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FCC TEST REPORT

FCC 47 CFR Part 15C
ISED RSS-210

Intentional radiator operating within the 902 – 928 MHz band

Report Reference No. ..... :	G0M-1611-6015-TFC249DT-V02
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 ..... :	Marantec America Corp.
Address ..... :	5705 Centerpoint Court 60031 Gurnee USA
Test specification:	
Standard..... :	47 CFR Part 15C RSS-210, Issue 8, 2010-12
Test scope…….. ..... :	complete Radio compliance test
Equipment under test (EUT):	
Product description	Hand Transmitter, 916 MHz, ASK, unidirctional
Model No.	Digital 384 (RT52)
Additional Model(s)	None
Brand Name(s)	None
Hardware version	Test-Hardware
Firmware / Software version	Prüf-Software
	FCC-ID: NKPD384916 IC: N/A
Test result	**Passed**

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:

Test Lab Temperature ..... :	20 – 23 °C
Test Lab Humidity ..... :	32 – 38 %
Date of receipt of test item ..... :	2016-11-07
Date (s) of performance of tests ..... :	2016-11-23 – 2016-11-25
Compiled by ..... :	Sebastian Suckow
Tested by (+ signature) ..... : (Responsible for Test)	Sebastian Suckow .....
Approved by (+ signature) ..... : (Head of Lab)	Christian Weber .....
Date of issue ..... :	2017-01-26
Total number of pages ..... :	40

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:

Besides the EUT (Model Digital 384) another 2 channel model named Digital 382 exists which is a depopulated variant of model 384 with two pushbuttons removed from the pcb. The radio part of both models is identical. Model Digital 384 is the most complex device and has been selected for compliance testing.

Version History

Version	Issue Date	Remarks	Revised by
01	2016-11-30	Initial Release	
02	2017-01-26	Adding FCC ID and Digital 382 Model	Sebastian Suckow

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1 Equipment (Test item) Description

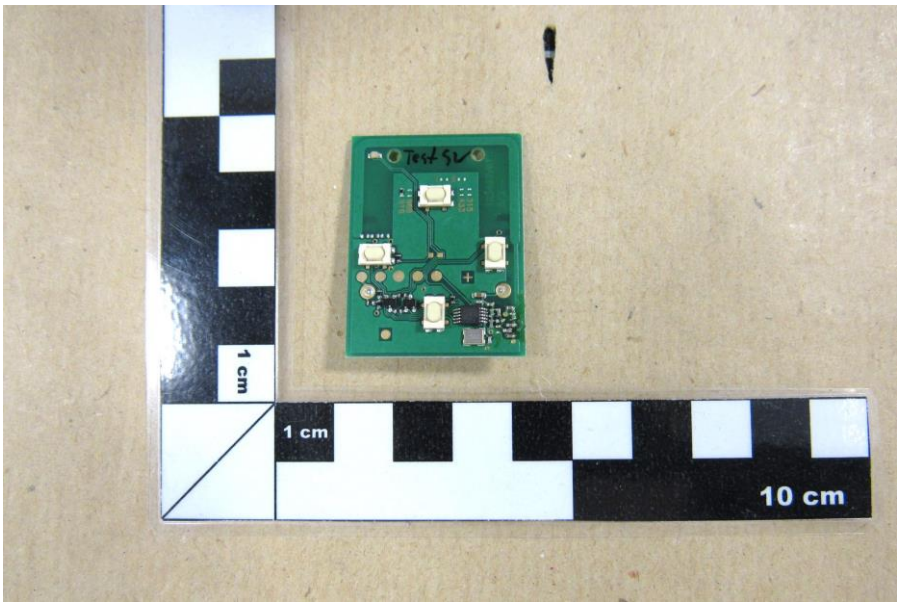
Description	Hand Transmitter, 916 MHz, ASK, unidirctional	
Model	Digital 384 (RT52)	
Additional Model(s)	None	
Brand Name(s)	None	
Serial number	None	
Hardware version	Test-Hardware	
Software / Firmware version	Prüf-Software	
PMN	N/A	
HVIN	Digital 384 (RT52)	
FVIN	N/A	
HMN	N/A	
FCC-ID	NKPD384916	
IC	N/A	
Equipment type	End product	
Radio type	Transmitter only	
Radio technology	custom	
Operating frequency range	916.5 MHz	
Assigned frequency band	902 - 928 MHz	
Frequency range	F_{MID}	916.5 MHz
Spreading	None	
Modulations	ASK	
Number of channels	1	
Channel spacing	None	
Number of antennas	1	
Antenna	Type	integrated
	Model	printed inverted-F antenna
	Manufacturer	ELDAT
	Gain	0 dBi
Manufacturer	ELDAT GmbH Im Gewerbepark 14 15711 Königs Wusterhausen GERMANY	
Power supply	V_{NOM}	3.0 VDC (Lithium-Battery)
	V_{MIN}	N/A
	V_{MIN}	N/A
	Output	N/A

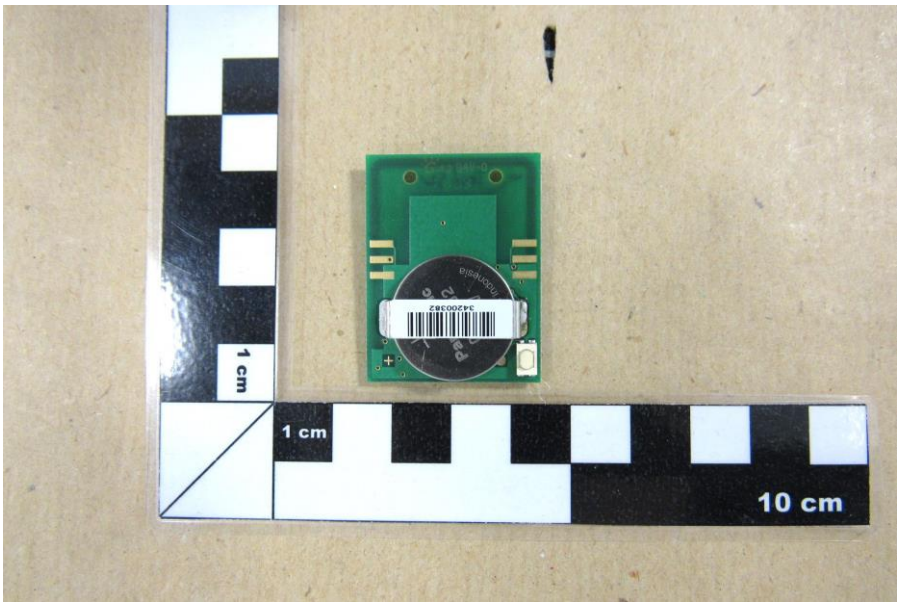
1.1 Photos – Equipment External

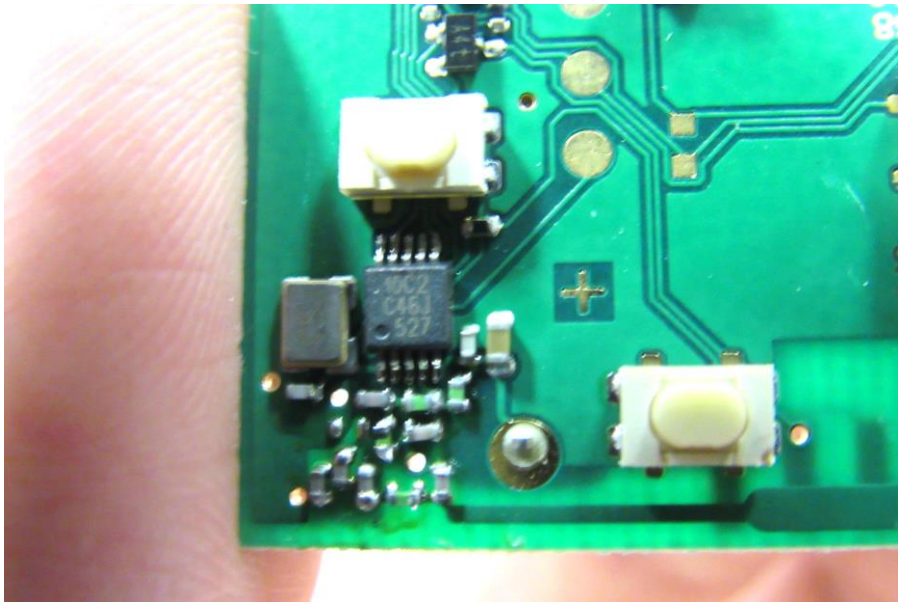
EUT Top

EUT Bottom

1.2 Photos – Equipment internal

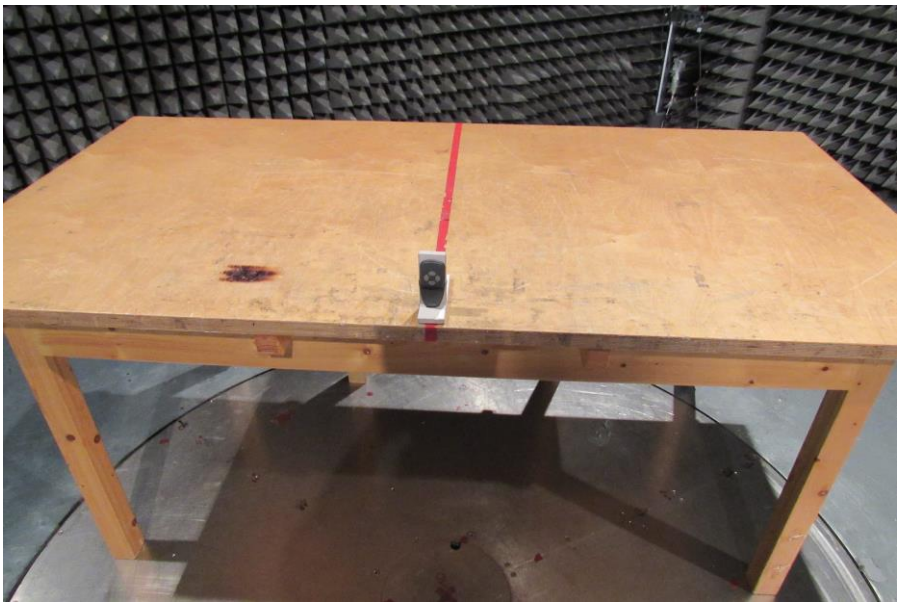
PCB Top


PCB Bottom


PCB Detail


1.3 Photos – Test setup

Test setup

Test setup detail


1.4 Supporting Equipment Used During Testing

Product Type*	Device	Manufacturer	Model No.	Comments
None				

***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	
Single	General conditions:	EUT powered by fully charged battery
	Radio conditions:	Mode = standalone transmit Modulation = ASK Power level = Maximum
Standby	General conditions:	EUT powered by fully charged battery
	Radio conditions:	Mode = standby Modulation = ASK

1.6 Test Equipment Used During Testing

Measurement Software			
Description	Manufacturer	Name	Version
EMC Test Software	Dare Instruments	Radimation	2015.2.4

Occupied Bandwidth					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Spectrum Analyzer	R&S	FSU 3	EF00241	2016-04	2018-04

