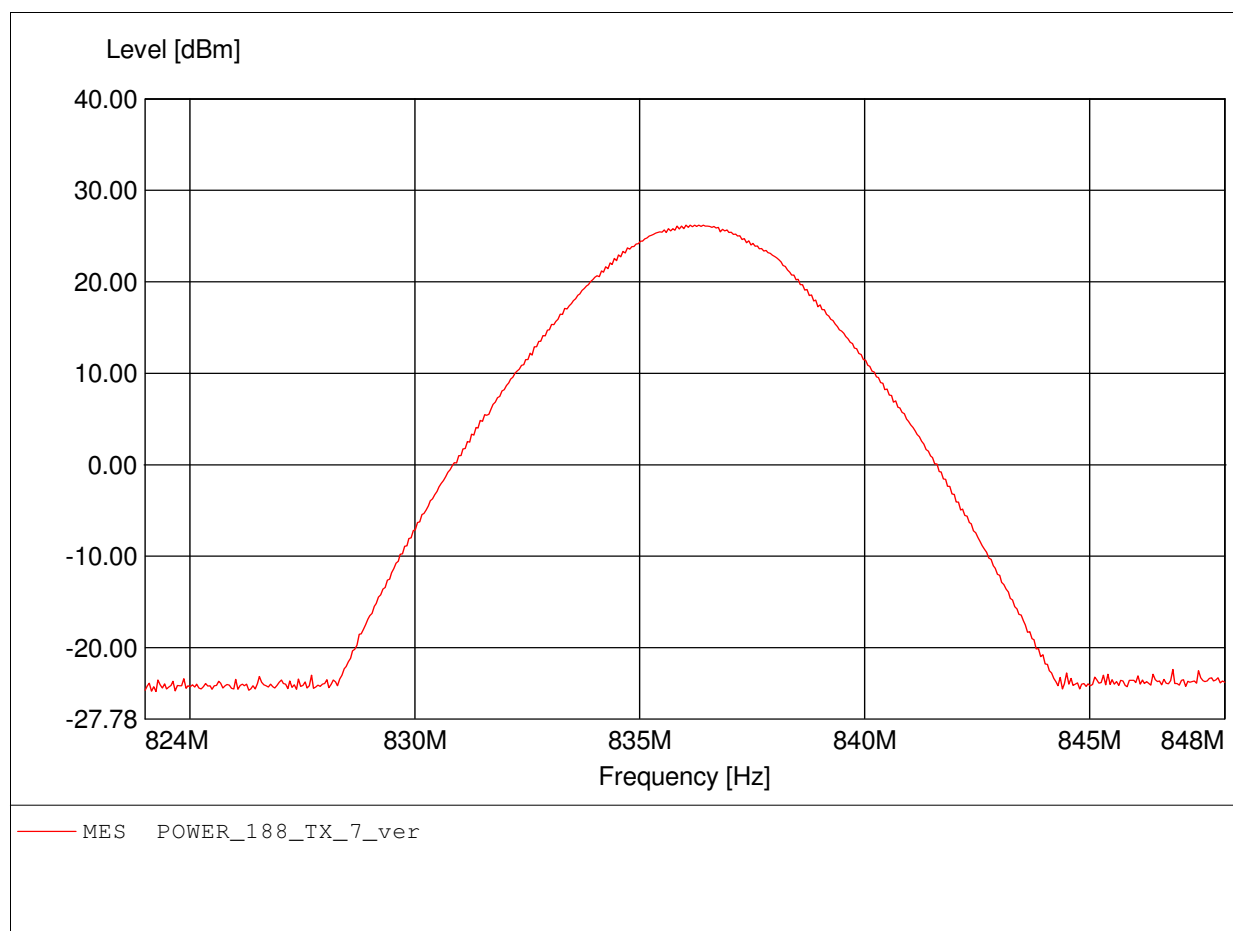
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 188
Comment 1: Dist.: 3m, Ant.: HL223
Comment 2: Freq: 836.265MHz, Pmax: 25.69dBm, RBW: 3MHz



Effective Radiated Power

FCC RULES PART 22 SUBPART H

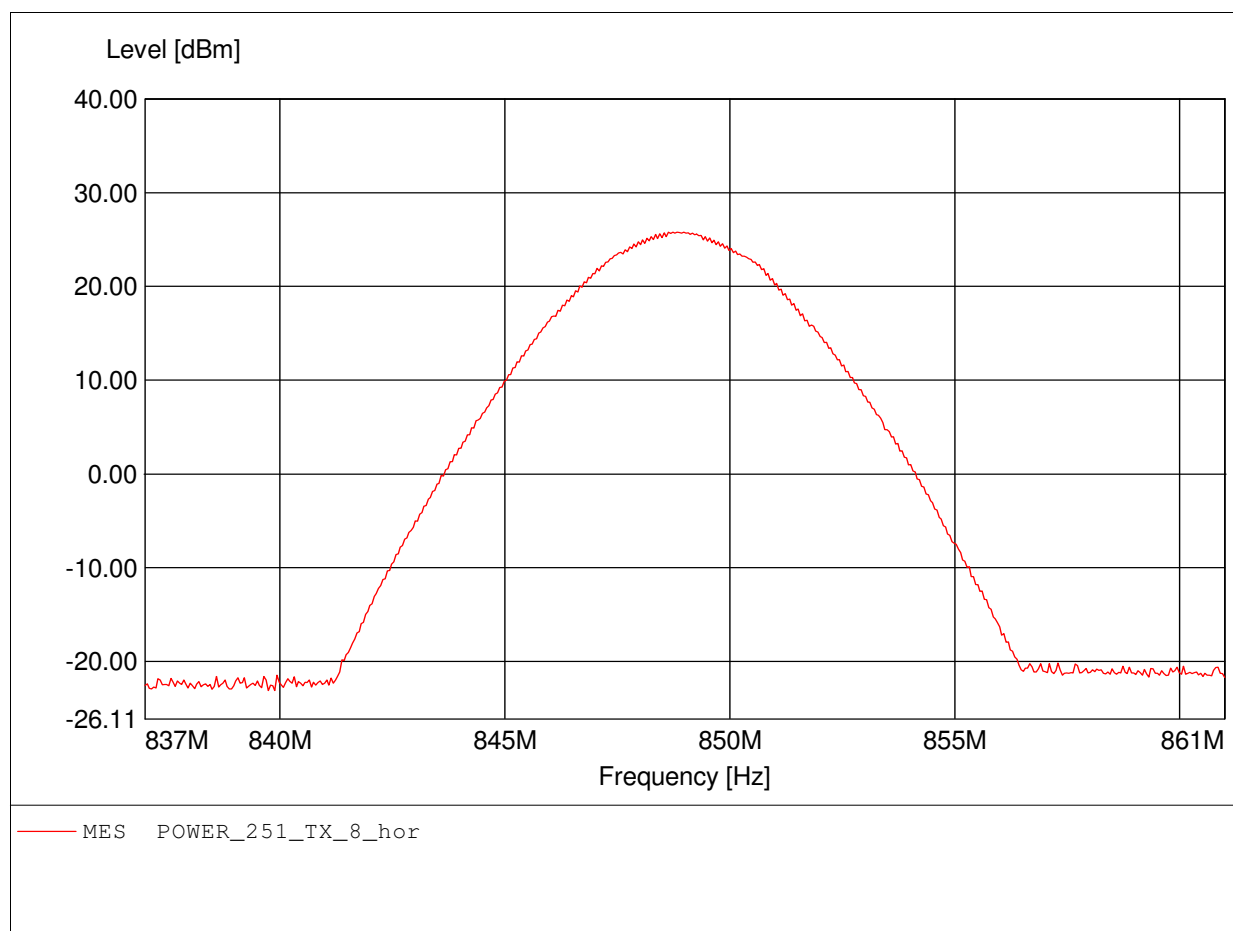
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 188
Comment 1: Dist.: 3m, Ant.: HL223
Comment 2: Freq: 836.120MHz, Pmax: 26.22dBm, RBW: 3MHz



Effective Radiated Power

FCC RULES PART 22 SUBPART H

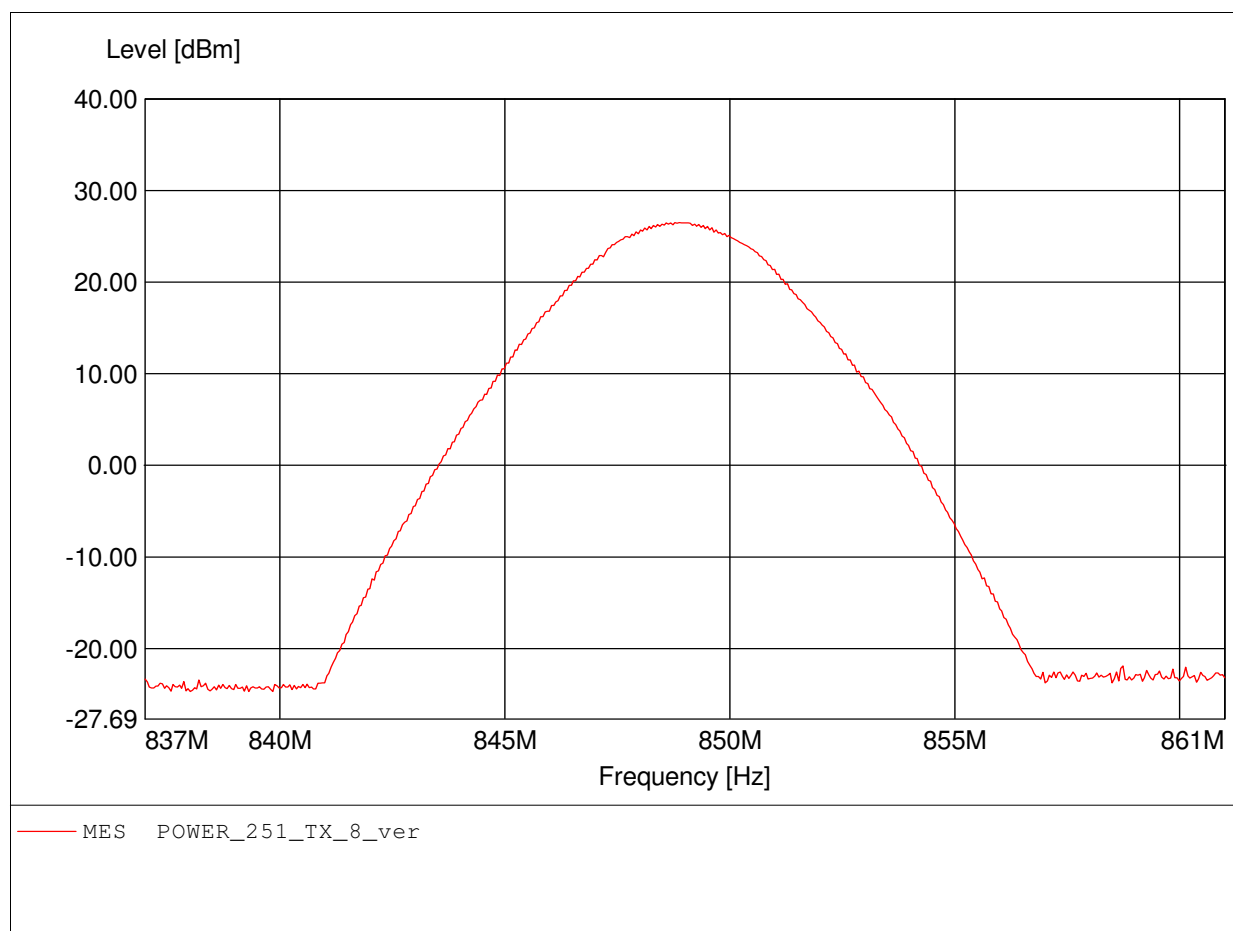
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 251
Comment 1: Dist.: 3m, Ant.: HL223
Comment 2: Freq: 848.832MHz, Pmax: 25.80dBm, RBW: 3MHz



Effective Radiated Power

FCC RULES PART 22 SUBPART H

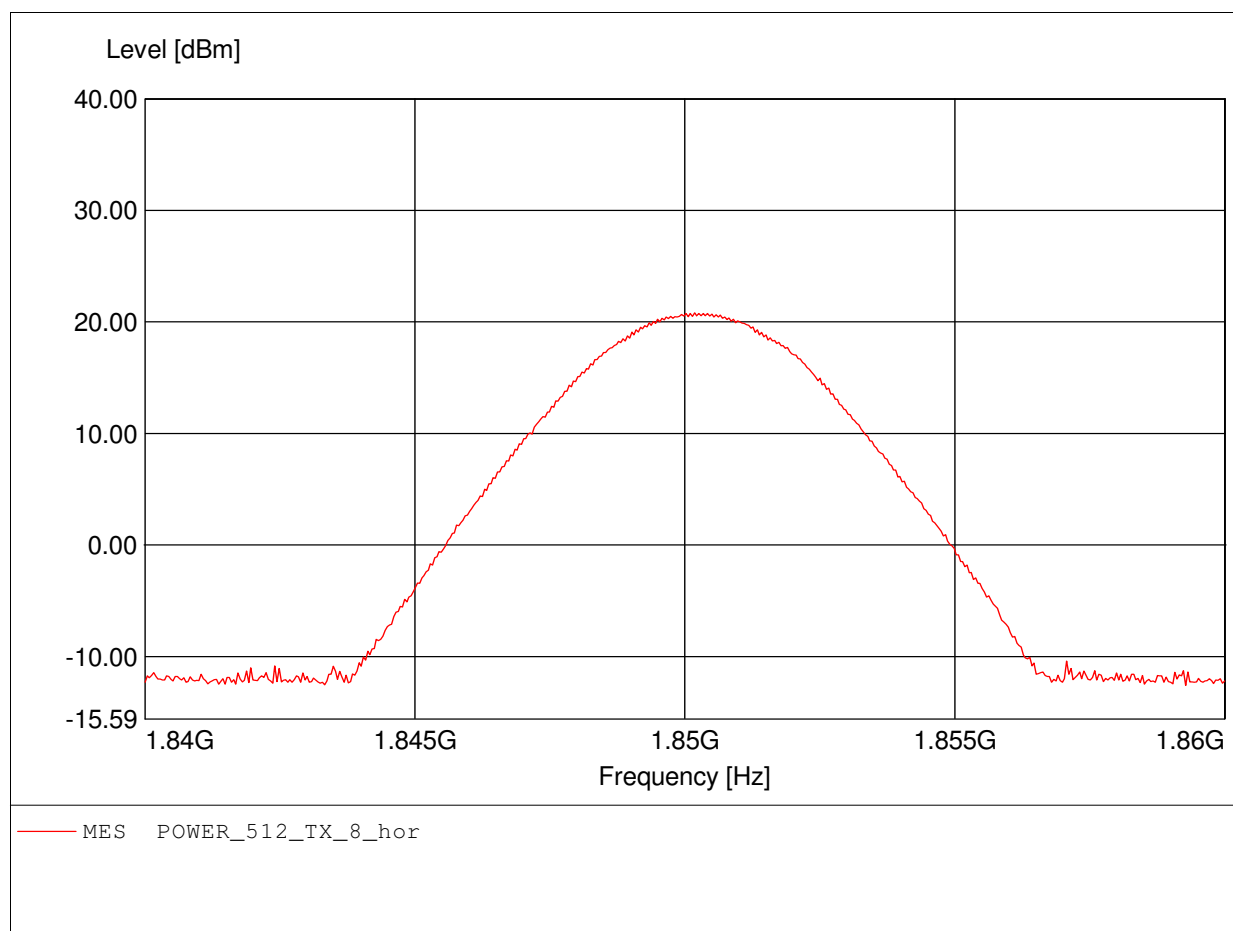
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 251
Comment 1: Dist.: 3m, Ant.: HL223
Comment 2: Freq: 848.880MHz, Pmax: 26.50dBm, RBW: 3MHz



Equivalent Isotropically Radiated Power

FCC RULES PART 24 SUBPART E

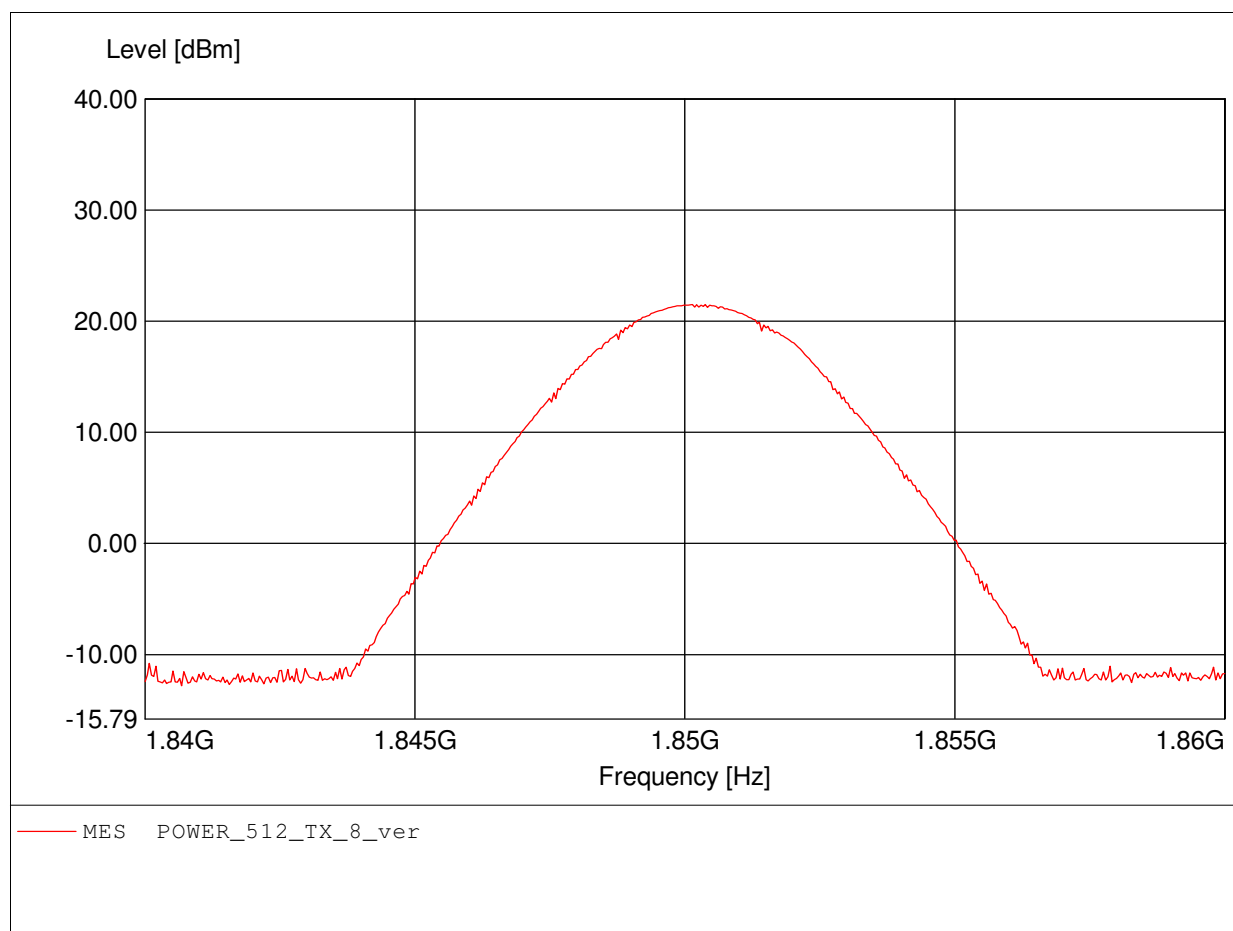
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 512
Comment 1: Dist.: 3m, Ant.: HL025, PCL 0
Comment 2: Freq: 1.850GHz, Pmax: 20.80dBm, RBW: 3MHz



Equivalent Isotropically Radiated Power

FCC RULES PART 24 SUBPART E

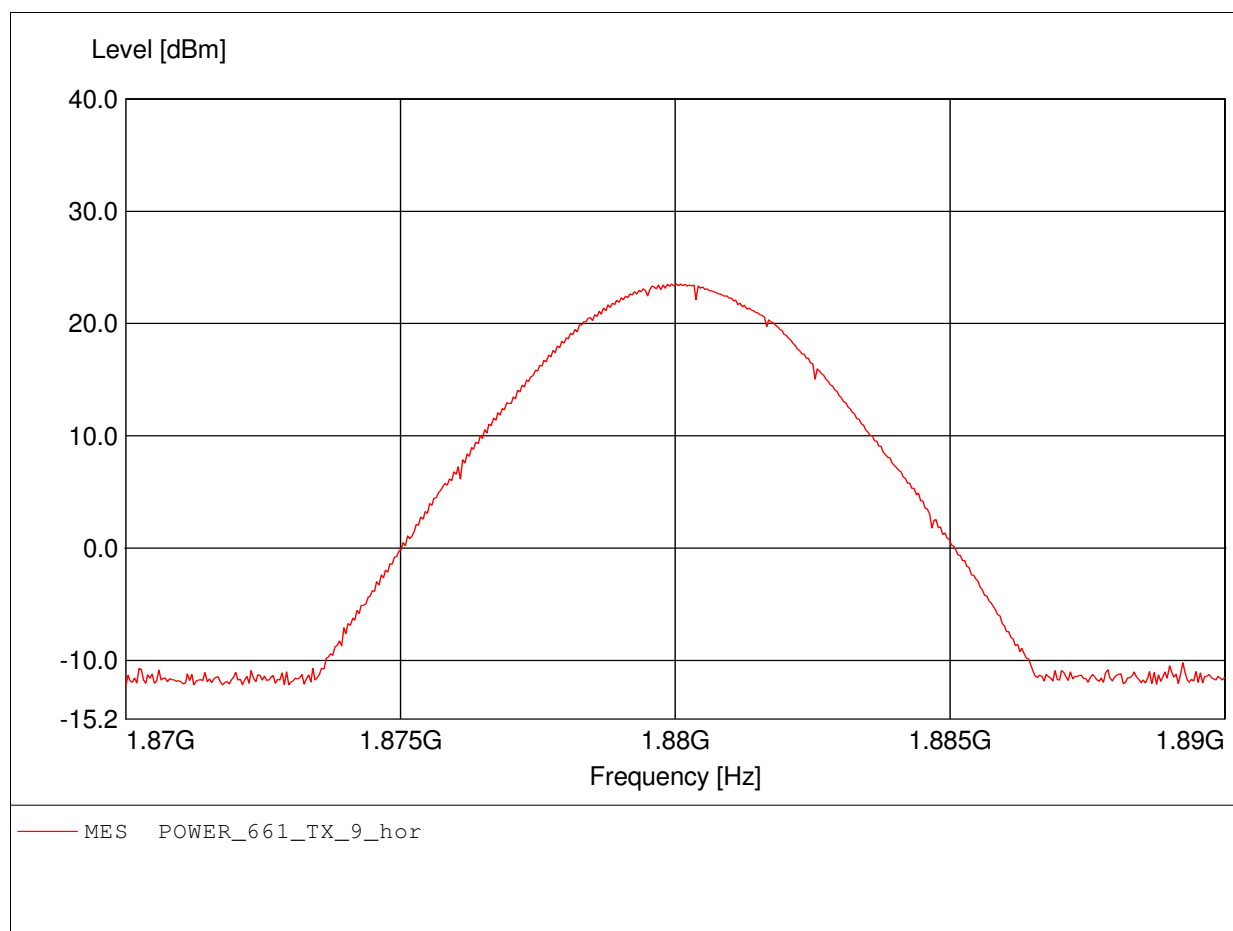
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 512
Comment 1: Dist.: 3m, Ant.: HL025, PCL 0
Comment 2: Freq: 1.850GHz, Pmax: 21.49dBm, RBW: 3MHz



Equivalent Isotropically Radiated Power

FCC RULES PART 24 SUBPART E

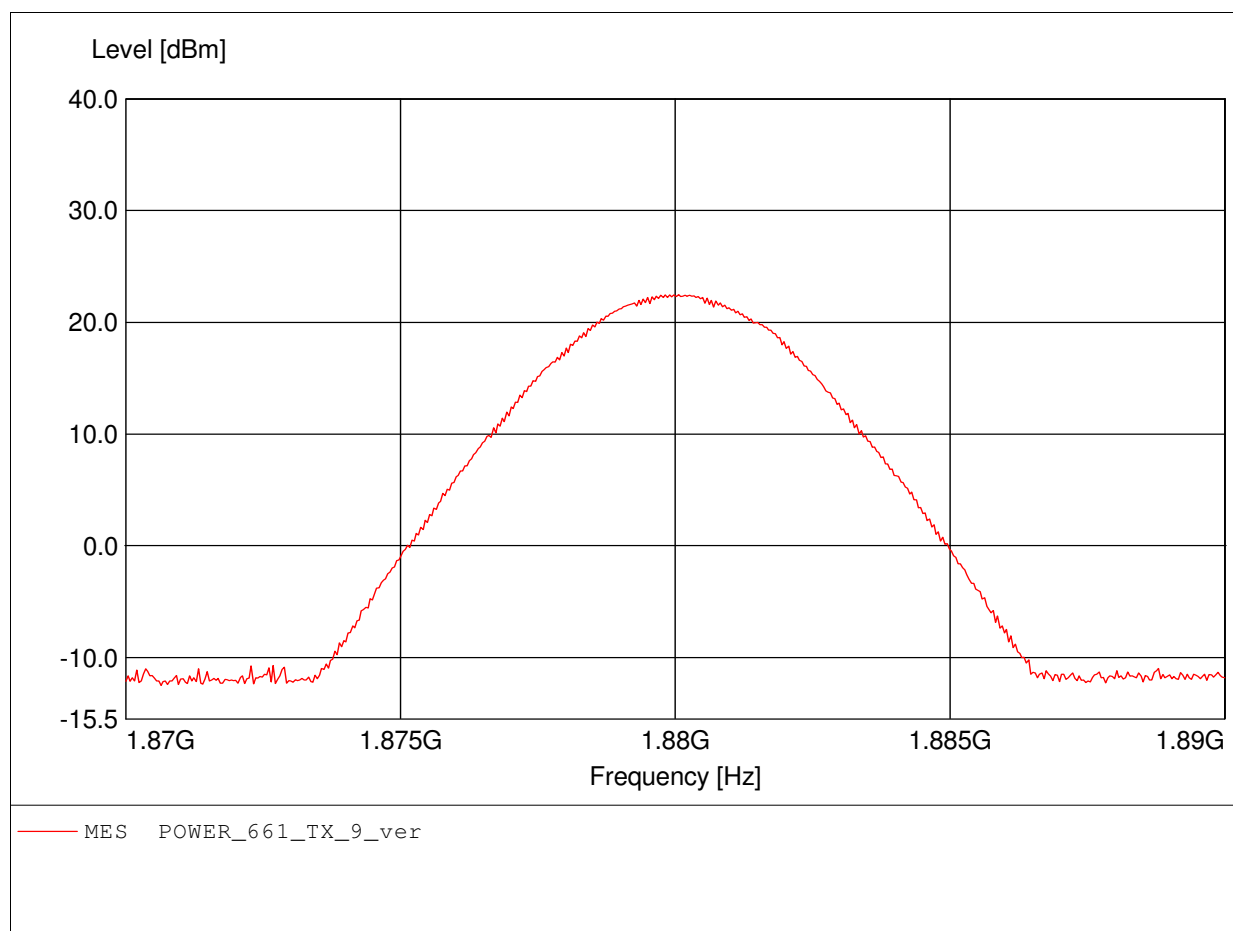
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 661
Comment 1: Dist.: 3m, Ant.: HL025, PCL 0
Comment 2: Freq: 1.880GHz, Pmax: 23.52dBm, RBW: 3MHz



Equivalent Isotropically Radiated Power

FCC RULES PART 24 SUBPART E

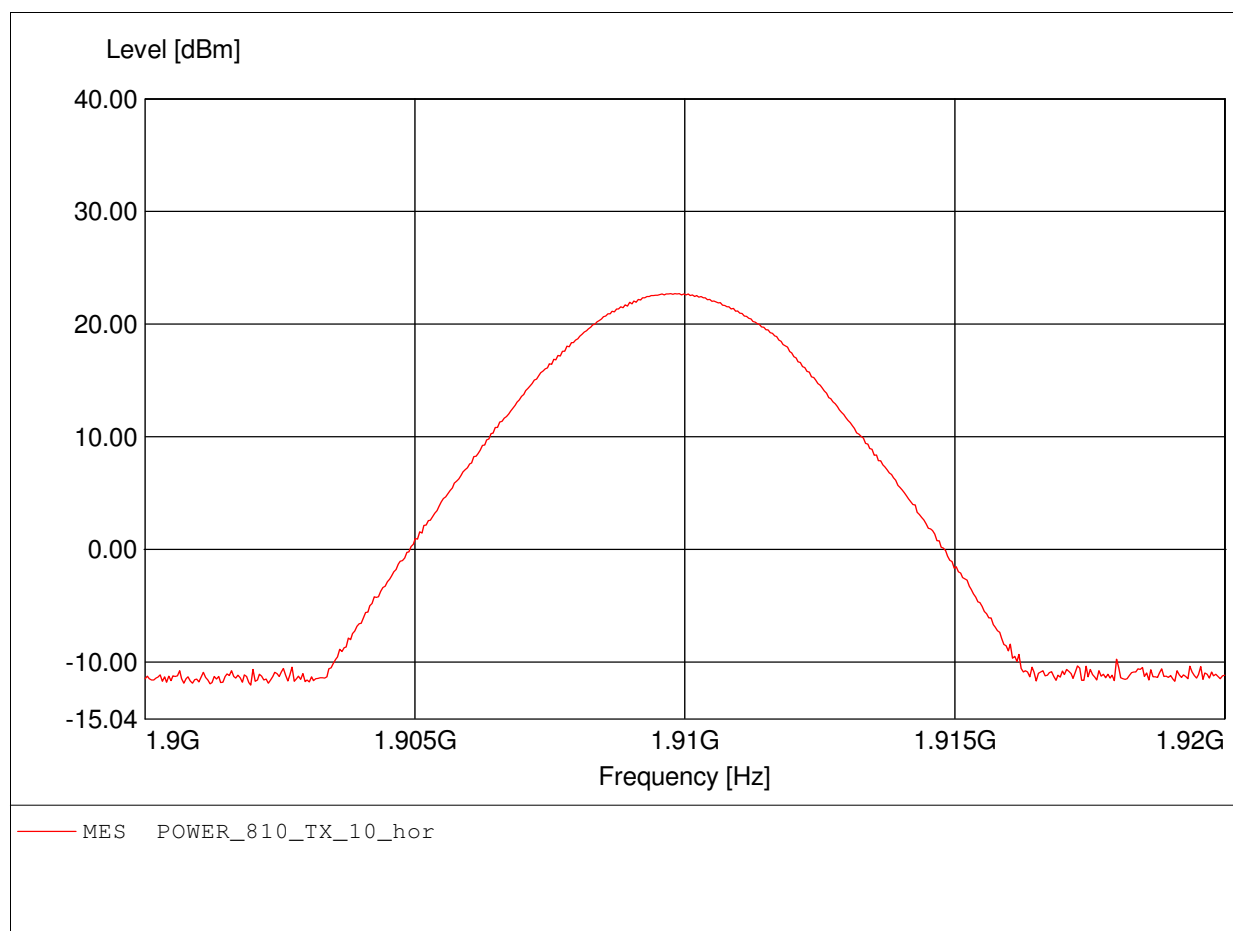
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 661
Comment 1: Dist.: 3m, Ant.: HL025, PCL 0
Comment 2: Freq: 1.880GHz, Pmax: 22.48dBm, RBW: 3MHz



Equivalent Isotropically Radiated Power

FCC RULES PART 24 SUBPART E

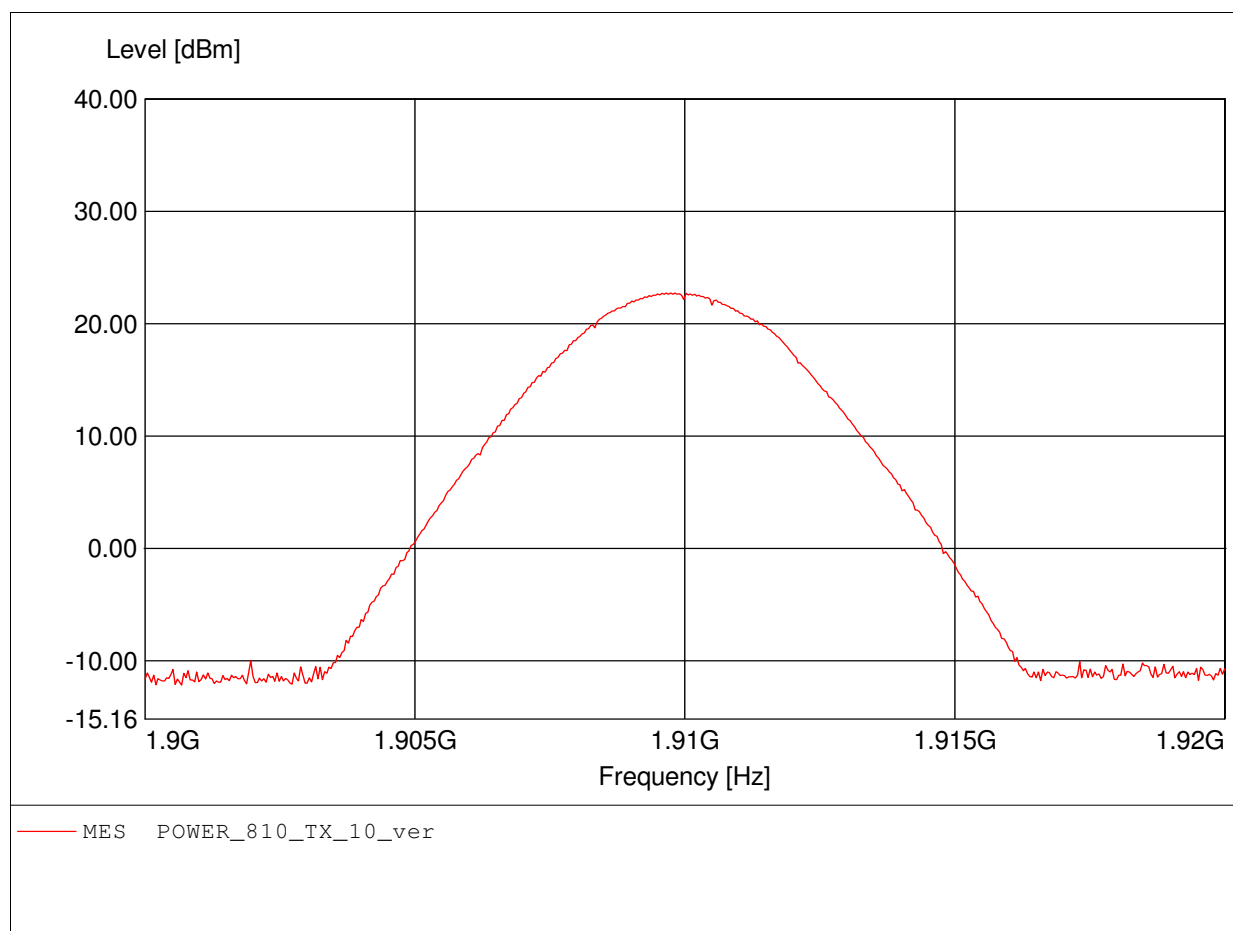
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 810
Comment 1: Dist.: 3m, Ant.: HL025, PCL 0
Comment 2: Freq: 1.910GHz, Pmax: 22.72dBm, RBW: 3MHz



Equivalent Isotropically Radiated Power

FCC RULES PART 24 SUBPART E

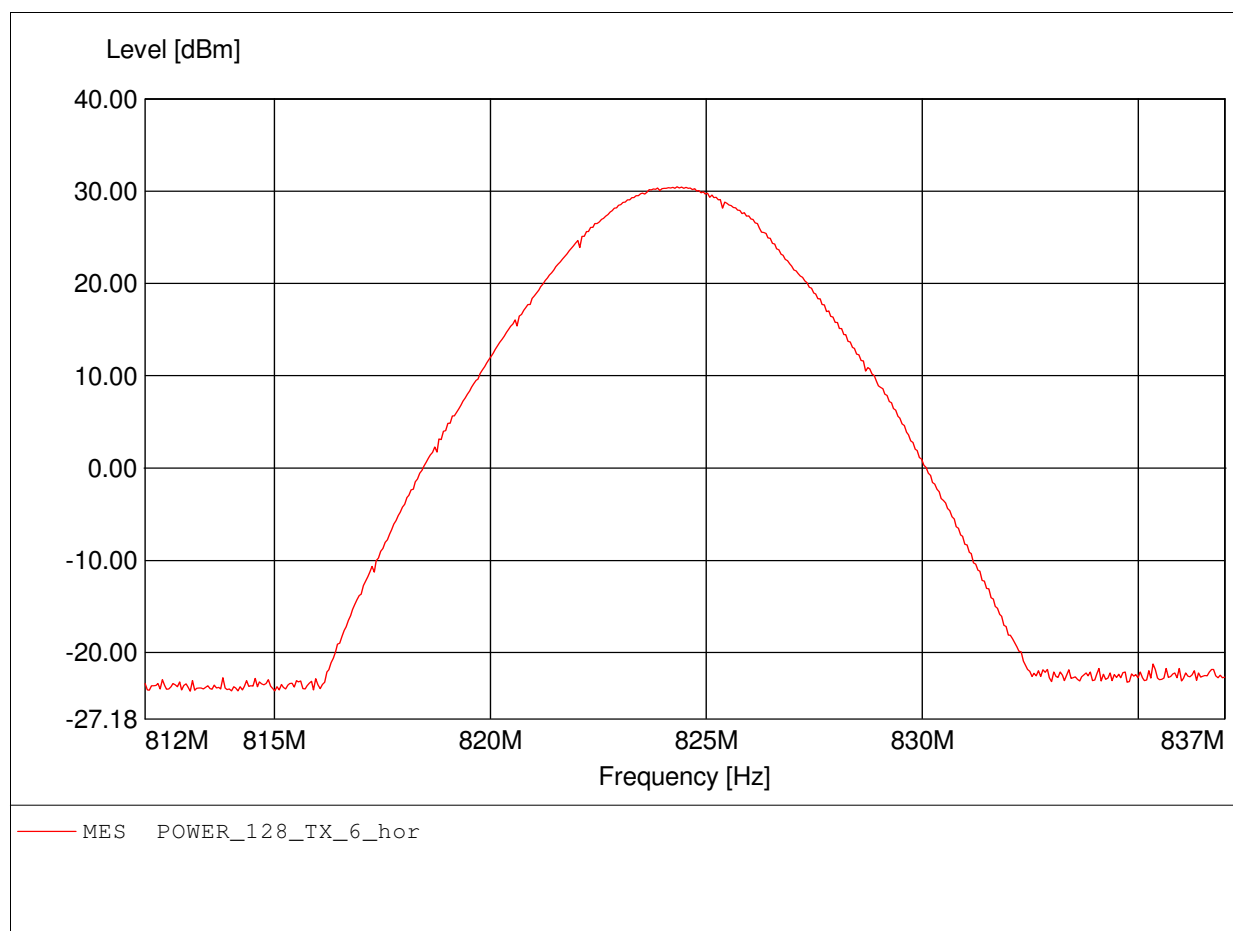
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 810
Comment 1: Dist.: 3m, Ant.: HL025, PCL 0
Comment 2: Freq: 1.910GHz, Pmax: 22.73dBm, RBW: 3MHz



Effective Radiated Power

FCC RULES PART 22 SUBPART H

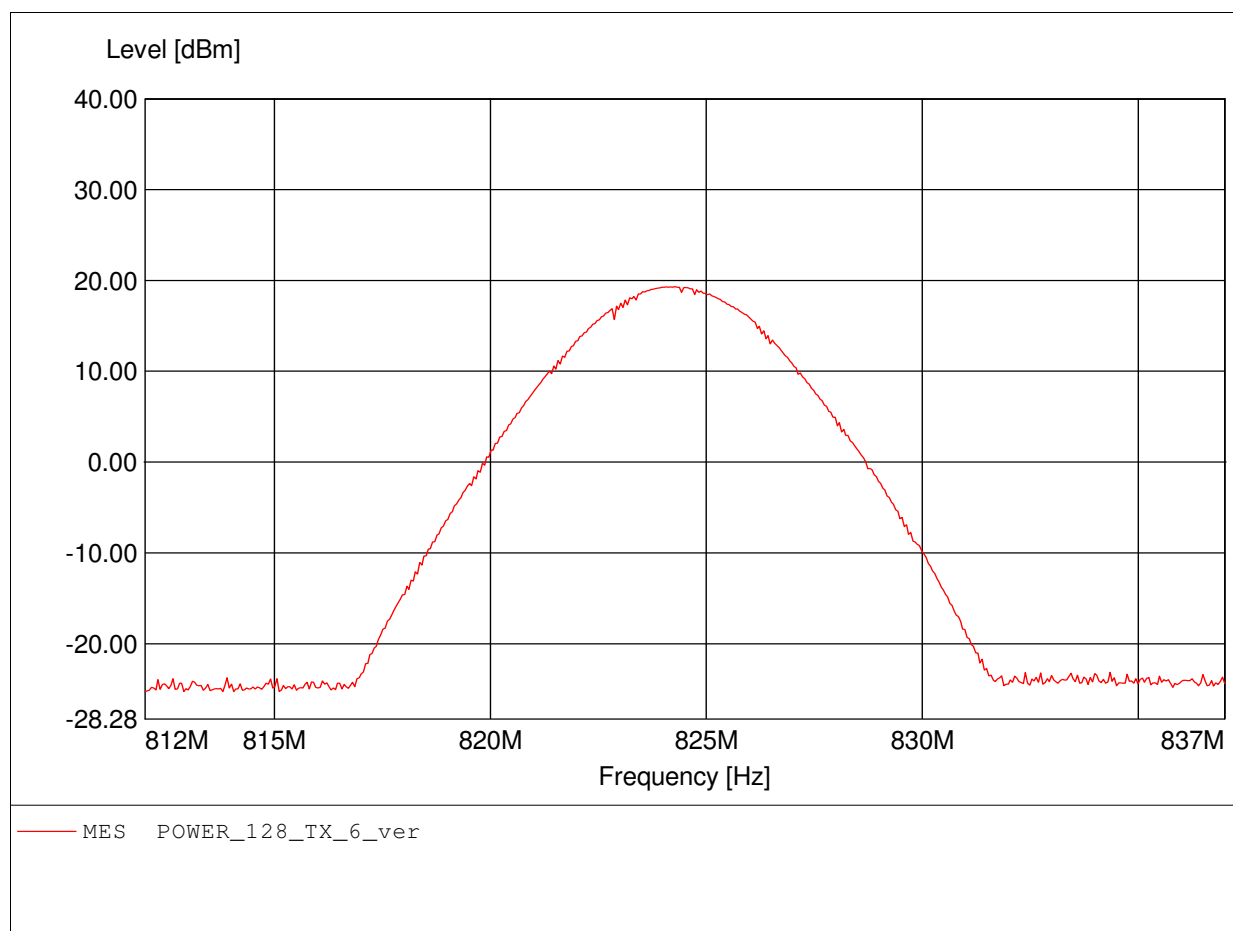
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 128
Comment 1: Dist.: 3m, Ant.: HL223
Comment 2: Freq: 824.325MHz, Pmax: 30.48dBm, RBW: 3MHz



Effective Radiated Power

FCC RULES PART 22 SUBPART H

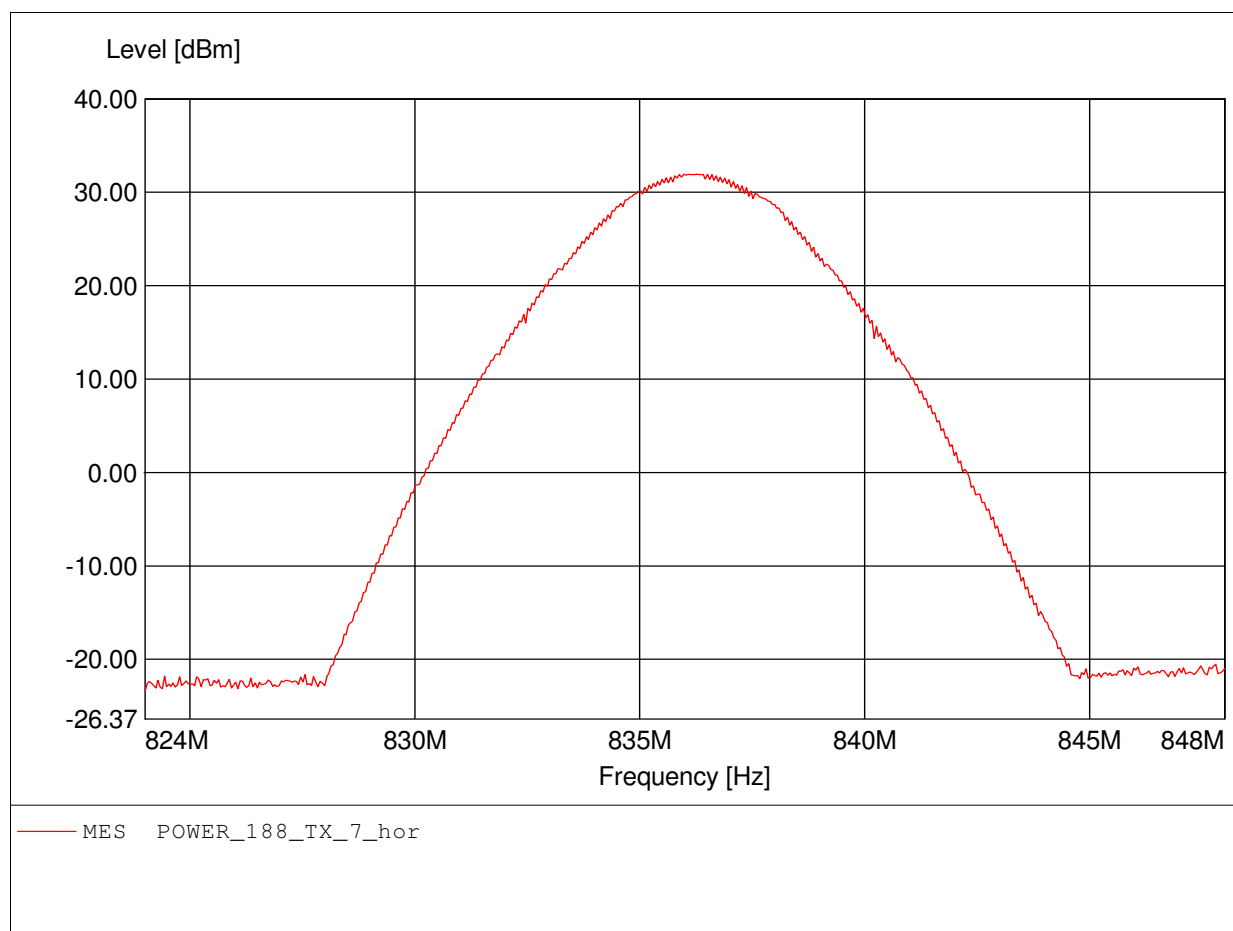
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 128
Comment 1: Dist.: 3m, Ant.: HL223
Comment 2: Freq: 824.275MHz, Pmax: 19.32dBm, RBW: 3MHz



Effective Radiated Power

FCC RULES PART 22 SUBPART H

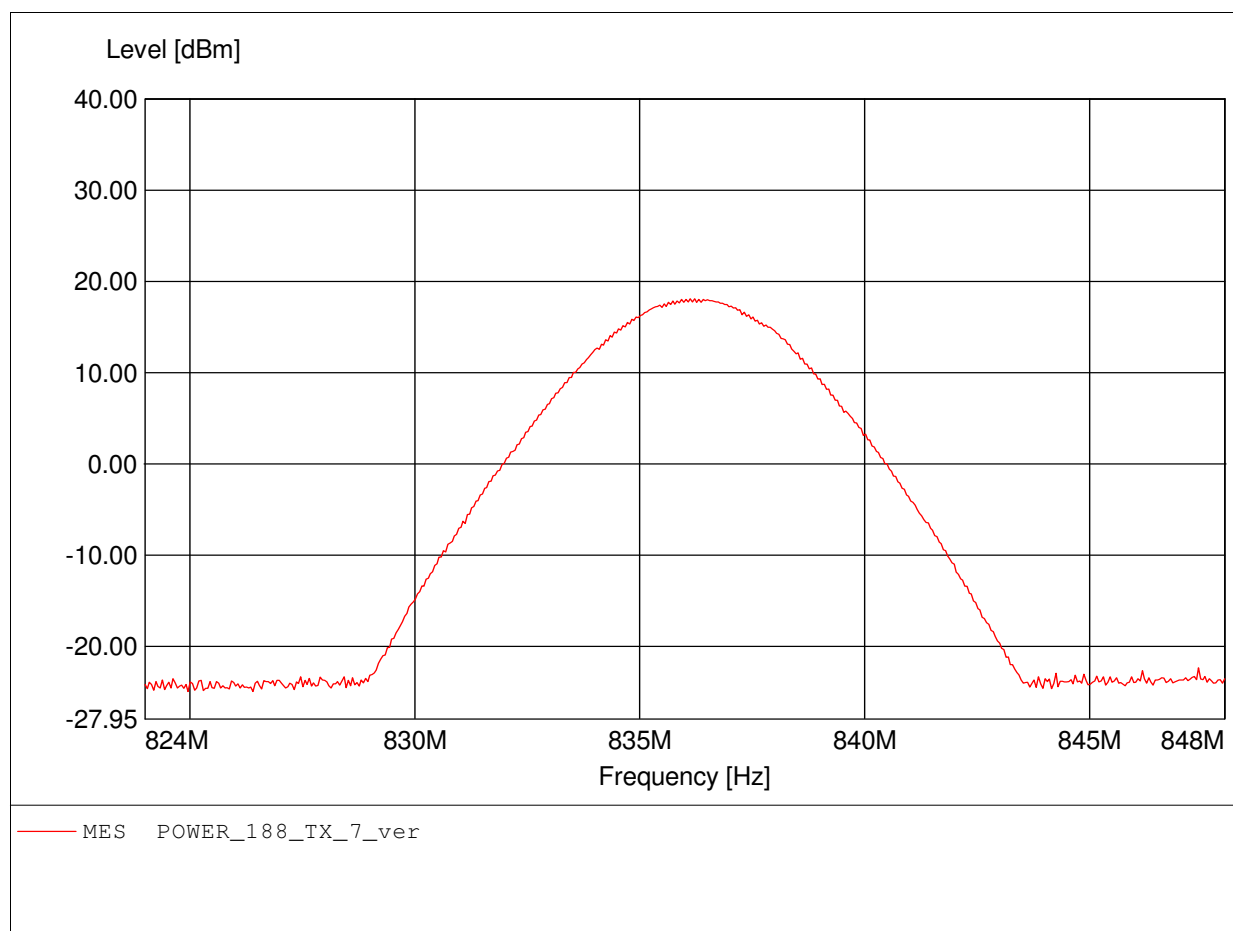
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 188
Comment 1: Dist.: 3m, Ant.: HL223
Comment 2: Freq: 836.505MHz, Pmax: 31.94dBm, RBW: 3MHz



Effective Radiated Power

FCC RULES PART 22 SUBPART H

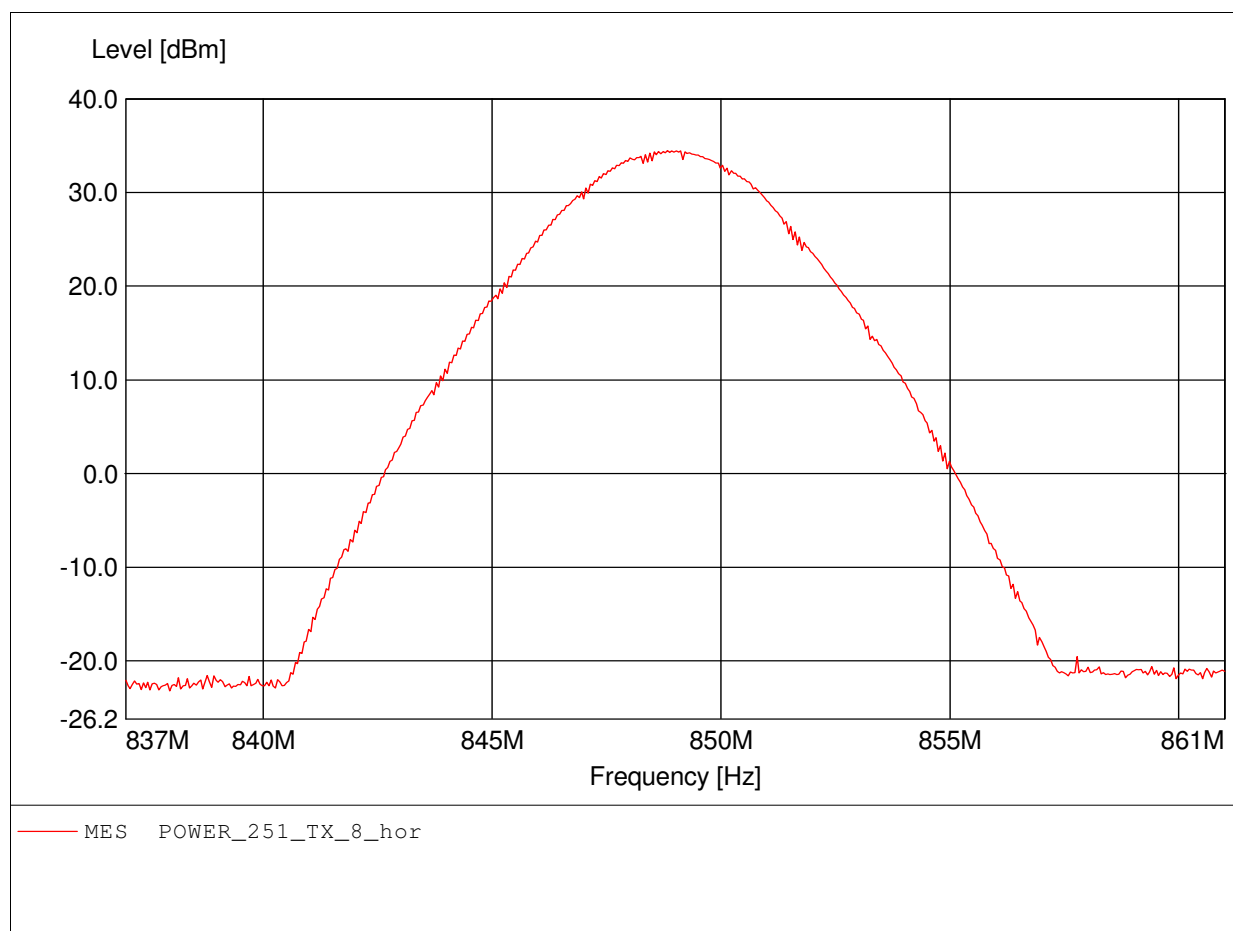
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 188
Comment 1: Dist.: 3m, Ant.: HL223
Comment 2: Freq: 836.216MHz, Pmax: 18.10dBm, RBW: 3MHz



Effective Radiated Power

FCC RULES PART 22 SUBPART H

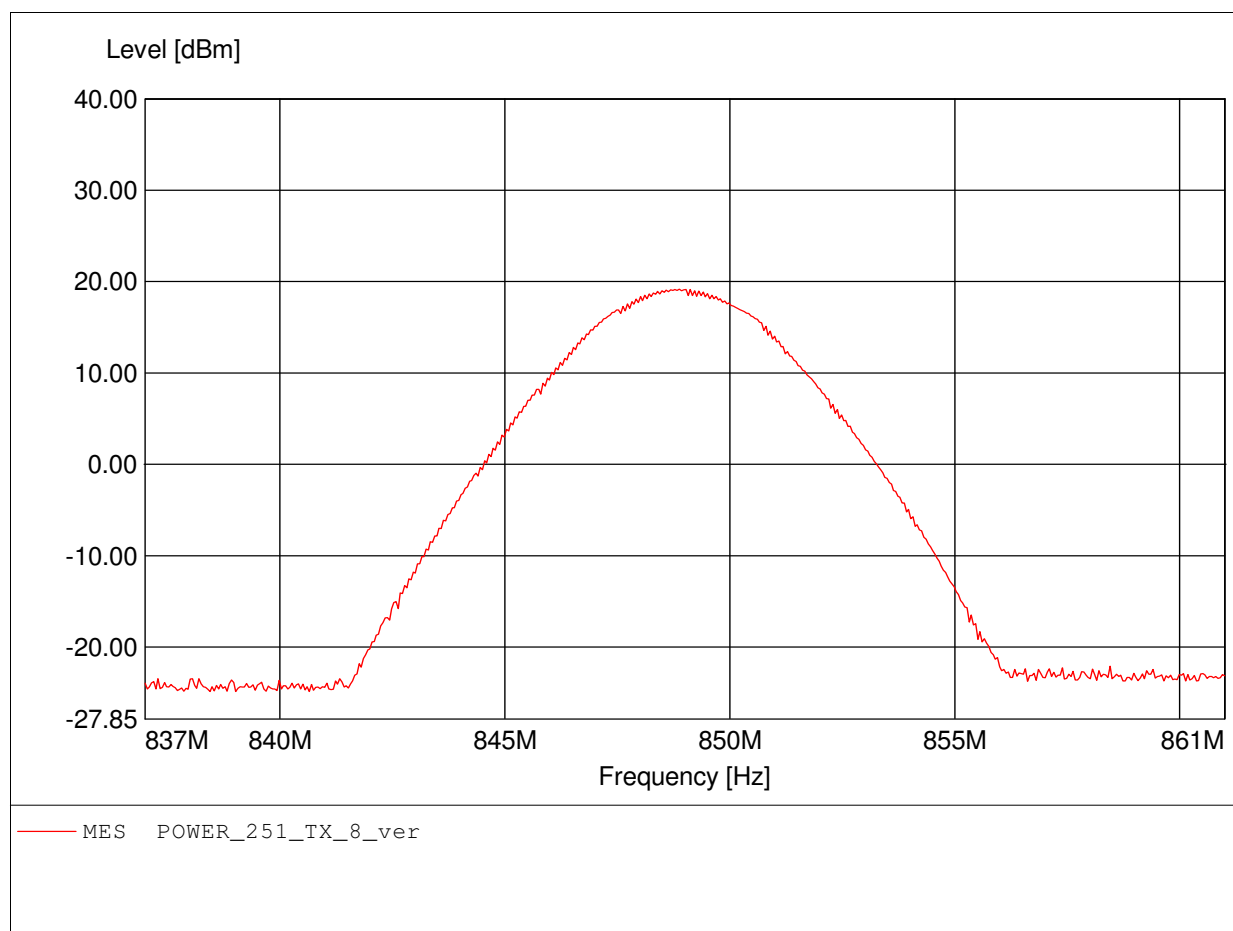
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 251
Comment 1: Dist.: 3m, Ant.: HL223
Comment 2: Freq: 848.832MHz, Pmax: 34.46dBm, RBW: 3MHz



Effective Radiated Power

FCC RULES PART 22 SUBPART H

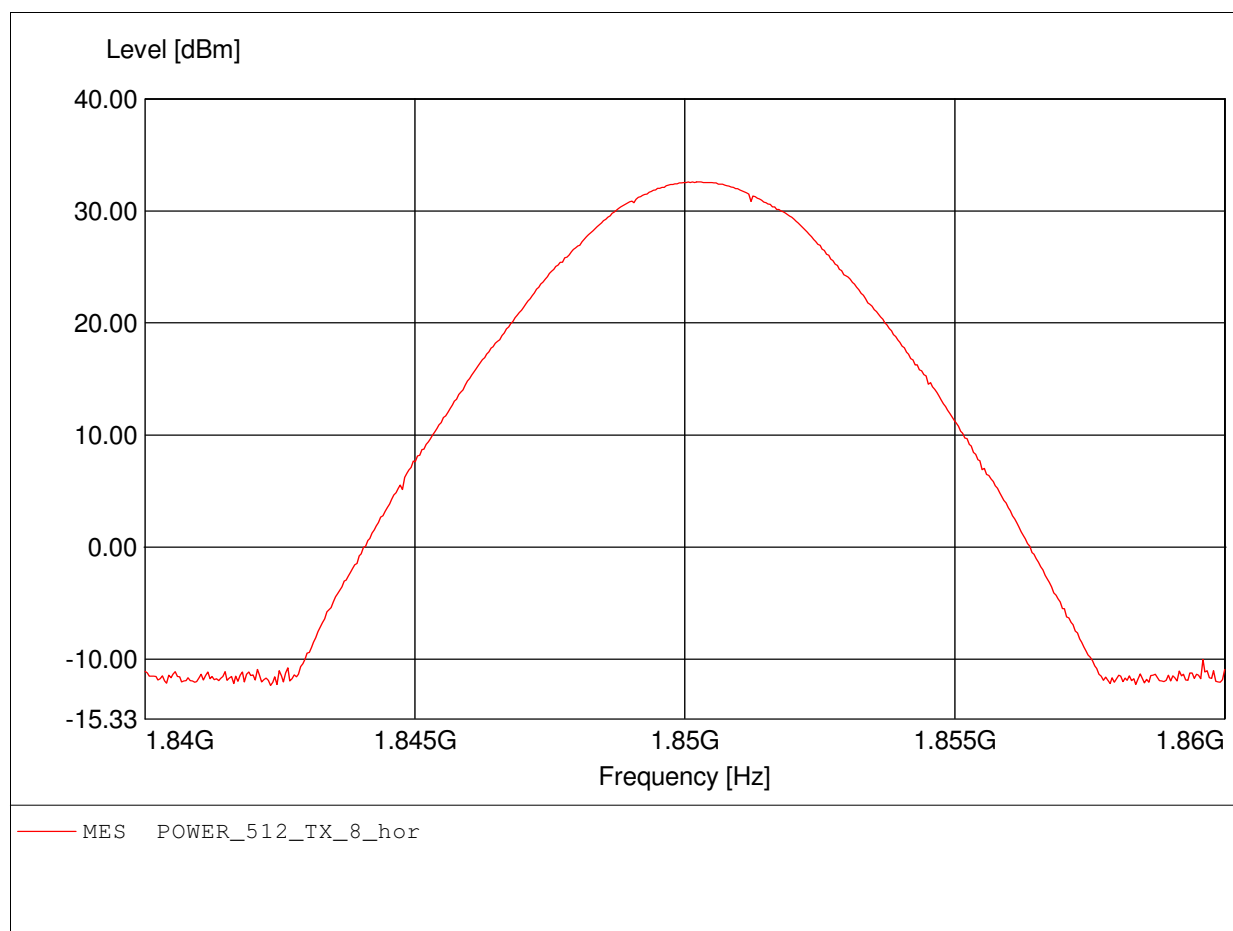
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 251
Comment 1: Dist.: 3m, Ant.: HL223
Comment 2: Freq: 848.880MHz, Pmax: 19.19dBm, RBW: 3MHz



Equivalent Isotropically Radiated Power

FCC RULES PART 24 SUBPART E

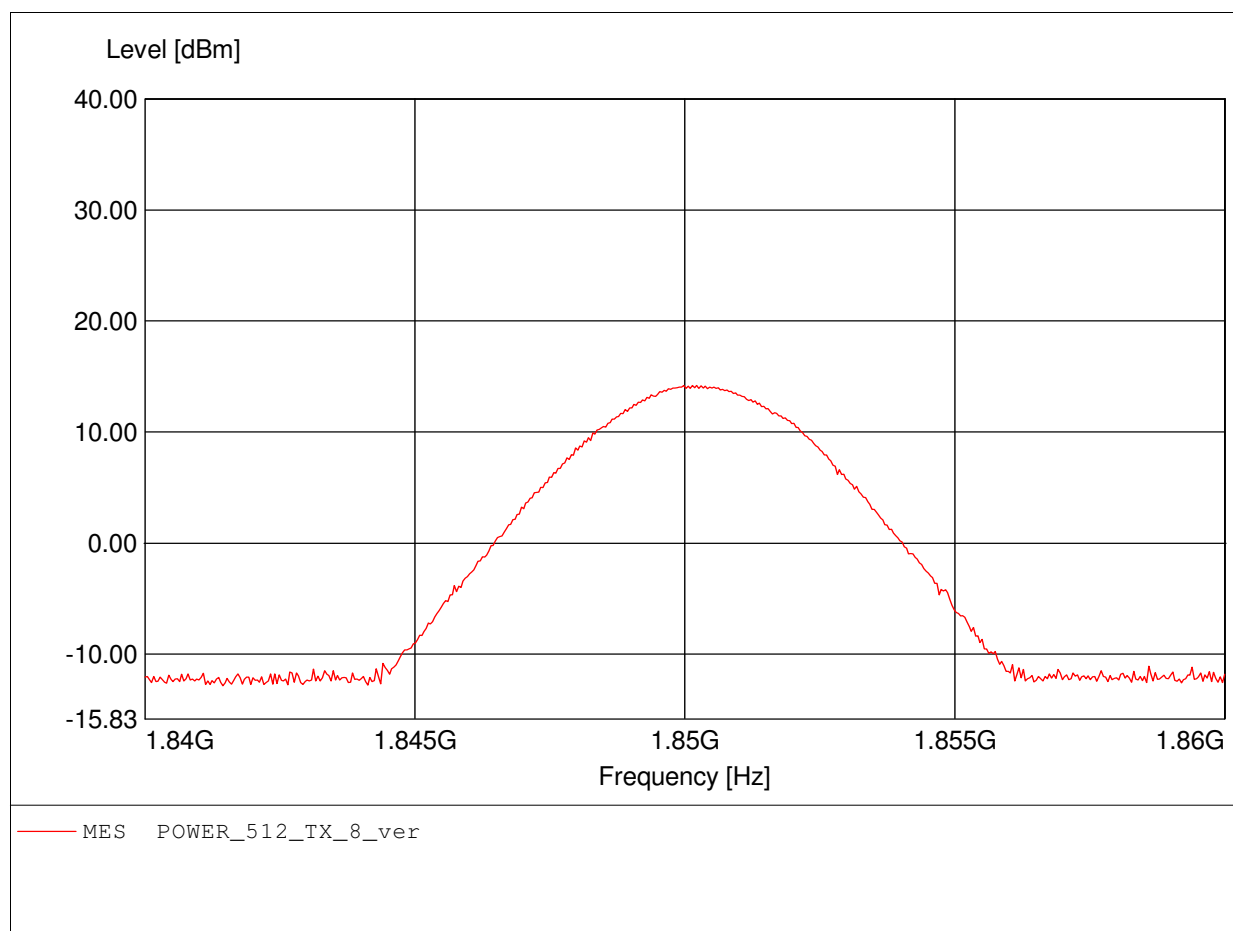
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 512
Comment 1: Dist.: 3m, Ant.: HL025, PCL 0
Comment 2: Freq: 1.850GHz, Pmax: 32.58dBm, RBW: 3MHz



Equivalent Isotropically Radiated Power

FCC RULES PART 24 SUBPART E

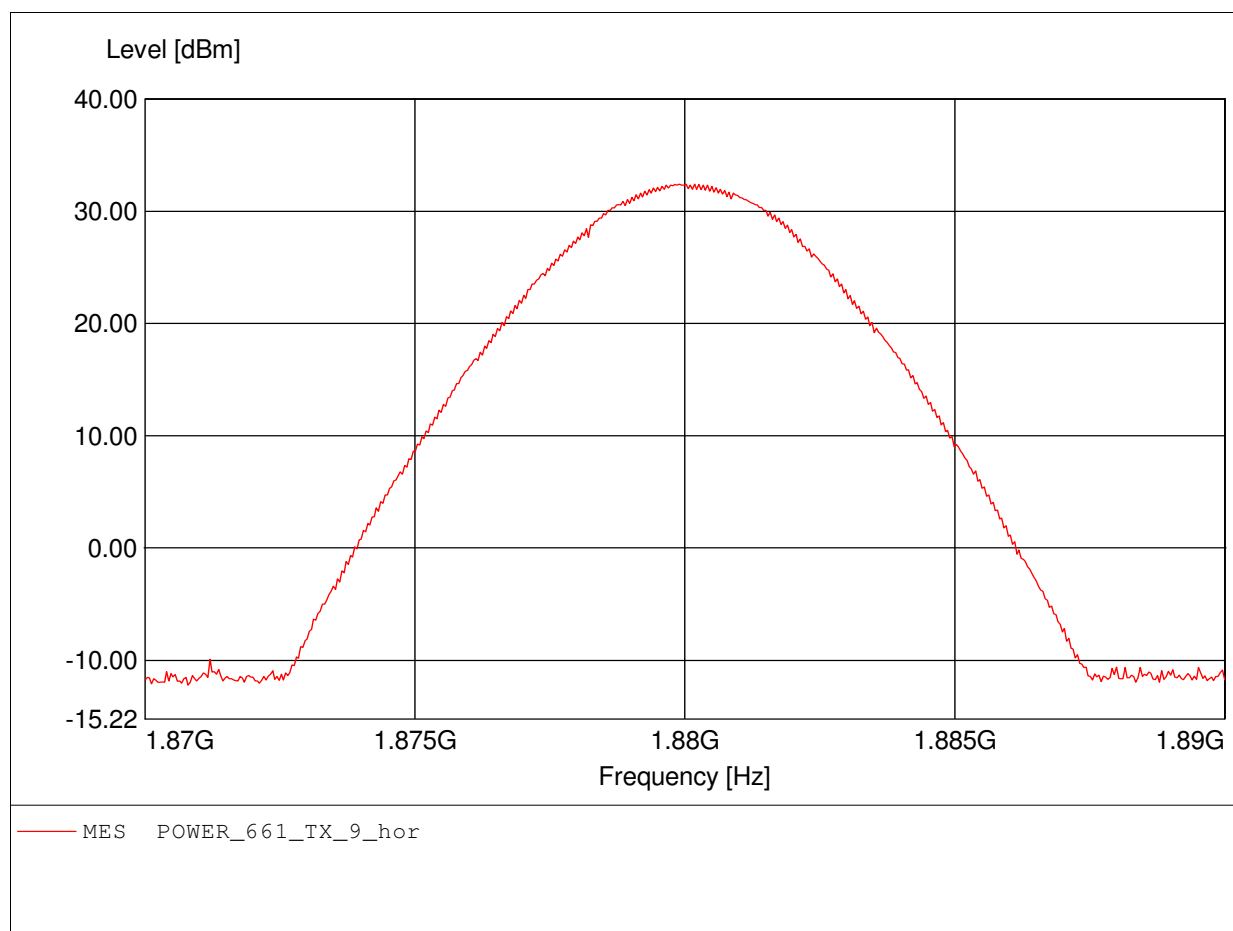
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 512
Comment 1: Dist.: 3m, Ant.: HL025, PCL 0
Comment 2: Freq: 1.850GHz, Pmax: 14.19dBm, RBW: 3MHz



Equivalent Isotropically Radiated Power

FCC RULES PART 24 SUBPART E

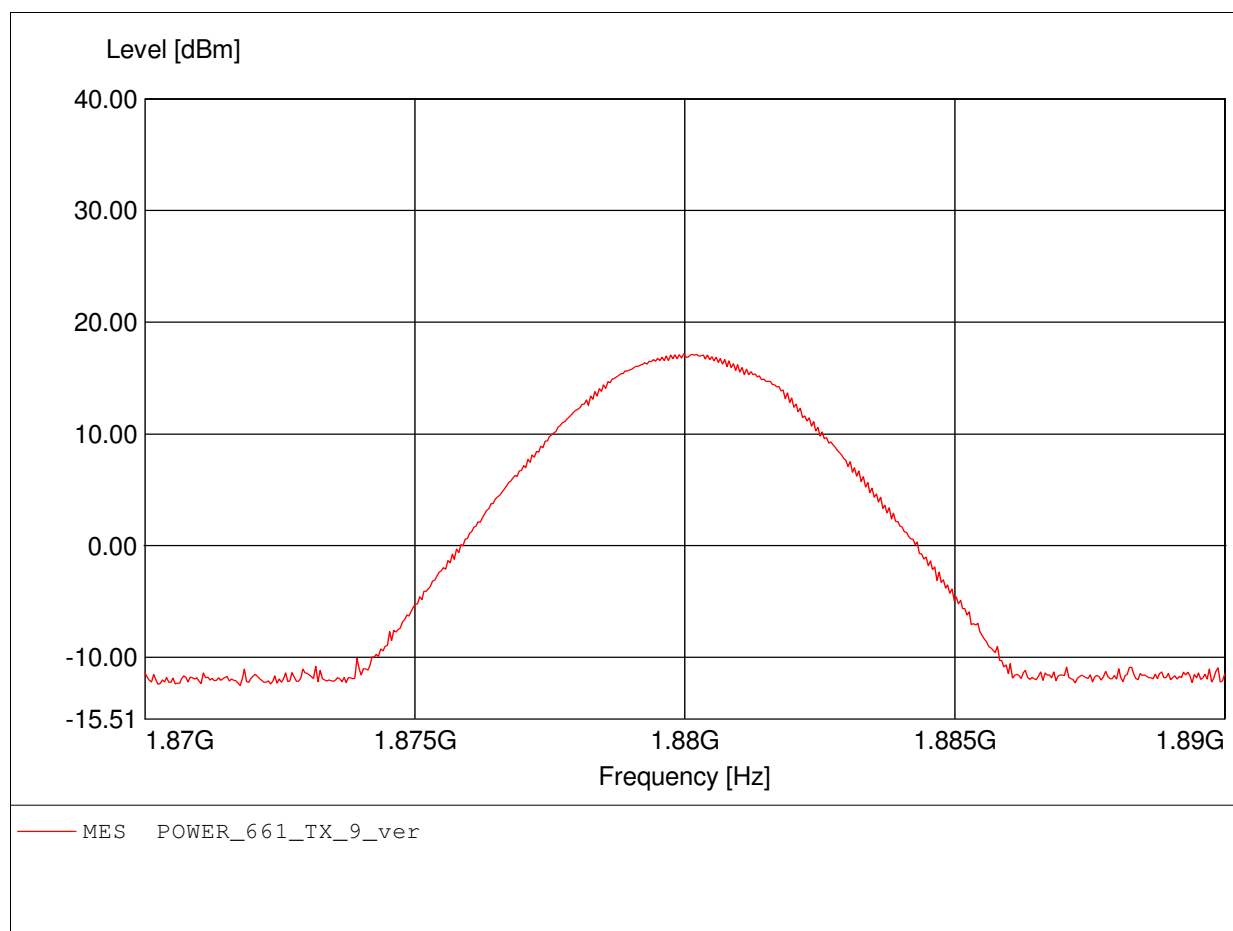
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 661
Comment 1: Dist.: 3m, Ant.: HL025, PCL 0
Comment 2: Freq: 1.880GHz, Pmax: 32.40dBm, RBW: 3MHz



Equivalent Isotropically Radiated Power

FCC RULES PART 24 SUBPART E

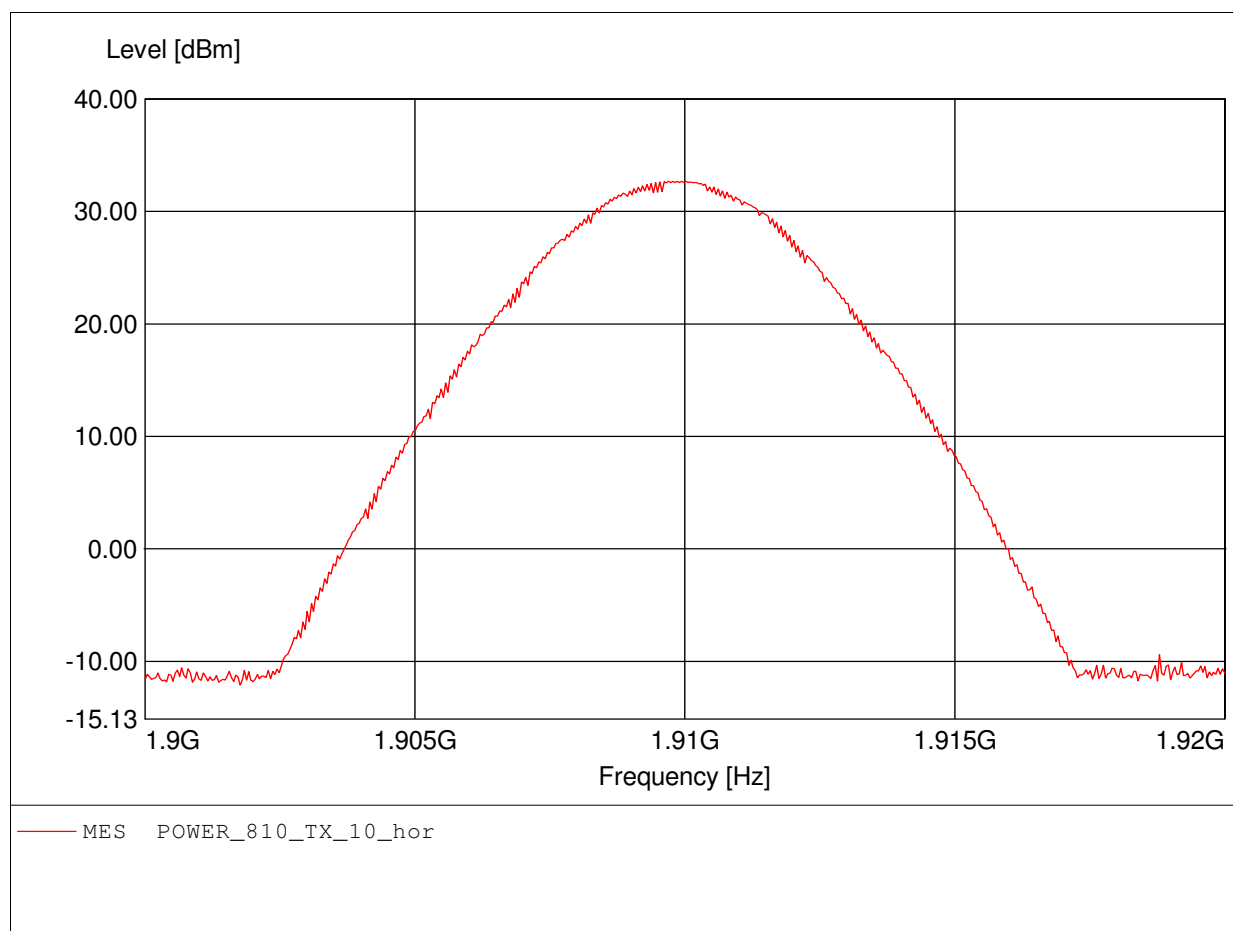
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 661
Comment 1: Dist.: 3m, Ant.: HL025, PCL 0
Comment 2: Freq: 1.880GHz, Pmax: 17.16dBm, RBW: 3MHz



