CMC Centro Misure Compatibilità S.r.l.
Via della Fisica, 20
36016 Thiene (VI) – ITALY
Tel./Fax +39 0445 367702
www.cmclab.it - info@cmclab.it

LAB N° 0168

Independent Testing Laboratory
Accredited by ACCREDIA according to UNI CEI EN ISO/IEC 17025 cert. nr. 0168

TEST REPORT nr. R18108401

Federal Communication Commission (FCC)

Test item

Description .....: TRANSMITTER UNIT
Trademark .....: AUTEC
Model/Type .....: Model LKN Type LA2MH
FCC ID .....: OQA-LKNLA2MH

Test Specification

Standard.....: FCC Rules & Regulations, Title 47:2017
Part 15 paragraph(s): 203, 207, 209 and 247

Client's name .....: AUTEC S.r.l.
Address .....: Via Pomaroli, 65 – 36030 Caldogno (VI) – ITALY

Manufacturer's name : Same as client
Address .....: --

Report

Tested by .....: G. Gandini .....

Approved by .....: R. Beghetto – *Laboratory Manager* .....
Date of issue .....: 25.09.18
Contents.....: 96 pages

Index

1. Summary

Standard:

FCC Rules & Regulations, Title 47:2017
Part 15 paragraph(s): 203, 204, 205, 207, 209 and 247

Test specifications	*Environmental Phenomena*	*Tests sequence*	*Result*
Part 15.247 (a) (1)	Pseudo randomly ordered list of hopping frequencies	1	Complies
Part 15.203	Antenna requirements	2	Complies
Part 15.207	Conducted emissions	--	N.A. (+)
Part 15.209	Radiated emissions	3	Complies
Part 15.247	20 dB Bandwidth	4	Complies
Part 15.247	Channel Separation	5	Complies
Part 15.247	Number of Hopping Channel	6	Complies
Part 15.247	Time of occupancy	7	Complies
Part 15.247	Band edge	8	Complies
Part 15.209 and 15.247	Peak Output Power	9	Complies
Part 15.209	Spurious emission	10	Complies

(+) Devices which only employ battery power. See FCC Part 15.207 (c)

The Test Report was given to the Client representatives for necessary documentation of ratification of the tested equipment and it is valid for the FCC certification

2. Description of Equipment under test (EUT)

Power supply	:	3,7 Vdc from battery
Type of equipment	:	☑ Transmitter Unit
		☑ Receiver Unit
Type of station	:	❑ Fixed station
		❑ Portable station
		☑ Mobile station
Frequency band	:	902 – 928 MHz
Nominal frequencies	:	F_L: 915,05 MHz F_M: 921,40 MHz F_H: 927,80 MHz
Pseudo randomly ordered list of hopping frequencies	:	See document lkn_la2mh_operational_description-rev0

2.1 Test Site

Company	:	CMC Centro Misure Compatibilità S.r.l.
Address	:	Via della Fisica, 20
		36016 Thiene (VI) – ITALY
Test site facility's FCC registration number	:	182474

3. Testing and sampling

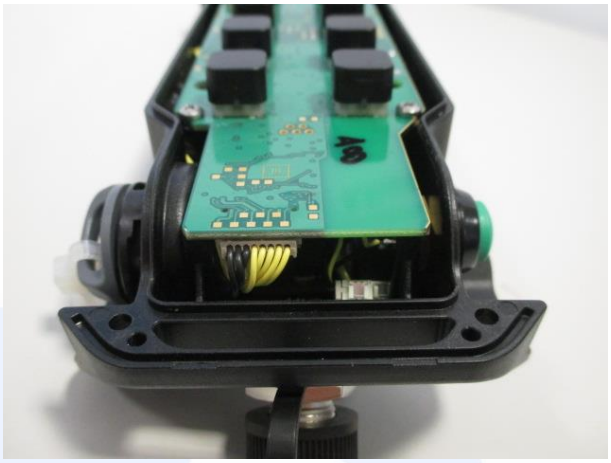
Date of receipt of test item	:	02.05.18
Testing start date	:	05.06.18
Testing end date	:	13.09.18
Samples tested nr.	:	1
Sampling procedure.	:	Equipment used for testing was picked up by the manufacturer, at the end of the production process with random criterion
Internal identification	:	adhesive label with the product number P180546

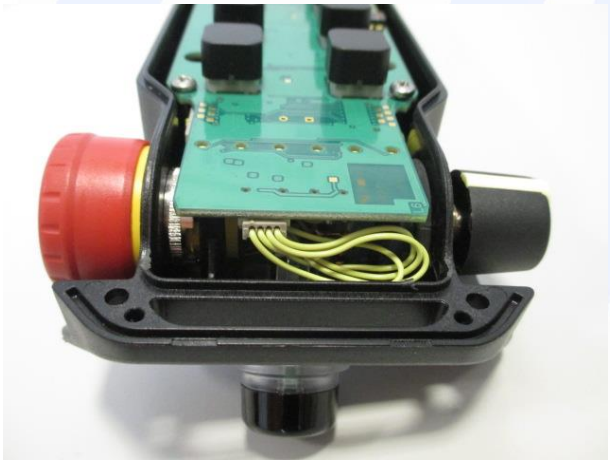
4. Operative conditions

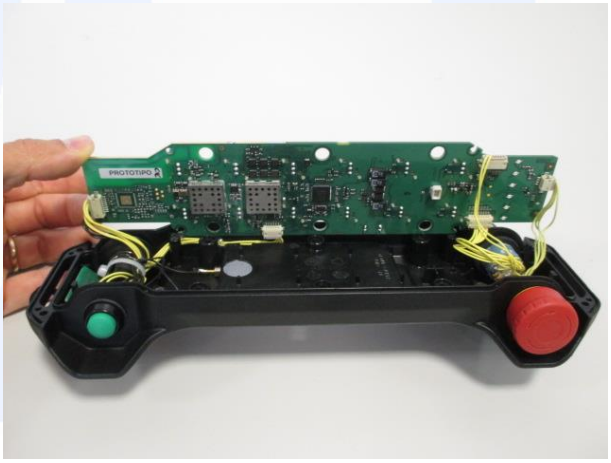
EUT exercising	:	EUT in continuous transmission at maximum power

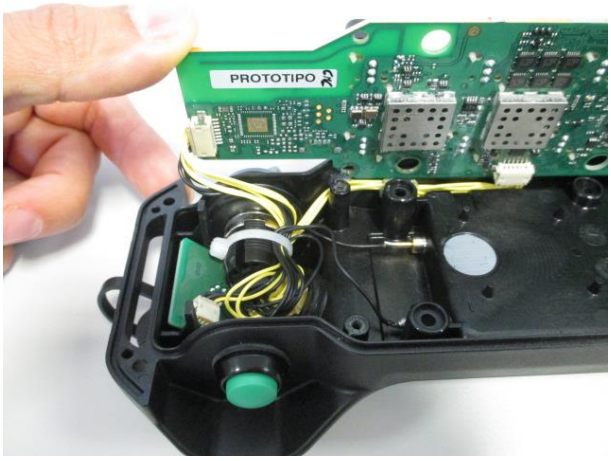
5. Photograph(s) of EUT

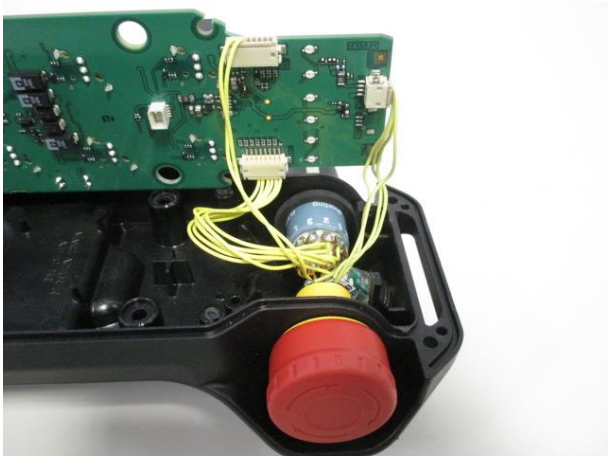
5.1 Photograph(s) of EUT

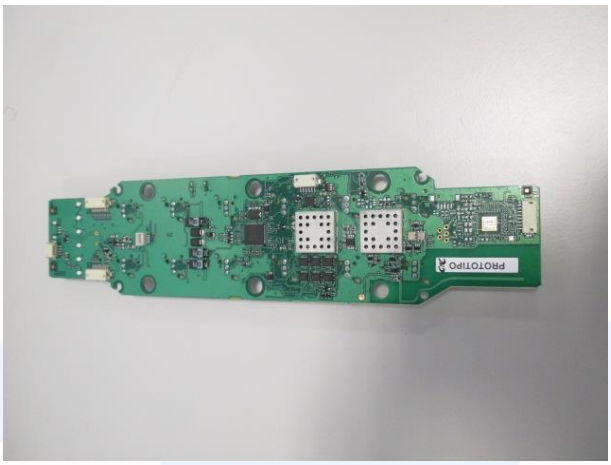












6. Equipment list

Id. number	*Manufacturer*	*Model*	*Description*	*Serial number*	*Last calibration*	*Due date calibration*
CMC S010	Rohde & Schwarz	ESH3-Z2	Impulses Limiting Device	- - -	January '18	January '19
CMC S108	EMCO	3115	Horn Antenna	9811-5622	June '16	June '19
CMC S127	Schaffner	HLA6120	Loop Antenna	1191	November '13	November '18
CMC S164	Rohde & Schwarz	ESU26	EMC interference receiver	100052	January '18	January '19
CMC S200	Schwarzbeck	NSLK 8128	V-LISN	8128-273	January '18	January '19
CMC S227	Rohde & Schwarz	ESR7	EMI Test Receiver 7GHz	101121	January '18	January '19
CMC S260	CMC	Wfr_N	Shielded Cable	Wfr_ant10-1	November '17	November '18
CMC S261	CMC	Wfr_N	Shielded Cable	Wfr_ant20-1	November '17	November '18
CMC S262	CMC	Wfr_N_fix	Shielded Cable	Wfr_fix32-1	November '17	November '18
CMC S263	CMC	Wfr_N_fix	Shielded Cable	Wfr_fix31-1	November '17	November '18
CMC S264	CMC	Wfr_N	Shielded Cable	Wfr_ext03-1	November '17	November '18
CMC S271	Schwarzbeck	BBA 9106 + VHBB 9124	Biconical Antenna (30-300MHz)	831	June '16	June '19
CMC S287	Schwarzbeck	VUSLP 9111B	Log-periodic Antenna (200 MHz-3Ghz)	9111B-203	June '16	June '19
CMC S288	CMC	W_sma_white	Joint Shielded Cable	W_001	November '17	November '18

