



TEST REPORT nr. R17227601

Federal Communication Commission (FCC)

Test item

Description: RADIO MODULE
Trademark: AUTEC
Model/Type: AirRT42FH
FCC ID: OQA-AIRRT42FH

Test Specification

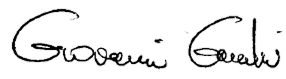
Standard: FCC Rules & Regulations, Title 47:2017
Part 15 paragraph(s): 203, 207, 209 and 247

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: 10.07.18
Contents: 93 pages


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This test report shall not be reproduced except in full without the written approval of CMC.
The test results presented in this report relate only to the item tested.



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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 15.203	Antenna requirements	1	Complies
Part 15.207	Conducted emissions	2	Complies
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 15.205 and 15.209	Spurious emission	10	Complies
Part 1.1310	Maximum permissible exposure	11	Complies

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: 12 Vdc

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

List of hopping frequencies.....: See document airt42fh_operational_description-rev1

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: 31.10.17

Testing start date: 27.03.18

Testing end date: 15.06.18

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 P171275

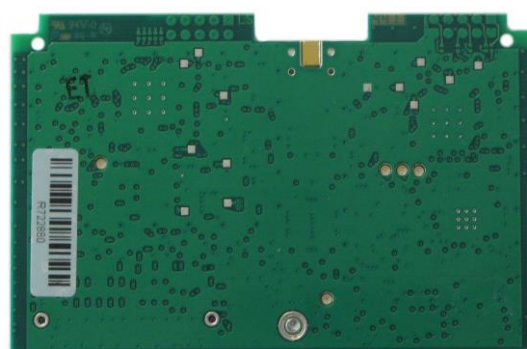
4. Operative conditions

EUT exercising: EUT in continuous transmission at maximum power



5. Photograph(s) of EUT

5.1 Photograph(s) of EUT





6. Equipment list

<i>Id. number</i>	<i>Manufacturer</i>	<i>Model</i>	<i>Description</i>	<i>Serial number</i>	<i>Last calibration</i>	<i>Due date calibration</i>
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	March '17	March '20
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.

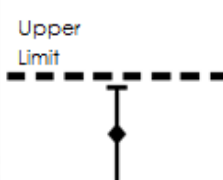
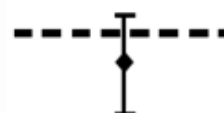


11. Results

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
- DA 00-705
- 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	2 dBi	--	Complies

Result: The requirements are met



11.2 Conducted emissions

Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part 15.207
- Internal procedure PM001
- See clause 4 of this test report

Test configuration and test method

Test site:
Shielded chamber

Auxiliary equipment:
See clause 4 of this test report

EUT exercising

See clause 4 of this test report

Test equipment used

CMC S010, CMC S200, CMC S206
Measurement uncertainty: See clause 7 of this test report

Test specification

Port: Main port
Frequency range: 150 kHz – 30 MHz

Environmental conditions

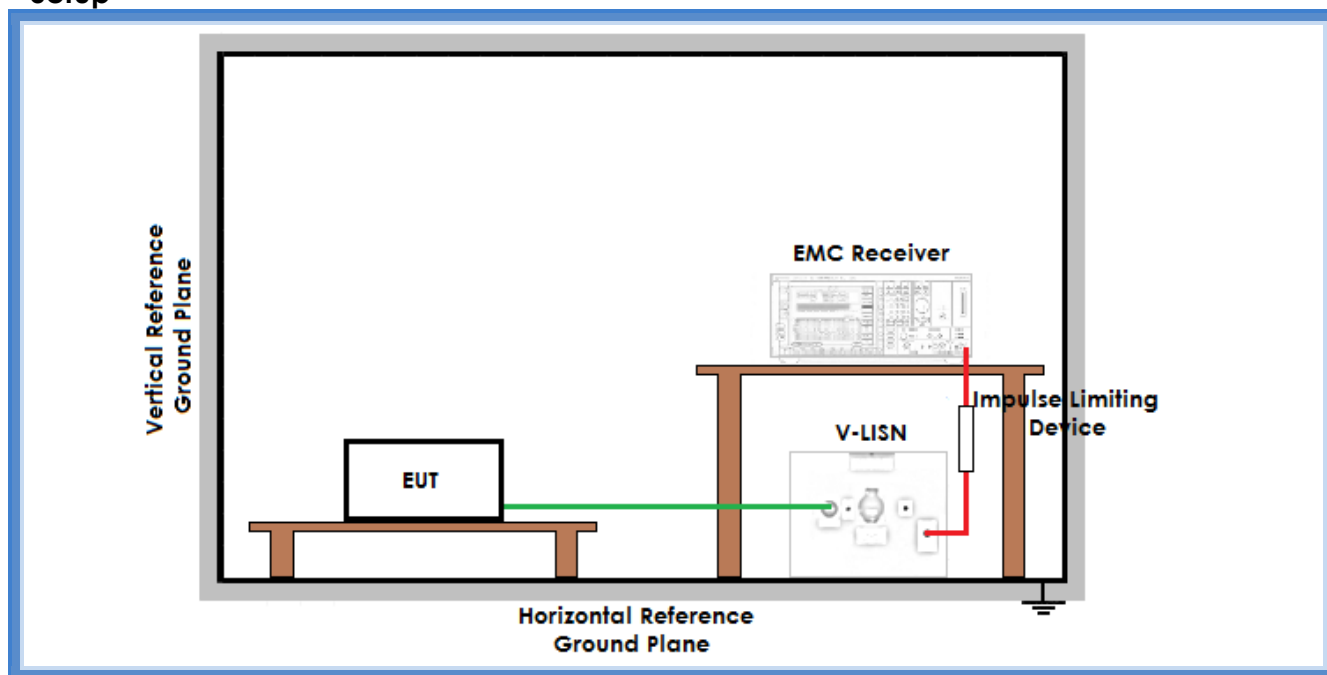
Temperature (°C)	Atmospheric pressure (kPa)	Relative humidity (%)
21	98	46

Acceptance limits

Frequency range (MHz)	dB(μV) Quasi-peak	dB(μV) Average
0,15 to 0,50	66 to 56	56 to 46
0,50 to 5	56	46
5 to 30	60	50



Setup



Result

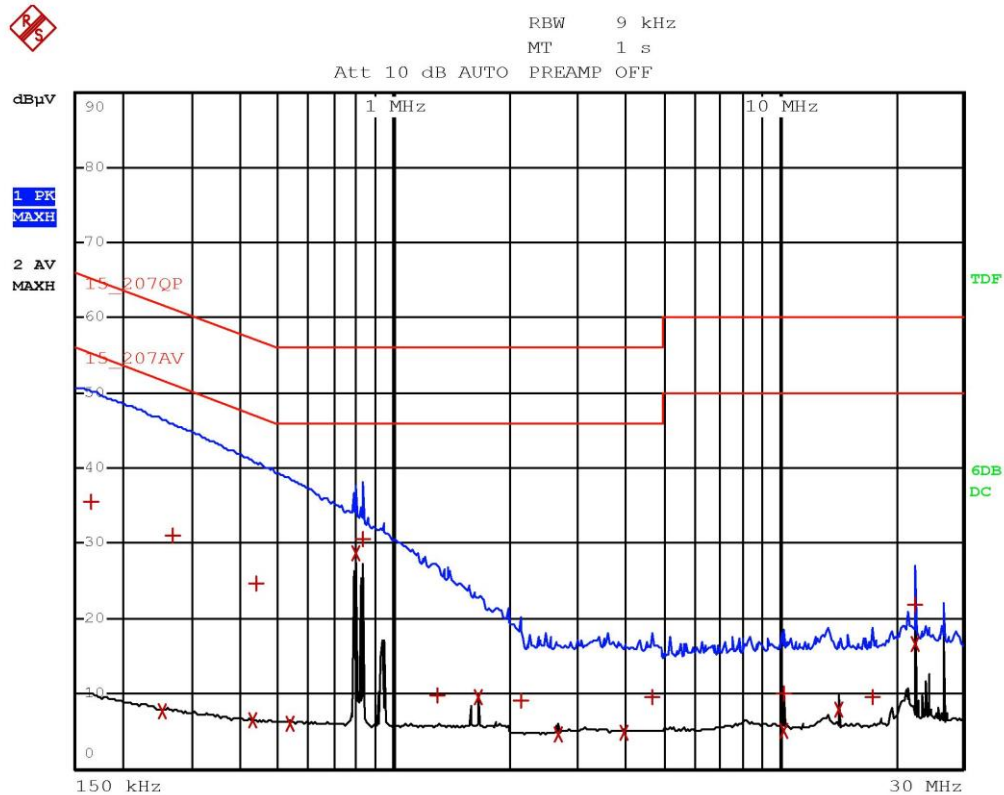
Line	Graphs	Remarks	Result
+12 Vdc	G17227643	--	Complies
-12 Vdc	G17227644	--	Complies
Remarks: --			