Field strength emissions					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Semi-anechoic chamber	Frankonia	AC 1	EF00062	-	-
Spectrum Analyzer	R&S	FSP30	EF00242	2016-04	2017-04
Biconical Antenna	R&S	HK 116	EF00203	2016-06	2018-06
LPD Antenna	R&S	HL 223	EF00013	2016-06	2018-06
Horn Antenna	Schwarzbeck	BBHA9120D	EF01153	2016-07	2017-07

1.7 Sample emission level calculation

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

Reading:

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

A.F.:

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

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

Net:

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

Limit:

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

Limit (dBµV/m) = 20*log (µV/m)

Margin:

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

Example only:

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

2 Result Summary

FCC 47 CFR Part 15C, IC RSS-210				
Product Specific Standard Section	**Requirement – Test**	**Reference Method**	**Result**	**Remarks**
RSS-Gen 6.6	Occupied Bandwidth	RSS-Gen 6.6	N/R	Informational only
FCC 15.249(a),(c),(e) ISED RSS-210 A2.9(a)	Fundamental field strength emissions	ANSI C63.4	PASS	
FCC 15.249(a),(c),(d),(e) ISED RSS-210 A2.9(a),(b)	Emission radiated outside the specified frequency band	ANSI C63.4	PASS	
ISED RSS-210 Section 2.3 ISED RSS-Gen 7.1	Receiver radiated spurious emissions	ANSI C63.4	PASS	
FCC § 15.207 ISED RSS-Gen 8.8	AC power line conducted emissions	ANSI C63.4	N/R	EUT exclusively battery powered
Remarks:				

3 Test Conditions and Results

3.1 Test Conditions and Results – Occupied Bandwidth

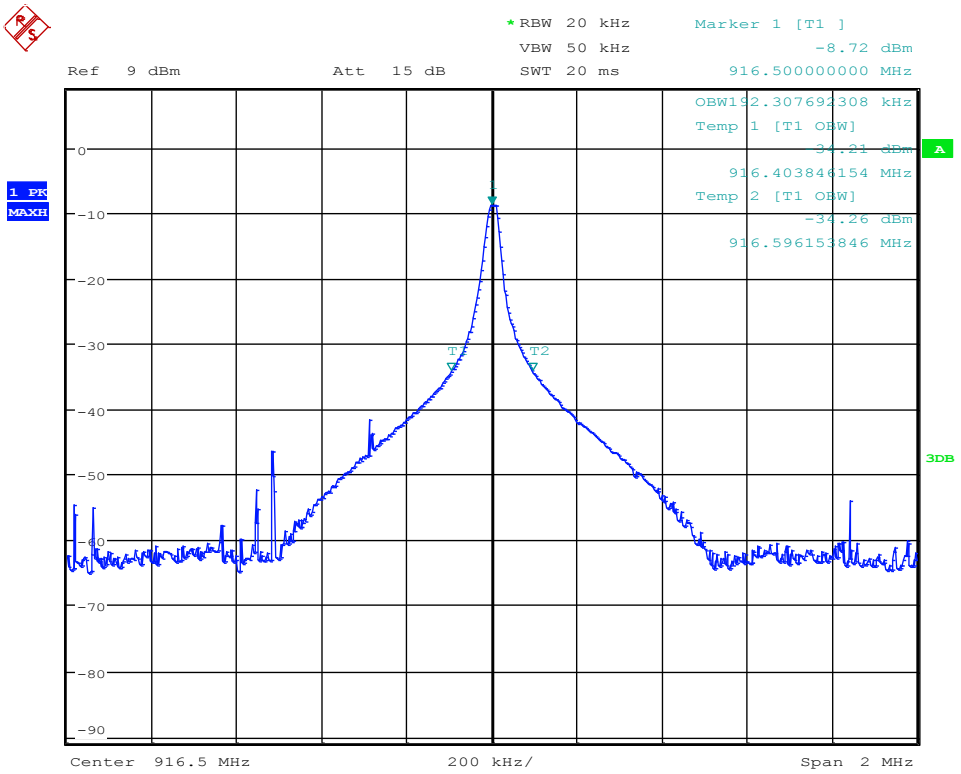
Occupied Bandwidth acc. to ISED RSS-Gen		**Verdict: PASS**
Test according to measurement reference	Reference Method	
	RSS-Gen 6.6	
Test frequency range	Tested frequencies	
	F_{MID}	
EUT test mode	Single	
Limits		
None (Informational only)		
Test setup		
Spectrum Analyzer — EUT		
Test procedure		
1. EUT set to test mode (Communication tester is used if needed) 2. Span set to at least twice the emission spectrum 3. Resolution bandwidth set to 1 % of span 4. Occupied Bandwidth (99 %) measurement with spectrum analyzer built in measurement function		
Test results		
Channel	Frequency [MHz]	Occupied Bandwidth [kHz]
F_{MID}	916.5	192.31
Comments: Measurement is applicable to all variants		

Occupied Bandwidth - F_{MID}

Occupied Bandwidth

Project Number: G0M-1611-6015

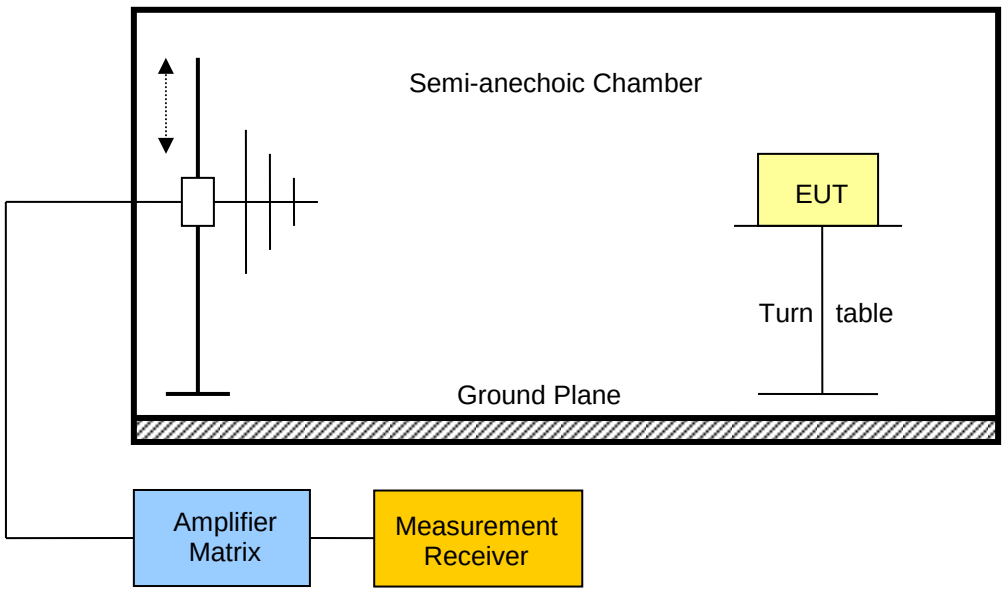
Applicant:	Marantec America Corp.
EUT Name:	Hand Transmitter, 916 MHz, ASK, unidirctional
Model:	Digital 384 (RT52)
Test Site:	Eurofins Product Service GmbH
Operator:	Sebastian Suckow
Test Conditions:	Tnom / Vnom
Mode:	916.5 MHz ASK
Test Date:	2016-11-25
Verdict:	NONE (INFORMATION ONLY)



Date: 25.NOV.2016 13:16:42

3.2 Test Conditions and Results – Fundamental field strength emissions

Field strength emissions acc. to FCC 47 CFR 15.249 / ISED RSS-210				**Verdict: PASS**
Test according referenced standards	Reference Method			
	FCC 15.249(a),(c),(e) / ISED RSS-210 A2.9(a)			
Test according to measurement reference	Reference Method			
	ANSI C63.4			
Test frequency range	Tested frequencies			
	F_{MID}			
EUT test mode	Single			
Limits				
Frequency range [MHz]	Detector	Limit [mV/m]	Limit [dBµV/m]	Limit Distance [m]
902 – 928	Quasi-Peak	50	94	3
2400 – 2483.5	Average	50	94	3
5725 - 5875	Average	50	94	3
FCC 15.249(e) : for frequencies above 1000 MHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. Below 1GHz a CISPR quasi-peak detector is used.				
Test setup				



Test procedure
1. EUT set to test mode 2. Span it set according to measurement range 3. Resolution bandwidth below 1 GHz is set according to CISPR 16 with peak/quasi-peak detector and RBW of 1 MHz with peak/average detector is used above 1 GHz 4. Markers are set to maximum emission levels

Test results

Channel	Frequency [MHz]	Emission [MHz]	Level [dbµV/m]	Detector	Pol.	Limit [dbµV/m]	Limit distance [m]*	Margin [dB]
F_{MID}	916.5	916.520	87.5	Pk	Hor	94	3	-06.50
F_{MID}	916.5	916.502	93.5	Qp	Ver	94	3	-00.50

Comments: * Physical distance between EUT and measurement antenna.

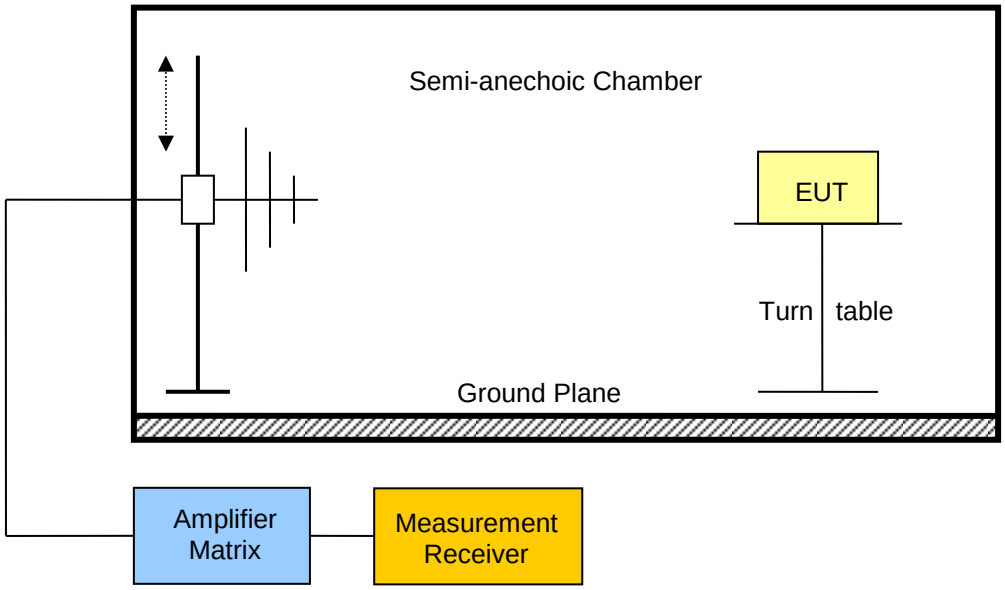
3.3 Test Conditions and Results – Emissions radiated outside the specified frequency band

Radiated out-of-band band emissions acc. to FCC 47 CFR 15.249 / ISED RSS-210				**Verdict: PASS**
Test according referenced standards		Reference Method		
		FCC 15.249(a),(c),(d),(e) / ISED RSS-210 A2.9(a),(b)		
Test according to measurement reference		Reference Method		
		ANSI C63.4		
Test frequency range		Tested frequencies		
		30 MHz – 10th hamonic		
EUT test mode		Single		
Limits - Harmonics				
Frequency range [MHz]	Detector	Limit [µV/m]	Limit [dBµV/m]	Limit Distance [m]
902 – 928	Quasi-Peak	500	54	3
2400 – 2483.5	Average	500	54	3
5725 - 5875	Average	500	54	3
Limits - General				
Frequency range [MHz]	Detector	Limit [µV/m]	Limit [dBµV/m]	Limit Distance [m]
30 – 88	Quasi-Peak	100	40	3
88 – 216	Quasi-Peak	150	43.5	3
216 – 960	Quasi-Peak	200	46	3
960 – 1000	Quasi-Peak	500	54	3
> 1000	Average	500	54	3

FCC 15.249(e) : for frequencies above 1000 MHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

Except the higher order harmonics, emission radiated outside the specified frequency band shall be attenuated by at least 50 dB below the level of the fundamental or to the general field strength limits listed in 15.209 / RSS-Gen, whichever is less stringent.