Equivalent Isotropically Radiated Power

FCC RULES PART 24 SUBPART E

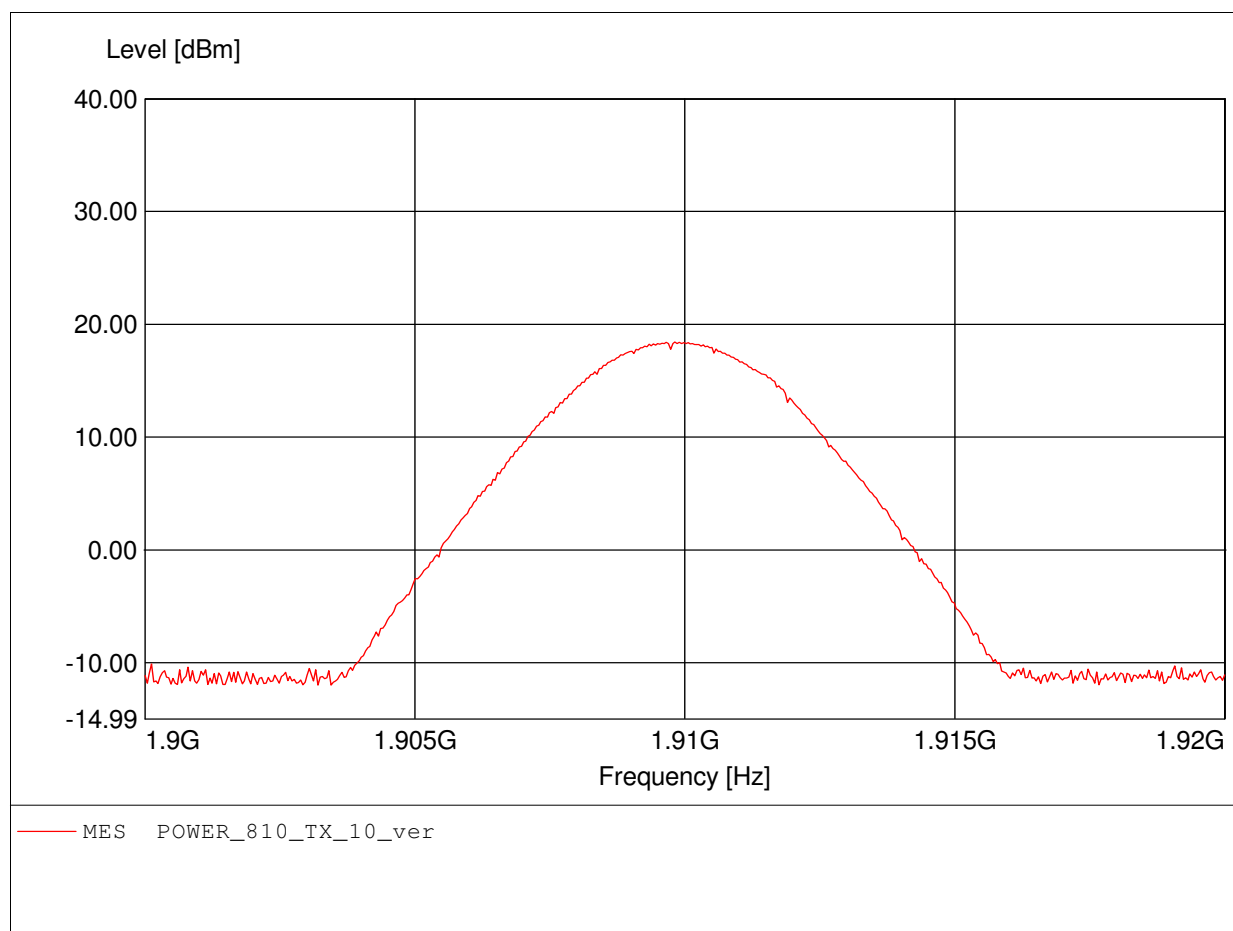
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 810
Comment 1: Dist.: 3m, Ant.: HL025, PCL 0
Comment 2: Freq: 1.910GHz, Pmax: 32.68dBm, RBW: 3MHz



Equivalent Isotropically Radiated Power

FCC RULES PART 24 SUBPART E

Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 810
Comment 1: Dist.: 3m, Ant.: HL025, PCL 0
Comment 2: Freq: 1.910GHz, Pmax: 18.43dBm, RBW: 3MHz

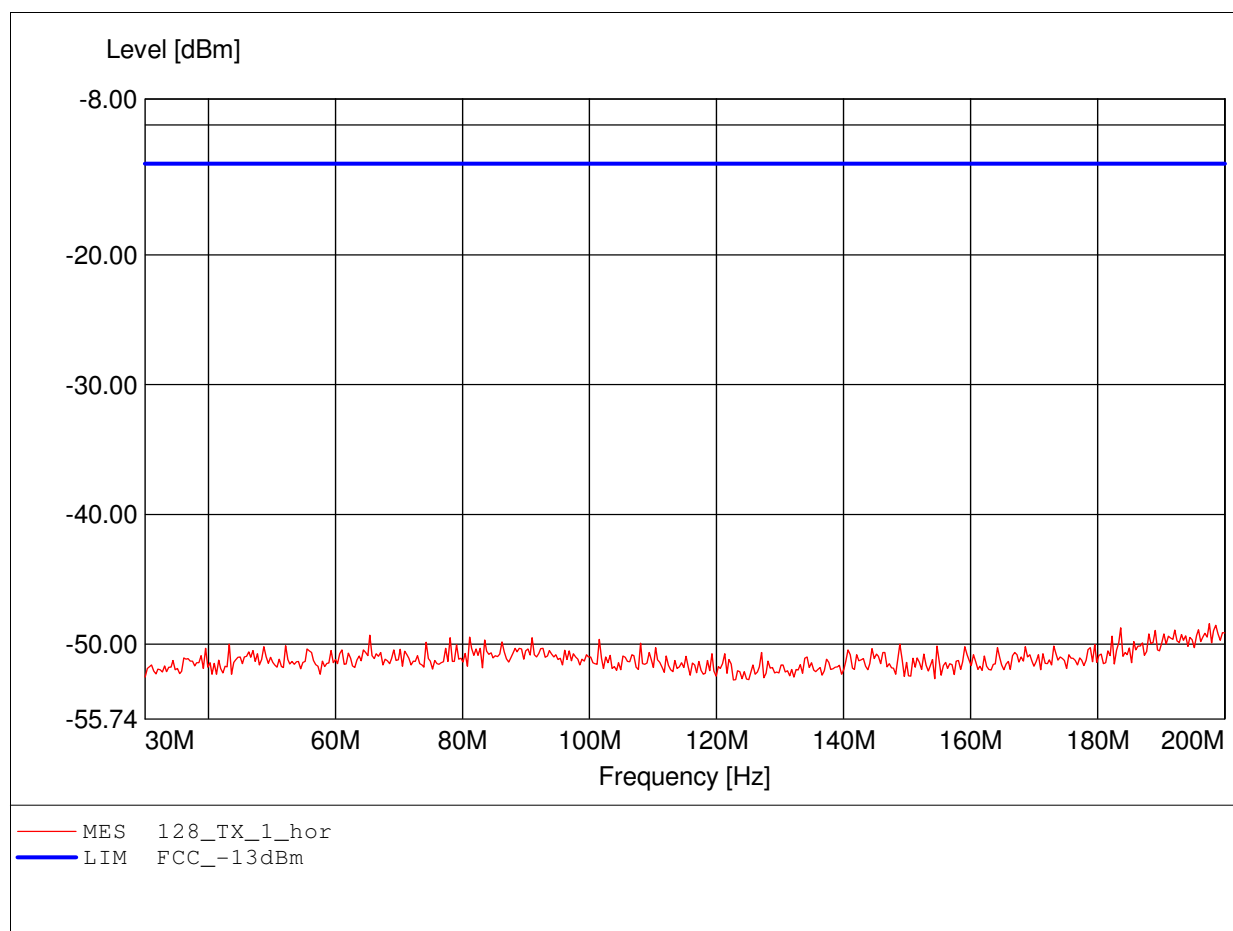


ANNEX B Transmitter radiated spurious emissions

Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

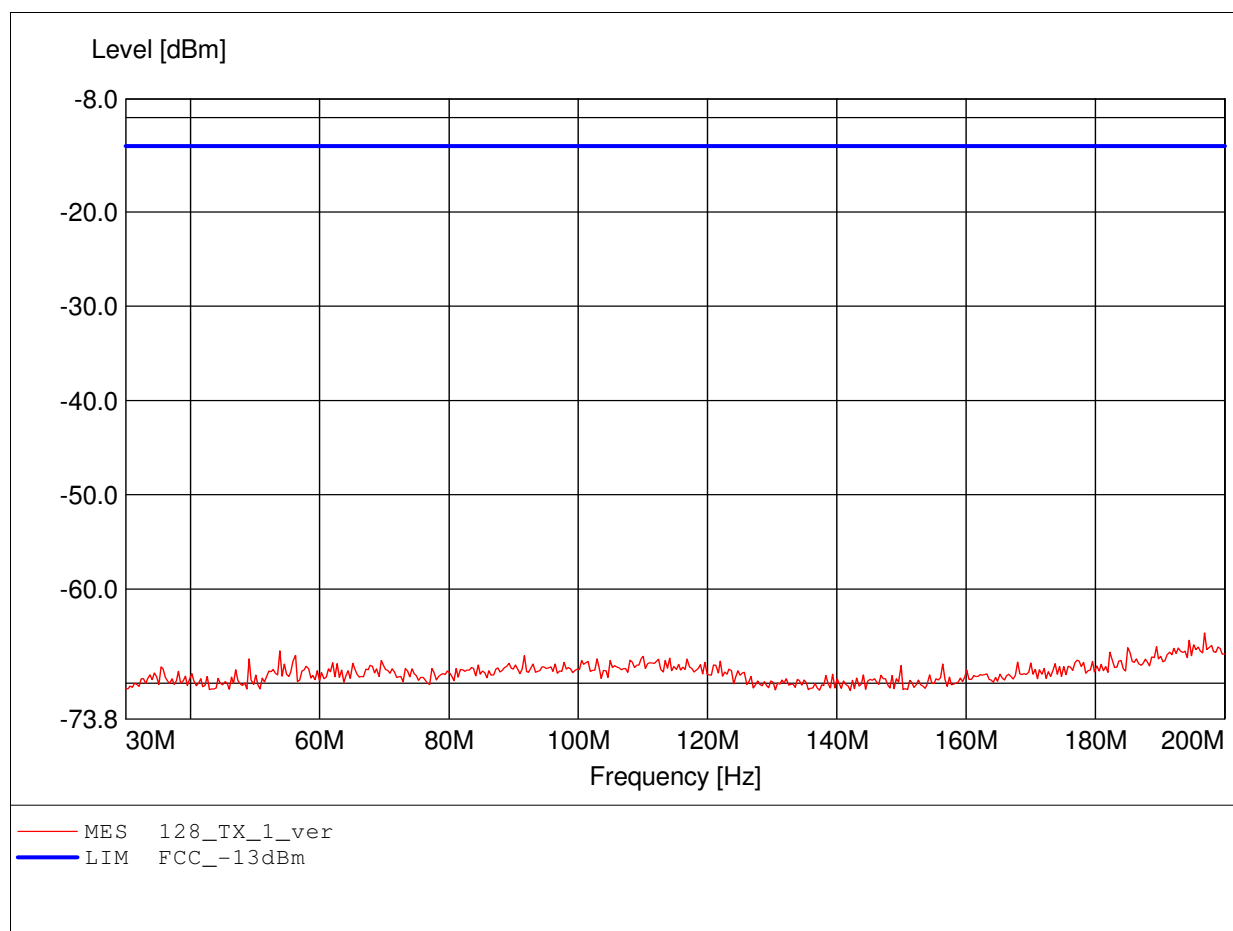
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 128
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 197.615MHz, Pmax: -48.41dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

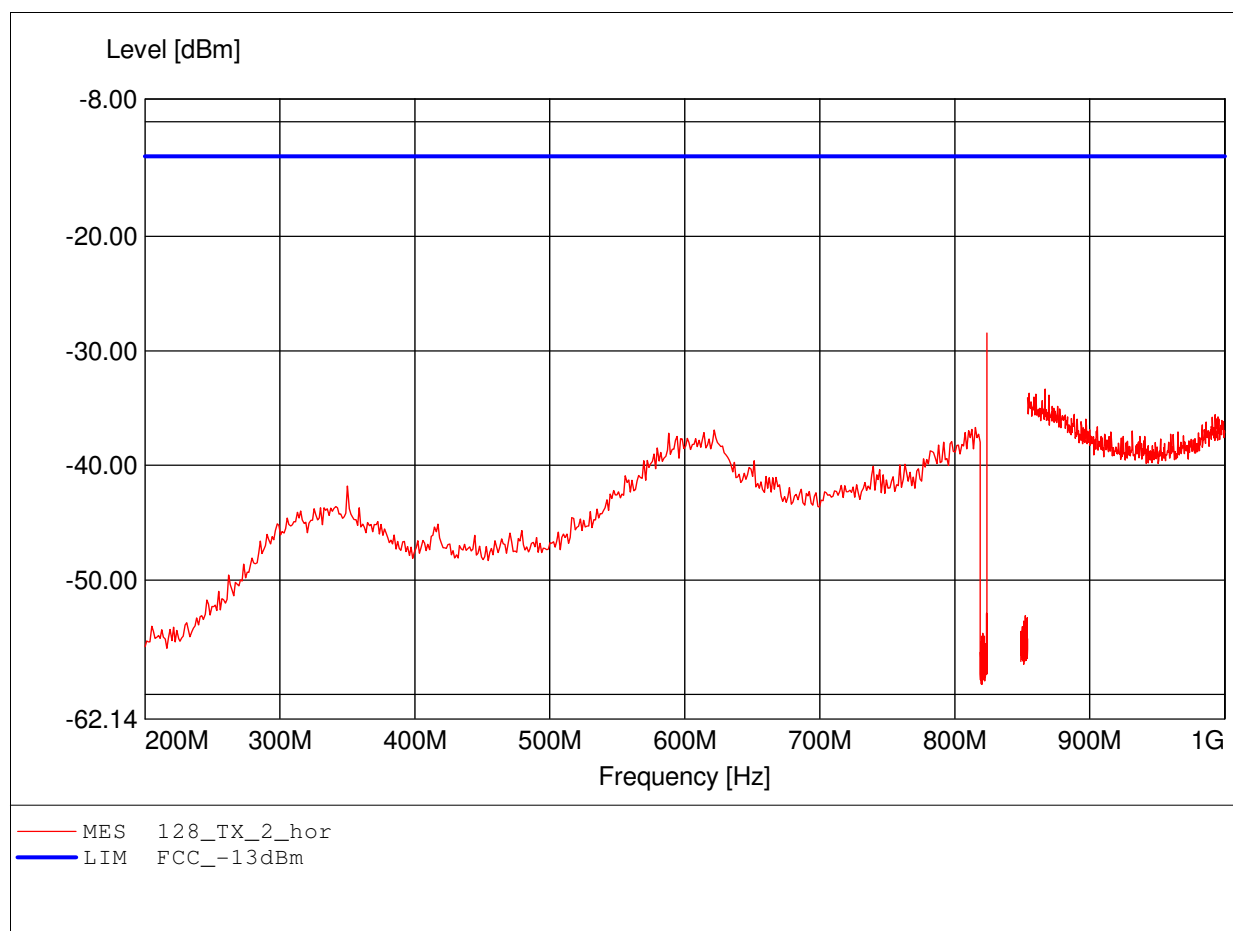
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 128
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 196.934MHz, Pmax: -64.69dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

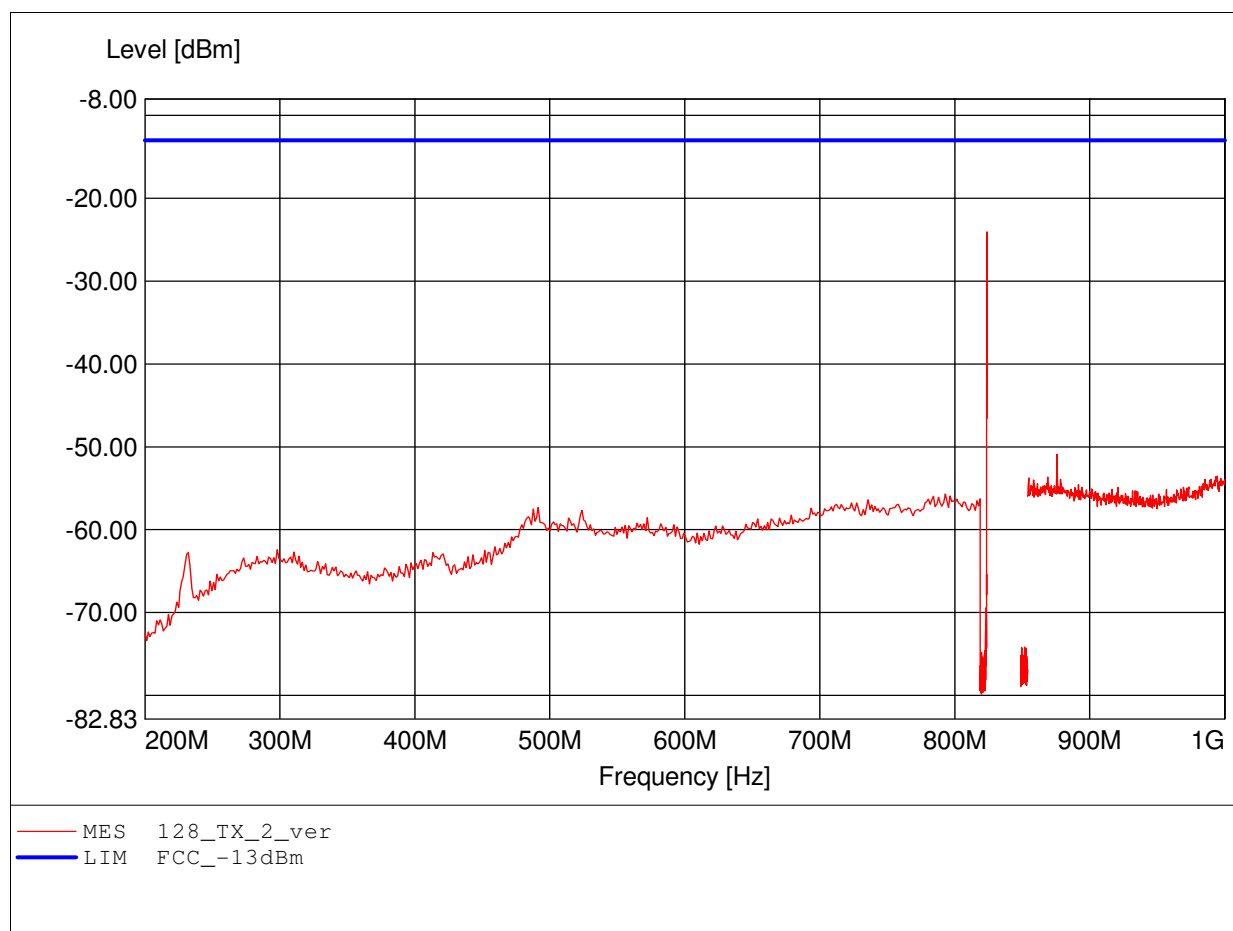
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 128
Comment 1: Dist.: 3m, Ant.: HL 223+notch
Comment 2: Freq: 824.000MHz, Pmax: -28.46dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

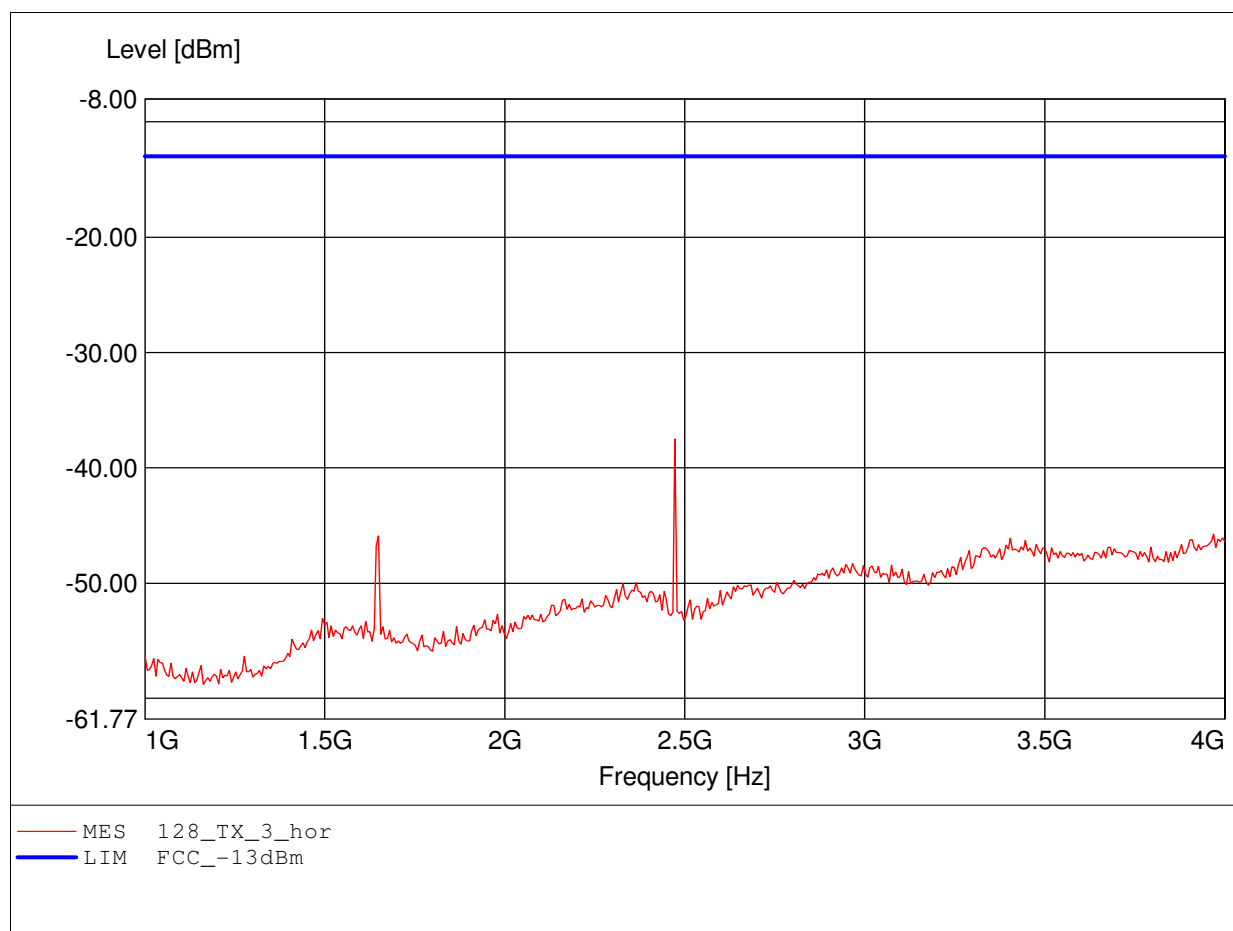
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 128
Comment 1: Dist.: 3m, Ant.: HL 223+notch
Comment 2: Freq: 824.000MHz, Pmax: -24.05dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

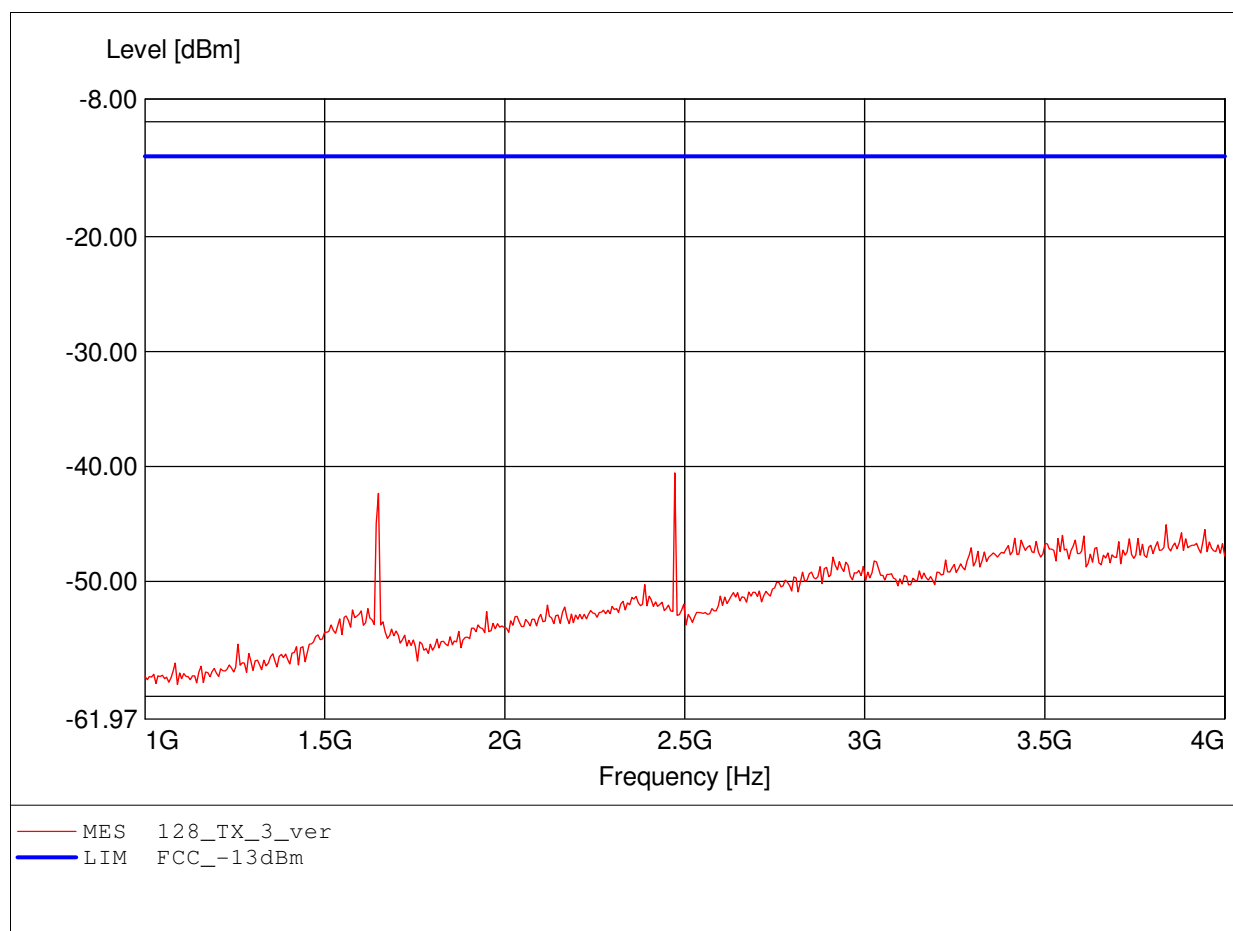
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 128
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 2.473GHz, Pmax: -37.50dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

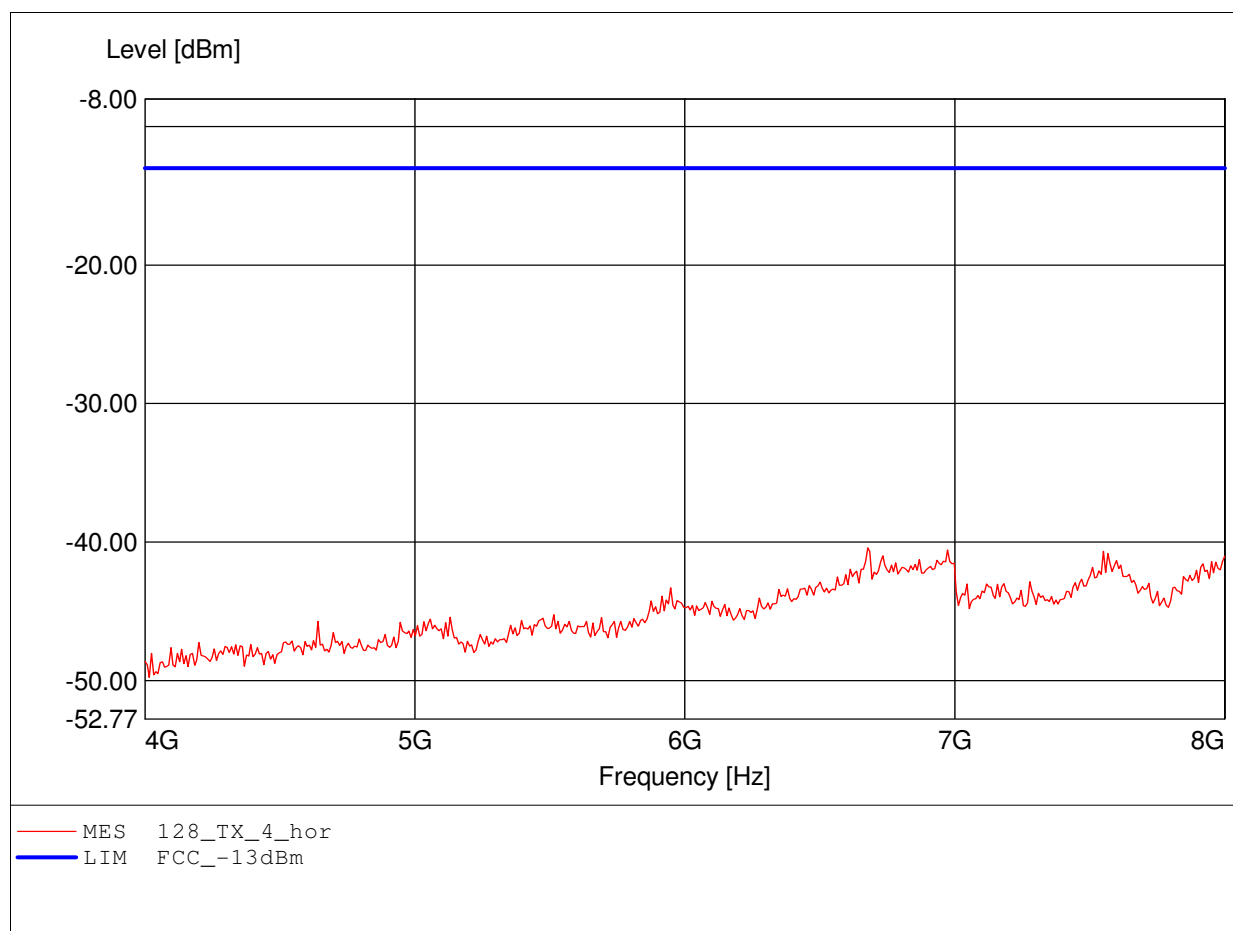
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 128
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 2.473GHz, Pmax: -40.55dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

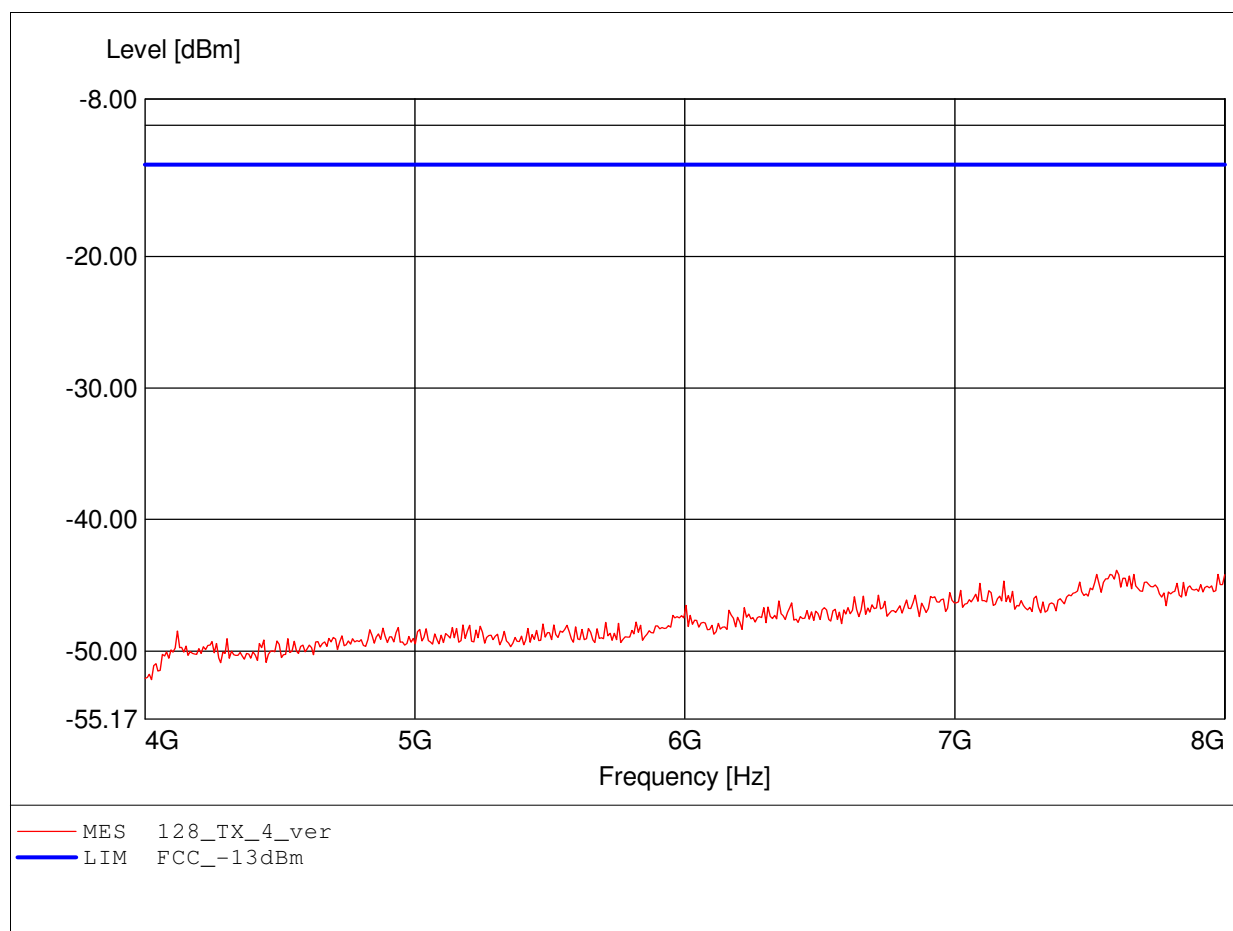
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 128
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 6.677GHz, Pmax: -40.41dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

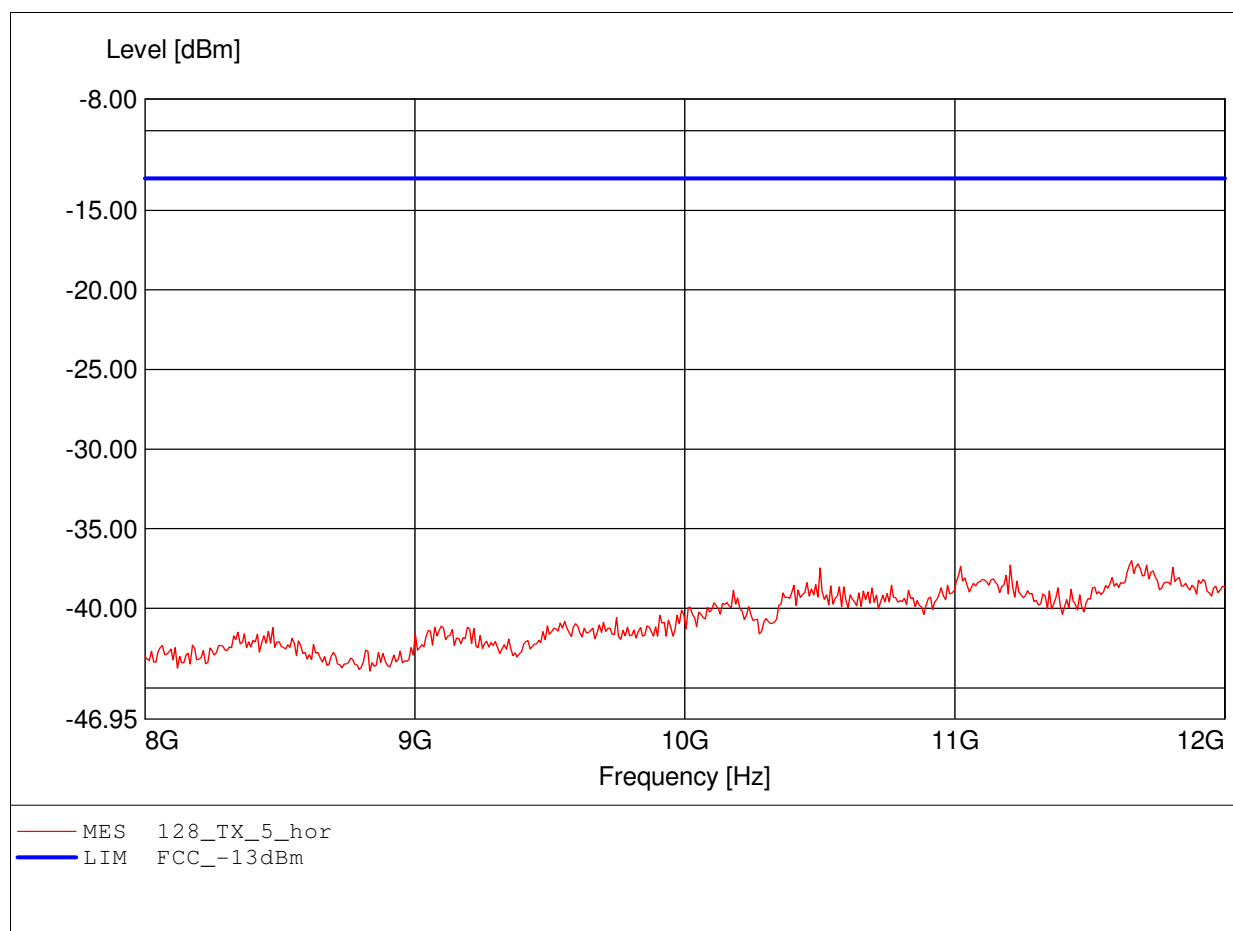
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 128
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 7.599GHz, Pmax: -43.86dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

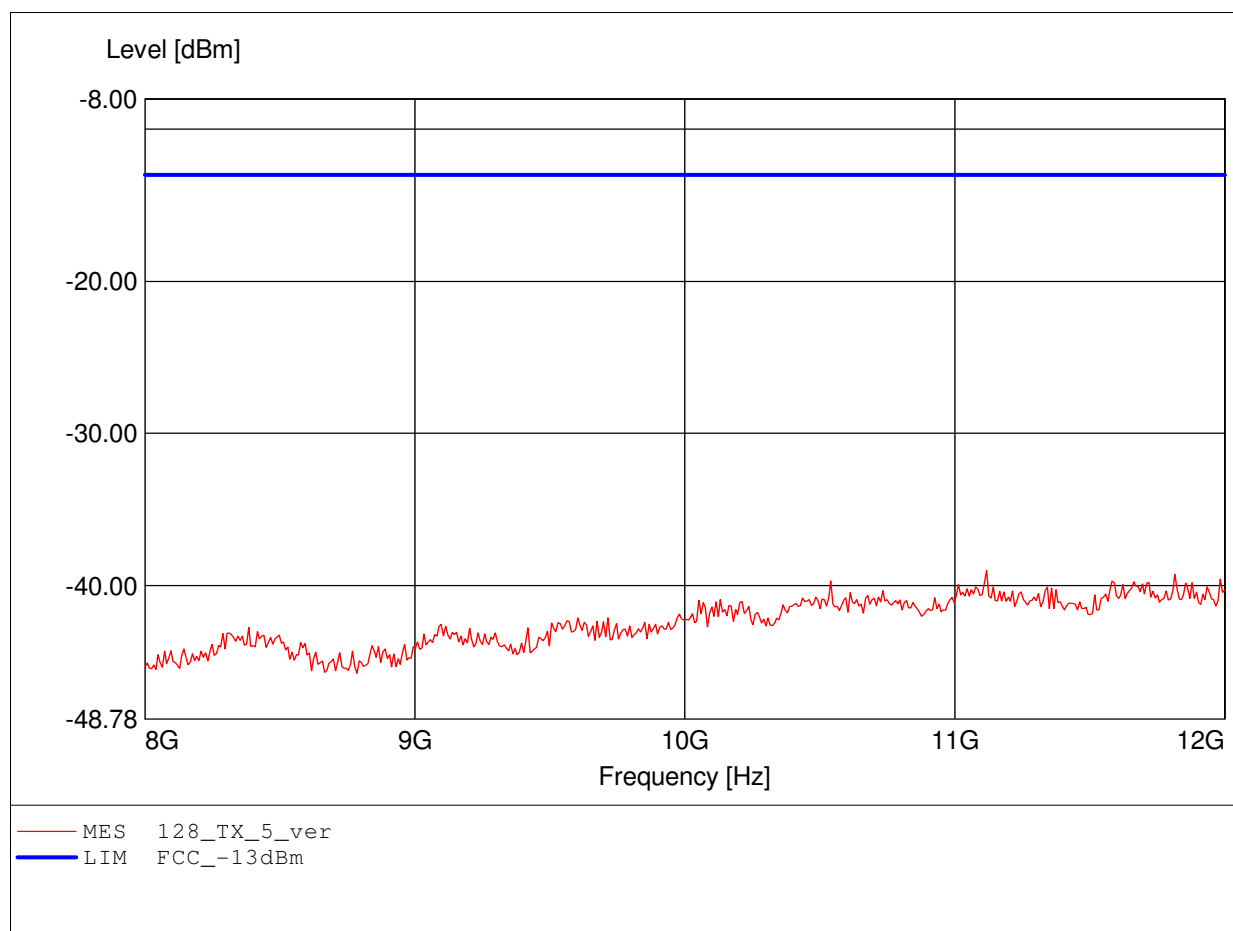
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 128
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 11.655GHz, Pmax: -37.01dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

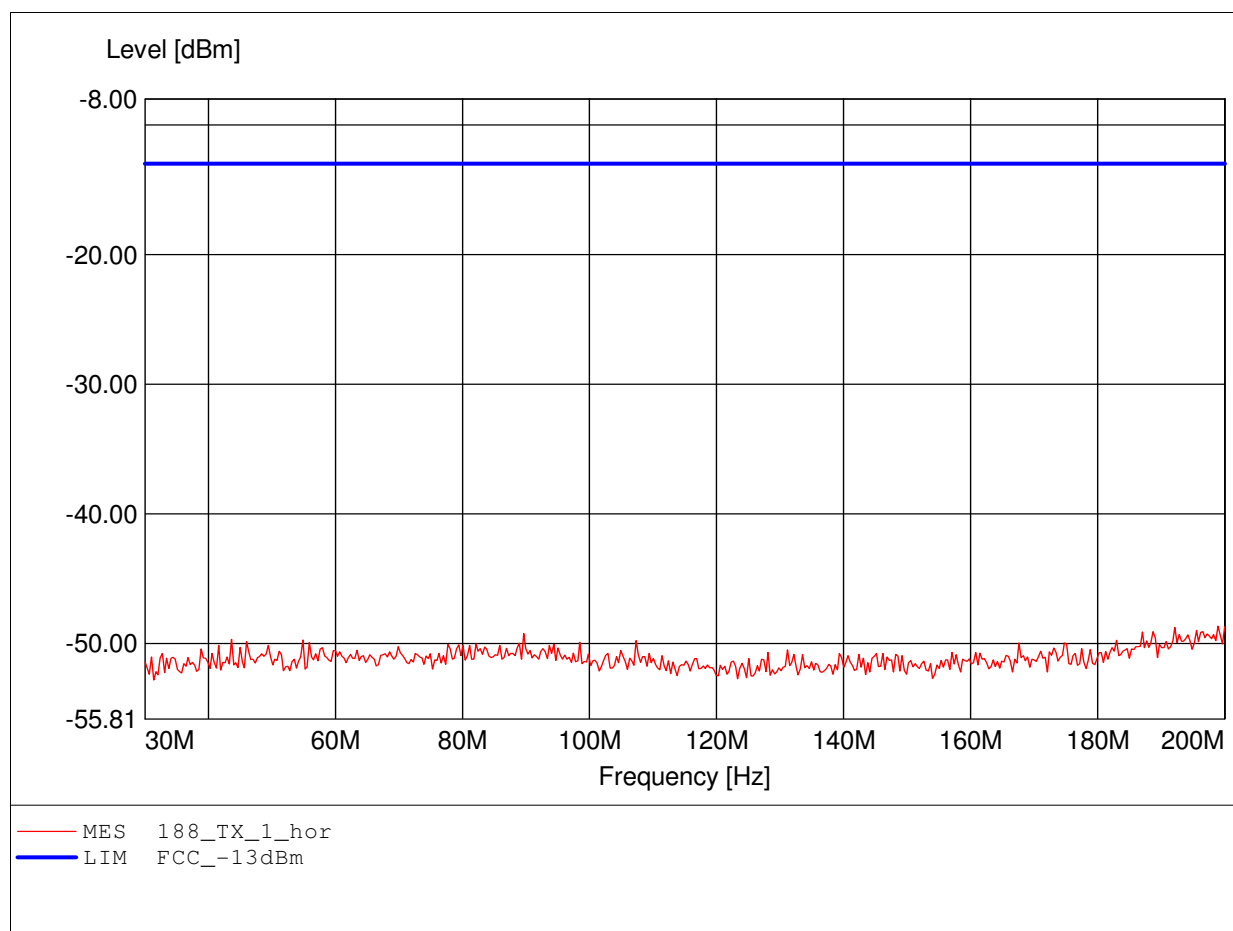
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 128
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 11.118GHz, Pmax: -39.02dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

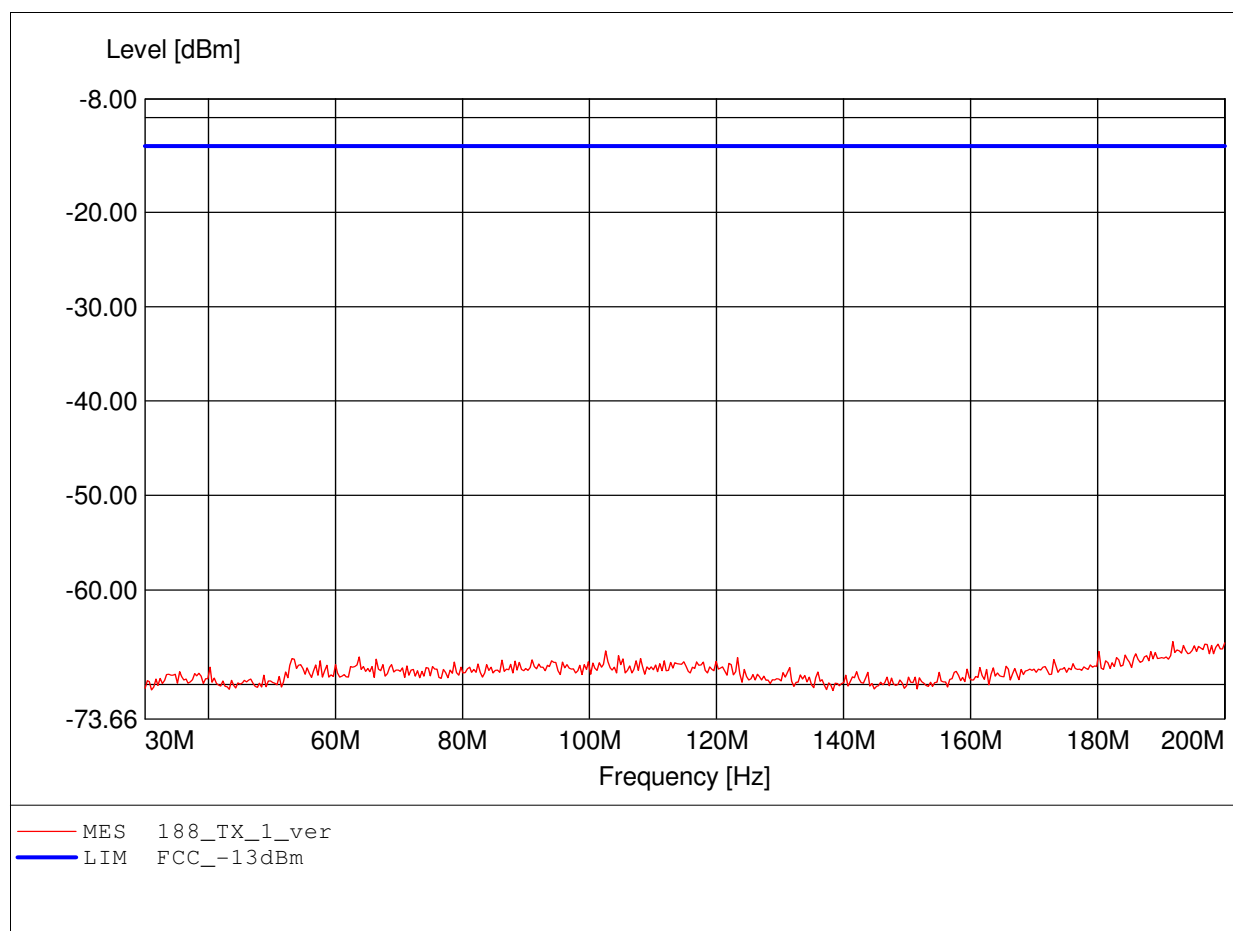
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 188
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 198.978MHz, Pmax: -48.66dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

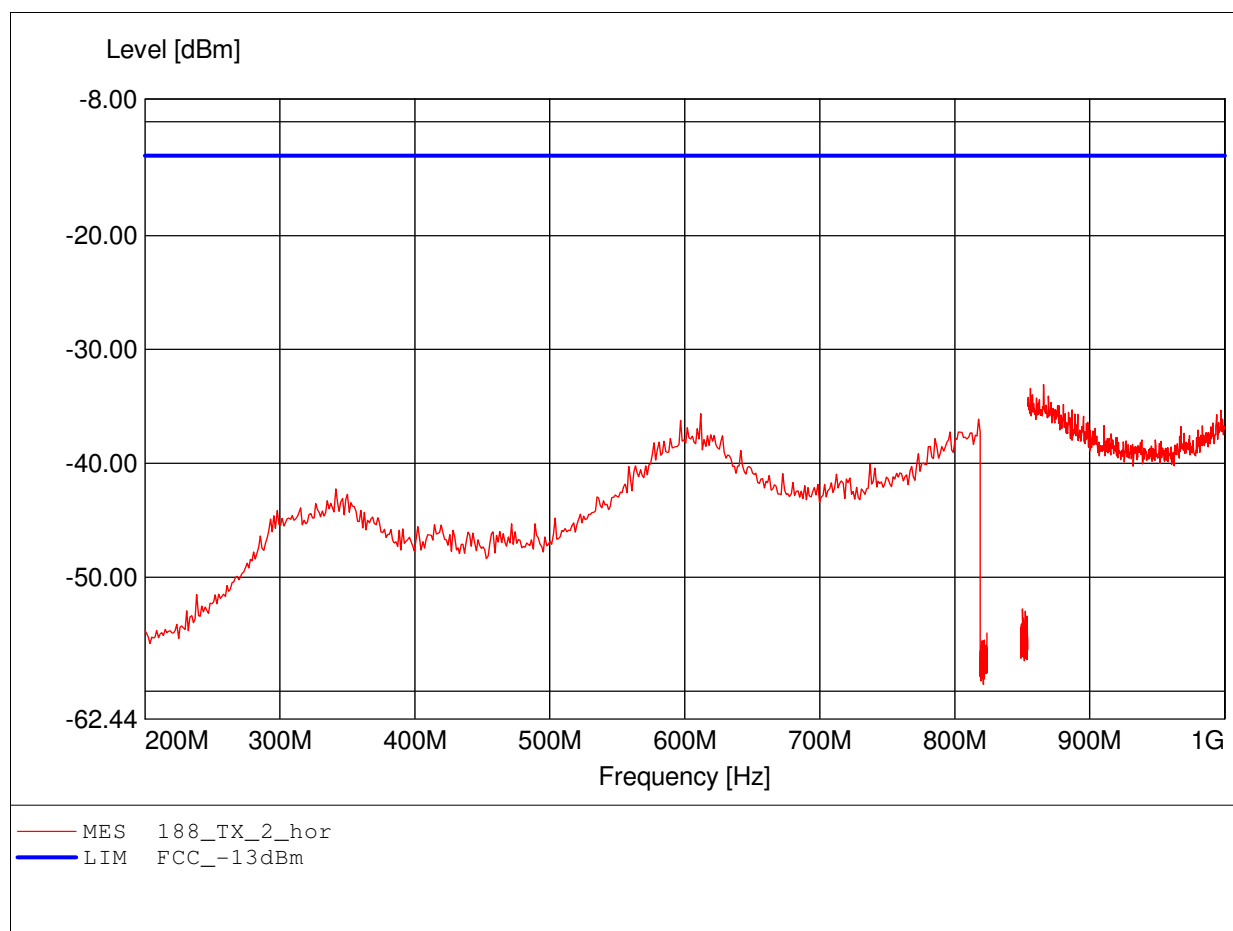
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 188
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 191.824MHz, Pmax: -65.46dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

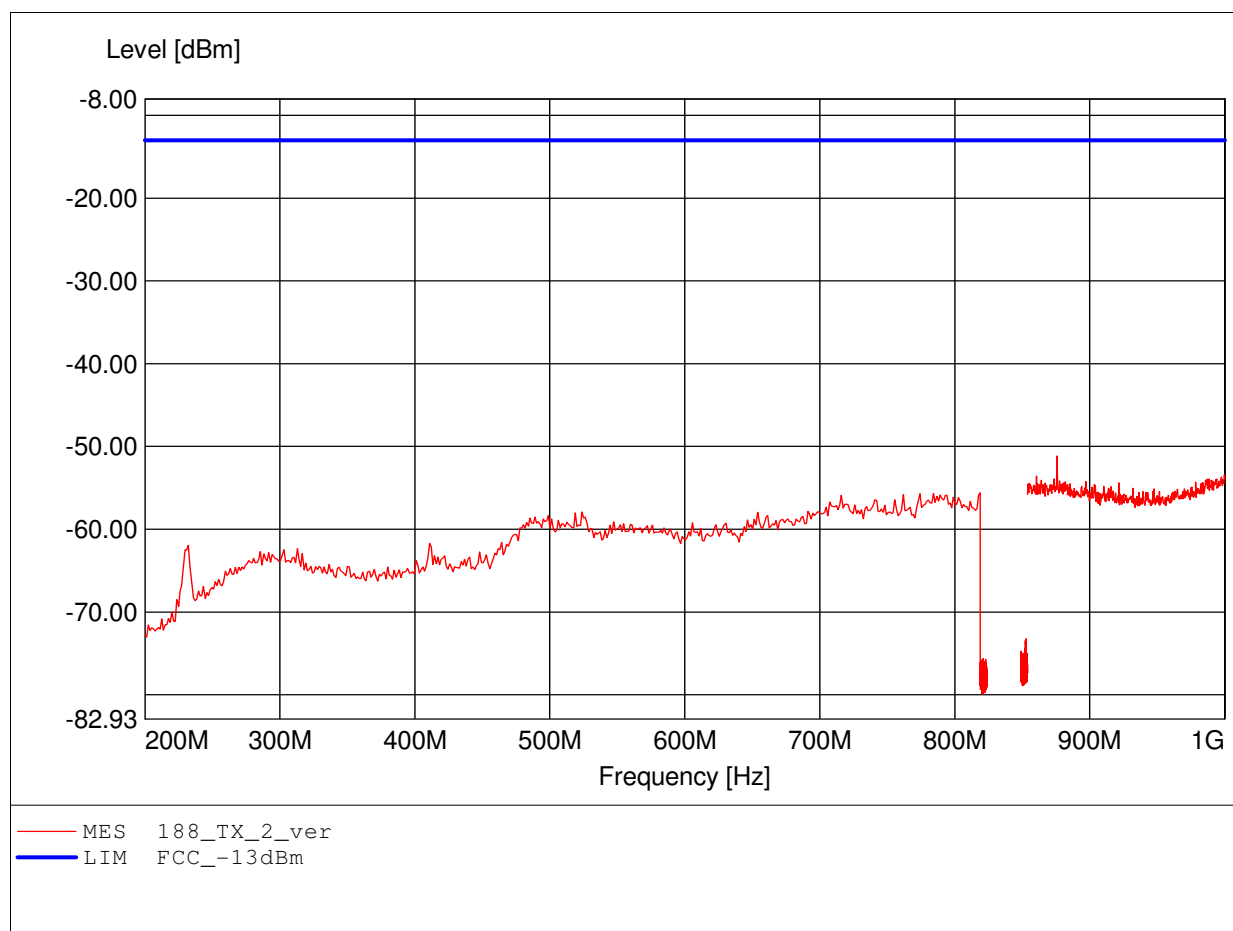
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 188
Comment 1: Dist.: 3m, Ant.: HL 223+notch
Comment 2: Freq: 865.996MHz, Pmax: -33.08dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

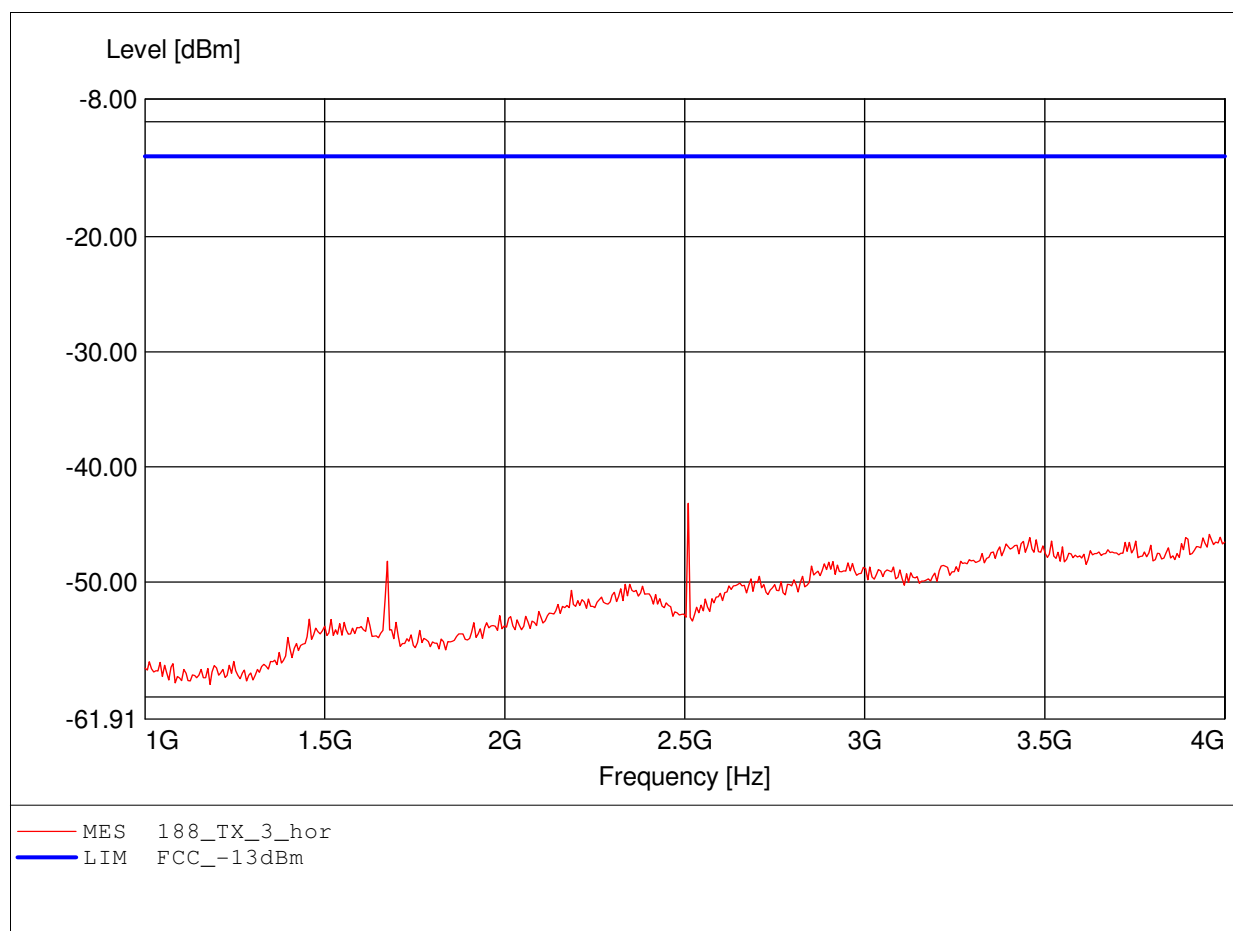
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 188
Comment 1: Dist.: 3m, Ant.: HL 223+notch
Comment 2: Freq: 875.944MHz, Pmax: -51.13dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

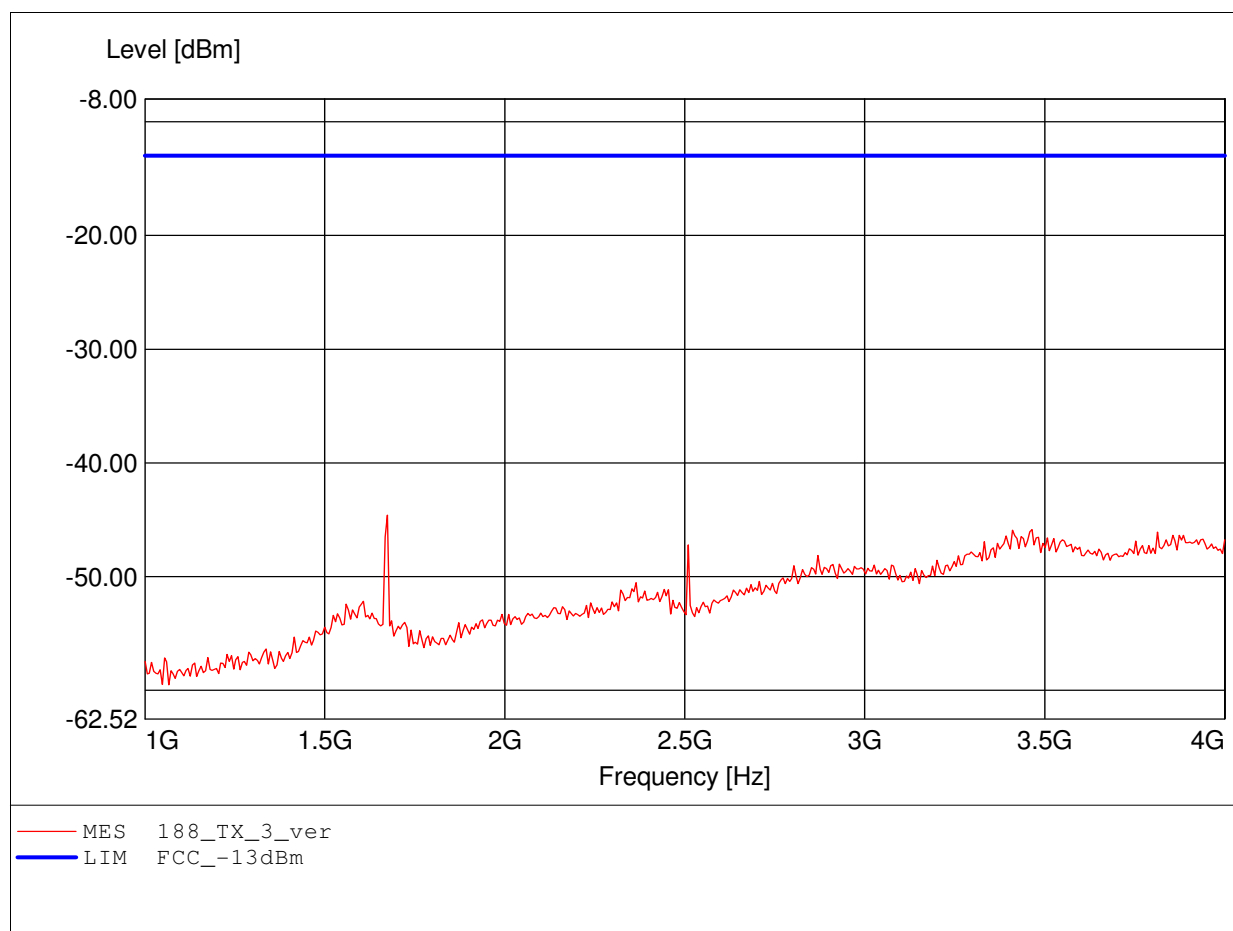
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 188
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 2.509GHz, Pmax: -43.18dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

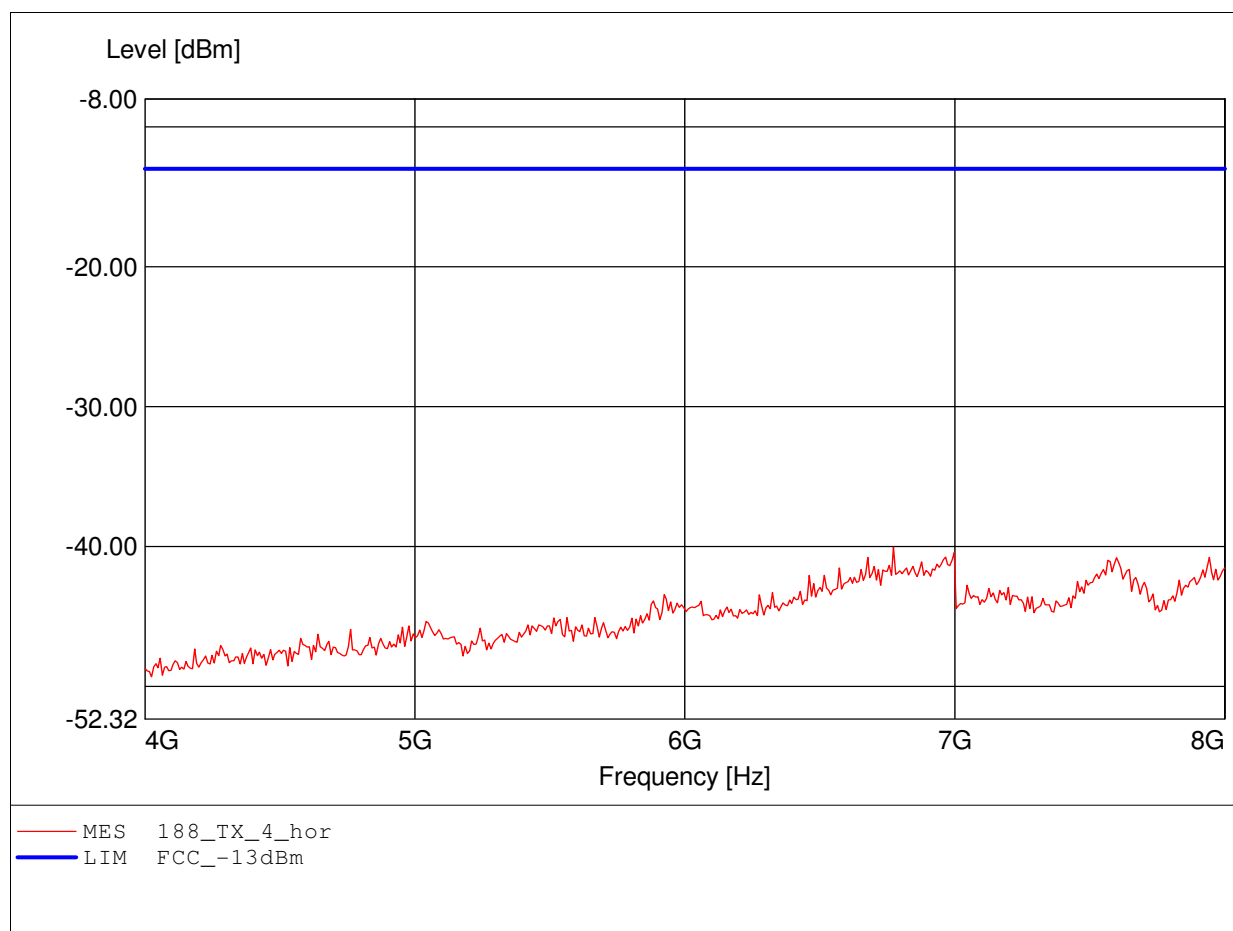
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 188
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 1.673GHz, Pmax: -44.61dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

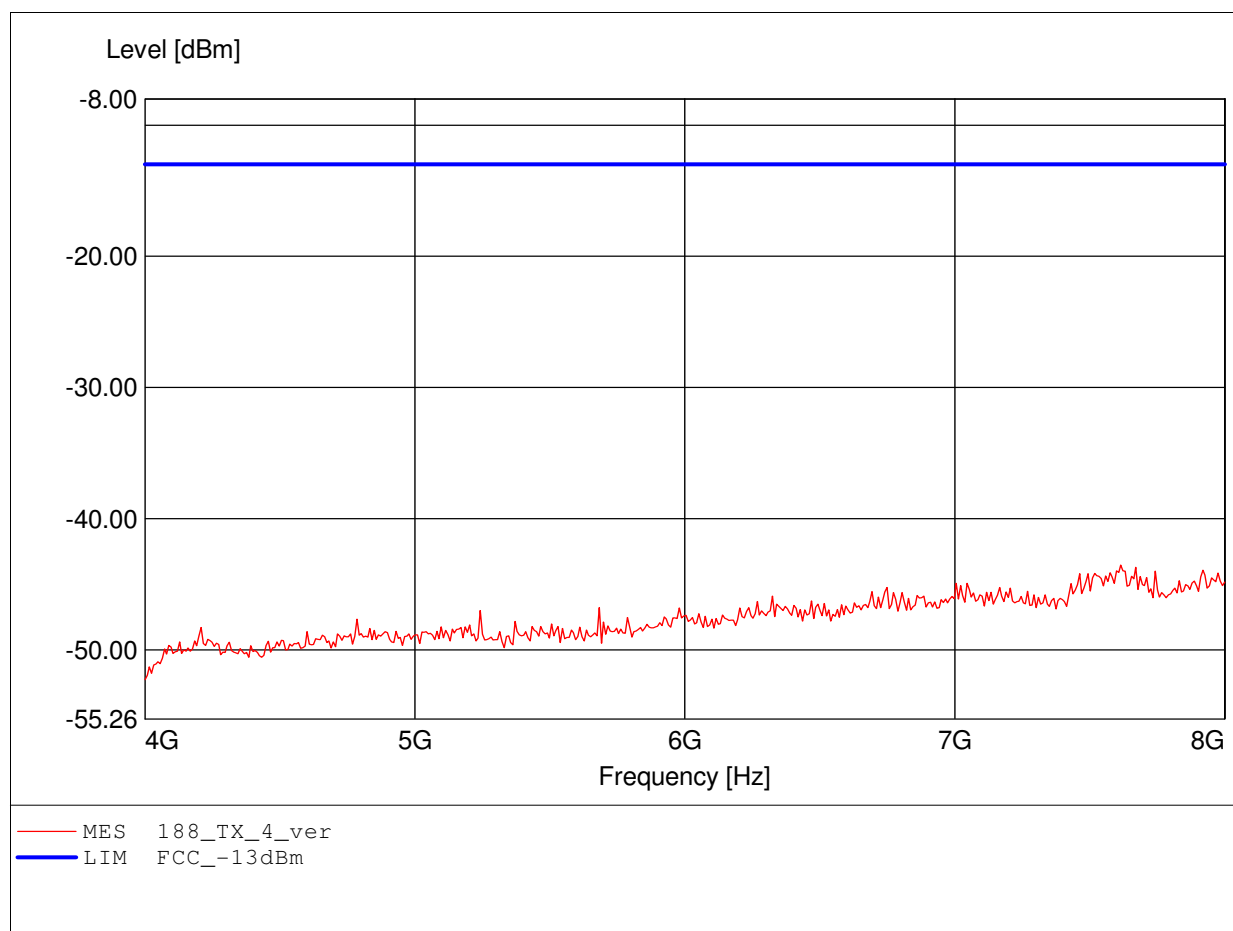
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 188
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 6.774GHz, Pmax: -40.04dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

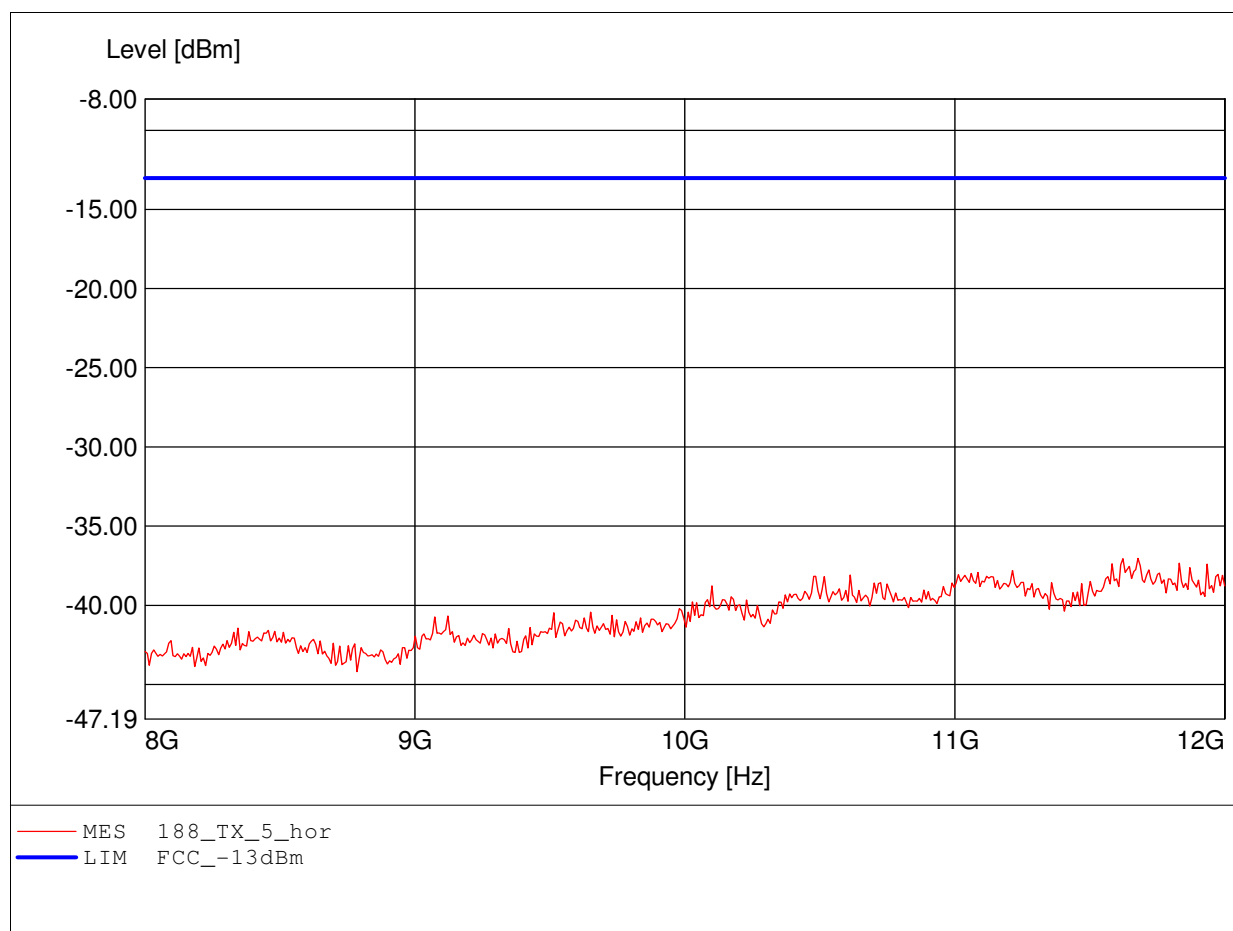
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 188
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 7.615GHz, Pmax: -43.53dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