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

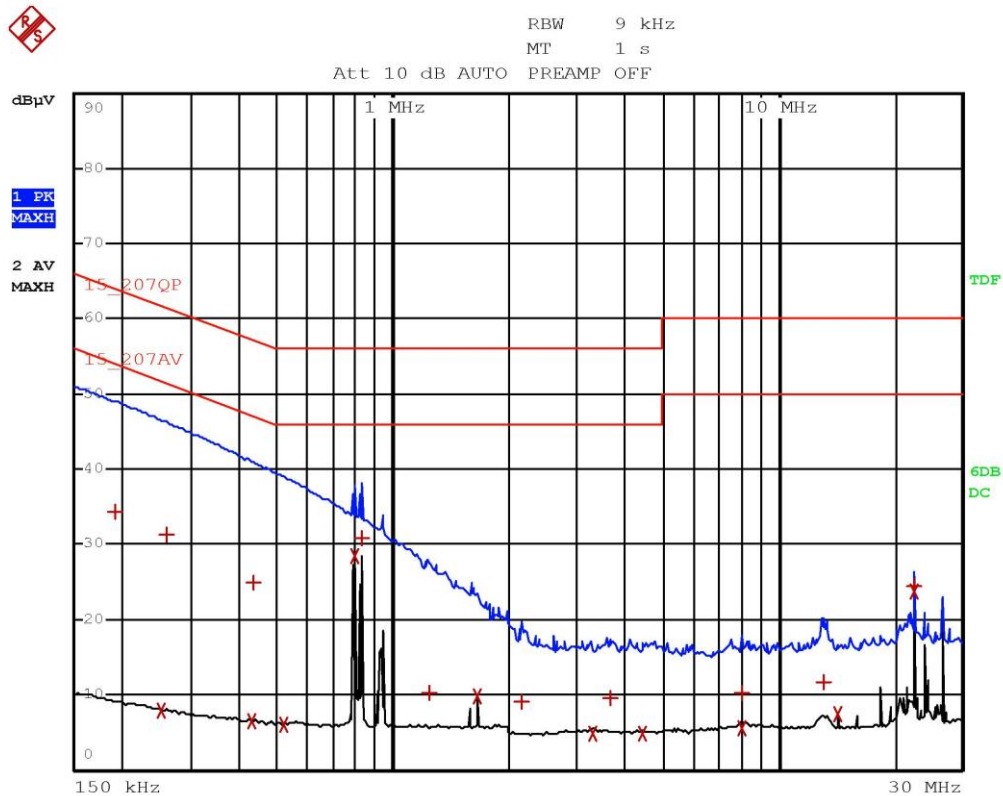


Gandini 17227643-LIne (+)-Tx Rx



EDIT PEAK LIST (Final Measurement Results)			
Trace1:	15_207QP		
Trace2:	15_207AV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV	DELTA LIMIT dB
1 Quasi Peak	166 kHz	35.66	-29.49
2 Average	254 kHz	7.66	-43.95
1 Quasi Peak	266 kHz	30.99	-30.25
2 Average	430 kHz	6.43	-40.81
1 Quasi Peak	438 kHz	24.62	-32.47
2 Average	538 kHz	6.06	-39.93
2 Average	794 kHz	28.67	-17.32
1 Quasi Peak	830 kHz	30.66	-25.33
1 Quasi Peak	1.302 MHz	9.86	-46.13
2 Average	1.658 MHz	9.48	-36.51
1 Quasi Peak	2.142 MHz	9.18	-46.81
2 Average	2.662 MHz	4.71	-41.28
2 Average	3.978 MHz	4.72	-41.27
1 Quasi Peak	4.674 MHz	9.48	-46.51
1 Quasi Peak	10.24 MHz	9.96	-50.03
2 Average	10.24 MHz	5.19	-44.80
2 Average	14.336 MHz	7.88	-42.11
1 Quasi Peak	17.464 MHz	9.61	-50.38
1 Quasi Peak	22.528 MHz	21.89	-38.10
2 Average	22.528 MHz	16.70	-33.29

Gandini 17227643-LIne (+)-Tx Rx



Gandini 17227644-LIne (-)-Tx Rx



EDIT PEAK LIST (Final Measurement Results)			
Trace1:	15_207QP		
Trace2:	15_207AV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV	DELTA LIMIT dB
1 Quasi Peak	194 kHz	34.29	-29.57
2 Average	254 kHz	7.80	-43.82
1 Quasi Peak	258 kHz	31.31	-30.18
2 Average	430 kHz	6.46	-40.78
1 Quasi Peak	434 kHz	24.81	-32.36
2 Average	518 kHz	6.11	-39.88
2 Average	794 kHz	28.38	-17.61
1 Quasi Peak	830 kHz	30.85	-25.14
1 Quasi Peak	1.25 MHz	10.23	-45.76
2 Average	1.658 MHz	9.74	-36.26
1 Quasi Peak	2.158 MHz	9.18	-46.81
2 Average	3.29 MHz	4.91	-41.09
1 Quasi Peak	3.694 MHz	9.46	-46.53
2 Average	4.442 MHz	4.77	-41.22
2 Average	8.024 MHz	5.54	-44.45
1 Quasi Peak	8.076 MHz	10.24	-49.75
1 Quasi Peak	13.076 MHz	11.58	-48.41
2 Average	14.336 MHz	7.41	-42.58
1 Quasi Peak	22.528 MHz	24.38	-35.61
2 Average	22.528 MHz	23.69	-26.30

Gandini 17227644-LIne (-)-Tx Rx

Result: The requirements are met



11.3 Radiated emissions

Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part. 15.209
- DA 00-705
- 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