Test setup



Test procedure

5. EUT set to test mode
6. Span it set according to measurement range
7. Resolution bandwidth below 1 GHz is set according to CISPR 16 with peak/quasi-peak detector and RBW of 1 MHz with peak/average detector is used above 1 GHz
8. Markers are set to maximum emission levels

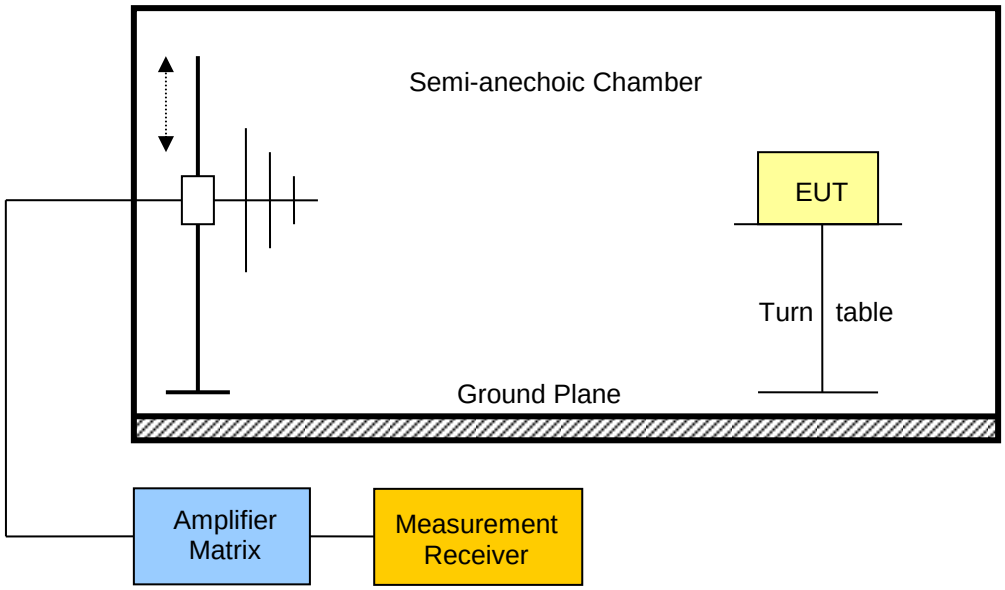
Test results

Channel	Frequency [MHz]	Emission [MHz]	Level [dbµV/m]	Detector	Pol.	Limit [dbµV/m]	Limit distance [m]*	Margin [dB]
F_{MID}	916.5	1832	45.73	pk	hor	73.90	3	-28.17
F_{MID}	916.5	1832	51.41	pk	ver	73.90	3	-22.49
F_{MID}	916.5	2749	39.22	pk	hor	73.90	3	-34.68
F_{MID}	916.5	2749	51.35	pk	ver	73.90	3	-22.55
F_{MID}	916.5	3665	41.72	pk	hor	73.90	3	-32.18
F_{MID}	916.5	3666	53.22	pk	ver	73.90	3	-20.68
F_{MID}	916.5	3892	40.96	pk	hor	73.90	3	-32.94
F_{MID}	916.5	5493	42.84	pk	hor	73.90	3	-31.06
F_{MID}	916.5	5493	45.36	pk	ver	73.90	3	-28.54

Comments: * Physical distance between EUT and measurement antenna.

3.4 Test Conditions and Results – Receiver radiated emissions

Receiver radiated emissions acc. to ISED RSS-210				**Verdict: PASS**
Test according referenced standards	Reference Method			
	ISED RSS-210 A8.5			
Test according to measurement reference	Reference Method			
	ANSI C63.4			
Test frequency range	Tested frequencies			
	30 MHz – 5th Harmonic			
EUT test mode	Standby			
Limits				
Frequency range [MHz]	Detector	Limit [µV/m]	Limit [dBµV/m]	Limit Distance [m]
30 – 88	Quasi-Peak	100	40	3
88 – 216	Quasi-Peak	150	43.5	3
216 – 960	Quasi-Peak	200	46	3
960 – 1000	Quasi-Peak	500	54	3
> 1000	Average	500	54	3
Test setup				



Test procedure
1. EUT set to receive mode (Communication tester is used if needed) 2. Span it set according to measurement range 3. Resolution bandwidth below 1 GHz is set according to CISPR 16 with peak/quasi-peak detector and RBW of 1 MHz with peak/average detector is used above 1 GHz 4. Markers are set to peak emission levels

Test results							
Channel	Frequency [MHz]	Emission [MHz]	Emission Level [dbµV/m]	Emission Level [µV/m]	Det.	Limit [µV/m]	Margin [µV/m]
F_{MID}	No significant spurious emissions						

Comments: * Physical distance between EUT and measurement antenna.
The stated emission level corresponds to ambient noise floor. No real spurious emission has been measured.

ANNEX A Transmitter radiated spurious emissions

Spurious emissions according to FCC 15.249

Project number: G0M-1611-6015

Applicant:	Marantec America Corp.
EUT Name:	Handsender
Model:	RT52
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 20°C, Vnom: 3 VDC
Antenna:	Rohde & Schwarz HK 116, Horizontal
Measurement distance:	3 m
Mode:	TX; SRD 916.5 MHz ASK
Test Date:	2016-11-25
Note:	

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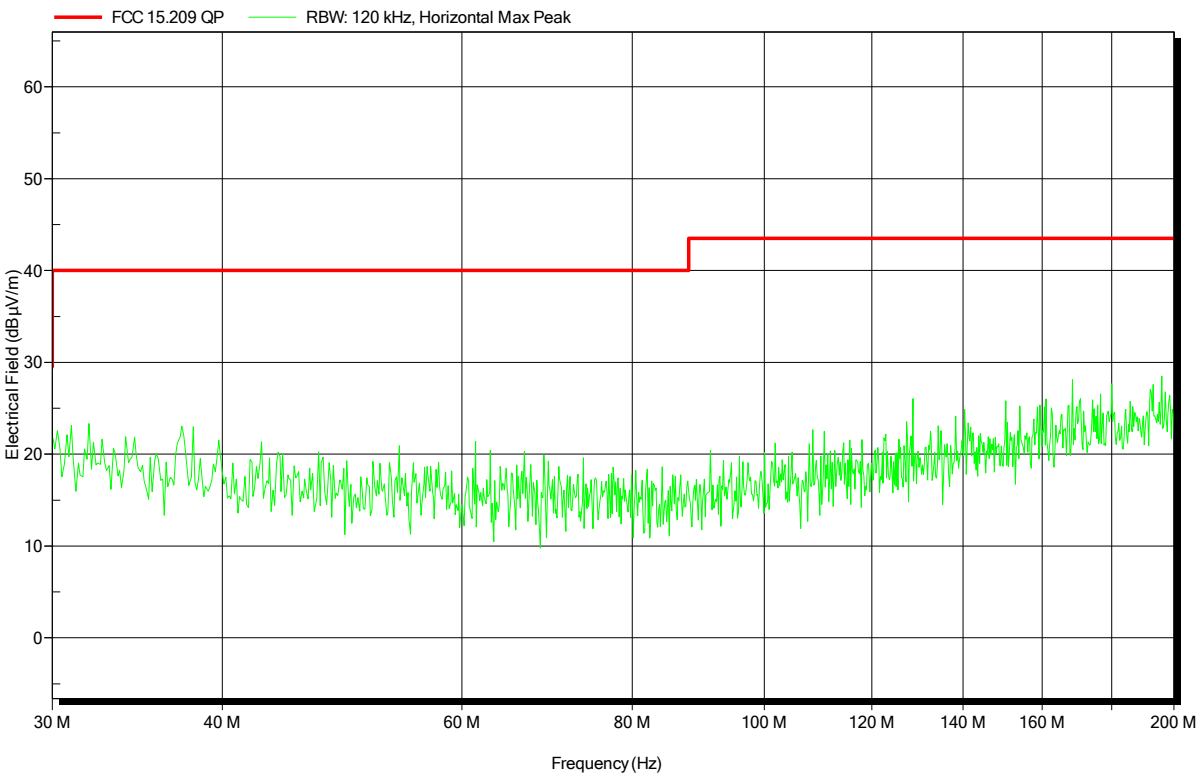

Spurious emissions according to FCC 15.249

Project number: G0M-1611-6015

Applicant:	Marantec America Corp.
EUT Name:	Handsender
Model:	RT52
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 20°C, Vnom: 3 VDC
Antenna:	Rohde & Schwarz HK 116, Vertical
Measurement distance:	3 m
Mode:	TX; SRD 916.5 MHz ASK
Test Date:	2016-11-25
Note:	

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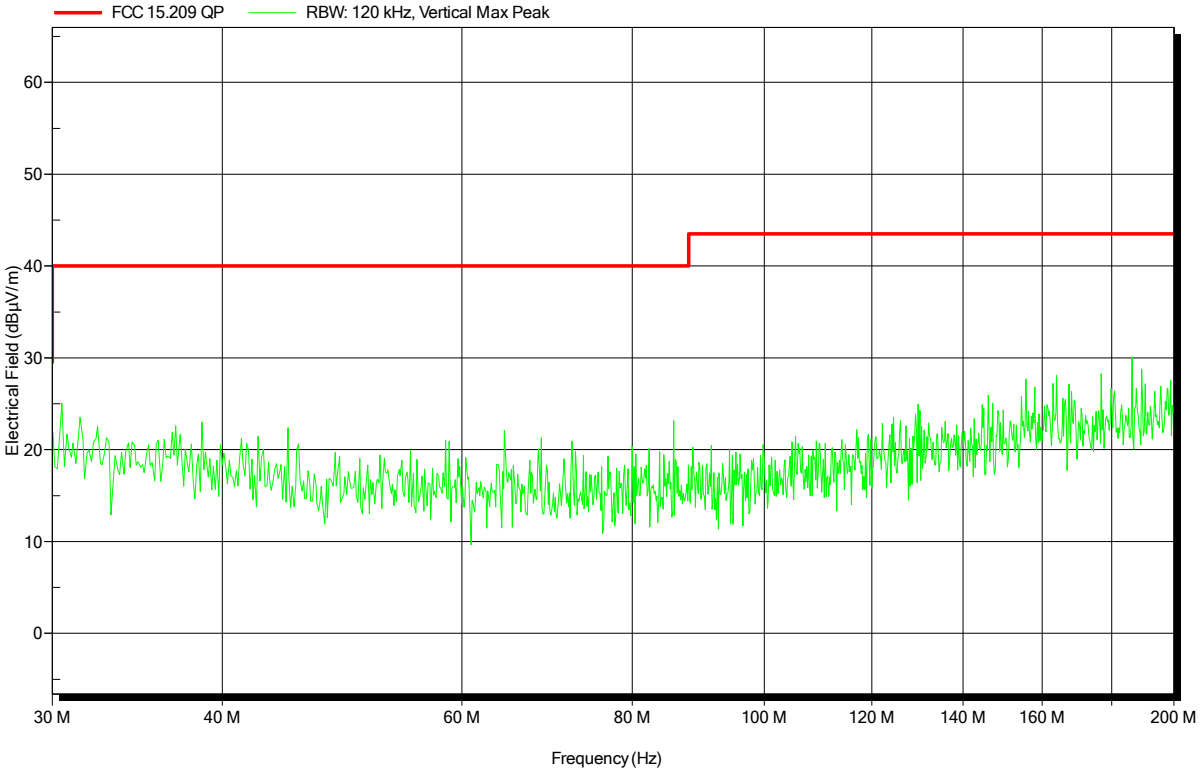