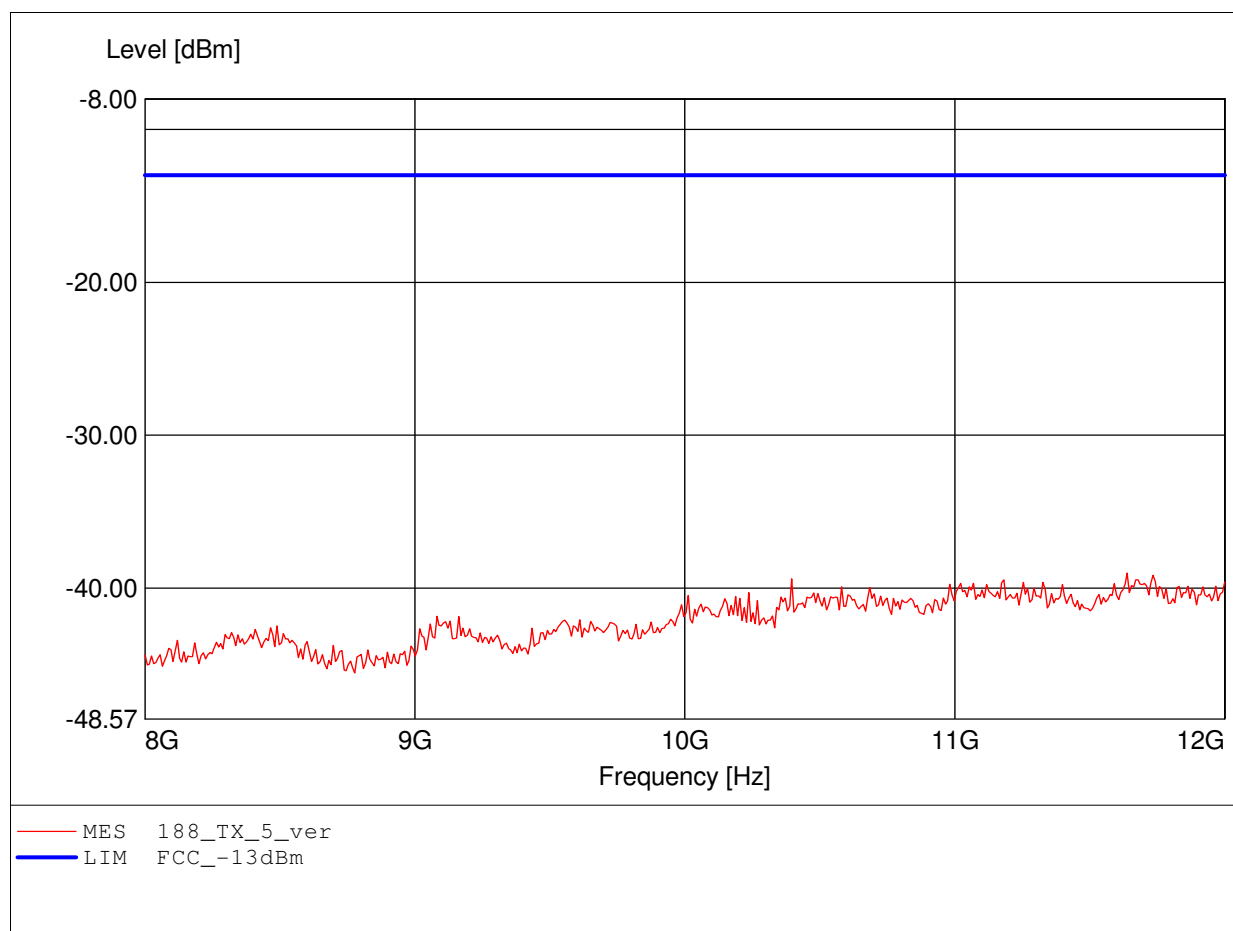
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 188
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 11.679GHz, Pmax: -37.05dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

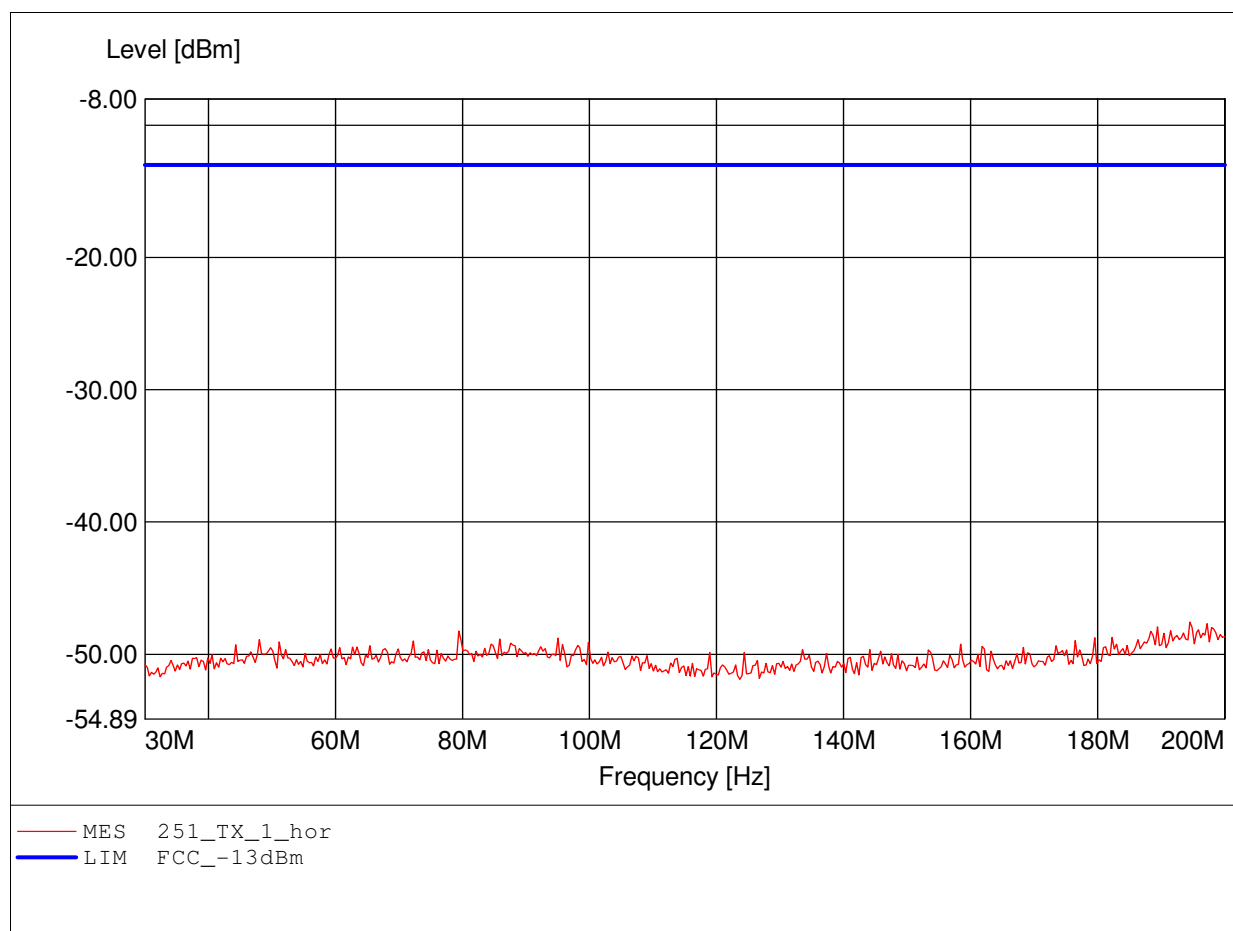
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 188
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 11.639GHz, Pmax: -39.02dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

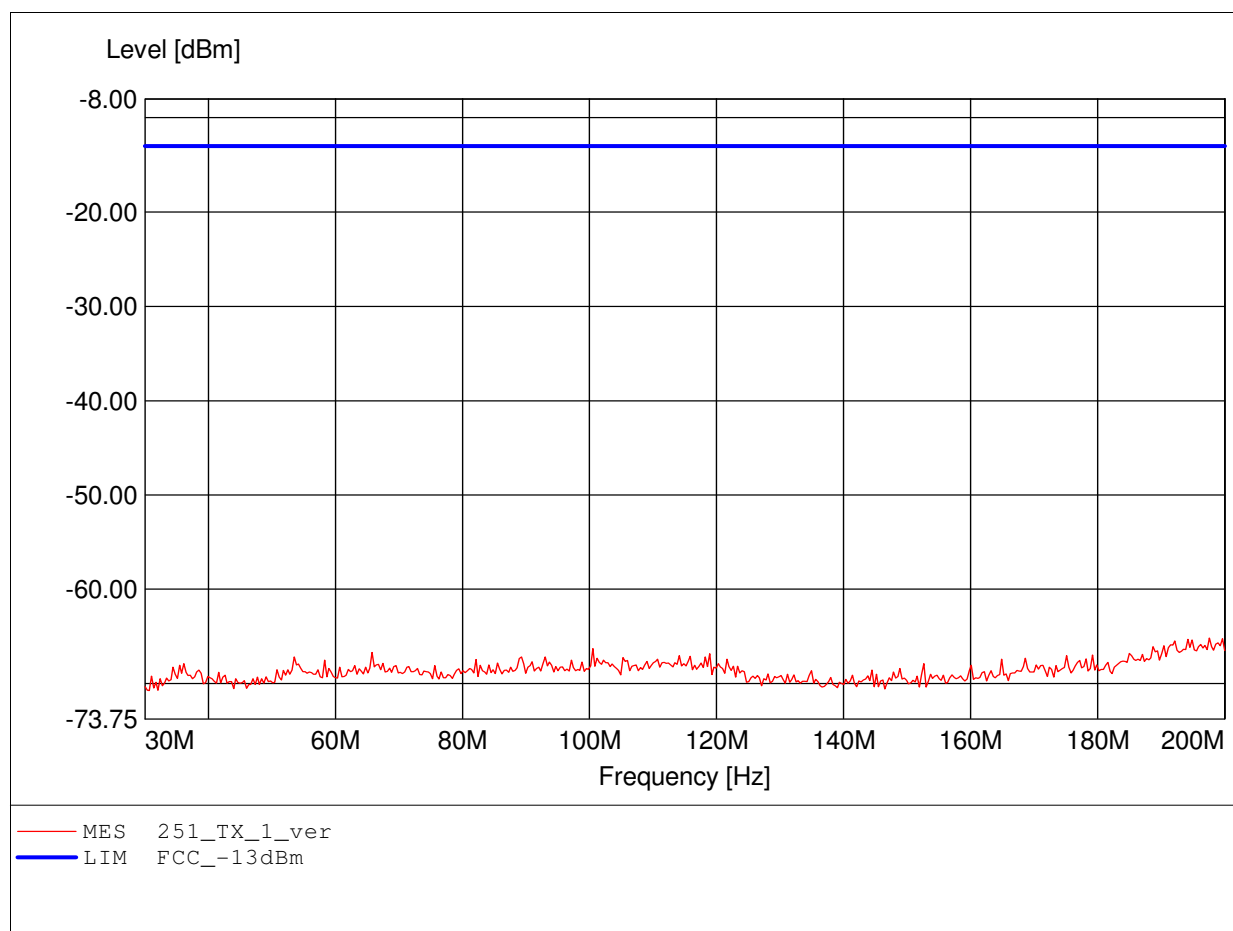
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 251
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 194.549MHz, Pmax: -47.57dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

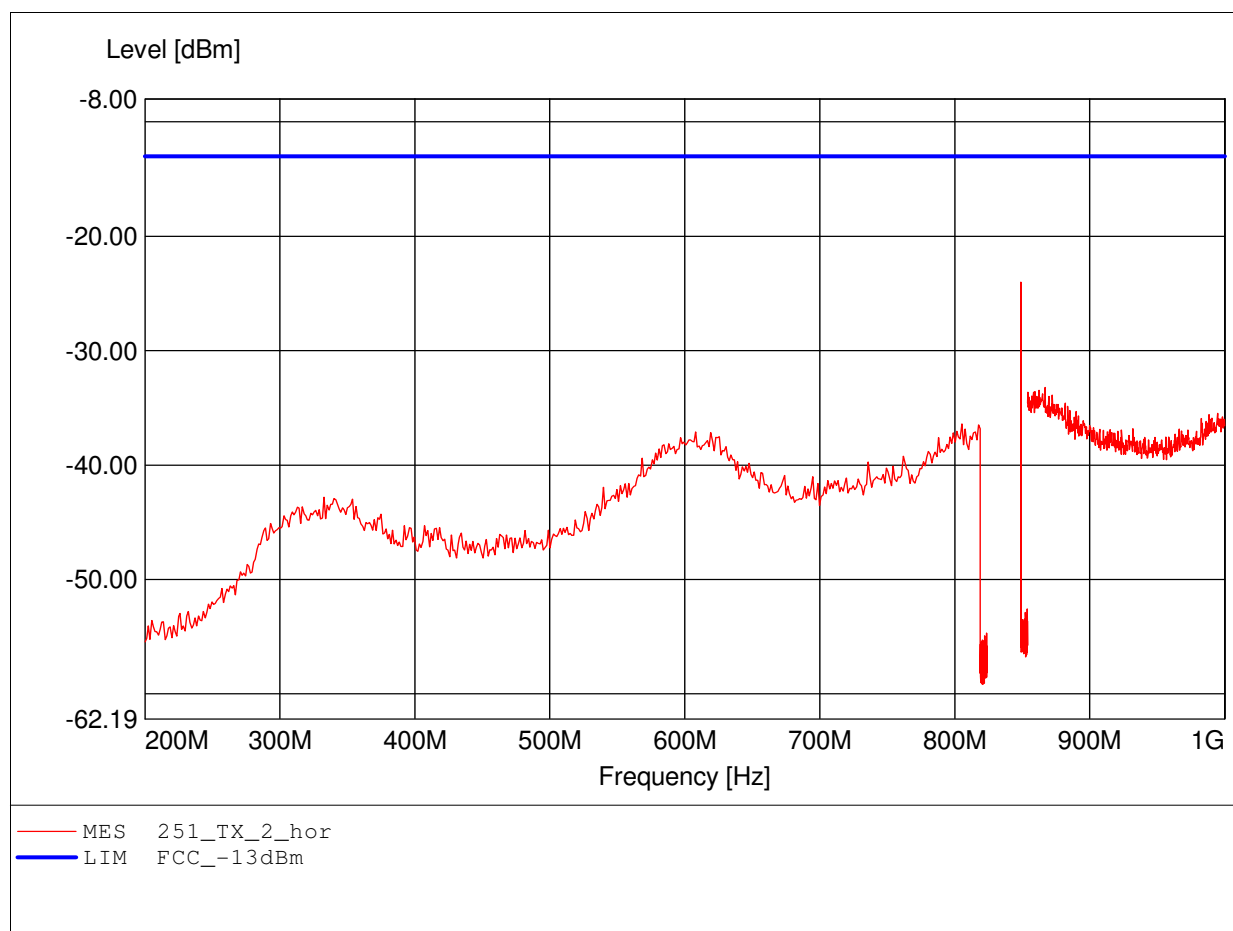
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 251
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 197.615MHz, Pmax: -65.16dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

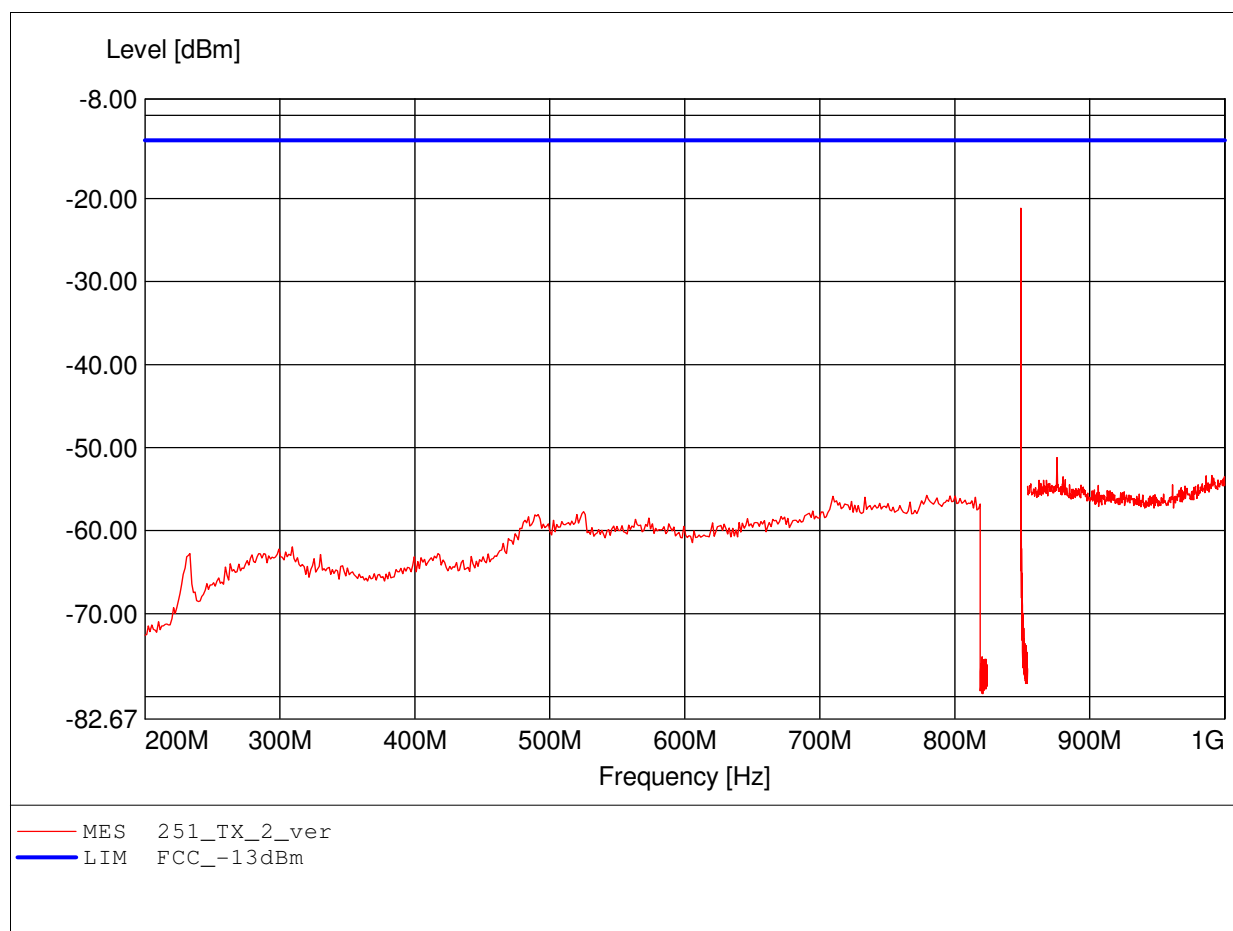
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 251
Comment 1: Dist.: 3m, Ant.: HL 223+notch
Comment 2: Freq: 849.010MHz, Pmax: -24.02dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

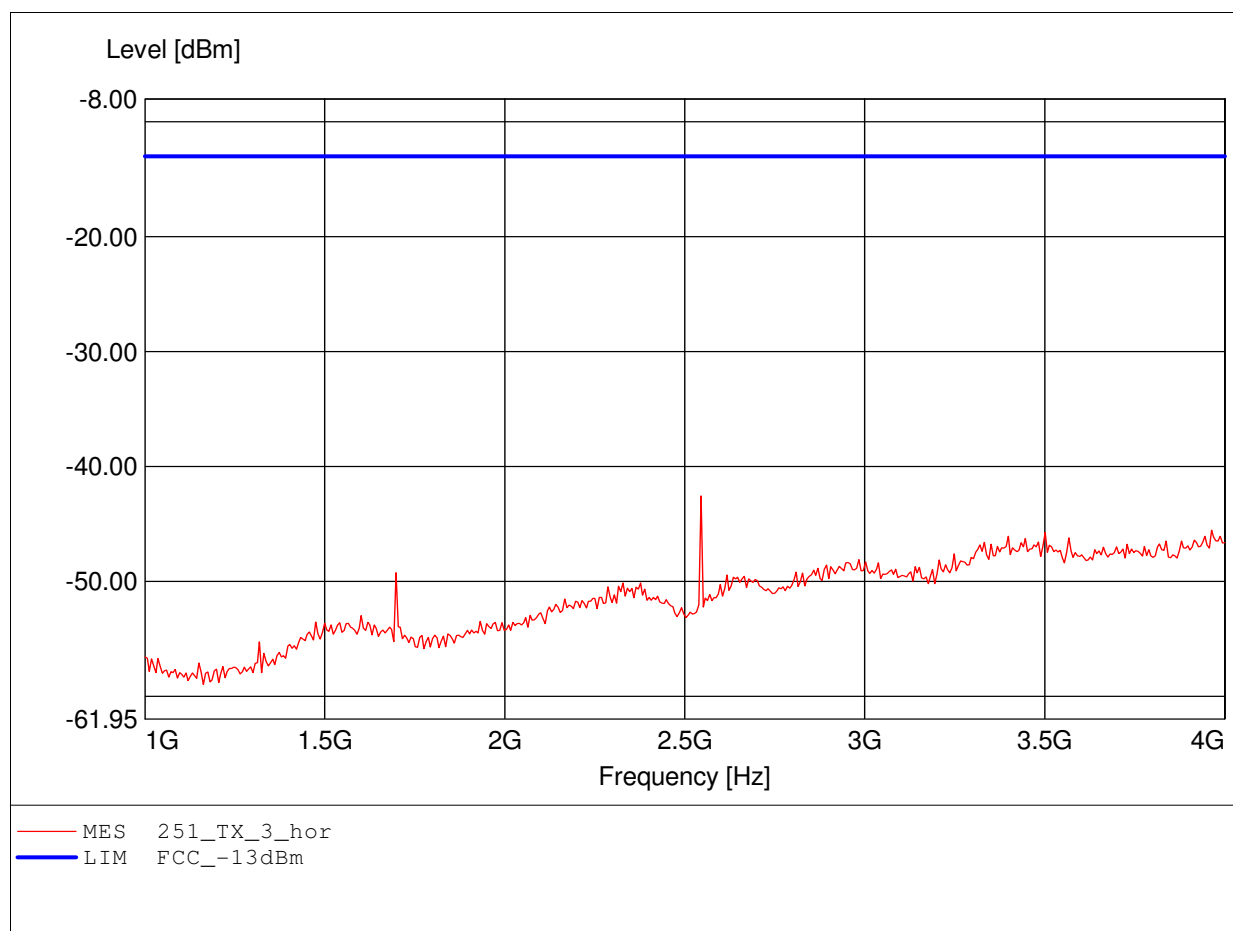
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 251
Comment 1: Dist.: 3m, Ant.: HL 223+notch
Comment 2: Freq: 849.020MHz, Pmax: -21.16dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

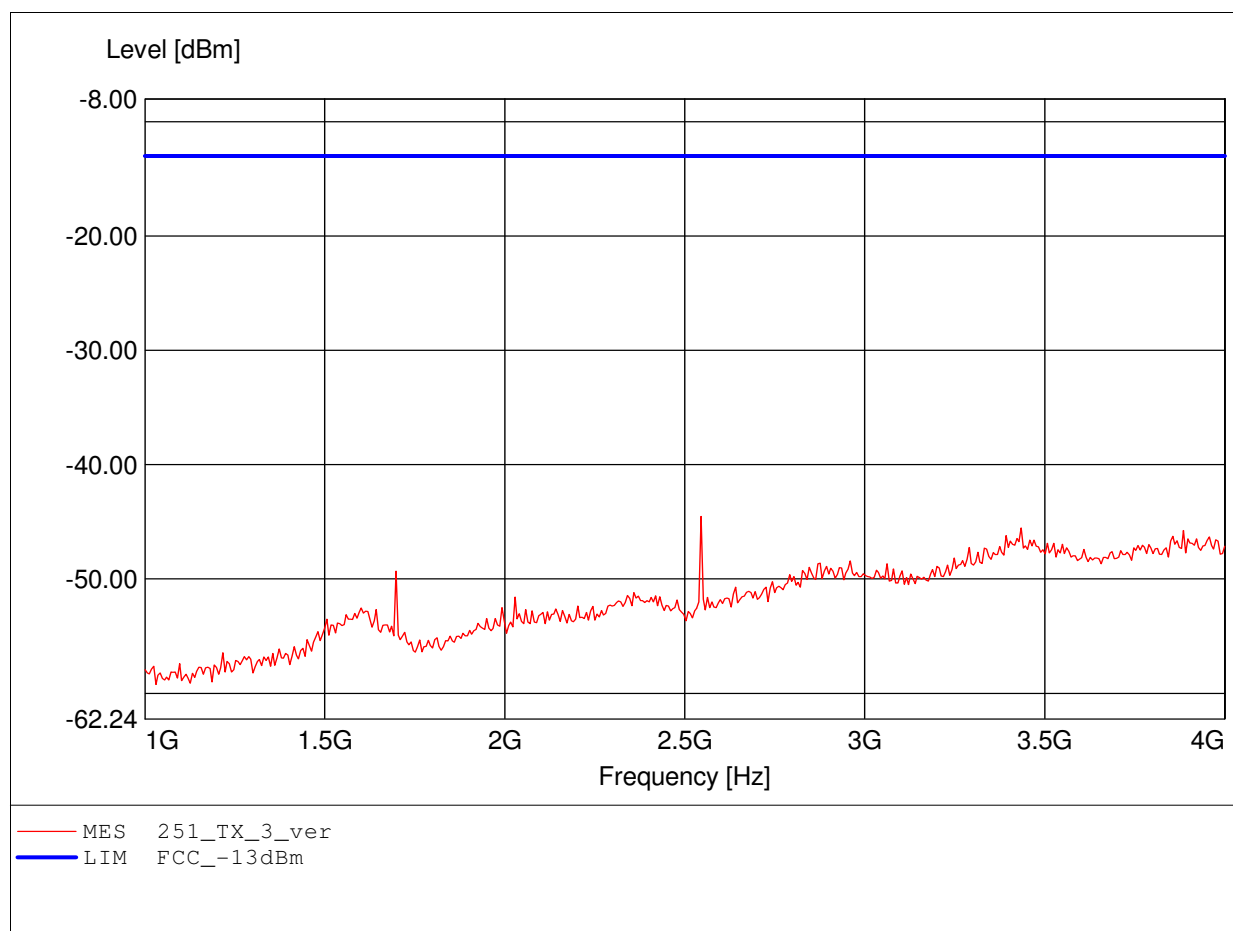
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 251
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 2.545GHz, Pmax: -42.55dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

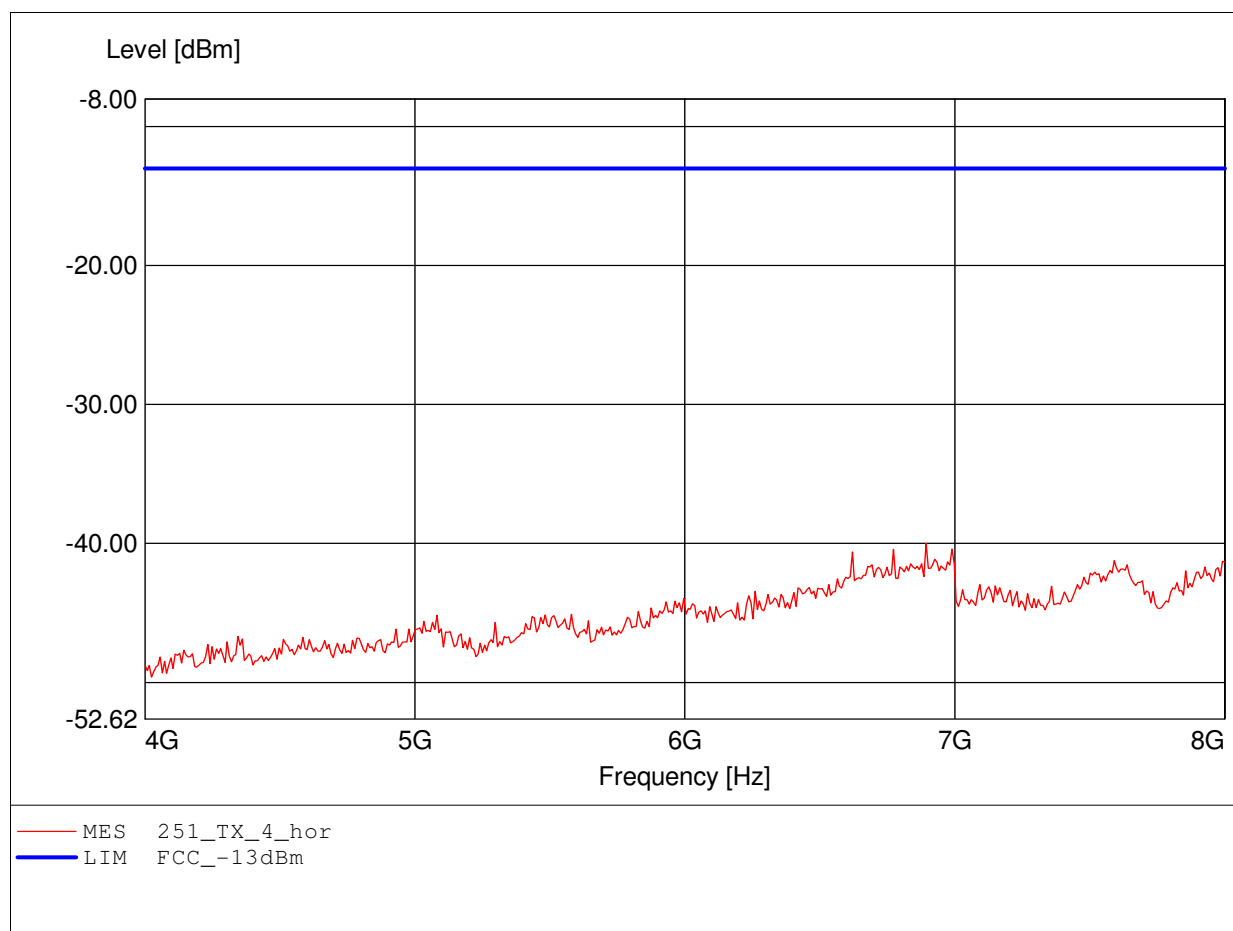
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 251
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 2.545GHz, Pmax: -44.53dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

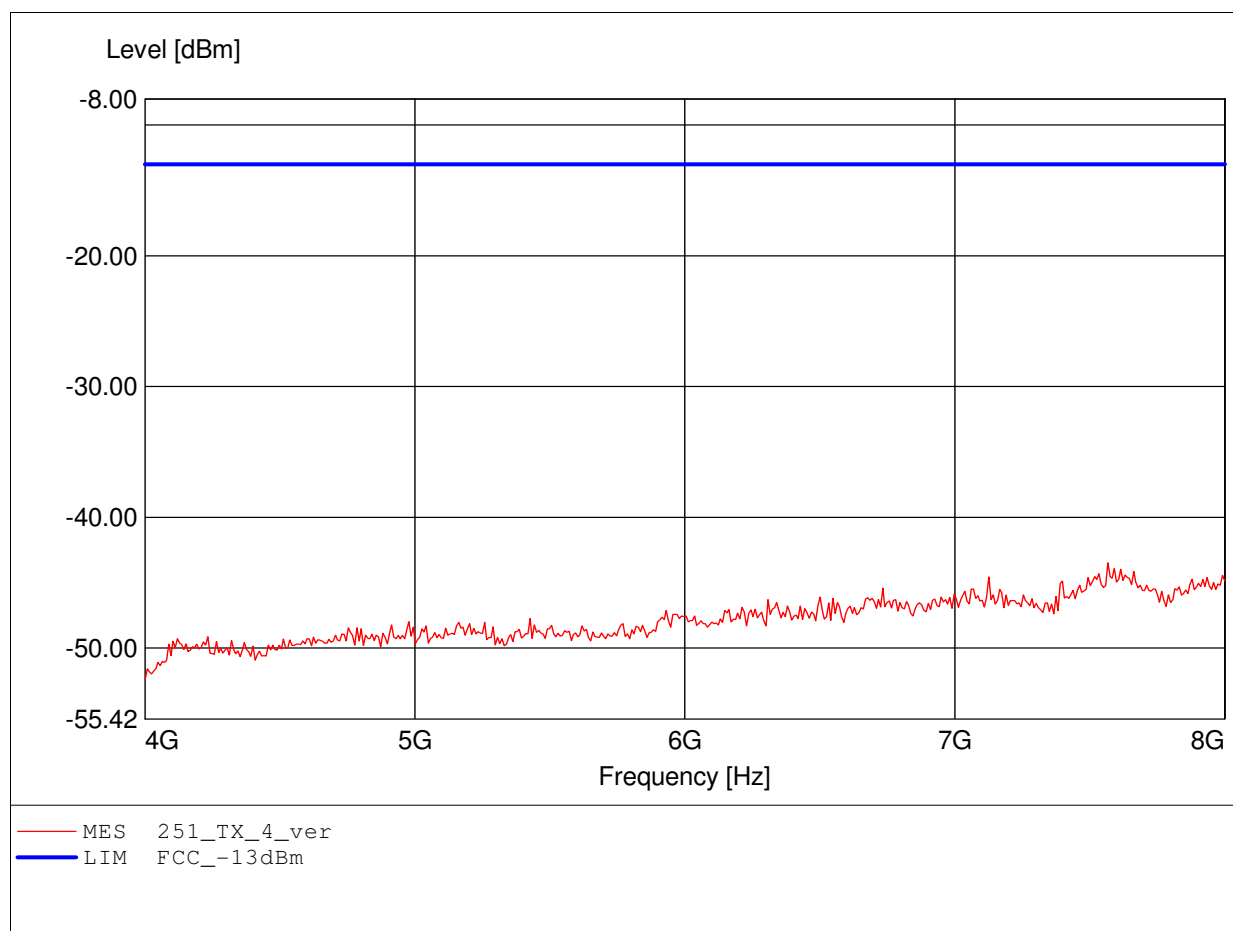
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 251
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 6.894GHz, Pmax: -39.98dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

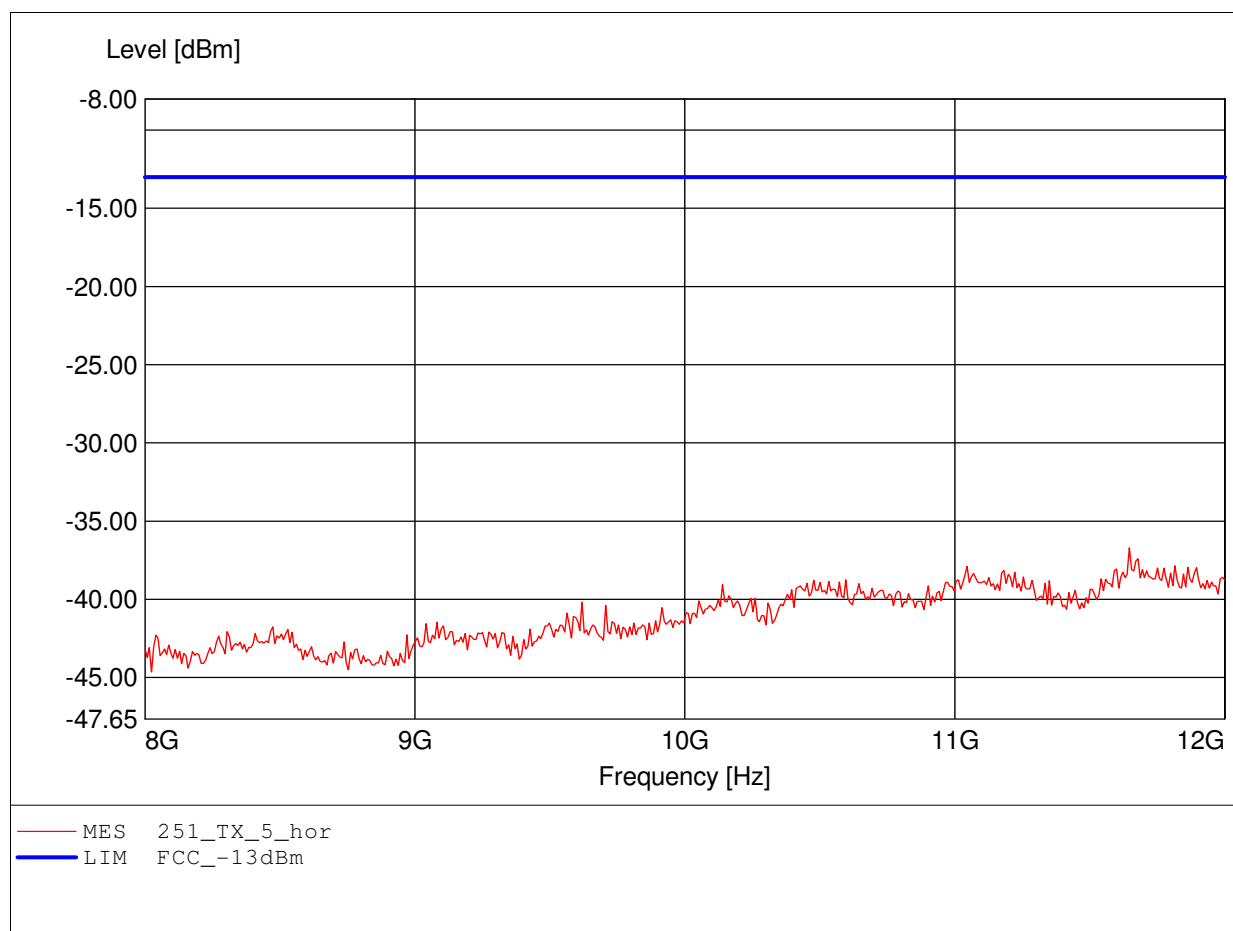
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 251
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 7.567GHz, Pmax: -43.48dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

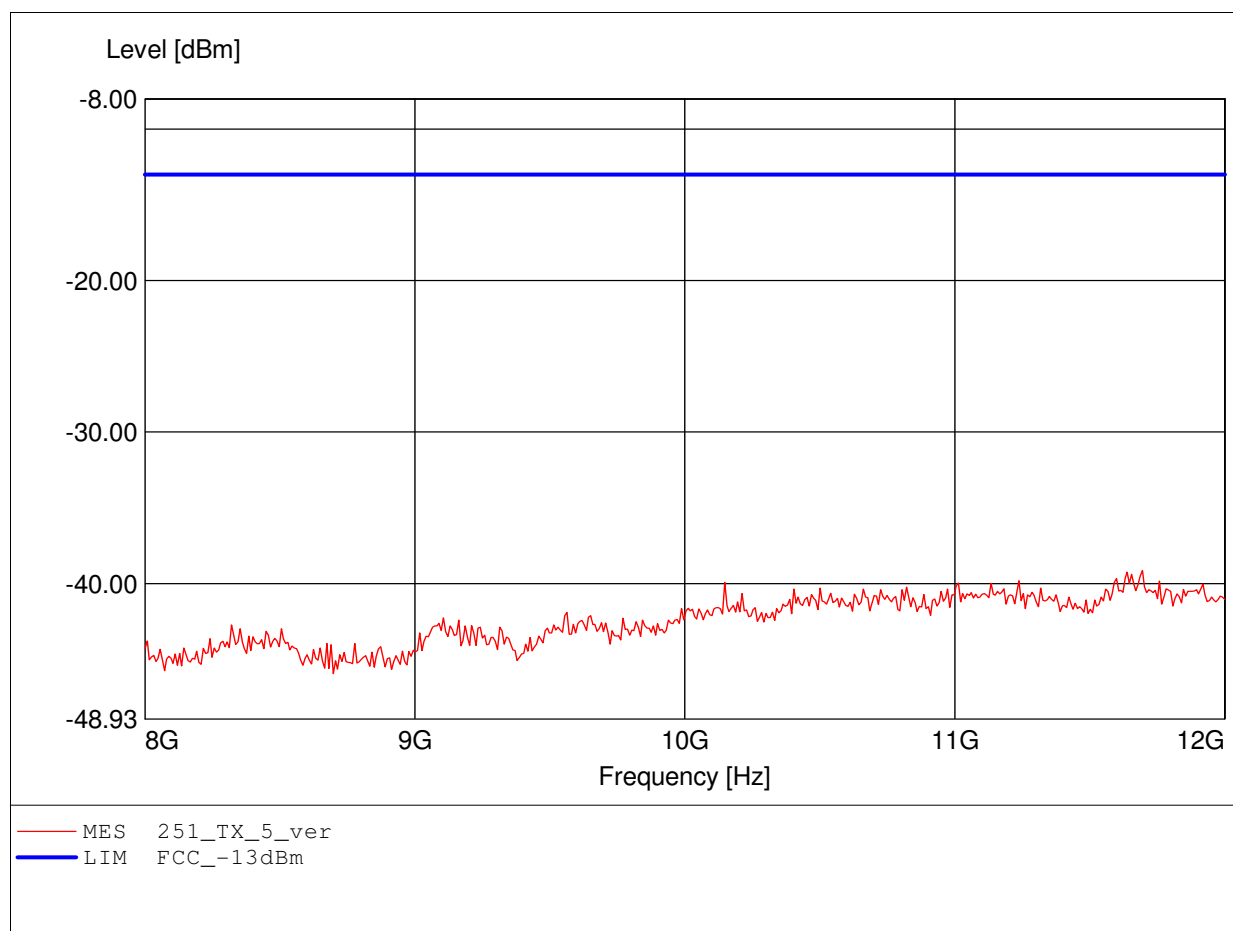
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 251
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 11.647GHz, Pmax: -36.70dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

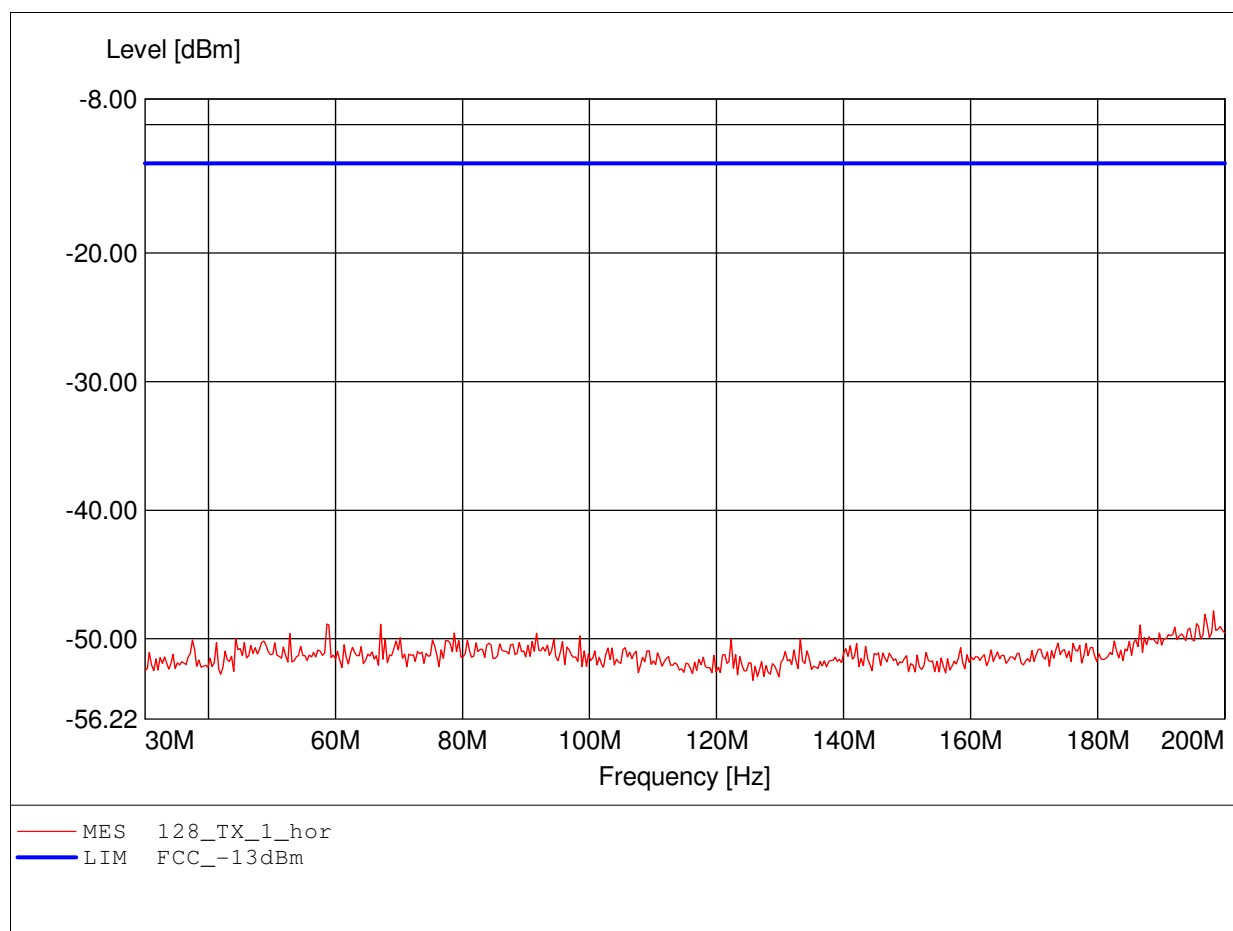
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 251
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 11.695GHz, Pmax: -39.13dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

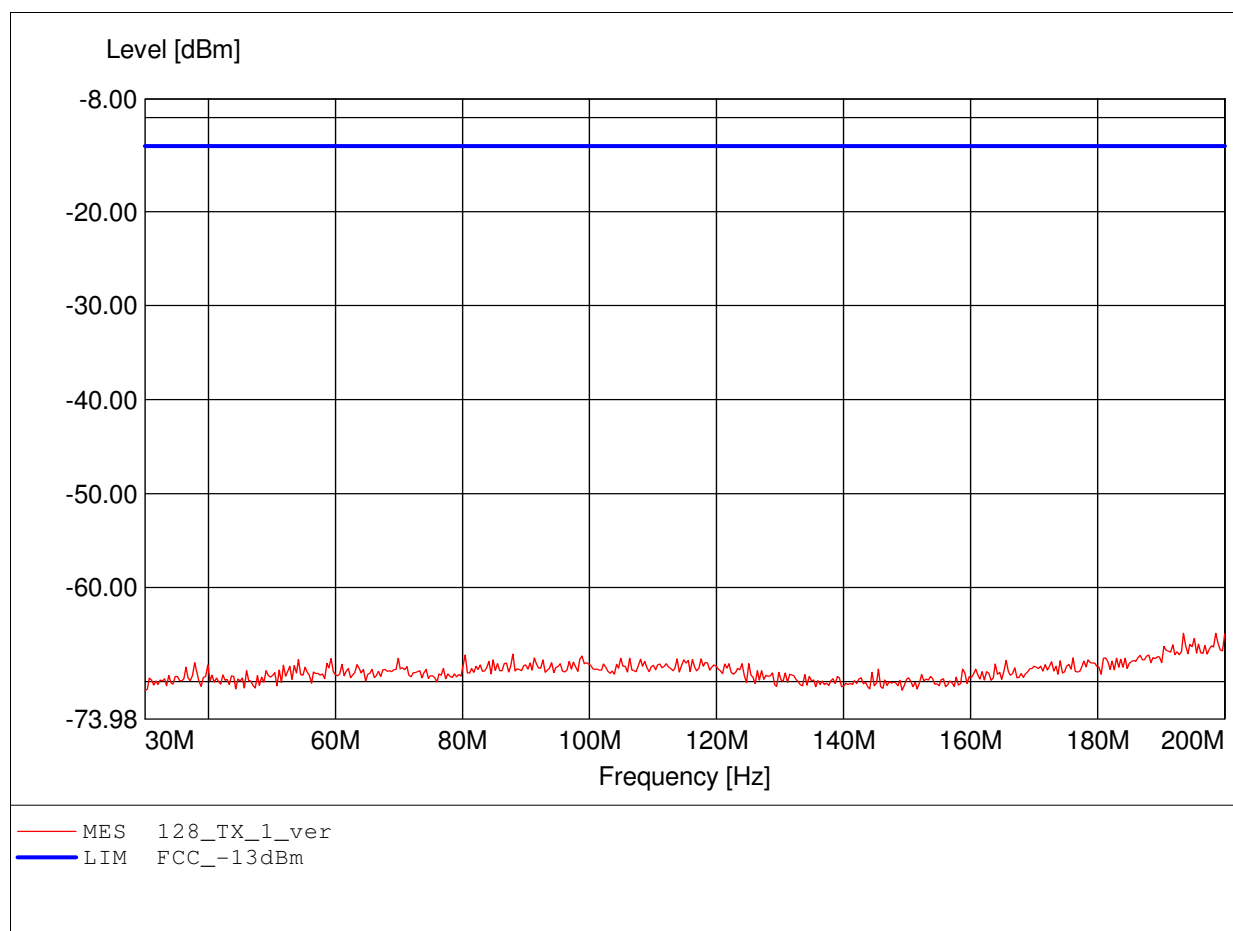
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 128
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 198.297MHz, Pmax: -47.82dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

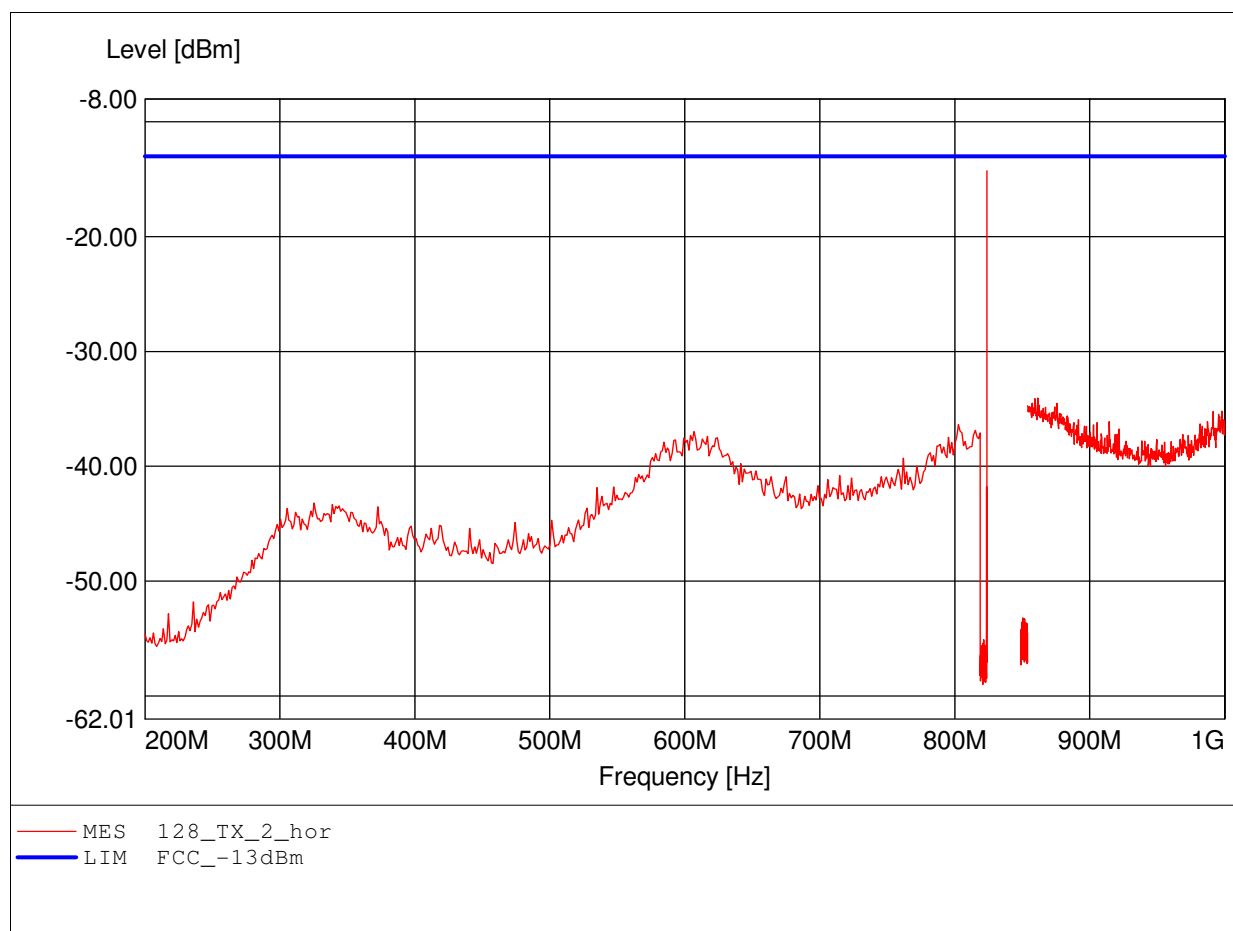
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 128
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 193.527MHz, Pmax: -64.86dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

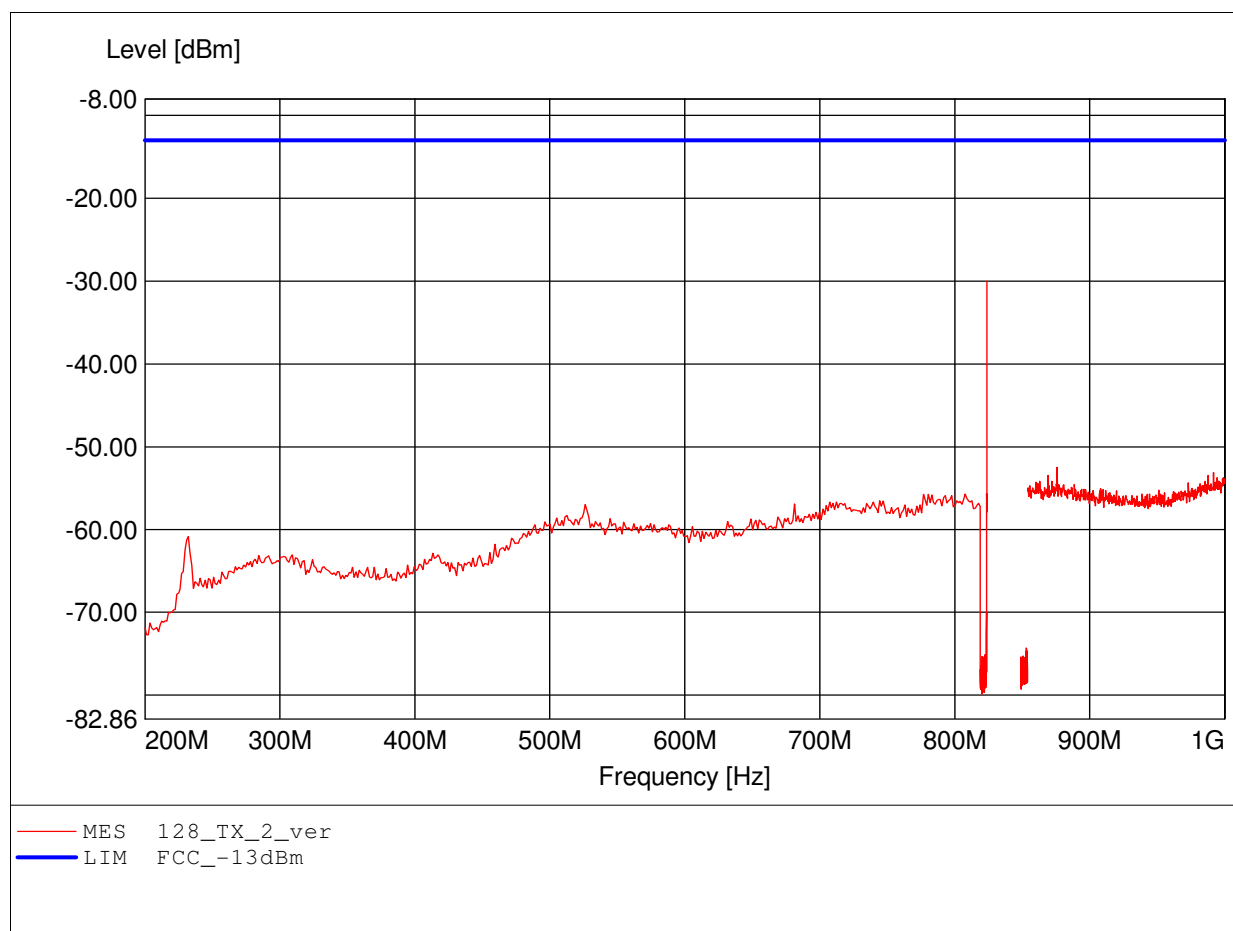
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 128
Comment 1: Dist.: 3m, Ant.: HL 223+notch
Comment 2: Freq: 824.000MHz, Pmax: -14.26dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

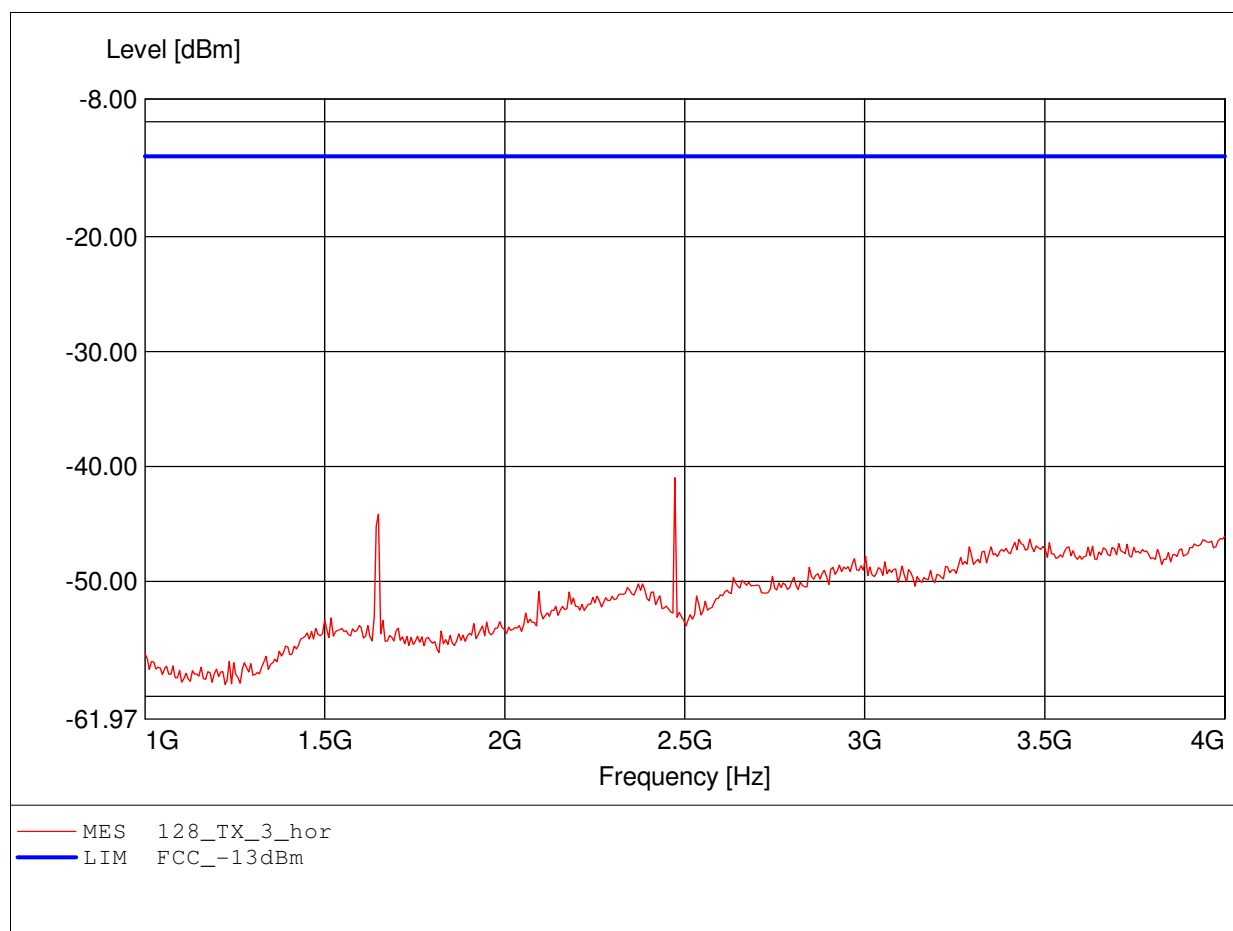
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 128
Comment 1: Dist.: 3m, Ant.: HL 223+notch
Comment 2: Freq: 824.000MHz, Pmax: -30.00dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

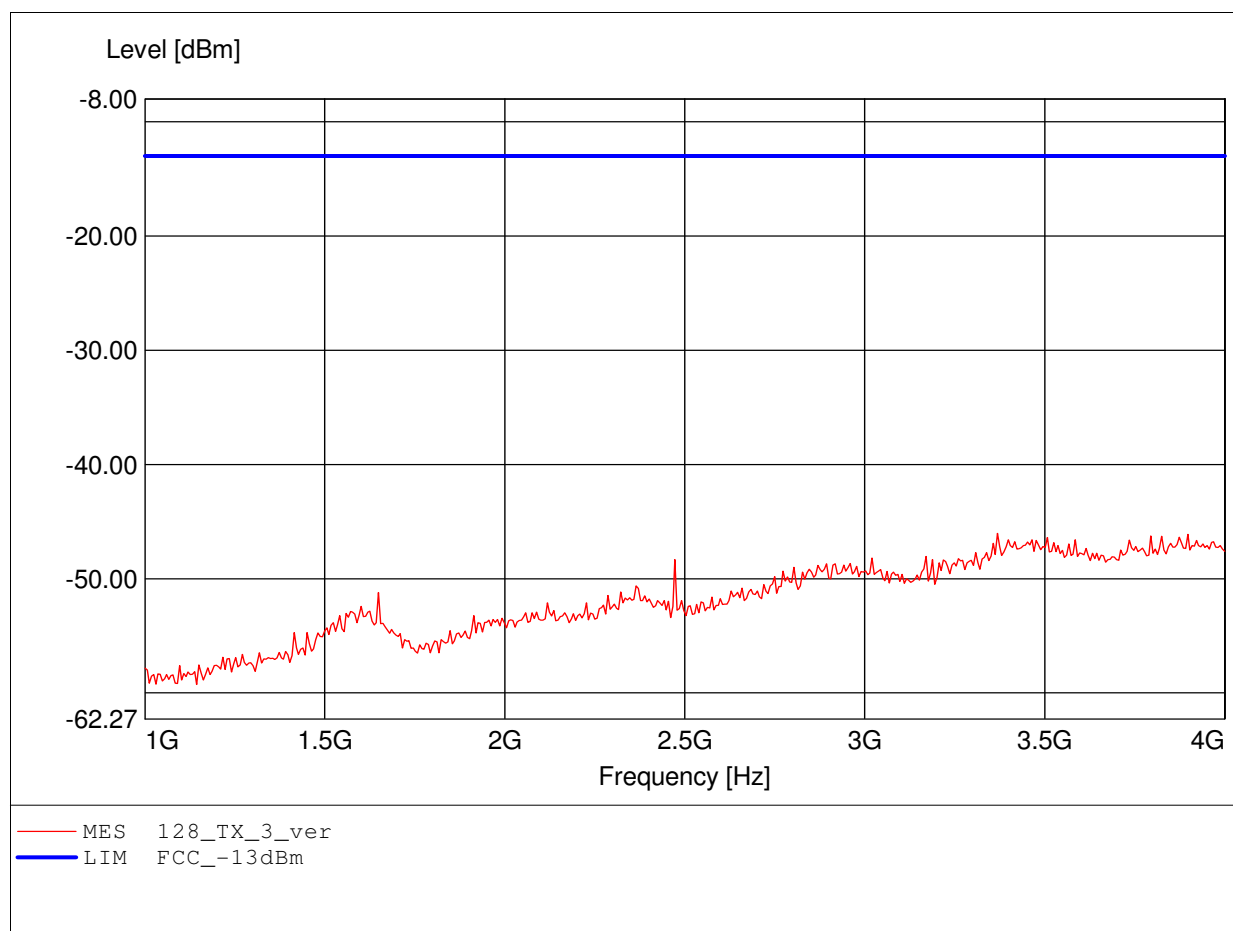
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 128
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 2.473GHz, Pmax: -40.97dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

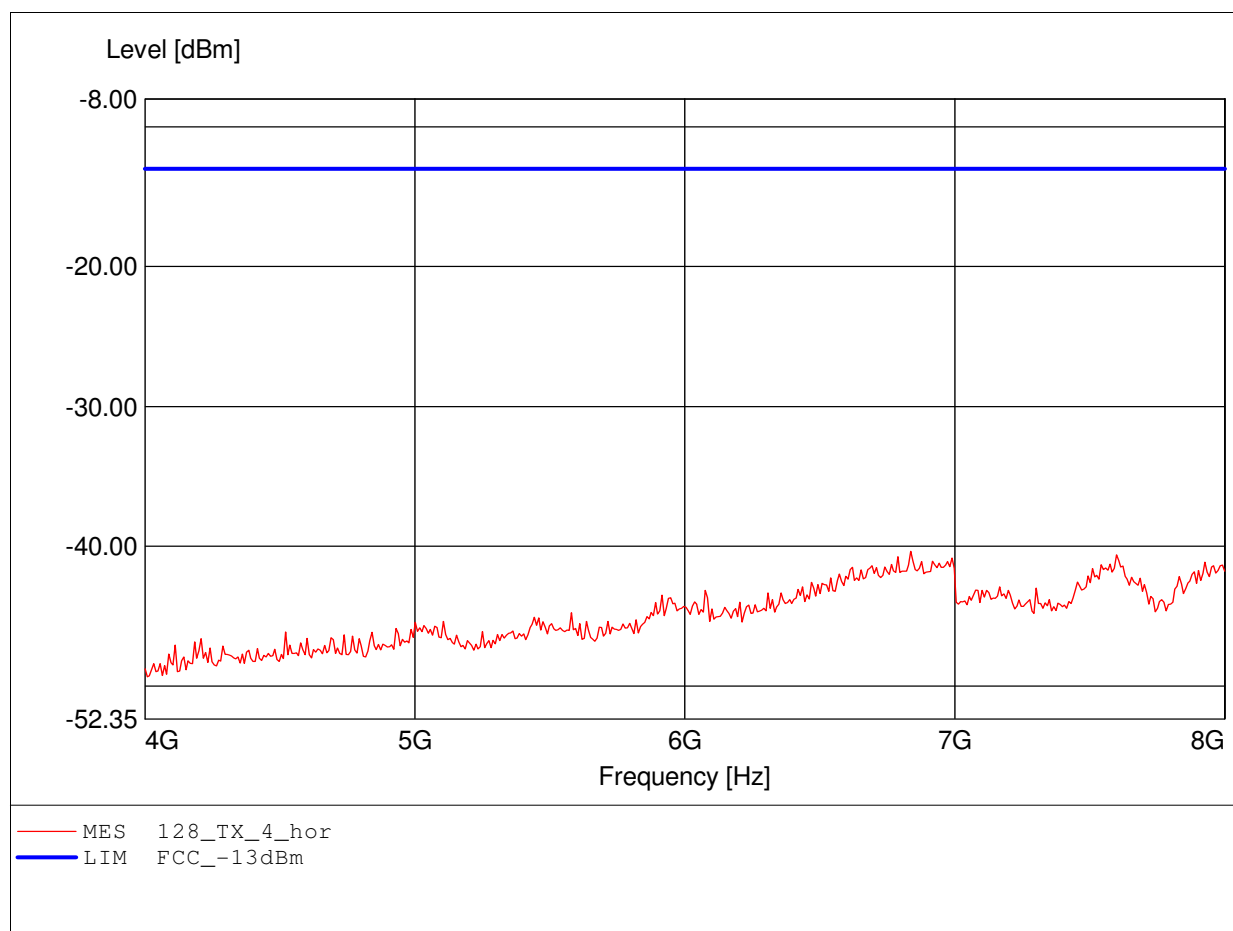
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 128
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 3.369GHz, Pmax: -46.03dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

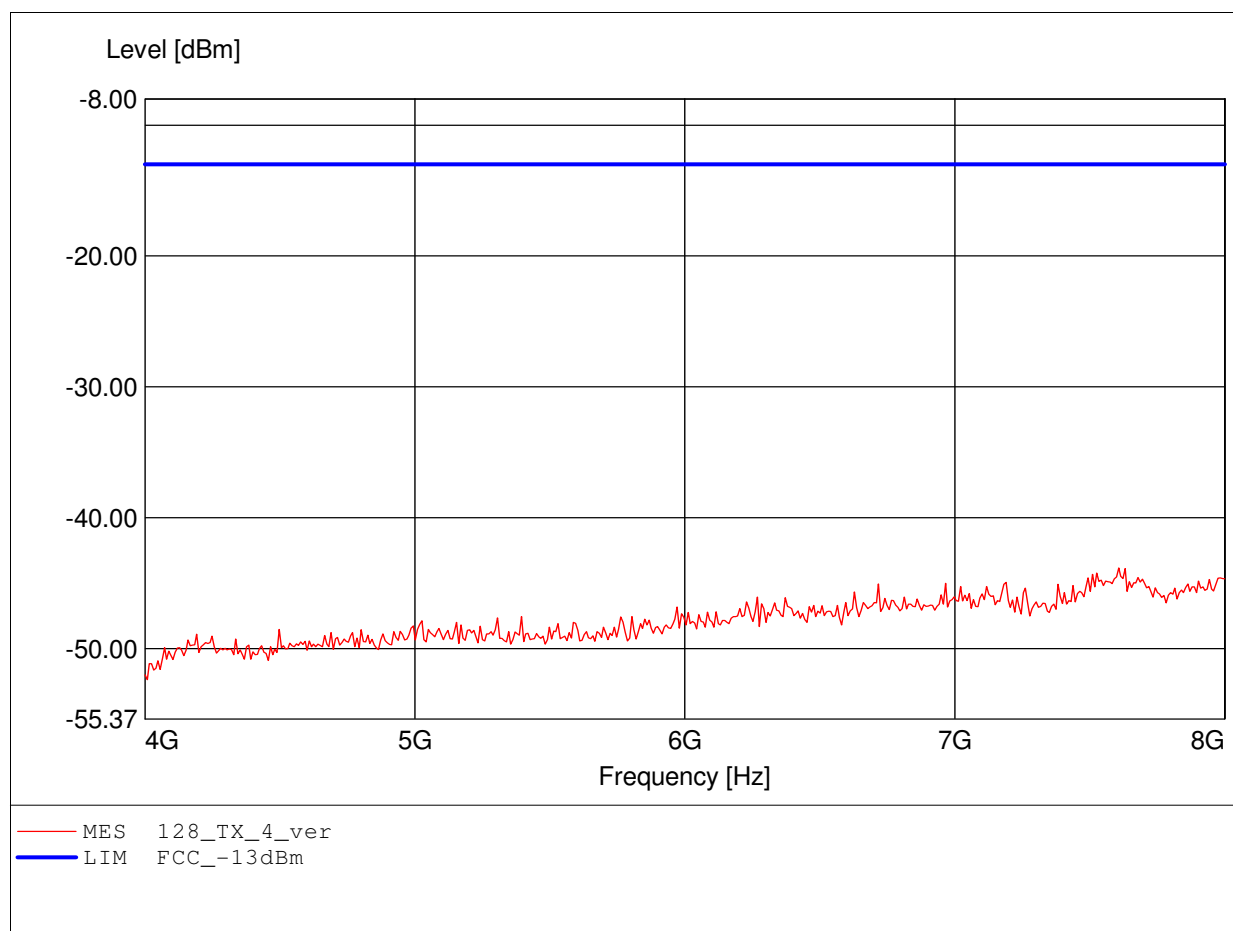
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 128
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 6.838GHz, Pmax: -40.38dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

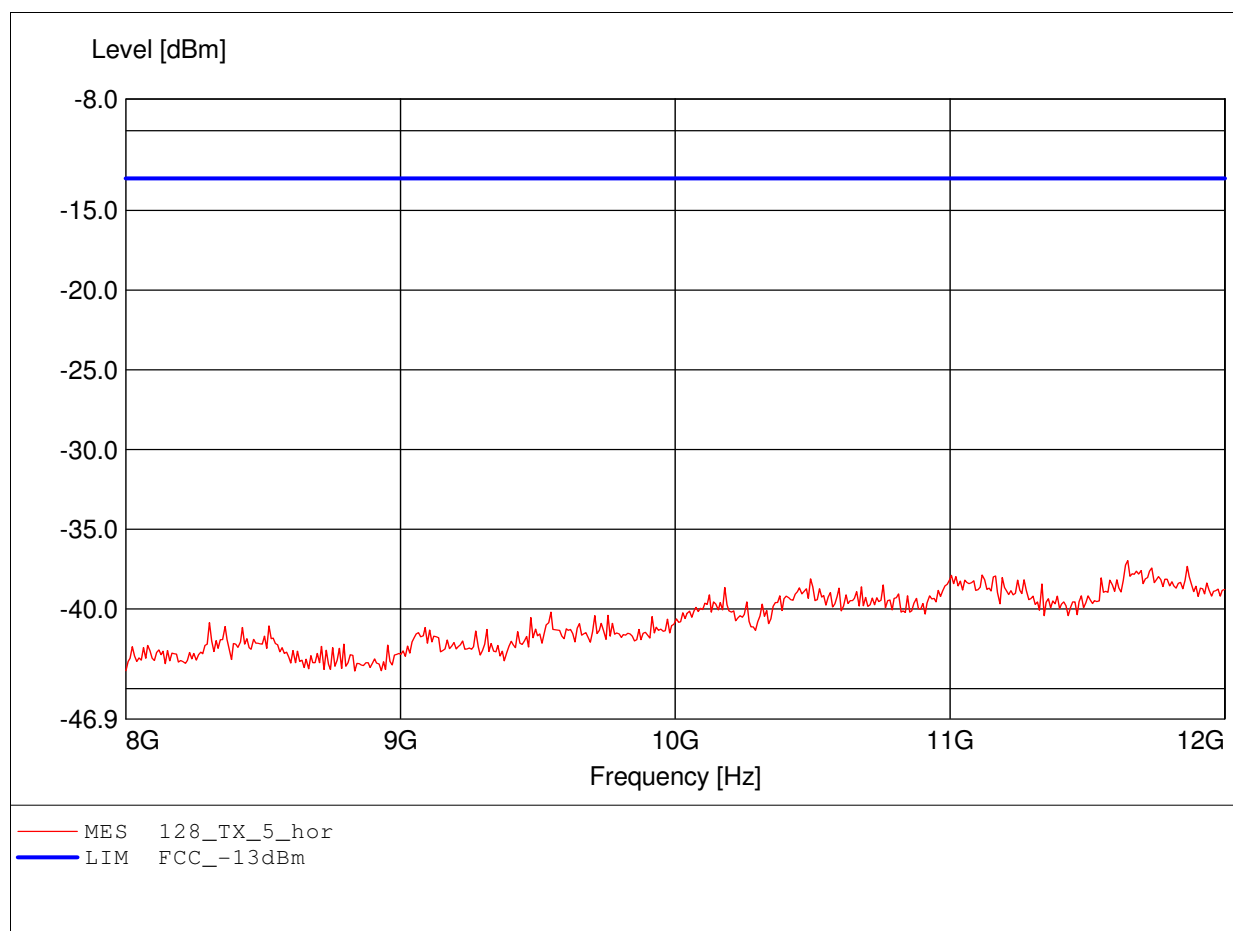
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 128
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 7.607GHz, Pmax: -43.85dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

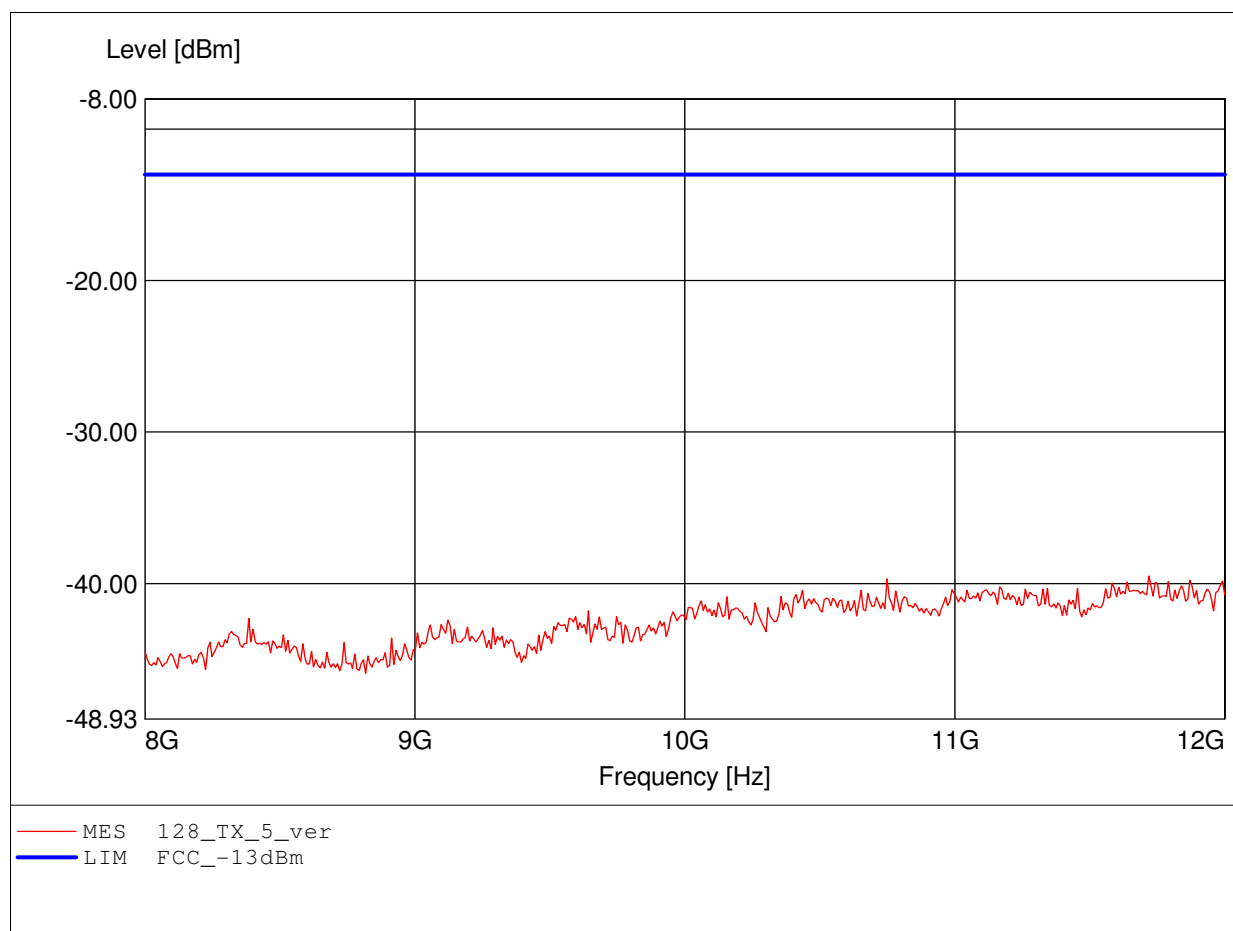
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 128
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 11.647GHz, Pmax: -36.98dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