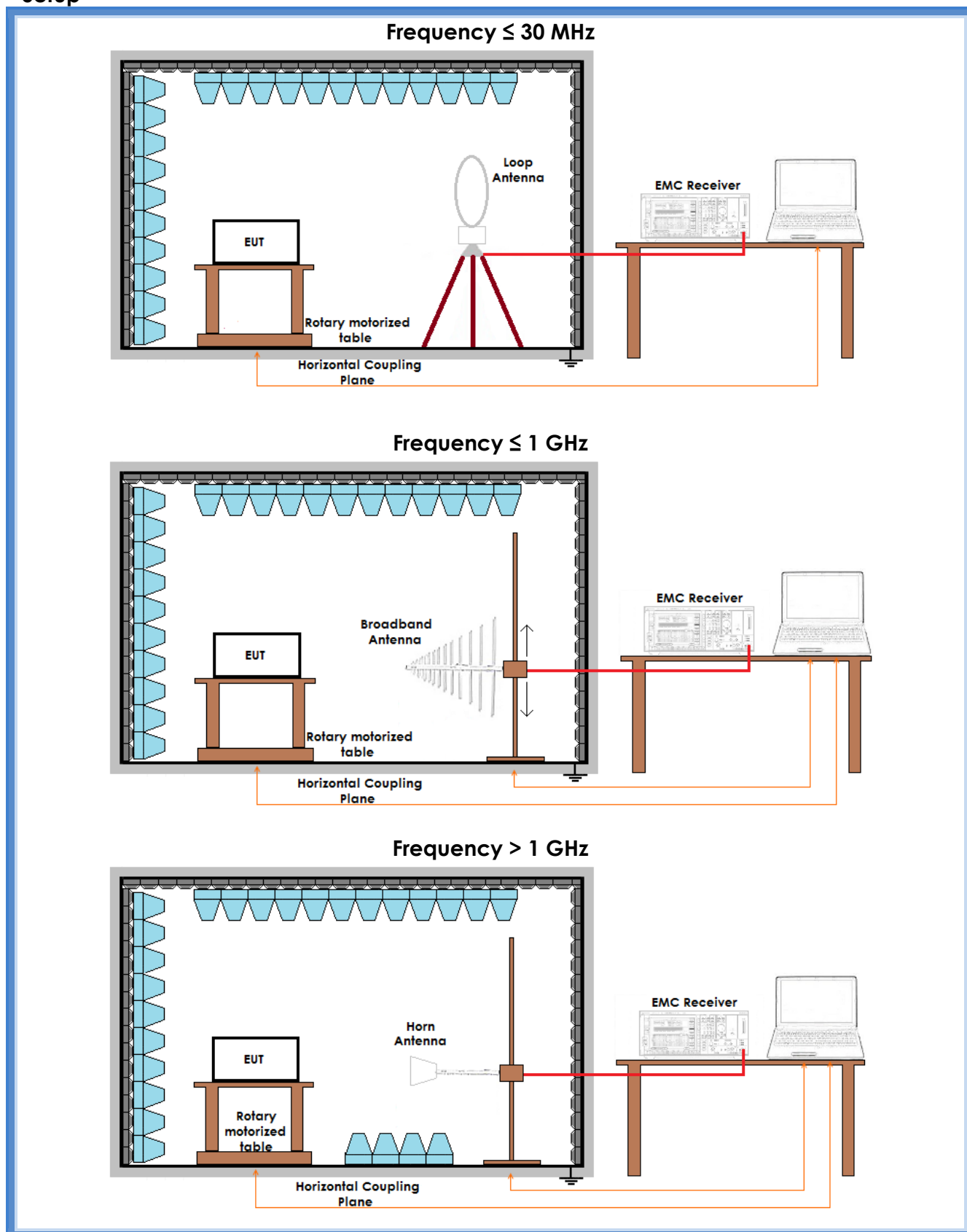
Temperature (°C)	Atmospheric pressure (kPa)	Relative humidity (%)
22	100	45

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





Result

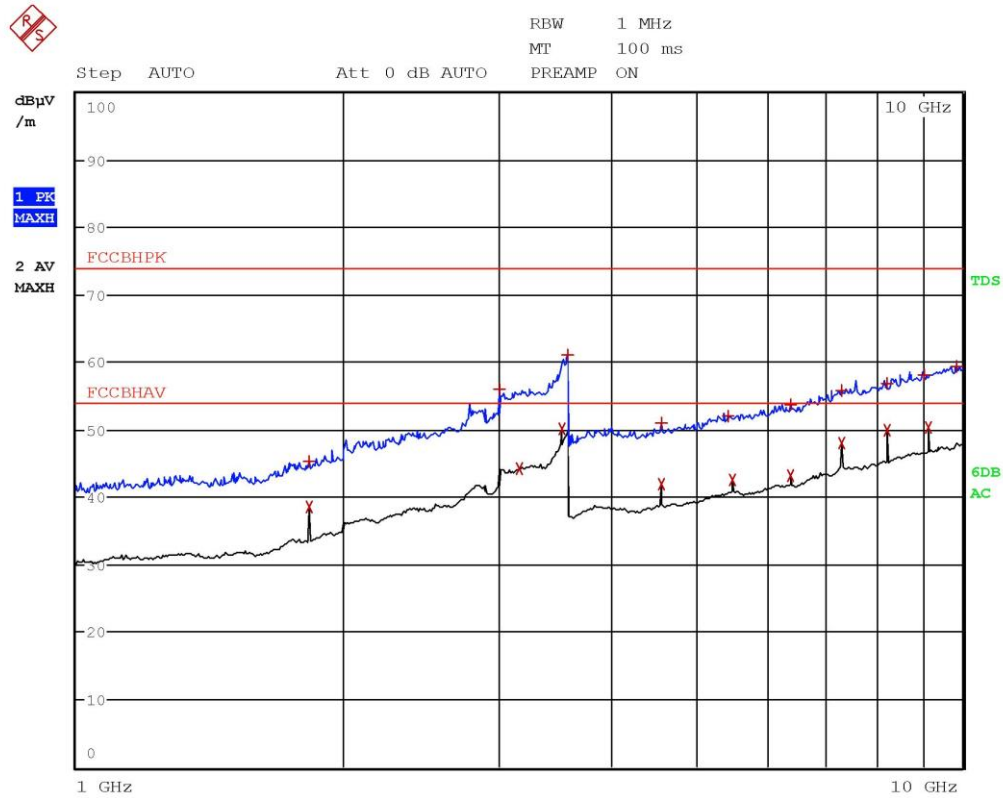
Polarization	Frequency Range (MHz)	Graphs	Remarks	Result
V	1000 – 10000	G17227624	Lowest channel	Complies
H	1000 – 10000	G17227625	Lowest channel	Complies
H	1000 – 10000	G17227626	Medium channel	Complies
V	1000 – 10000	G17227627	Medium channel	Complies
V	1000 – 10000	G17227628	Highest channel	Complies
H	1000 – 10000	G17227629	Highest channel	Complies
V	300 – 1000	G17227630	Highest channel	Complies
H	300 – 1000	G17227631	Highest channel	Complies
H	300 – 1000	G17227632	Medium channel	Complies
V	300 – 1000	G17227633	Medium channel	Complies
V	300 – 1000	G17227634	Lowest channel	Complies
H	300 – 1000	G17227635	Lowest channel	Complies
V	30 – 300	G17227636	Lowest channel	Complies
H	30 – 300	G17227637	Lowest channel	Complies
H	30 – 300	G17227638	Medium channel	Complies
V	30 – 300	G17227639	Medium channel	Complies
V	30 – 300	G17227640	Highest channel	Complies
H	30 – 300	G17227641	Highest channel	Complies
Loop	0,009 – 30	G17227642	Worst case	Complies
Remarks: 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 caused by 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