Spurious emissions according to FCC 15.249

Project number: G0M-1611-6015

Applicant:	Marantec America Corp.
EUT Name:	Handsender
Model:	RT52
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 20°C, Vnom: 3 VDC
Antenna:	Rohde & Schwarz HL 223, Horizontal
Measurement distance:	3 m
Mode:	TX; SRD 916.5 MHz ASK
Test Date:	2016-11-25
Note:	

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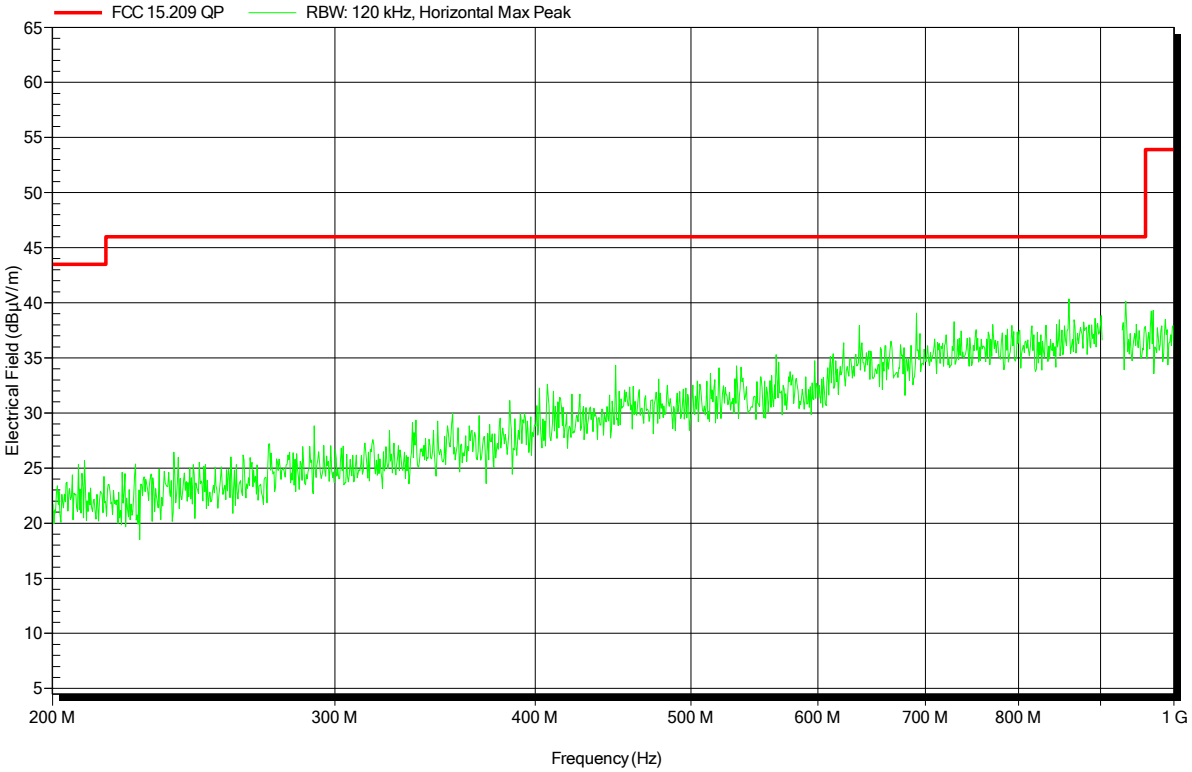

Spurious emissions according to FCC 15.249

Project number: G0M-1611-6015

Applicant:	Marantec America Corp.
EUT Name:	Handsender
Model:	RT52
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 20°C, Vnom: 3 VDC
Antenna:	Rohde & Schwarz HL 223, Horizontal
Measurement distance:	3 m
Mode:	TX; SRD 916.5 MHz ASK
Test Date:	2016-11-25
Note:	

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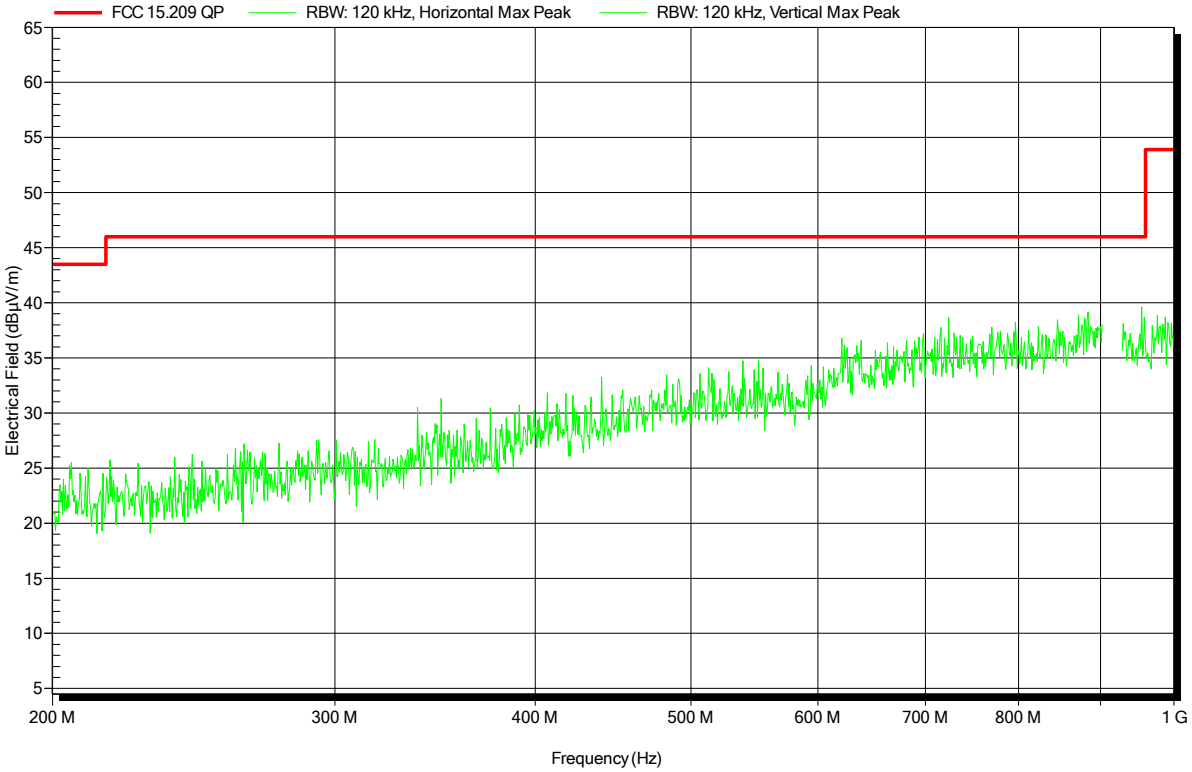

Spurious emissions according to FCC 15.249

Project number: G0M-1611-6015

Applicant:	Marantec America Corp.
EUT Name:	Handsender
Model:	RT52
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 20°C, Vnom: 3 VDC
Antenna:	Schwarzbeck BBHA 9120D, Horizontal
Measurement distance:	3 m
Mode:	TX; SRD 916.5 MHz ASK
Test Date:	2016-11-25
Note:	

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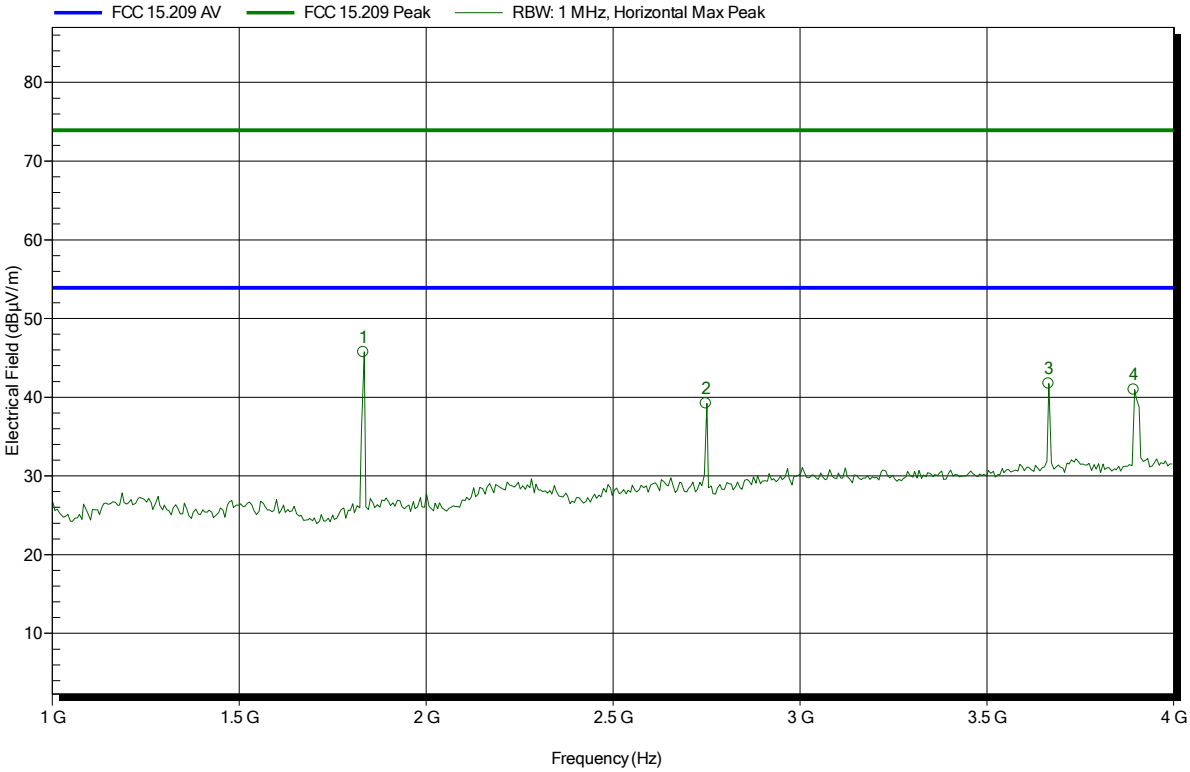