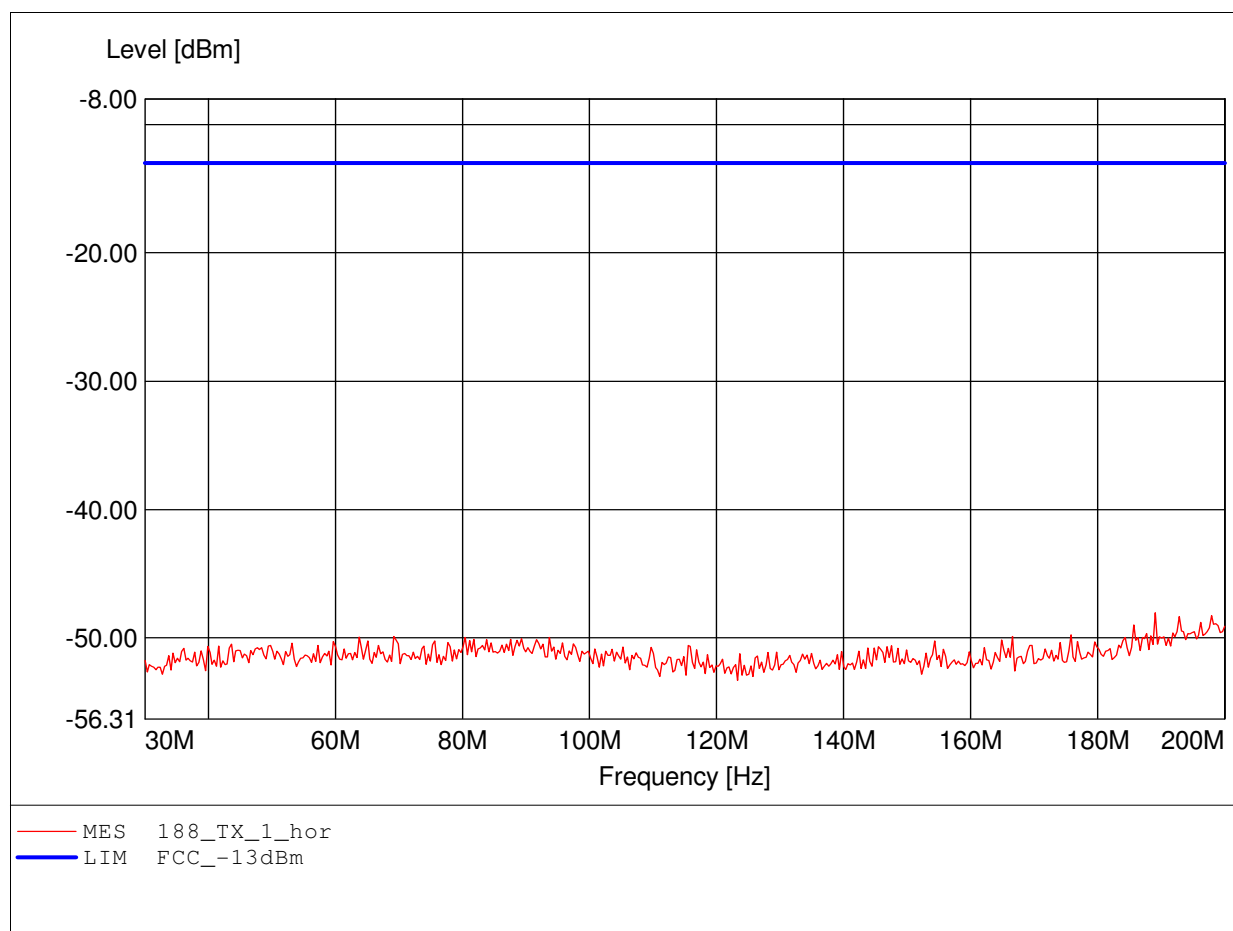
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 128
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 11.719GHz, Pmax: -39.49dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

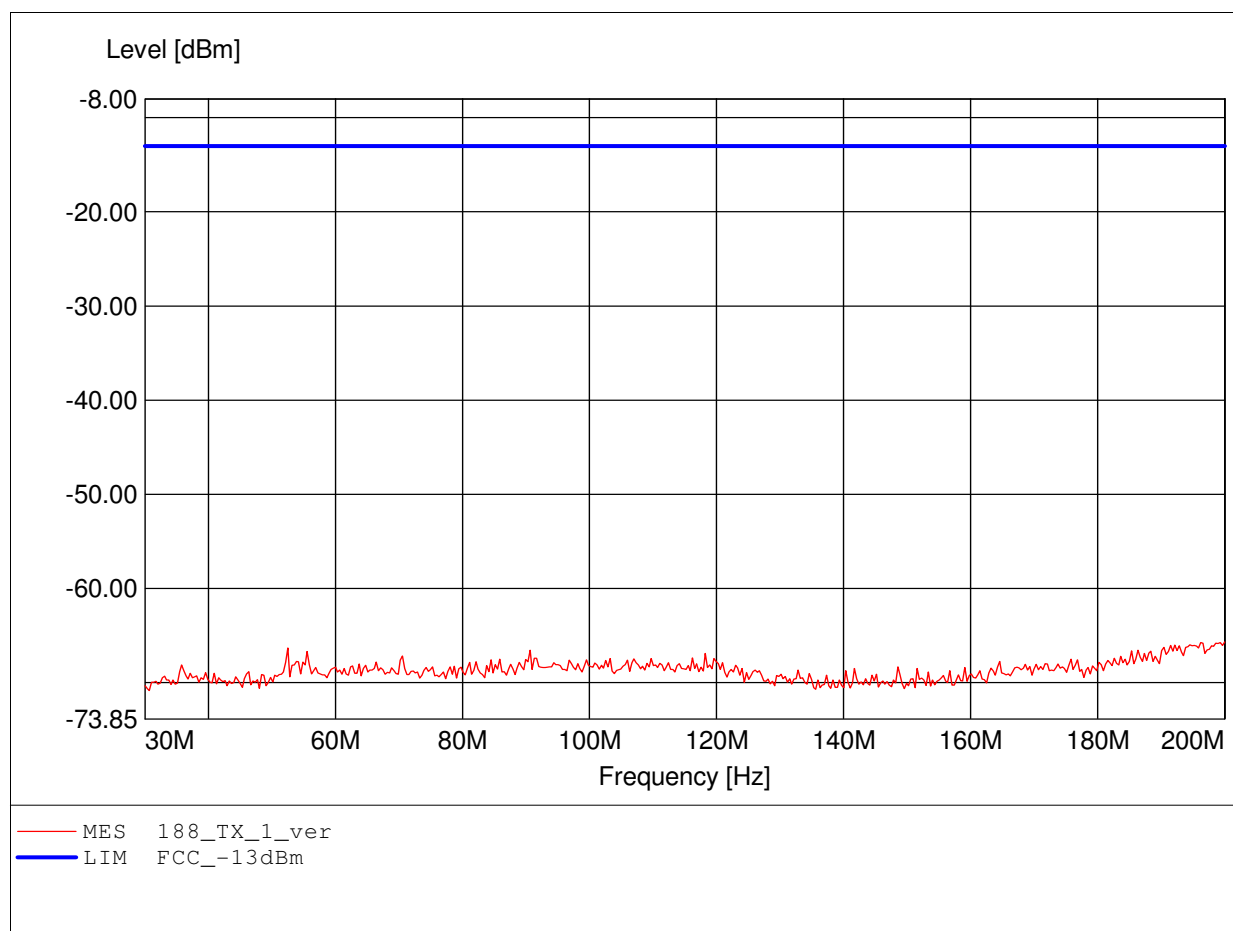
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 188
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 189.098MHz, Pmax: -48.04dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

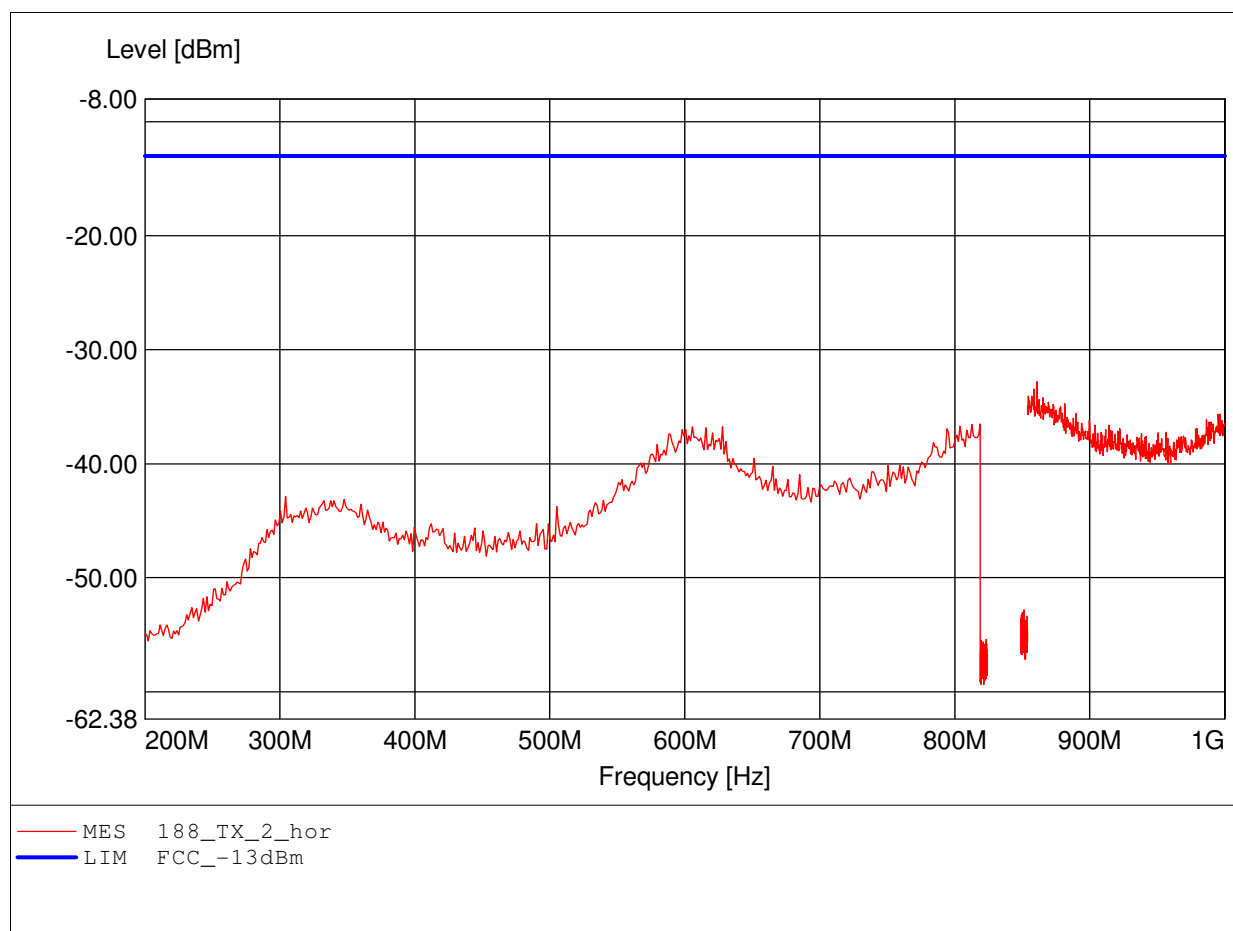
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 188
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 200.000MHz, Pmax: -65.67dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

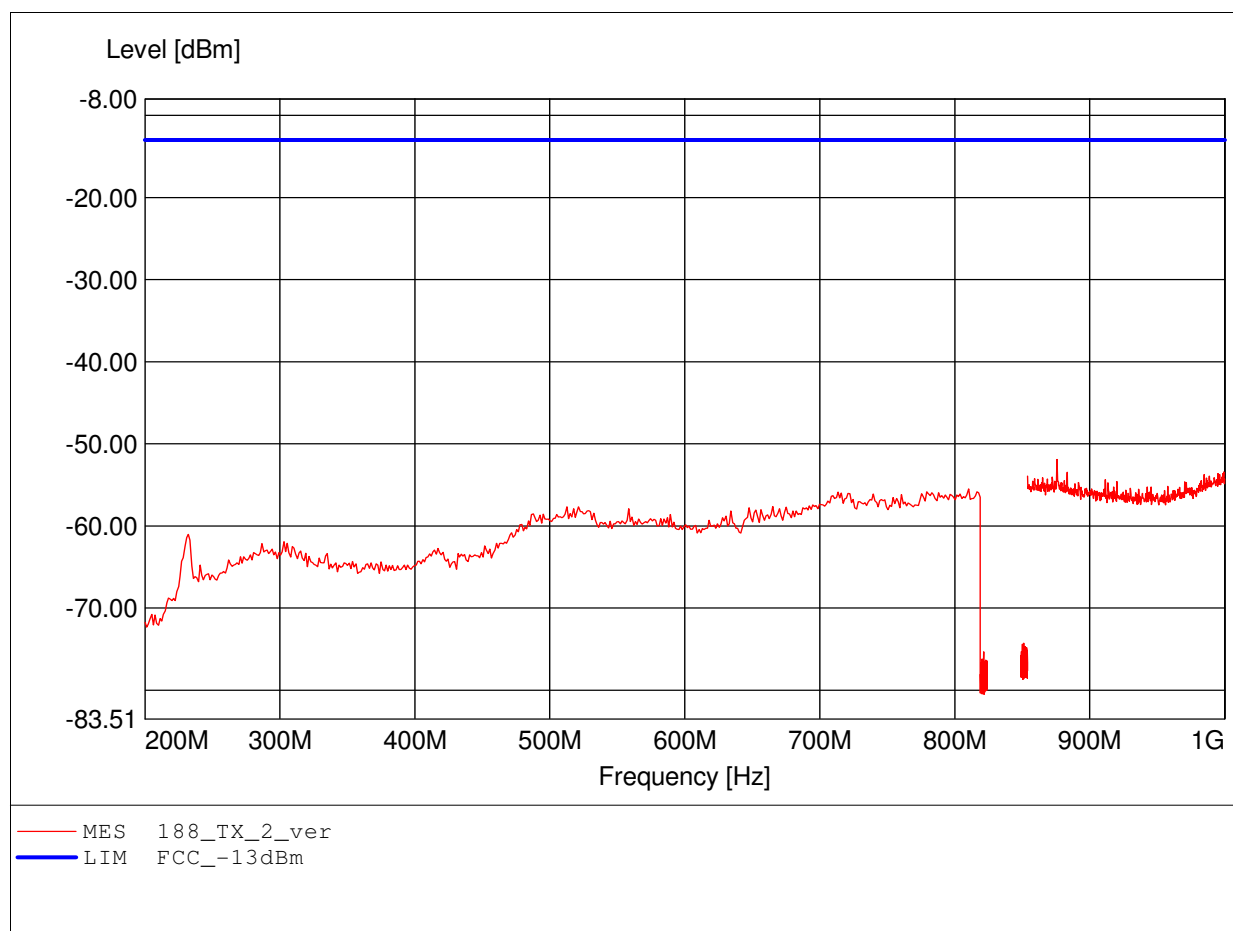
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 188
Comment 1: Dist.: 3m, Ant.: HL 223+notch
Comment 2: Freq: 861.022MHz, Pmax: -32.81dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

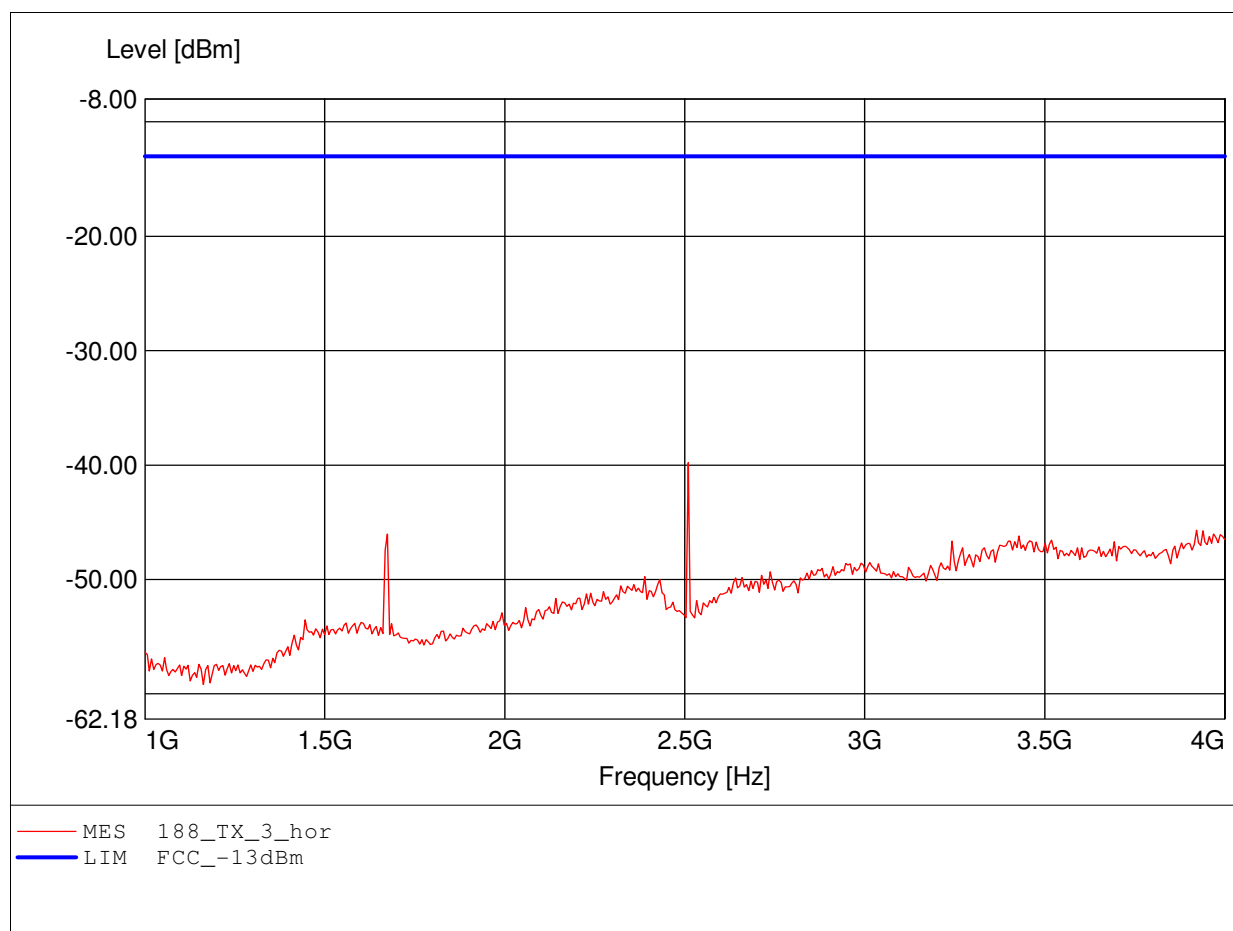
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 188
Comment 1: Dist.: 3m, Ant.: HL 223+notch
Comment 2: Freq: 875.944MHz, Pmax: -51.90dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

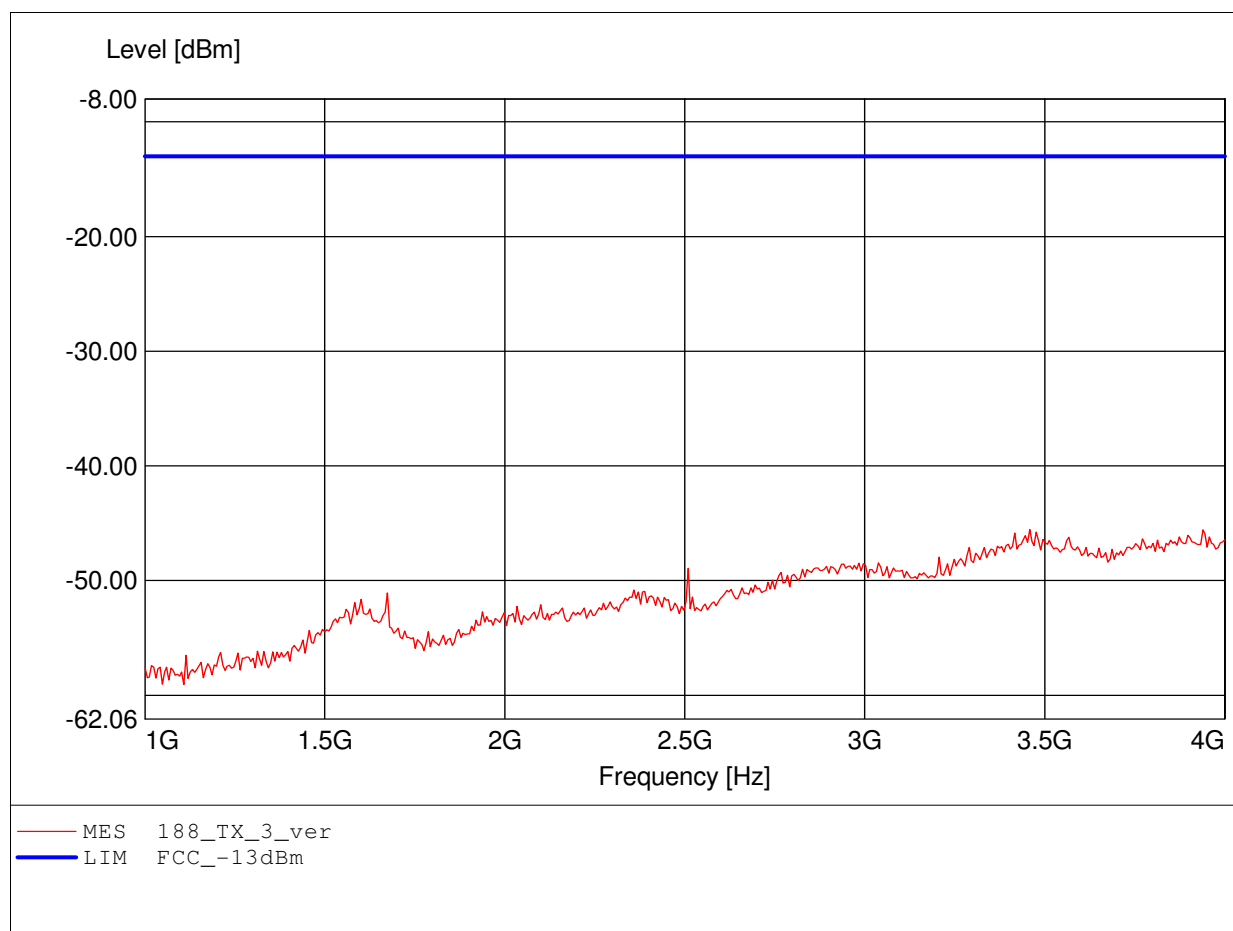
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 188
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 2.509GHz, Pmax: -39.79dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

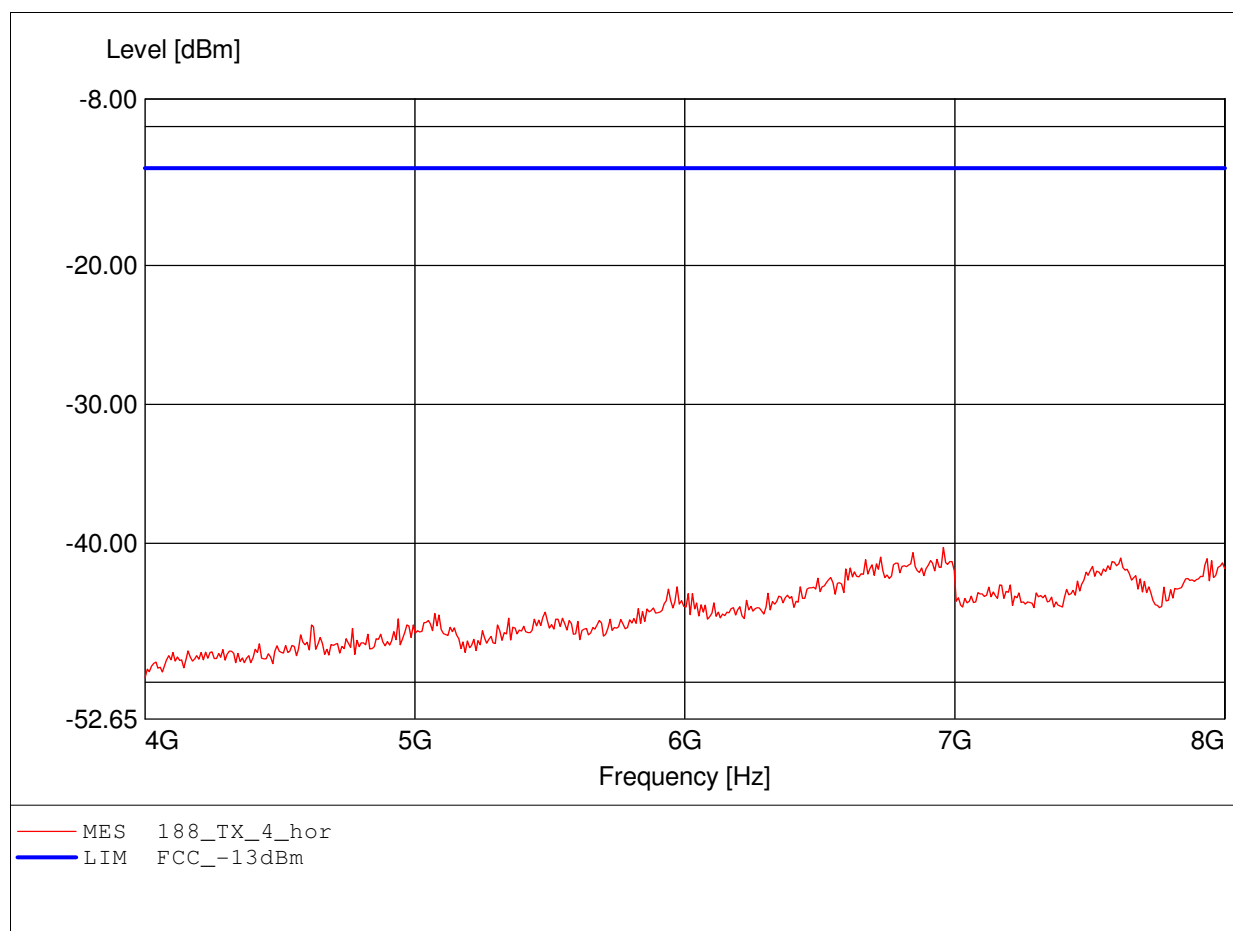
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 188
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 3.459GHz, Pmax: -45.55dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

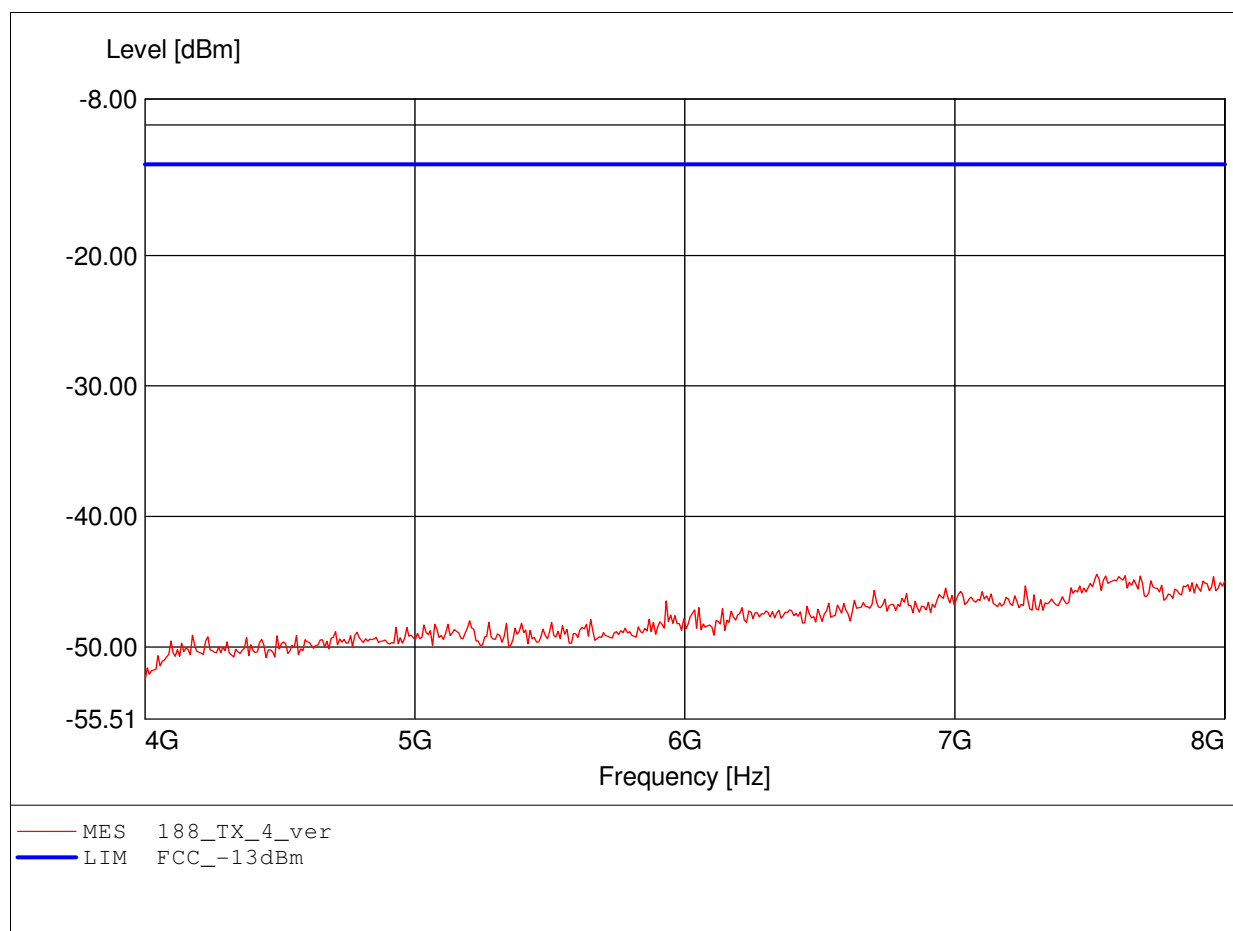
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 188
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 6.958GHz, Pmax: -40.30dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

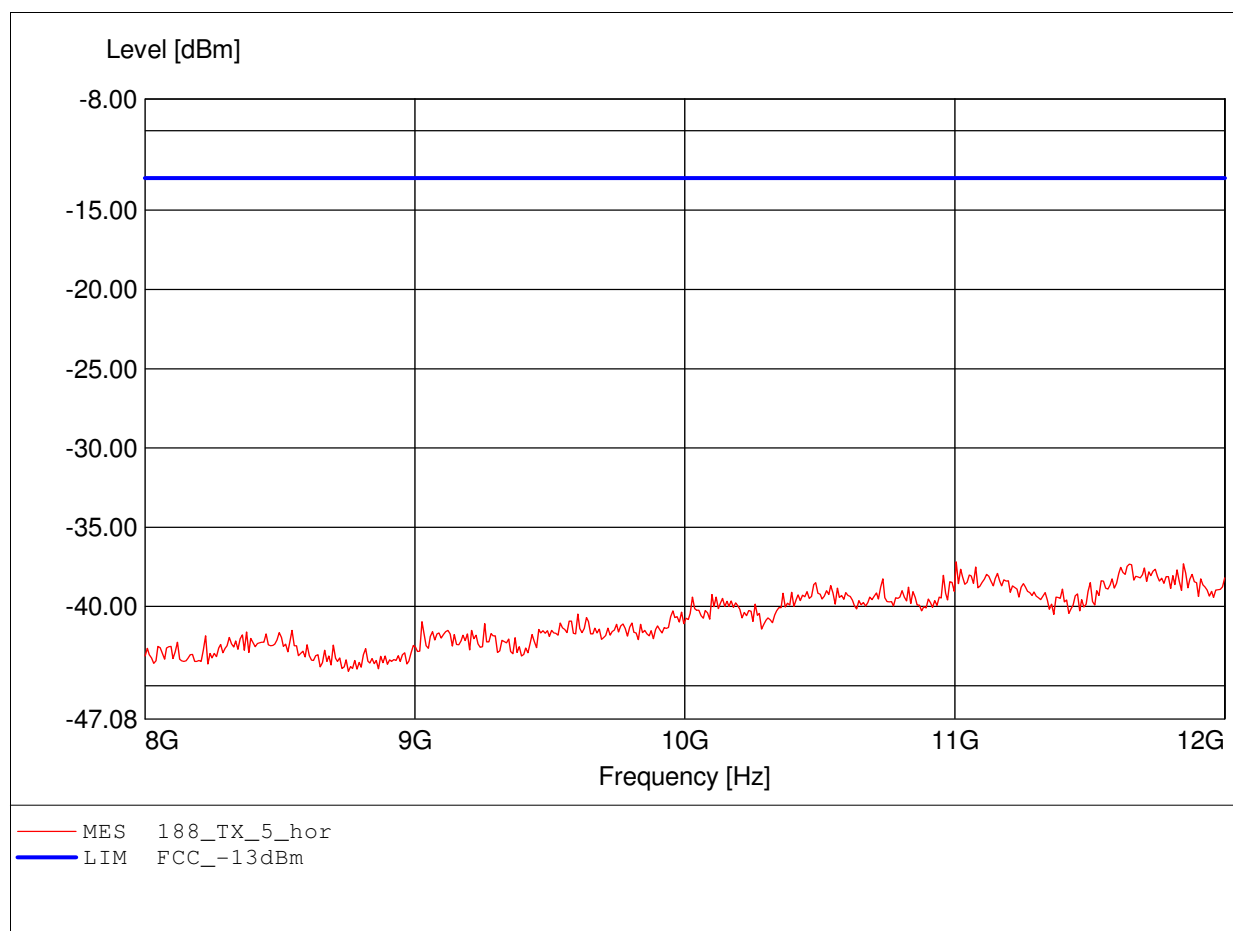
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 188
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 7.527GHz, Pmax: -44.45dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

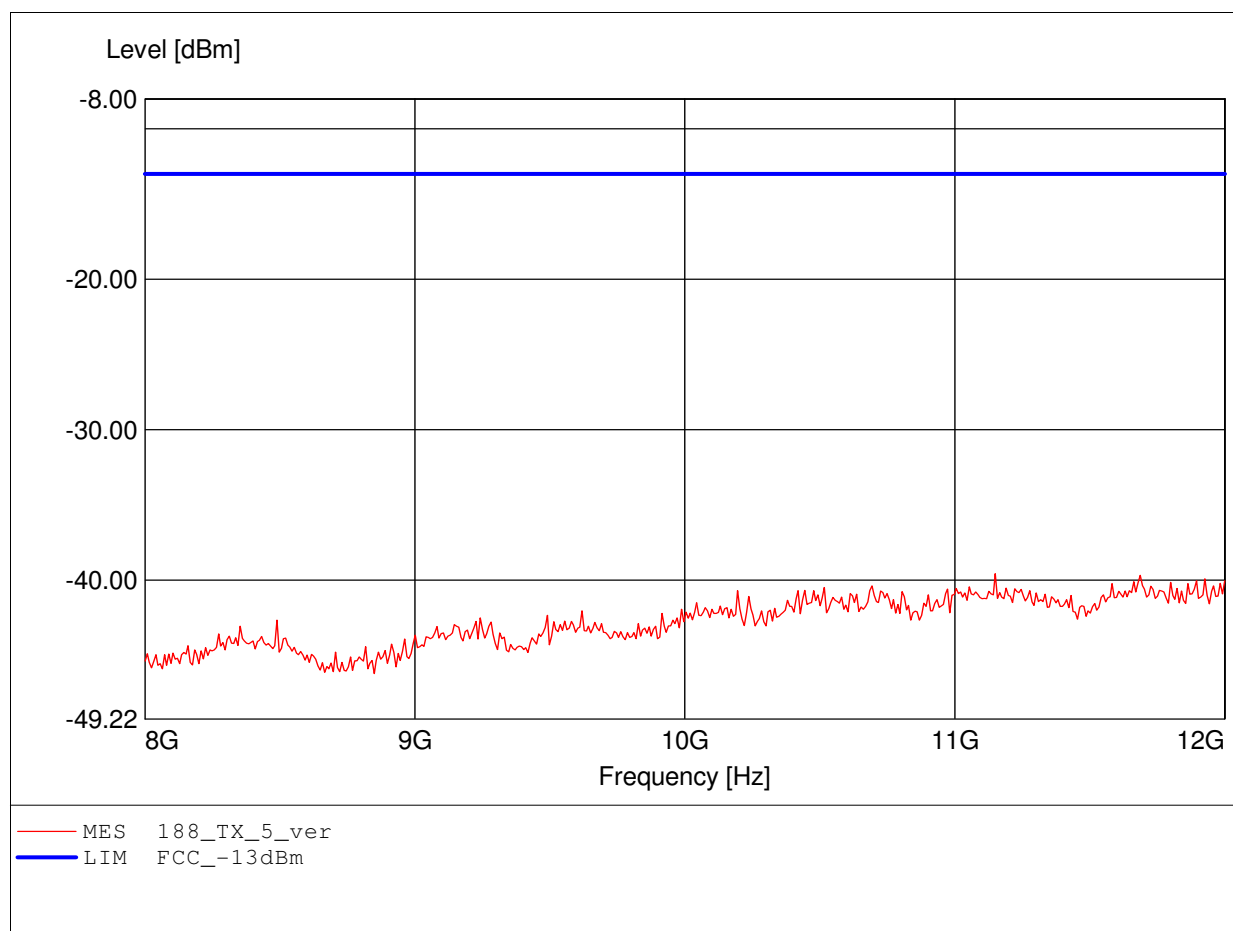
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 188
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 11.006GHz, Pmax: -37.19dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

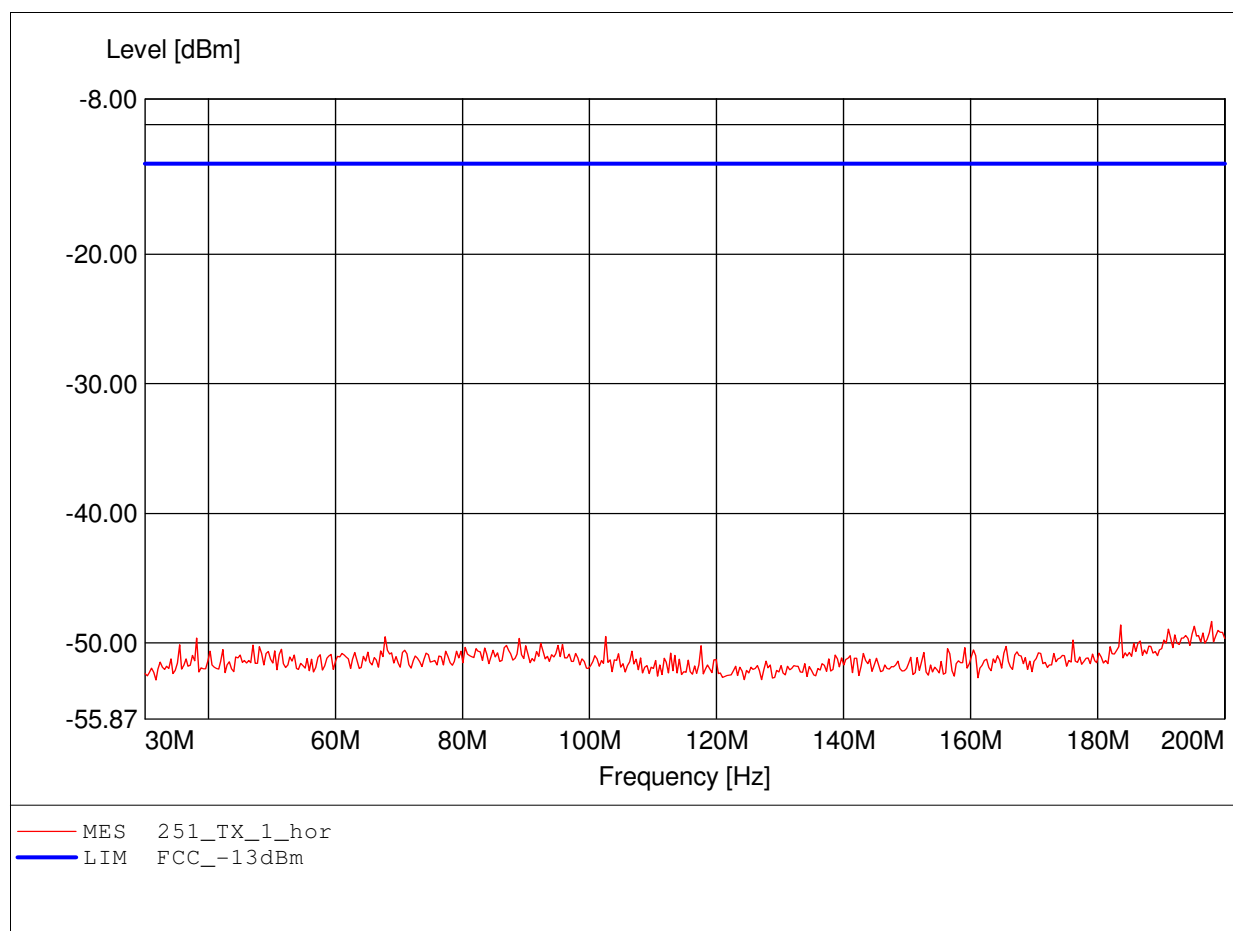
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 188
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 11.150GHz, Pmax: -39.57dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

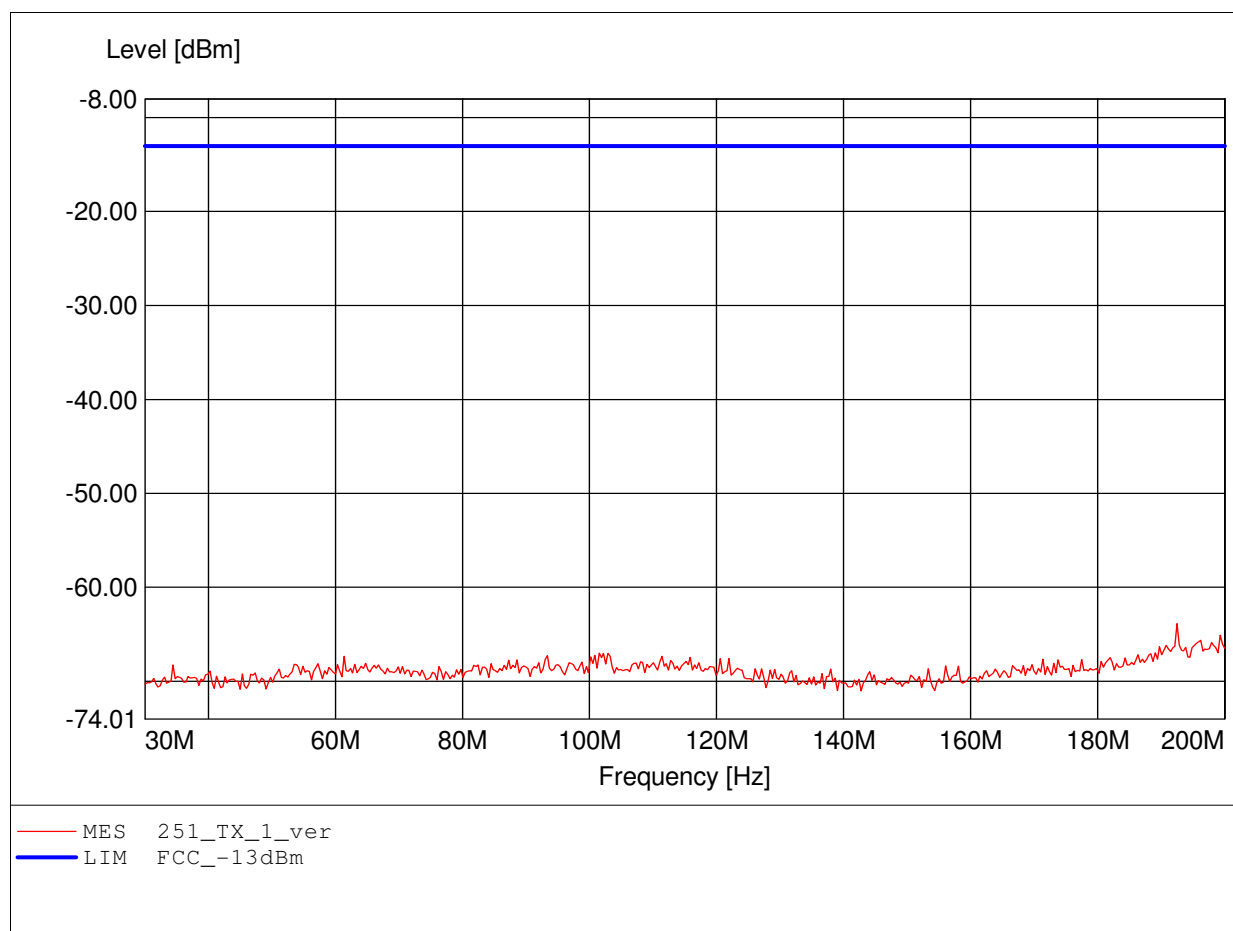
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 251
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 197.956MHz, Pmax: -48.33dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

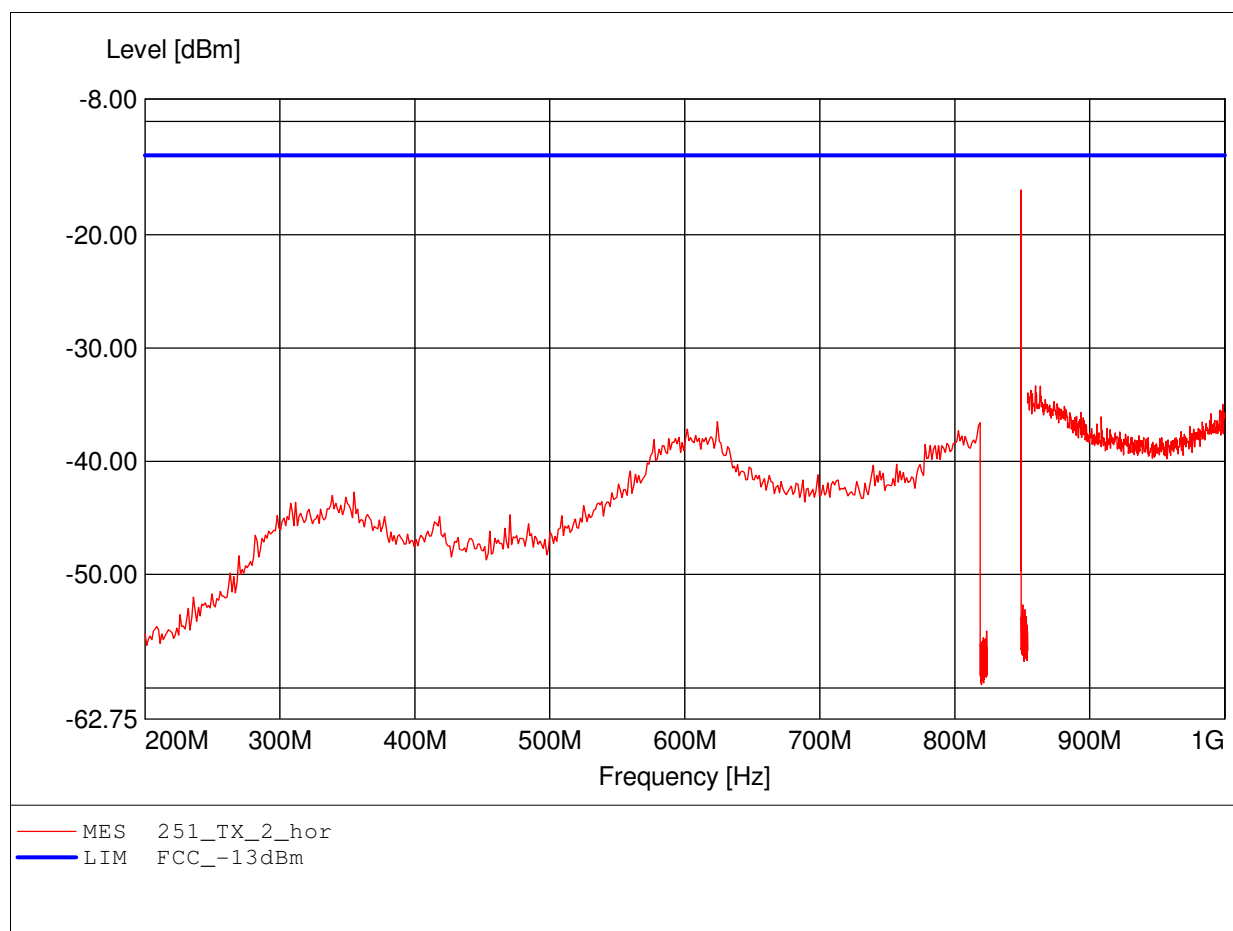
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 251
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 192.505MHz, Pmax: -63.88dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

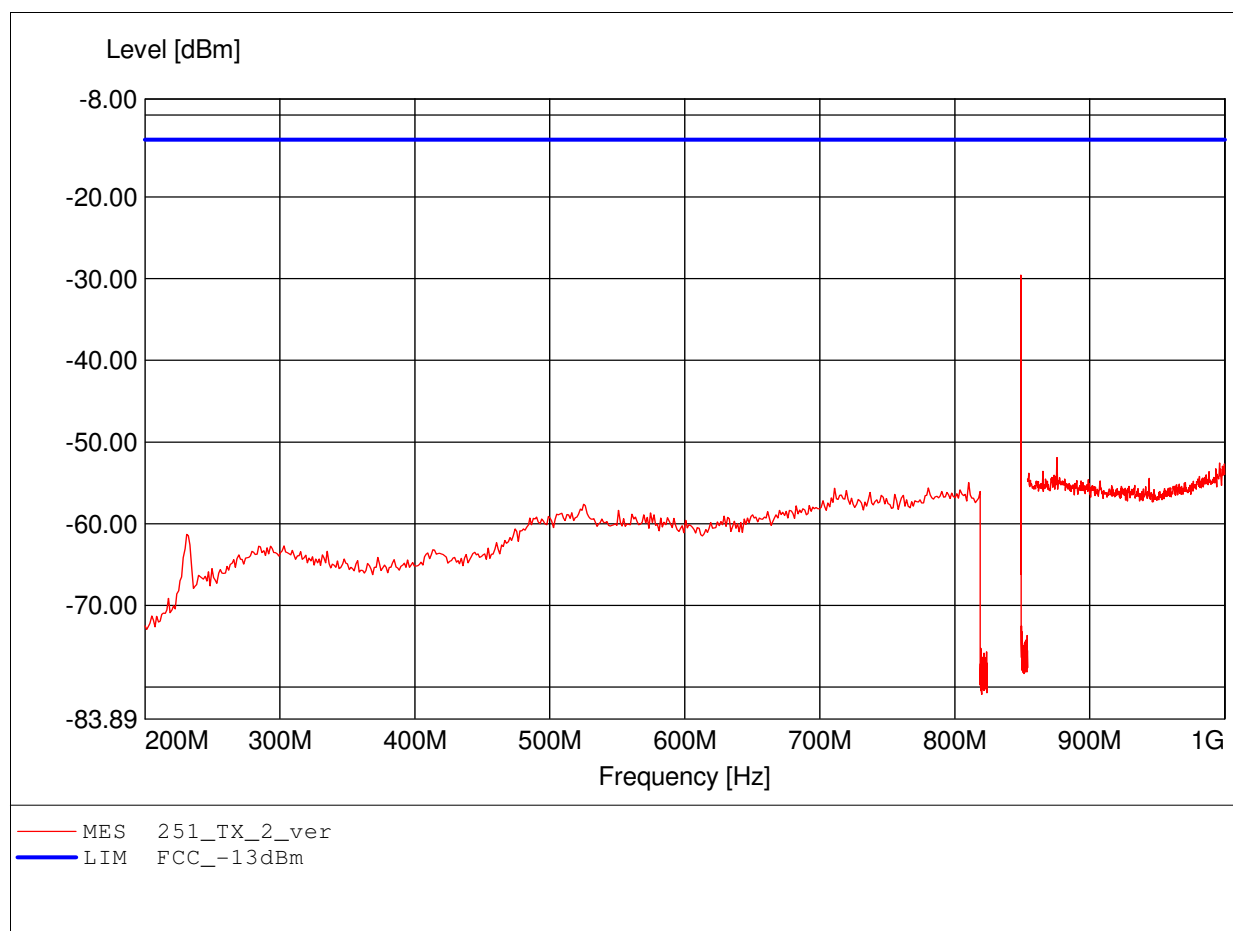
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 251
Comment 1: Dist.: 3m, Ant.: HL 223+notch
Comment 2: Freq: 849.010MHz, Pmax: -16.04dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

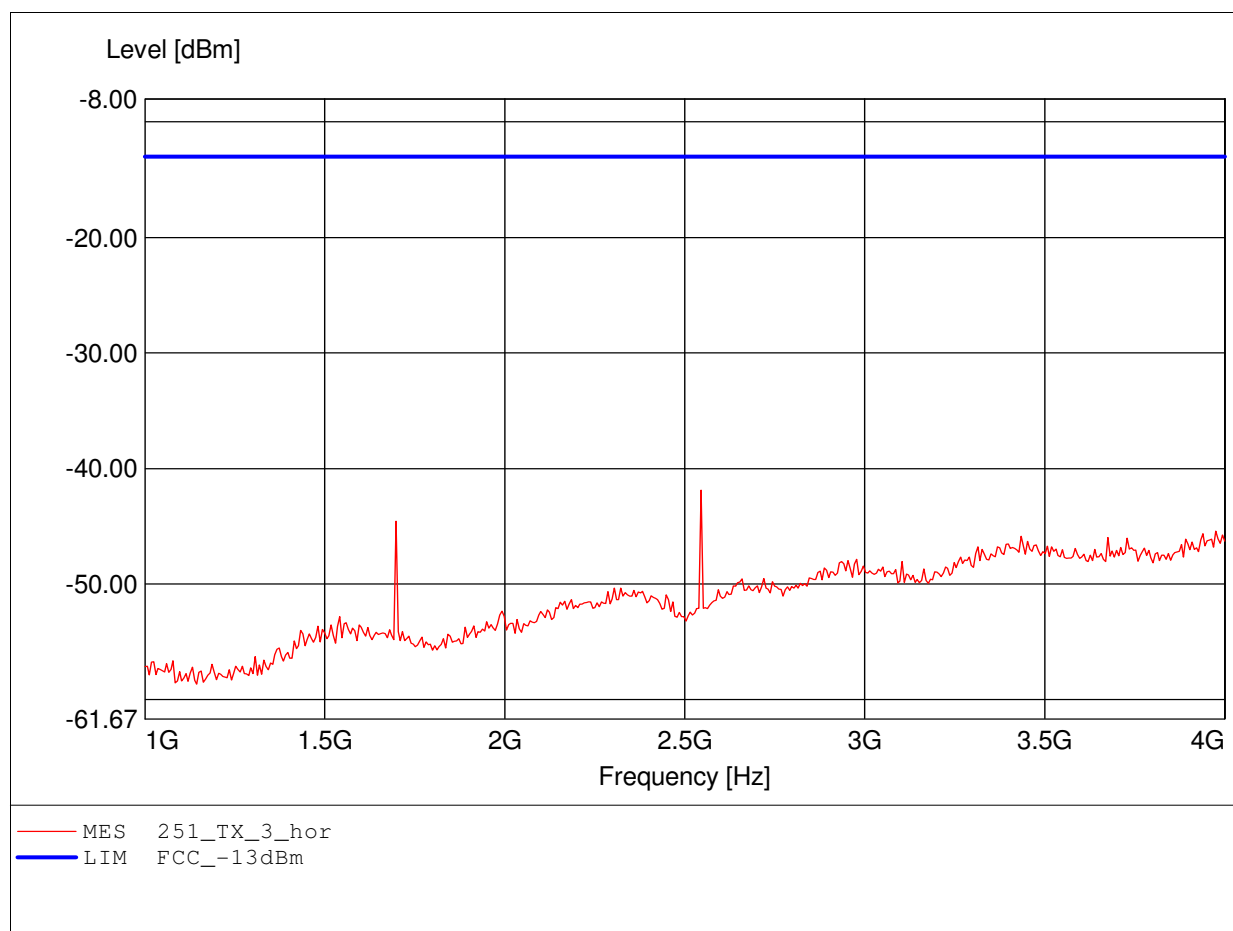
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 251
Comment 1: Dist.: 3m, Ant.: HL 223+notch
Comment 2: Freq: 849.020MHz, Pmax: -29.57dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

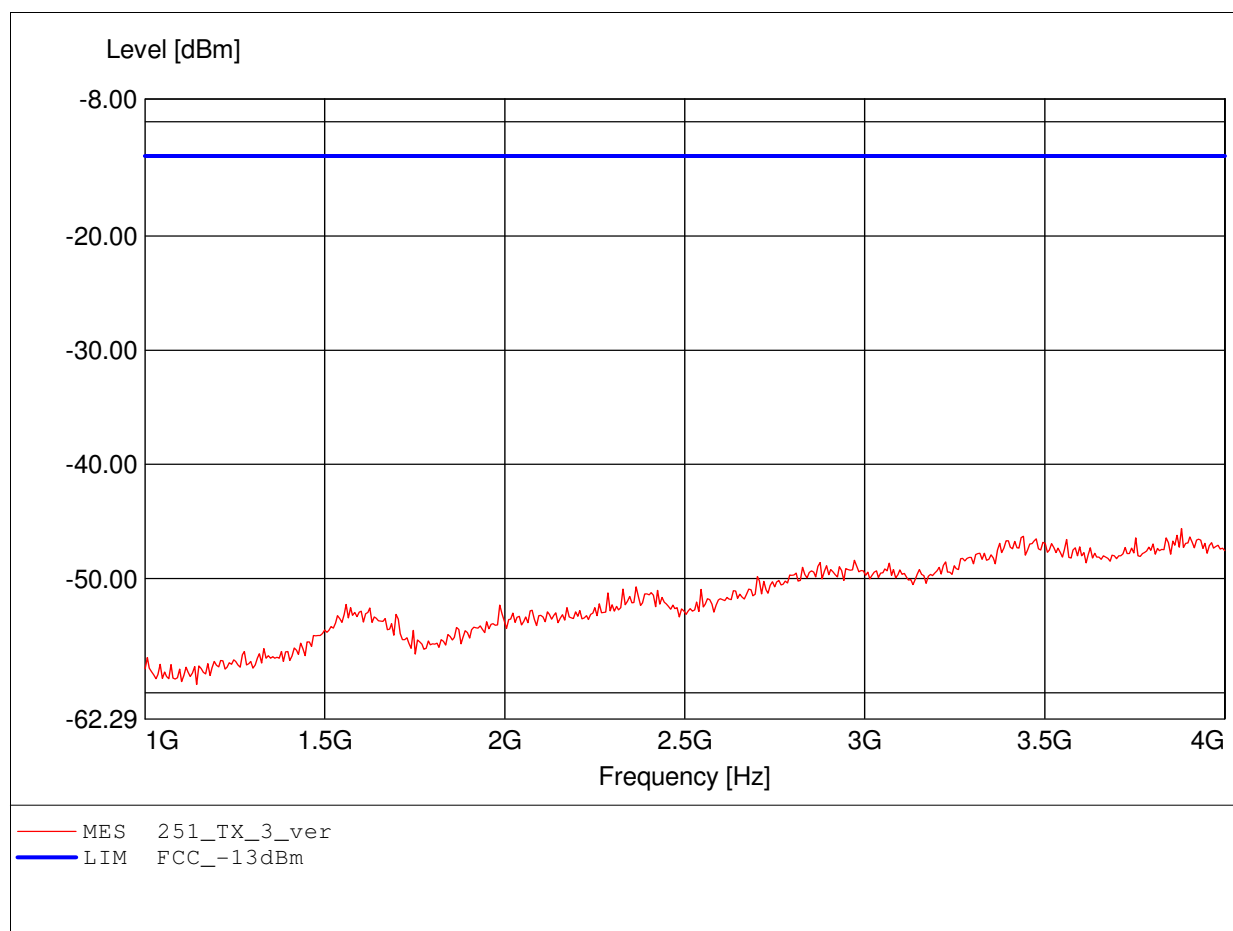
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 251
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 2.545GHz, Pmax: -41.86dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

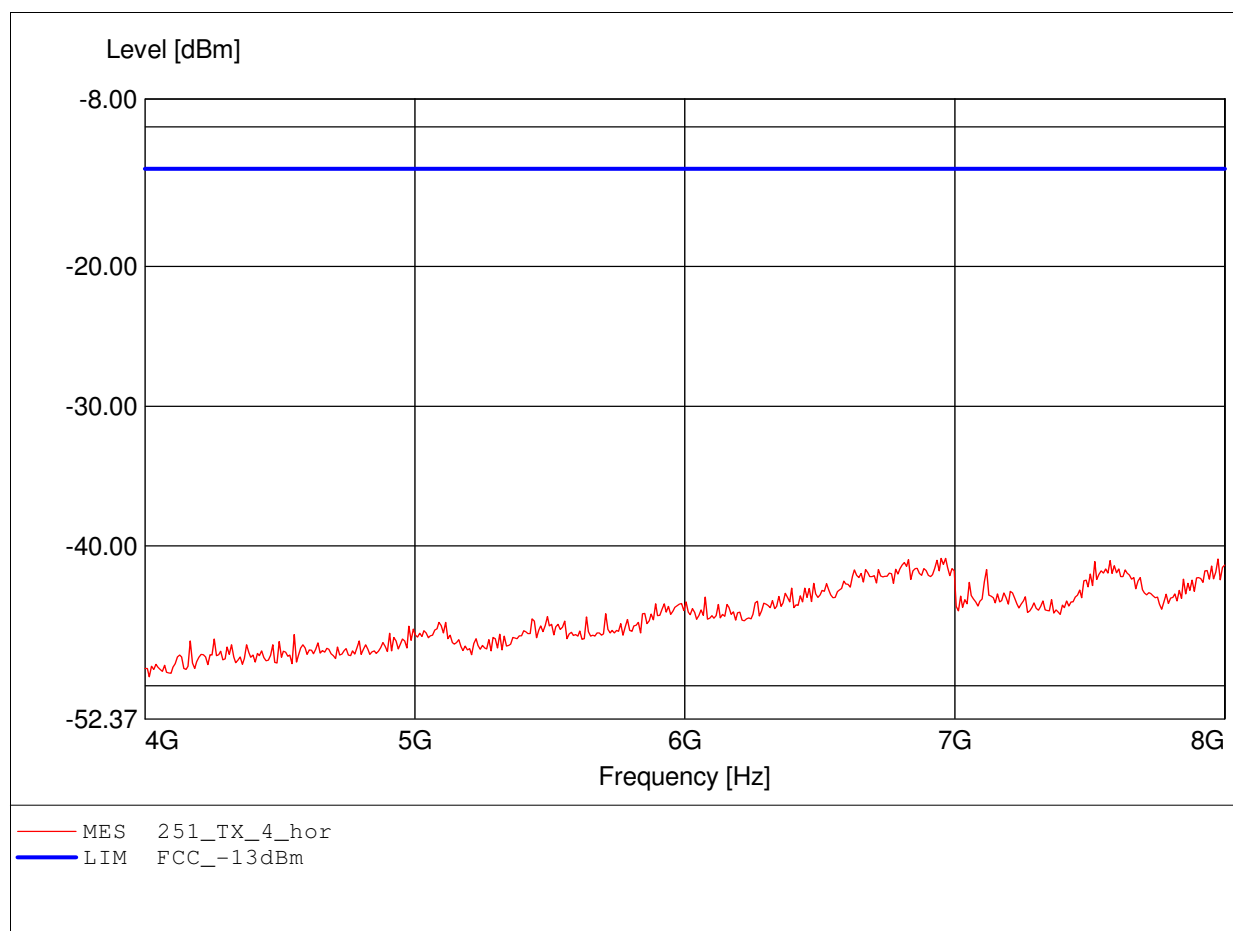
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 251
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 3.880GHz, Pmax: -45.64dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

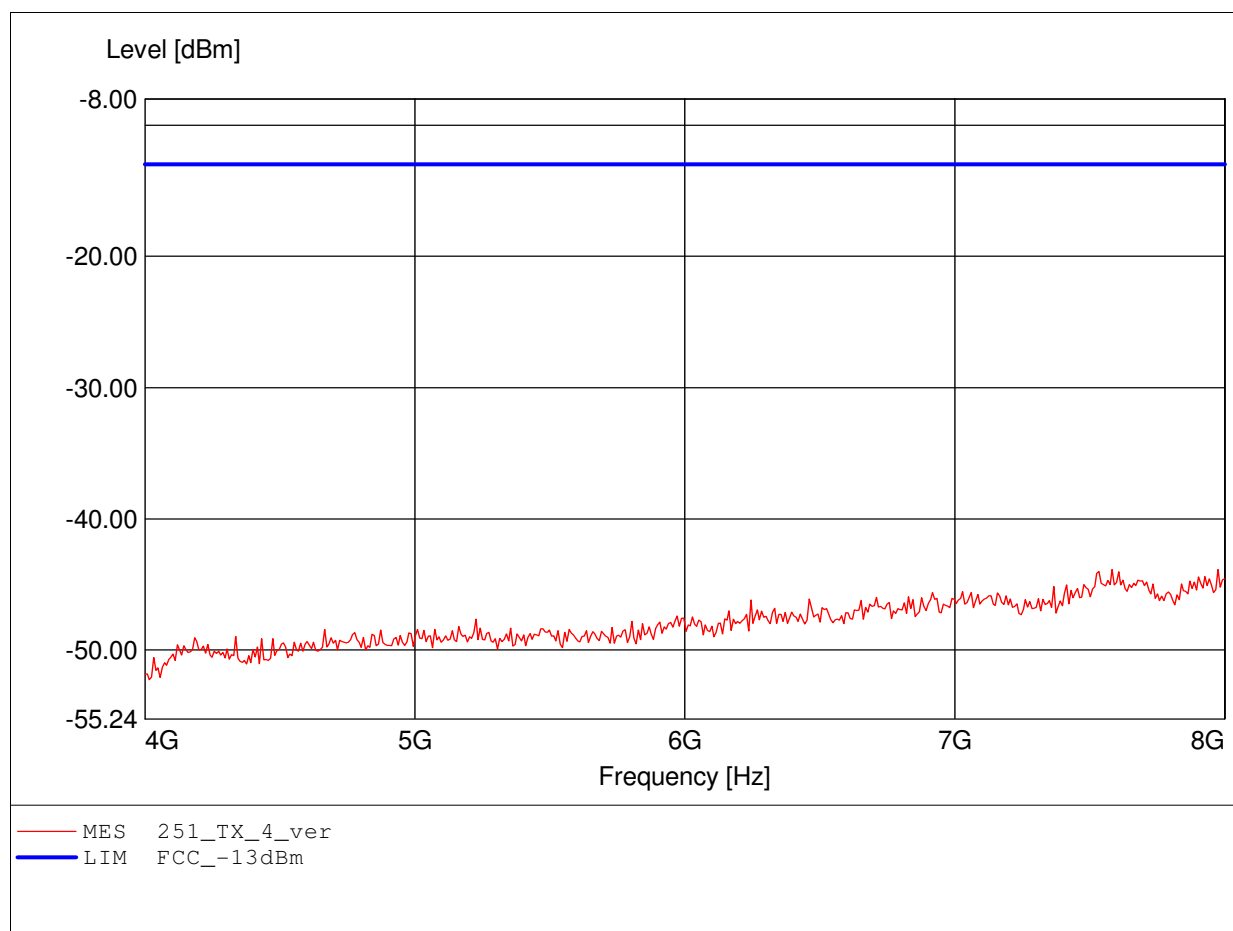
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 251
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 6.950GHz, Pmax: -40.88dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

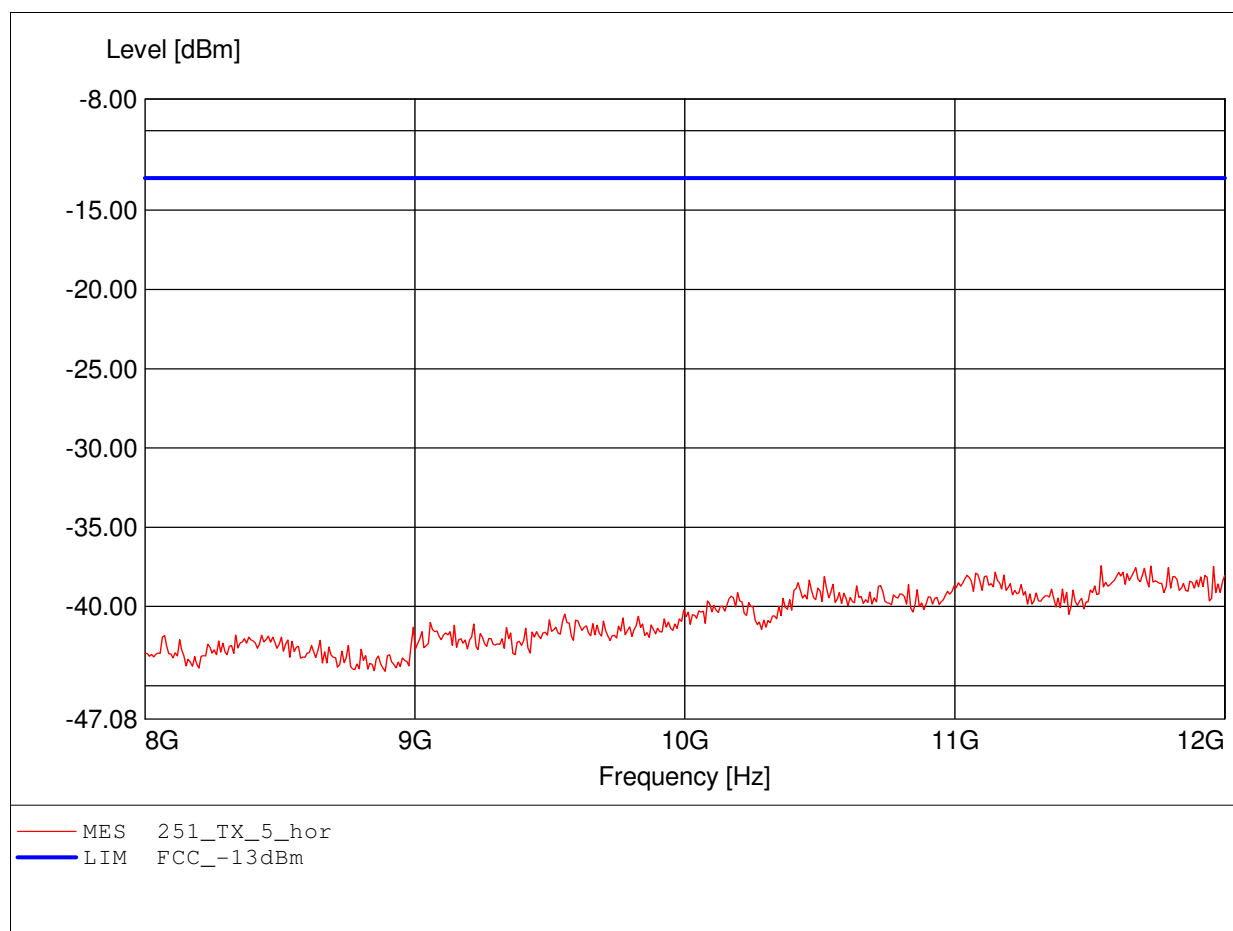
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 251
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 7.583GHz, Pmax: -43.85dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

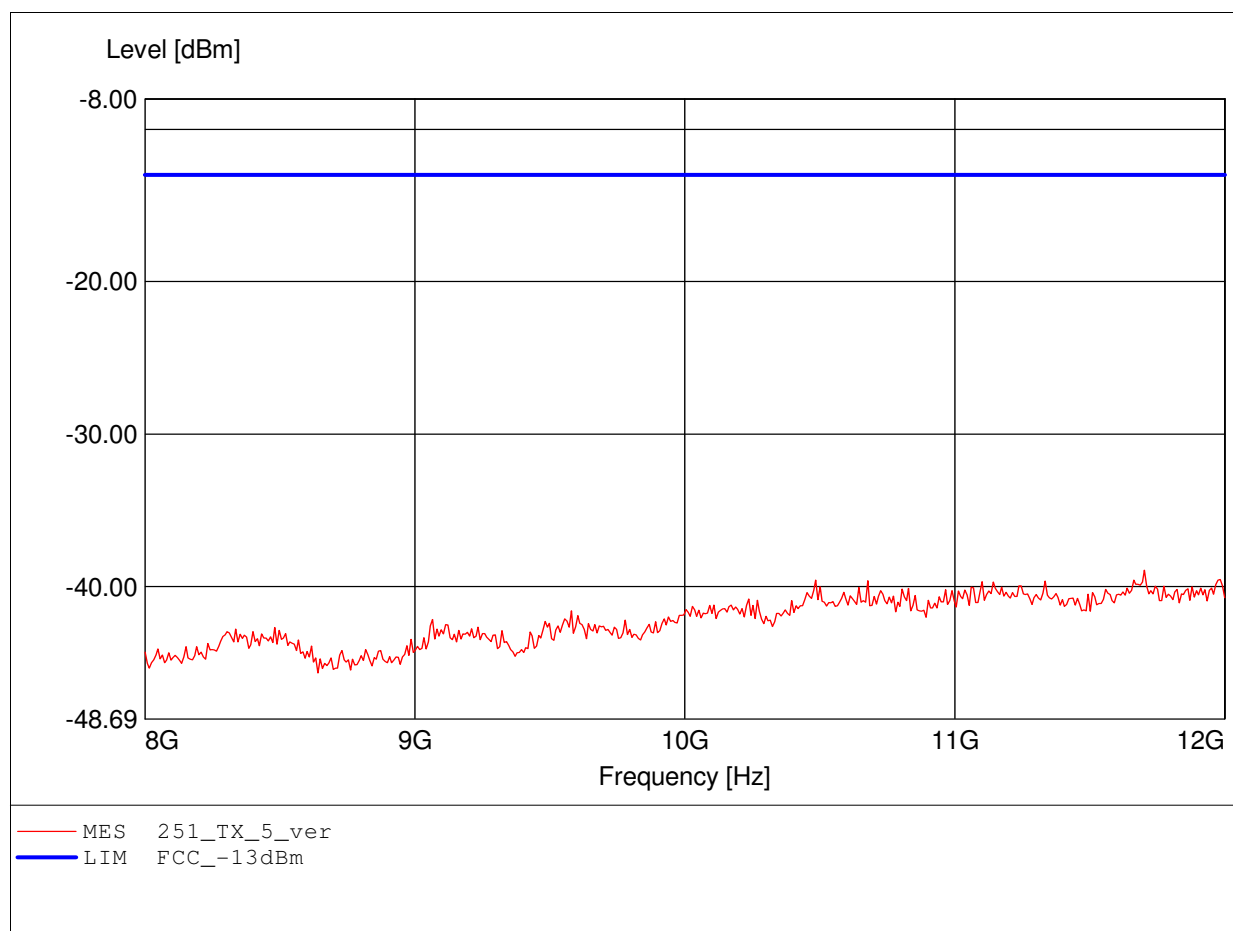
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 251
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 11.543GHz, Pmax: -37.43dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 22 SUBPART H

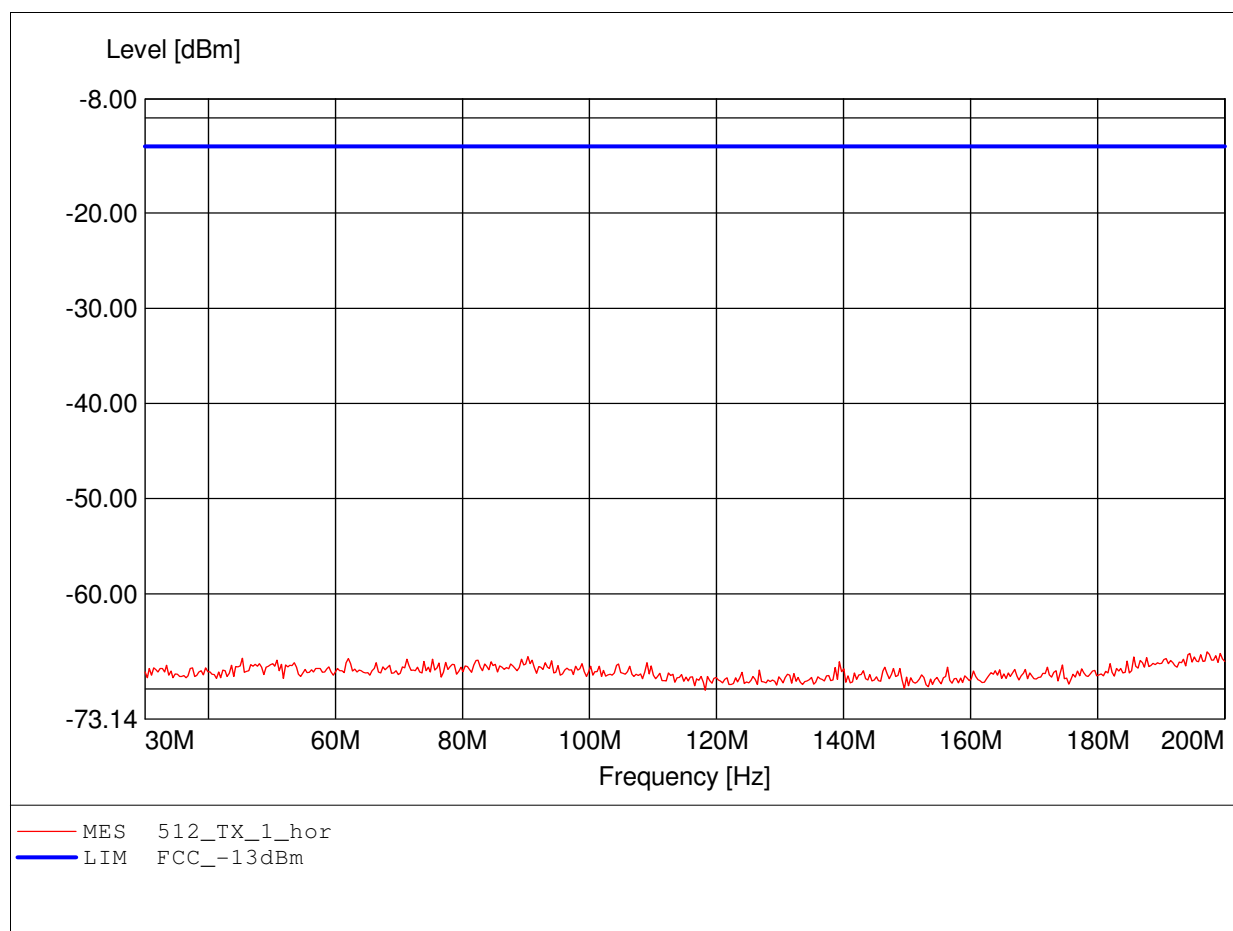
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 850 / voice / PCL: 5 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 251
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 11.703GHz, Pmax: -38.92dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