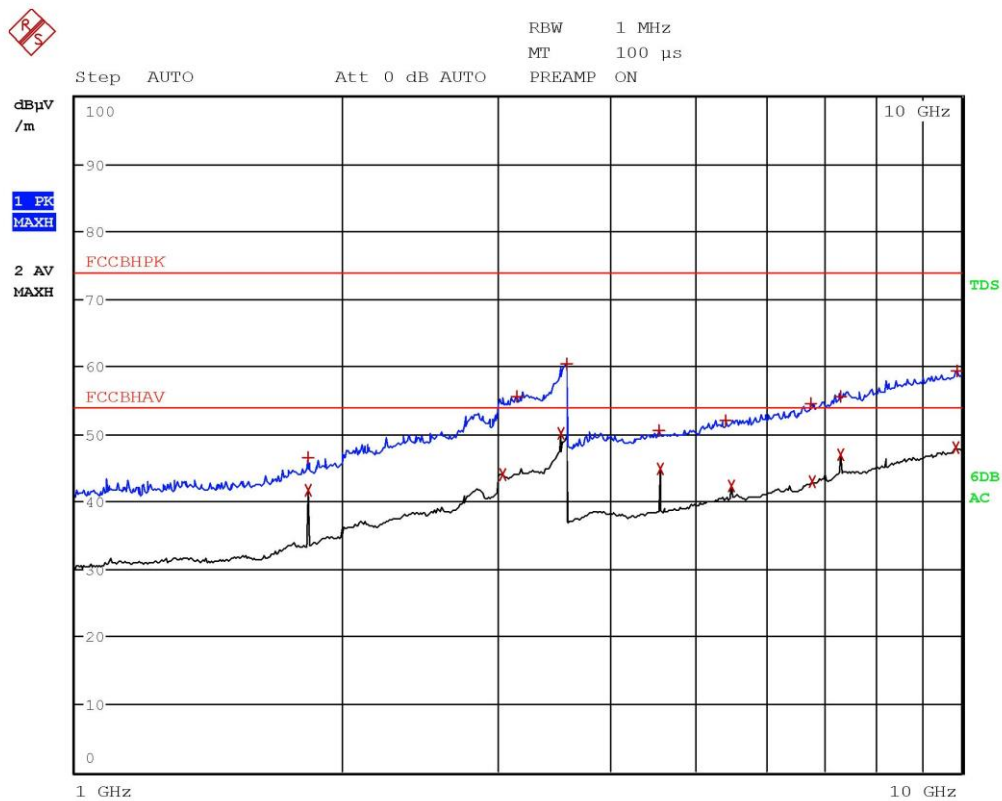


Gandini 17227624-Vert-Fmin



EDIT PEAK LIST (Prescan Results)			
Trace1:	FCCBHPK		
Trace2:	FCCBHAV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL, dBμV/m	DELTA LIMIT dB
2 Average	1.83 GHz	38.54	-15.43
1 Max Peak	1.83 GHz	45.20	-28.77
1 Max Peak	3.0016 GHz	55.96	-18.01
2 Average	3.1612 GHz	44.15	-9.82
2 Average	3.5256 GHz	50.17	-3.80
1 Max Peak	3.5832 GHz	60.95	-13.02
1 Max Peak	4.5748 GHz	51.03	-22.94
2 Average	4.5752 GHz	41.94	-12.03
1 Max Peak	5.4472 GHz	51.90	-22.07
2 Average	5.4904 GHz	42.56	-11.41
1 Max Peak	6.4032 GHz	53.63	-20.34
2 Average	6.4052 GHz	43.10	-10.88
1 Max Peak	7.3204 GHz	55.69	-18.28
2 Average	7.3204 GHz	47.99	-5.98
1 Max Peak	8.2124 GHz	56.74	-17.23
2 Average	8.2356 GHz	49.85	-4.12
1 Max Peak	9.0524 GHz	58.06	-15.91
2 Average	9.1504 GHz	50.36	-3.62
1 Max Peak	9.8572 GHz	59.44	-14.53

Gandini 17227624-Vert-Fmin

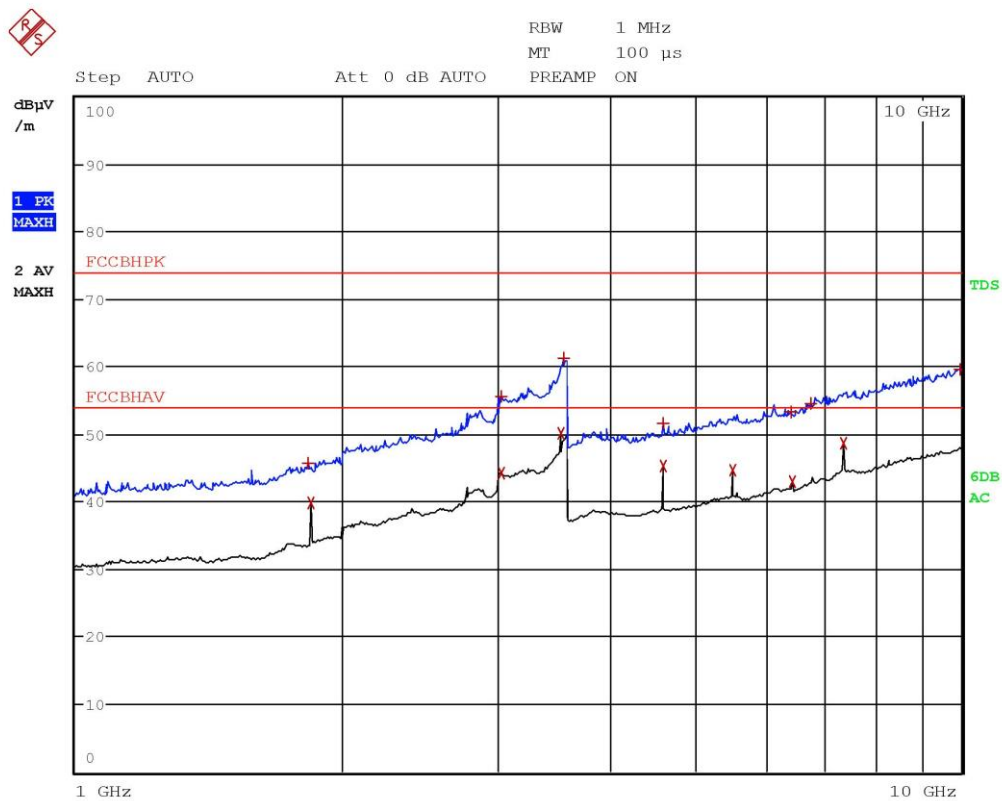


Gandini 17227625-Horiz-Fmin



EDIT PEAK LIST (Prescan Results)			
Trace1:	FCCBHPK		
Trace2:	FCCBHAV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV/m	DELTA LIMIT dB
2 Average	1.83 GHz	41.77	-12.20
1 Max Peak	1.83 GHz	46.62	-27.35
2 Average	3.0372 GHz	44.06	-9.91
1 Max Peak	3.1456 GHz	55.50	-18.47
2 Average	3.5256 GHz	50.00	-3.97
1 Max Peak	3.5888 GHz	60.33	-13.64
1 Max Peak	4.5592 GHz	50.50	-23.47
2 Average	4.5752 GHz	44.91	-9.06
1 Max Peak	5.422 GHz	52.07	-21.90
2 Average	5.49 GHz	42.39	-11.58
1 Max Peak	6.7708 GHz	54.46	-19.51
2 Average	6.7784 GHz	42.86	-11.11
1 Max Peak	7.3032 GHz	55.50	-18.47
2 Average	7.3204 GHz	46.87	-7.10
2 Average	9.8708 GHz	47.96	-6.01
1 Max Peak	9.8832 GHz	59.42	-14.55