7. Measurement uncertainty

Test	Test Setup	Expanded uncertainty	Note
Conducted emission CISPR 16 LISN 50uH 0,009-0,0150MHz	PE001_01	3,4 dB	1
Conducted emission CISPR 16 LISN 50uH 0,150-30,0MHz	PE001_01	2,8 dB	1
Conducted emission CISPR 16 Voltage Probe 0,15-30MHz	PE001_02	2,6 dB	1
Conducted emission CISPR 16 Current Probe 0,15-30MHz	PE001_03	2,2 dB	1
Conducted emission CISPR 16 ISN 0,15-30MHz	PE001_04	4,5 dB	1
Clic CISPR 16 LISN 50uH 0,150-30,0MHz	PE001_05	3,1 dB	1
Disturbance Power 30-300 MHz	PE002_01	3,4 dB	1
Radiated Emission LAS 0,15-30MHz	PE003_01	1,5 dB	1
Radiated Emission CISPR 16 Loop Ant. 0,15-30MHz	PE004_01	3,8 dB	1
Radiated Emission CISPR 16 Bicon. Ant. 30-300MHz	PE004_02	3,3 dB	1
Radiated Emission CISPR 16 LogP. Ant. 300-1000MHz	PE004_03	3,1 dB	1
Radiated Emission CISPR 16 Horn Ant. 1-18GHz	PE004_04	3,6 dB	1
Human Exposure to electromagnetic fields	PE005_01	15,0 %	1
Harmonic current emissions test	PE006_01	10 mA + 1,6 %	1
Voltage fluctuation and flicker test	PE007_01	4,2 %	1
Radiated Immunity 80MHz-6GHz	PE102_XX	2,1 dB 0,82 V/m a 3V/m	1
Conducted Immunity 0,15-230MHz	PE105_XX	1,2 dB 0,44 V a 3V	1
AC Magnetic field	PE106_01	1,55 % 0,15 A/m a 10A/m	1
Pulse Magnetic field	PE107_01	6,24 % 18,7 A/m a 300A/m	1
Dumped Magnetic field	PE108_01	6,24 % 1,87 A/m a 30A/m	1
Common mode conducted immunity	PE112_01	2,20 % 0,22 V a 10V	1

Test	Test Setup	Expanded uncertainty	Note
Power/Spurious 9kHz-30MHz	PR001_01	3,8 dB	1
Power/Spurious ERP 30-1000MHz d=10m	PR001_02+03	4,3 dB	1
Misura della potenza EiRP 1-18GHz d=3m	PR001_04	4,3 dB	1
Misura della potenza EiRP 18-40GHz d=3m	PR001_05	5,5 dB	1
Frequency error	PR002_01+02	< 1x10-7	1
Timing zero span (1001pts.)	PR002_01+02	0,2 % SWT	1
Modulation bandwidth	PR002_01+02	< 1x10-7	1
Conducted RF power and spurious emission	PR002_01+02	1,2 dB	1
Adjacent channel power	PR002_01+02	1,2 dB	1
Blocking	PR002_01+02	1,2 dB	1

Test	Test Setup	Expanded uncertainty	Note
Electrostatic discharge immunity test	PE101_0X		2
Electrical fast transients / burst immunity test	PE103_0X		2
Surge immunity test	PE104_0X		2
Short interruption immunity test	PE109_01		2
Rev_18_01 date 30/01/2018			

Note 1:
The expanded uncertainty reported according to EN55016-4-2:2011 is based on a standard uncertainty multiplied by a coverage factor of K=2, providing a level of confidence of p = 95%

Note 2:

It has been demonstrated that the used test equipment meets the specified requirements in the standard with at least a 95% confidence, covering factor k = 2

8. Reference documents

Reference no.	*Description*
FCC Rules and Regulation Title 47 part 15:2017	--
ANSI C63.4:2014	American National Standard for Methods of Measuring of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz – 40 GHz
ANSI C63.10:2013	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
Internal Procedure PM001 rev. 3.0 (Quality Manual)	Measure Procedure
Internal procedure INC_M rev. 9.0 (Quality Manual)	Measurement uncertainty calculation

9. Deviation from test specification

None

10. Test case verdicts

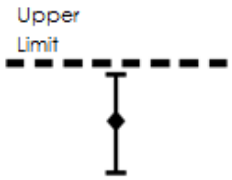
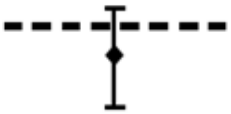
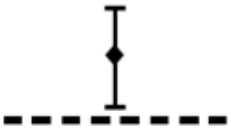
Test case does not apply to the test object	:	N.A.
Test item does meet the requirement	:	Complies
Test item does not meet the requirement	:	Does not comply
Test not performed	:	N.E.

11. Results

In this clause tests results are reported.

Measurement uncertainty is in accordance with document CMC INC_M rev. 9.0.

Judgement of compliance:

Case 1	Case 2	Case 3	Case 4
			
The sample complies with the requirement.	The sample complies with the requirement.	The sample does not comply with the requirement.	The sample does not comply with the requirement.
The measurement results is within the specification limit when the measurement uncertainty is taken into account.	It is not possible to state compliance using a 95% coverage probability for the expanded uncertainty although the measurement result is below the limit.	It is not possible to state compliance using a 95% coverage probability for the expanded uncertainty also the measurement result is upper the limit.	The measurement results is outside the specification limit when the measurement uncertainty is taken into account.

In agreement with ILAC-G8: 03/2009 Guidelines on the Reporting of Compliance with Specification.

11.1 Antenna requirements

Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part 15.203 and 15.204
- Internal procedure PM001
- See clause 4 of this test report

Test configuration and test method

Test site:
Laboratory

Auxiliary equipment:
See clause 4 of this test report

EUT exercising

See clause 4 of this test report

Test equipment used

--
Measurement uncertainty: See clause 7 of this test report

Test specification

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.
The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.
The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, § 15.213, § 15.217, § 15.219, or § 15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded

Environmental conditions

Temperature (°C)	*Atmospheric pressure (kPa)*	*Relative humidity (%)*
20	100	45

Result

Antenna Type	*External R.F. power amplifier*	*Gain*	*Remarks*	*Results*
Externa antenna	Not Present	0 dBi	--	Complies

Result: The requirements are met

11.2 Radiated emissions

Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part. 15.209
- Internal procedure PM001
- See clause 4 of this test report

Test configuration and test method

Test site:
Semi-anechoic chamber

Auxiliary equipment:
See clause 4 of this test report

EUT exercising

See clause 4 of this test report

Test equipment used

CMC S108, CMC S127, CMC S164, CMC S271, CMC S287
Measurement uncertainty: See clause 7 of this test report

Test specification

Port: Enclosure
Frequency range: 0,009 MHz – 10000 MHz
Antenna polarization: Horizontal (H) – Vertical (V)
10 m for frequencies ≤ 30 MHz
3 m for frequencies > 30 MHz

Environmental conditions

Temperature (°C)	*Atmospheric pressure (kPa)*	*Relative humidity (%)*
22	100	45

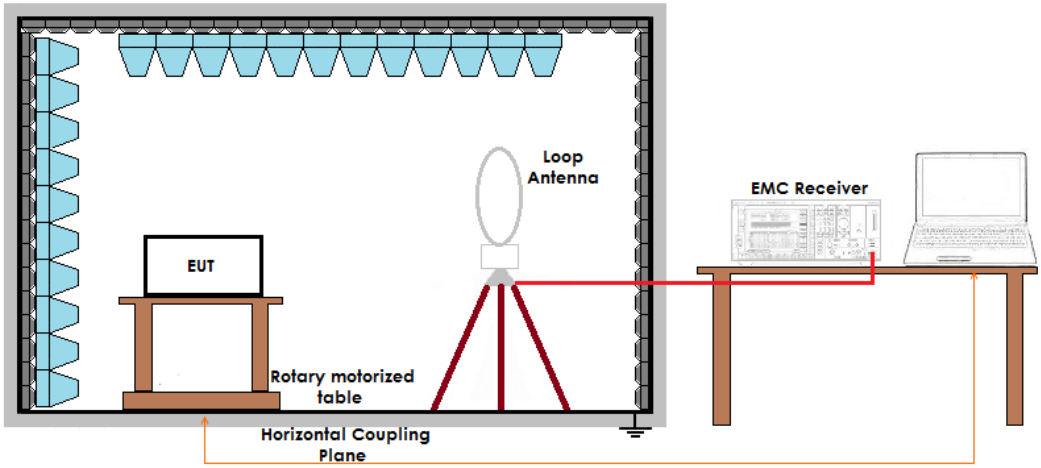
Acceptance limits

Frequency range (MHz)	*Test distance (m)*	*Limits [dB(µV/m)]*	
0,009 to 0,490	300	48,5 to 13,8	
0,490 to 1,705	30	33,8 to 22,9	
1,705 to 30	30	29,5	
30 to 88	3	40	
88 to 216	3	43,5	
216 to 960	3	46,0	
Above 960	3	53,9	
	Test distance (m)	*Linear average detector [dB(µV/m)]*	*Peak detector [dB(µV/m)]*
Above 1000	3	53,9	73,9