Frequency	Peak	Peak Limit	Peak Difference	Status
1.832 GHz	45.73 dBµV/m	73.9 dBµV/m	-28.17 dB	Pass
2.749 GHz	39.22 dBµV/m	73.9 dBµV/m	-34.68 dB	Pass
3.665 GHz	41.72 dBµV/m	73.9 dBµV/m	-32.18 dB	Pass
3.892 GHz	40.96 dBµV/m	73.9 dBµV/m	-32.94 dB	Pass

Spurious emissions according to FCC 15.249

Project number: G0M-1611-6015

Applicant:	Marantec America Corp.
EUT Name:	Handsender
Model:	RT52
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 20°C, Vnom: 3 VDC
Antenna:	Schwarzbeck BBHA 9120D, Vertical
Measurement distance:	3 m
Mode:	TX; SRD 916.5 MHz ASK
Test Date:	2016-11-25
Note:	

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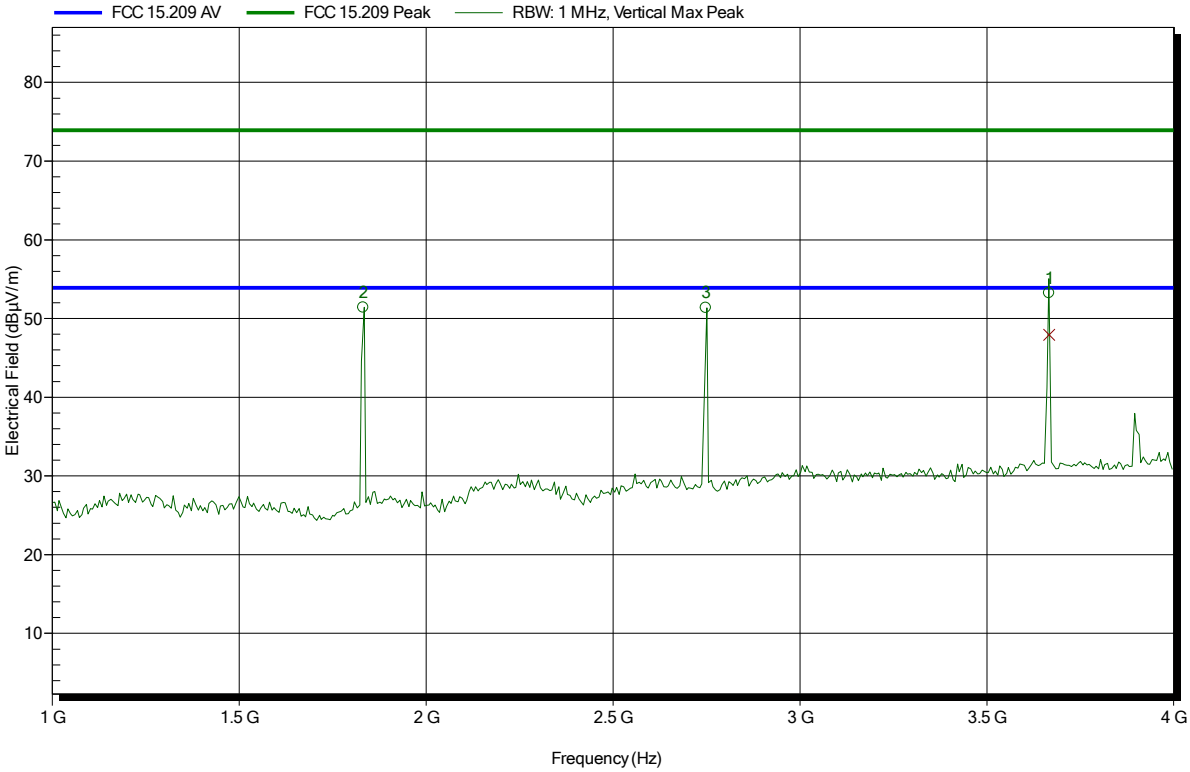

Frequency	Peak	Peak Limit	Peak Difference	Status
1.832 GHz	51.41 dBµV/m	73.9 dBµV/m	-22.49 dB	Pass
2.749 GHz	51.35 dBµV/m	73.9 dBµV/m	-22.55 dB	Pass
3.666 GHz	53.22 dBµV/m	73.9 dBµV/m	-20.68 dB	Pass

Spurious emissions according to FCC 15.249

Project number: G0M-1611-6015

Applicant:	Marantec America Corp.
EUT Name:	Handsender
Model:	RT52
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 20°C, Vnom: 3 VDC
Antenna:	Schwarzbeck BBHA 9120D, Horizontal
Measurement distance:	1 m
Mode:	TX; SRD 916.5 MHz ASK
Test Date:	2016-11-25
Note:	

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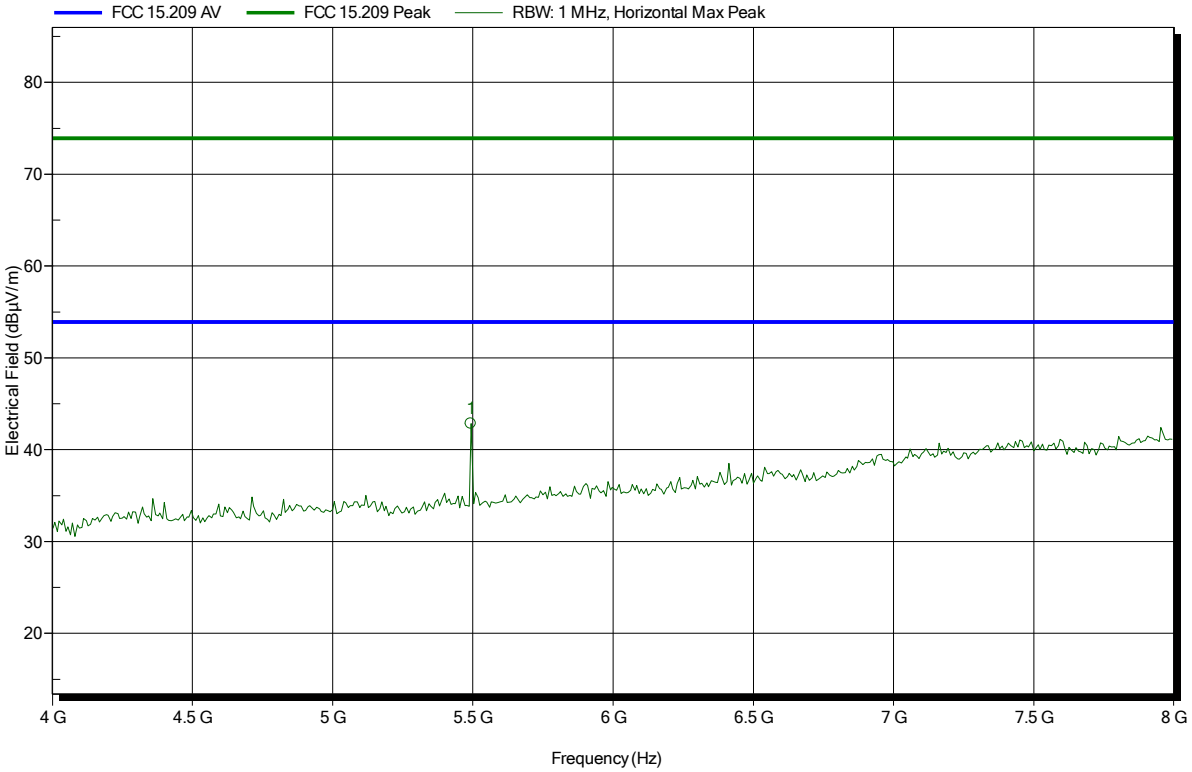

Frequency	Peak	Peak Limit	Peak Difference	Status
5.493 GHz	42.84 dBµV/m	73.9 dBµV/m	-31.06 dB	Pass

Spurious emissions according to FCC 15.249

Project number: G0M-1611-6015

Applicant:	Marantec America Corp.
EUT Name:	Handsender
Model:	RT52
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 20°C, Vnom: 3 VDC
Antenna:	Schwarzbeck BBHA 9120D, Vertical
Measurement distance:	1 m
Mode:	TX; SRD 916.5 MHz ASK
Test Date:	2016-11-25
Note:	

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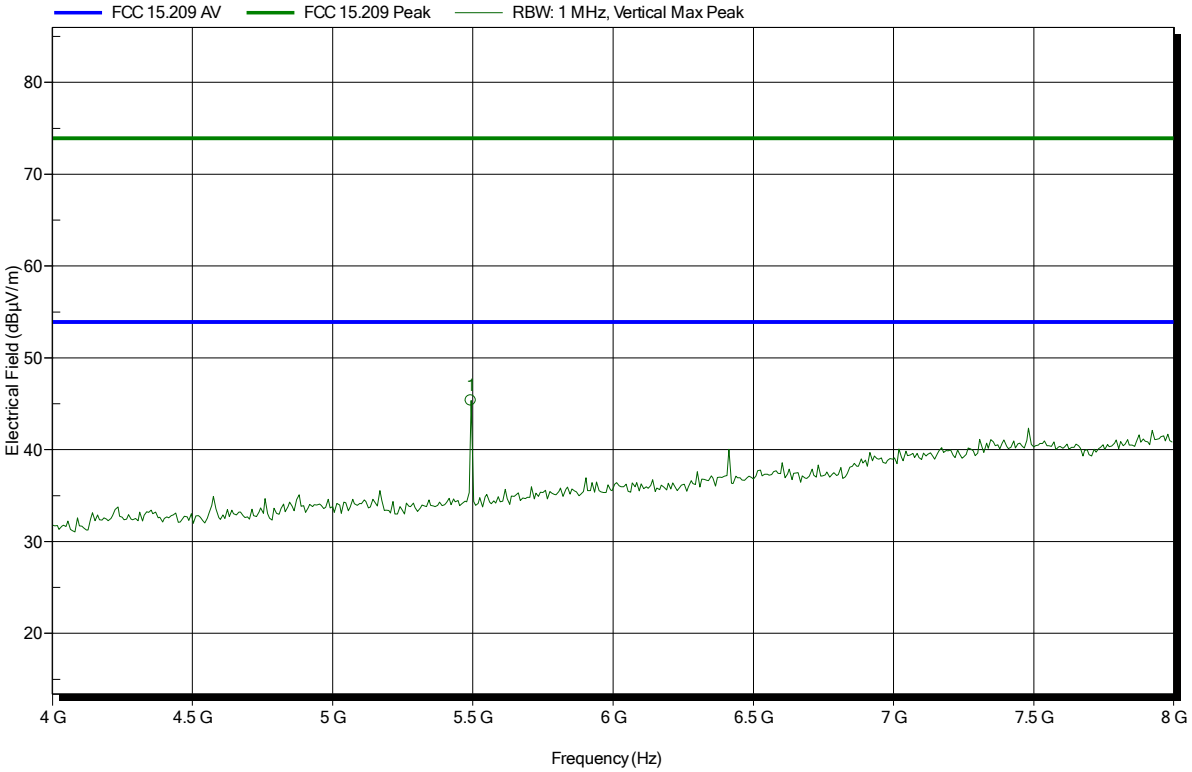

Frequency	Peak	Peak Limit	Peak Difference	Status
5.493 GHz	45.36 dBµV/m	73.9 dBµV/m	-28.54 dB	Pass