Gandini 17227625-Horiz-Fmin

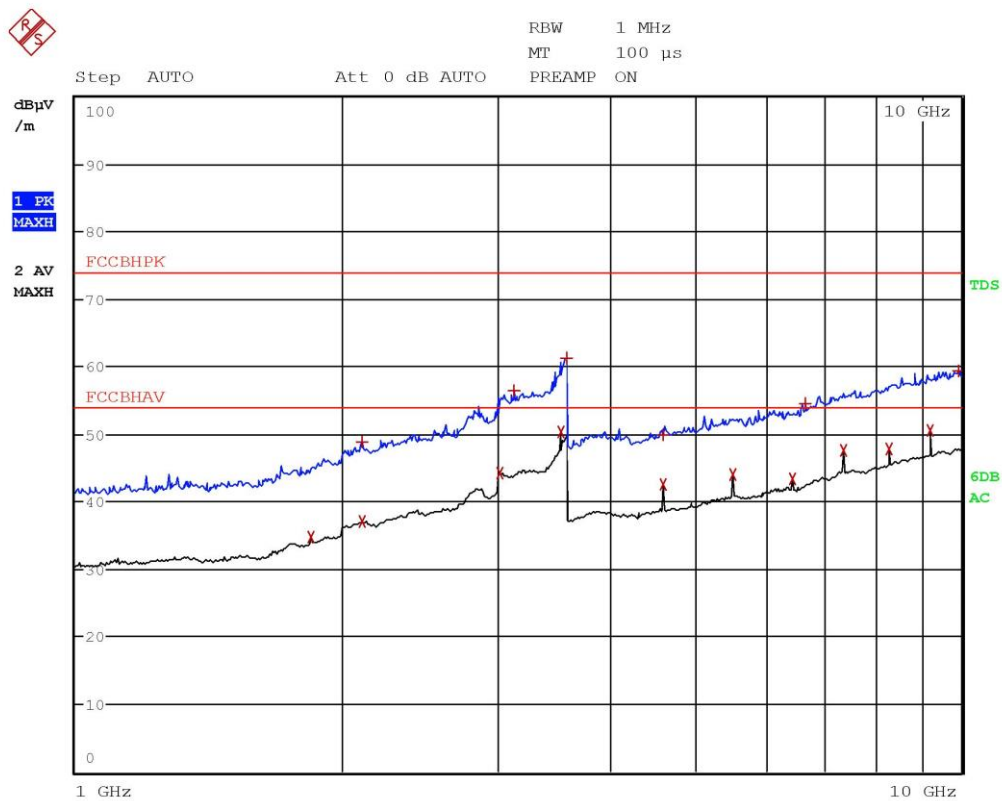


Gandini 17227626-Horiz-Fmid



EDIT PEAK LIST (Prescan Results)			
Trace1:	FCCBHPK		
Trace2:	FCCBHAV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV/m	DELTA LIMIT dB
1 Max Peak	1.83 GHz	45.61	-28.36
2 Average	1.8428 GHz	39.79	-14.18
2 Average	3.0204 GHz	44.25	-9.72
1 Max Peak	3.0248 GHz	55.47	-18.51
2 Average	3.5256 GHz	50.05	-3.92
1 Max Peak	3.5576 GHz	61.16	-12.81
2 Average	4.6068 GHz	45.37	-8.60
1 Max Peak	4.6072 GHz	51.53	-22.44
2 Average	5.5284 GHz	44.61	-9.36
1 Max Peak	6.4196 GHz	53.18	-20.79
2 Average	6.45 GHz	42.88	-11.09
1 Max Peak	6.7552 GHz	54.61	-19.36
2 Average	7.3712 GHz	48.54	-5.43
1 Max Peak	9.946 GHz	59.55	-14.42

Gandini 17227626-Horiz-Fmid

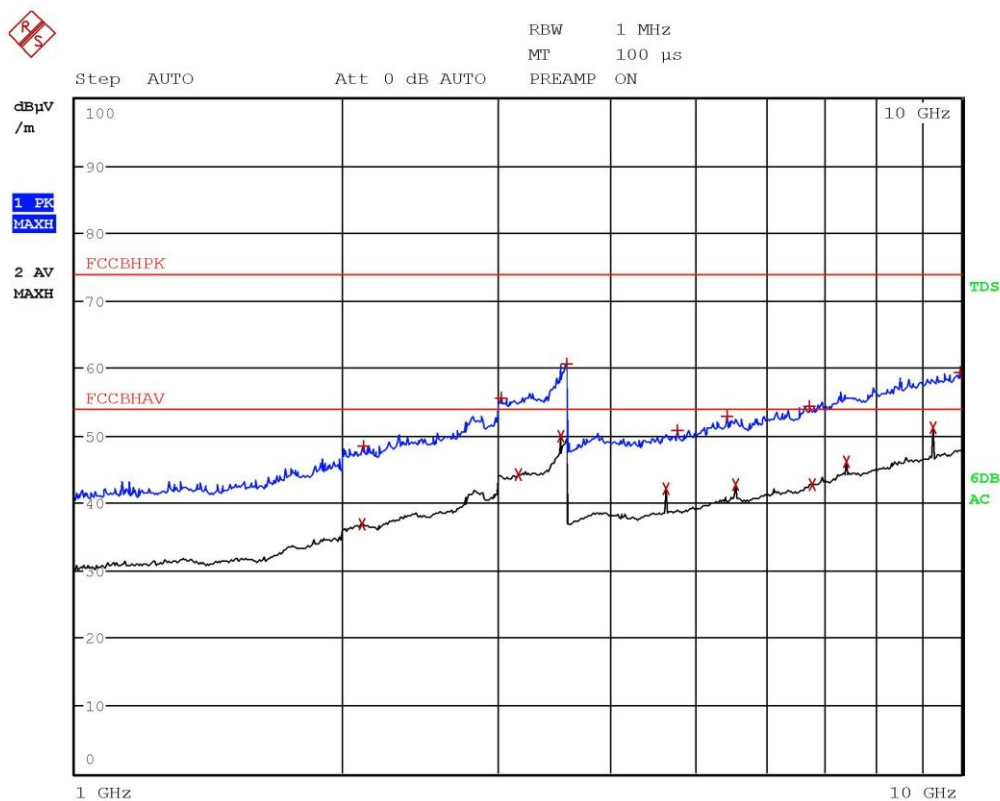


Gandini 17227627-Vert-Fmid



EDIT PEAK LIST (Prescan Results)			
Trace1:	FCCBHPK		
Trace2:	FCCBHAV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV/m	DELTA LIMIT dB
2 Average	1.8428 GHz	34.80	-19.17
2 Average	2.1036 GHz	37.13	-16.84
1 Max Peak	2.1036 GHz	48.93	-25.04
2 Average	3.0136 GHz	44.26	-9.71
1 Max Peak	3.1312 GHz	56.32	-17.65
2 Average	3.5256 GHz	50.30	-3.67
1 Max Peak	3.5816 GHz	61.26	-12.71
1 Max Peak	4.6068 GHz	49.90	-24.08
2 Average	4.6068 GHz	42.62	-11.35
2 Average	5.5284 GHz	43.96	-10.01
2 Average	6.45 GHz	43.35	-10.62
1 Max Peak	6.6688 GHz	54.56	-19.41
2 Average	7.3712 GHz	47.58	-6.39
2 Average	8.2924 GHz	47.70	-6.27
2 Average	9.214 GHz	50.62	-3.36
1 Max Peak	9.9264 GHz	59.32	-14.65