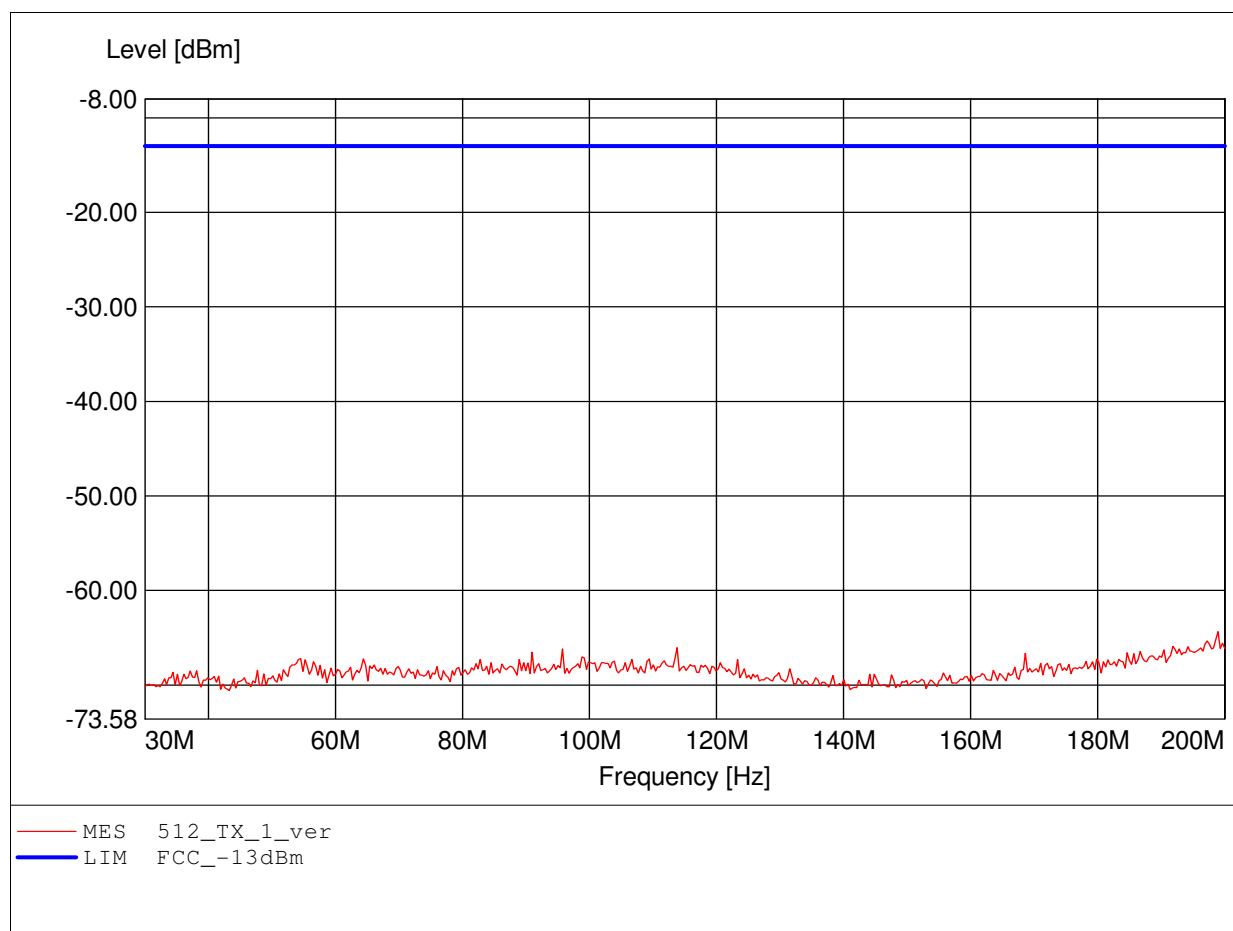
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 512
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 197.275MHz, Pmax: -66.08dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

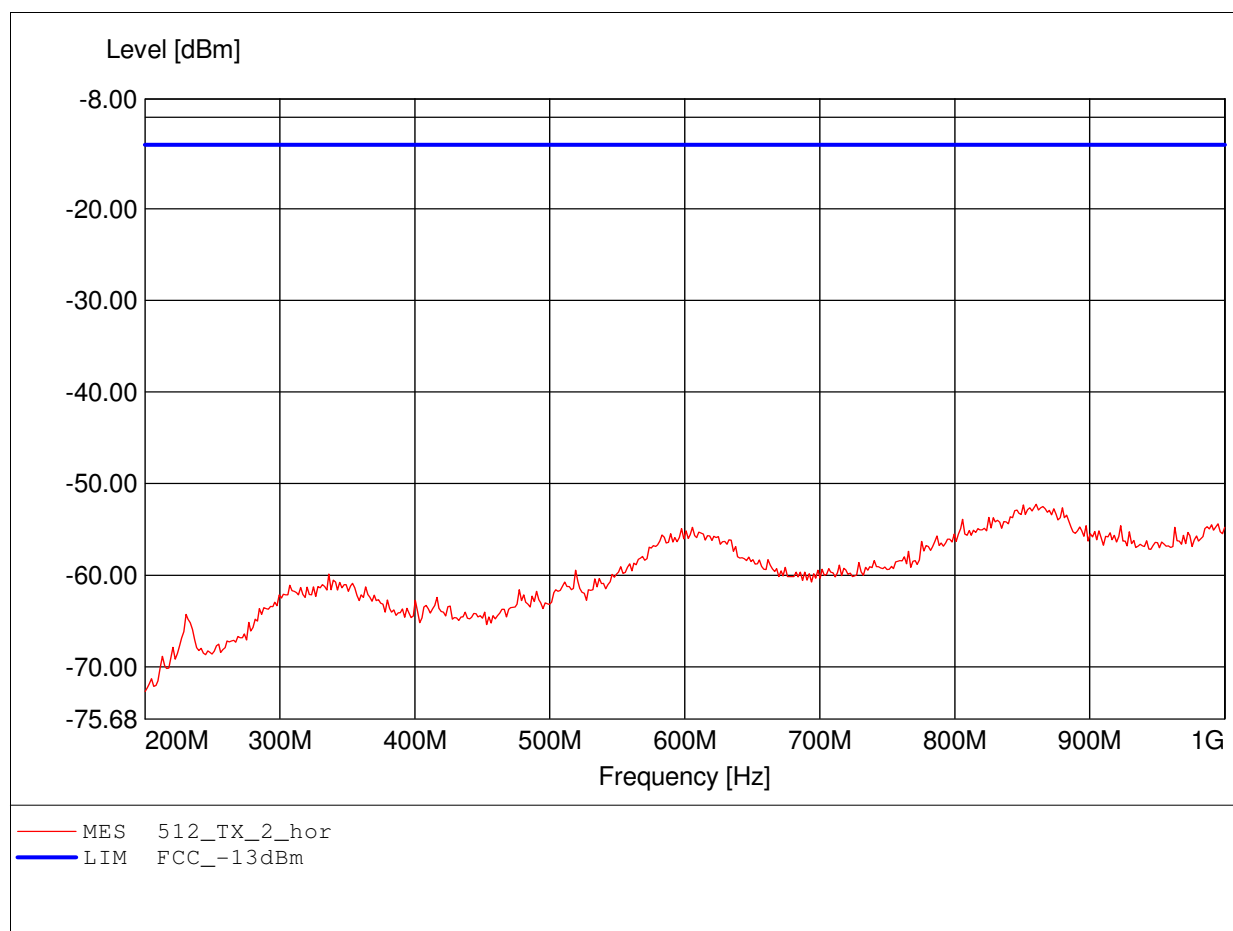
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 512
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 198.978MHz, Pmax: -64.35dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

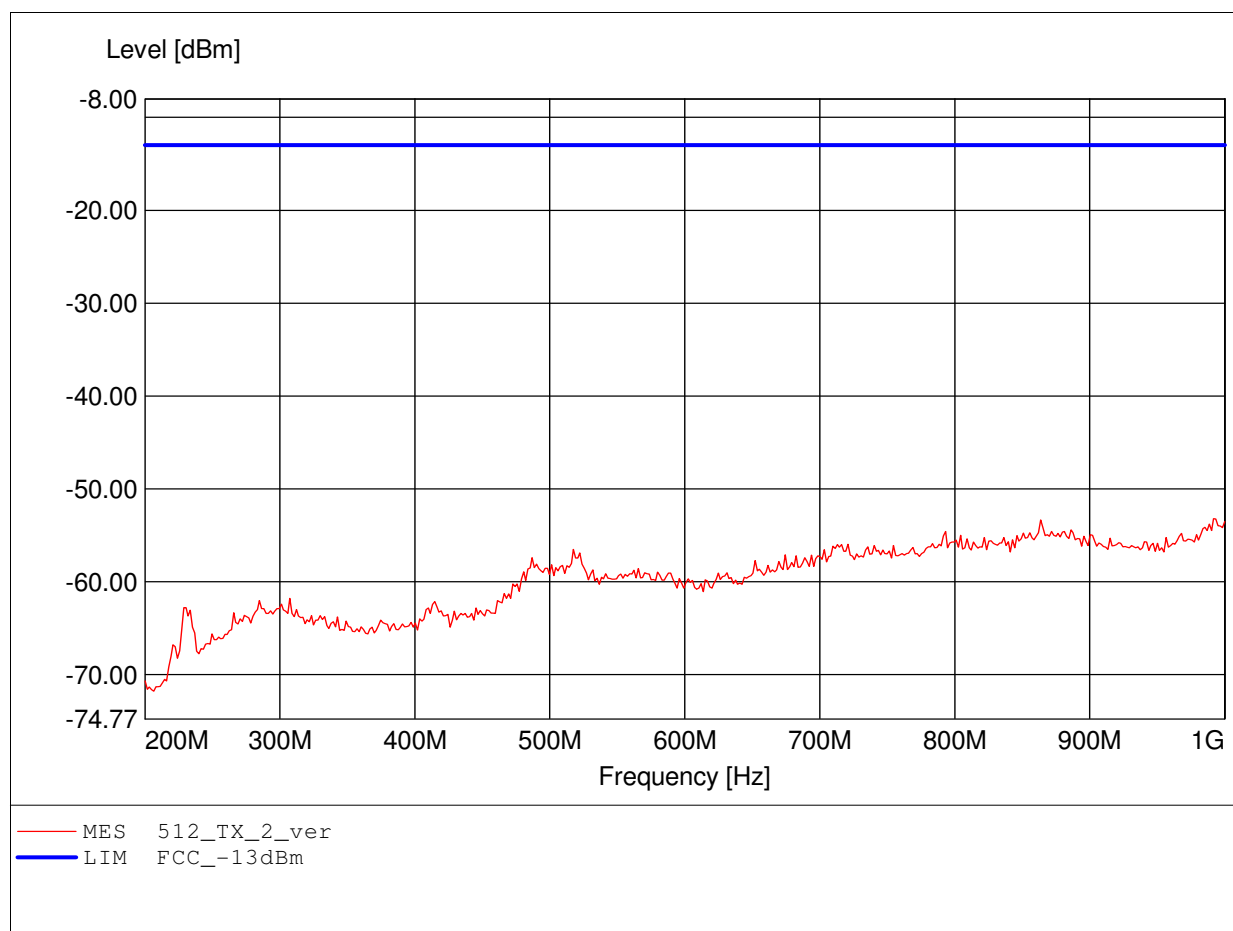
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 512
Comment 1: Dist.: 3m, Ant.: HL 223
Comment 2: Freq: 860.521MHz, Pmax: -52.24dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

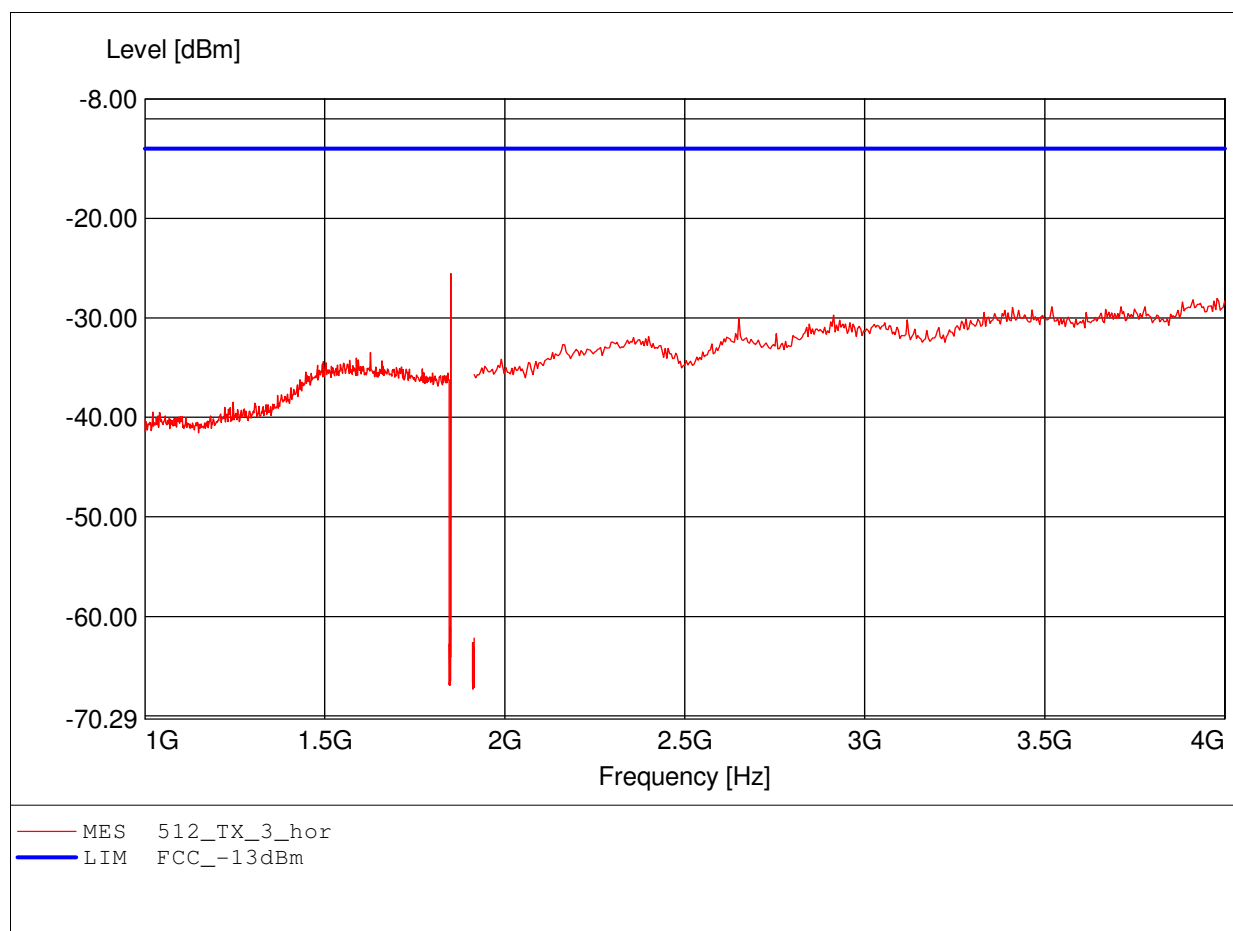
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 512
Comment 1: Dist.: 3m, Ant.: HL 223
Comment 2: Freq: 991.984MHz, Pmax: -53.21dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

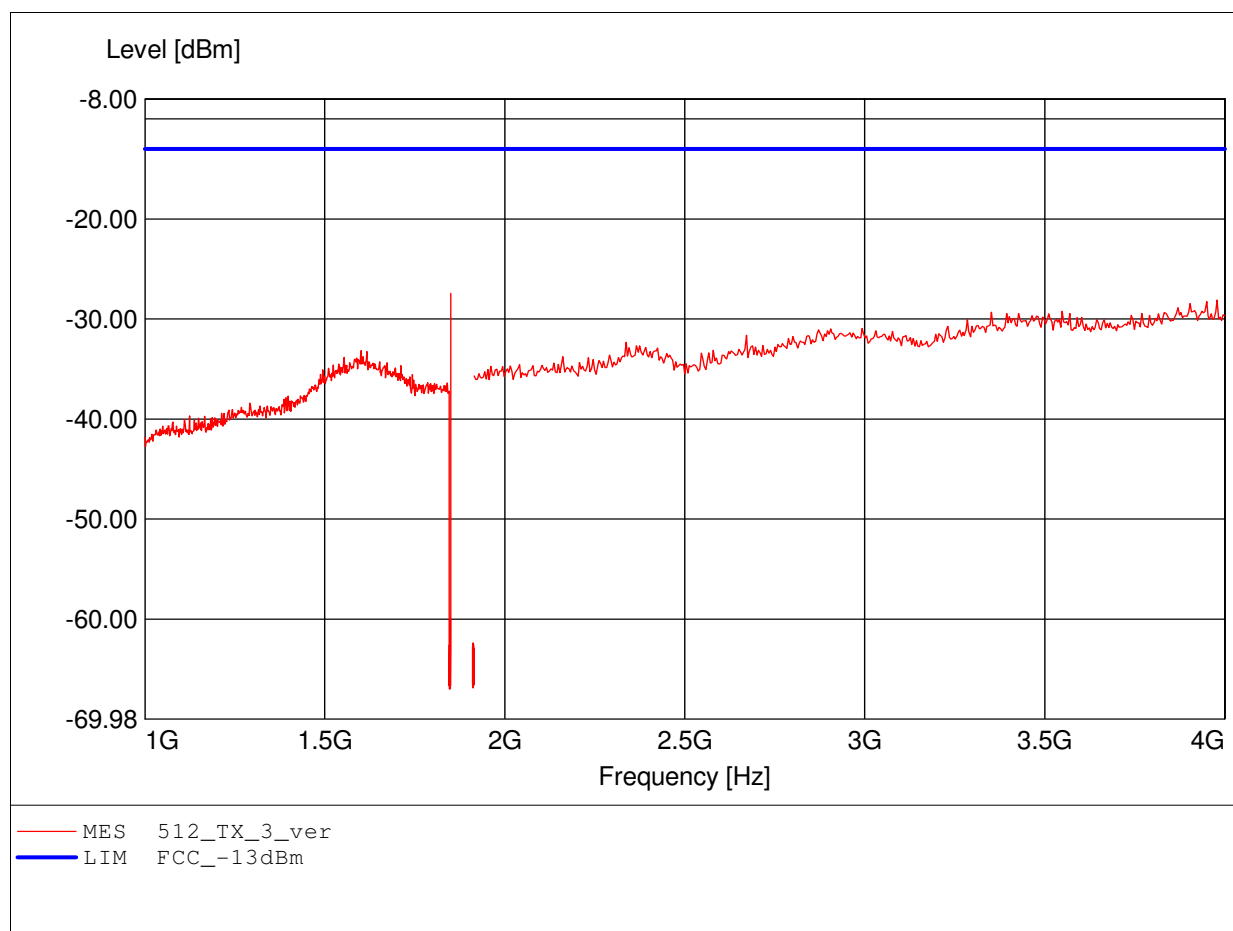
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 512
Comment 1: Dist.: 3m, Ant.: HL025
Comment 2: Freq: 1.850GHz, Pmax: -25.53dBm, RBW: 1MHz/3kHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

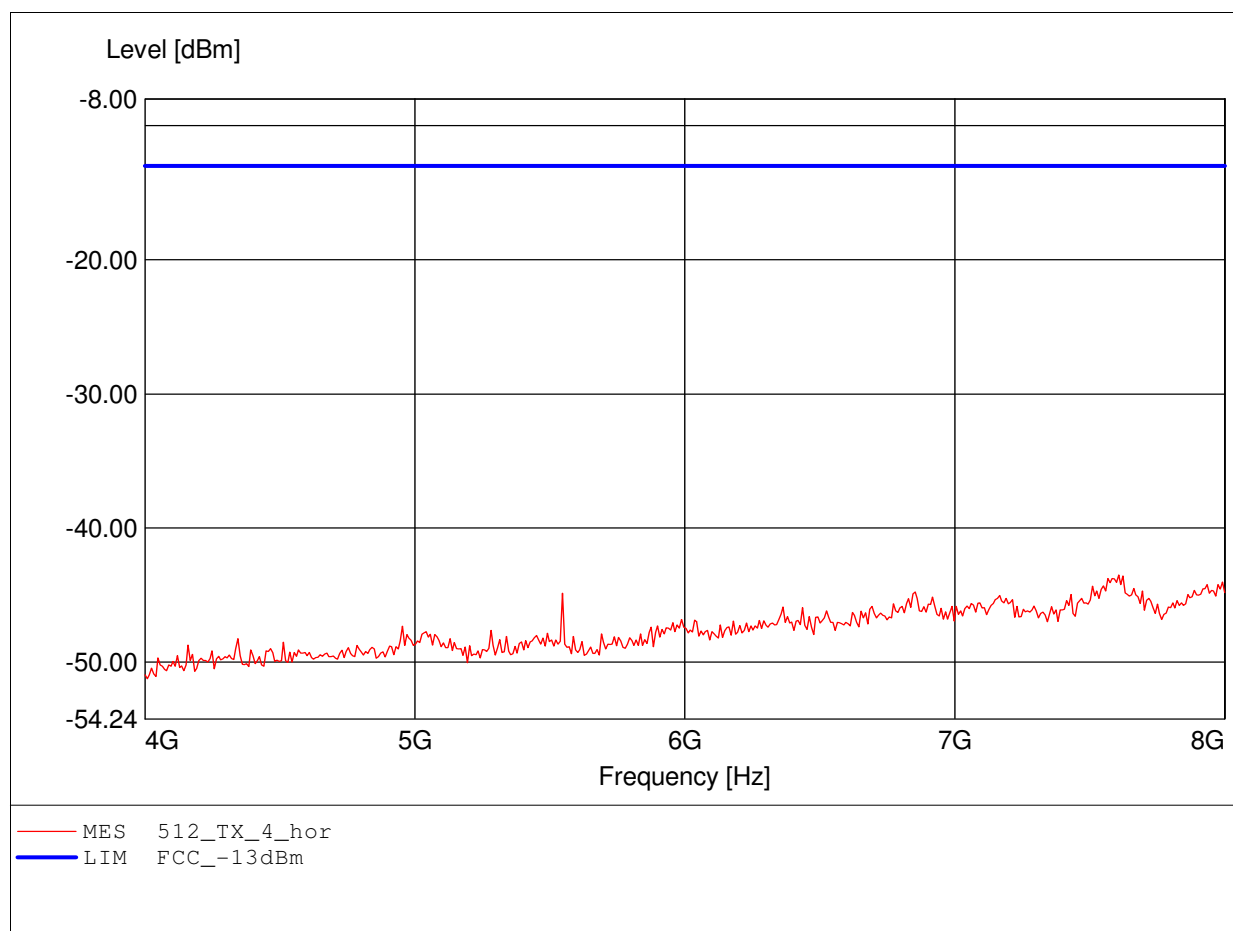
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 512
Comment 1: Dist.: 3m, Ant.: HL025
Comment 2: Freq: 1.850GHz, Pmax: -27.45dBm, RBW: 1MHz/3kHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

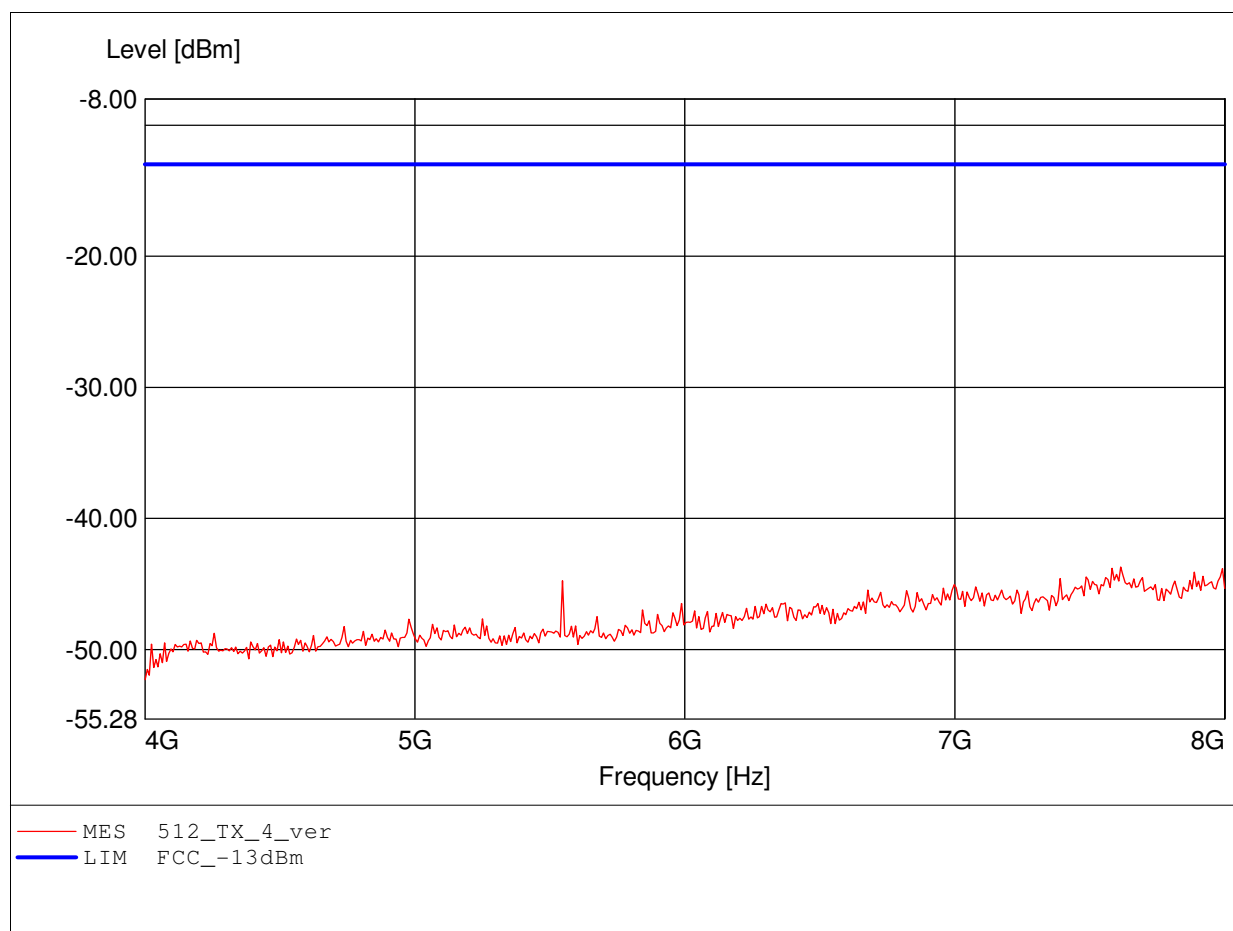
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 512
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 7.607GHz, Pmax: -43.51dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

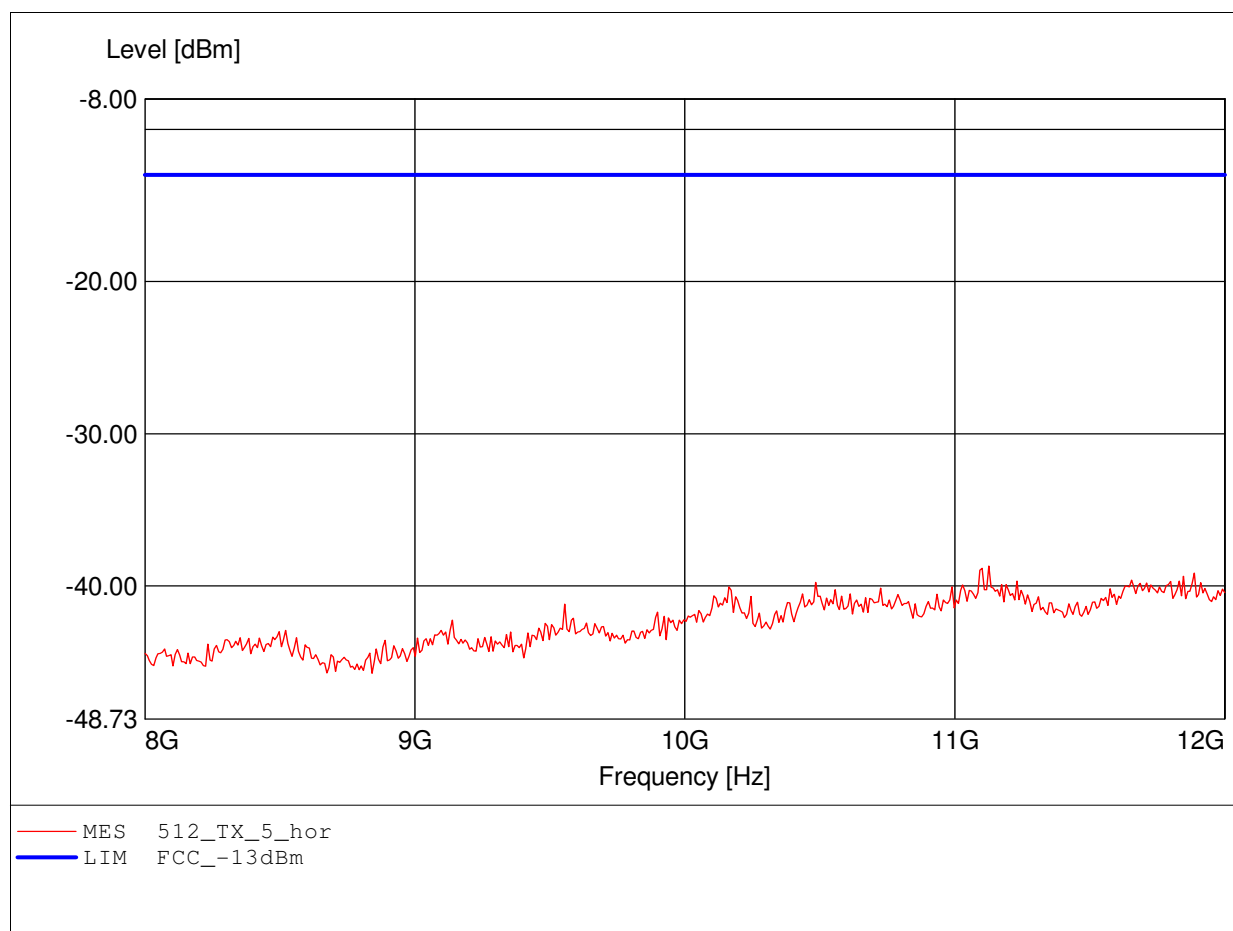
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 512
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 7.615GHz, Pmax: -43.69dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

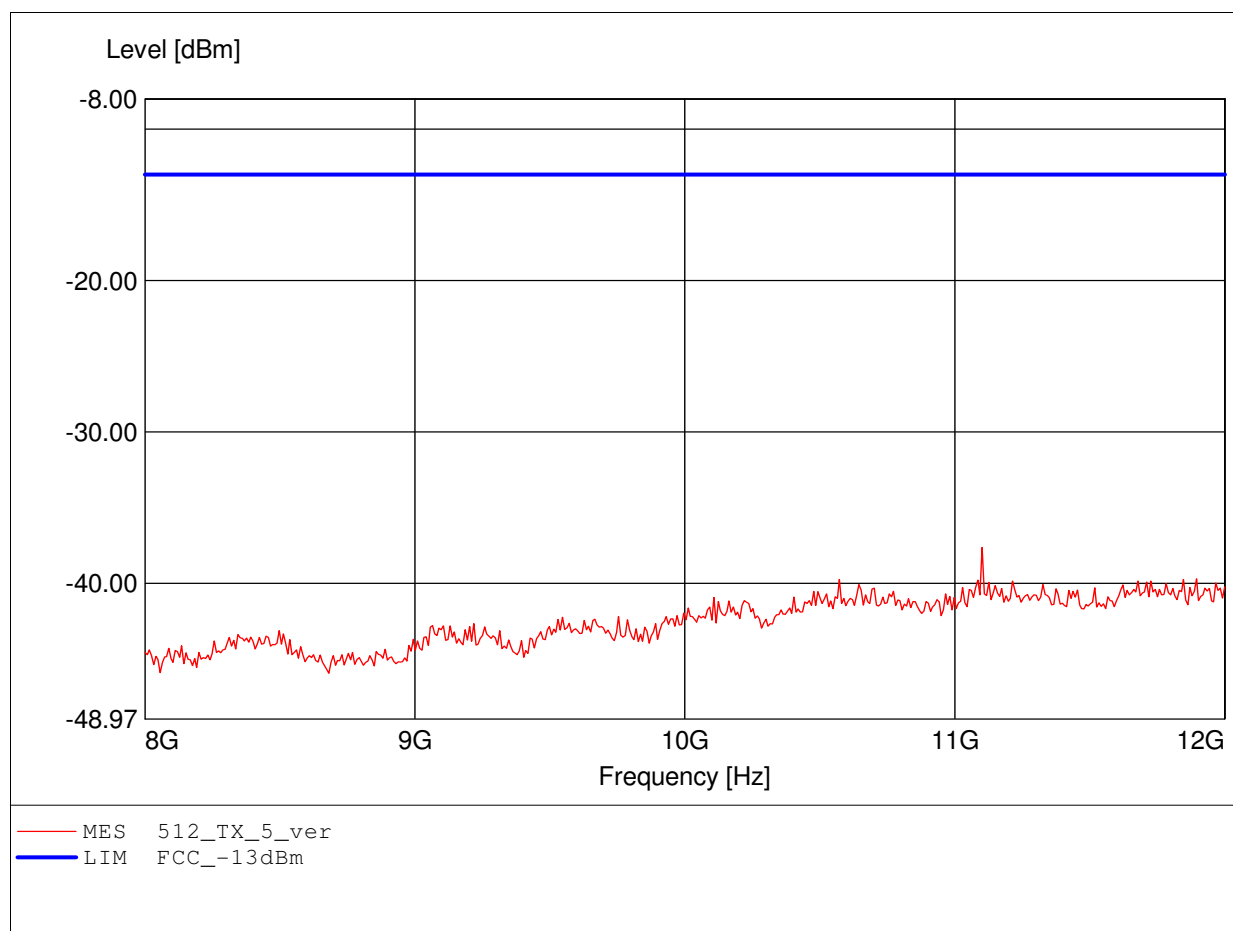
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 512
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 11.126GHz, Pmax: -38.69dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

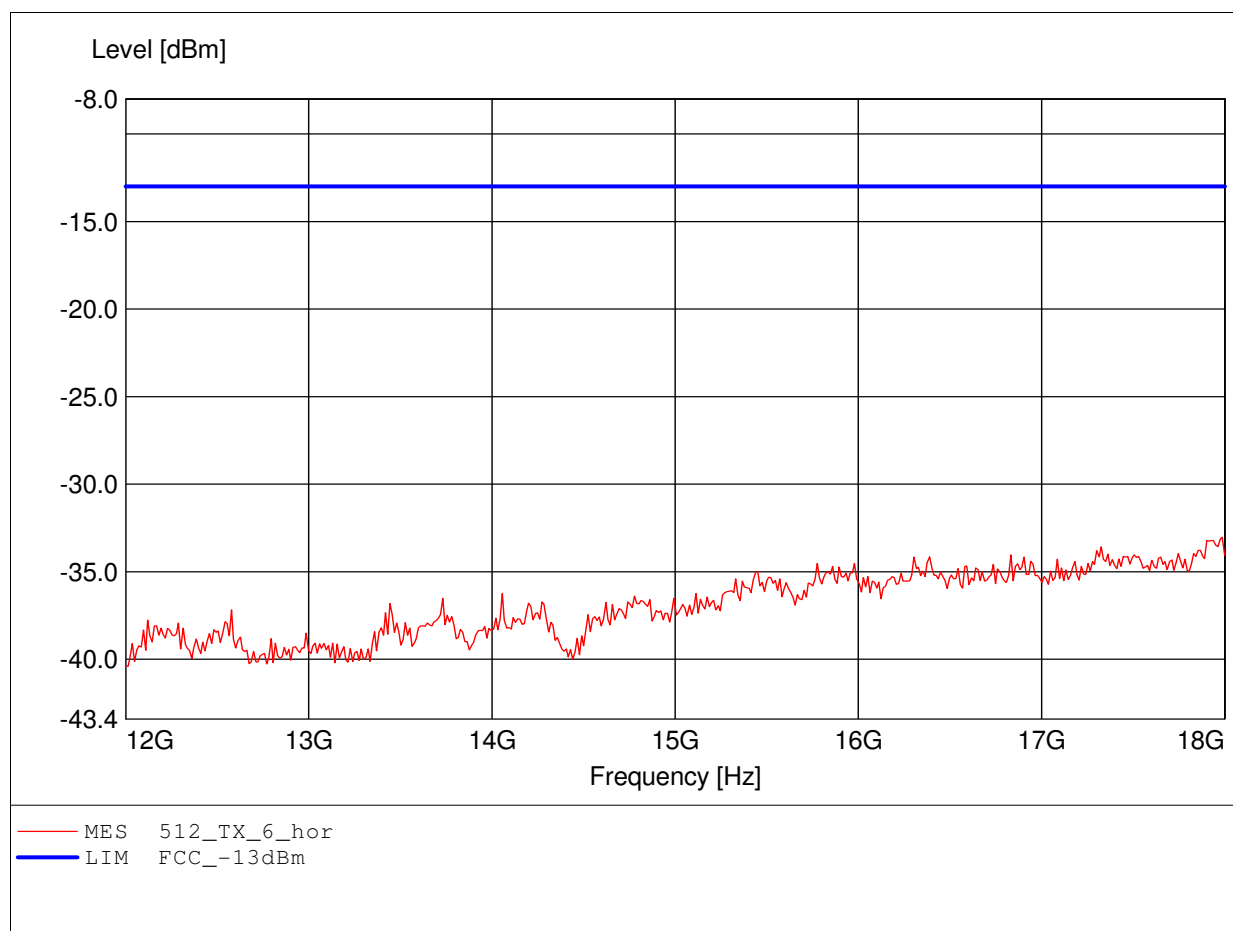
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 512
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 11.102GHz, Pmax: -37.64dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

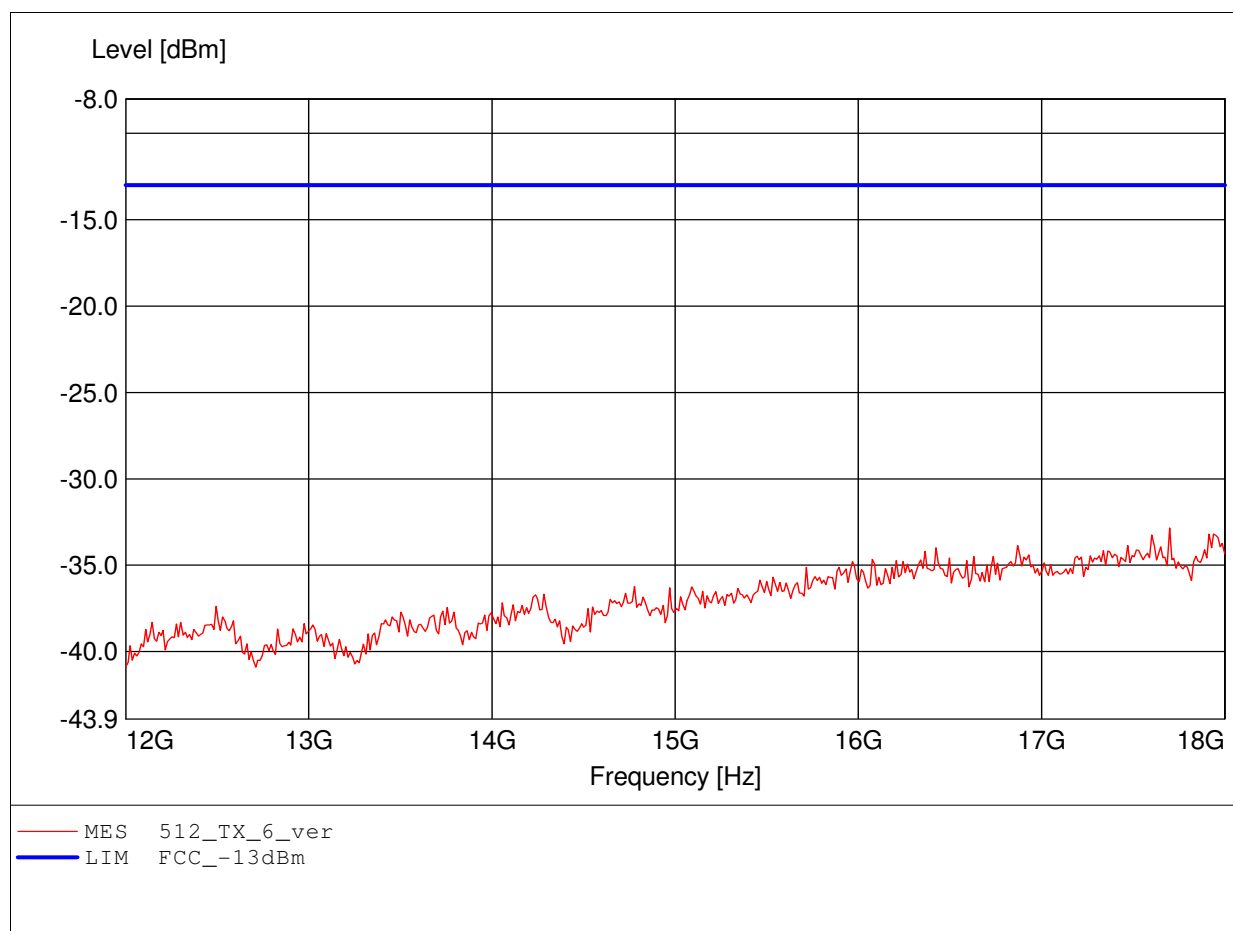
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 512
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 17.988GHz, Pmax: -33.02dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

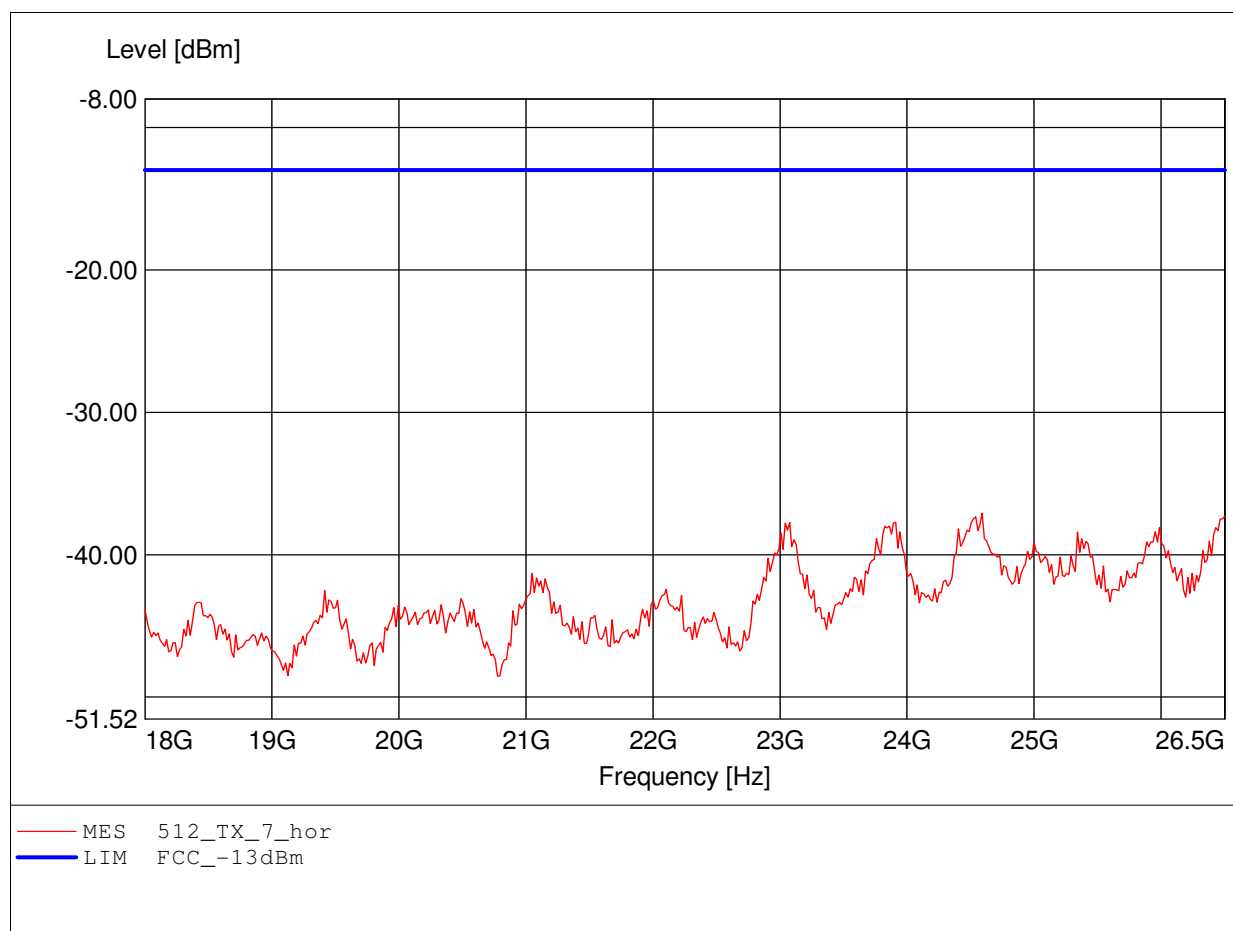
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 512
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 17.699GHz, Pmax: -32.84dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

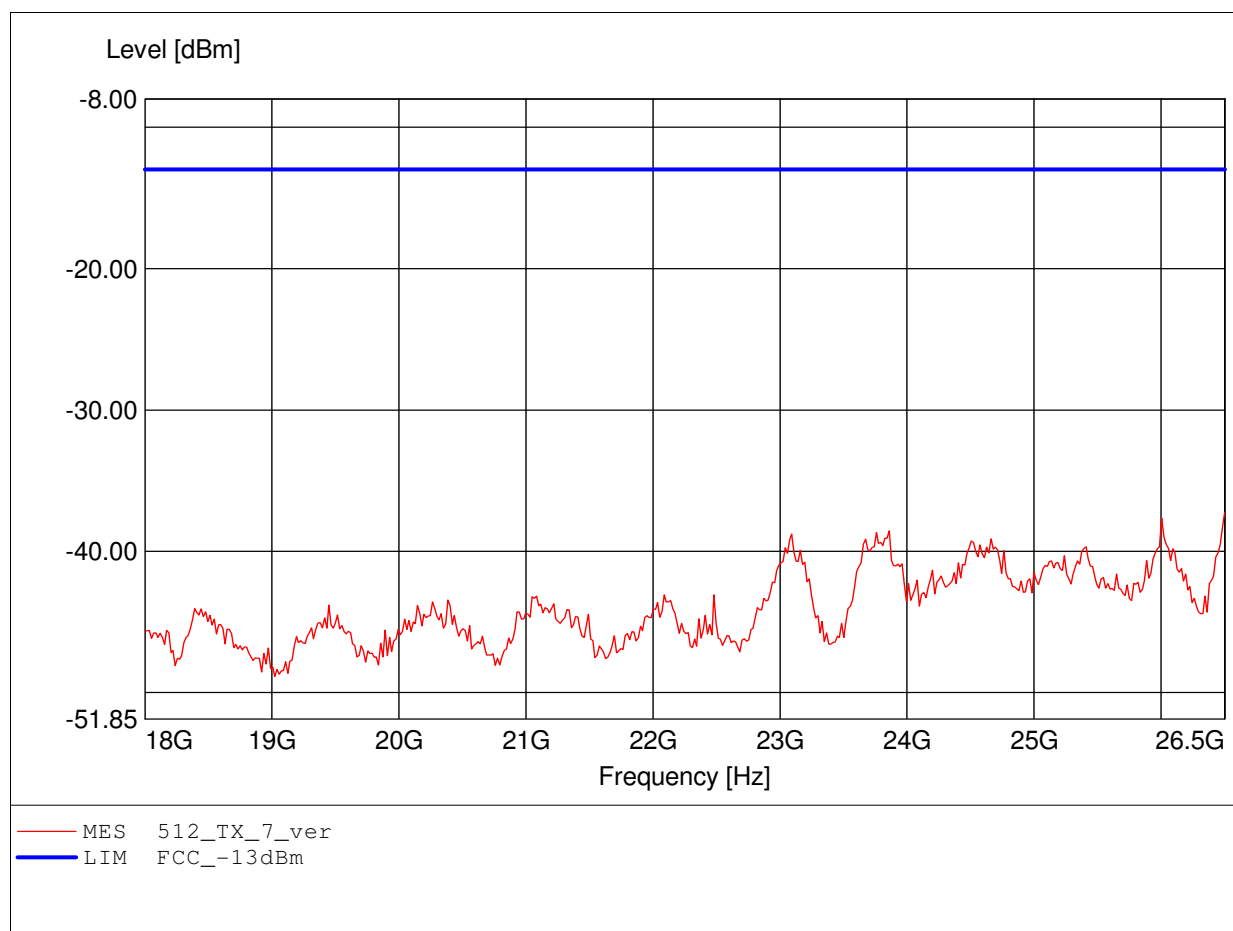
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 512
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 24.592GHz, Pmax: -37.07dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

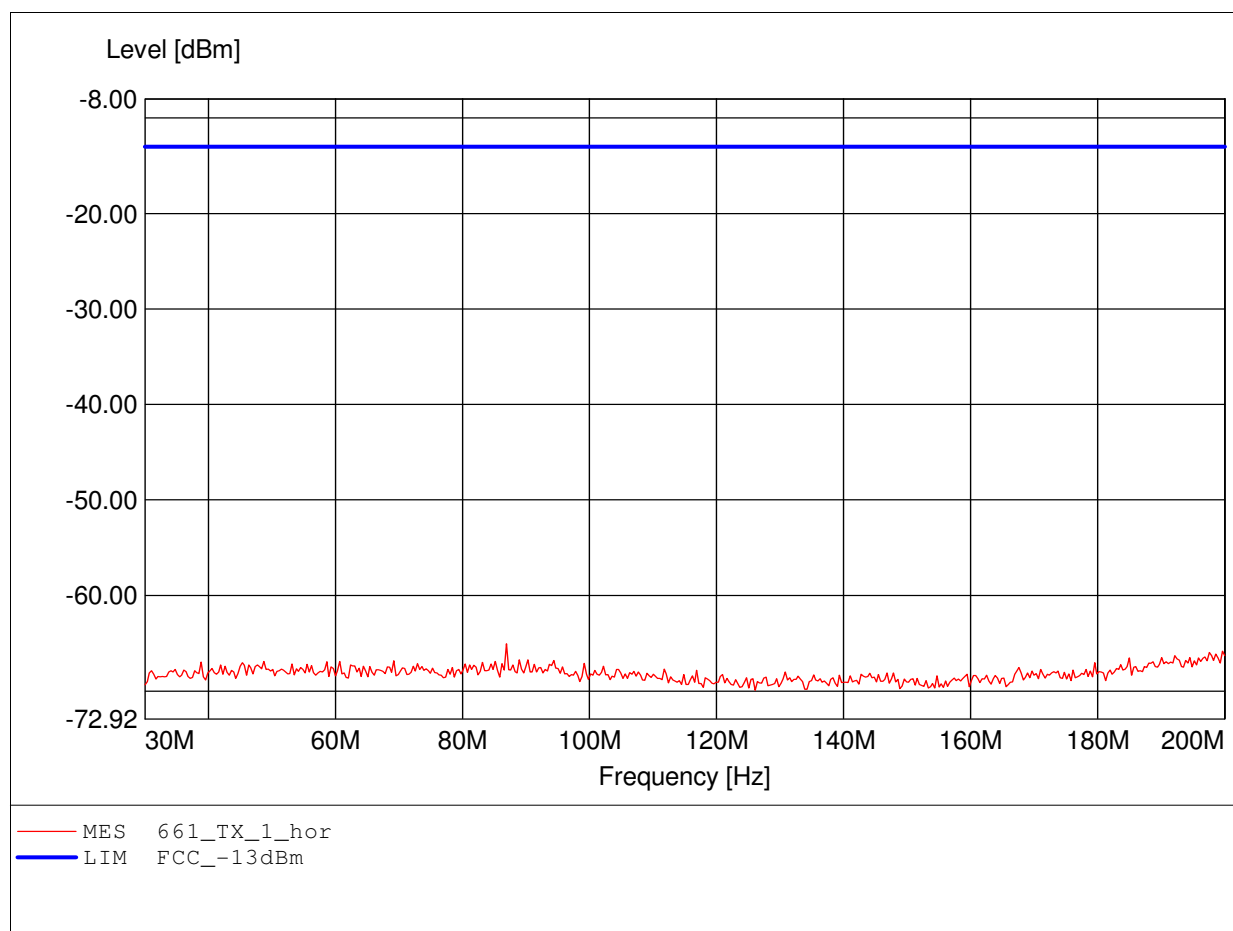
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 512
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 26.500GHz, Pmax: -37.22dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

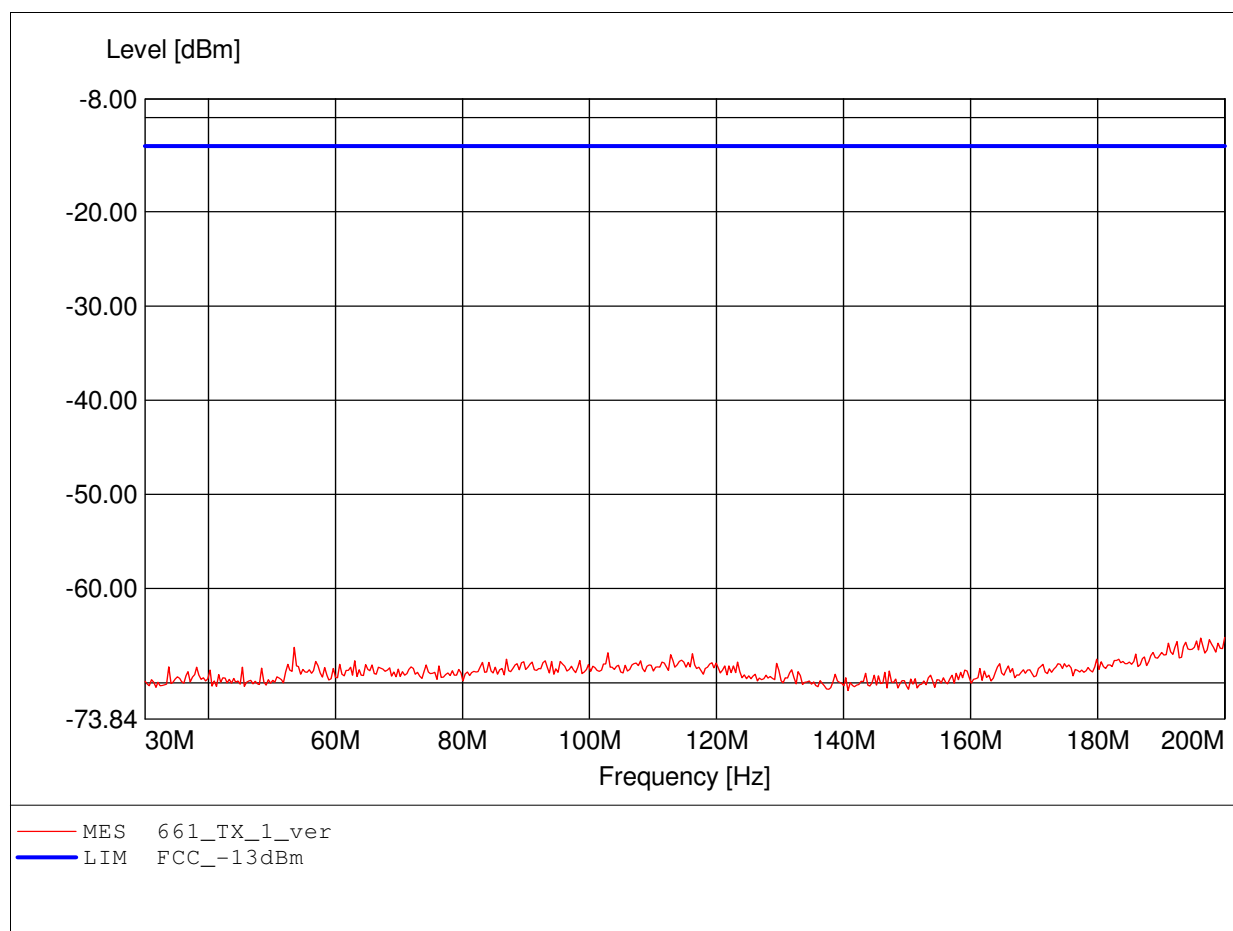
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 661
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 86.894MHz, Pmax: -65.06dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

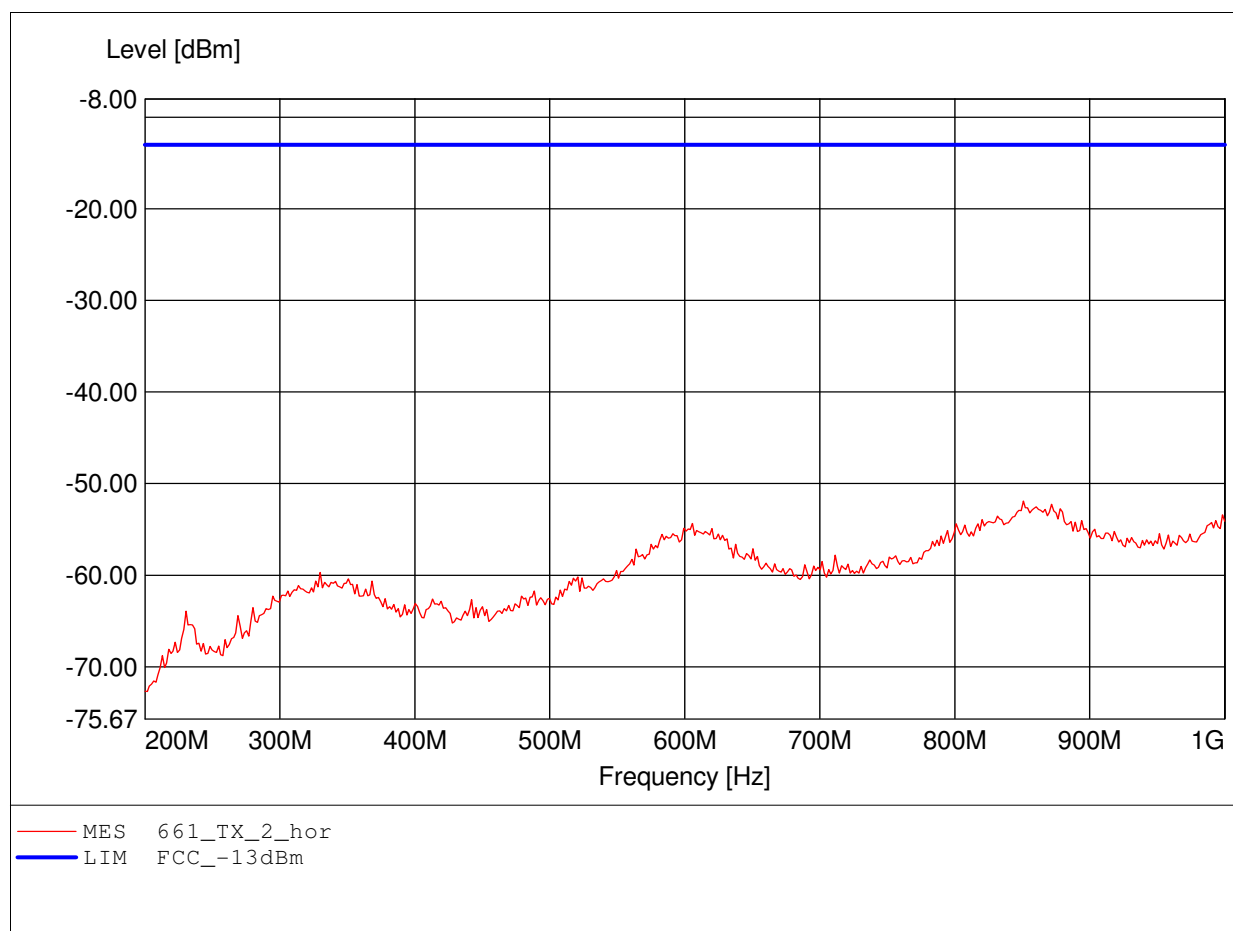
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 661
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 200.000MHz, Pmax: -65.21dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

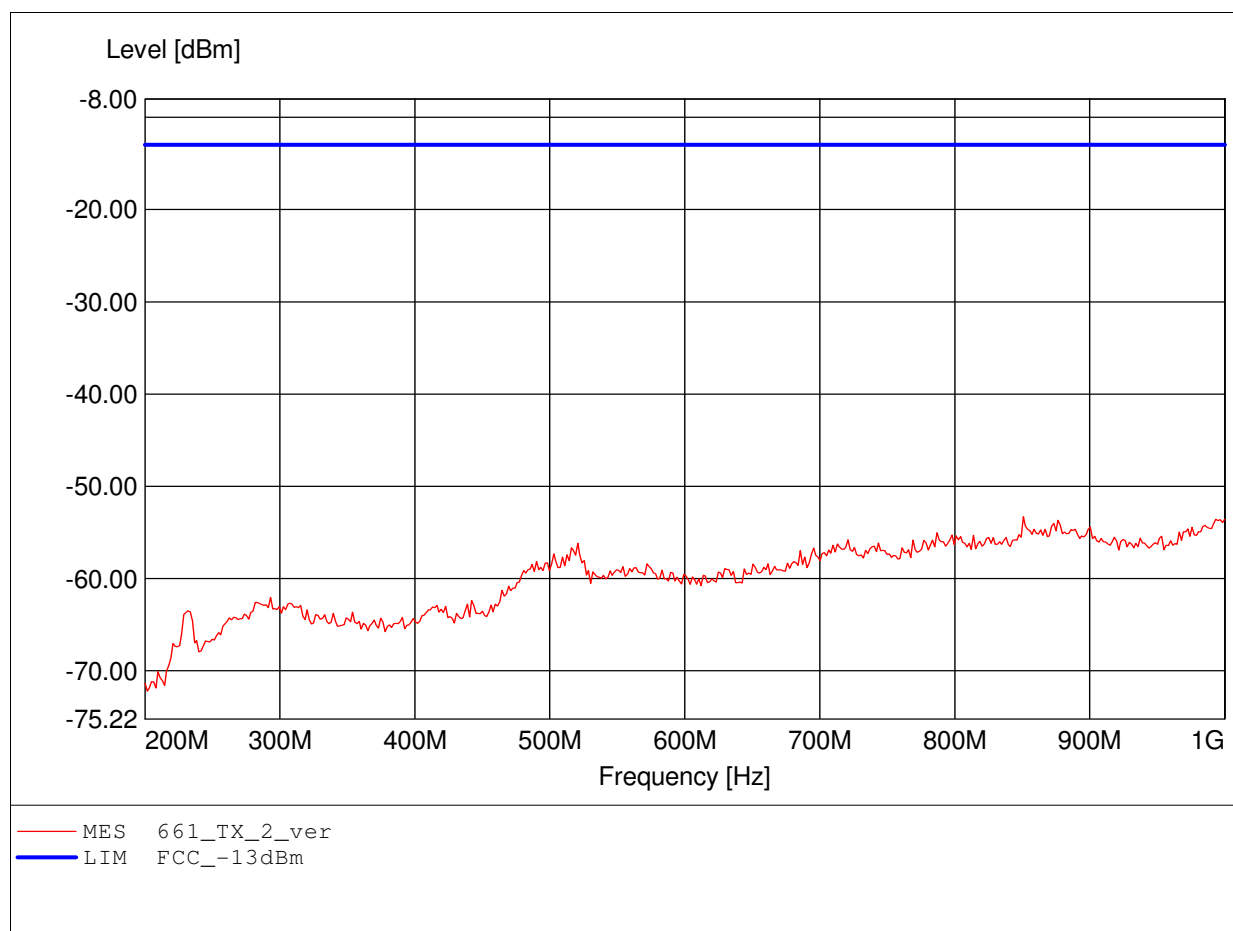
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 661
Comment 1: Dist.: 3m, Ant.: HL 223
Comment 2: Freq: 850.902MHz, Pmax: -51.91dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

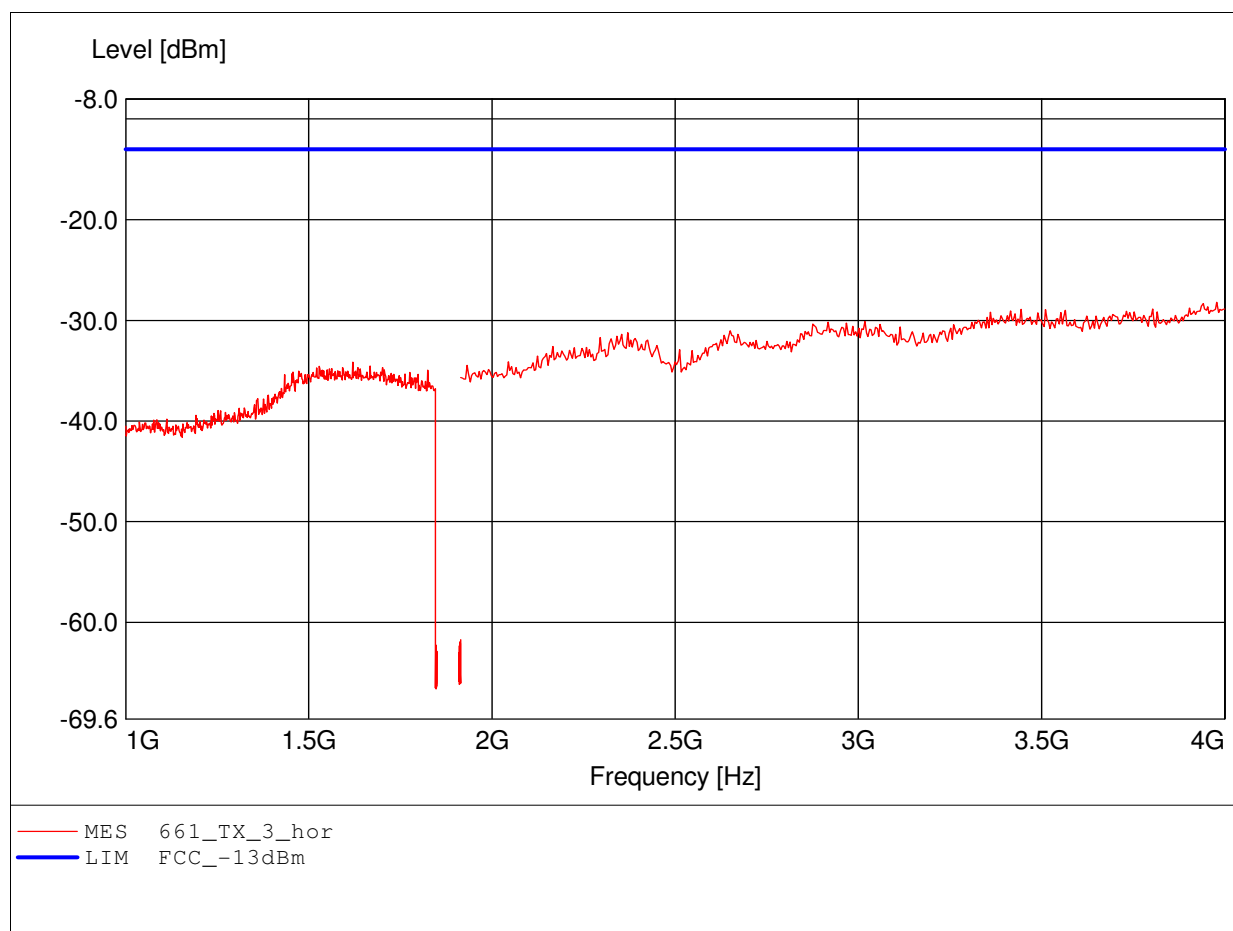
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 661
Comment 1: Dist.: 3m, Ant.: HL 223
Comment 2: Freq: 850.902MHz, Pmax: -53.29dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

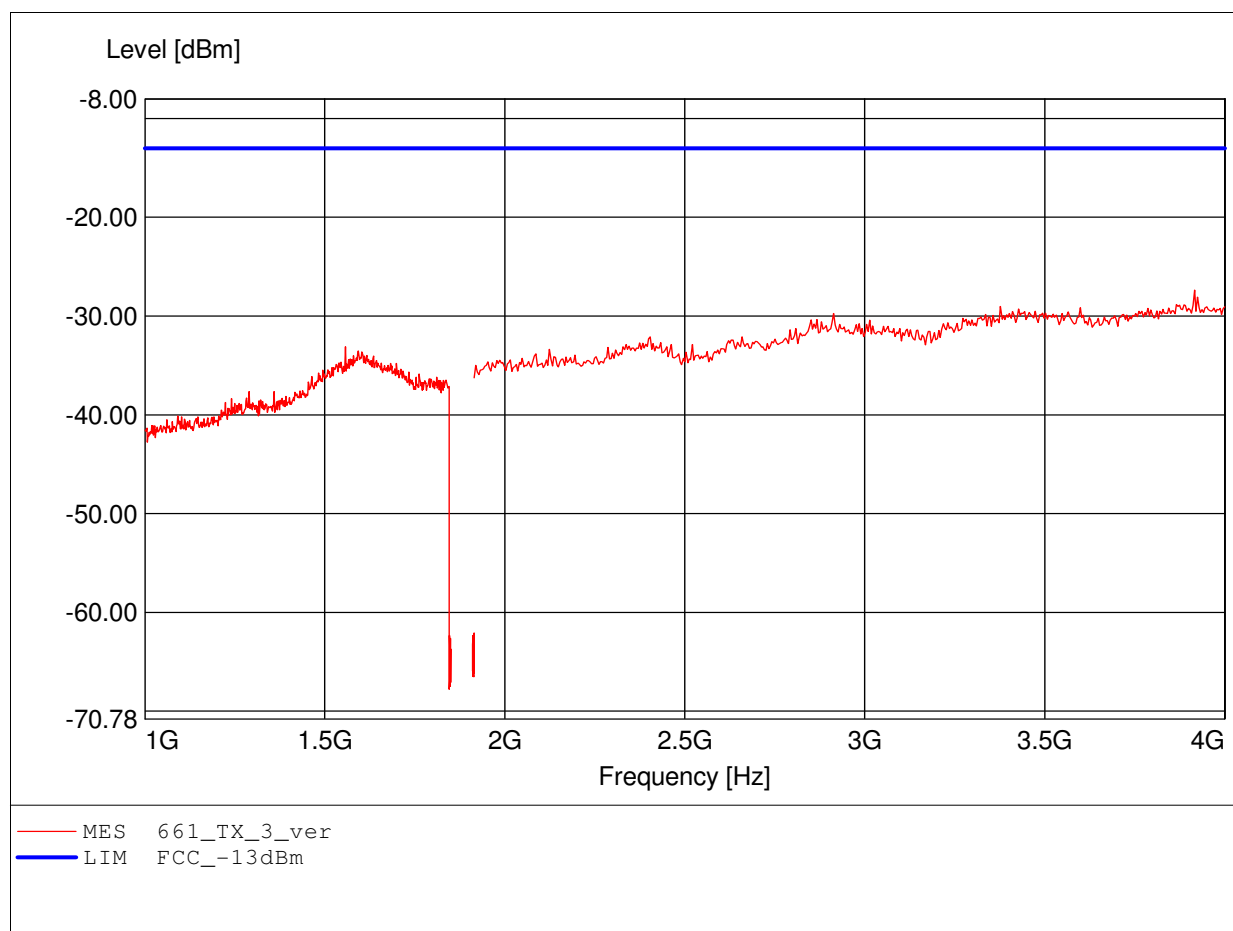
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 661
Comment 1: Dist.: 3m, Ant.: HL025
Comment 2: Freq: 3.979GHz, Pmax: -28.22dBm, RBW: 1MHz/3kHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

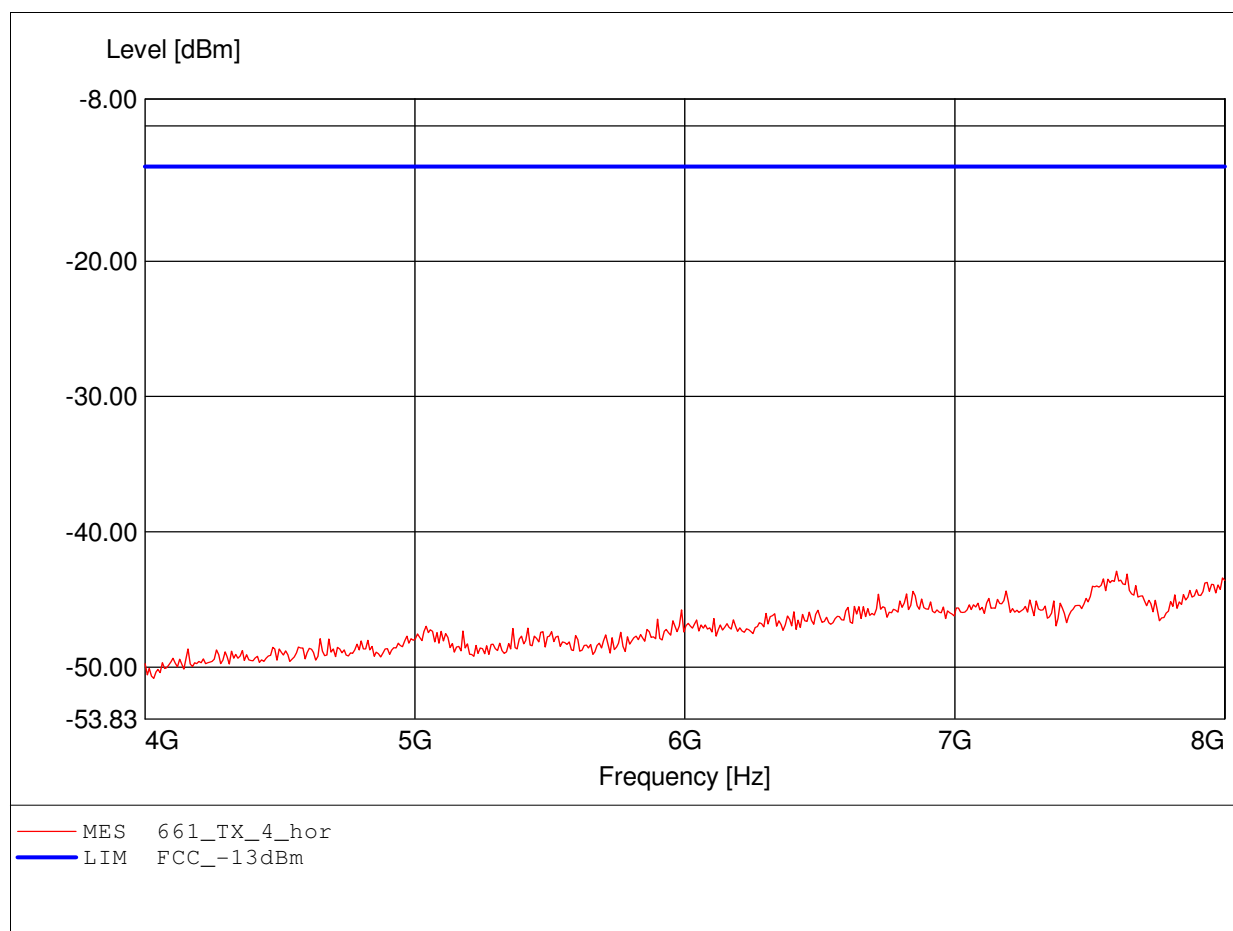
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 661
Comment 1: Dist.: 3m, Ant.: HL025
Comment 2: Freq: 3.916GHz, Pmax: -27.36dBm, RBW: 1MHz/3kHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