Spurious emissions according to FCC 15.249

Project number: G0M-1611-6015

Applicant:	Marantec America Corp.
EUT Name:	Handsender
Model:	RT52
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 20°C, Vnom: 3 VDC
Antenna:	Schwarzbeck BBHA 9120D, Horizontal
Measurement distance:	1 m
Mode:	TX; SRD 916.5 MHz ASK
Test Date:	2016-11-25
Note:	

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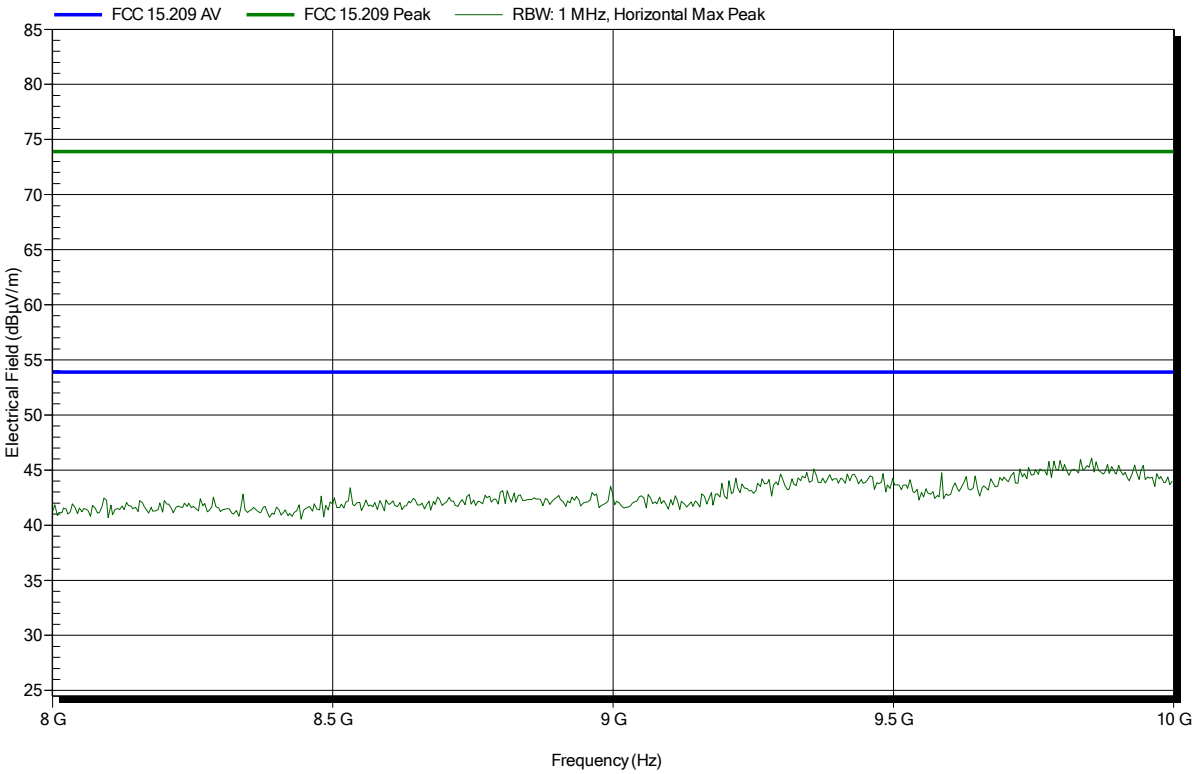

Spurious emissions according to FCC 15.249

Project number: G0M-1611-6015

Applicant:	Marantec America Corp.
EUT Name:	Handsender
Model:	RT52
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 20°C, Vnom: 3 VDC
Antenna:	Schwarzbeck BBHA 9120D, Vertical
Measurement distance:	1 m
Mode:	TX; SRD 916.5 MHz ASK
Test Date:	2016-11-25
Note:	

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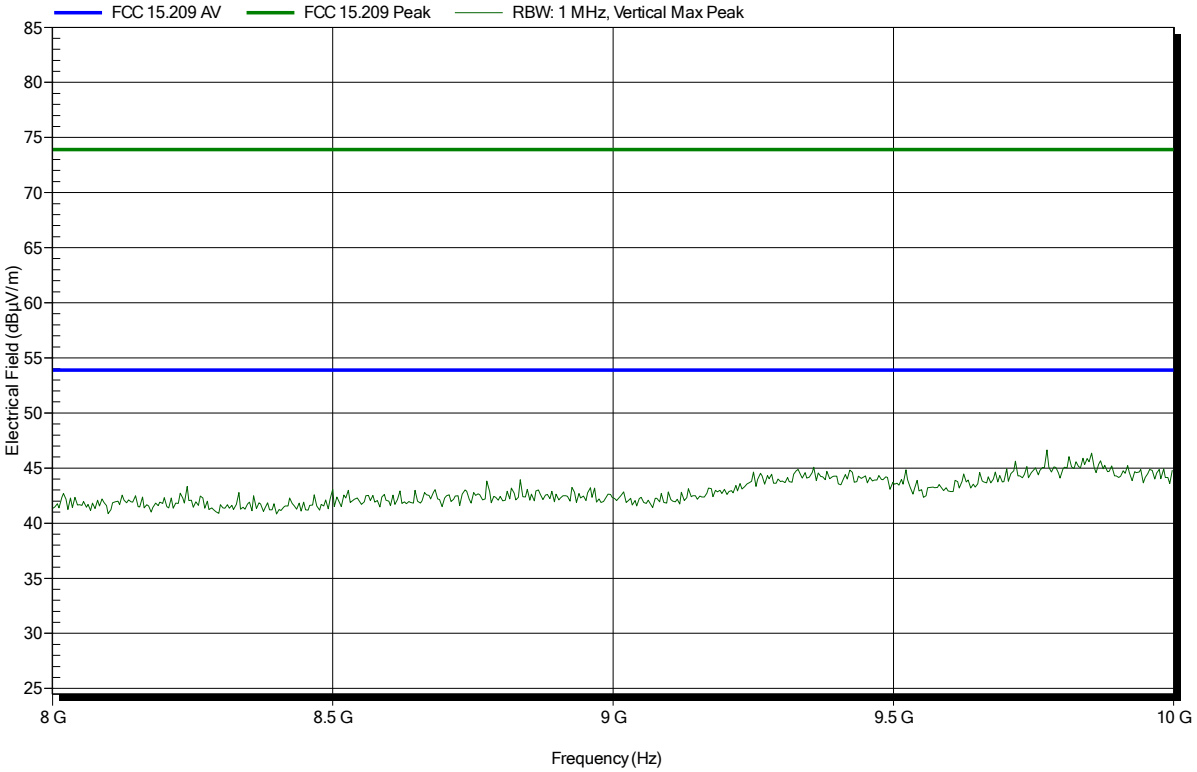

ANNEX B Receiver radiated spurious emissions

Spurious emissions according to RSS-Gen

Project number: G0M-1611-6015

Applicant:	Marantec America Corp.
EUT Name:	Handsender
Model:	RT52
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 20°C, Vnom: 3 VDC
Antenna:	Rohde & Schwarz HK 116, Horizontal
Measurement distance:	3 m
Mode:	RX; SRD 916.5 MHz ASK
Test Date:	2016-11-25
Note:	

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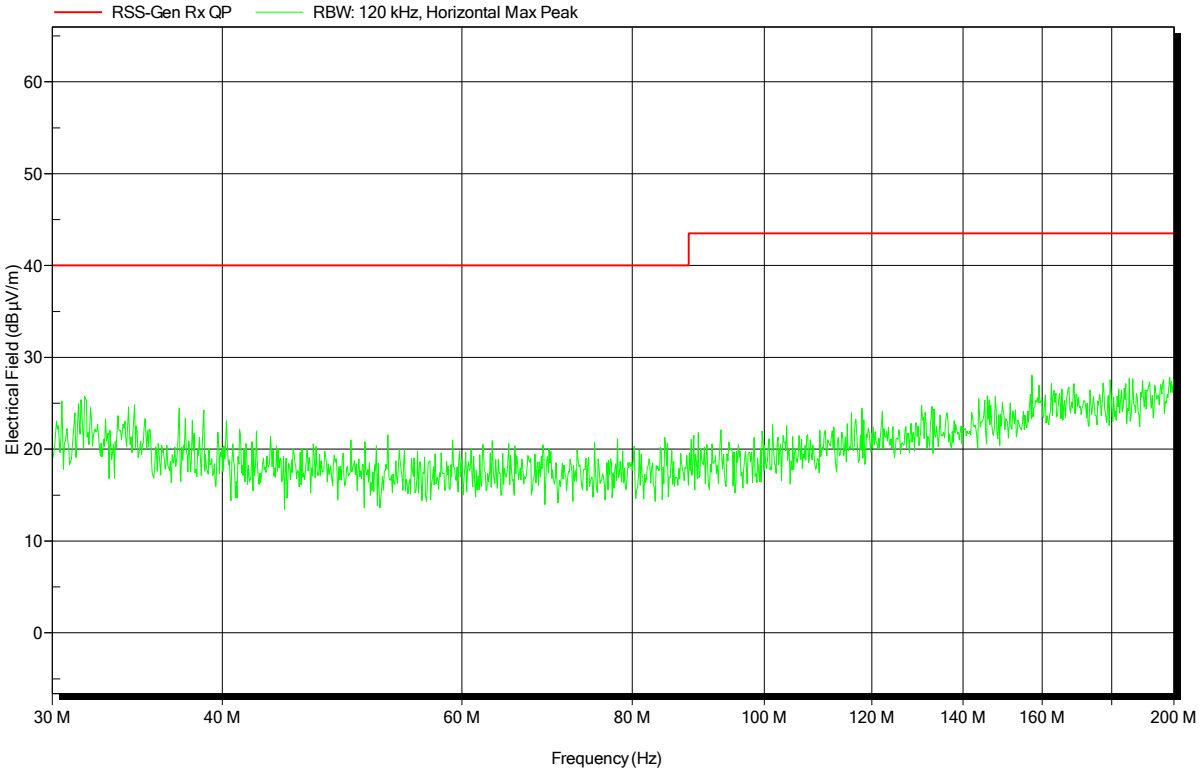

Spurious emissions according to RSS-Gen

Project number: G0M-1611-6015

Applicant:	Marantec America Corp.
EUT Name:	Handsender
Model:	RT52
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 20°C, Vnom: 3 VDC
Antenna:	Rohde & Schwarz HK 116, Vertical
Measurement distance:	3 m
Mode:	RX; SRD 916.5 MHz ASK
Test Date:	2016-11-25
Note:	