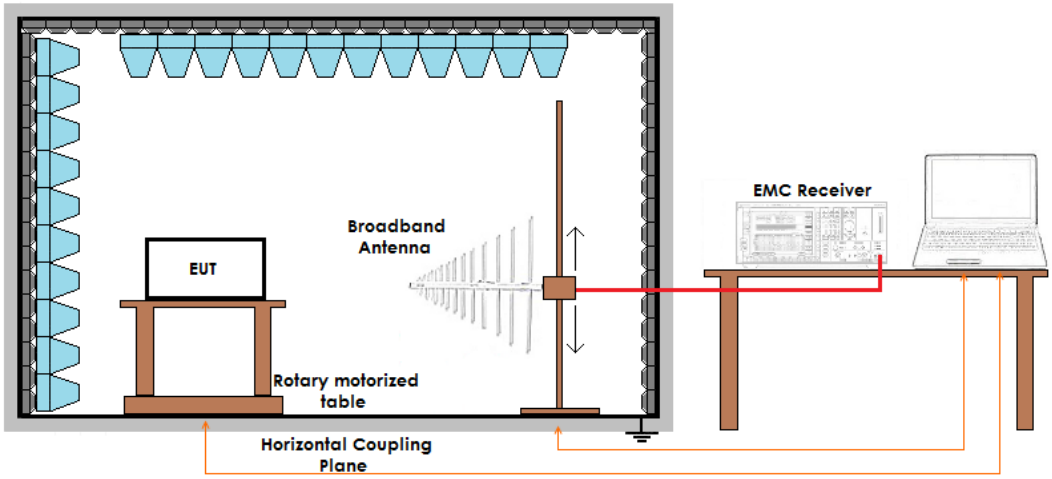
Remarks: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector. The results have been extrapolated to the specified distance using an extrapolation factor

Setup

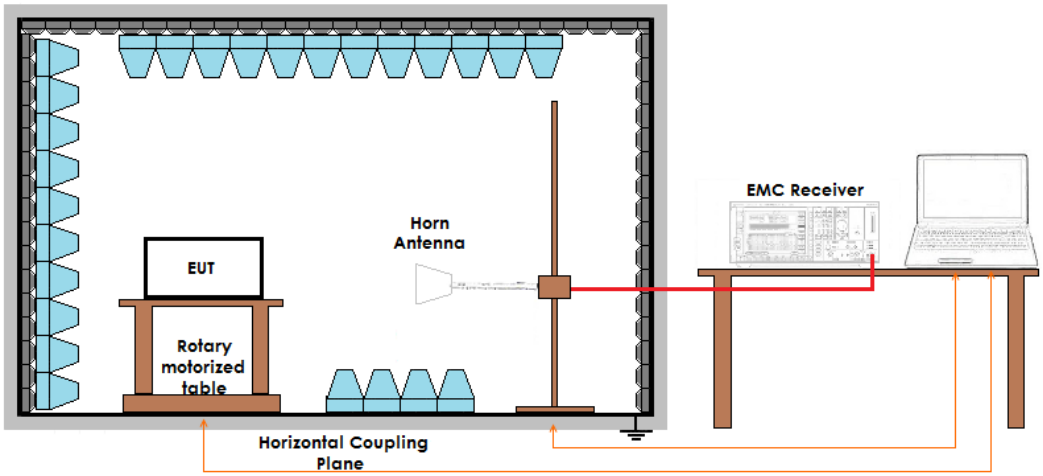
Frequency ≤ 30 MHz



Frequency ≤ 1 GHz



Frequency > 1 GHz



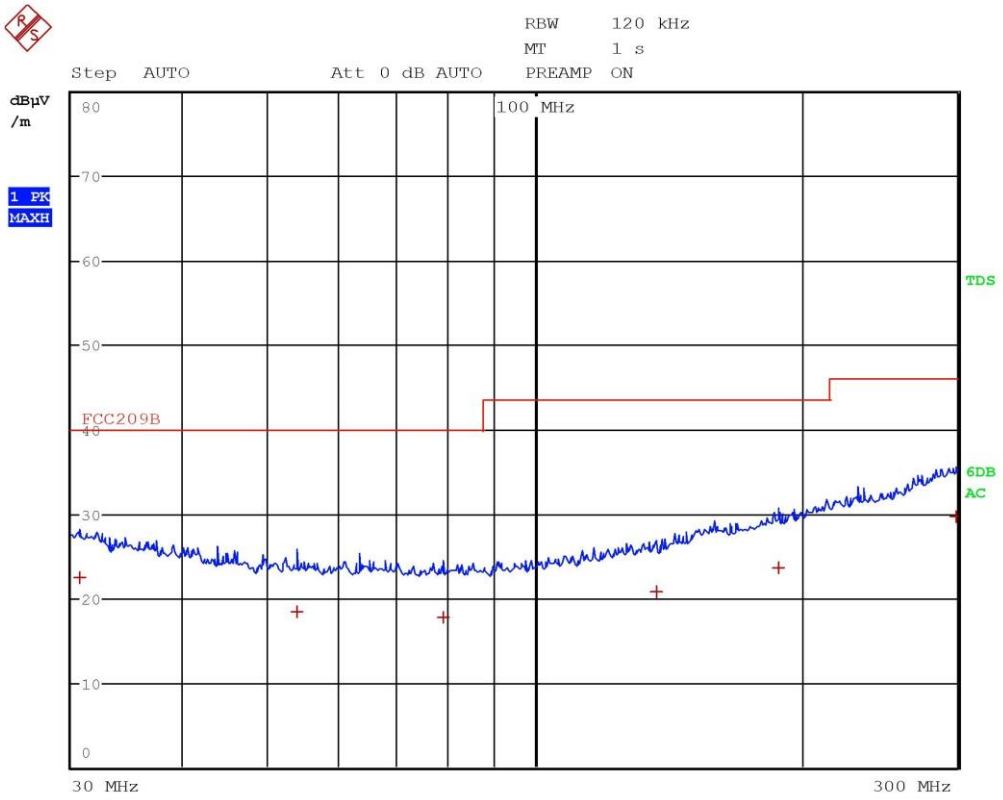
Result

Polarization	*Frequency Range (MHz)*	*Graphs*	*Remarks*	*Result*
H	30 – 300	G18108401	Lowest channel	Complies
V	30 – 300	G18108402	Lowest channel	Complies
V	30 – 300	G18108403	Medium channel	Complies
H	30 – 300	G18108404	Medium channel	Complies
H	30 – 300	G18108405	Highest channel	Complies
V	30 – 300	G18108406	Highest channel	Complies
V	300 – 1000	G18108407	Lowest channel	Complies
H	300 – 1000	G18108408	Lowest channel	Complies
H	300 – 1000	G18108409	Medium channel	Complies
V	300 – 1000	G18108410	Medium channel	Complies
V	300 – 1000	G18108411	Highest channel	Complies
H	300 – 1000	G18108412	Highest channel	Complies
V	1000 – 10000	G18108413	Highest channel	Complies
H	1000 – 10000	G18108414	Highest channel	Complies
H	1000 – 10000	G18108415	Medium channel	Complies
V	1000 – 10000	G18108416	Medium channel	Complies
V	1000 – 10000	G18108417	Lowest channel	Complies
H	1000 – 10000	G18108418	Lowest channel	Complies
Loop	0,009 – 30	G18108419	Worst case	Complies

Remarks: EUT was tested in 3 orthogonal planes. The results show the highest values.
Measurements at frequencies lower than 1000 MHz have been performed with an EUT – antenna distance of 10 m. Measured values have been corrected with FCC 3A10 factor.
Peaks above the limits are due to the nominal transmitting frequencies. Final measurements have been performed only for values with margin lower than 20 dB from limit

Graphs Legend
PK: Peak; QP [1s] (quasi-peak at 1 second) values are marked with a +
AV: Average; AV [1s] (average at 1 second) values are marked with a x

Graphs



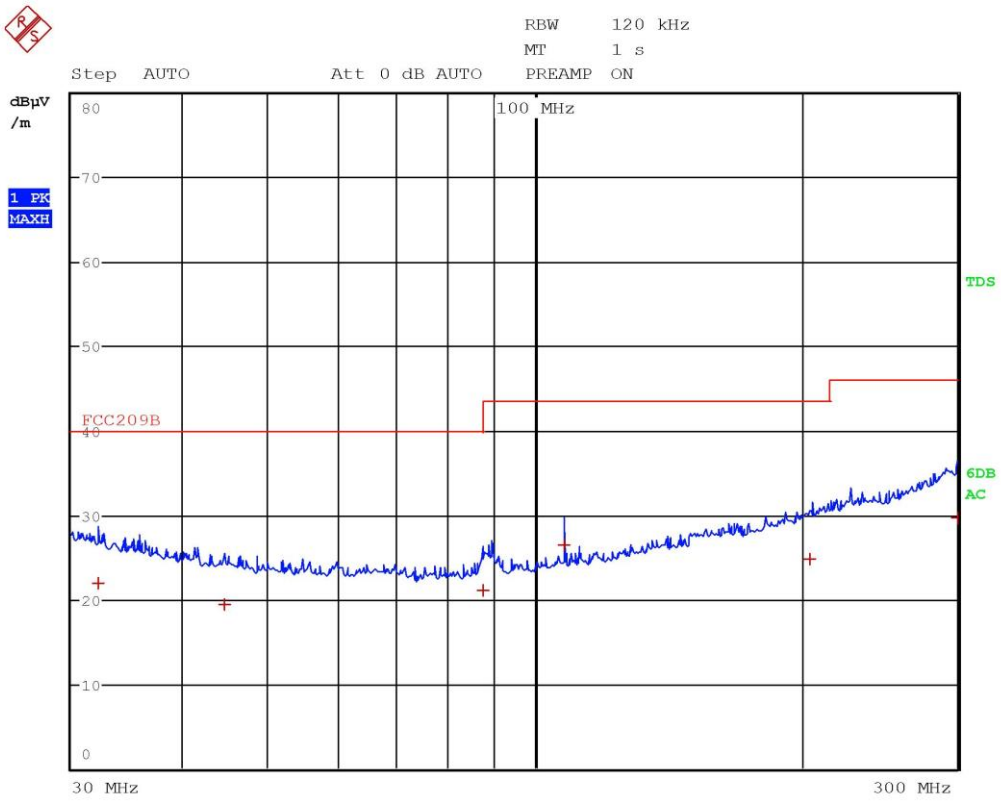
Gandini 18108401-Horiz-Tx Fmin

EDIT PEAK LIST (Final Measurement Results)