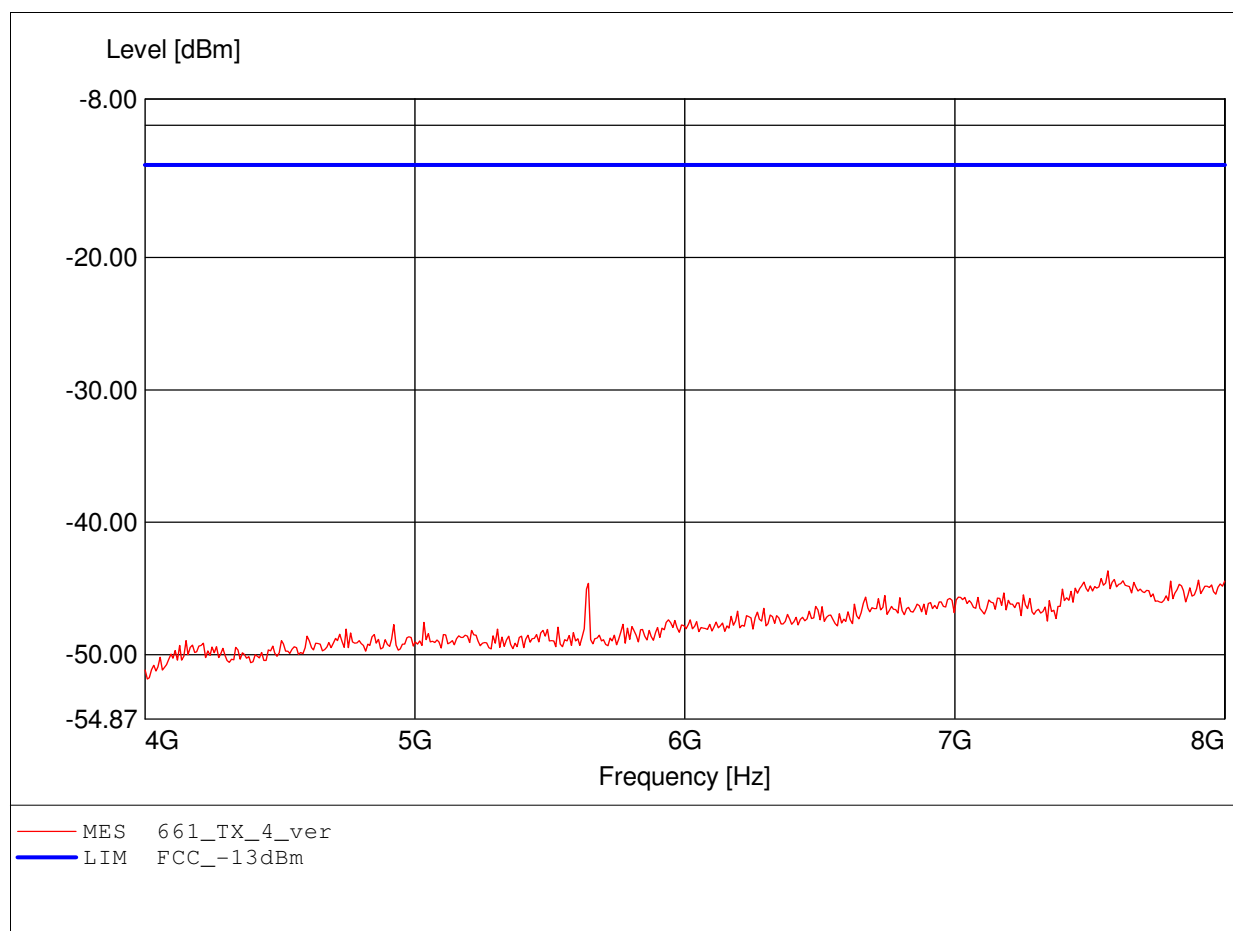
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 661
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 7.599GHz, Pmax: -42.91dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

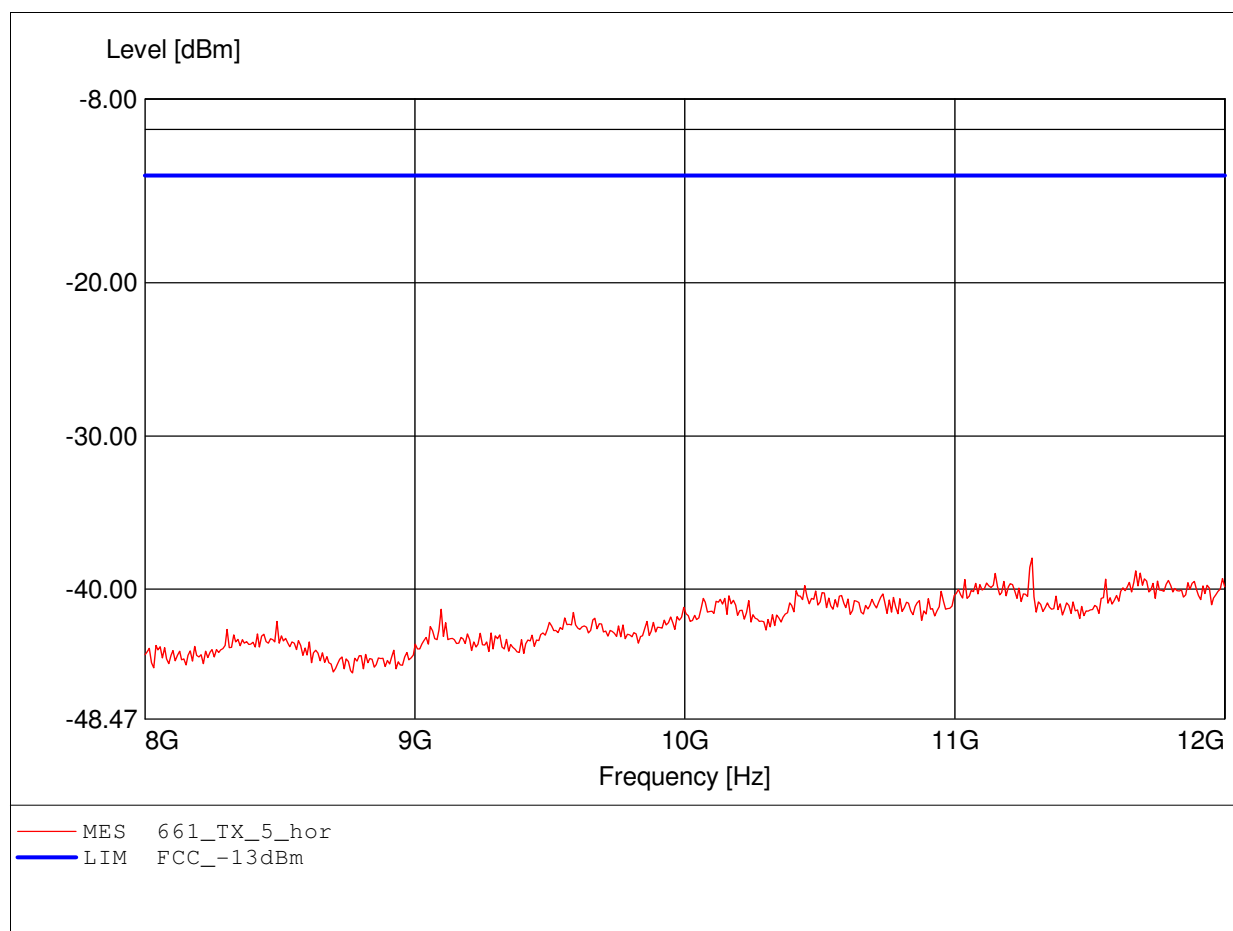
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 661
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 7.567GHz, Pmax: -43.67dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

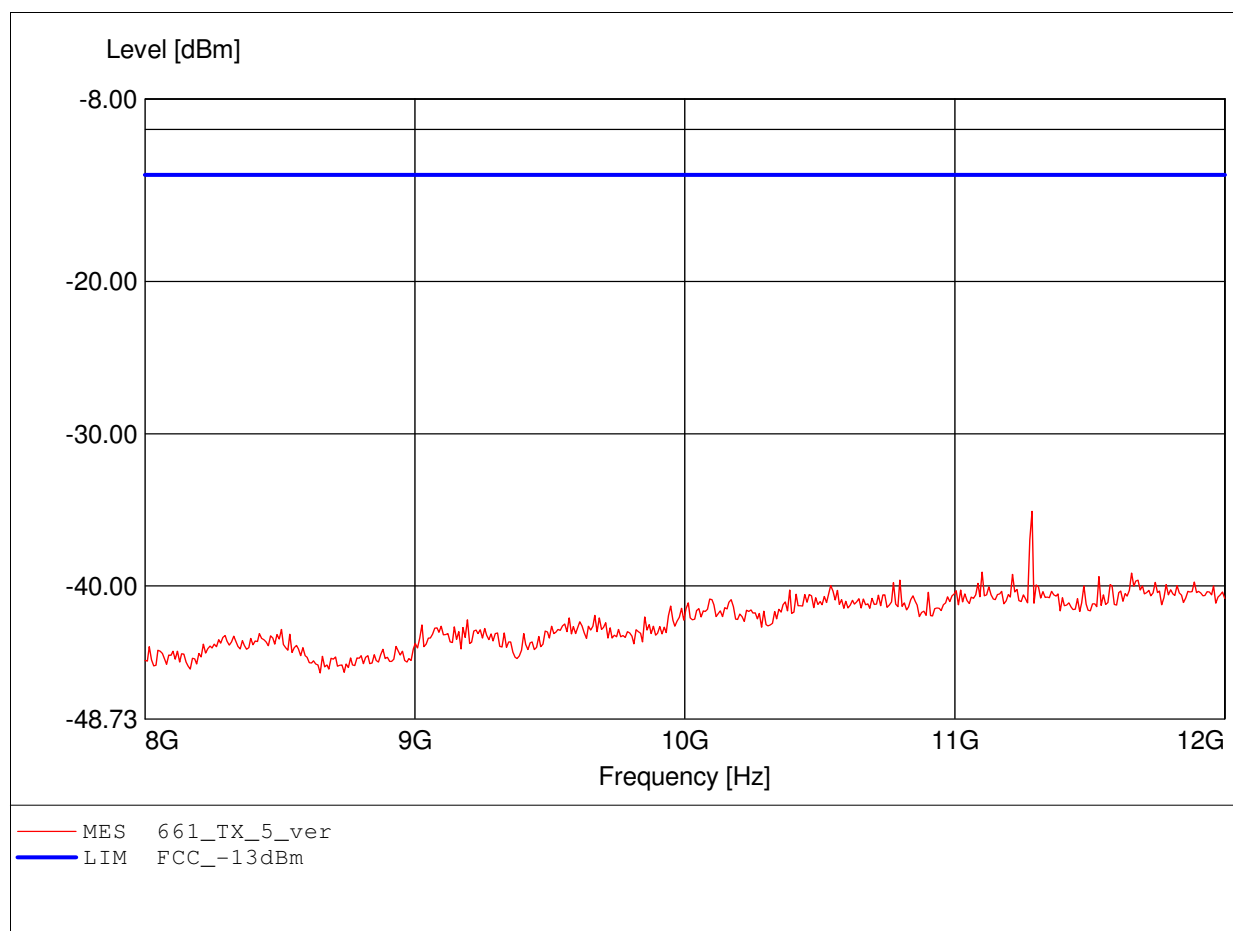
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 661
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 11.287GHz, Pmax: -37.96dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

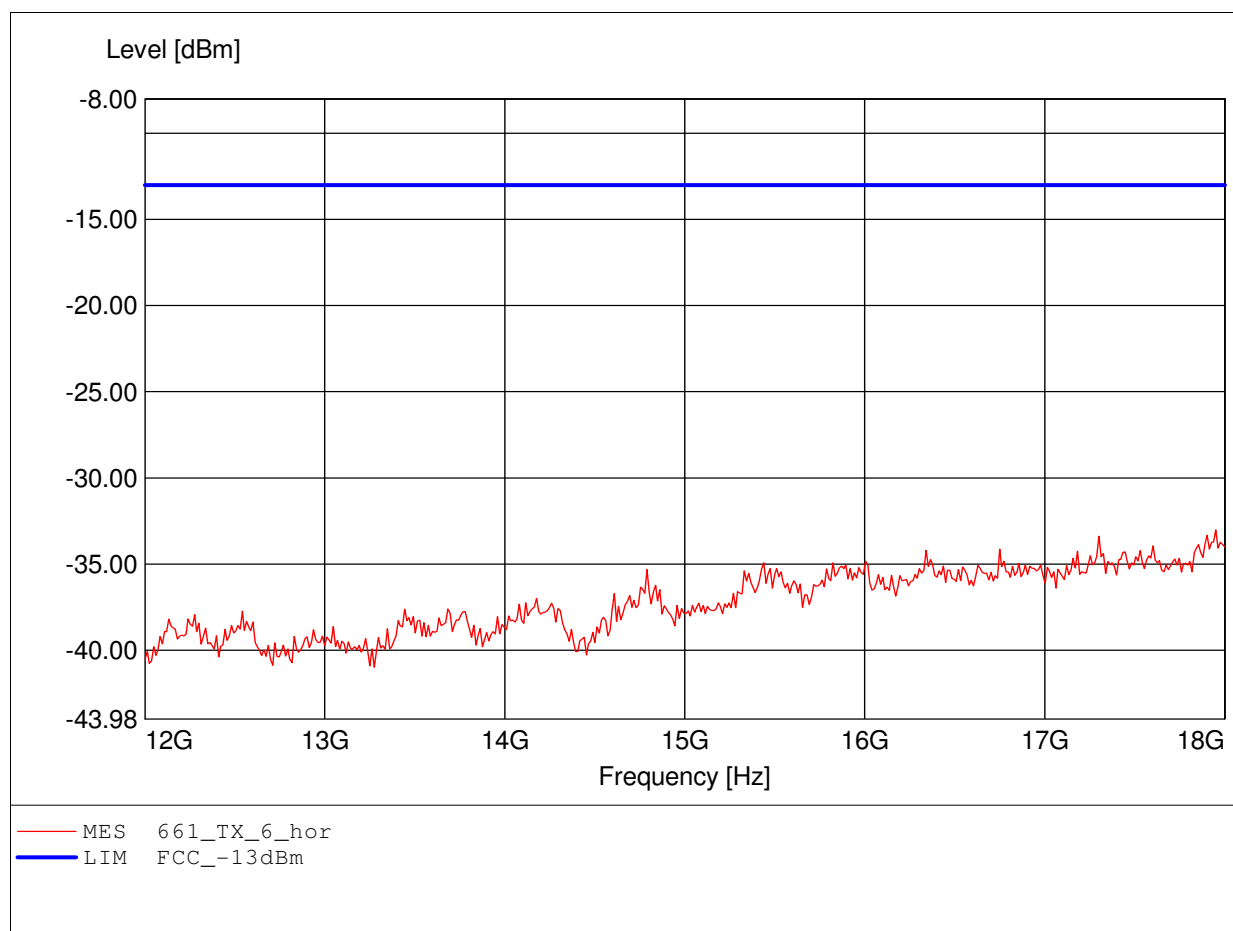
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 661
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 11.287GHz, Pmax: -35.10dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

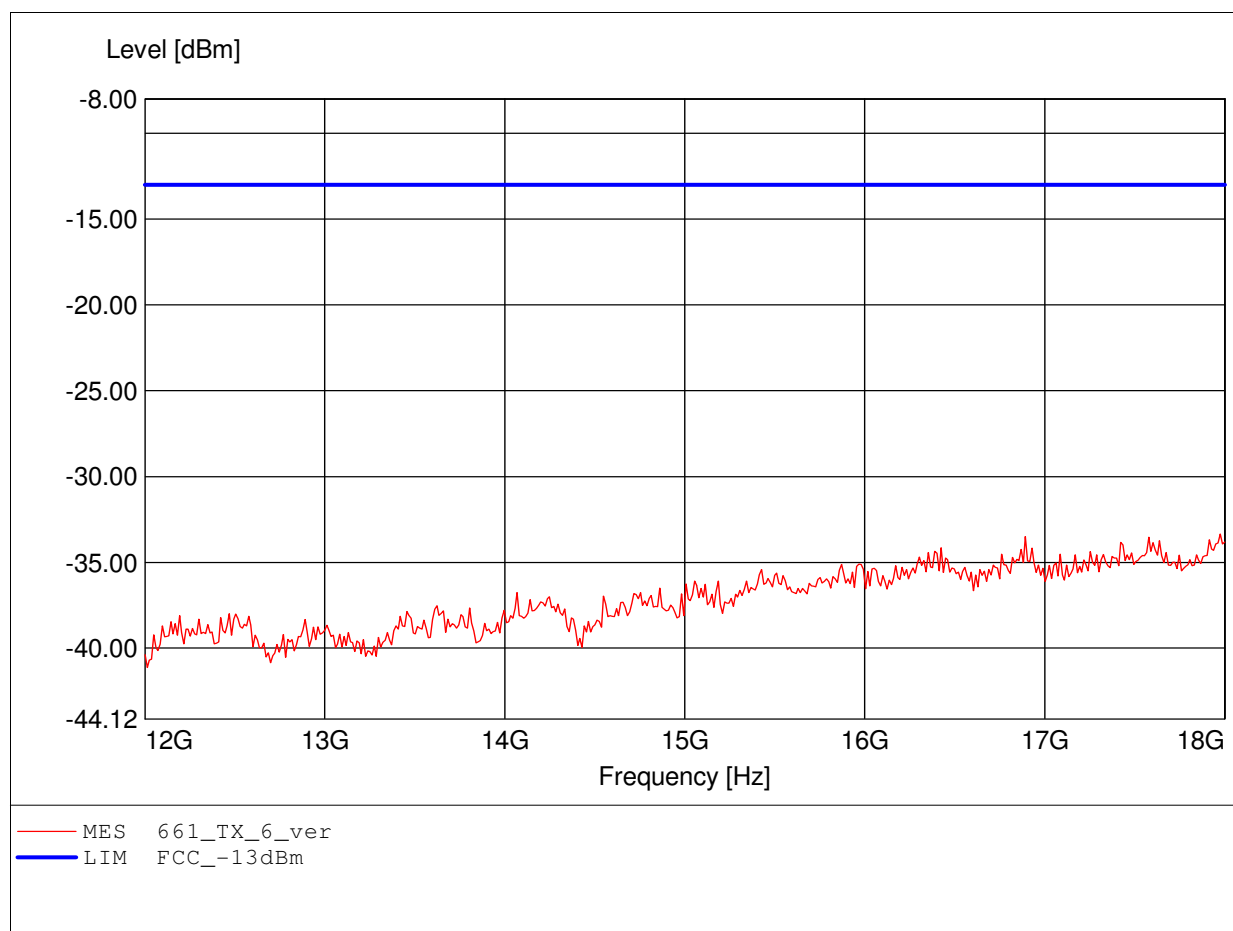
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 661
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 17.952GHz, Pmax: -33.01dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

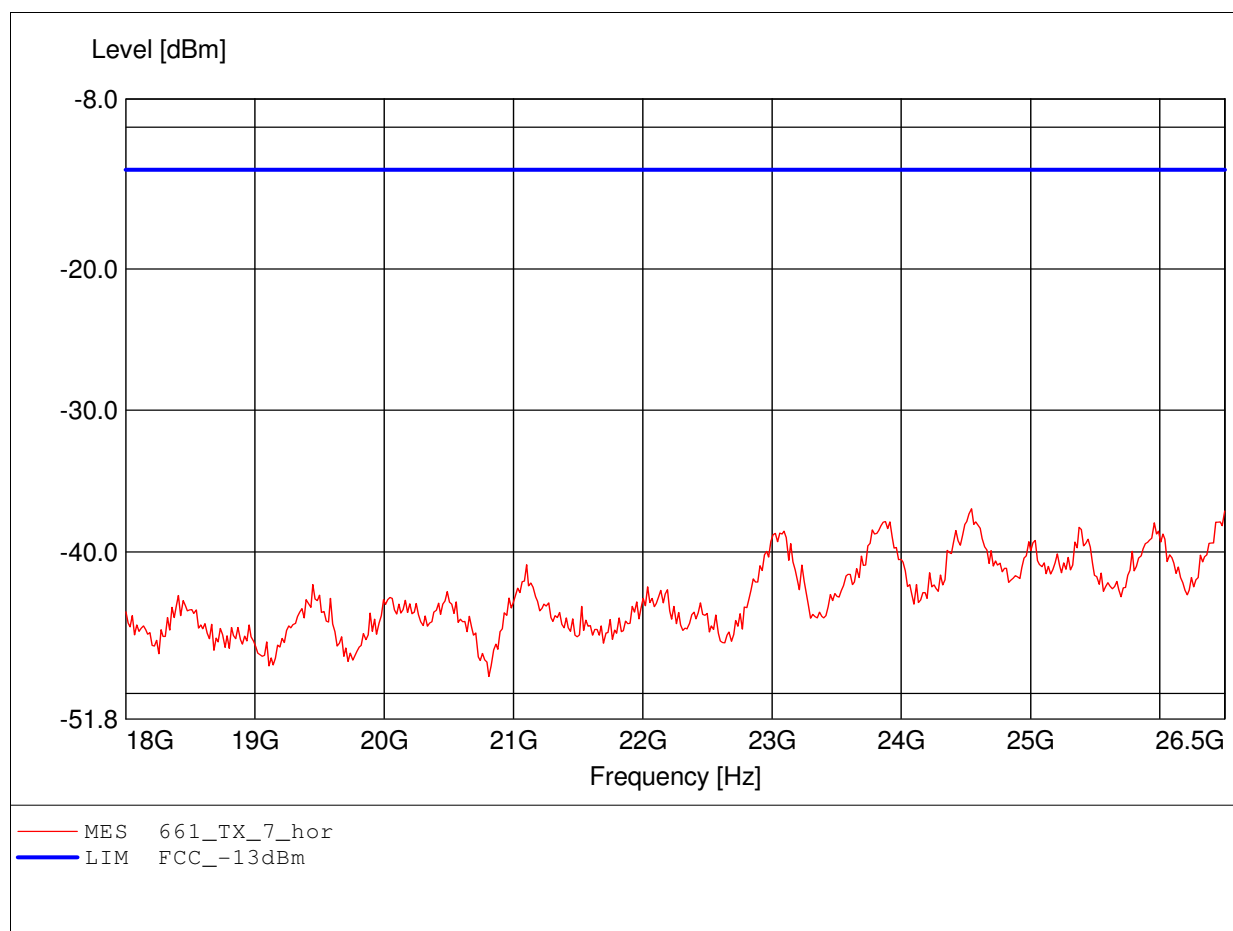
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 661
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 17.976GHz, Pmax: -33.34dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

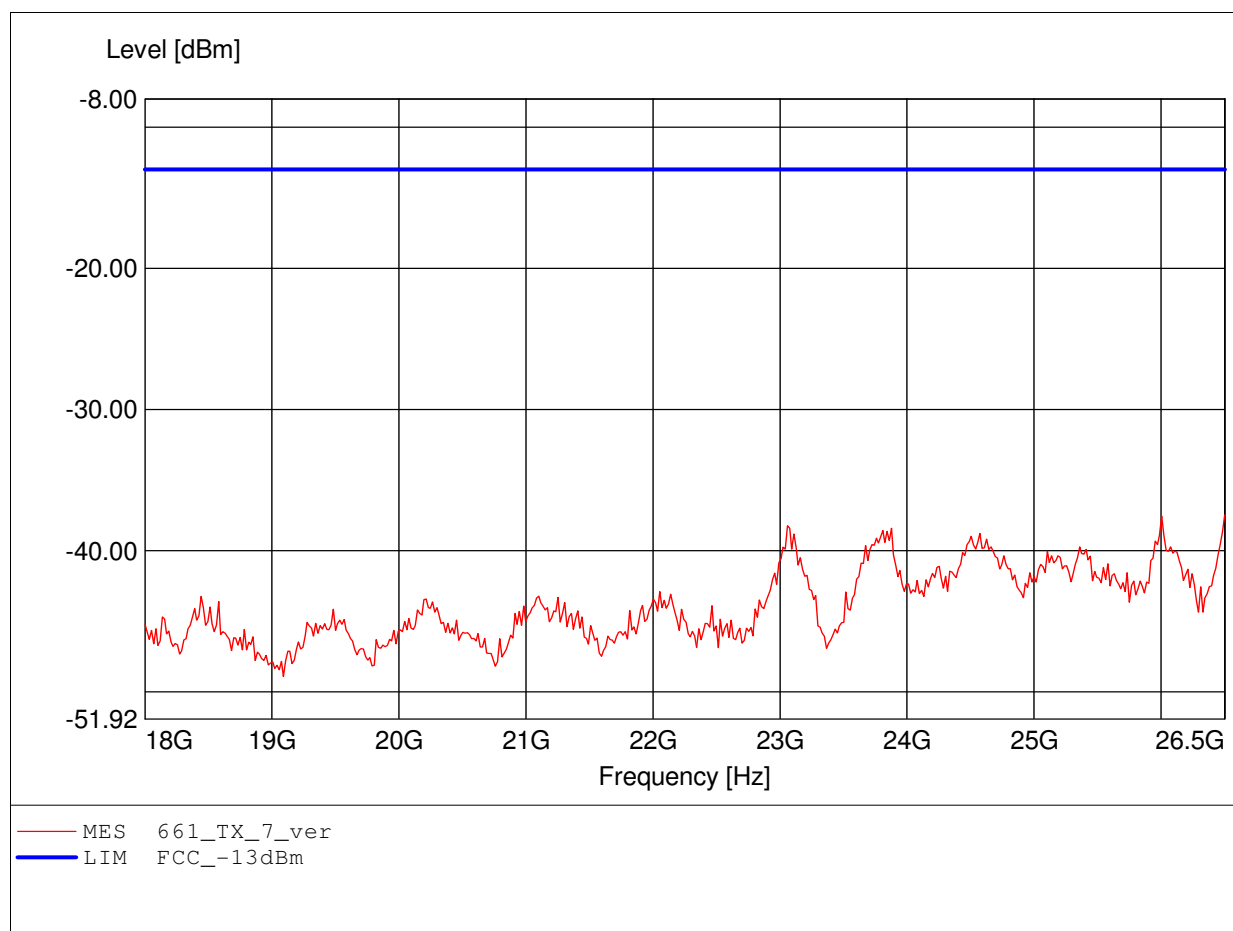
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 661
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 24.541GHz, Pmax: -36.96dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

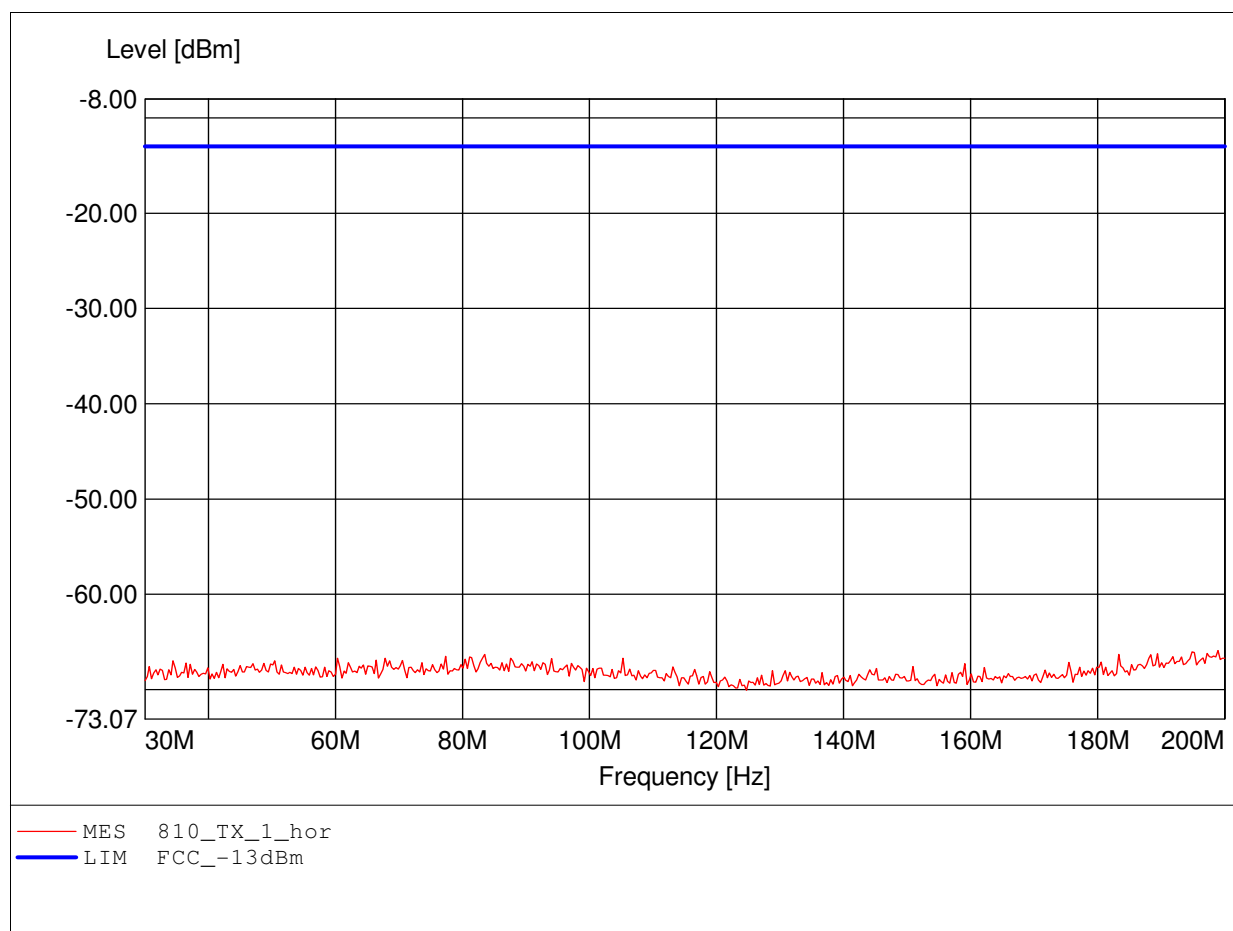
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 661
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 26.500GHz, Pmax: -37.47dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

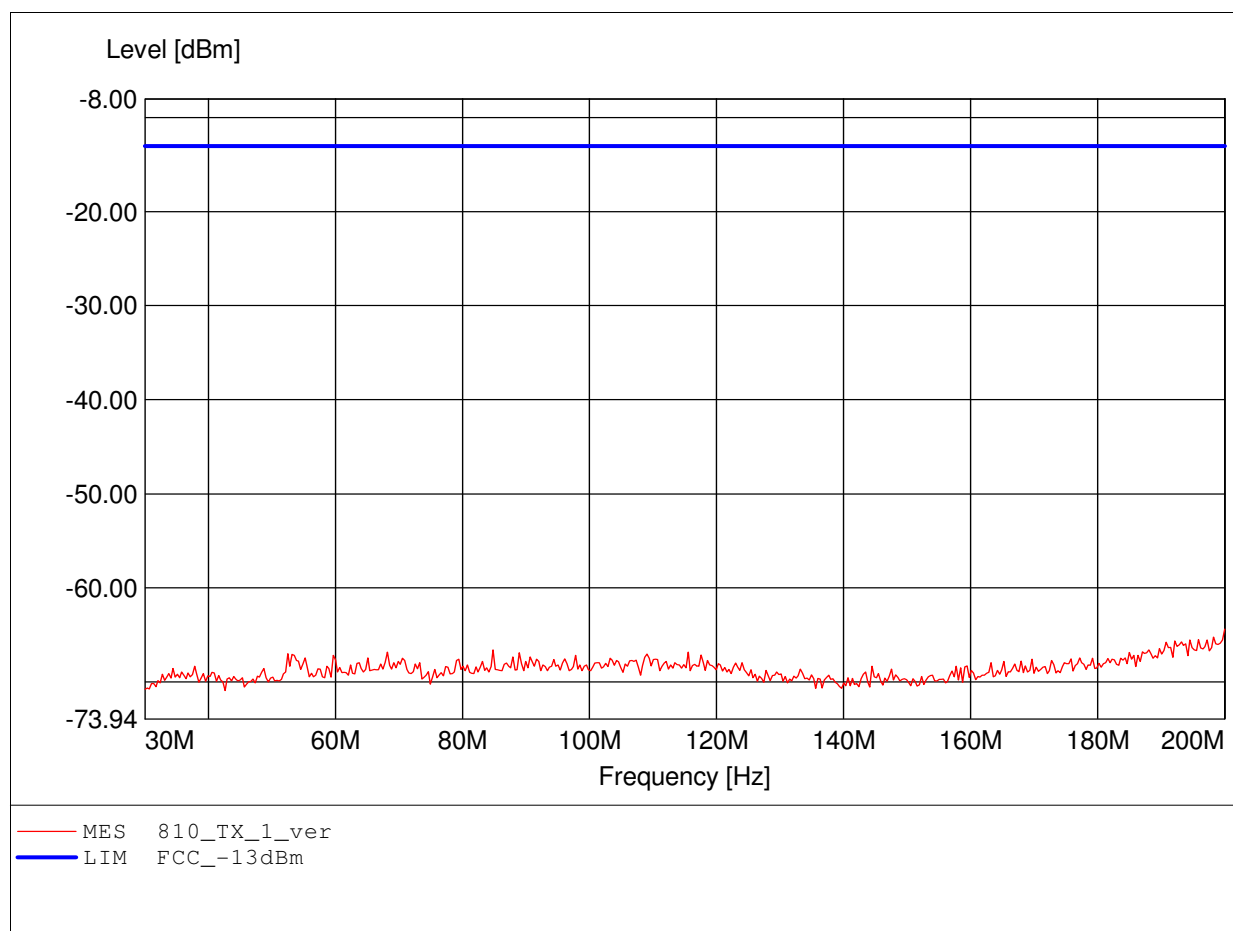
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 810
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 198.978MHz, Pmax: -65.89dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

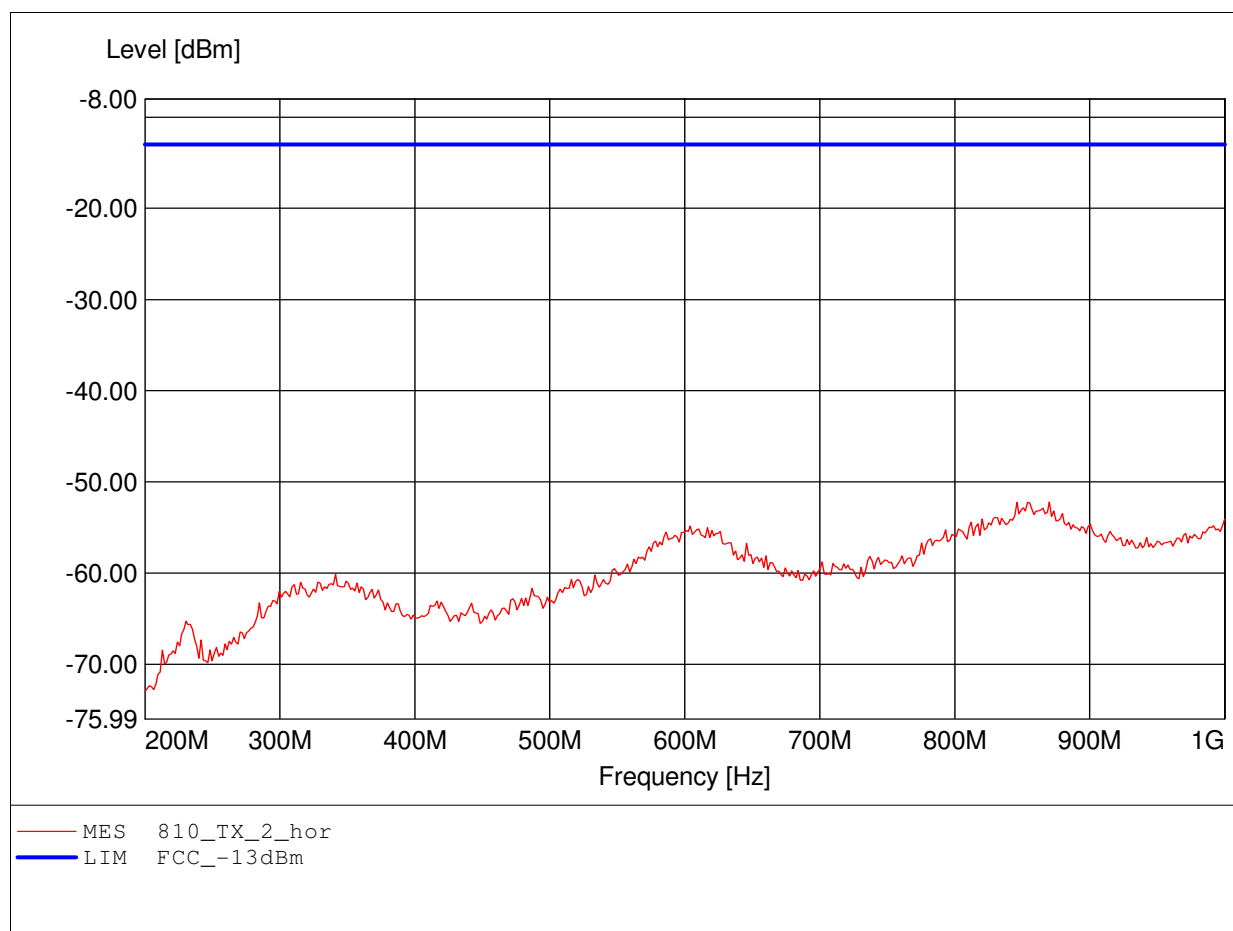
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 810
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 200.000MHz, Pmax: -64.39dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

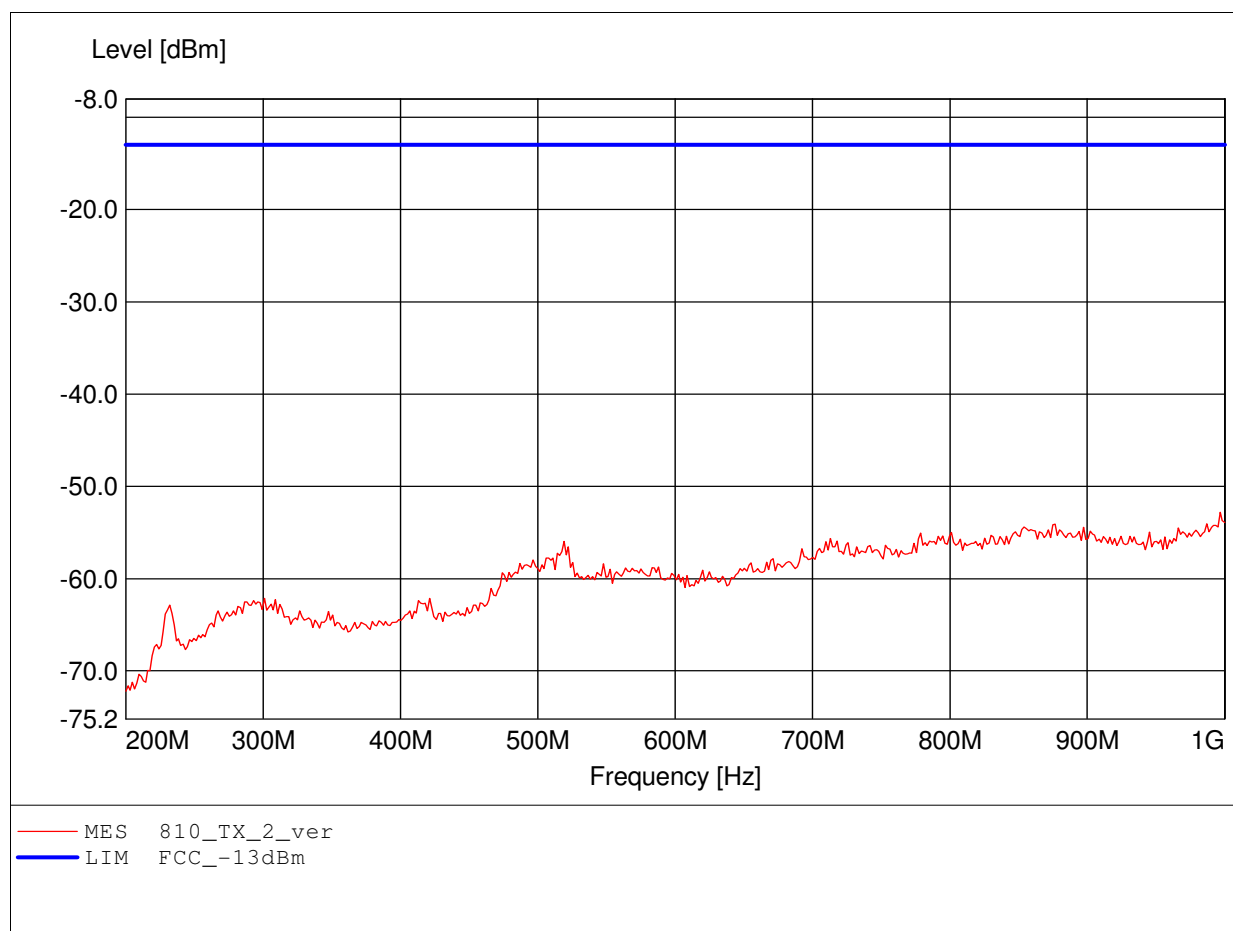
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 810
Comment 1: Dist.: 3m, Ant.: HL 223
Comment 2: Freq: 870.140MHz, Pmax: -52.20dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

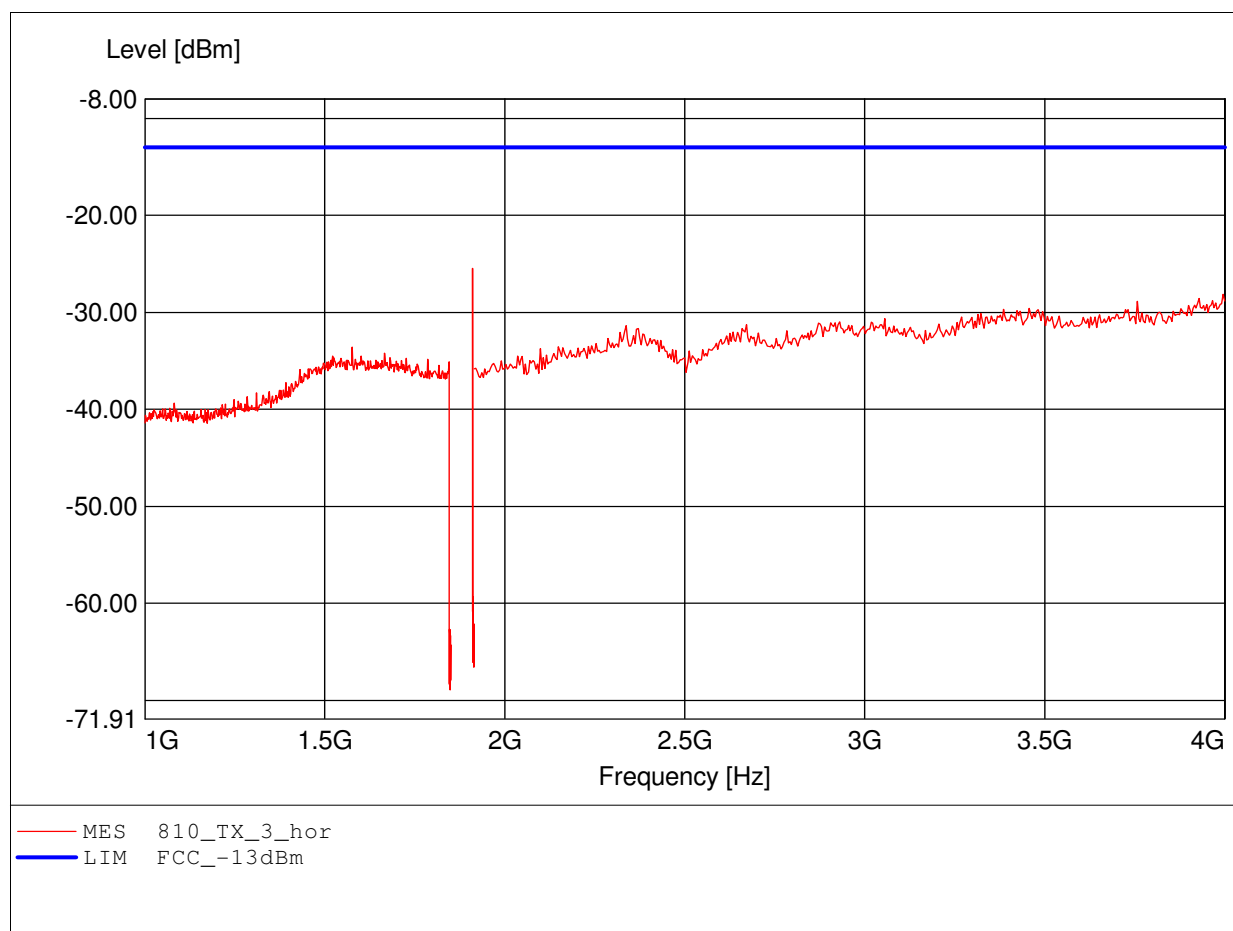
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 810
Comment 1: Dist.: 3m, Ant.: HL 223
Comment 2: Freq: 996.794MHz, Pmax: -52.82dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

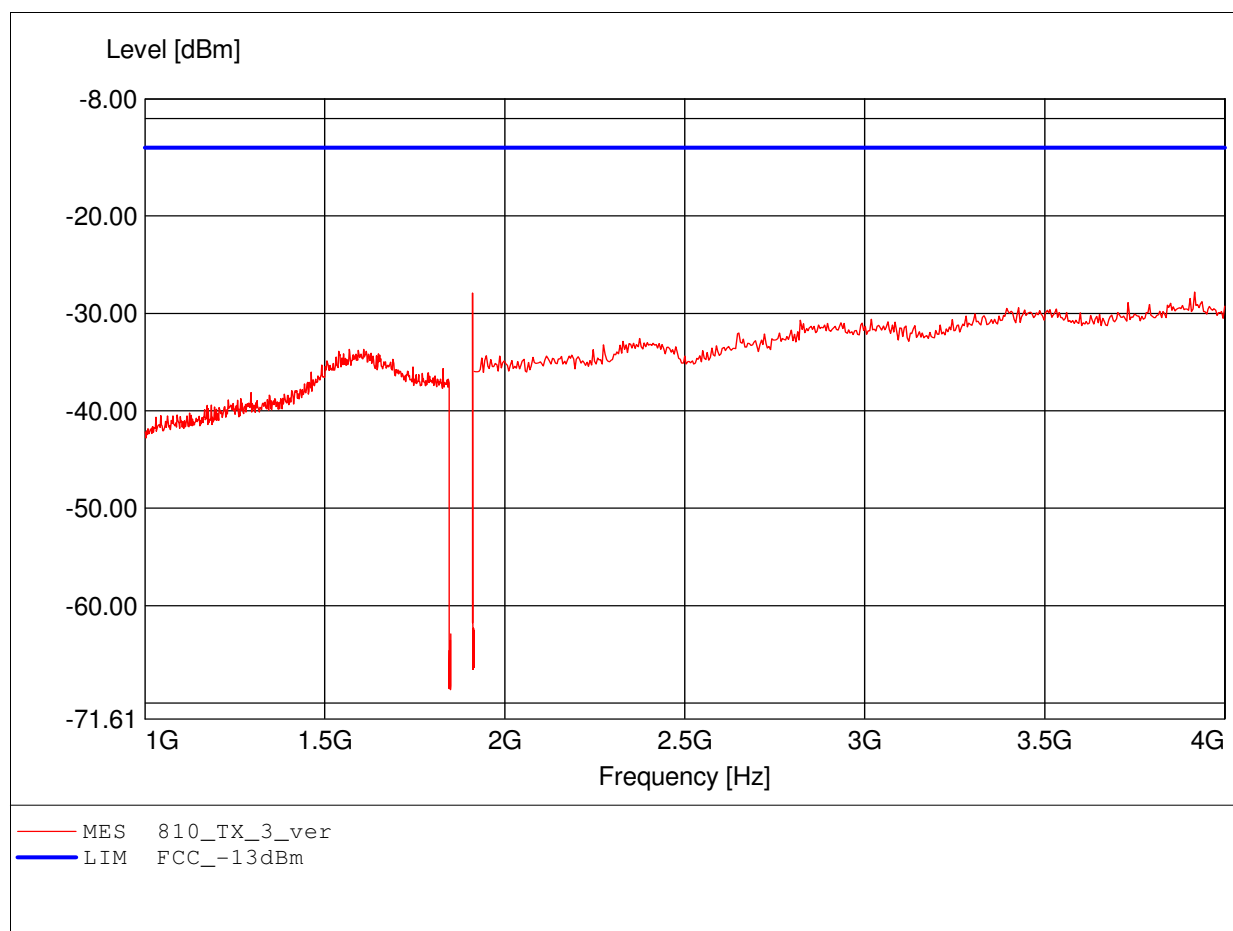
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 810
Comment 1: Dist.: 3m, Ant.: HL025
Comment 2: Freq: 1.910GHz, Pmax: -25.48dBm, RBW: 1MHz/3kHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

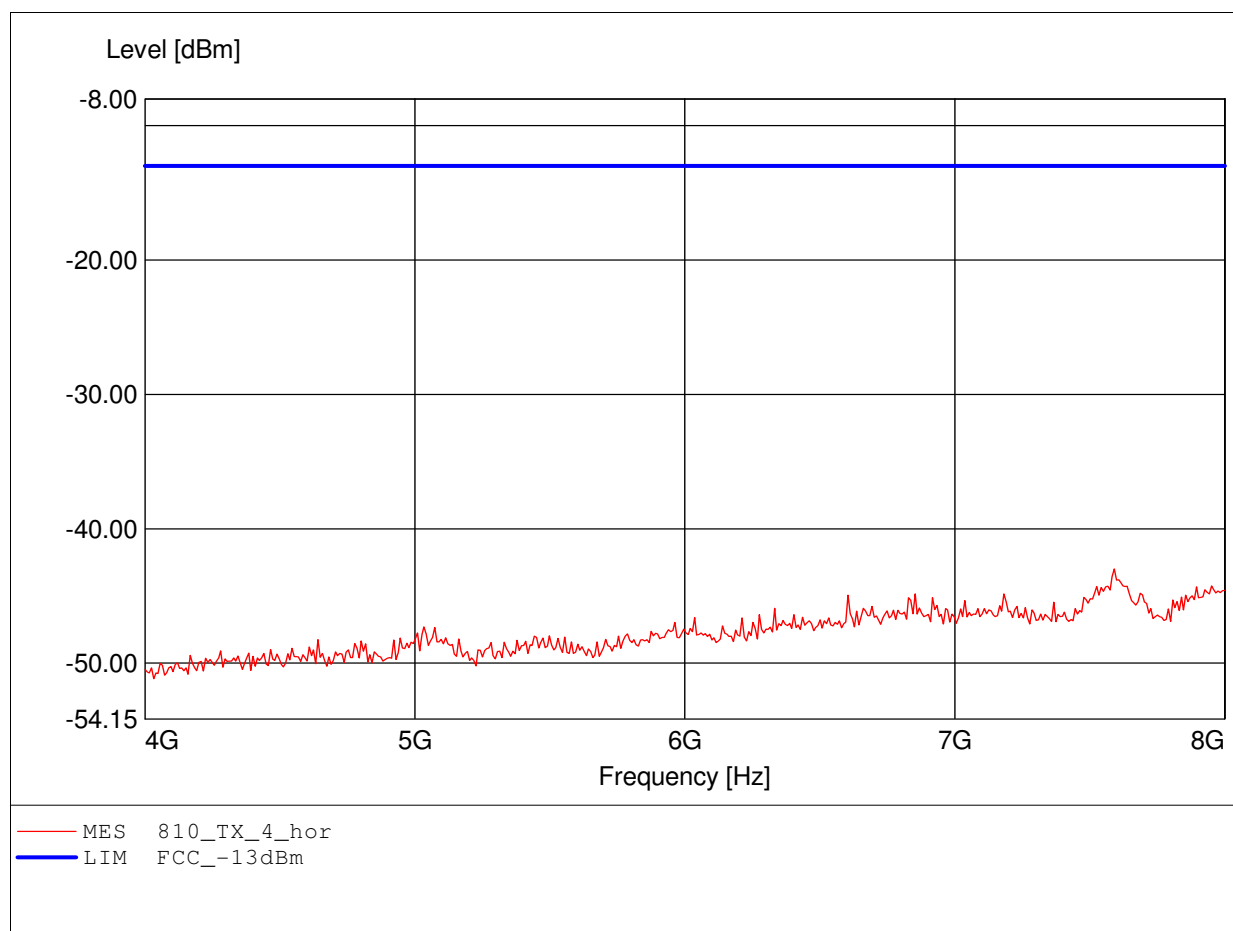
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 810
Comment 1: Dist.: 3m, Ant.: HL025
Comment 2: Freq: 3.916GHz, Pmax: -27.81dBm, RBW: 1MHz/3kHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

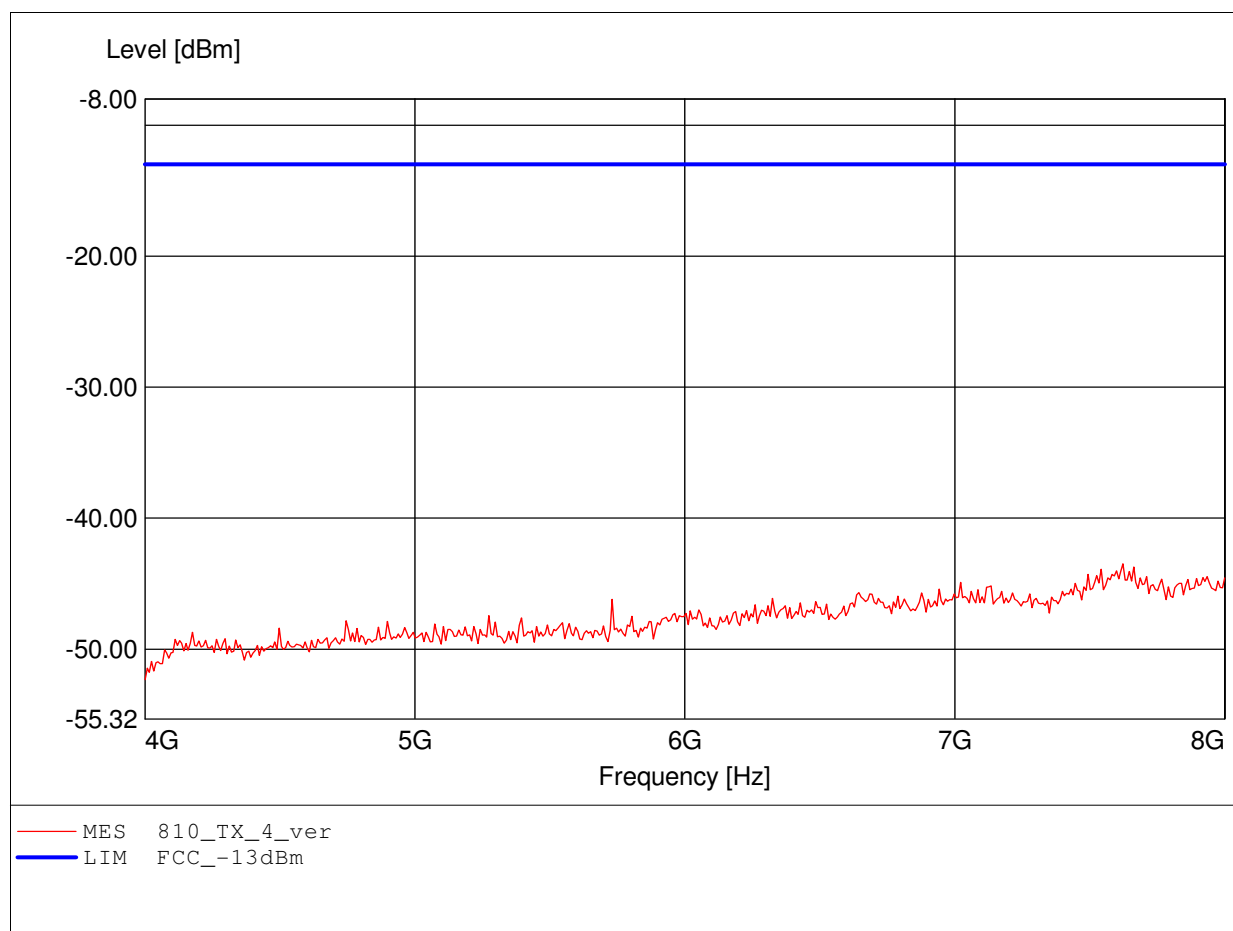
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 810
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 7.591GHz, Pmax: -42.99dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

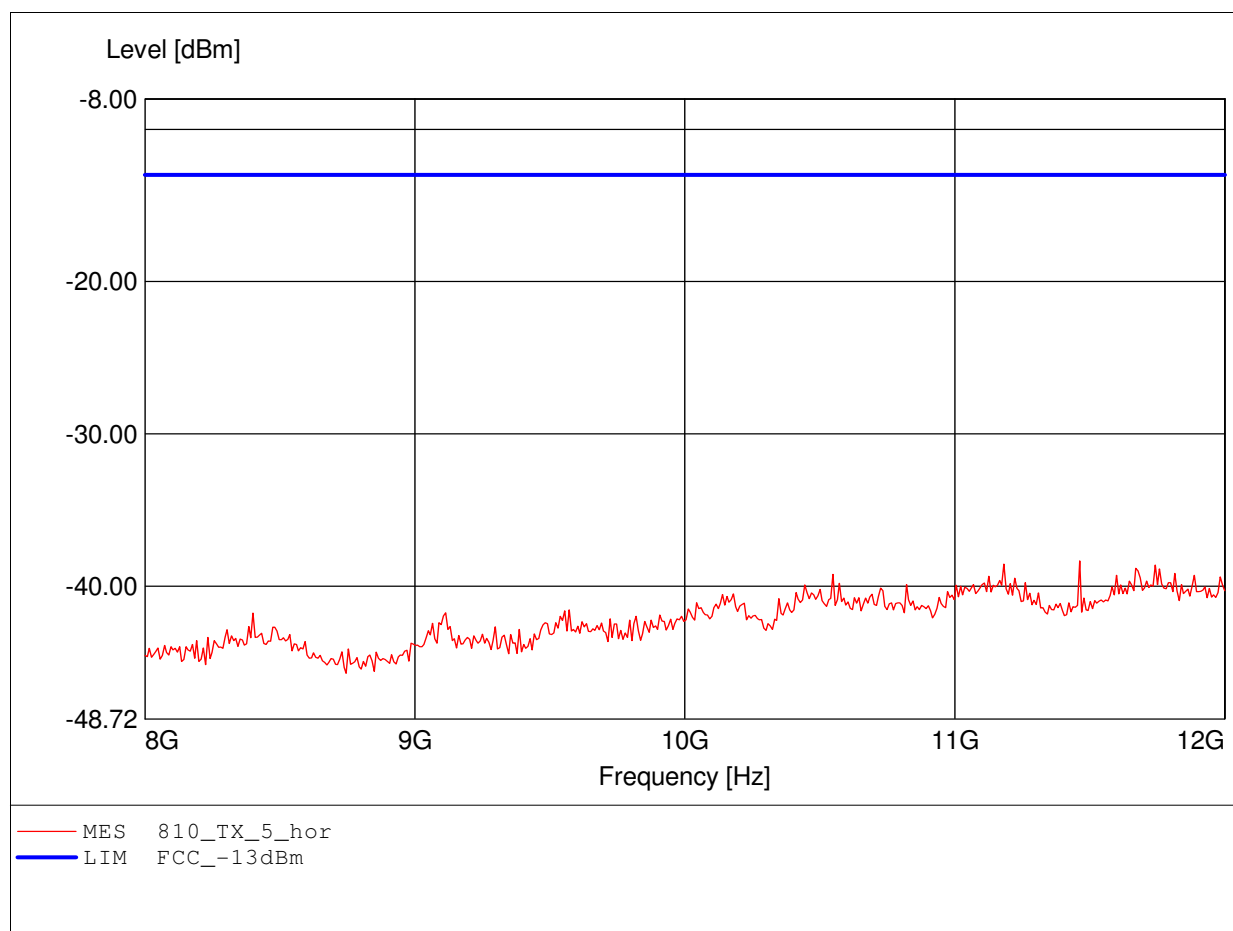
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 810
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 7.623GHz, Pmax: -43.50dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

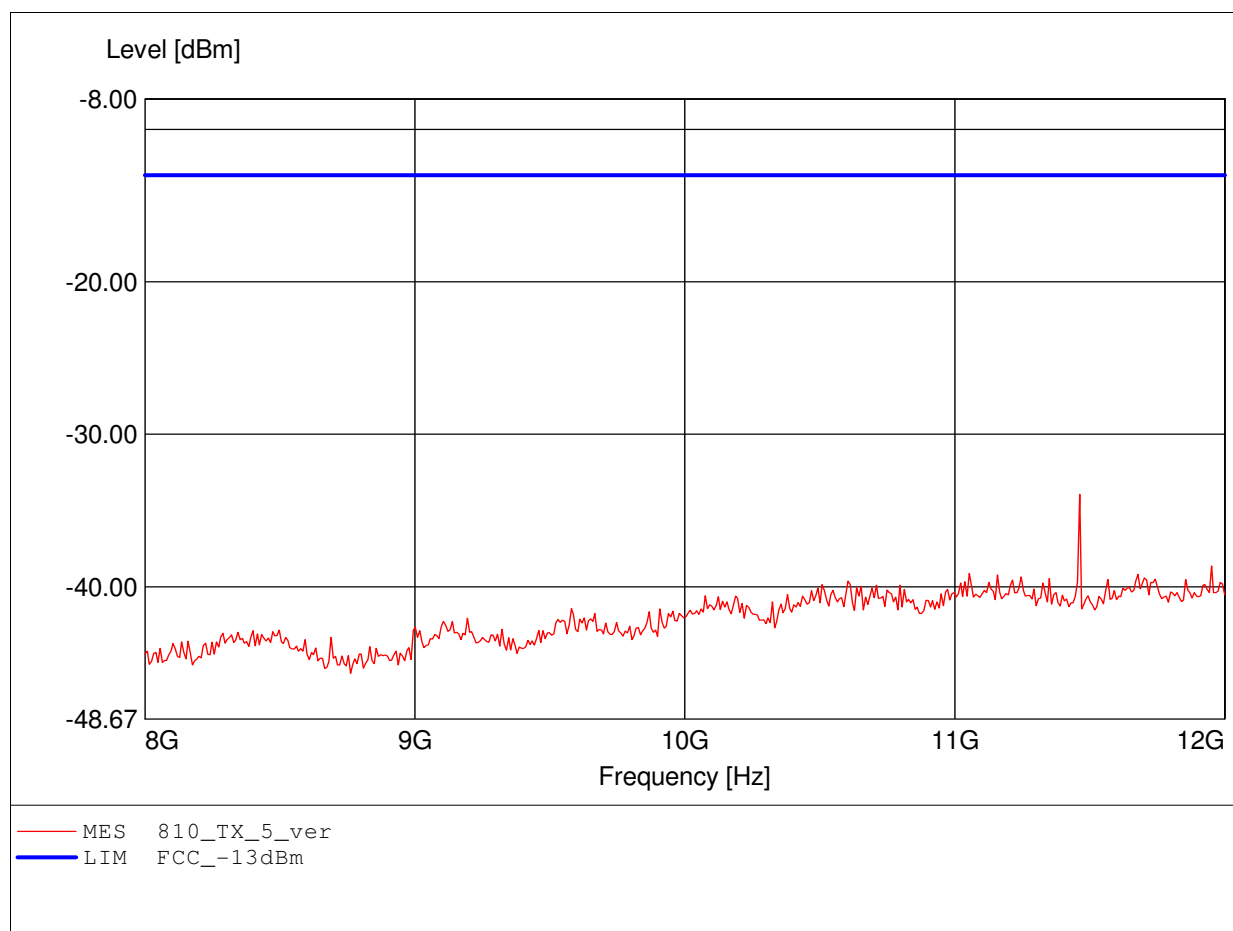
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 810
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 11.463GHz, Pmax: -38.35dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

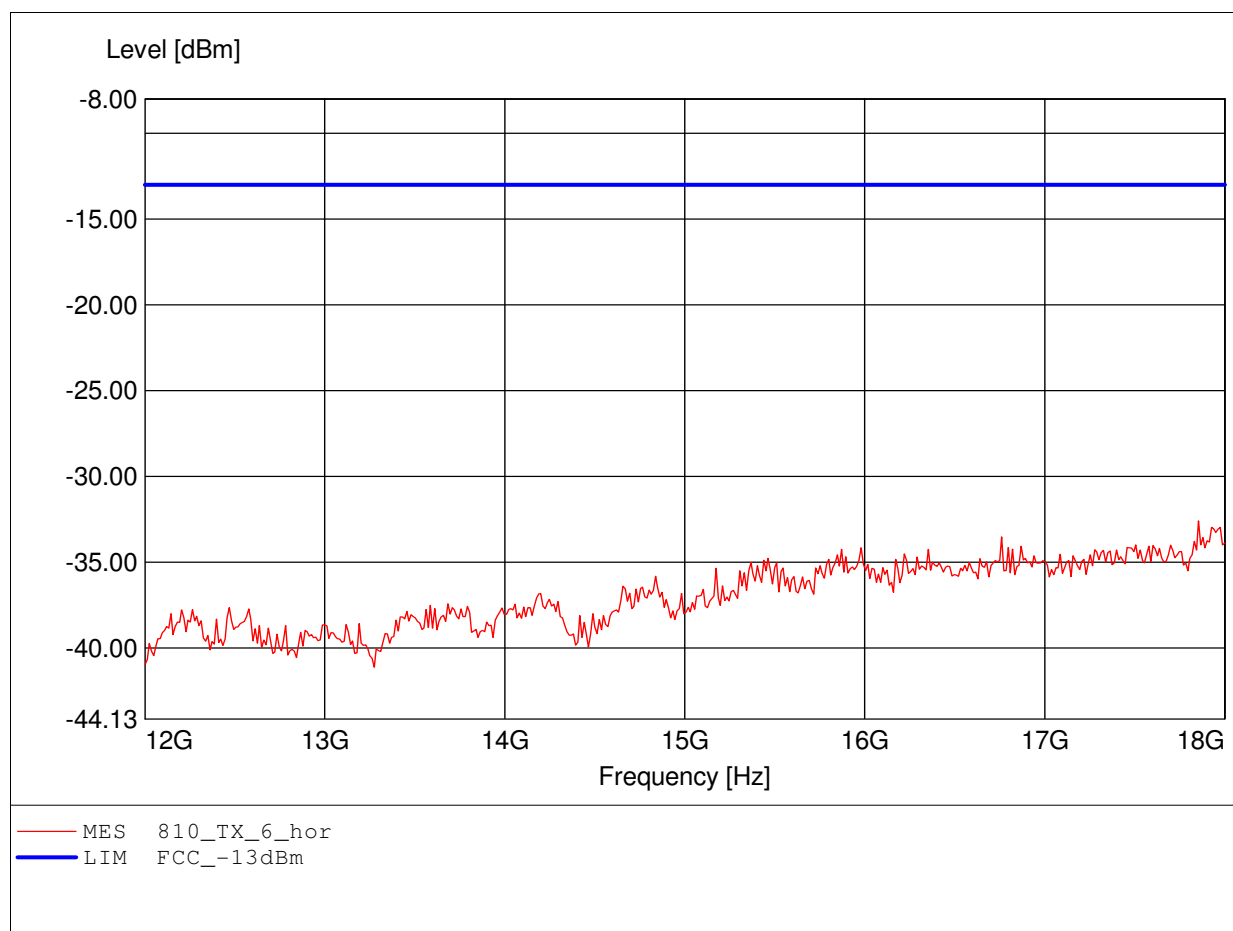
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 810
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 11.463GHz, Pmax: -33.94dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

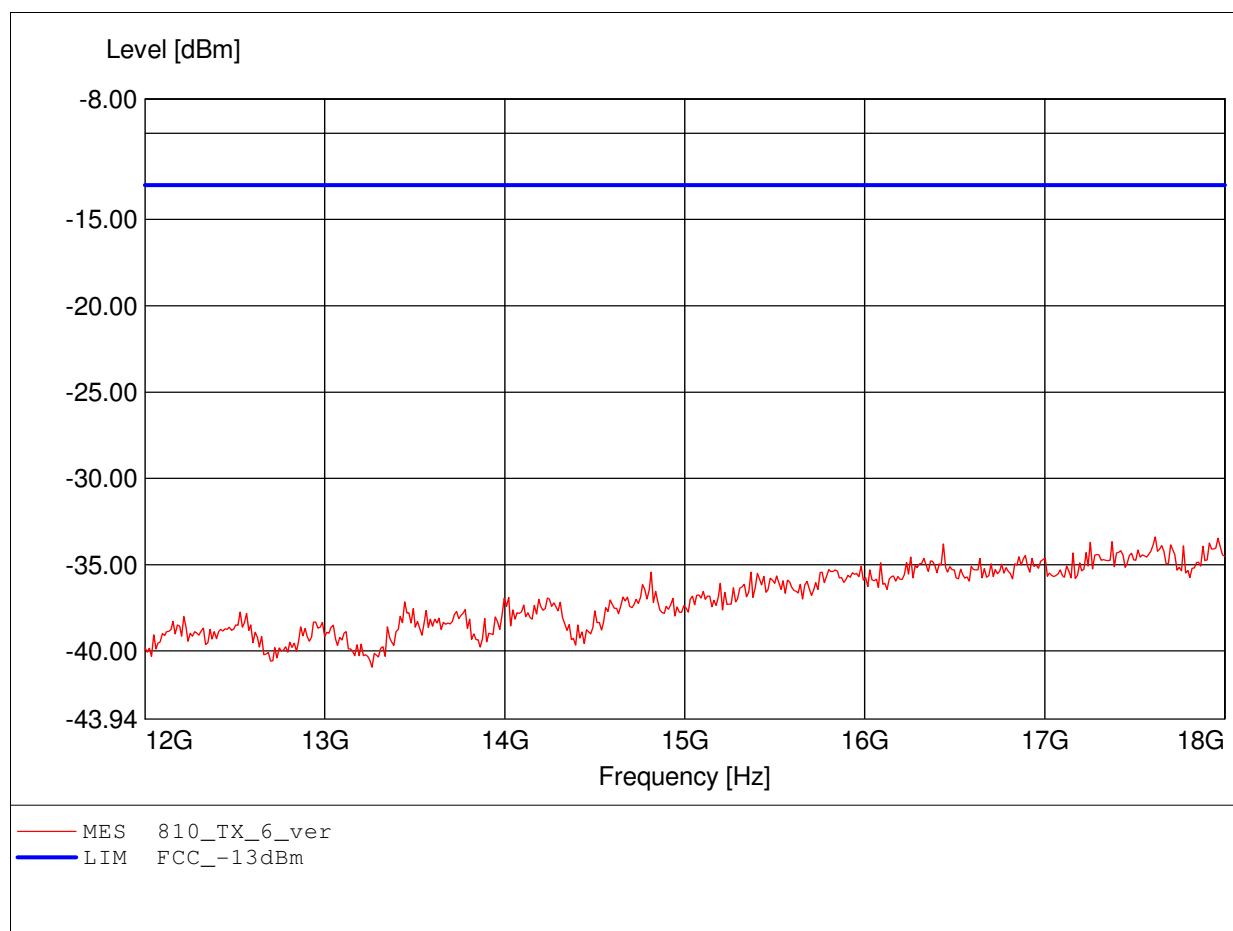
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 810
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 17.856GHz, Pmax: -32.59dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

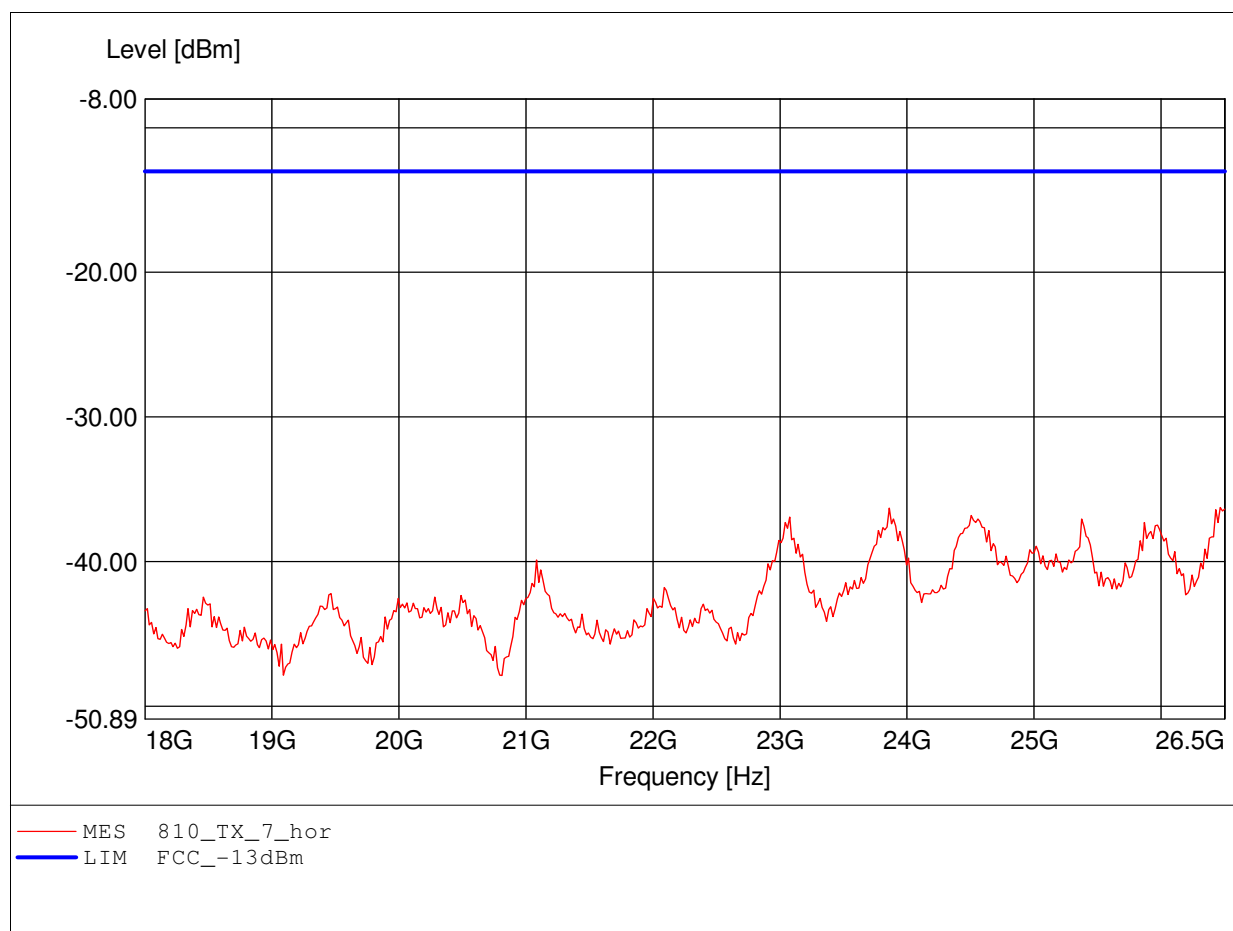
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 810
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 17.615GHz, Pmax: -33.39dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

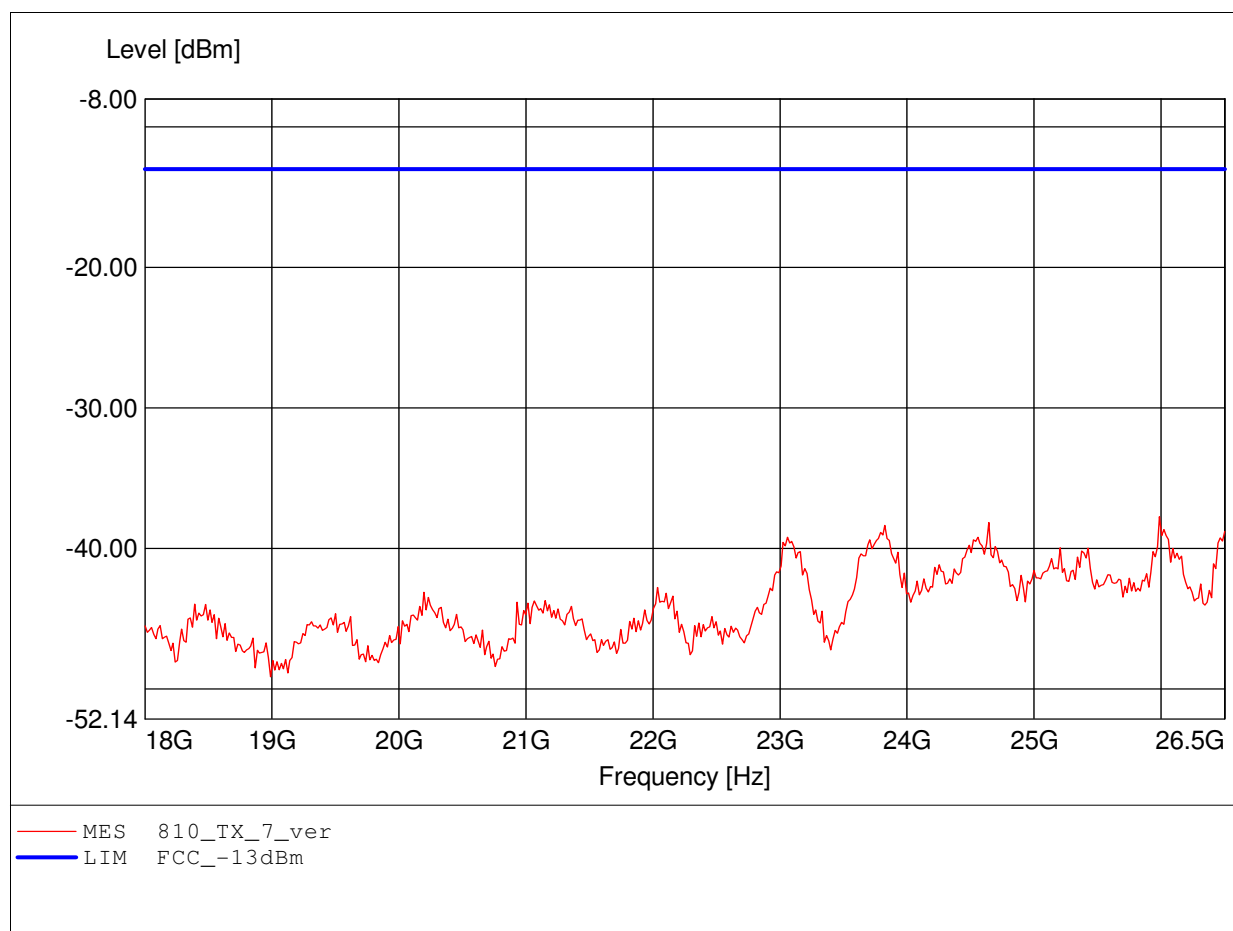
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 810
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 26.466GHz, Pmax: -36.26dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