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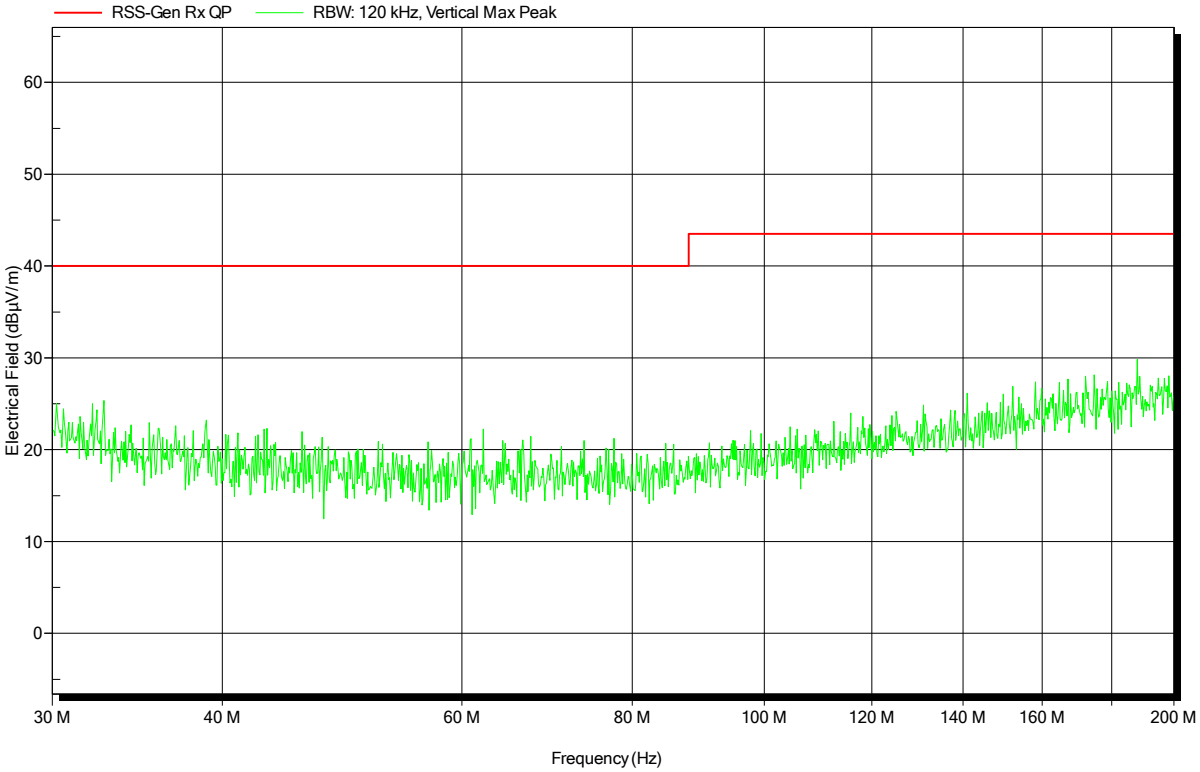

Spurious emissions according to RSS-Gen

Project number: G0M-1611-6015

Applicant:	Marantec America Corp.
EUT Name:	Handsender
Model:	RT52
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 20°C, Vnom: 3 VDC
Antenna:	Rohde & Schwarz HL 223, Horizontal
Measurement distance:	3 m
Mode:	RX; SRD 916.5 MHz ASK
Test Date:	2016-11-25
Note:	

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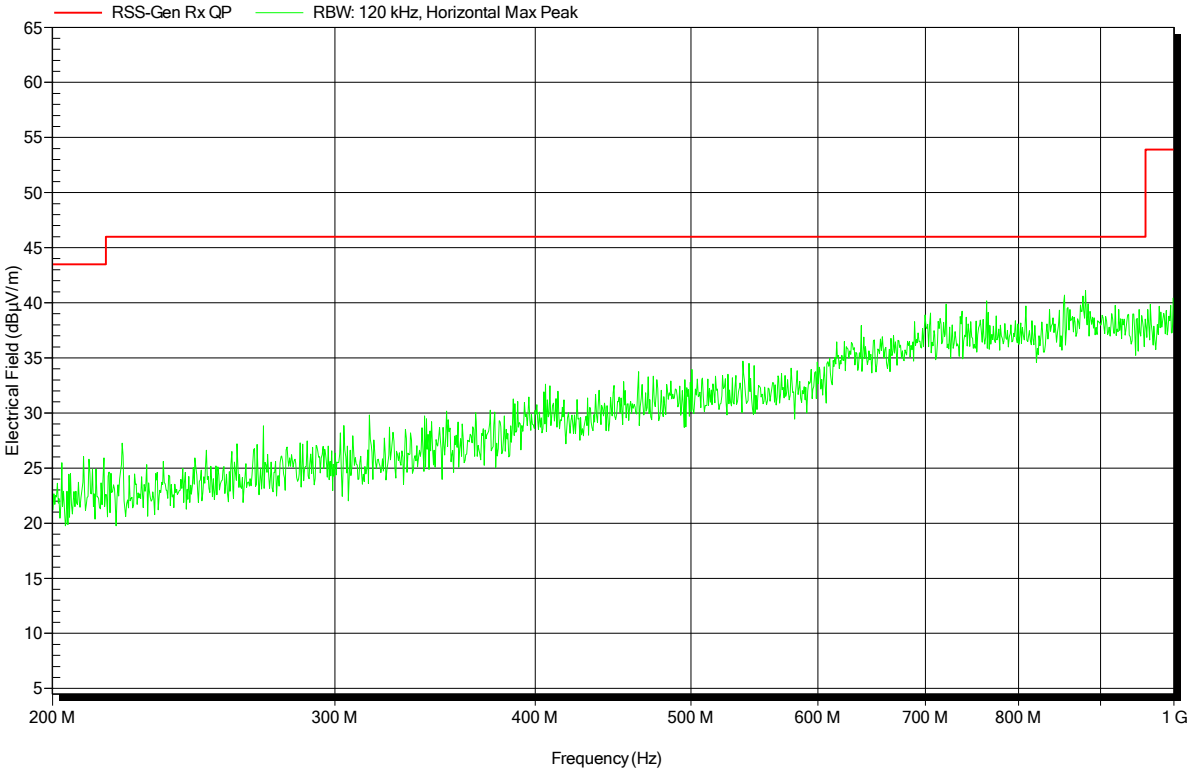

Spurious emissions according to RSS-Gen

Project number: G0M-1611-6015

Applicant:	Marantec America Corp.
EUT Name:	Handsender
Model:	RT52
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 20°C, Vnom: 3 VDC
Antenna:	Rohde & Schwarz HL 223, Vertical
Measurement distance:	3 m
Mode:	RX; SRD 916.5 MHz ASK
Test Date:	2016-11-25
Note:	

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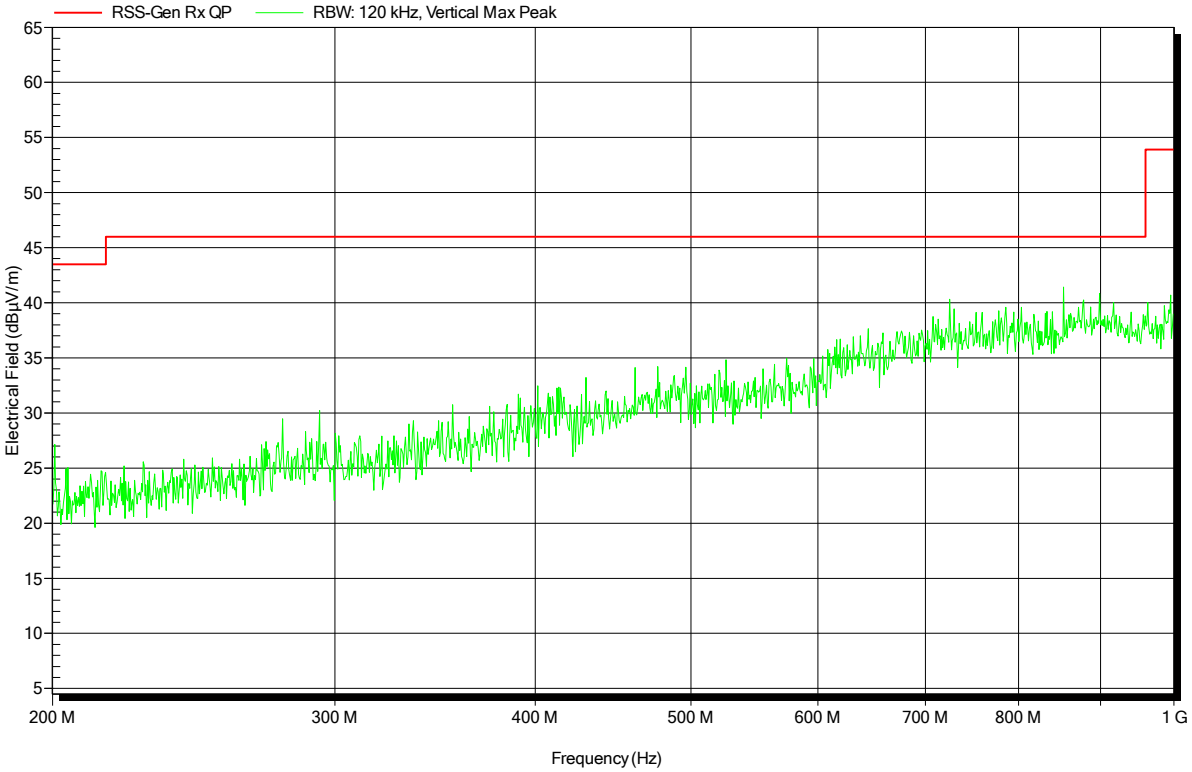

Spurious emissions according to RSS-Gen

Project number: G0M-1611-6015

Applicant:	Marantec America Corp.
EUT Name:	Handsender
Model:	RT52
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 20°C, Vnom: 3 VDC
Antenna:	Schwarzbeck BBHA 9120D, Horizontal
Measurement distance:	3 m
Mode:	RX; SRD 916.5 MHz ASK
Test Date:	2016-11-25
Note:	

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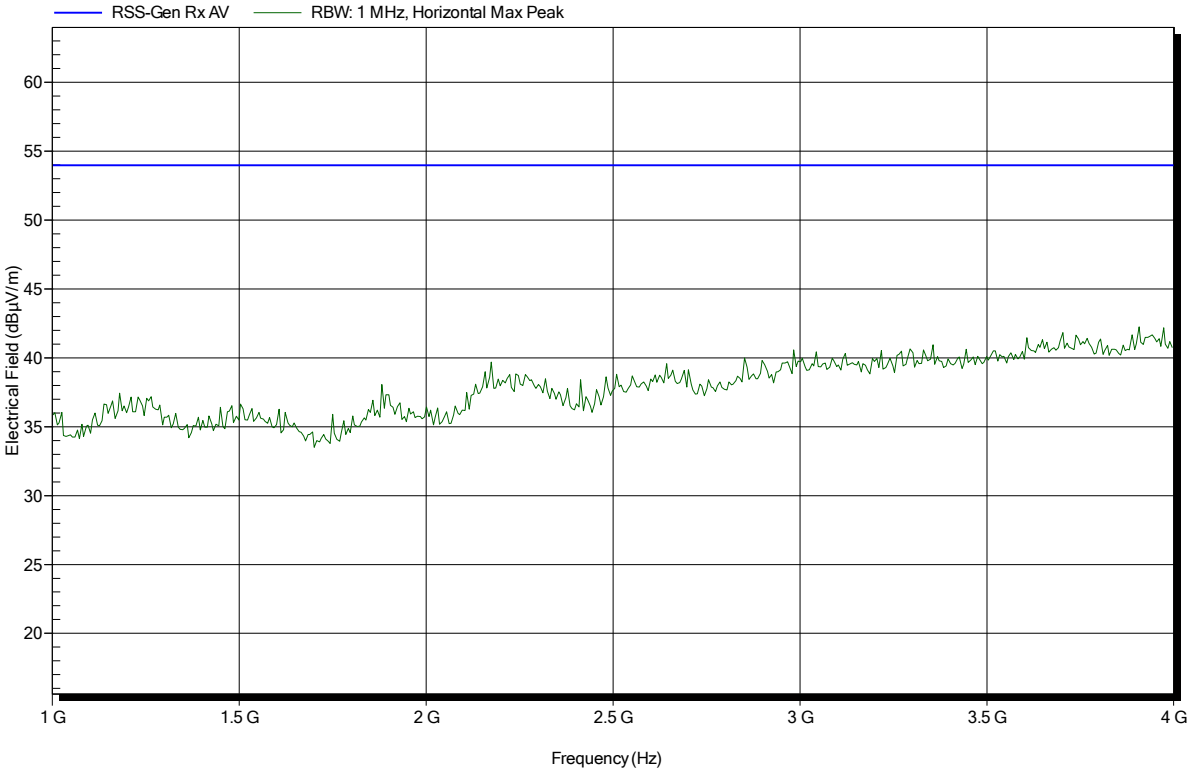