Trace1:	FCC209B
Trace2:	---
Trace3:	---

TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
1 Quasi Peak	30.64 MHz	22.47	-17.52
1 Quasi Peak	53.88 MHz	18.34	-21.66
1 Quasi Peak	78.76 MHz	17.69	-22.30
1 Quasi Peak	137.4 MHz	20.67	-22.84
1 Quasi Peak	188.6 MHz	23.60	-19.92
1 Quasi Peak	298.76 MHz	29.63	-16.38

Gandini 18108401-Horiz-Tx Fmin



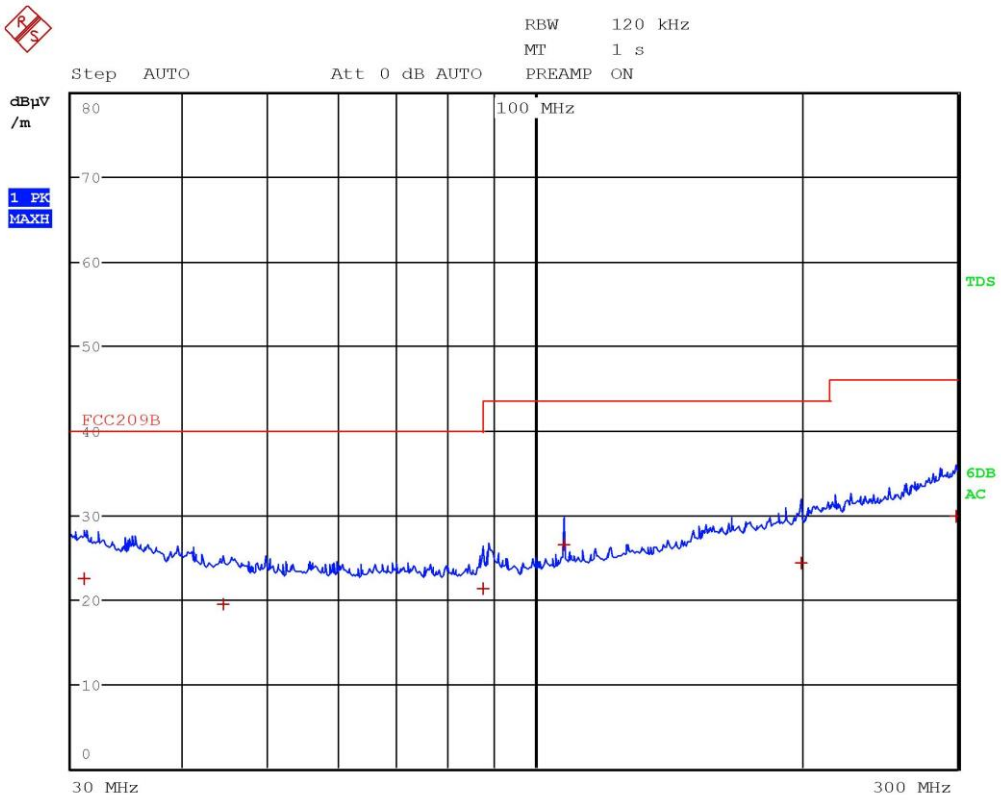
Gandini 18108402-Vert-Tx Fmin

EDIT PEAK LIST (Final Measurement Results)

Trace1:	FCC209B
Trace2:	---
Trace3:	---

TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
1 Quasi Peak	32.12 MHz	21.87	-18.12
1 Quasi Peak	44.72 MHz	19.36	-20.63
1 Quasi Peak	87.32 MHz	21.06	-18.93
1 Quasi Peak	108 MHz	26.40	-17.11
1 Quasi Peak	204.12 MHz	24.83	-18.68
1 Quasi Peak	299.76 MHz	29.67	-16.34

Gandini 18108402-Vert-Tx Fmin



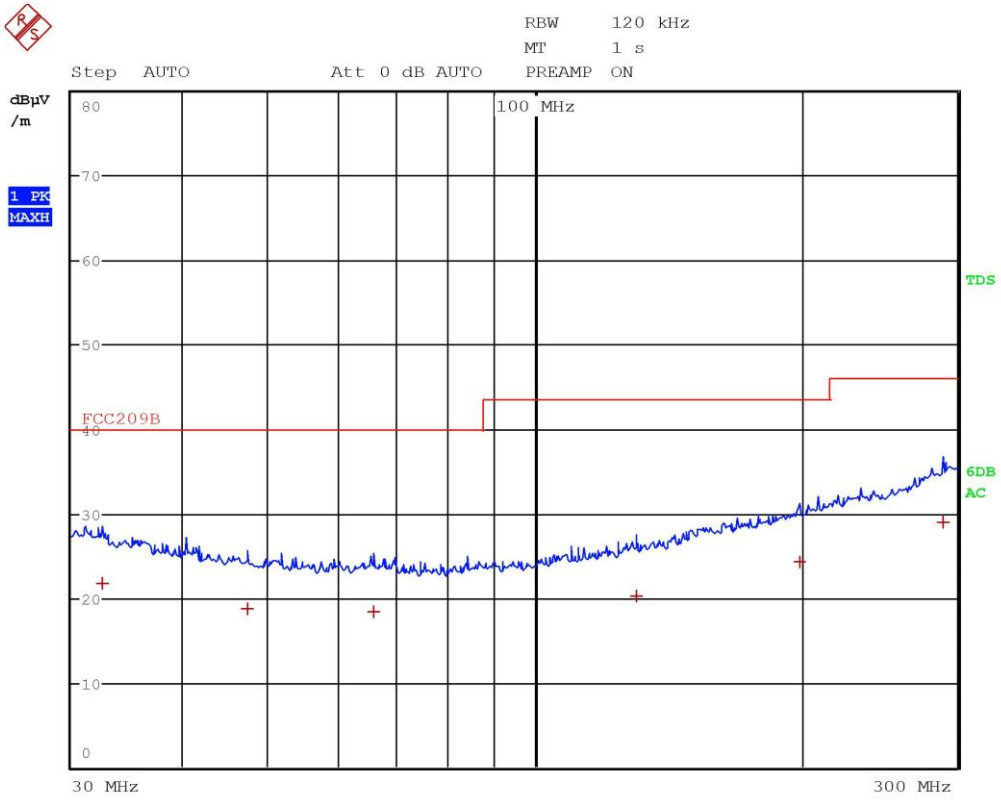
Gandini 18108403-Vert-Tx Fmid

EDIT PEAK LIST (Final Measurement Results)

Trace1:	FCC209B
Trace2:	---
Trace3:	---

TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
1 Quasi Peak	30.96 MHz	22.48	-17.52
1 Quasi Peak	44.44 MHz	19.36	-20.63
1 Quasi Peak	87.36 MHz	21.30	-18.69
1 Quasi Peak	108 MHz	26.39	-17.12
1 Quasi Peak	199.8 MHz	24.29	-19.22
1 Quasi Peak	299.24 MHz	29.78	-16.23

Gandini 18108403-Vert-Tx Fmid



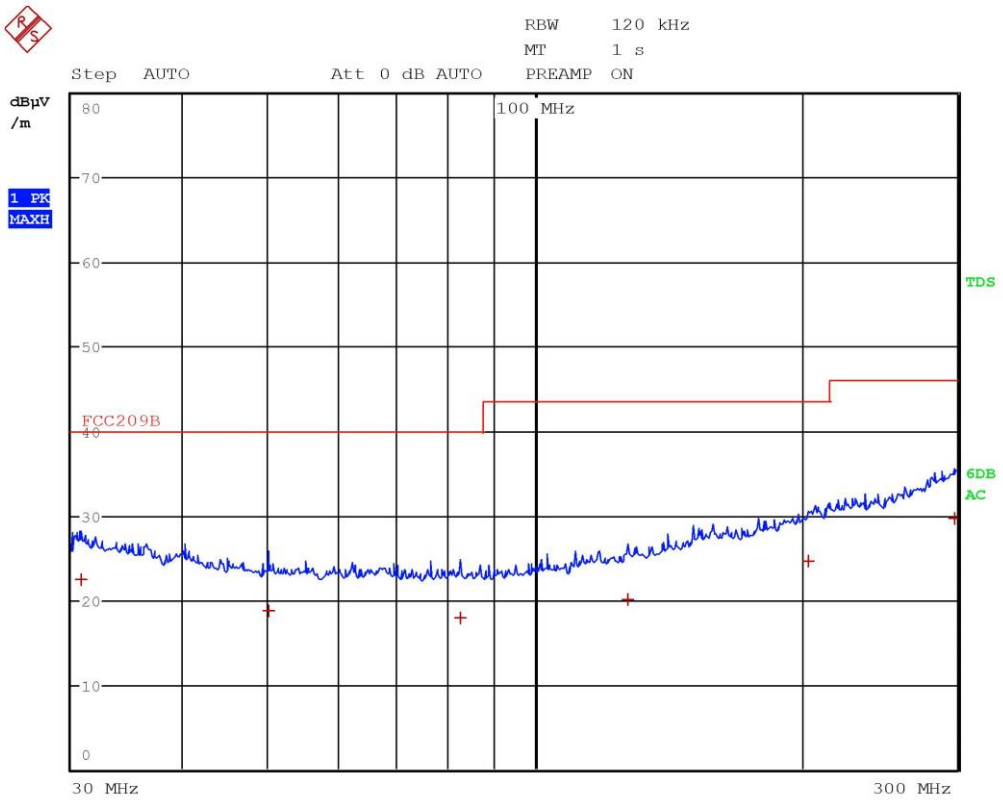
Gandini 18108404-Horiz-Tx Fmid

EDIT PEAK LIST (Final Measurement Results)