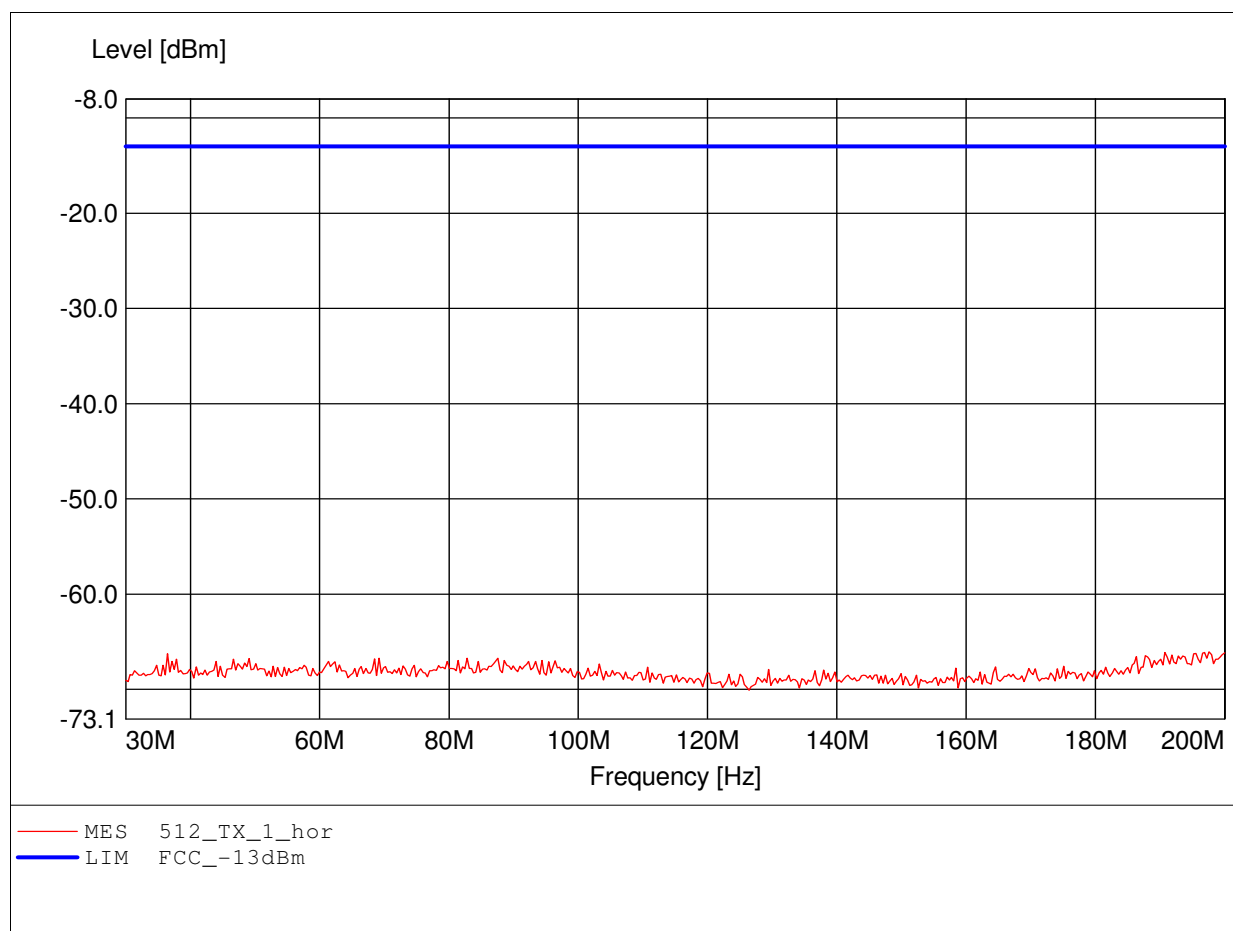
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: extern - ver
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 810
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 25.989GHz, Pmax: -37.75dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

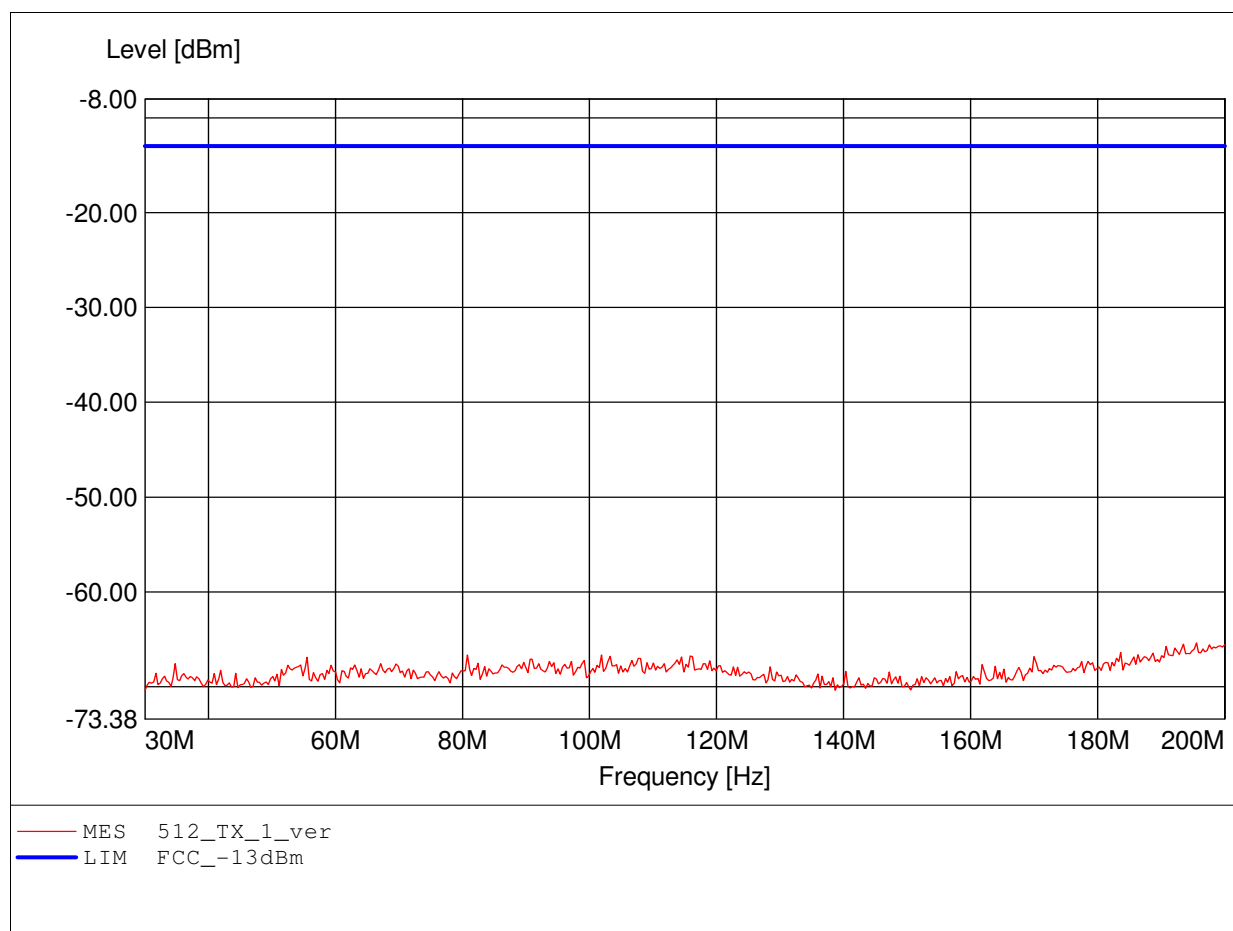
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 512
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 197.615MHz, Pmax: -66.06dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

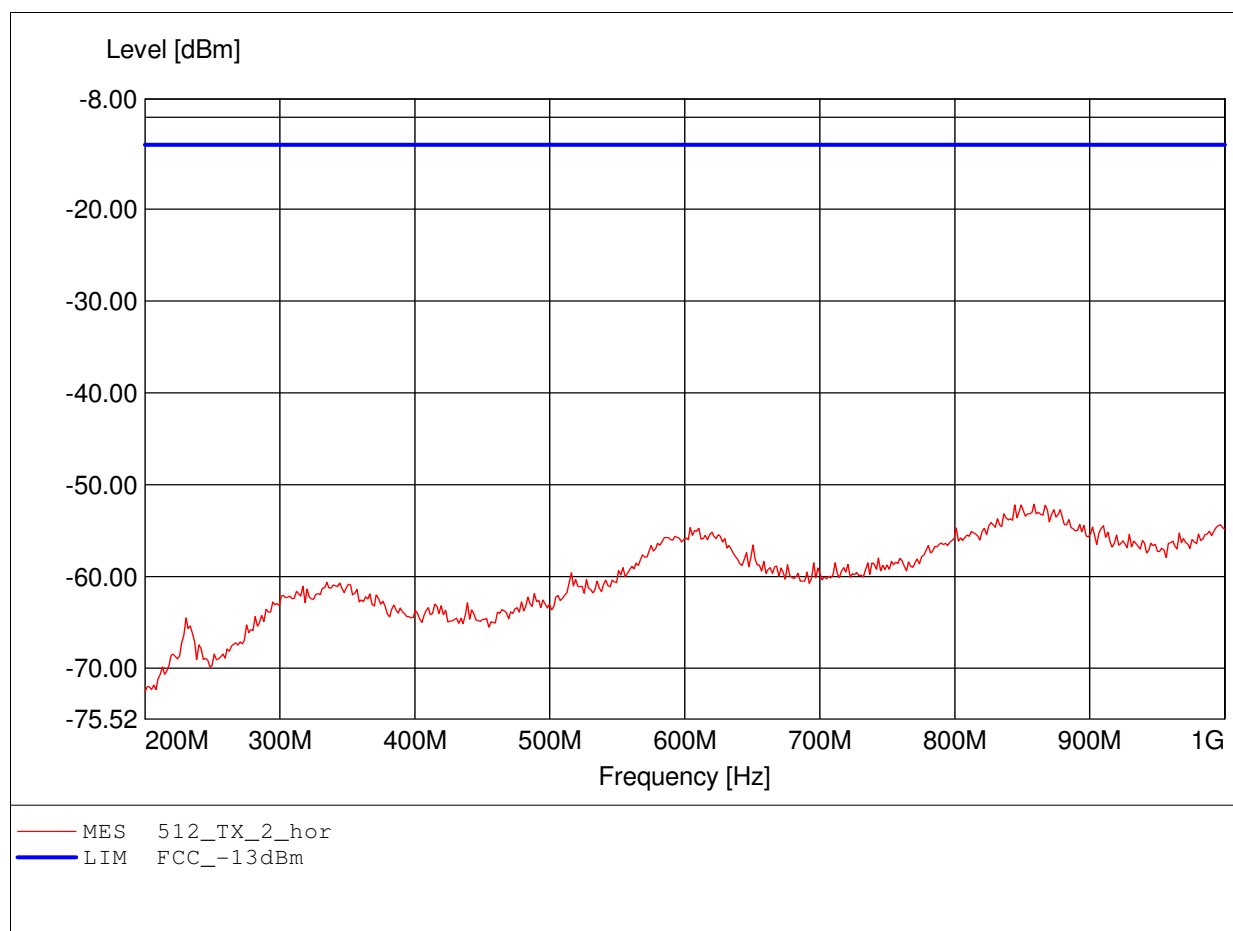
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 512
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 195.571MHz, Pmax: -65.36dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

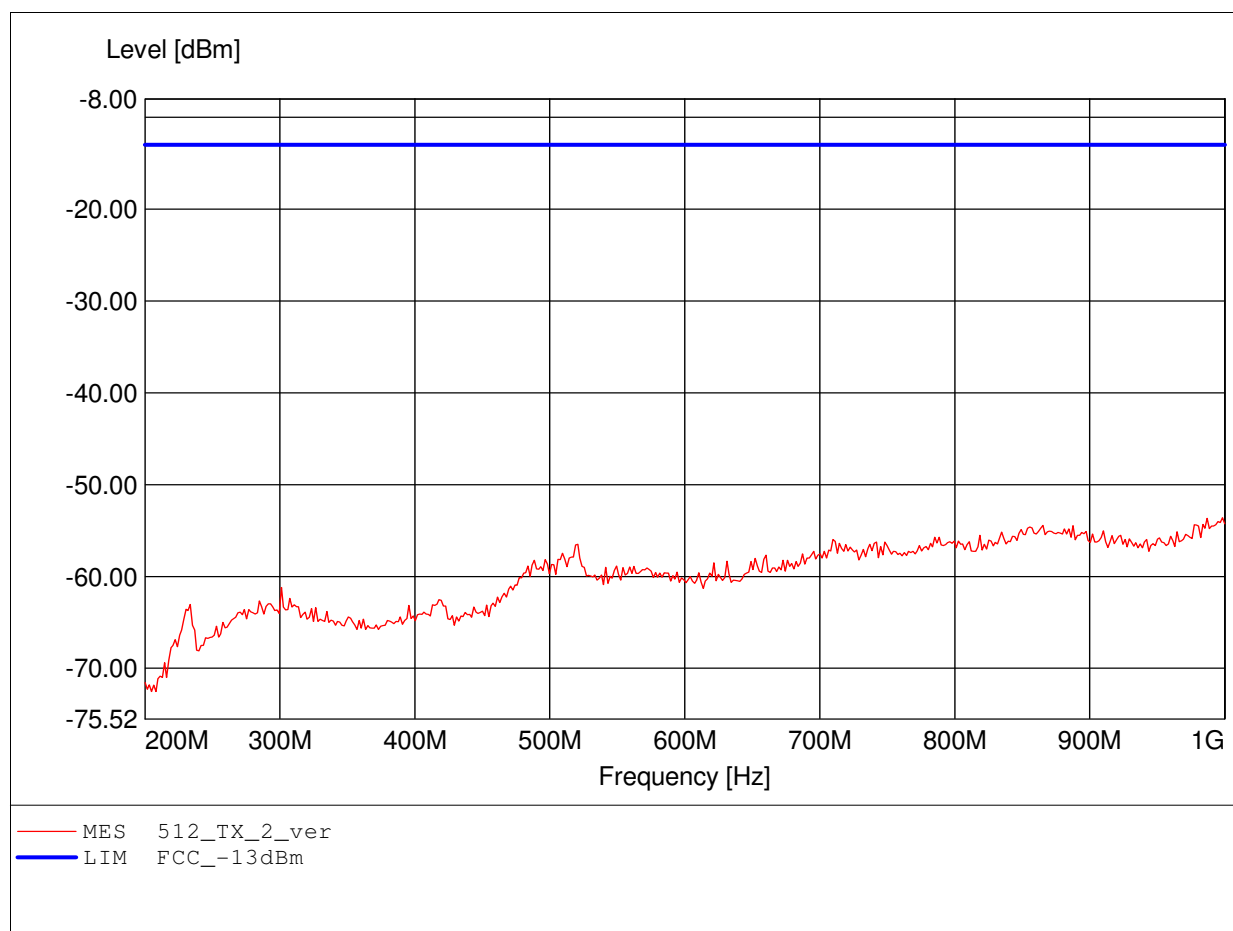
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 512
Comment 1: Dist.: 3m, Ant.: HL 223
Comment 2: Freq: 858.918MHz, Pmax: -52.13dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

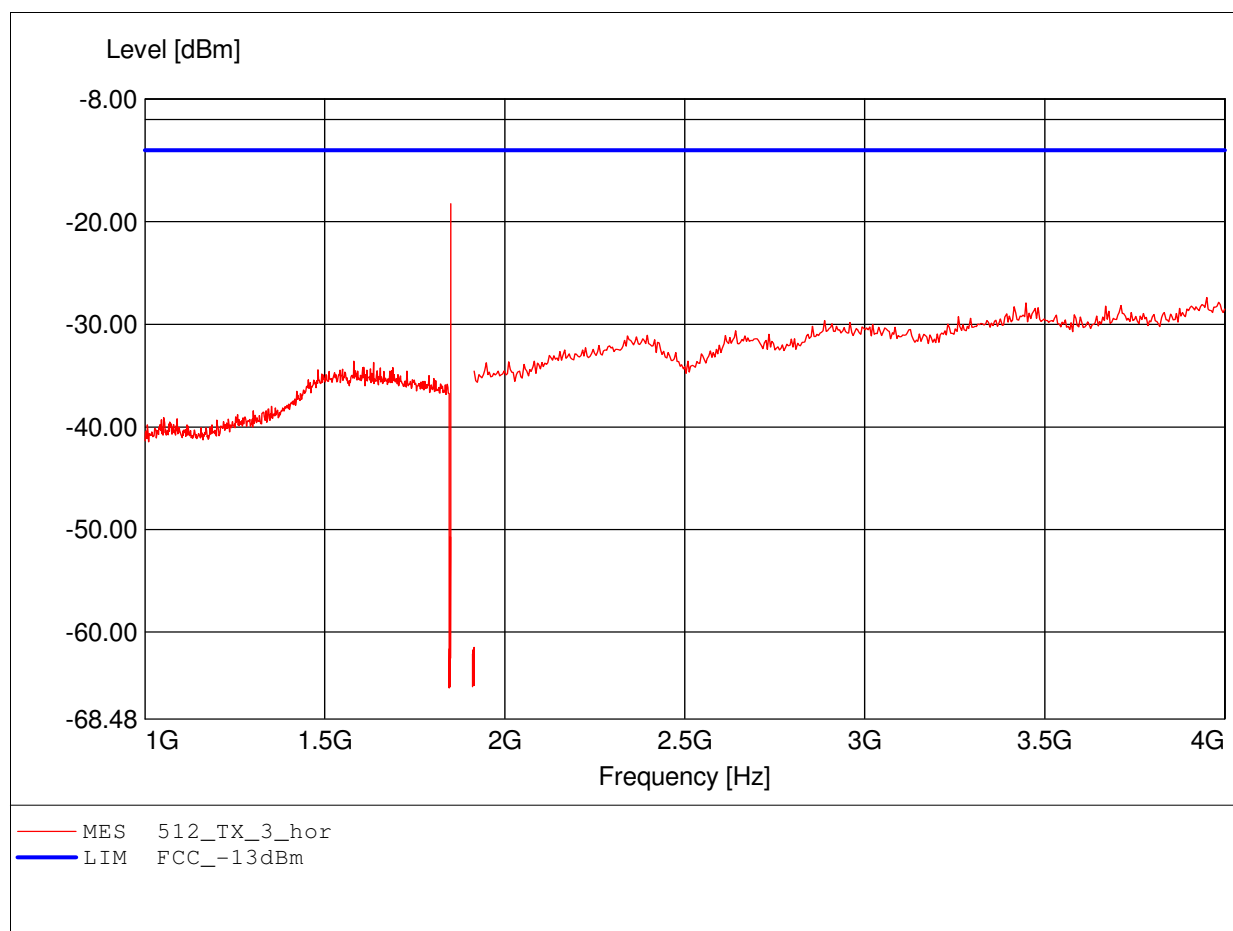
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 512
Comment 1: Dist.: 3m, Ant.: HL 223
Comment 2: Freq: 998.397MHz, Pmax: -53.61dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

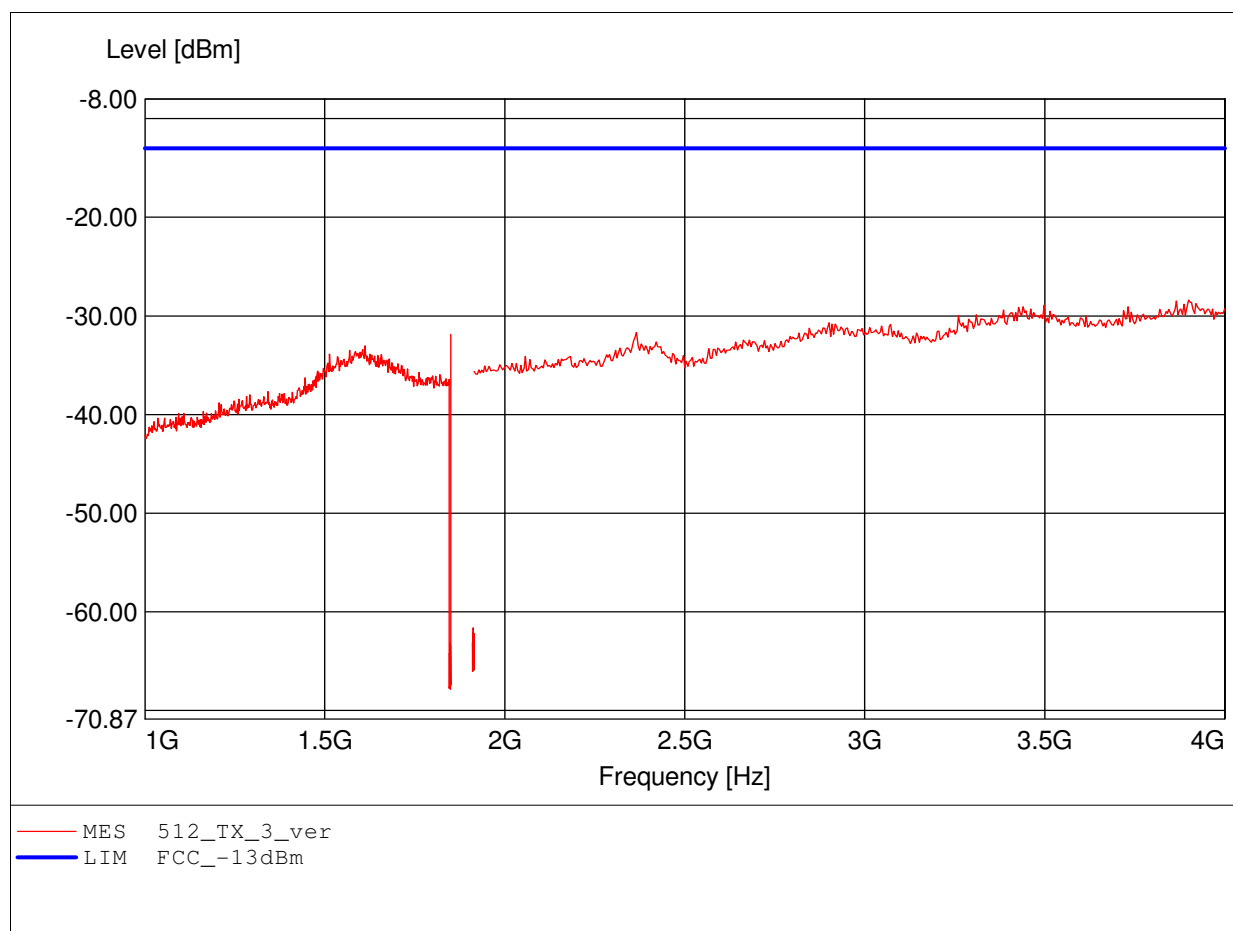
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 512
Comment 1: Dist.: 3m, Ant.: HL025
Comment 2: Freq: 1.850GHz, Pmax: -18.22dBm, RBW: 1MHz/3kHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

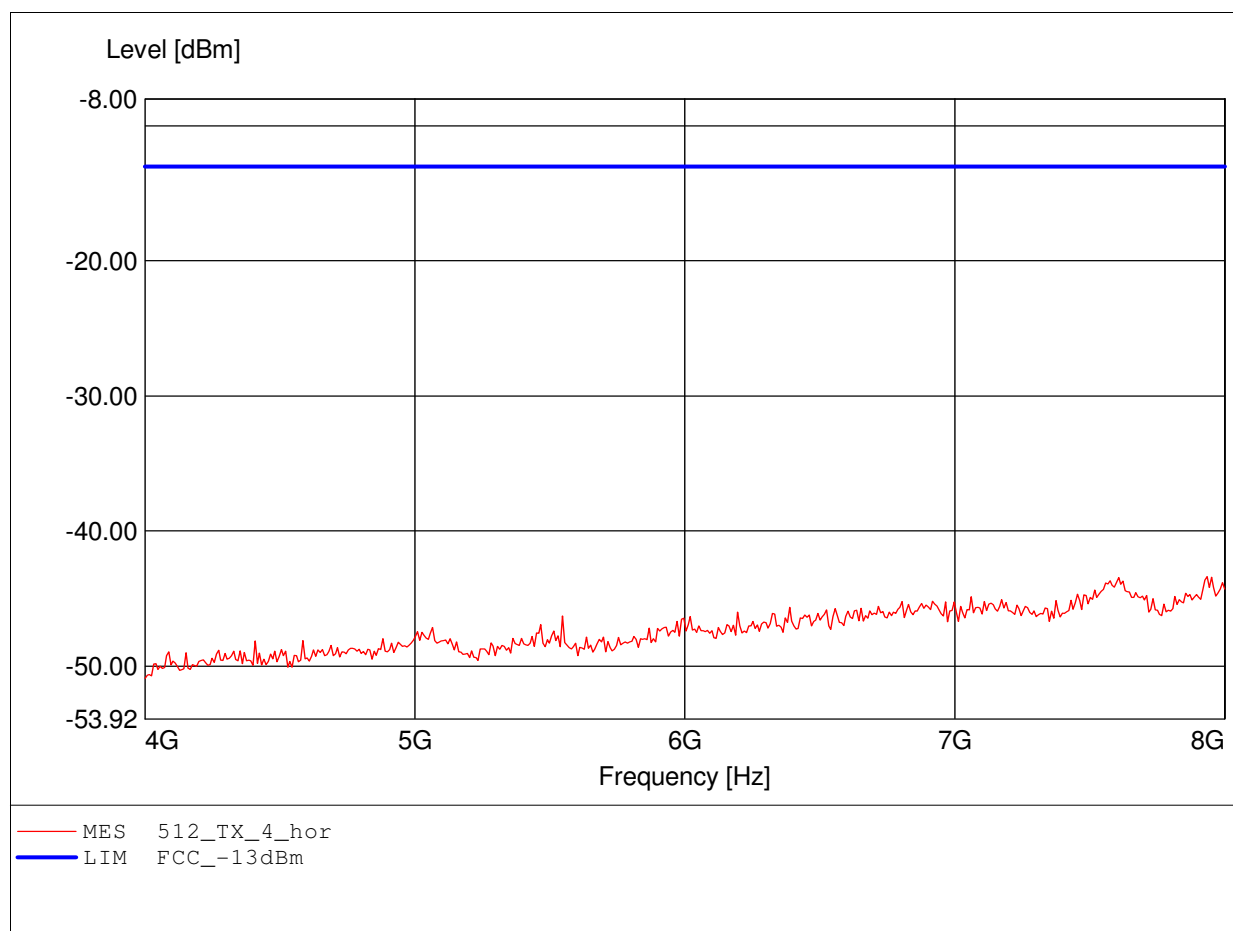
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 512
Comment 1: Dist.: 3m, Ant.: HL025
Comment 2: Freq: 3.900GHz, Pmax: -28.41dBm, RBW: 1MHz/3kHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

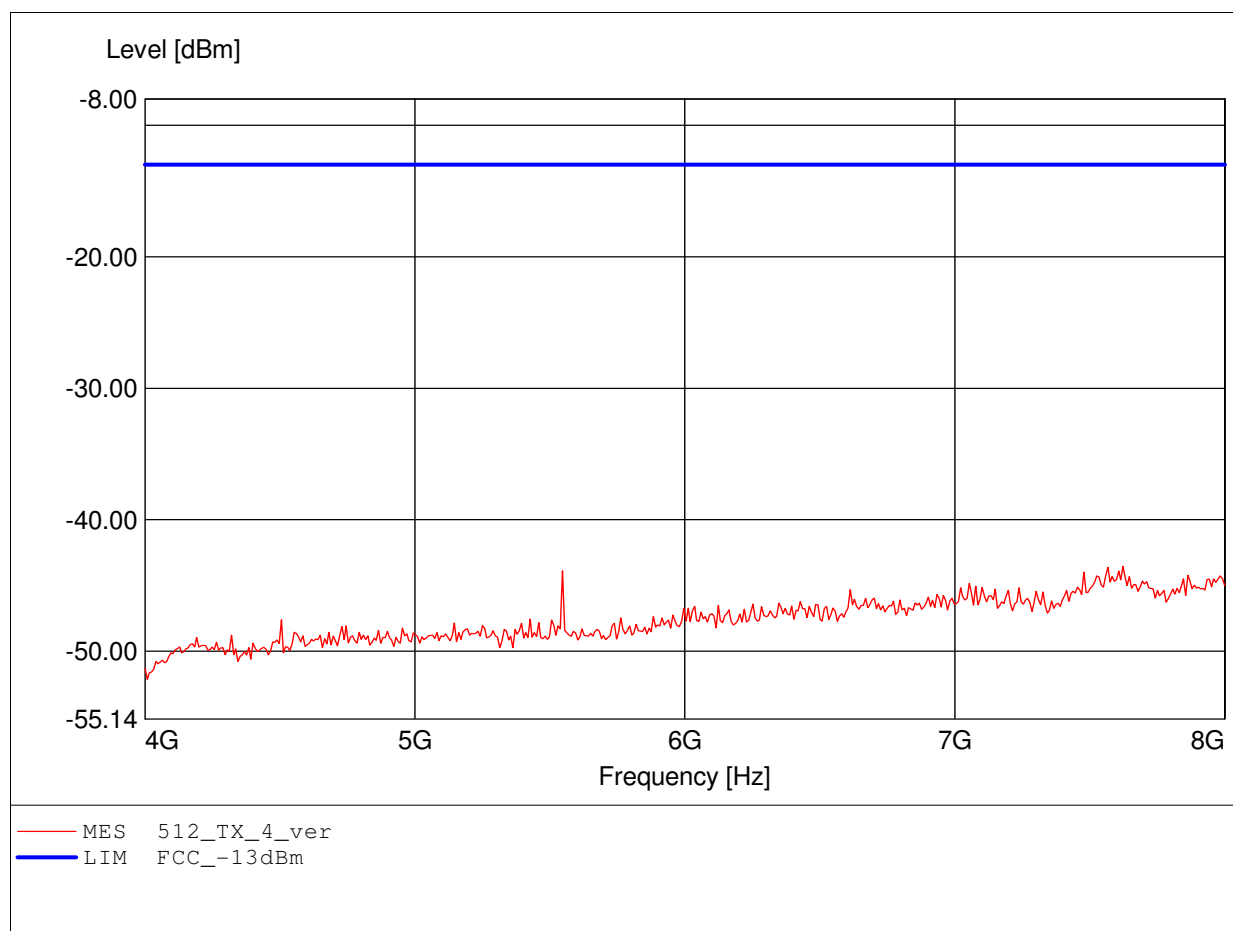
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 512
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 7.936GHz, Pmax: -43.37dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

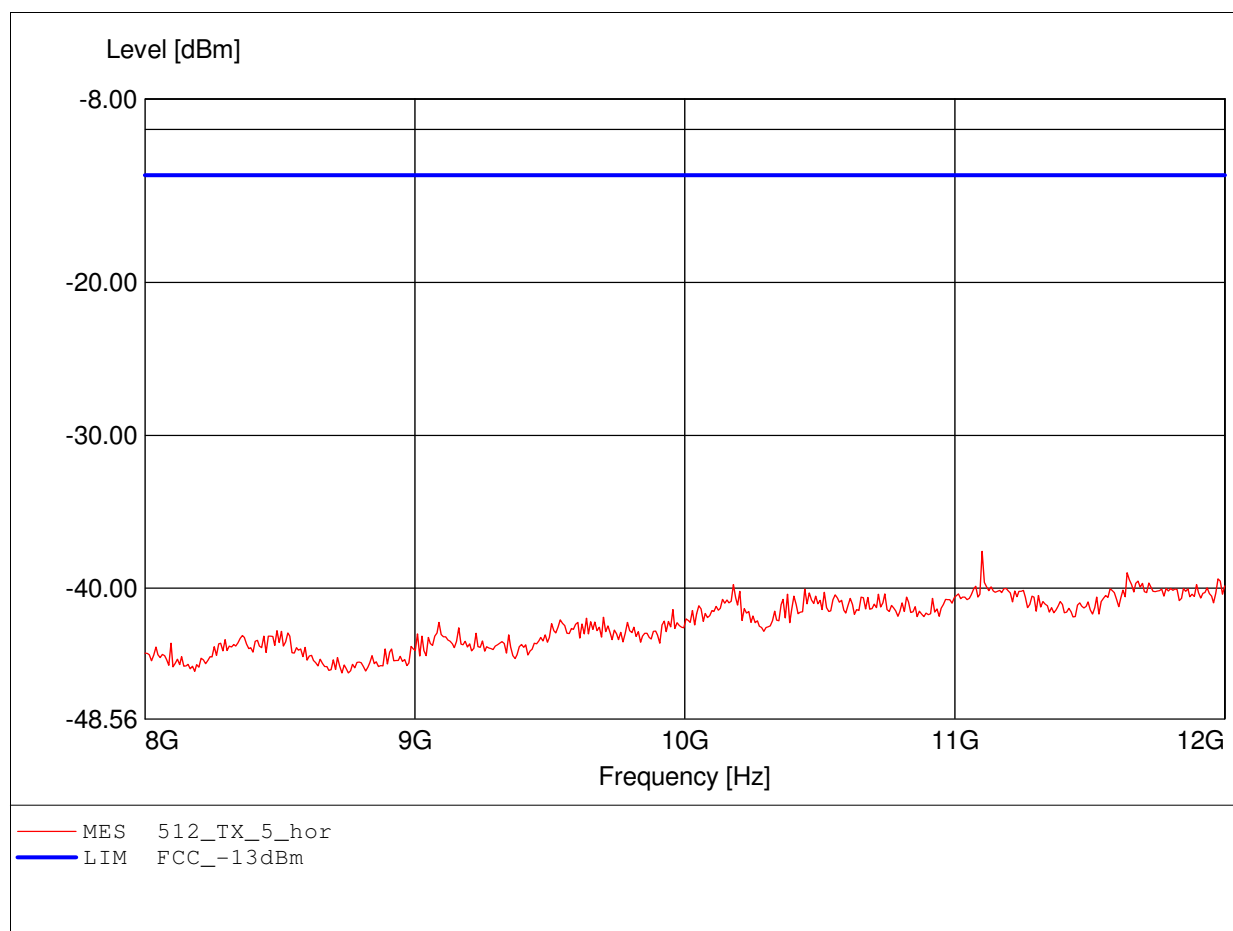
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 512
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 7.623GHz, Pmax: -43.56dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

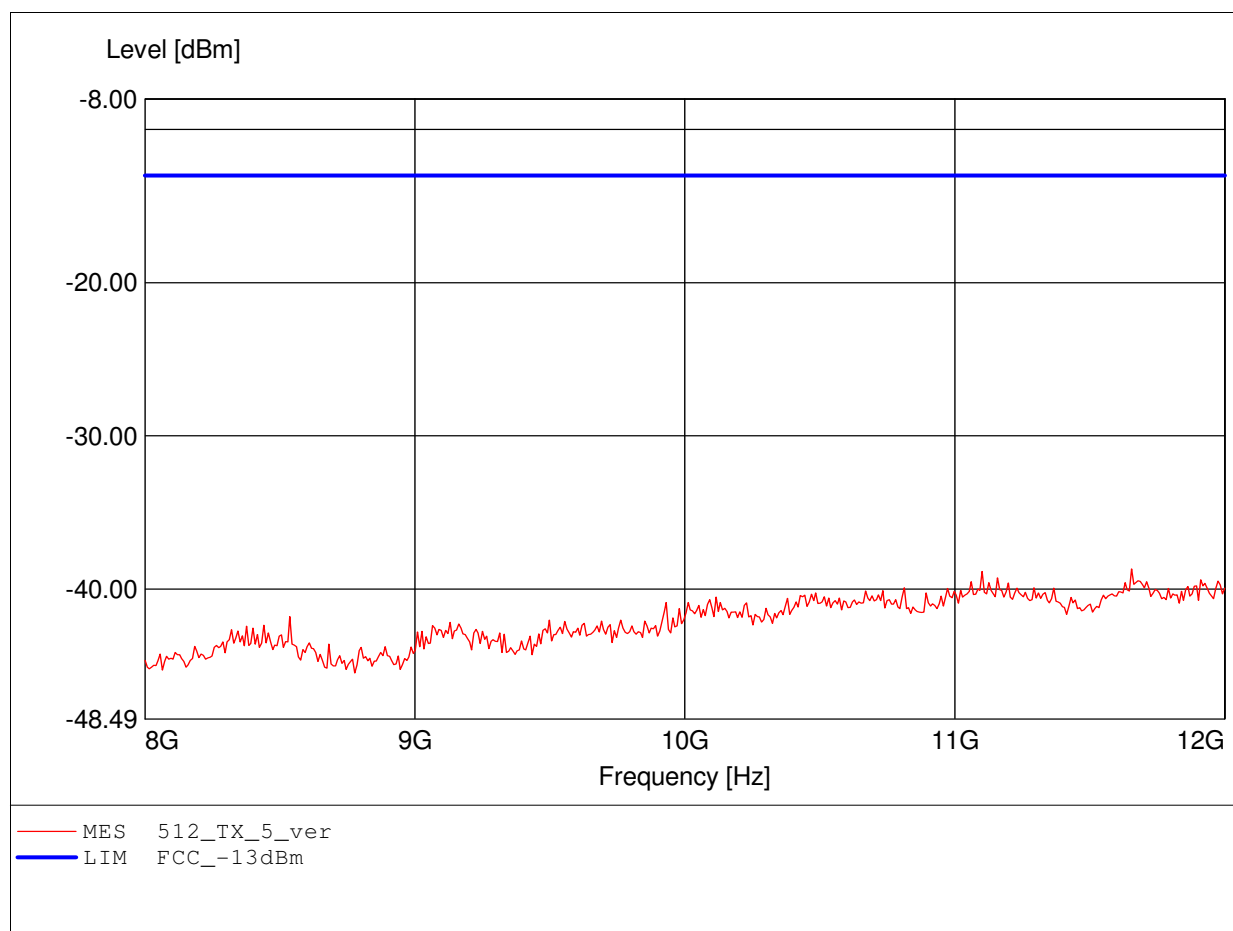
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 512
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 11.102GHz, Pmax: -37.60dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

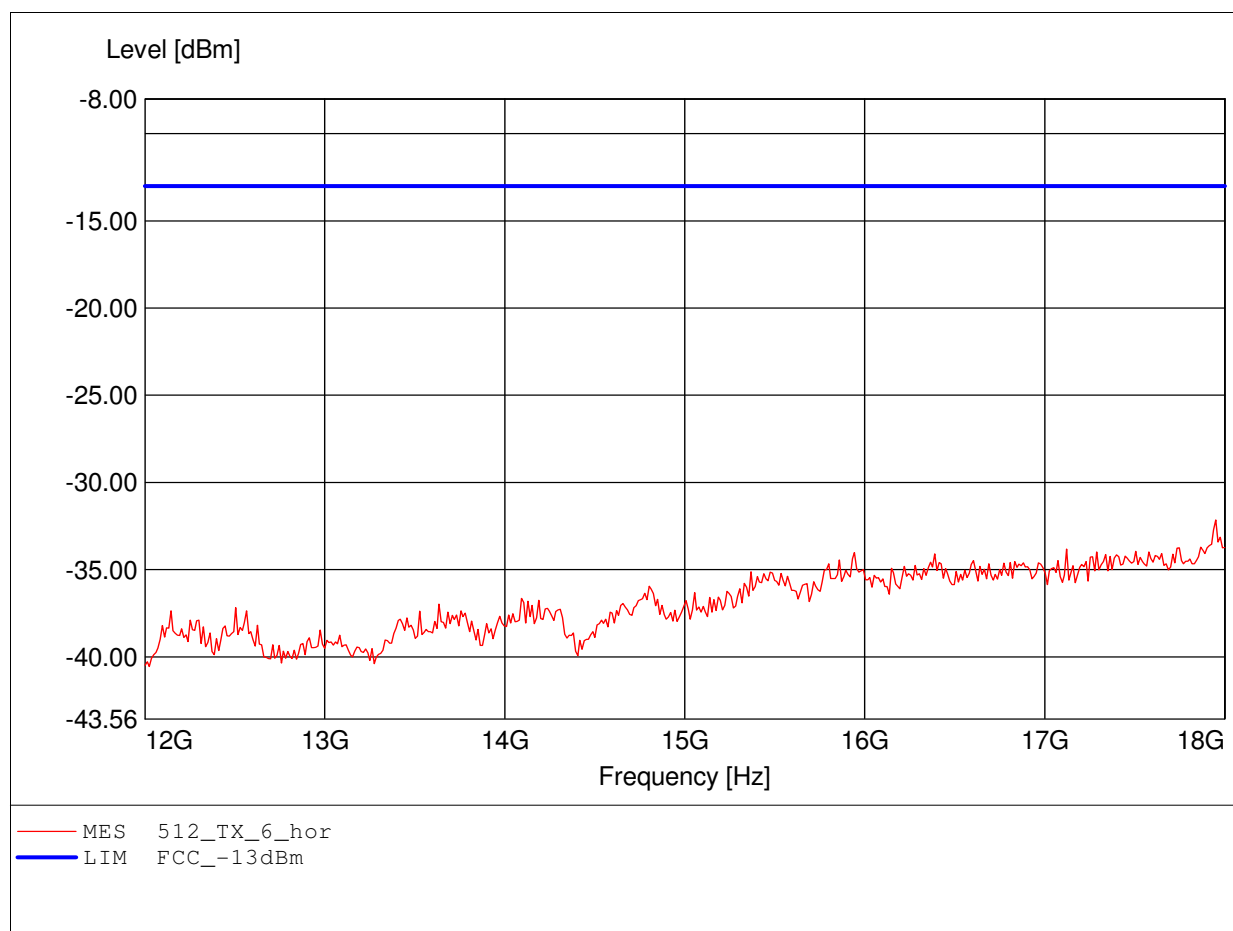
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 512
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 11.655GHz, Pmax: -38.69dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

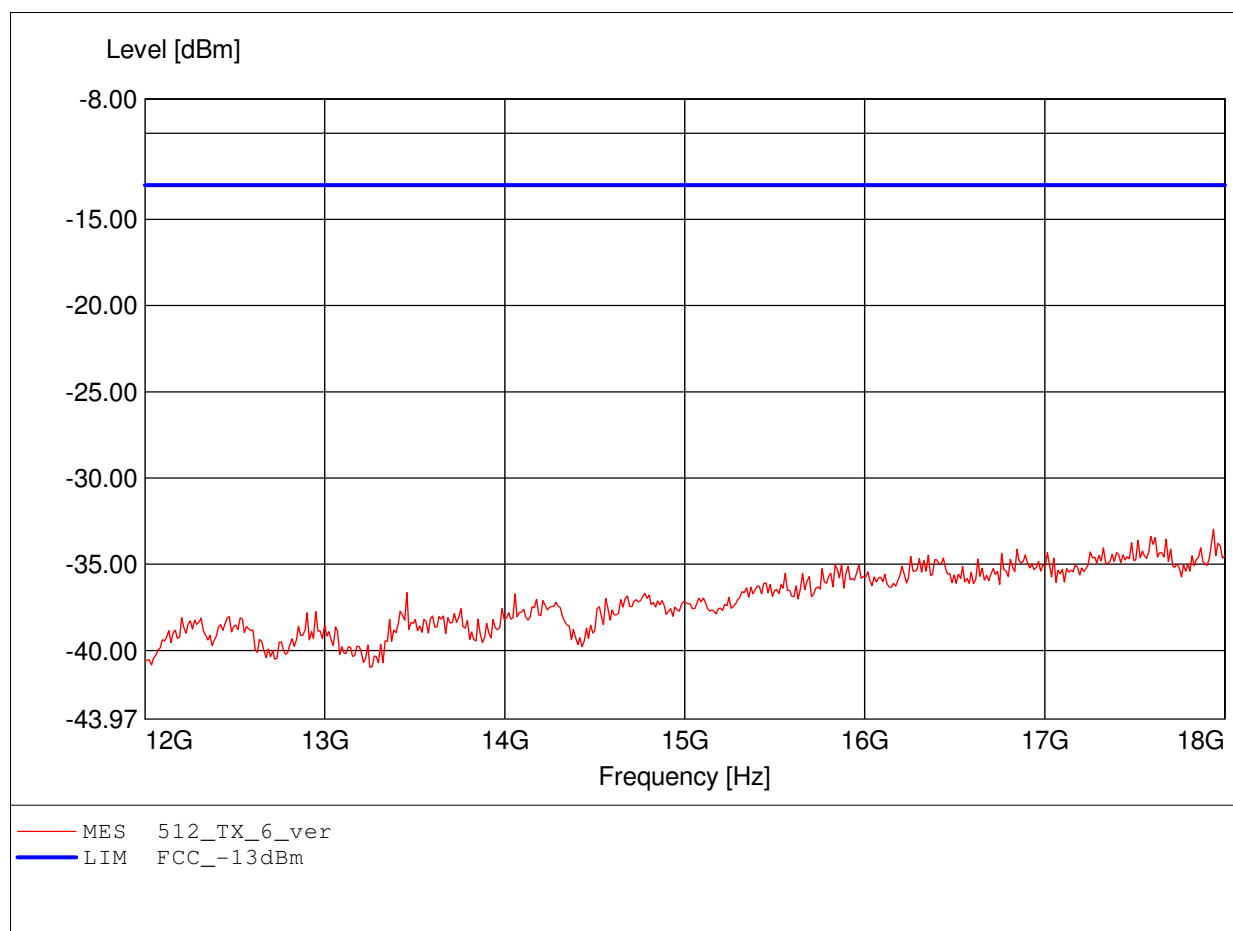
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 512
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 17.952GHz, Pmax: -32.14dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

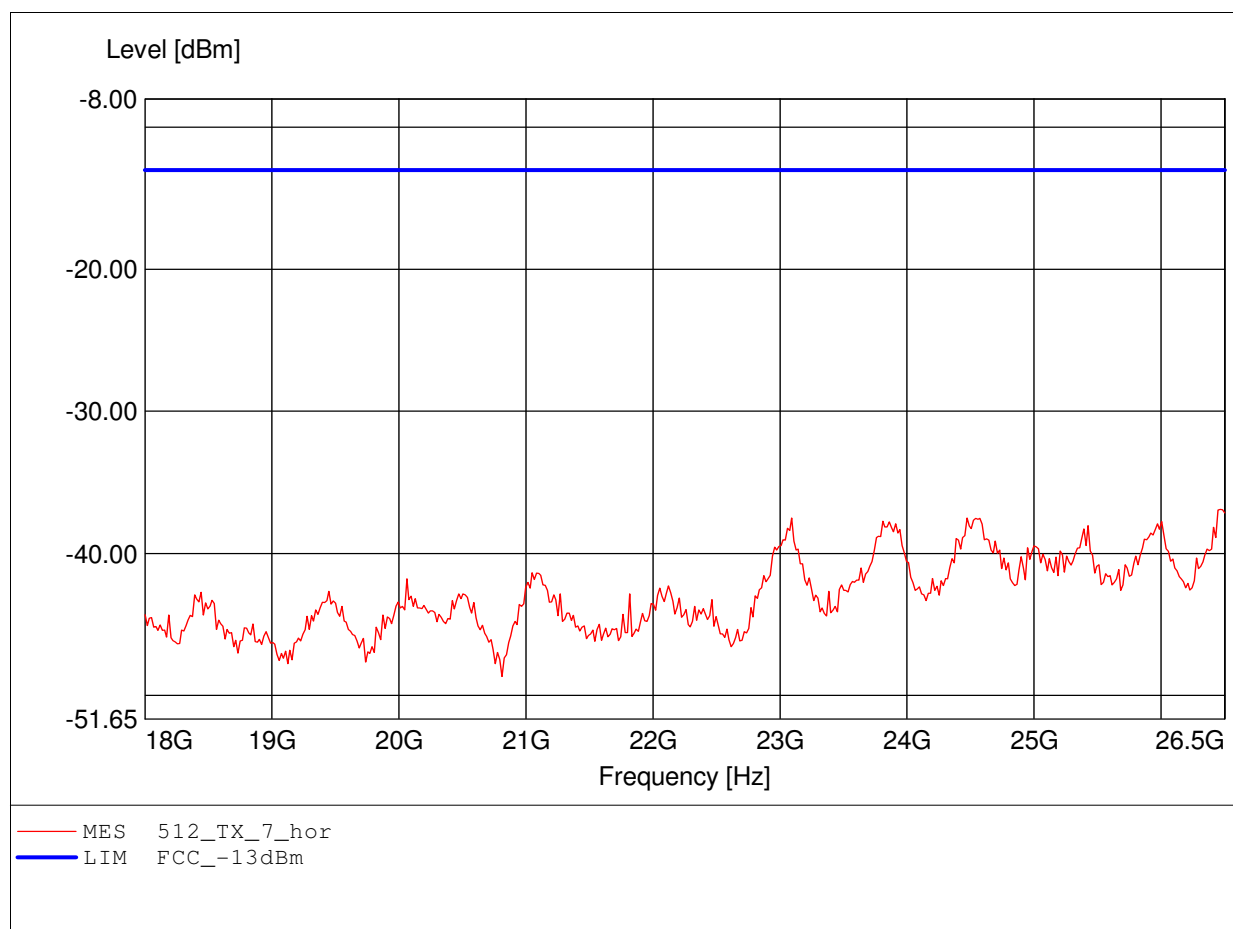
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 512
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 17.940GHz, Pmax: -32.96dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

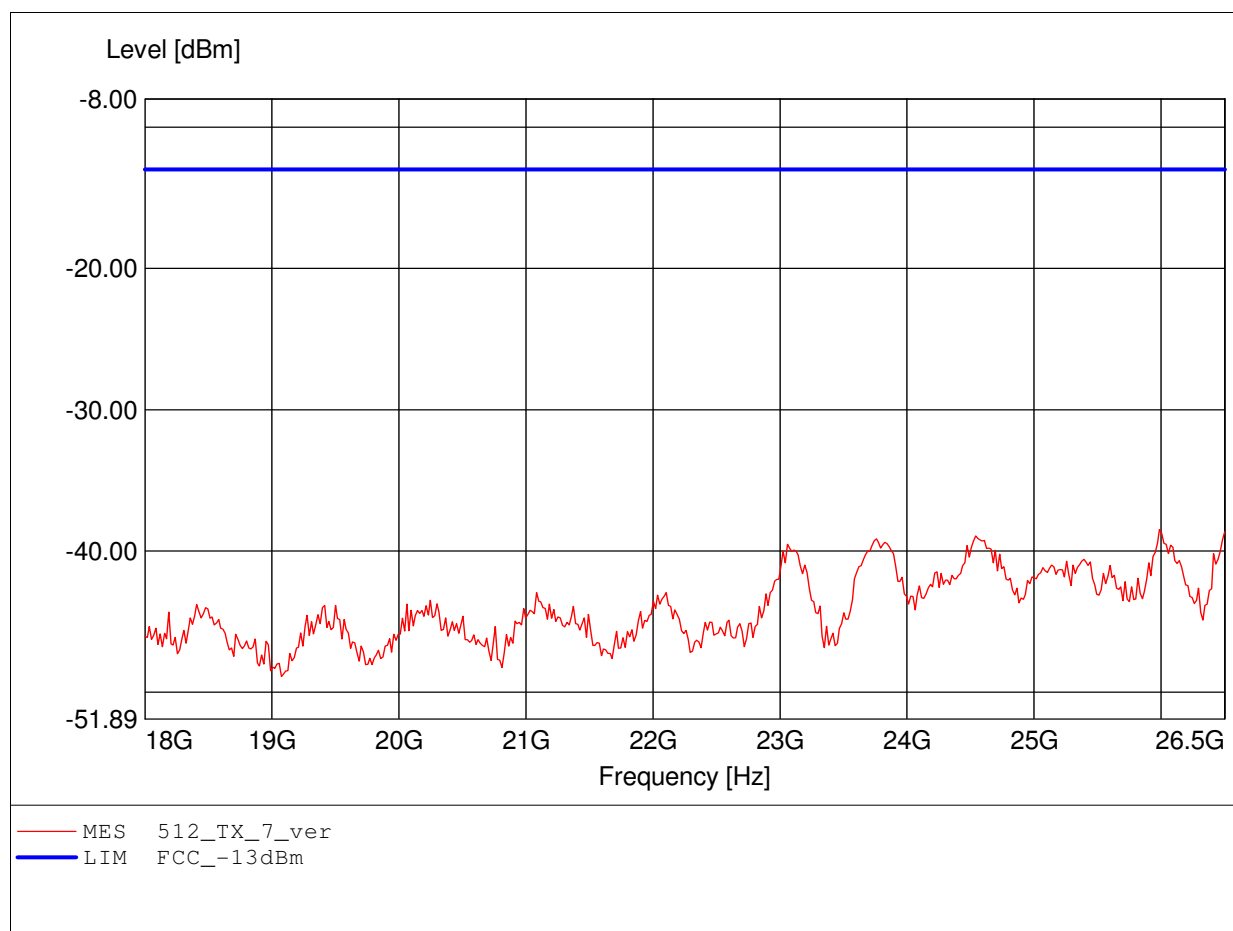
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 512
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 26.466GHz, Pmax: -36.90dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

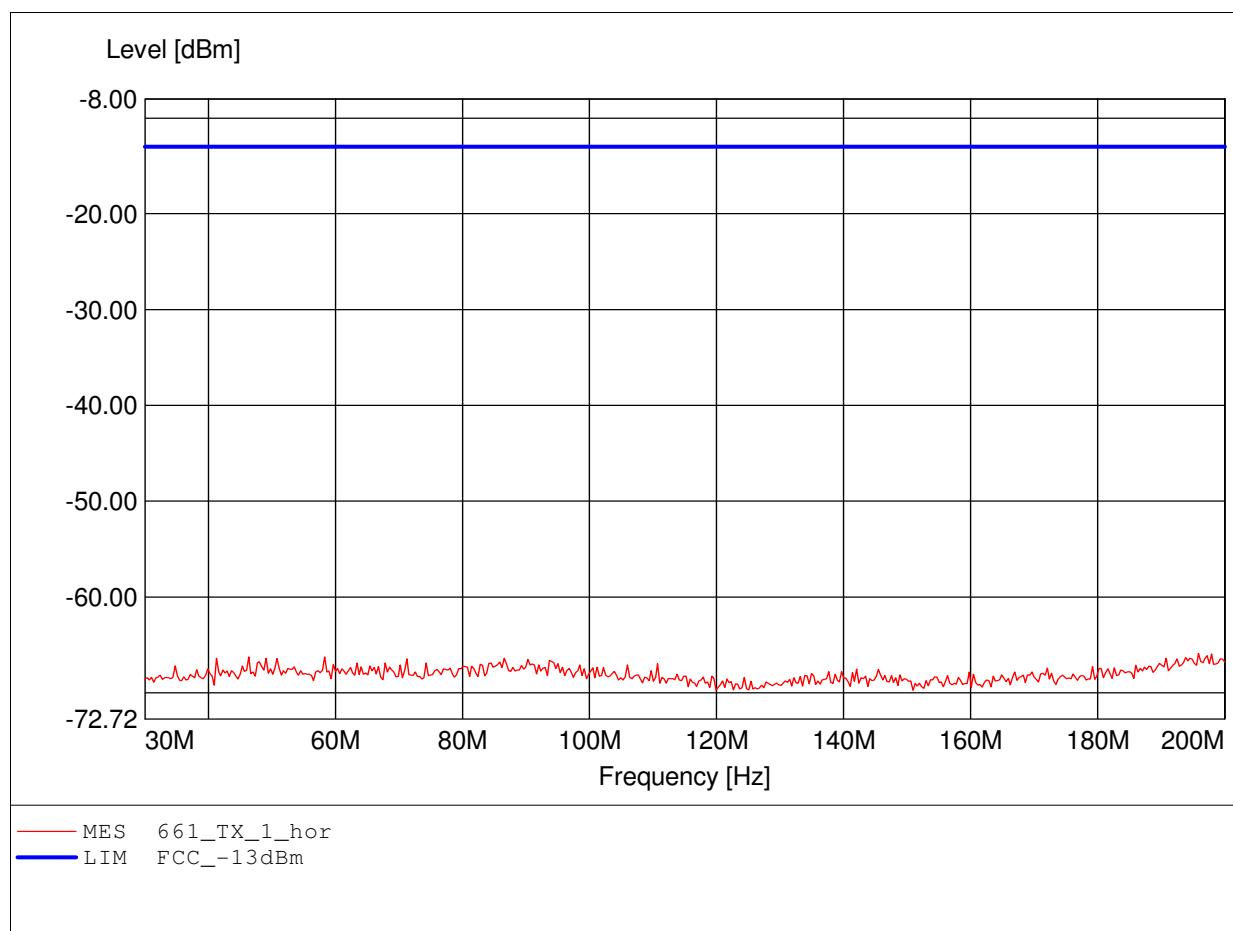
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 512
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 25.989GHz, Pmax: -38.47dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

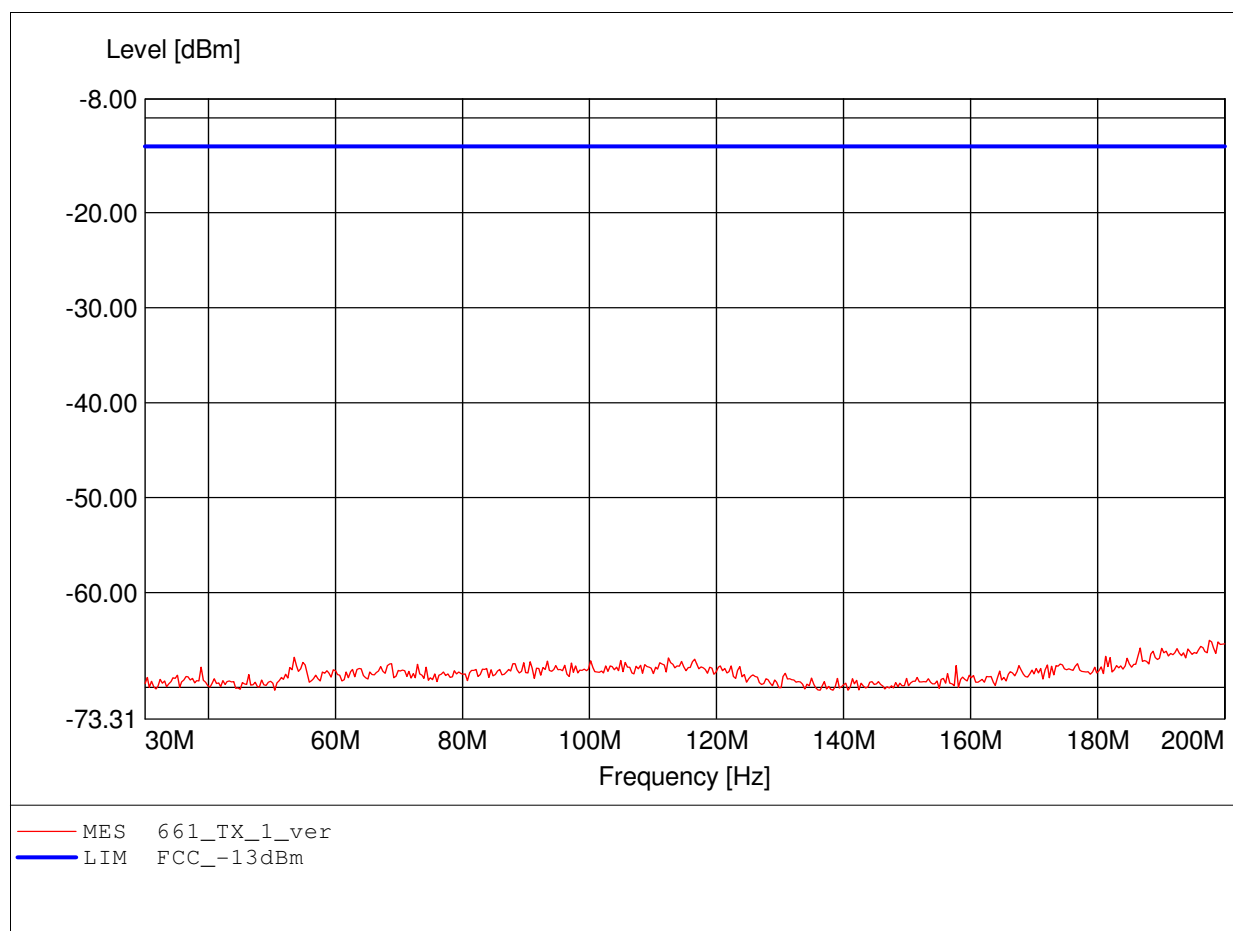
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 661
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 195.912MHz, Pmax: -65.89dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

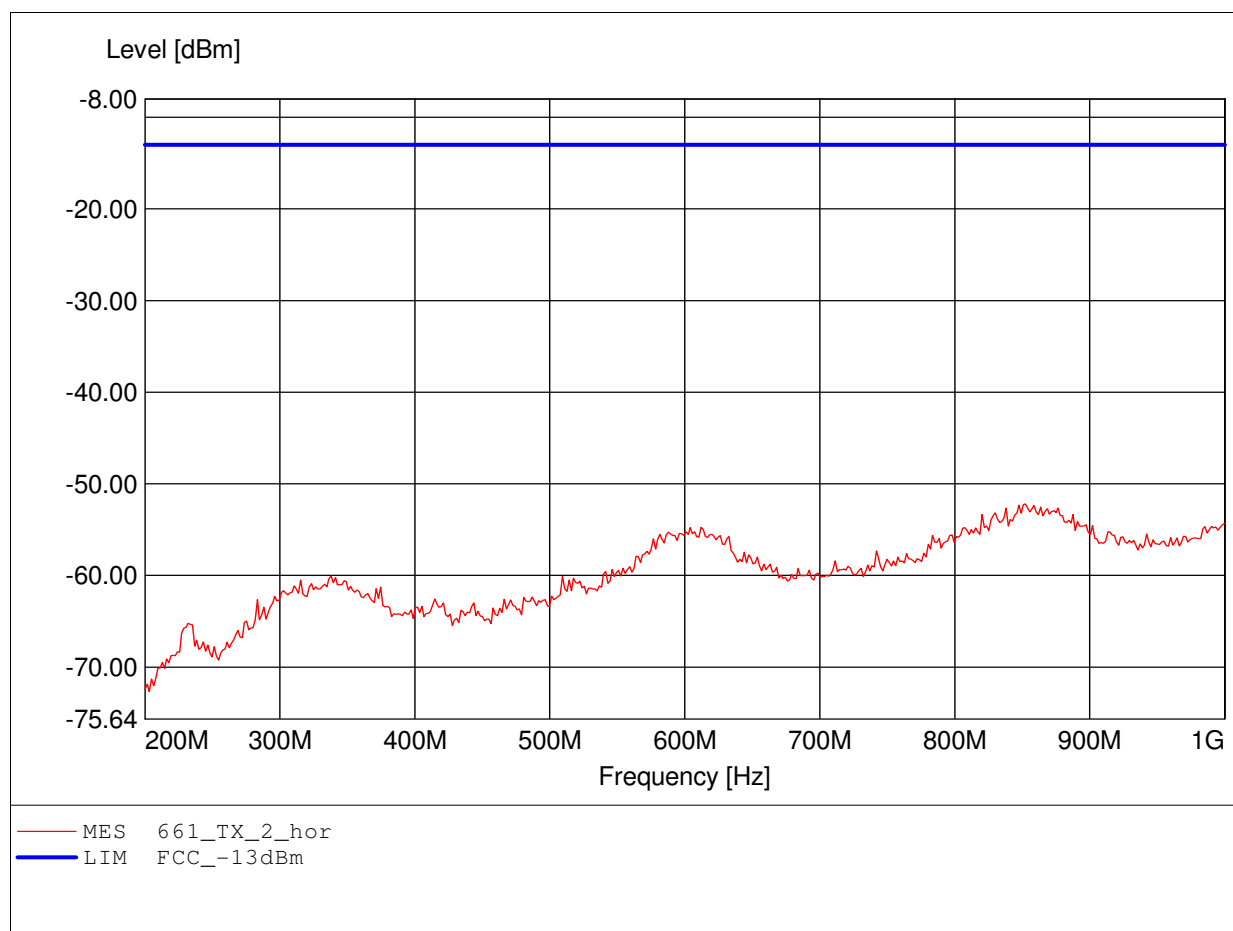
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 661
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 197.615MHz, Pmax: -65.04dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

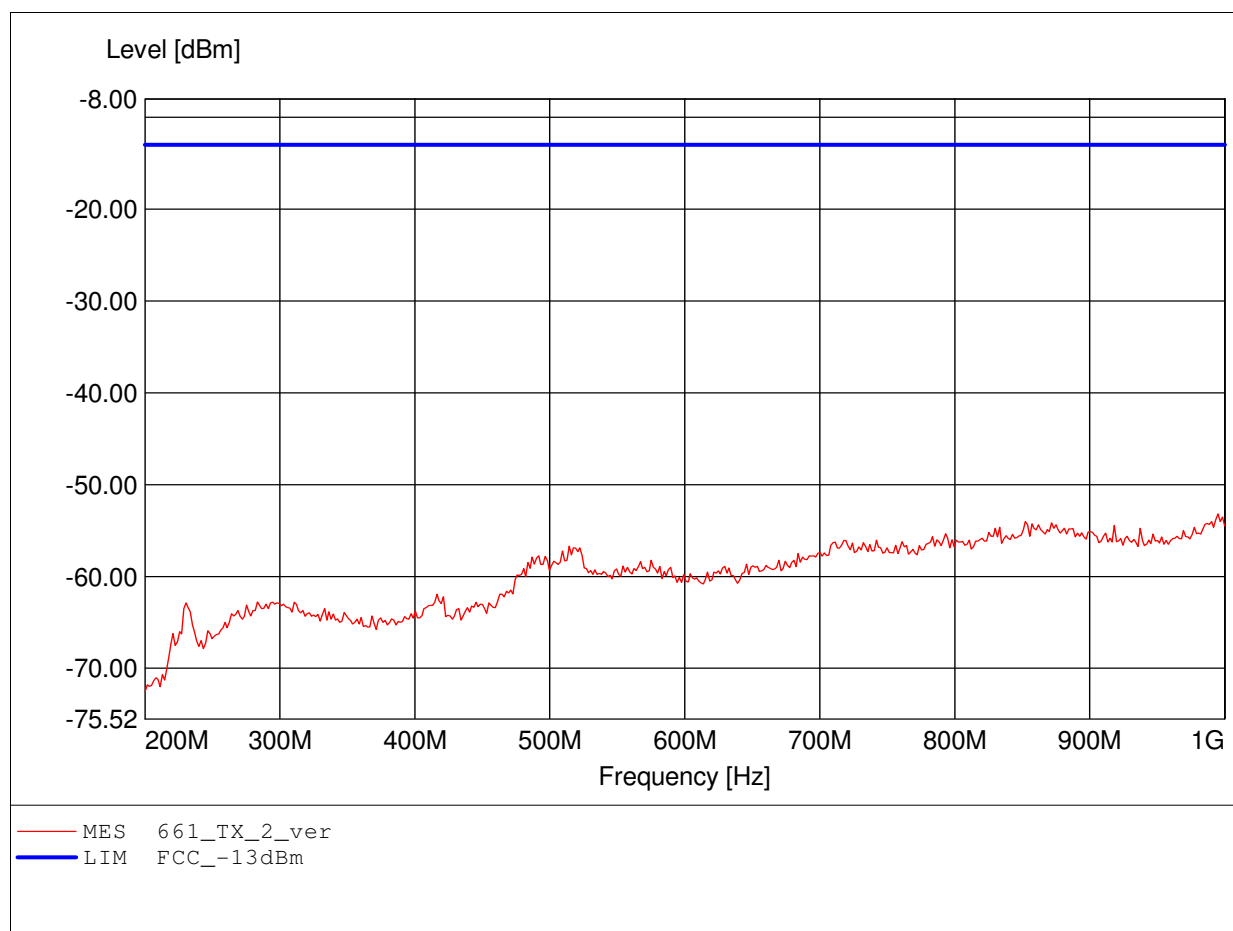
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 661
Comment 1: Dist.: 3m, Ant.: HL 223
Comment 2: Freq: 852.505MHz, Pmax: -52.19dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

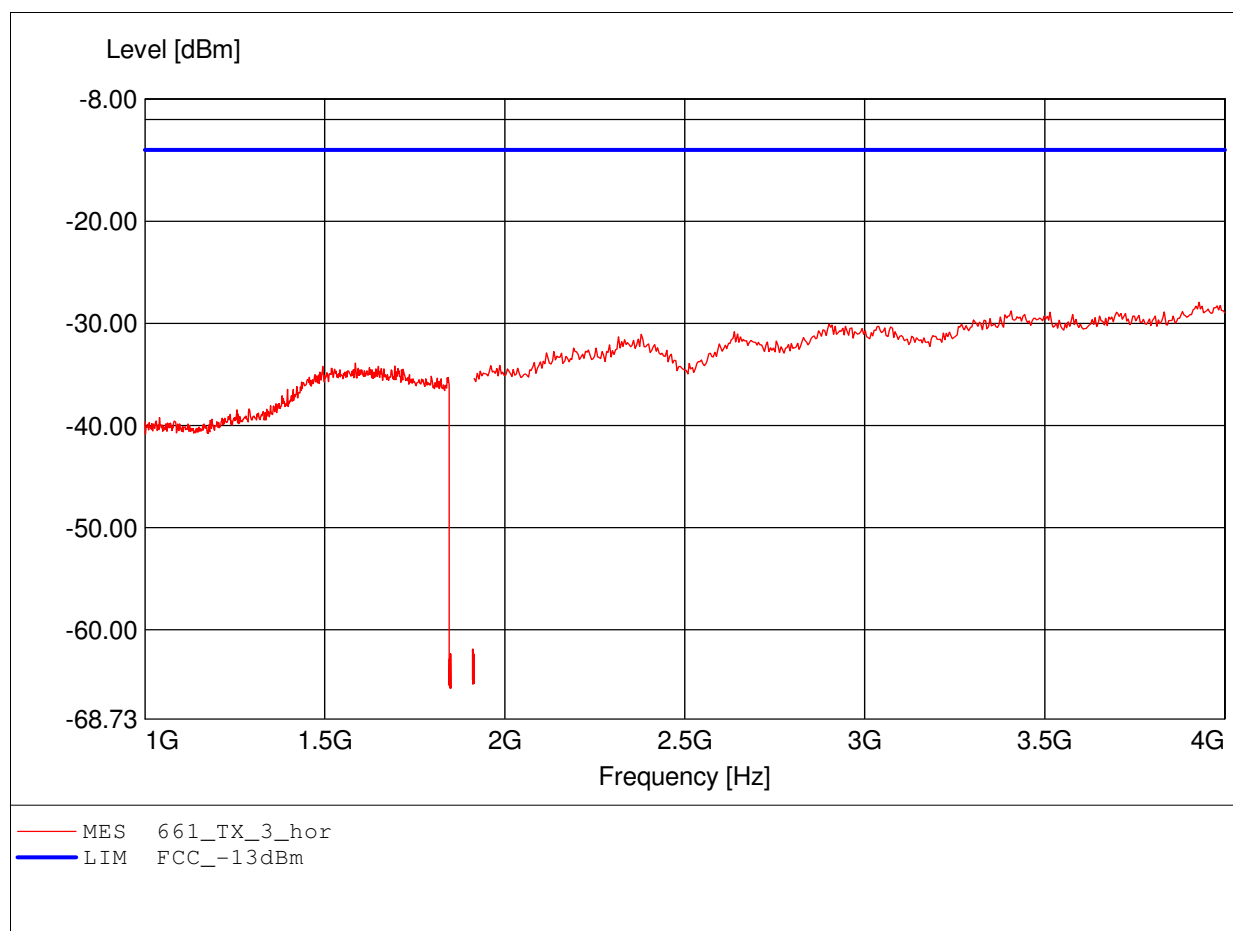
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 661
Comment 1: Dist.: 3m, Ant.: HL 223
Comment 2: Freq: 995.190MHz, Pmax: -53.20dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

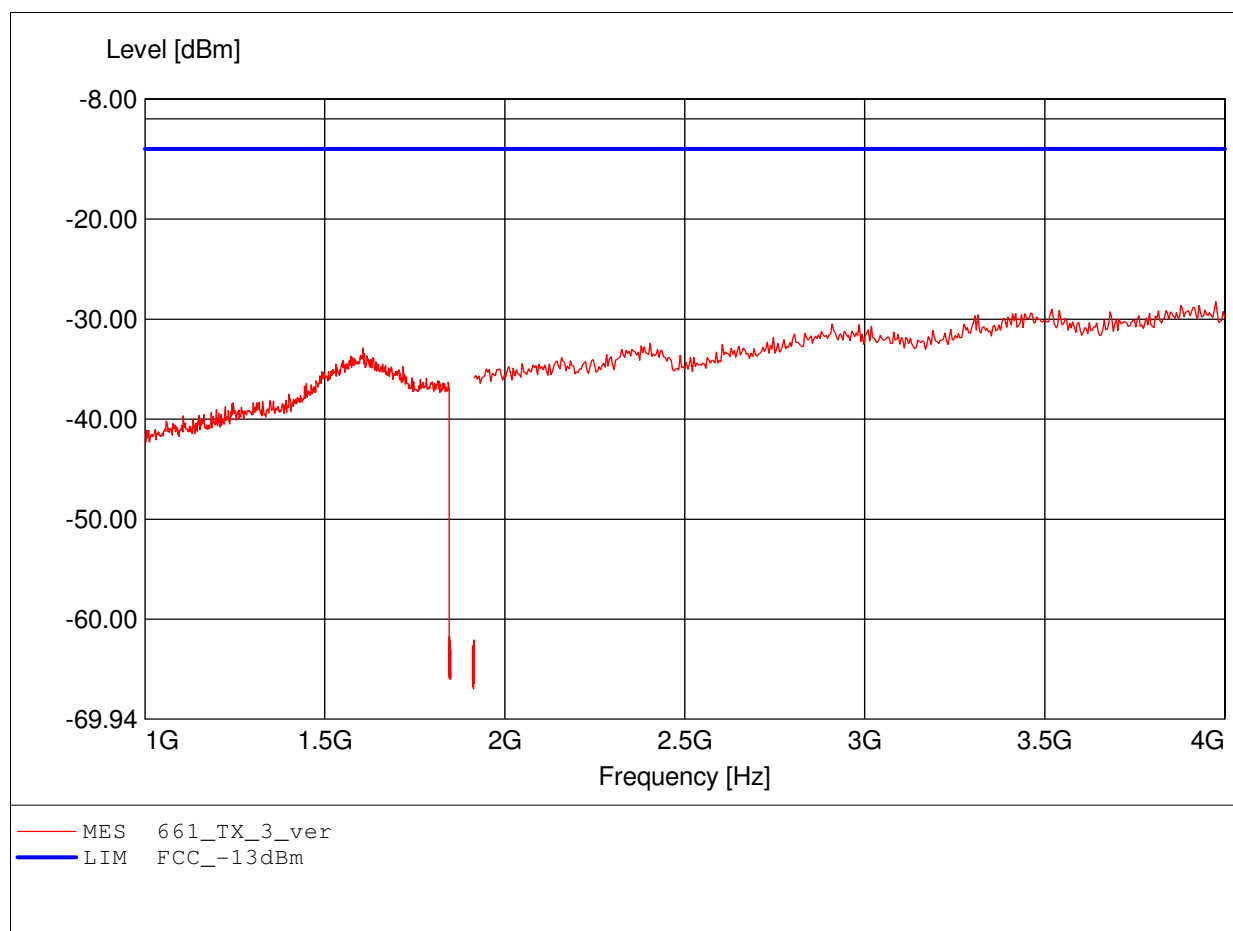
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 661
Comment 1: Dist.: 3m, Ant.: HL025
Comment 2: Freq: 3.929GHz, Pmax: -27.90dBm, RBW: 1MHz/3kHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

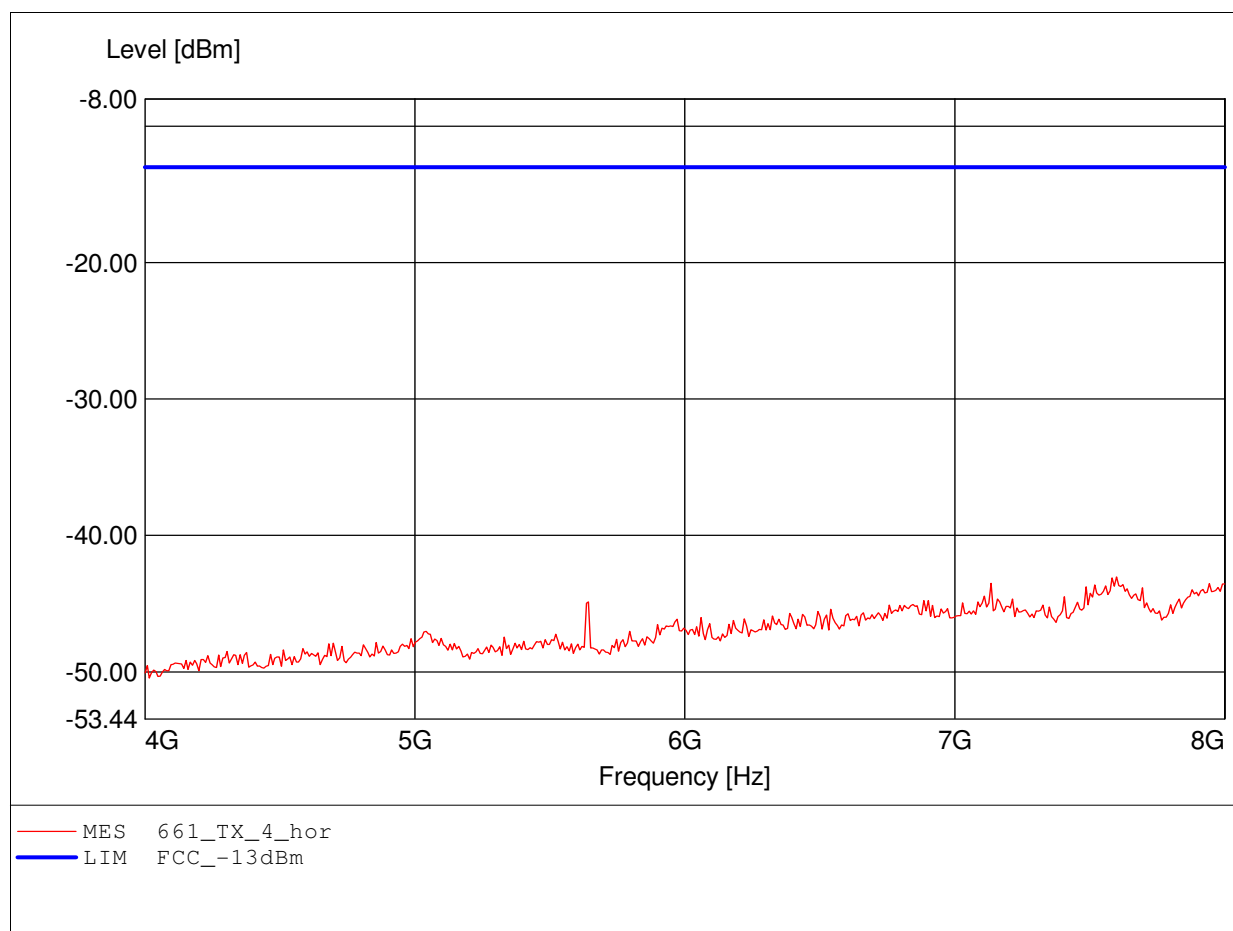
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 661
Comment 1: Dist.: 3m, Ant.: HL025
Comment 2: Freq: 3.975GHz, Pmax: -28.26dBm, RBW: 1MHz/3kHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