Gandini 17227627-Vert-Fmid

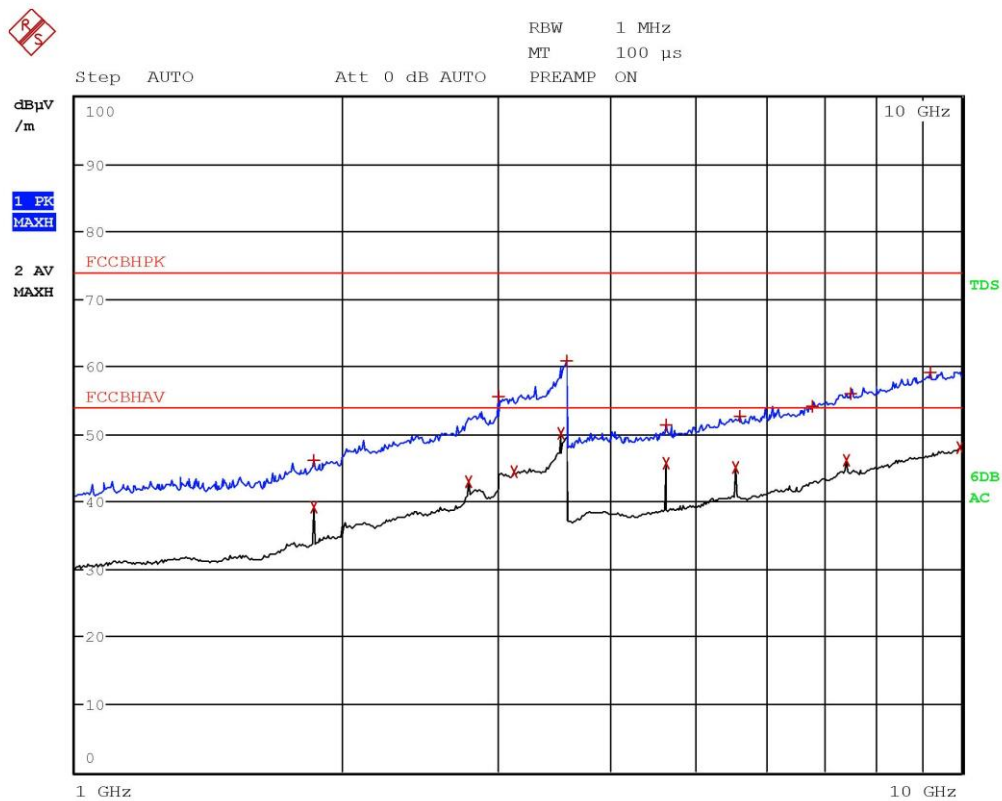


Gandini 17227628-Vert-Fmax



EDIT PEAK LIST (Prescan Results)			
Trace1:	FCCBHPK		
Trace2:	FCCBHAV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV/m	DELTA LIMIT dB
2 Average	2.1076 GHz	36.85	-17.12
1 Max Peak	2.1108 GHz	48.44	-25.53
1 Max Peak	3.0264 GHz	55.59	-18.39
2 Average	3.1572 GHz	44.24	-9.73
2 Average	3.5256 GHz	49.97	-4.00
1 Max Peak	3.586 GHz	60.67	-13.30
2 Average	4.6392 GHz	42.14	-11.83
1 Max Peak	4.782 GHz	50.79	-23.18
1 Max Peak	5.446 GHz	52.92	-21.05
2 Average	5.5668 GHz	42.65	-11.32
1 Max Peak	6.7252 GHz	54.24	-19.73
2 Average	6.7816 GHz	42.84	-11.13
2 Average	7.4224 GHz	46.01	-7.96
2 Average	9.278 GHz	51.24	-2.73
1 Max Peak	9.9496 GHz	59.37	-14.60

Gandini 17227628-Vert-Fmax

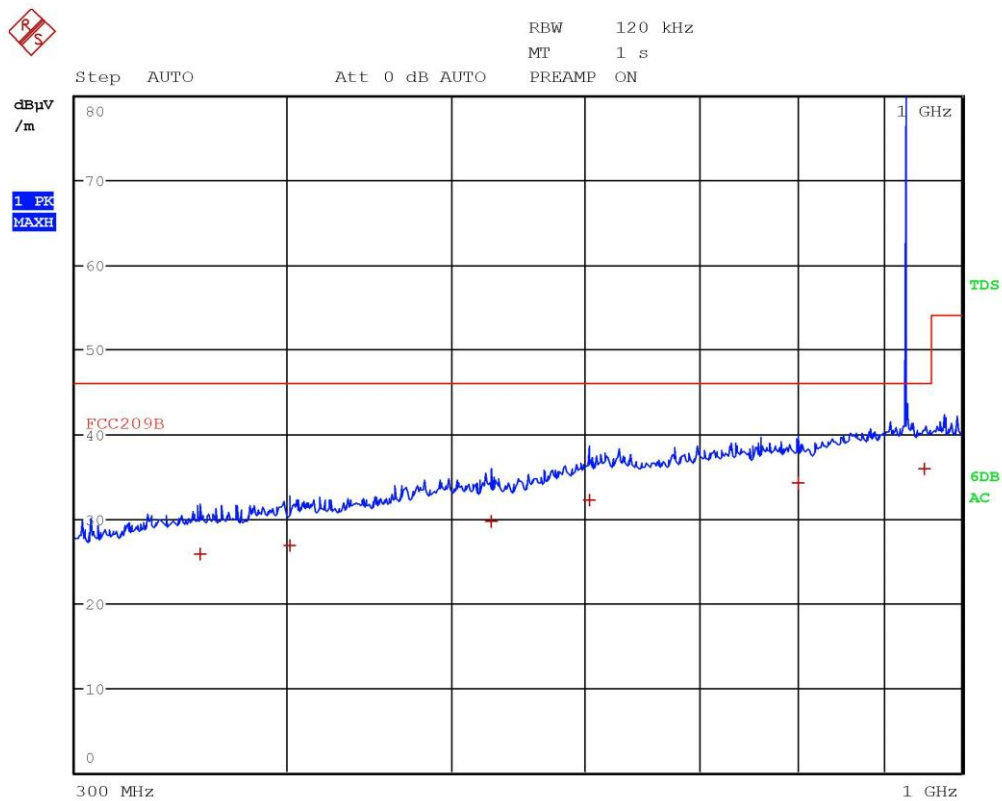


Gandini 17227629-Horiz-Fmax



EDIT PEAK LIST (Prescan Results)			
Trace1:	FCCBHPK		
Trace2:	FCCBHAV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV/m	DELTA LIMIT dB
2 Average	1.8556 GHz	39.22	-14.75
1 Max Peak	1.8608 GHz	46.01	-27.96
2 Average	2.7836 GHz	42.99	-10.98
1 Max Peak	3.006 GHz	55.52	-18.46
2 Average	3.1276 GHz	44.34	-9.63
2 Average	3.5256 GHz	50.05	-3.92
1 Max Peak	3.5904 GHz	60.79	-13.18
2 Average	4.6392 GHz	45.75	-8.22
1 Max Peak	4.6392 GHz	51.32	-22.65
2 Average	5.5668 GHz	44.99	-8.98
1 Max Peak	5.6308 GHz	52.54	-21.43
1 Max Peak	6.7952 GHz	54.16	-19.81
2 Average	7.4224 GHz	46.06	-7.91
1 Max Peak	7.51 GHz	55.91	-18.06
1 Max Peak	9.2204 GHz	59.18	-14.79
2 Average	9.9636 GHz	47.97	-6.00