Trace1:	FCC209B
Trace2:	---
Trace3:	---

TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
1 Quasi Peak	32.44 MHz	21.71	-18.28
1 Quasi Peak	47.44 MHz	18.80	-21.19
1 Quasi Peak	65.76 MHz	18.35	-21.65
1 Quasi Peak	130.24 MHz	20.32	-23.19
1 Quasi Peak	198.8 MHz	24.30	-19.21
1 Quasi Peak	289.6 MHz	29.01	-17.00

Gandini 18108404-Horiz-Tx Fmid



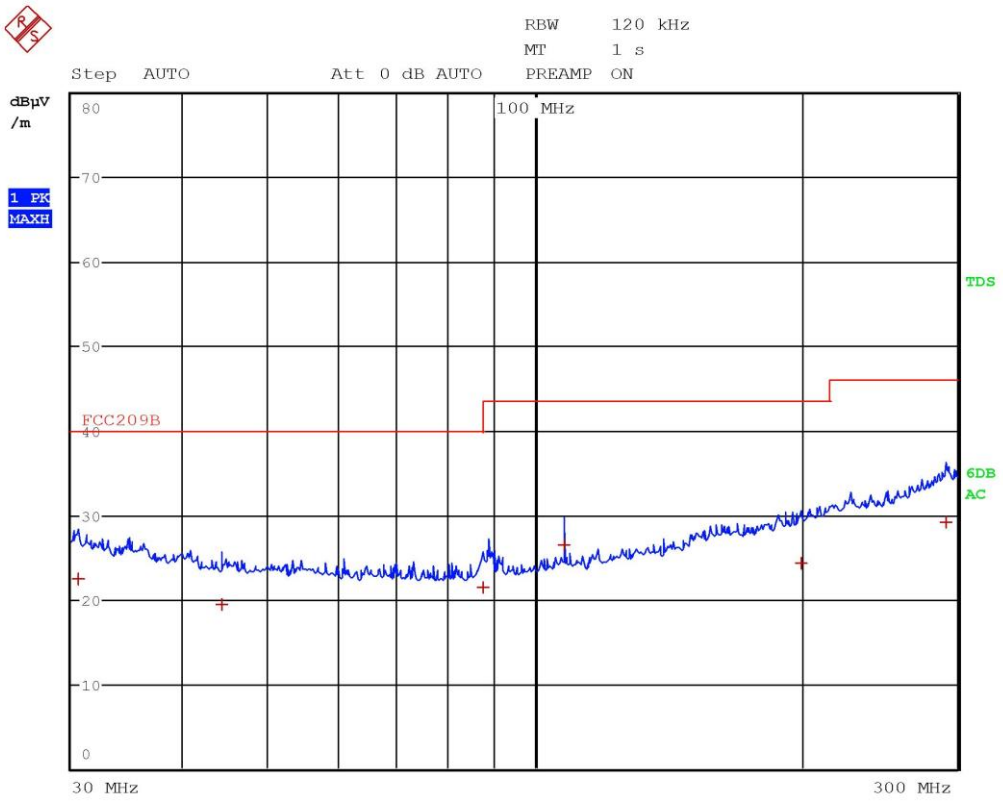
Gandini 18108405-Horiz-Tx Fmax

EDIT PEAK LIST (Final Measurement Results)

Trace1:	FCC209B
Trace2:	---
Trace3:	---

TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
1 Quasi Peak	30.8 MHz	22.49	-17.50
1 Quasi Peak	50.12 MHz	18.78	-21.21
1 Quasi Peak	82.4 MHz	17.86	-22.13
1 Quasi Peak	127.48 MHz	20.13	-23.38
1 Quasi Peak	203.48 MHz	24.66	-18.85
1 Quasi Peak	297.48 MHz	29.58	-16.43

Gandini 18108405-Horiz-Tx Fmax



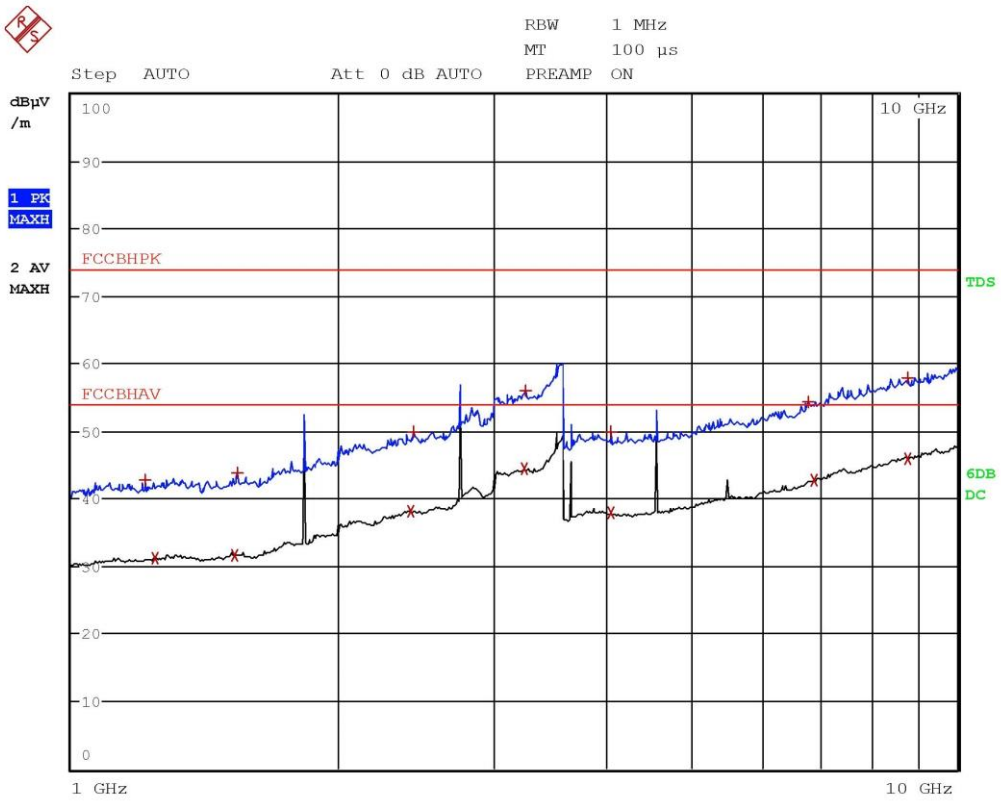
Gandini 18108406-Vert-Tx Fmax

EDIT PEAK LIST (Final Measurement Results)

Trace1:	FCC209B
Trace2:	---
Trace3:	---

TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
1 Quasi Peak	30.52 MHz	22.43	-17.56
1 Quasi Peak	44.36 MHz	19.33	-20.67
1 Quasi Peak	87.36 MHz	21.37	-18.62
1 Quasi Peak	108 MHz	26.47	-17.04
1 Quasi Peak	199.52 MHz	24.30	-19.21
1 Quasi Peak	290.84 MHz	29.11	-16.90

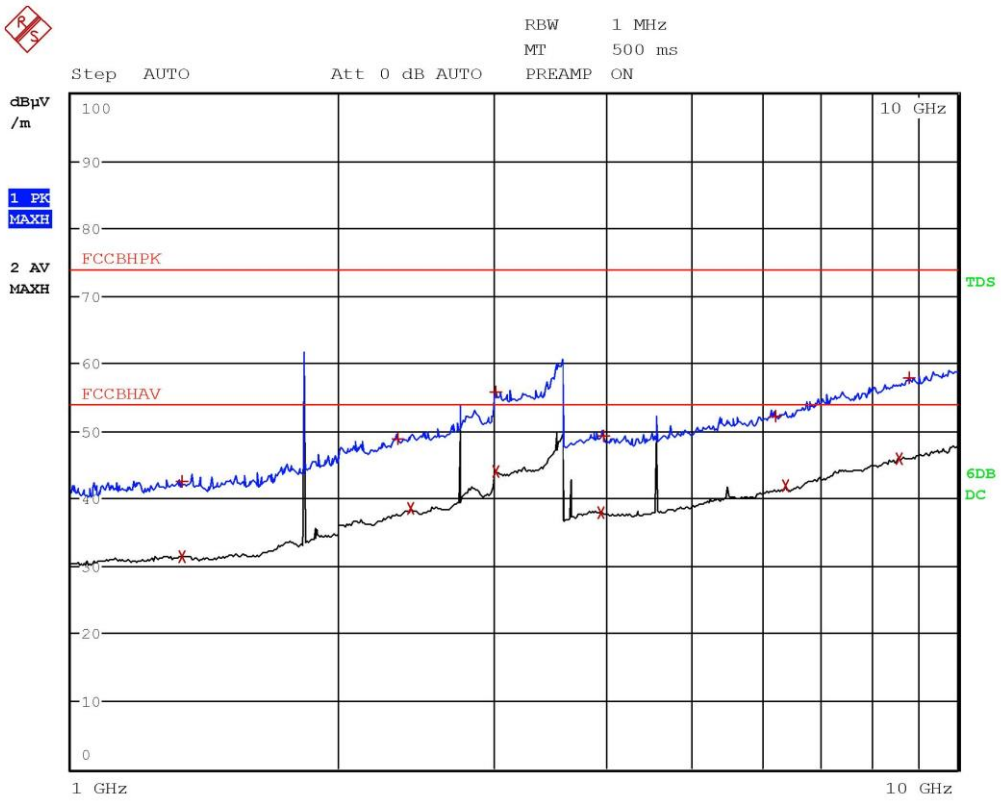
Gandini 18108406-Vert-Tx Fmax



Gandini 18108407-Vert-Fmin

EDIT PEAK LIST (Prescan Results)			
Trace1:	FCCBHPK		
Trace2:	FCCBHAV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
1 Max Peak	1.21 GHz	42.75	-31.23
2 Average	1.2424 GHz	31.21	-22.76
2 Average	1.5308 GHz	31.60	-22.37
1 Max Peak	1.538 GHz	43.85	-30.12
2 Average	2.4192 GHz	38.08	-15.89
1 Max Peak	2.4344 GHz	49.84	-24.13
2 Average	3.2388 GHz	44.37	-9.60
1 Max Peak	3.2528 GHz	56.02	-17.95
1 Max Peak	4.0616 GHz	49.80	-24.17
2 Average	4.0632 GHz	37.82	-16.15
1 Max Peak	6.7856 GHz	54.31	-19.66
2 Average	6.8944 GHz	42.66	-11.31
2 Average	8.7808 GHz	45.82	-8.15
1 Max Peak	8.7864 GHz	57.90	-16.08