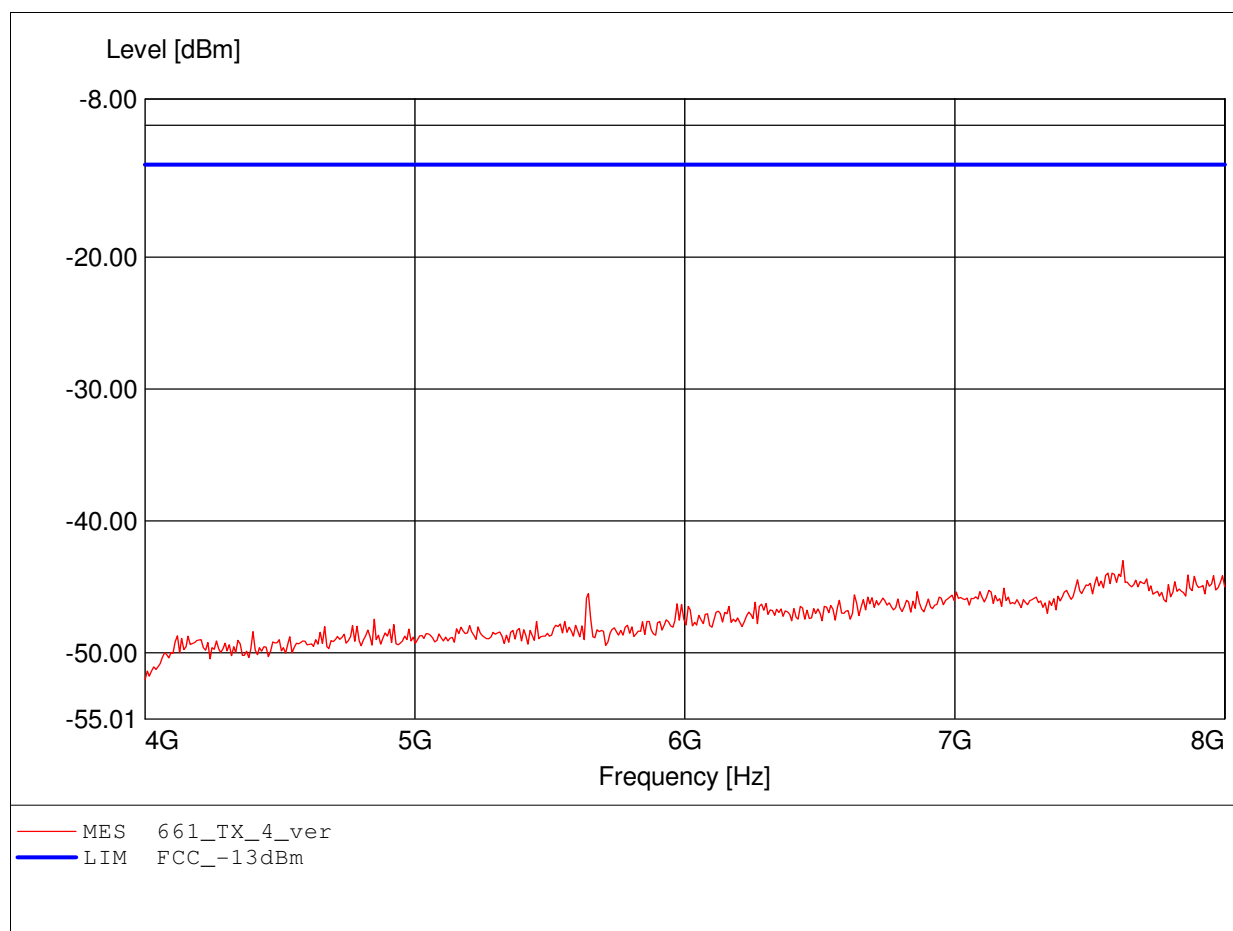
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 661
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 7.599GHz, Pmax: -43.04dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

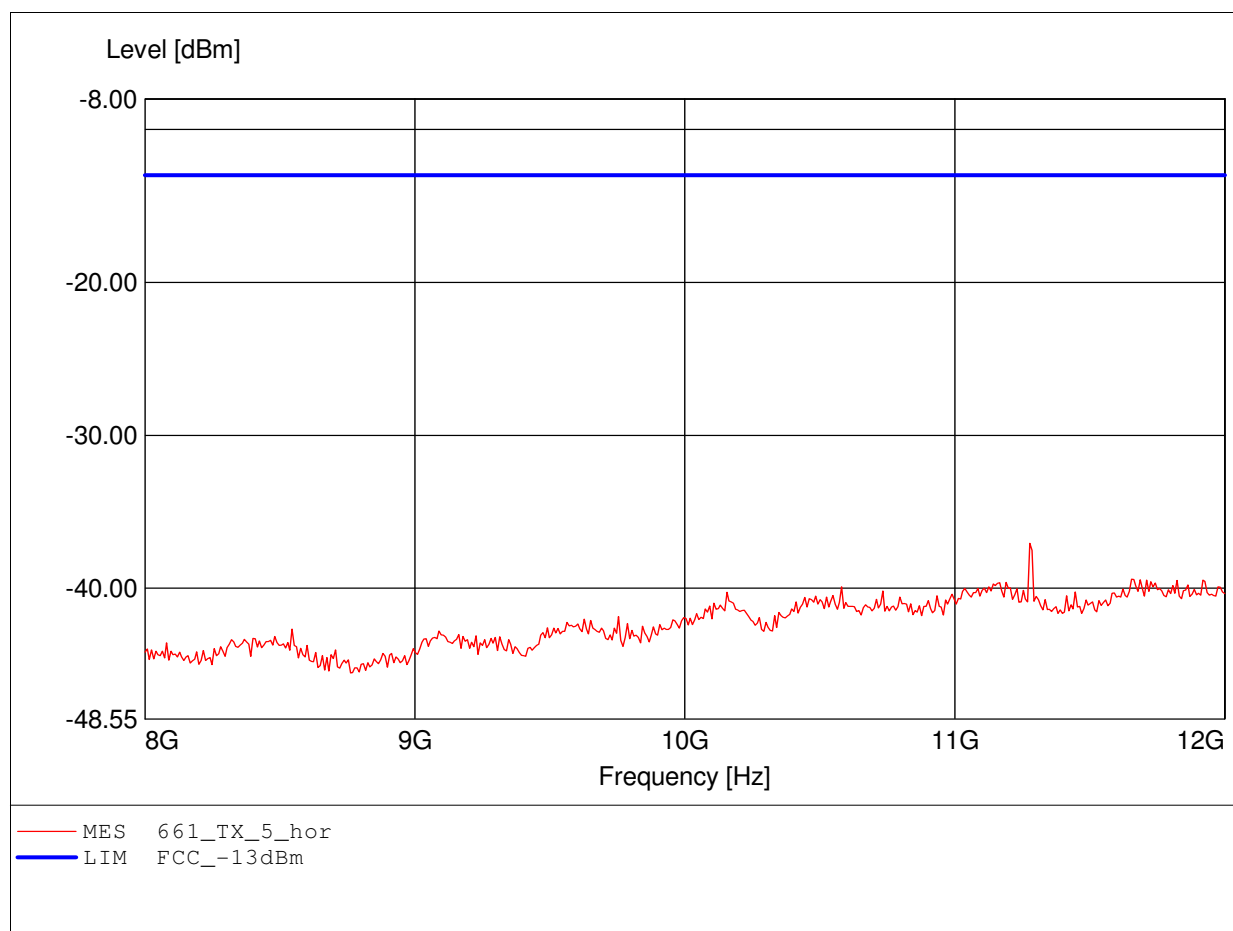
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 661
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 7.623GHz, Pmax: -43.01dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

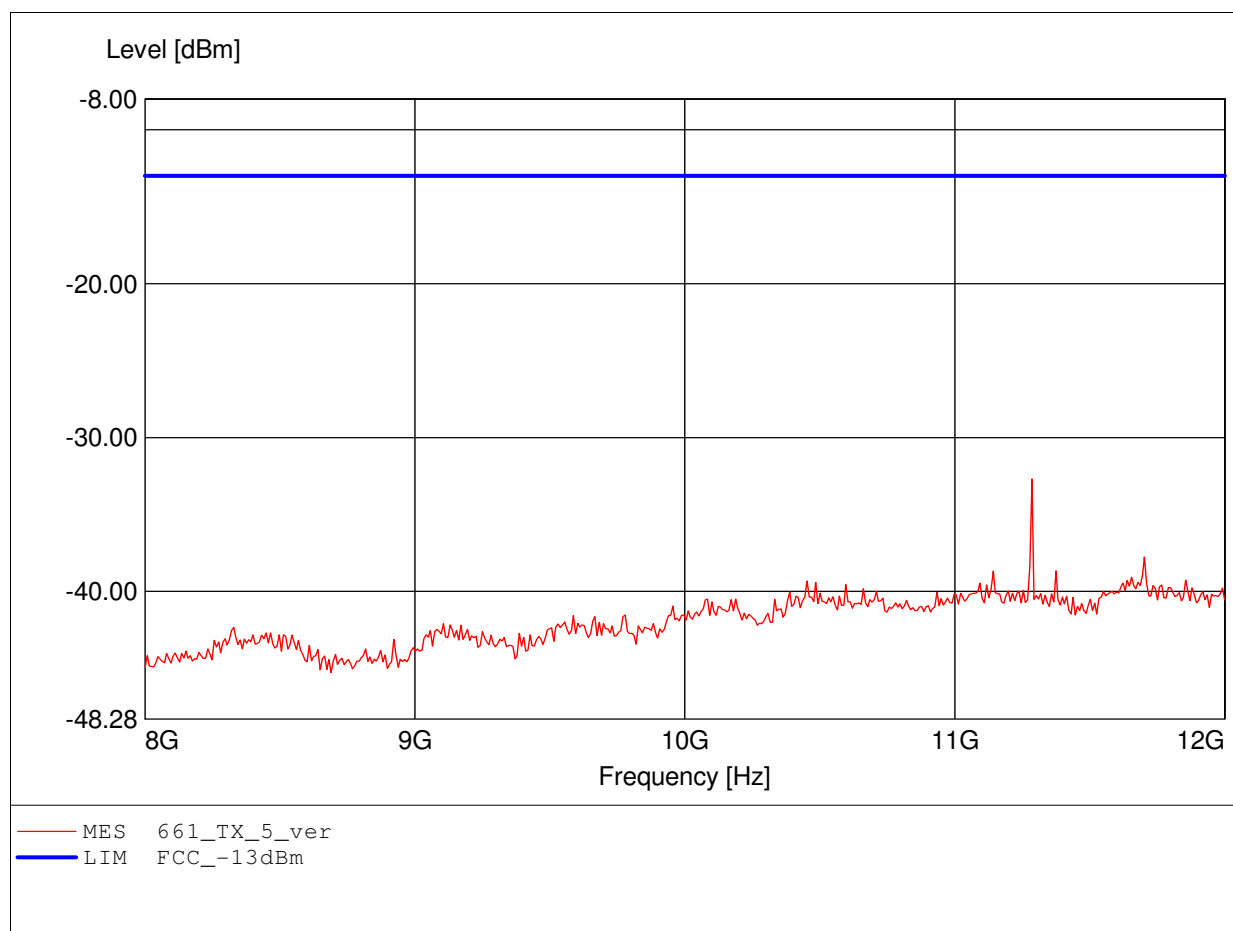
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 661
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 11.279GHz, Pmax: -37.06dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

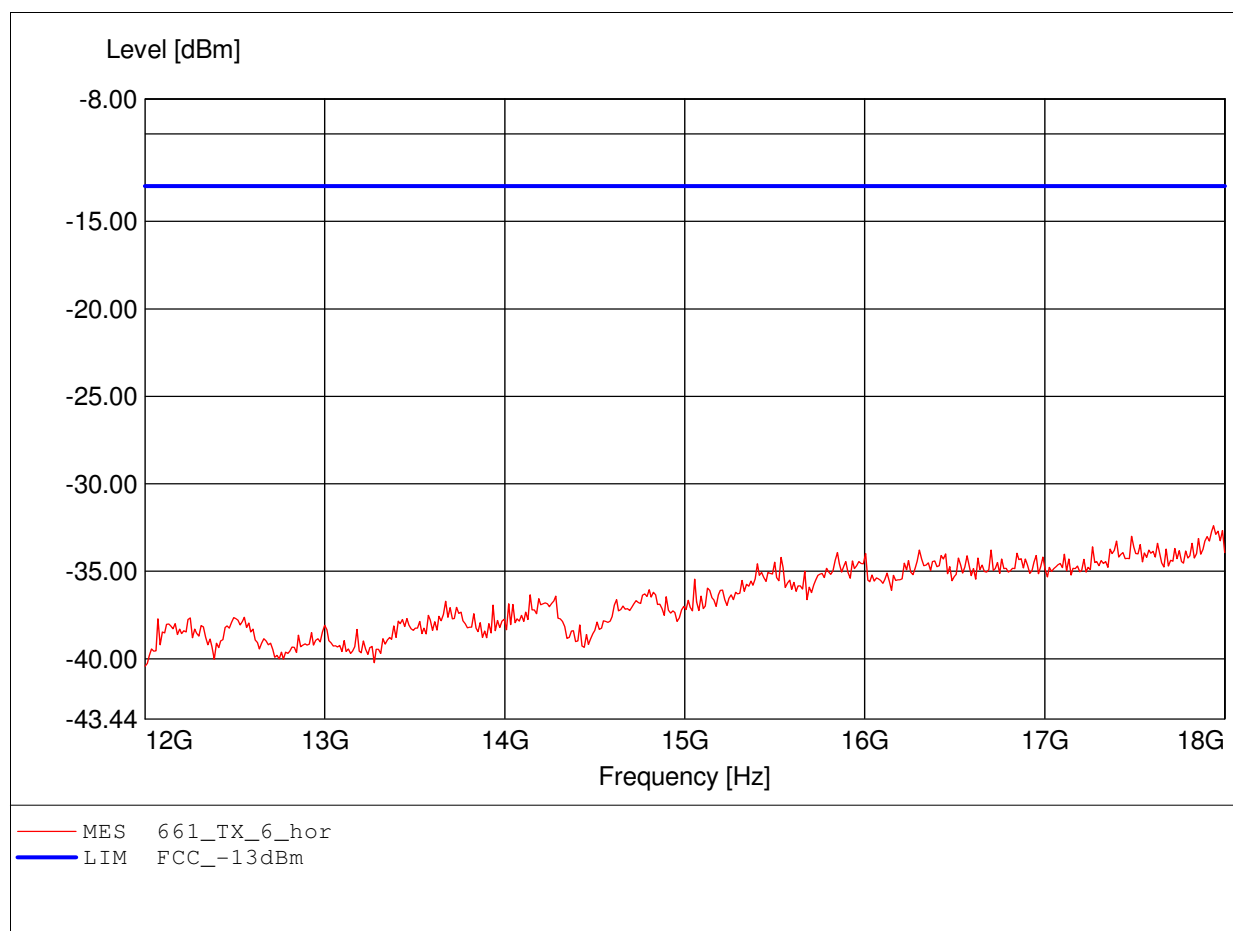
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 661
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 11.287GHz, Pmax: -32.69dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

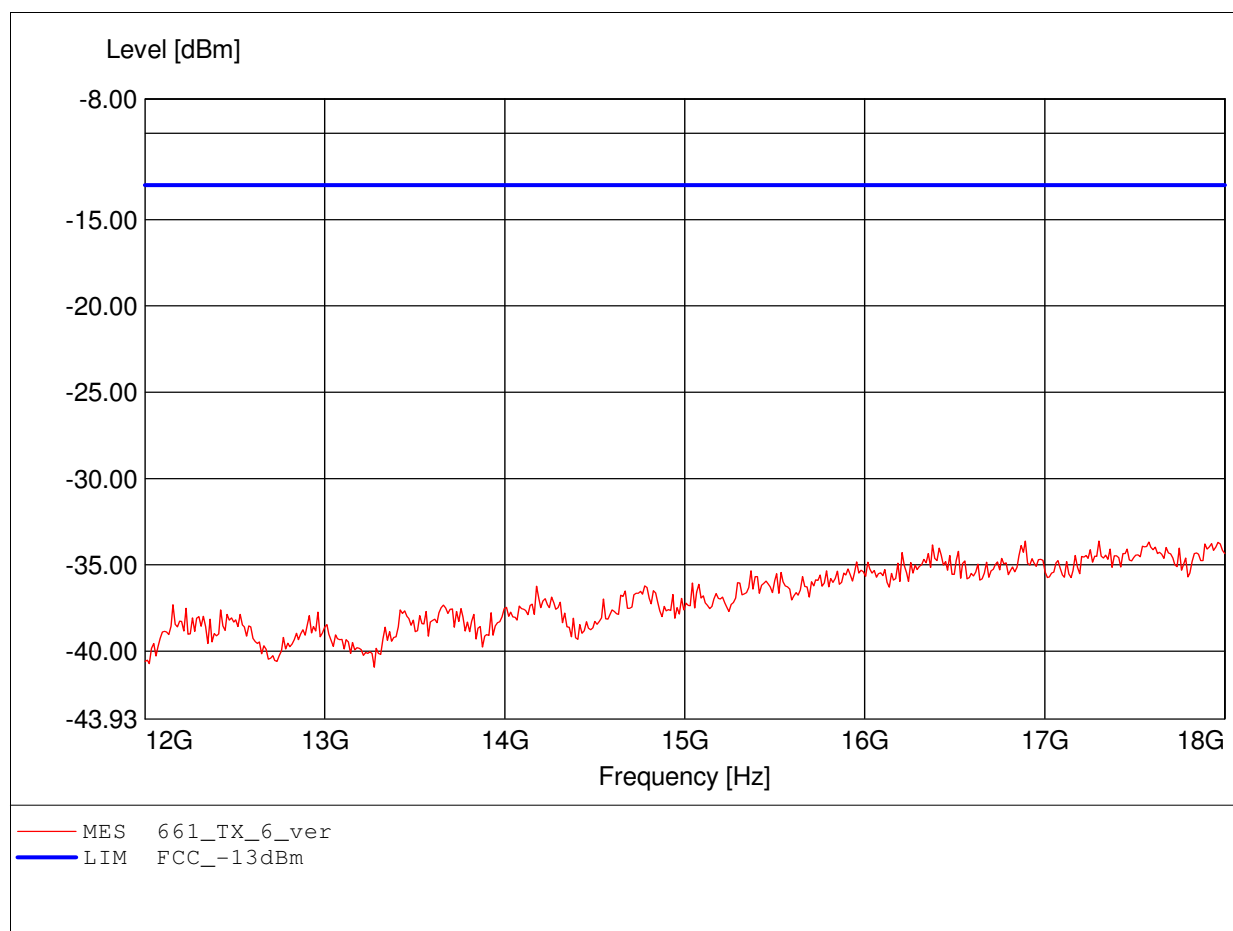
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 661
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 17.940GHz, Pmax: -32.40dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

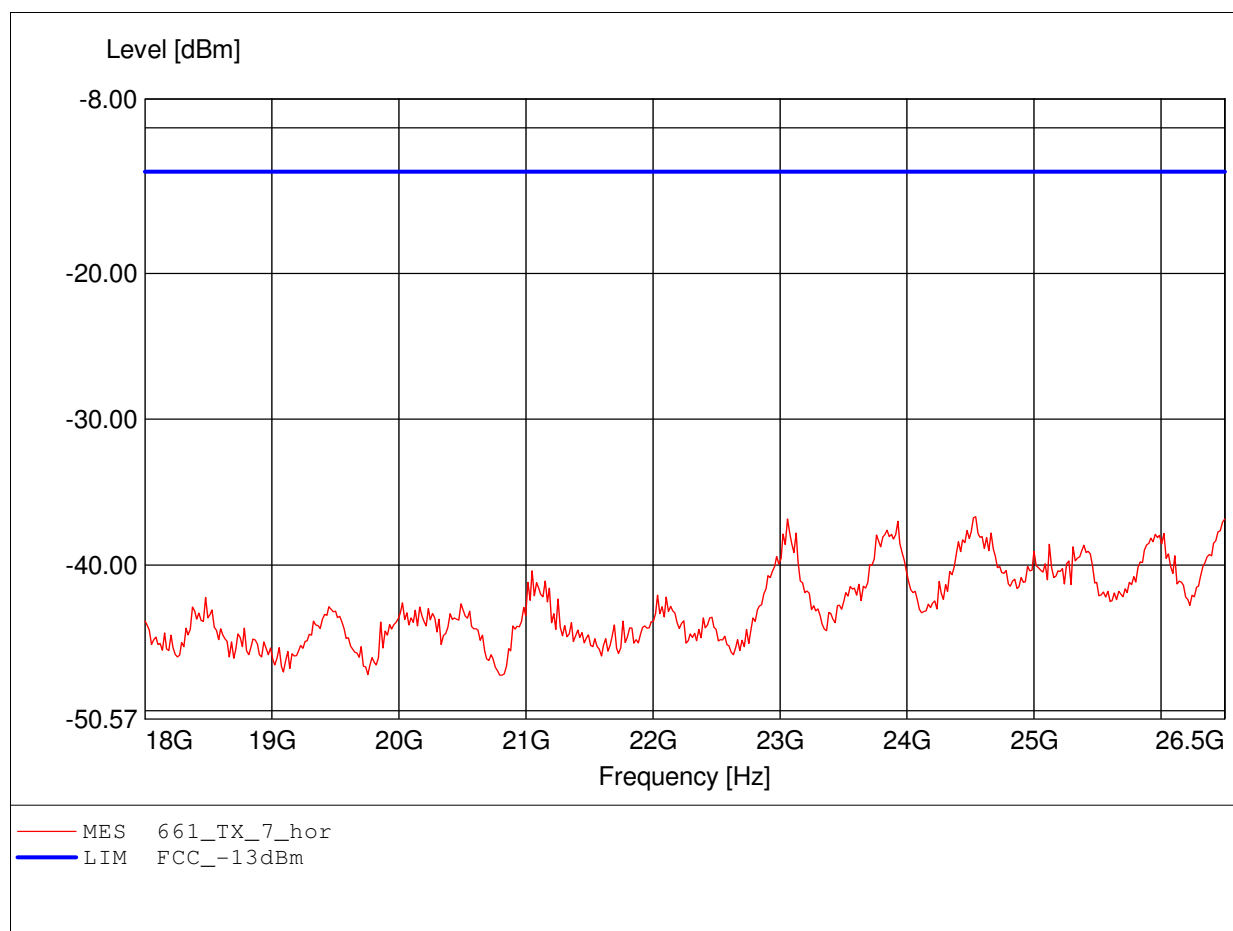
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 661
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 17.303GHz, Pmax: -33.62dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

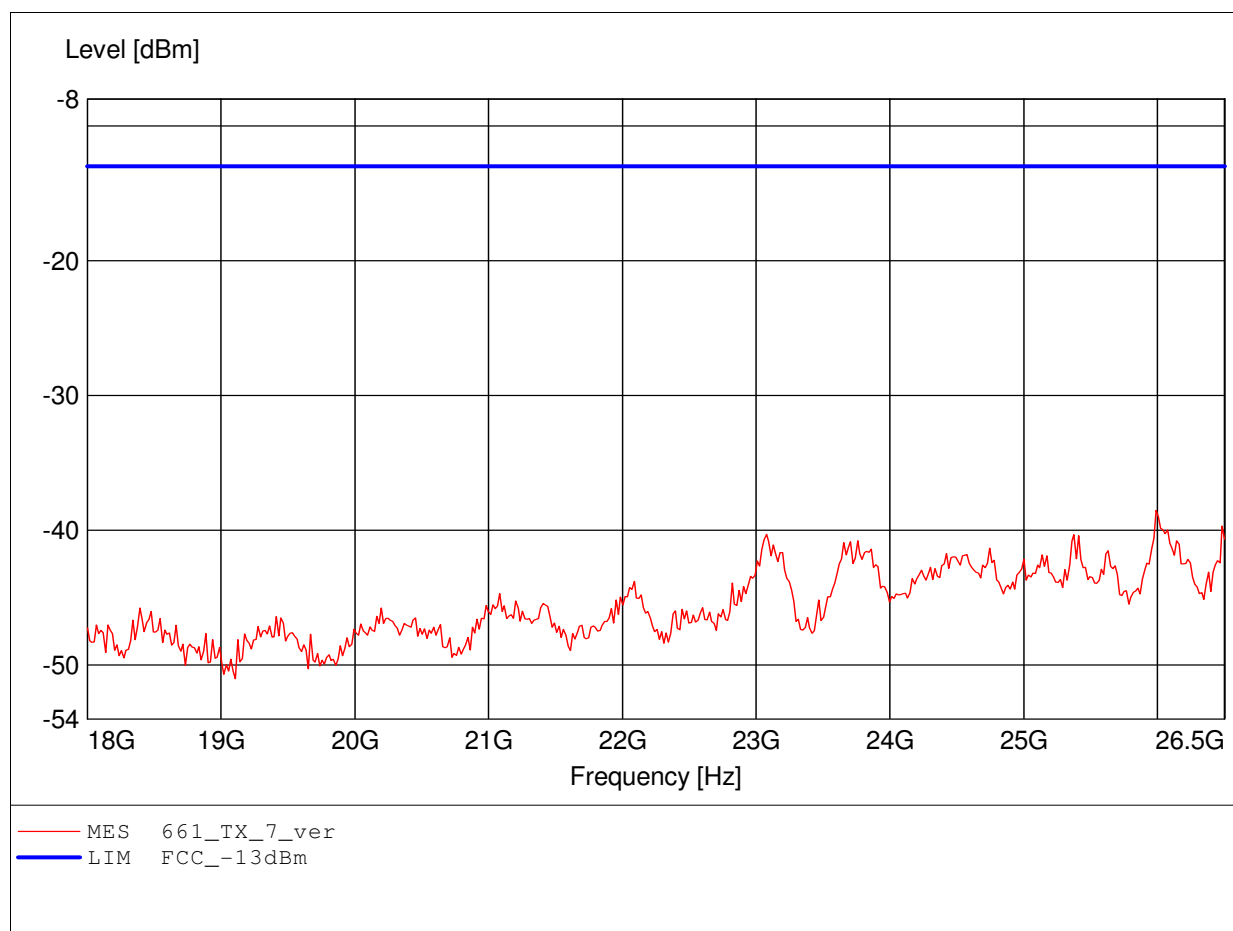
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 661
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 24.541GHz, Pmax: -36.68dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

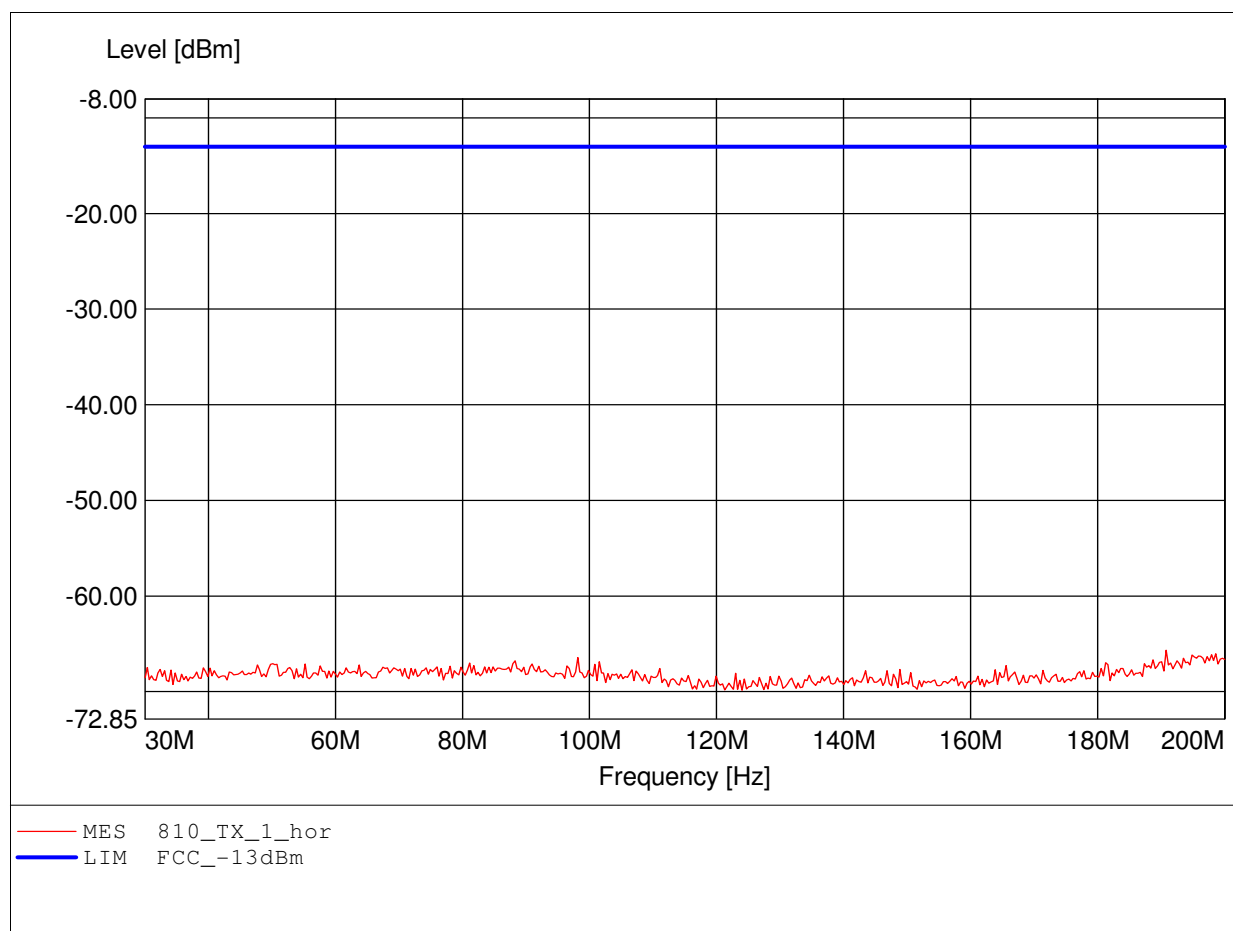
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 661
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 25.989GHz, Pmax: -38.53dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

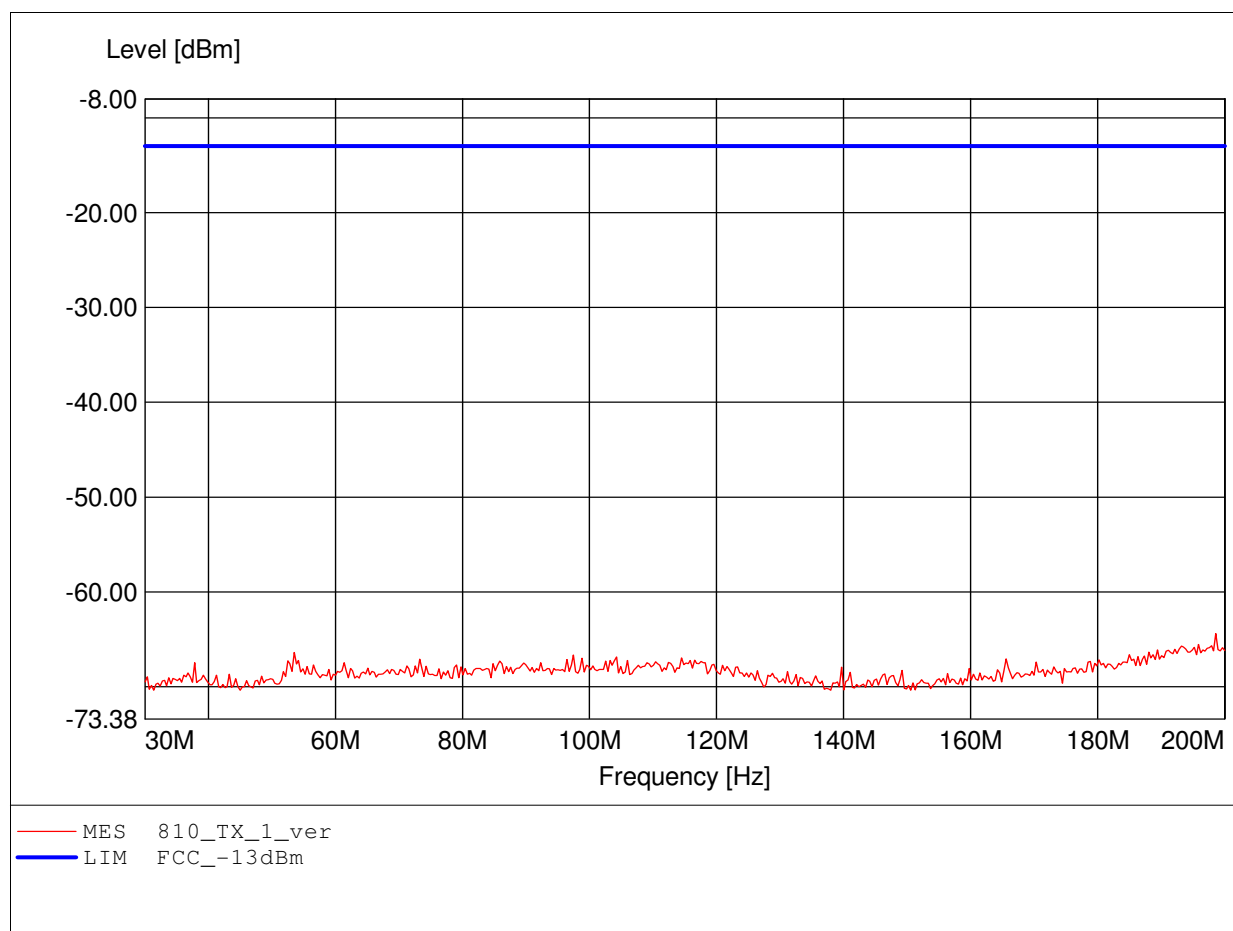
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 810
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 190.802MHz, Pmax: -65.69dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

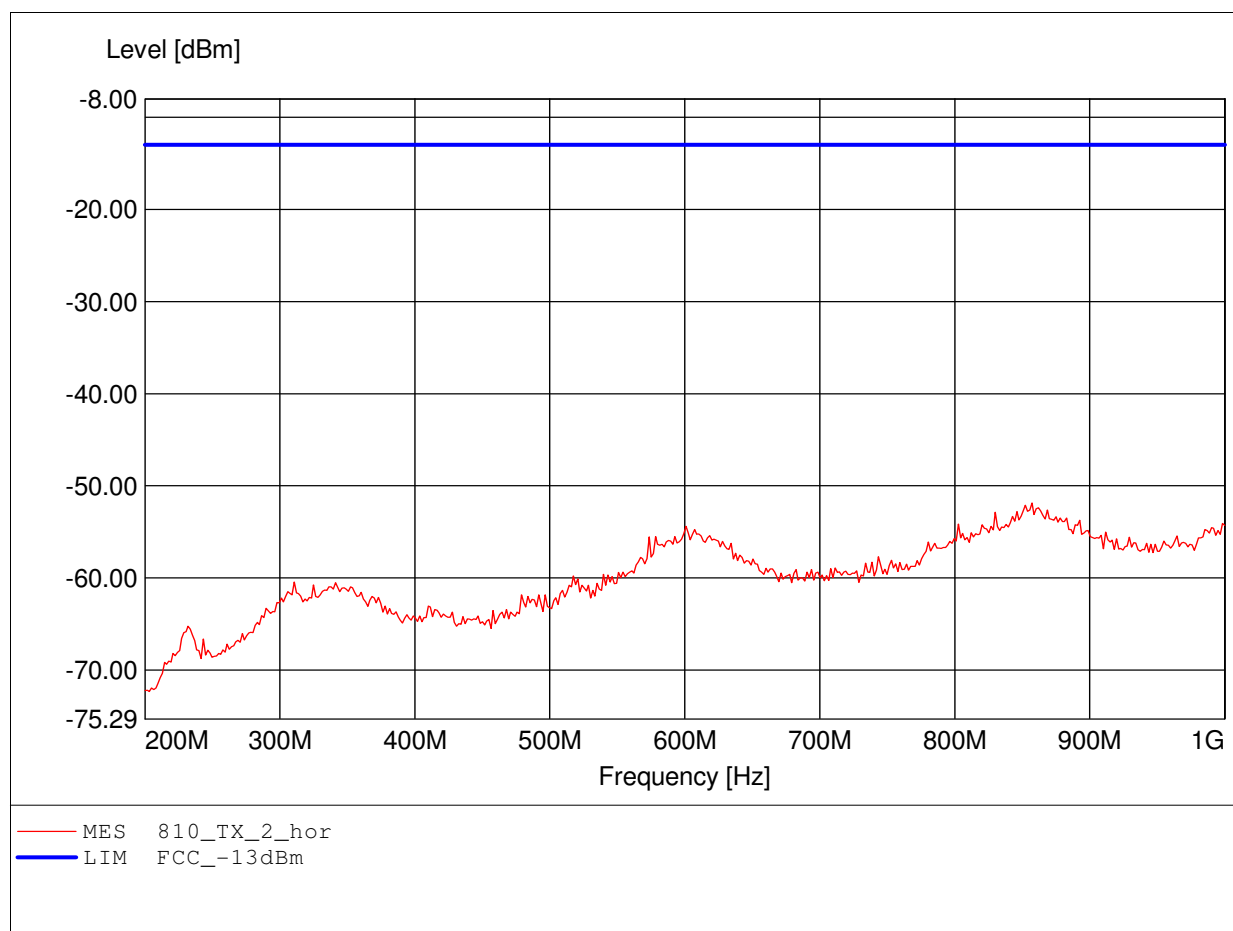
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 810
Comment 1: Dist.: 3m, Ant.: HK 116
Comment 2: Freq: 198.637MHz, Pmax: -64.38dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

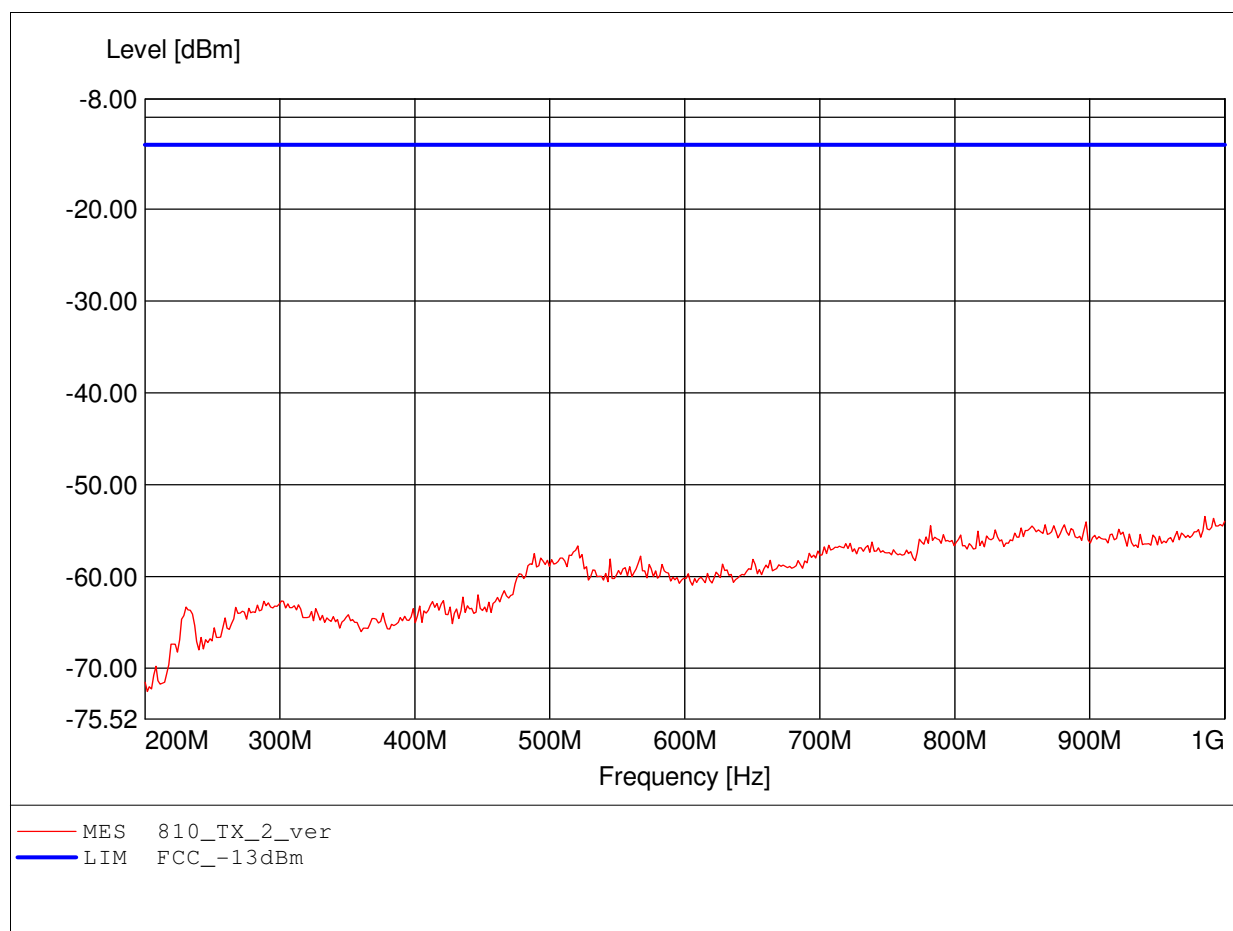
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 810
Comment 1: Dist.: 3m, Ant.: HL 223
Comment 2: Freq: 857.315MHz, Pmax: -51.89dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

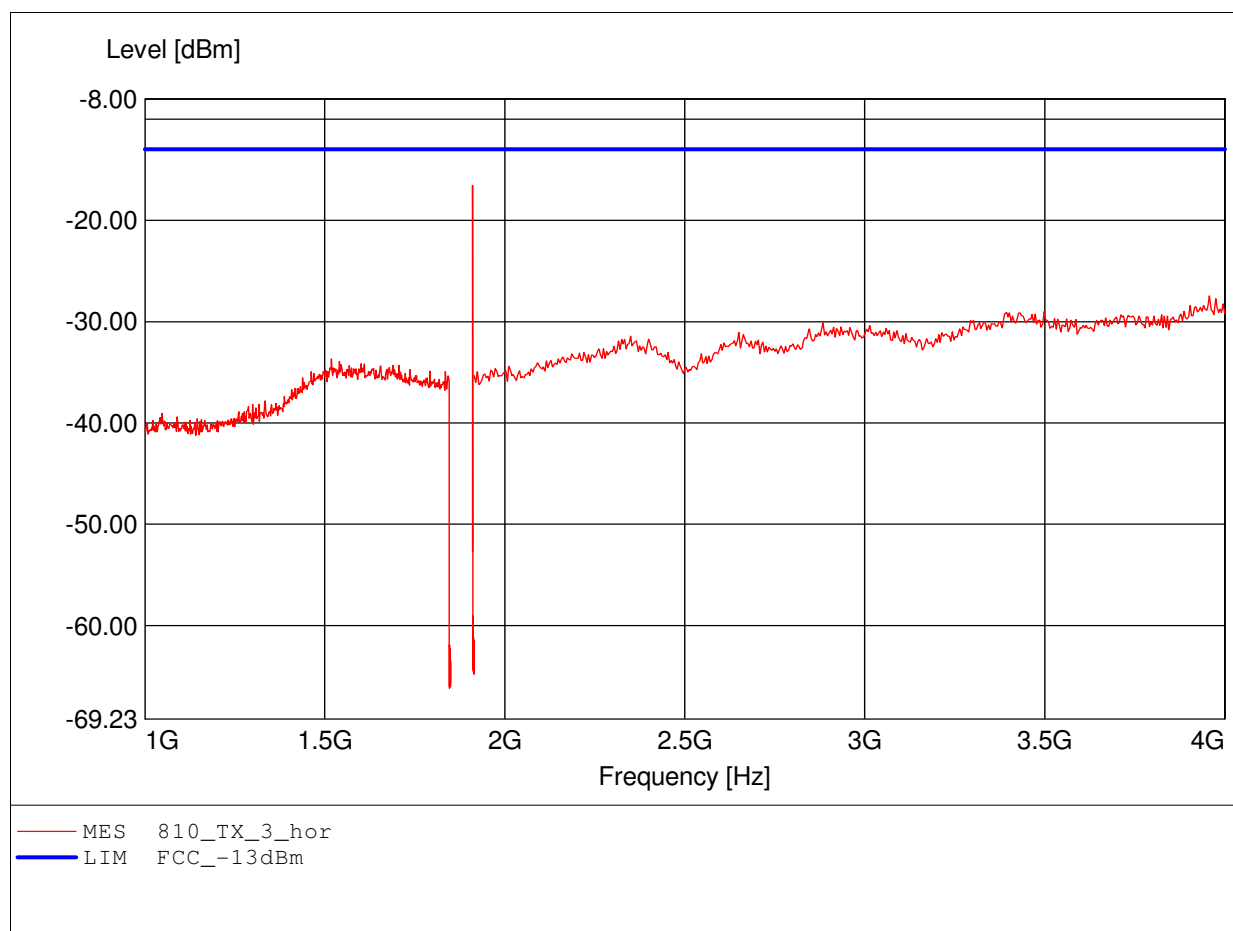
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 810
Comment 1: Dist.: 3m, Ant.: HL 223
Comment 2: Freq: 985.571MHz, Pmax: -53.47dBm, RBW: 100kHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

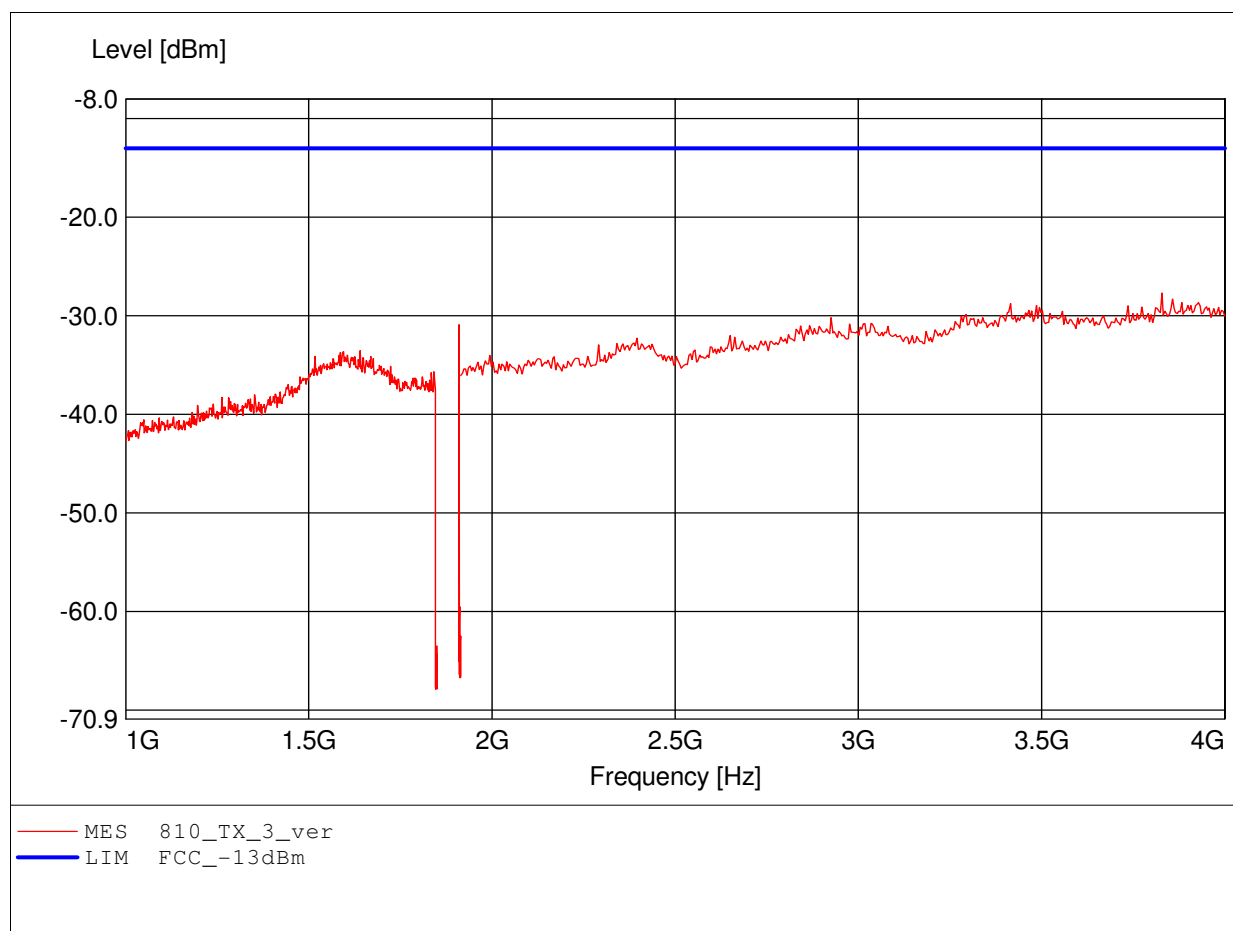
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 810
Comment 1: Dist.: 3m, Ant.: HL025
Comment 2: Freq: 1.910GHz, Pmax: -16.55dBm, RBW: 1MHz/3kHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

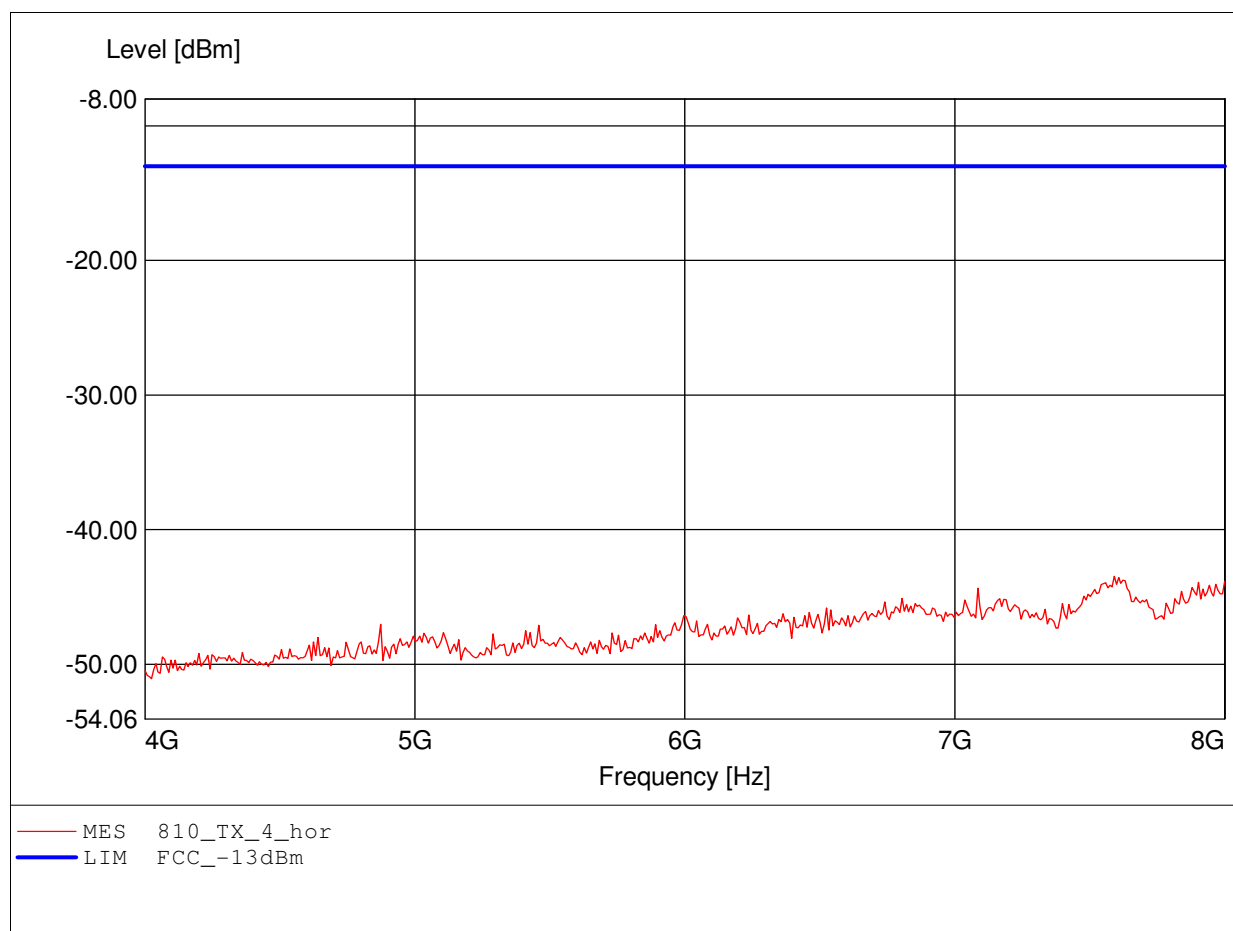
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 810
Comment 1: Dist.: 3m, Ant.: HL025
Comment 2: Freq: 3.829GHz, Pmax: -27.70dBm, RBW: 1MHz/3kHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

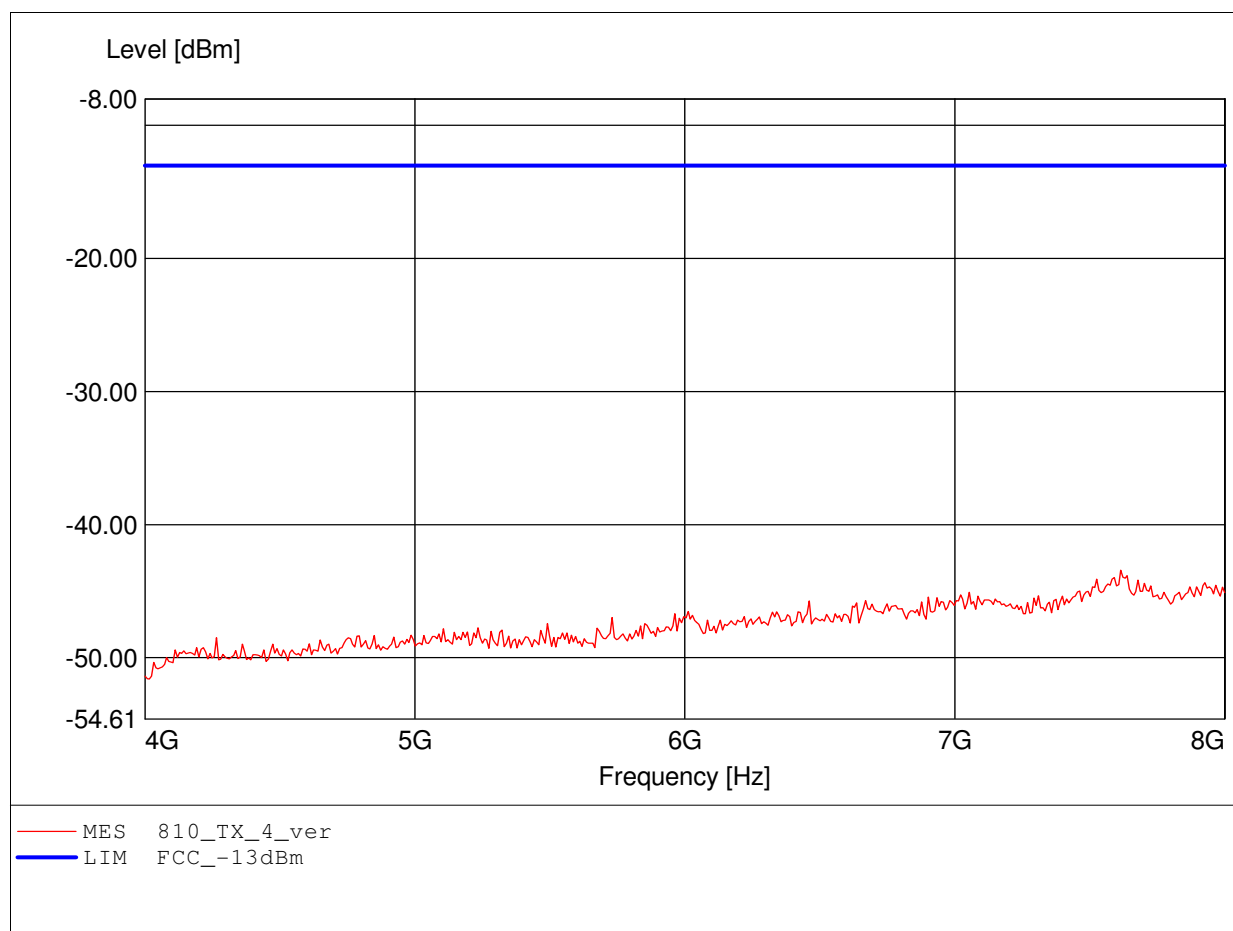
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 810
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 7.591GHz, Pmax: -43.46dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

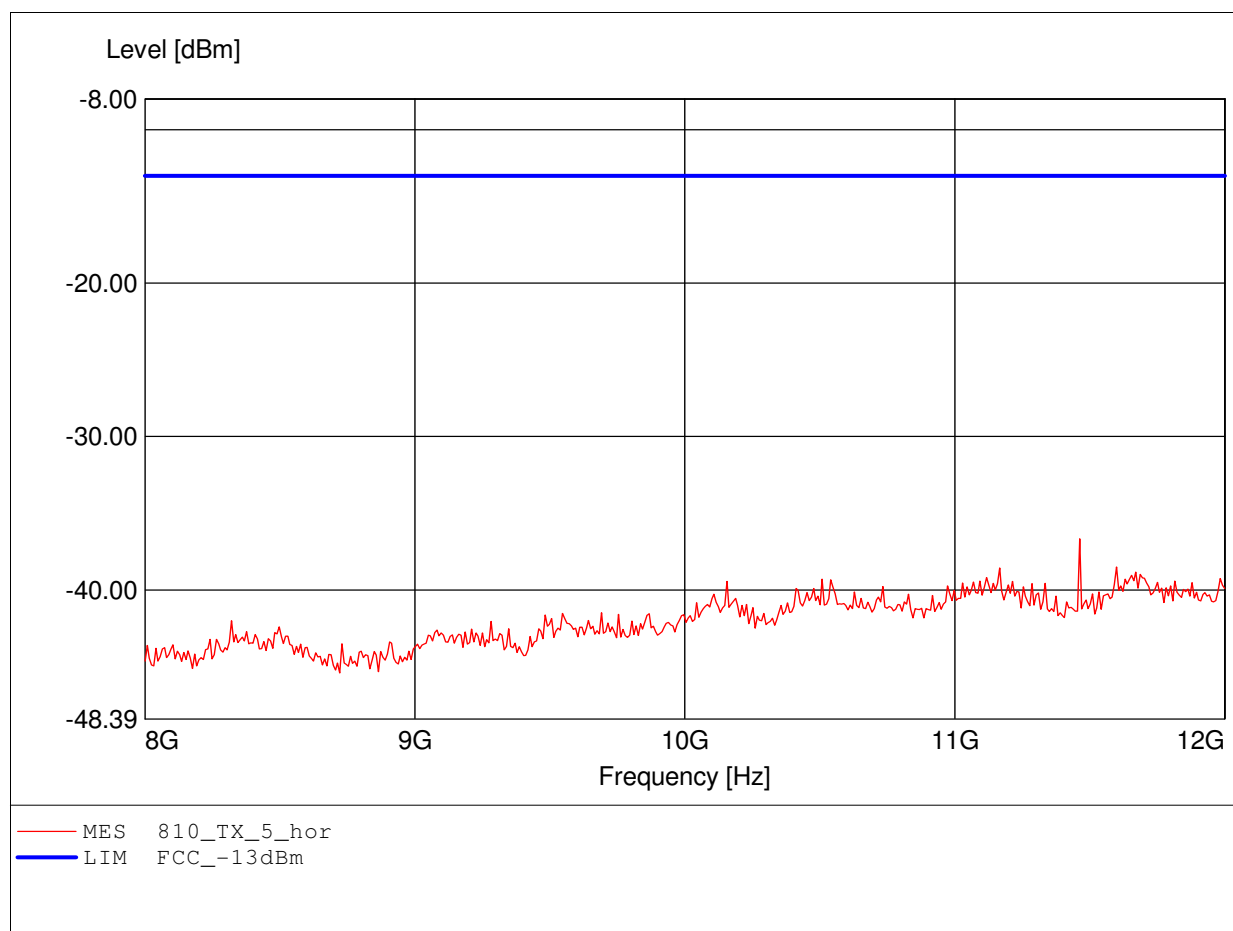
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 810
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 7.615GHz, Pmax: -43.44dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

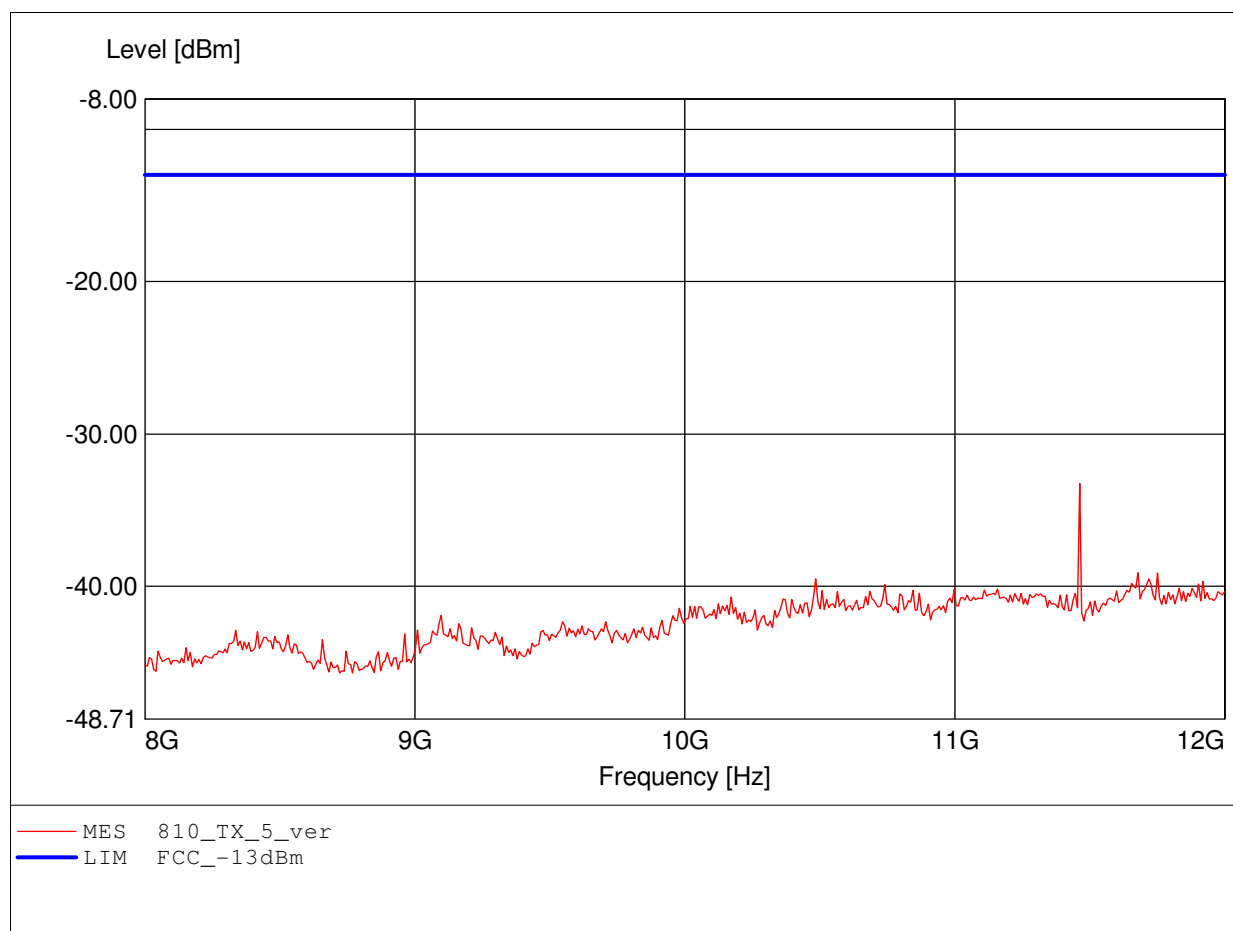
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 810
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 11.463GHz, Pmax: -36.66dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

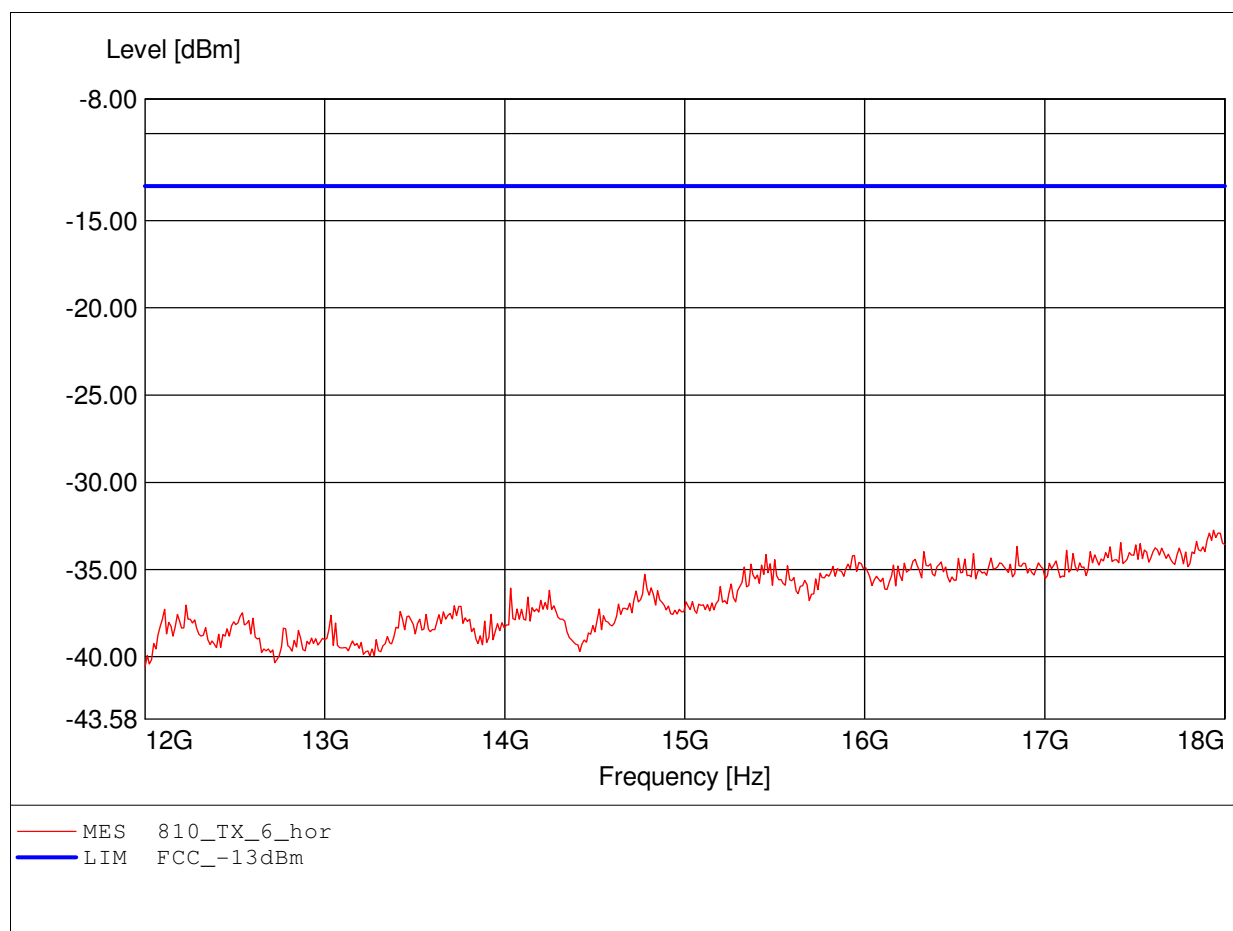
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 810
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 11.463GHz, Pmax: -33.26dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

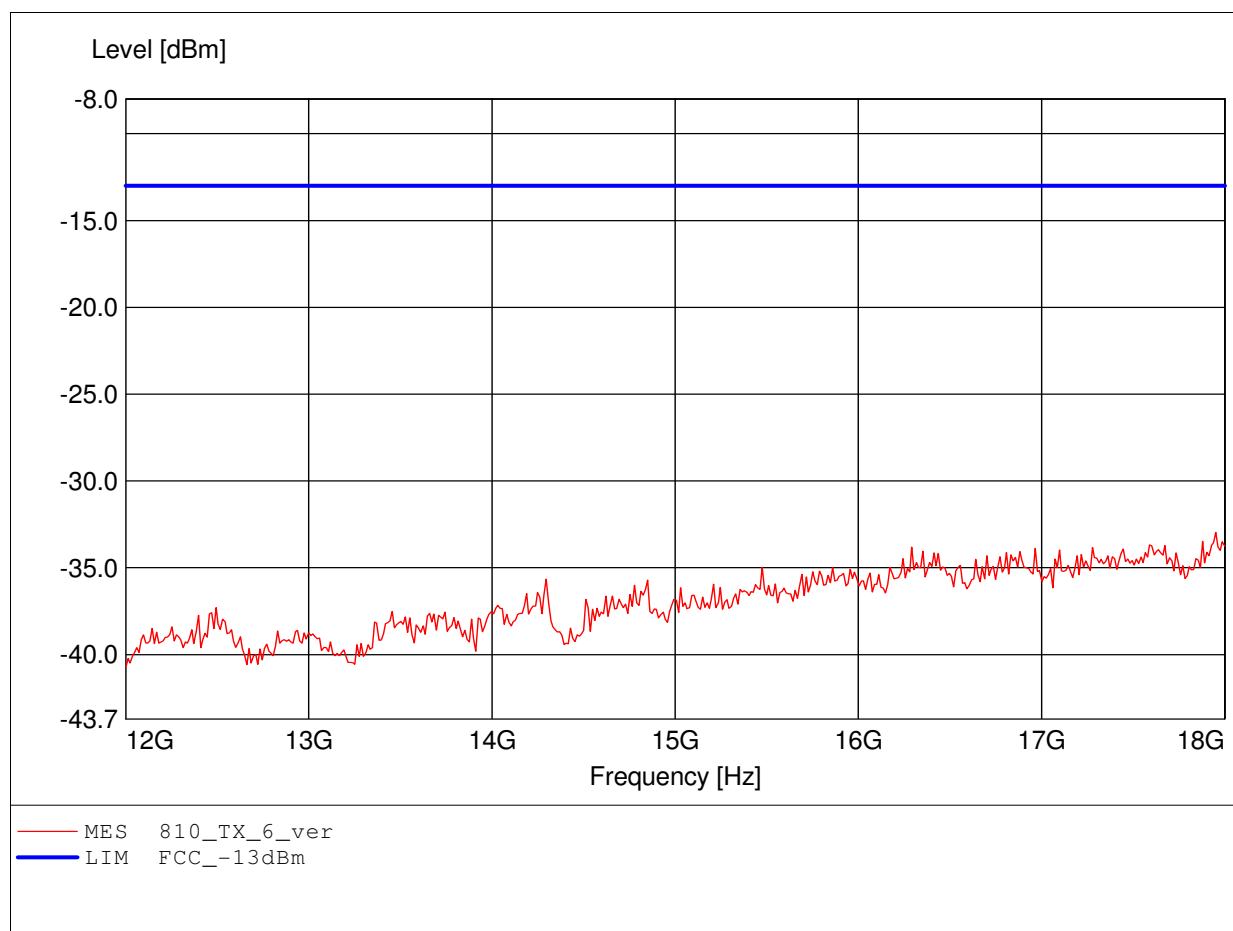
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 810
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 17.940GHz, Pmax: -32.74dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

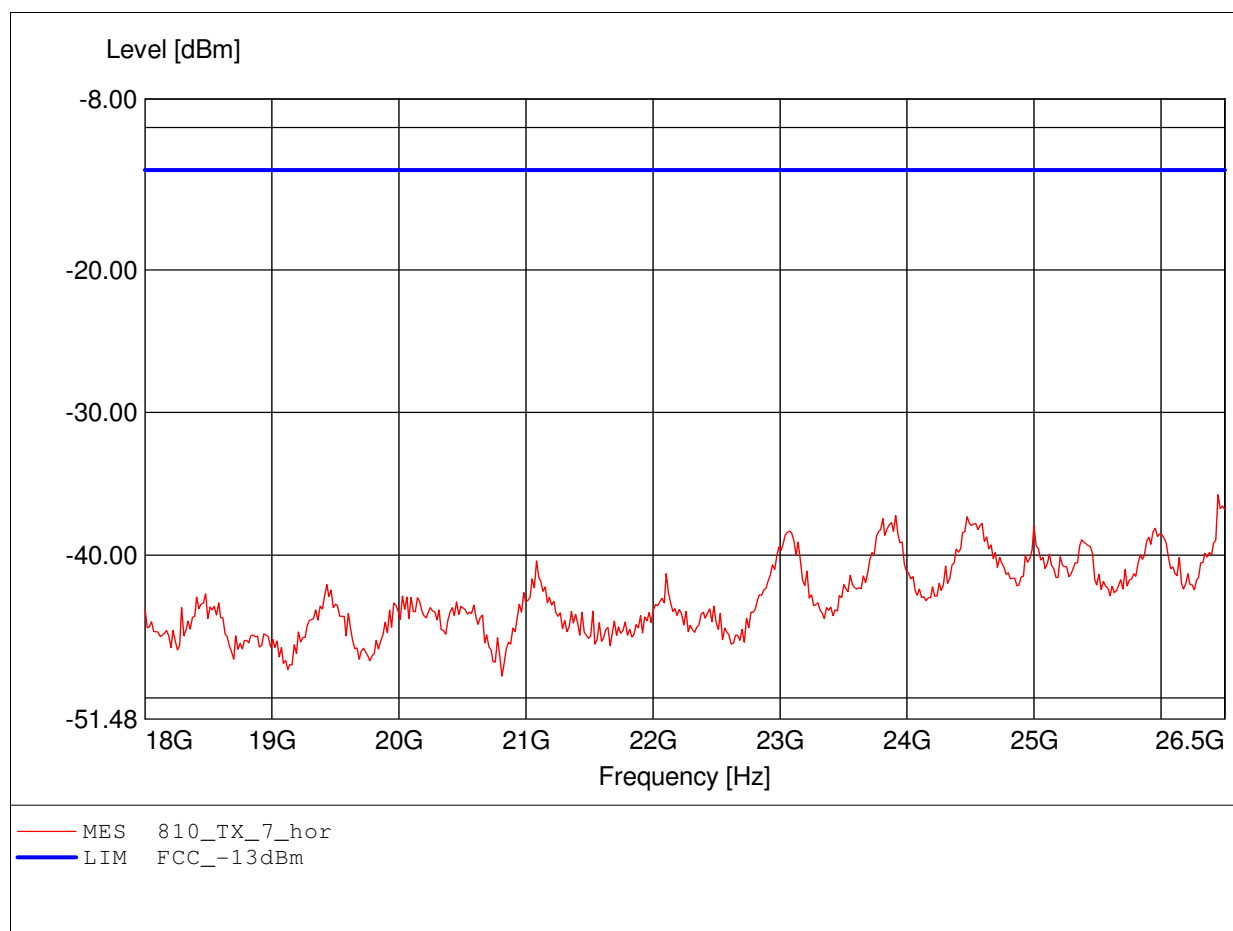
Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 810
Comment 1: Dist.: 3m, Ant.: HL025, ampl.+HP.
Comment 2: Freq: 17.952GHz, Pmax: -32.97dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 810
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 26.449GHz, Pmax: -35.76dBm, RBW: 1MHz



Radiated Emissions Tx

FCC RULES PART 24 SUBPART E

Approval Holder: TOMTOM Development Germany GmbH / G0M-1111-1529
EUT / Model: Telematic Device with GPRS/BT/GPS / Link 5
Setup: GSM 1900 / voice / PCL: 0 / horizontal / Ant: intern
Test Site / Operator: Eurofins Product Service GmbH / Mr. Pudell
Test Condition: Tnom: 24°C / Vnom.: 13.2V DC (car power)
Test Specification: Freq. / CH: 810
Comment 1: Dist.: 3m, Ant.: HL025, amplif.
Comment 2: Freq: 26.023GHz, Pmax: -37.92dBm, RBW: 1MHz