Gandini 17227629-Horiz-Fmax

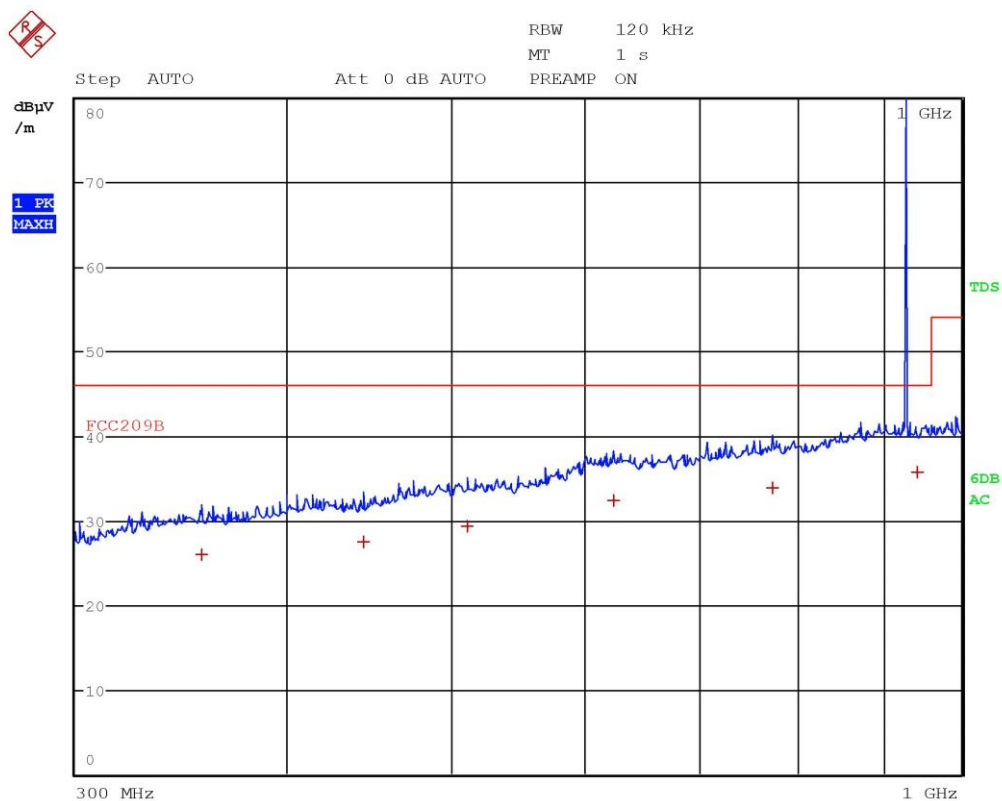
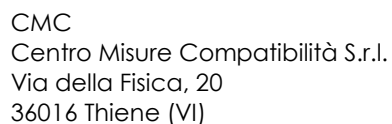


Gandini 17227630-Vert-Fmax



EDIT PEAK LIST (Final Measurement Results)			
Trace1:	FCC209B		
Trace2:	---		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV/m	DELTA LIMIT dB
1 Quasi Peak	355.56 MHz	25.84	-20.18
1 Quasi Peak	401.8 MHz	26.86	-19.15
1 Quasi Peak	527.76 MHz	29.64	-16.37
1 Quasi Peak	603 MHz	32.25	-13.76
1 Quasi Peak	801.36 MHz	34.13	-11.88
1 Quasi Peak	951.64 MHz	35.87	-10.14

Gandini 17227630-Vert-Fmax

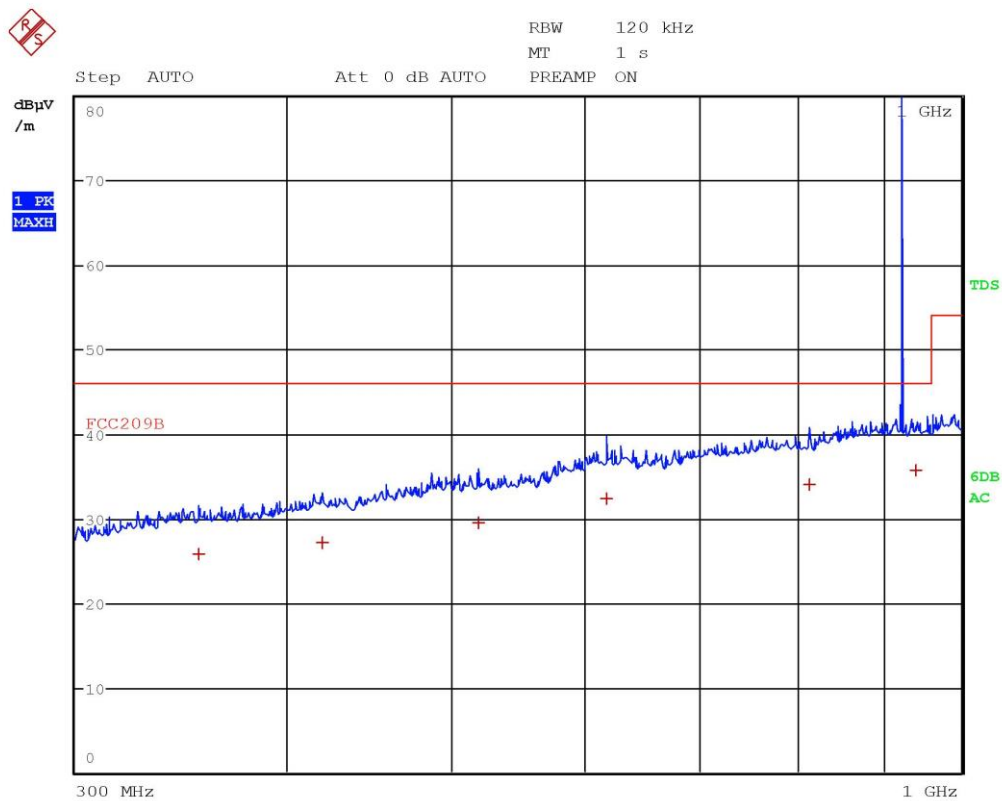


Gandini 17227631-Horiz-Fmax



EDIT PEAK LIST (Final Measurement Results)			
Trace1:	FCC209B		
Trace2:	---		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV/m	DELTA LIMIT dB
1 Quasi Peak	356.08 MHz	25.89	-20.12
1 Quasi Peak	444.04 MHz	27.54	-18.47
1 Quasi Peak	511.2 MHz	29.37	-16.64
1 Quasi Peak	623.44 MHz	32.39	-13.62
1 Quasi Peak	773 MHz	33.88	-12.13
1 Quasi Peak	942.56 MHz	35.73	-10.28