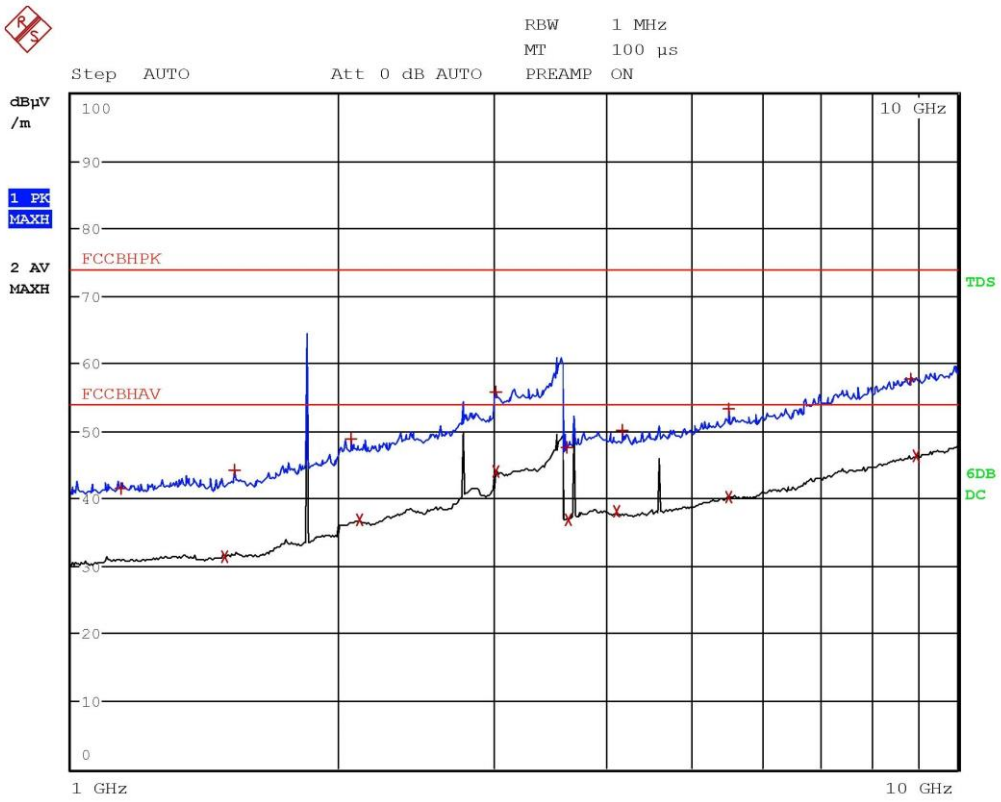
Gandini 18108407-Vert-Fmin



Gandini 18108408-Horiz-Fmin

EDIT PEAK LIST (Prescan Results)			
Trace1:	FCCBHPK		
Trace2:	FCCBHAV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
1 Max Peak	1.332 GHz	42.62	-31.35
2 Average	1.3348 GHz	31.34	-22.63
1 Max Peak	2.3392 GHz	48.88	-25.09
2 Average	2.4144 GHz	38.59	-15.38
2 Average	3.0116 GHz	43.93	-10.04
1 Max Peak	3.0184 GHz	55.79	-18.19
2 Average	3.9584 GHz	37.82	-16.15
1 Max Peak	3.9916 GHz	49.29	-24.68
1 Max Peak	6.234 GHz	52.27	-21.70
2 Average	6.4052 GHz	41.82	-12.15
2 Average	8.6088 GHz	45.90	-8.07
1 Max Peak	8.8268 GHz	57.90	-16.07

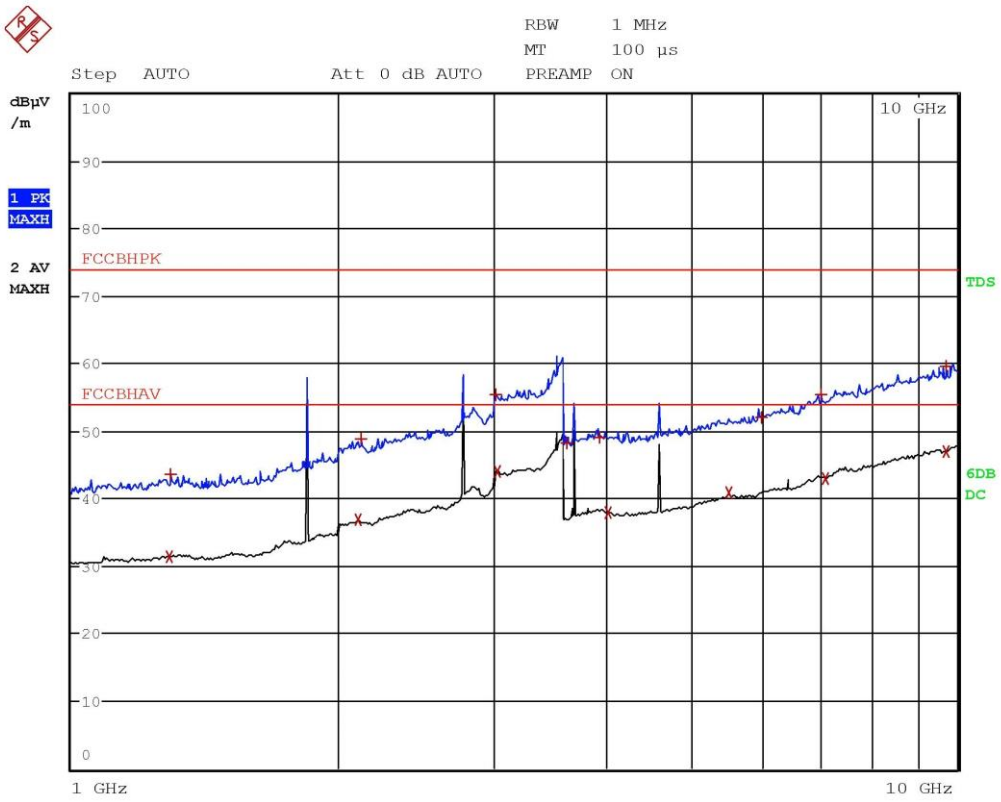
Gandini 18108408-Horiz-Fmin



Gandini 18108409-Horiz-Fmid

EDIT PEAK LIST (Prescan Results)			
Trace1:	FCCBHPK		
Trace2:	FCCBHAV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
1 Max Peak	1.1364 GHz	41.40	-32.57
2 Average	1.4888 GHz	31.41	-22.56
1 Max Peak	1.5268 GHz	44.13	-29.85
1 Max Peak	2.0664 GHz	48.78	-25.19
2 Average	2.1136 GHz	36.78	-17.19
1 Max Peak	3.0096 GHz	55.84	-18.13
2 Average	3.0172 GHz	44.04	-9.93
1 Max Peak	3.62 GHz	47.50	-26.47
2 Average	3.6444 GHz	36.88	-17.09
2 Average	4.1272 GHz	38.10	-15.87
1 Max Peak	4.182 GHz	50.00	-23.97
2 Average	5.5232 GHz	40.30	-13.68
1 Max Peak	5.5292 GHz	53.24	-20.73
1 Max Peak	8.8672 GHz	57.57	-16.40
2 Average	8.9856 GHz	46.24	-7.73