Spurious emissions according to RSS-Gen

Project number: G0M-1611-6015

Applicant:	Marantec America Corp.
EUT Name:	Handsender
Model:	RT52
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 20°C, Vnom: 3 VDC
Antenna:	Schwarzbeck BBHA 9120D, Vertical
Measurement distance:	3 m
Mode:	RX; SRD 916.5 MHz ASK
Test Date:	2016-11-25
Note:	

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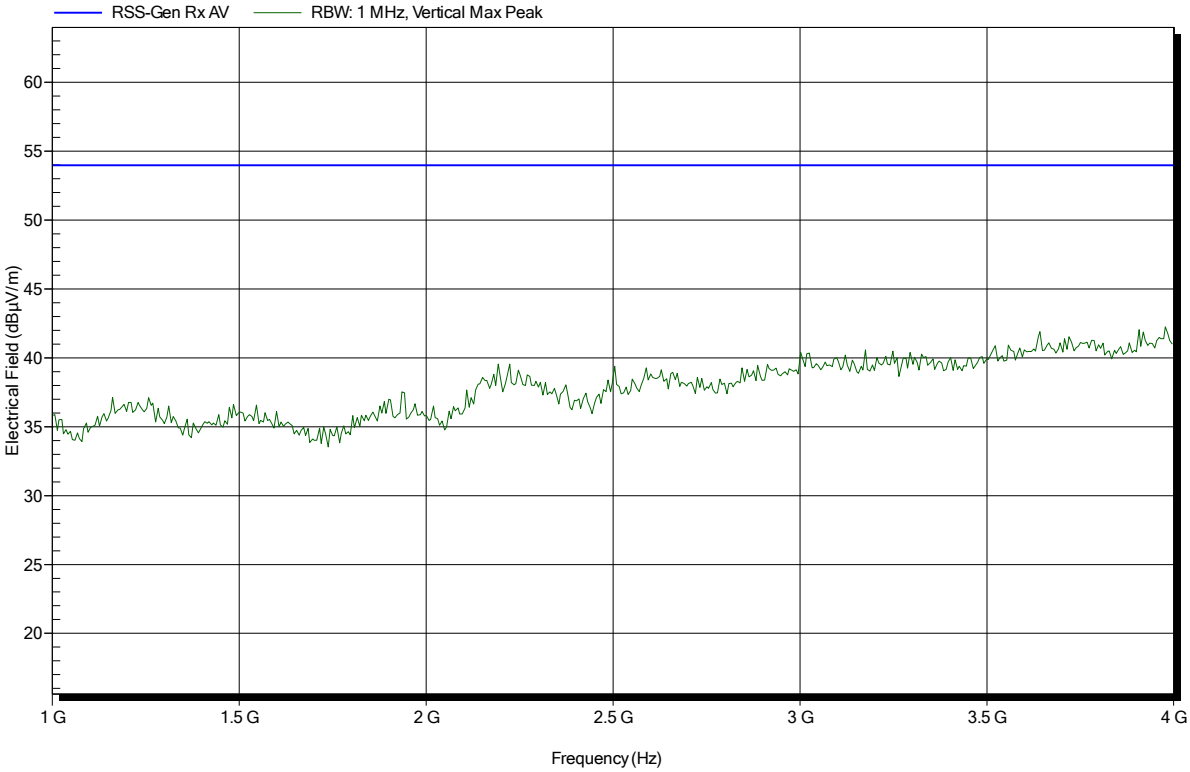

Spurious emissions according to RSS-Gen

Project number: G0M-1611-6015

Applicant:	Marantec America Corp.
EUT Name:	Handsender
Model:	RT52
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 20°C, Vnom: 3 VDC
Antenna:	Schwarzbeck BBHA 9120D, Horizontal
Measurement distance:	3 m
Mode:	RX; SRD 916.5 MHz ASK
Test Date:	2016-11-25
Note:	

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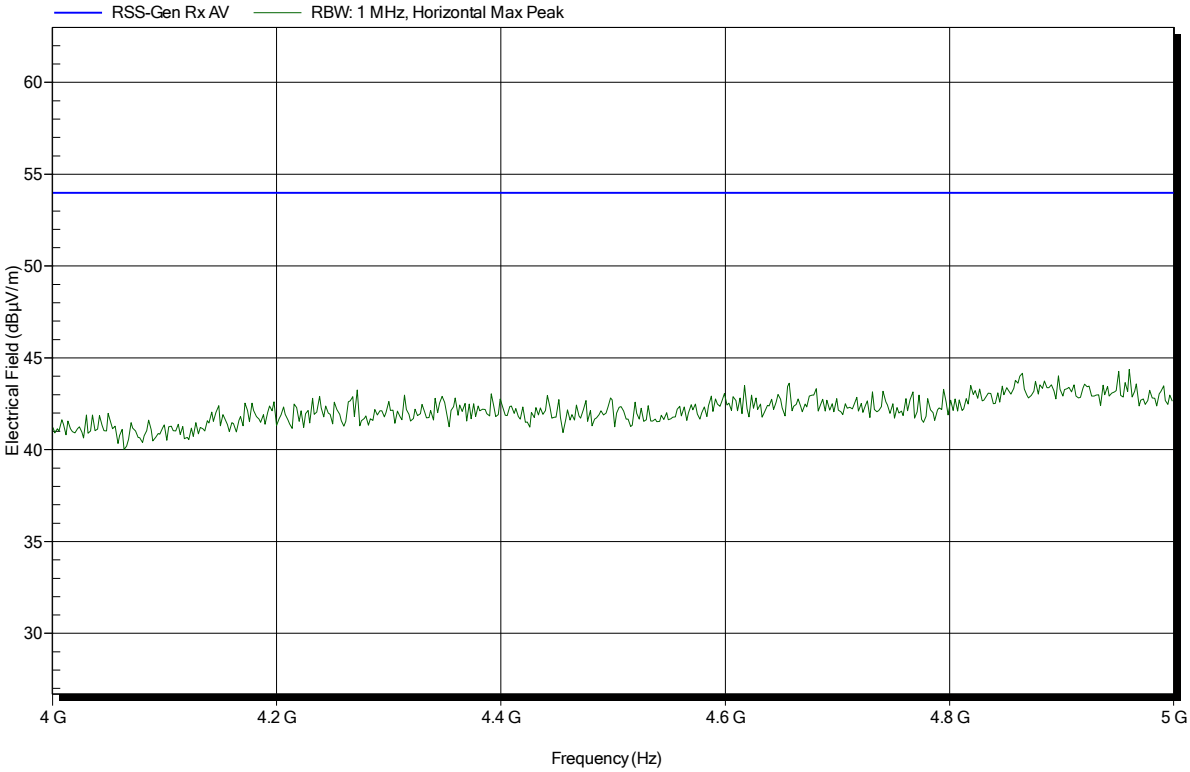
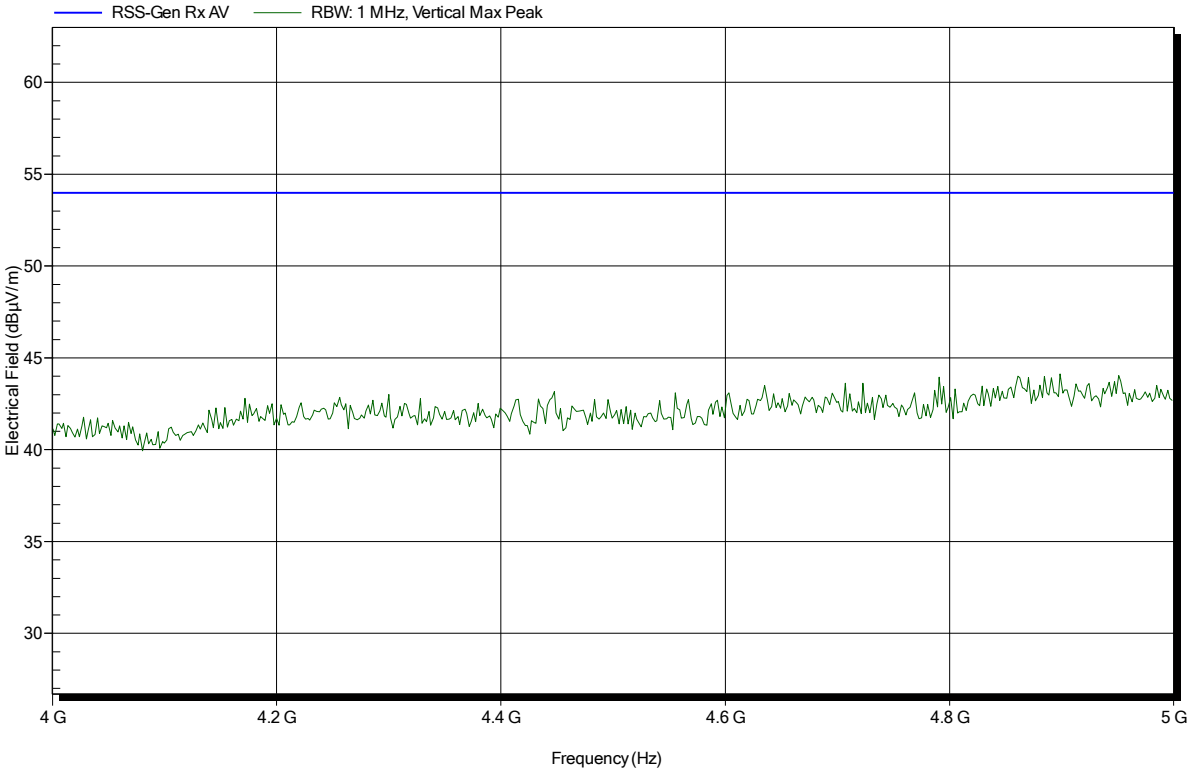


Spurious emissions according to RSS-Gen

Project number: G0M-1611-6015

Applicant:	Marantec America Corp.
EUT Name:	Handsender
Model:	RT52
Test Site:	Eurofins Product Service GmbH
Operator:	Mr. Suckow
Test Conditions:	Tnom: 20°C, Vnom: 3 VDC
Antenna:	Schwarzbeck BBHA 9120D, Vertical
Measurement distance:	3 m
Mode:	RX; SRD 916.5 MHz ASK
Test Date:	2016-11-25
Note:	

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