Gandini 18108409-Horiz-Fmid



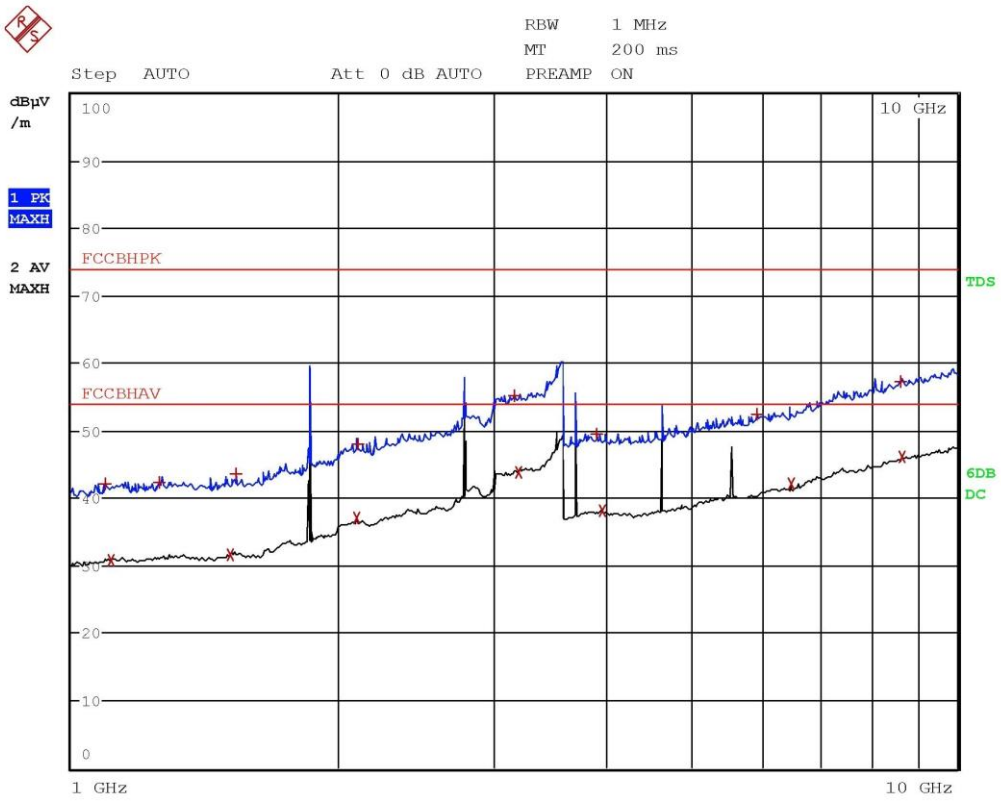
Gandini 18108410-Vert-Fmid

EDIT PEAK LIST (Prescan Results)

Trace1:	FCCBHPK
Trace2:	FCCBHAV
Trace3:	---

TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
2 Average	1.2904 GHz	31.40	-22.57
1 Max Peak	1.2964 GHz	43.59	-30.39
2 Average	2.106 GHz	36.81	-17.16
1 Max Peak	2.122 GHz	48.79	-25.18
1 Max Peak	3.0156 GHz	55.42	-18.55
2 Average	3.0236 GHz	44.01	-9.97
1 Max Peak	3.62 GHz	48.12	-25.85
1 Max Peak	3.9472 GHz	49.06	-24.91
2 Average	4.0356 GHz	37.85	-16.12
2 Average	5.5284 GHz	40.78	-13.20
1 Max Peak	6.0068 GHz	52.04	-21.93
1 Max Peak	7.0288 GHz	55.34	-18.64
2 Average	7.106 GHz	43.01	-10.96
2 Average	9.7088 GHz	46.85	-7.12
1 Max Peak	9.7128 GHz	59.49	-14.48

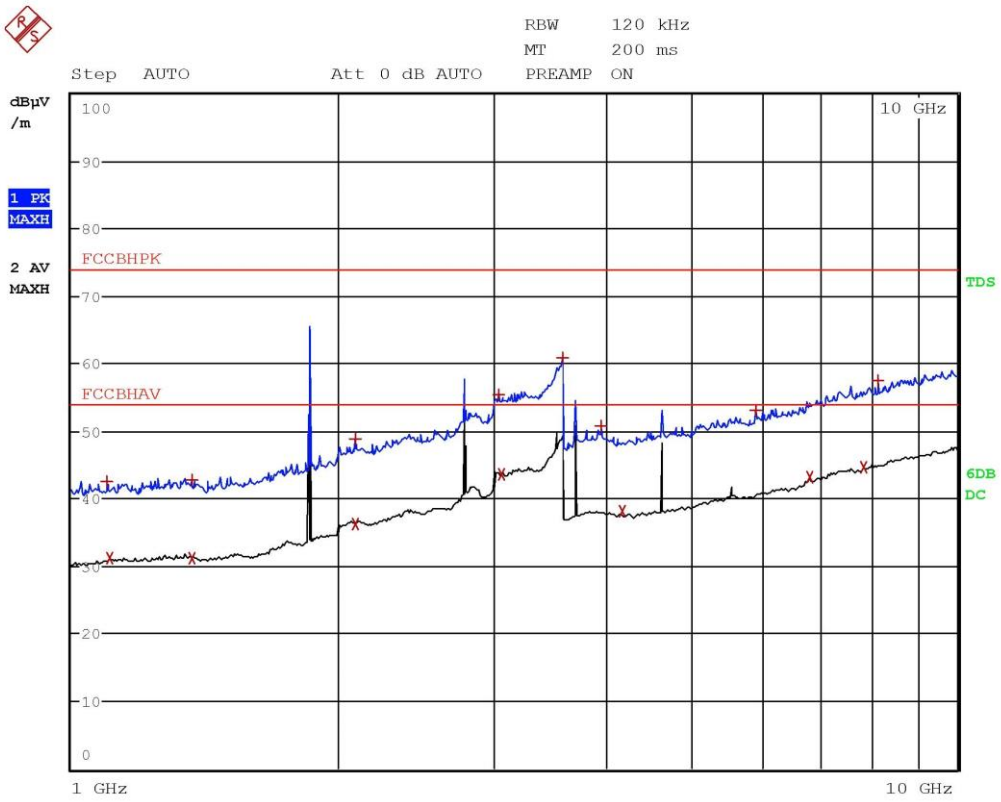
Gandini 18108410-Vert-Fmid



Gandini 18108411-Vert-Tx Fmax

EDIT PEAK LIST (Prescan Results)			
Trace1:	FCCBHPK		
Trace2:	FCCBHAV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
1 Max Peak	1.0936 GHz	42.20	-31.77
2 Average	1.1104 GHz	30.84	-23.13
1 Max Peak	1.2568 GHz	42.26	-31.71
2 Average	1.5136 GHz	31.61	-22.36
1 Max Peak	1.5332 GHz	43.67	-30.30
2 Average	2.0964 GHz	37.00	-16.97
1 Max Peak	2.11 GHz	48.04	-25.93
1 Max Peak	3.1668 GHz	55.12	-18.86
2 Average	3.1956 GHz	43.88	-10.09
1 Max Peak	3.916 GHz	49.55	-24.42
2 Average	3.974 GHz	38.06	-15.91
1 Max Peak	5.946 GHz	52.34	-21.63
2 Average	6.4944 GHz	42.07	-11.90
1 Max Peak	8.6384 GHz	57.25	-16.72
2 Average	8.654 GHz	46.07	-7.90

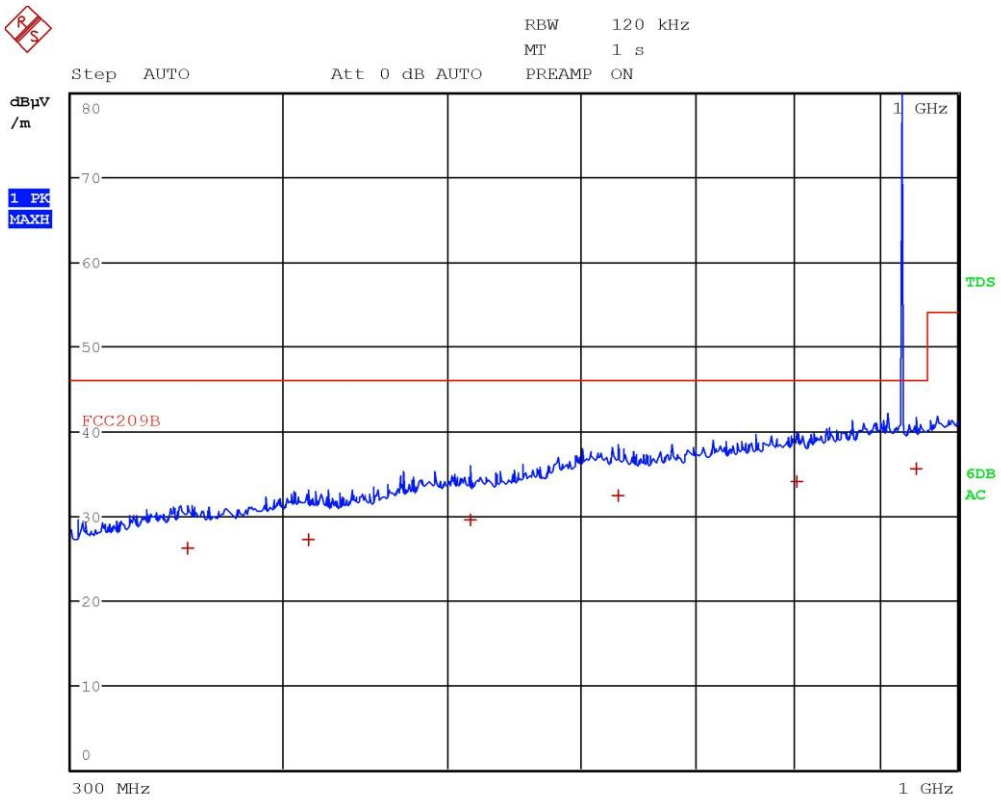
Gandini 18108411-Vert-Tx Fmax



Gandini 18108412-Horiz-Tx Fmax

EDIT PEAK LIST (Prescan Results)			
Trace1:	FCCBHPK		
Trace2:	FCCBHAV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
1 Max Peak	1.0968 GHz	42.48	-31.49
2 Average	1.1064 GHz	31.18	-22.79
2 Average	1.3656 GHz	31.11	-22.86
1 Max Peak	1.3688 GHz	42.66	-31.31
1 Max Peak	2.0948 GHz	48.84	-25.13
2 Average	2.0948 GHz	36.31	-17.66
1 Max Peak	3.0356 GHz	55.33	-18.64
2 Average	3.0544 GHz	43.59	-10.38
1 Max Peak	3.5868 GHz	60.84	-13.13
1 Max Peak	3.958 GHz	50.74	-23.23
2 Average	4.1828 GHz	38.11	-15.87
1 Max Peak	5.9108 GHz	53.05	-20.92
2 Average	6.8184 GHz	43.11	-10.86
2 Average	7.8252 GHz	44.65	-9.32
1 Max Peak	8.1416 GHz	57.48	-16.49

Gandini 18108412-Horiz-Tx Fmax



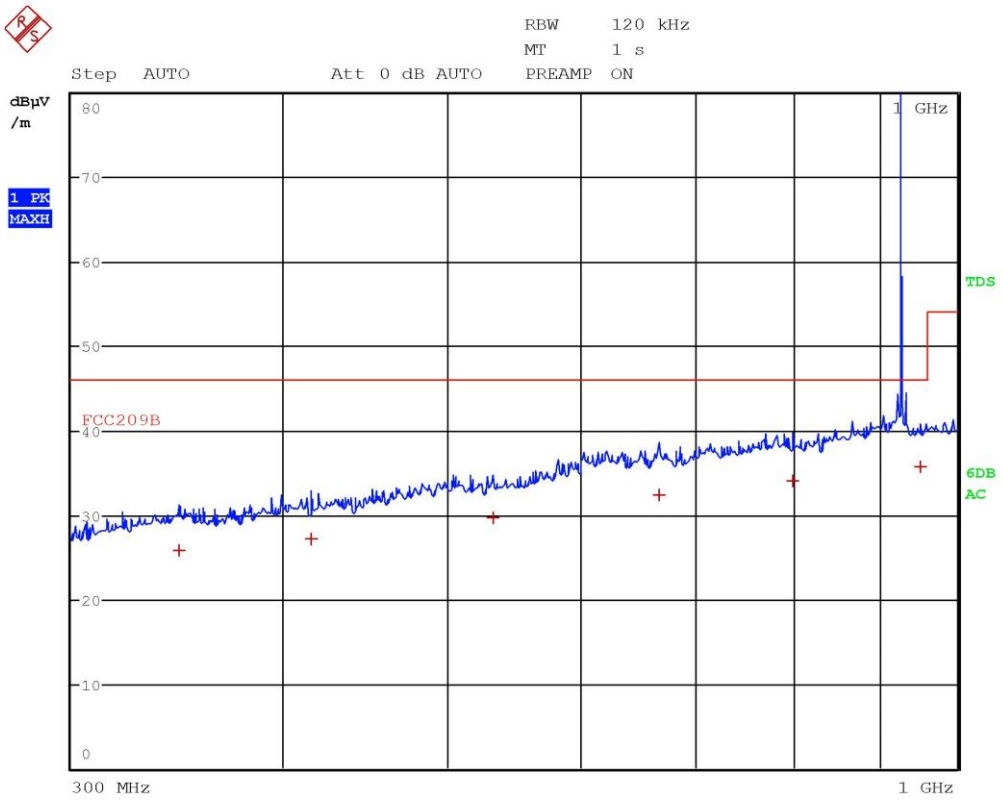
Gandini 18108413-Vert-Tx Fmax

EDIT PEAK LIST (Final Measurement Results)

Trace1:	FCC209B
Trace2:	---
Trace3:	---

TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
1 Quasi Peak	351.56 MHz	26.11	-19.90
1 Quasi Peak	413.92 MHz	27.15	-18.87
1 Quasi Peak	516.16 MHz	29.43	-16.58
1 Quasi Peak	630.28 MHz	32.34	-13.67
1 Quasi Peak	803.88 MHz	34.08	-11.93
1 Quasi Peak	945.48 MHz	35.63	-10.39

Gandini 18108413-Vert-Tx Fmax



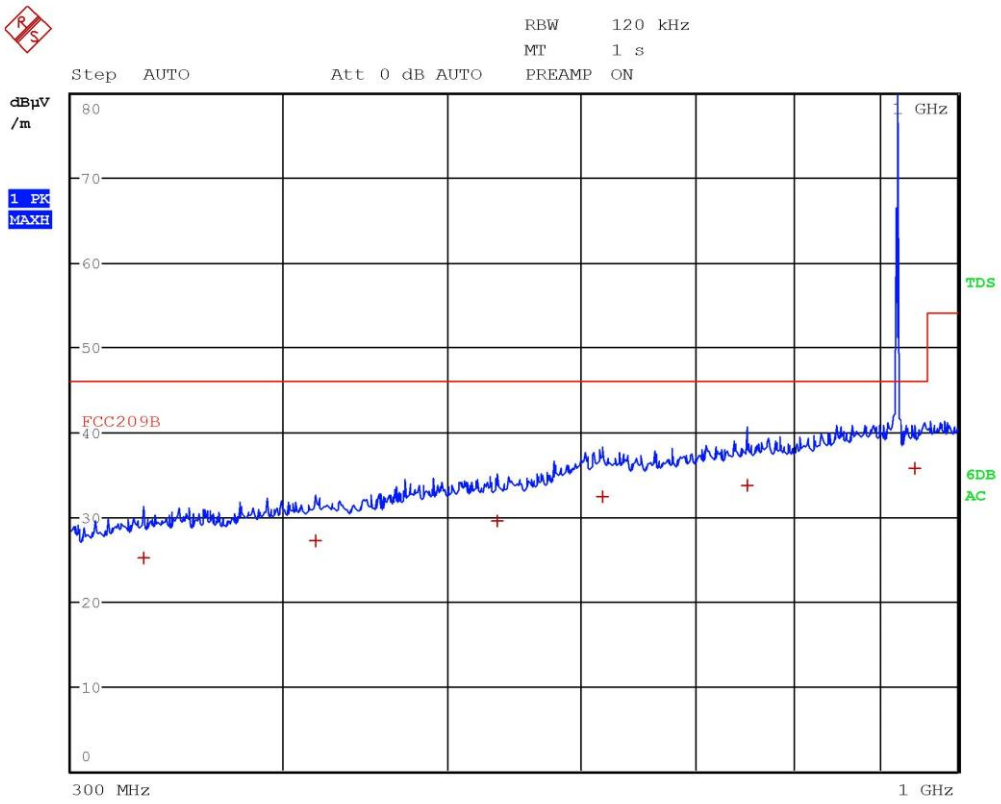
Gandini 18108414-Horiz-Tx Fmax

EDIT PEAK LIST (Final Measurement Results)

Trace1:	FCC209B
Trace2:	---
Trace3:	---

TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
1 Quasi Peak	347.52 MHz	25.85	-20.16
1 Quasi Peak	415.6 MHz	27.21	-18.80
1 Quasi Peak	531.88 MHz	29.61	-16.40
1 Quasi Peak	667.12 MHz	32.33	-13.68
1 Quasi Peak	799.68 MHz	33.97	-12.04
1 Quasi Peak	927.84 MHz	106.84	60.82
1 Quasi Peak	951.64 MHz	35.79	-10.22

Gandini 18108414-Horiz-Tx Fmax



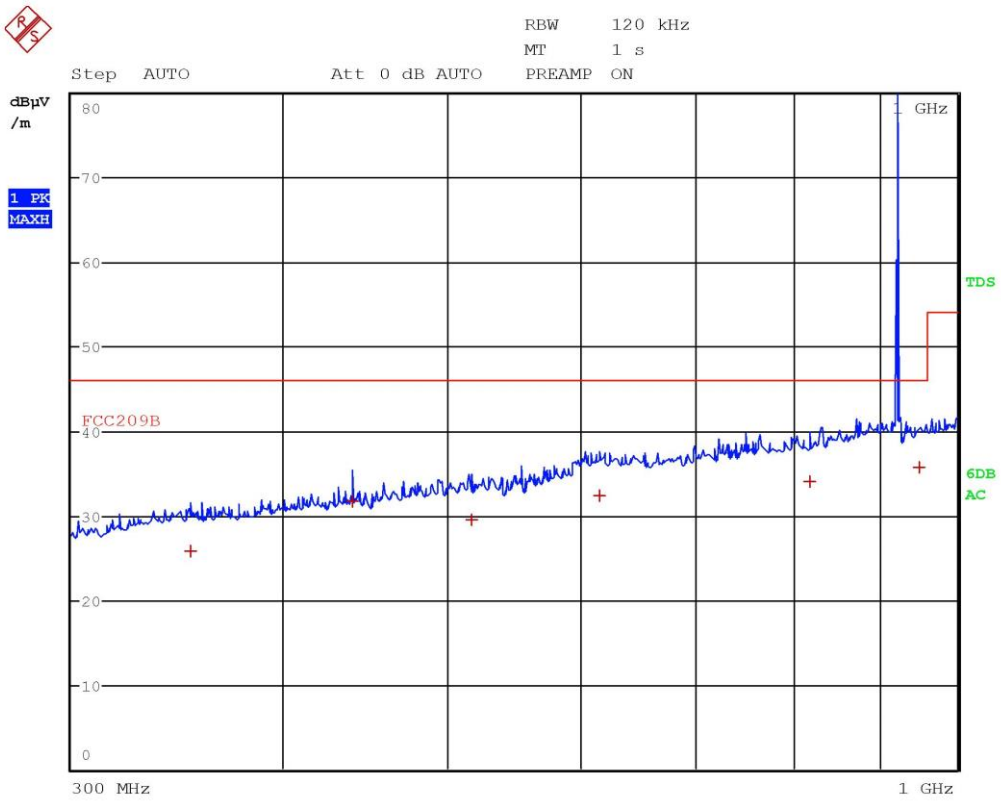
Gandini 18108415-Horiz-Tx Fmid

EDIT PEAK LIST (Final Measurement Results)

Trace1:	FCC209B
Trace2:	---
Trace3:	---

TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
1 Quasi Peak	331.24 MHz	25.18	-20.83
1 Quasi Peak	417.68 MHz	27.09	-18.92
1 Quasi Peak	535.16 MHz	29.49	-16.52
1 Quasi Peak	617.28 MHz	32.29	-13.72
1 Quasi Peak	752 MHz	33.74	-12.27
1 Quasi Peak	943.48 MHz	35.68	-10.33

Gandini 18108415-Horiz-Tx Fmid



Gandini 18108416-Vert-Tx Fmid