Gandini 17227631-Horiz-Fmax

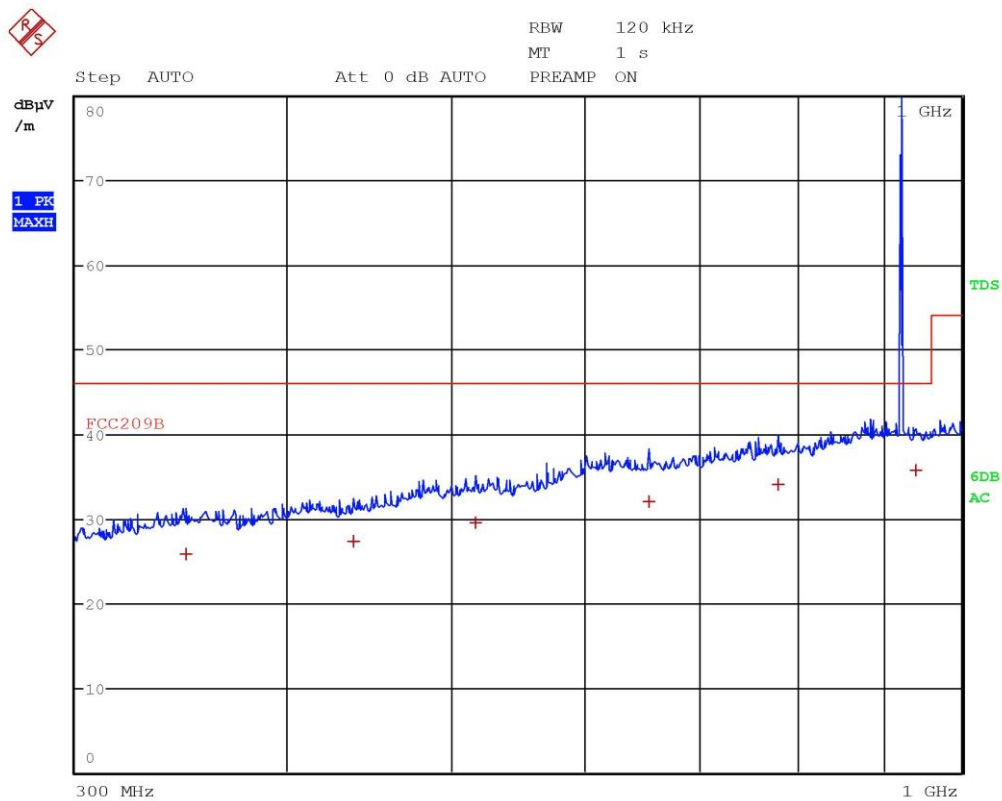


Gandini 17227632-Horiz-Fmid



EDIT PEAK LIST (Final Measurement Results)			
Trace1:	FCC209B		
Trace2:	---		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV/m	DELTA LIMIT dB
1 Quasi Peak	354.96 MHz	25.81	-20.20
1 Quasi Peak	419.76 MHz	27.16	-18.85
1 Quasi Peak	519.12 MHz	29.43	-16.58
1 Quasi Peak	617.12 MHz	32.33	-13.69
1 Quasi Peak	812.92 MHz	34.11	-11.90
1 Quasi Peak	921.4 MHz	83.97	37.95
1 Quasi Peak	940.52 MHz	35.65	-10.36

Gandini 17227632-Horiz-Fmid

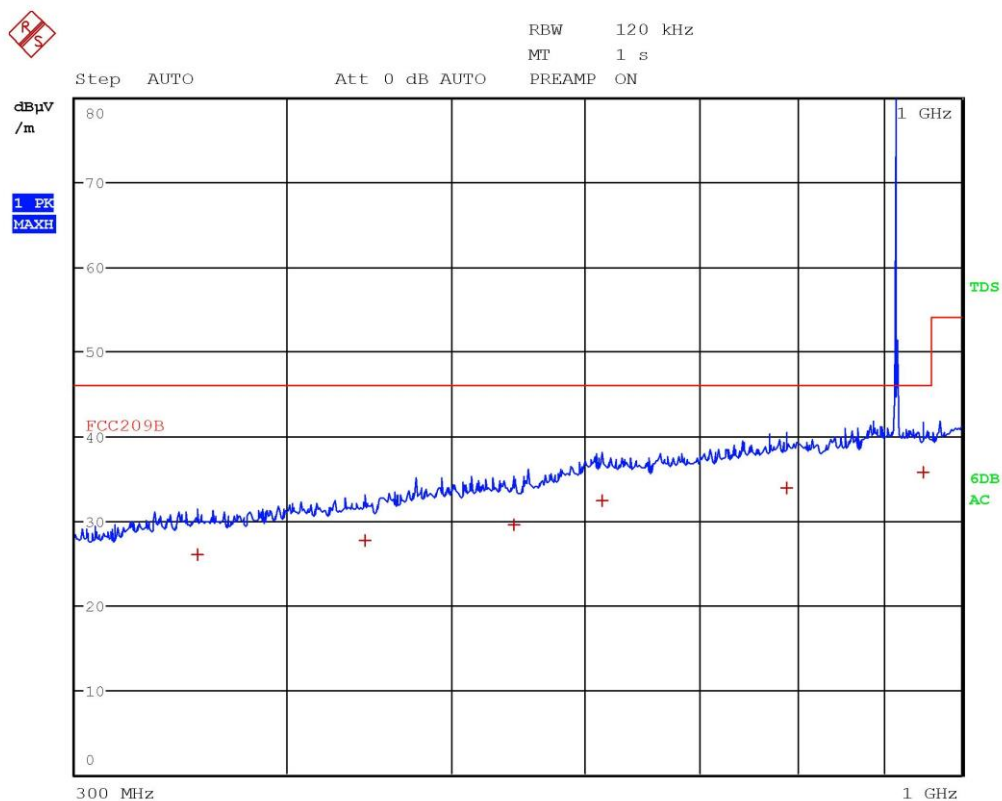


Gandini 17227633-Vert-Fmid



EDIT PEAK LIST (Final Measurement Results)			
Trace1:	FCC209B		
Trace2:	---		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV/m	DELTA LIMIT dB
1 Quasi Peak	348.96 MHz	25.82	-20.19
1 Quasi Peak	438 MHz	27.31	-18.70
1 Quasi Peak	517.24 MHz	29.44	-16.57
1 Quasi Peak	653.88 MHz	32.04	-13.97
1 Quasi Peak	780.08 MHz	33.96	-12.05
1 Quasi Peak	940.72 MHz	35.78	-10.23

Gandini 17227633-Vert-Fmid

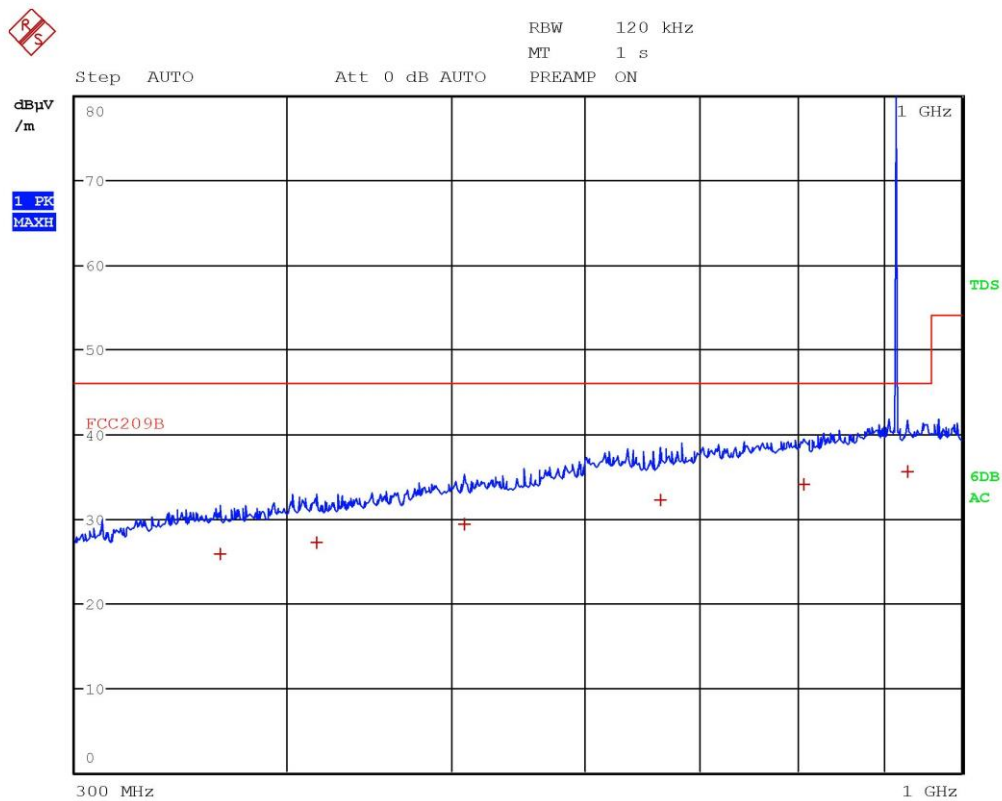


Gandini 17227634-Vert-Fmin



EDIT PEAK LIST (Final Measurement Results)			
Trace1:	FCC209B		
Trace2:	---		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV/m	DELTA LIMIT dB
1 Quasi Peak	354.24 MHz	25.89	-20.12
1 Quasi Peak	444.44 MHz	27.57	-18.44
1 Quasi Peak	544.96 MHz	29.54	-16.47
1 Quasi Peak	613.48 MHz	32.31	-13.70
1 Quasi Peak	788.24 MHz	33.91	-12.10
1 Quasi Peak	948.96 MHz	35.65	-10.36

Gandini 17227634-Vert-Fmin

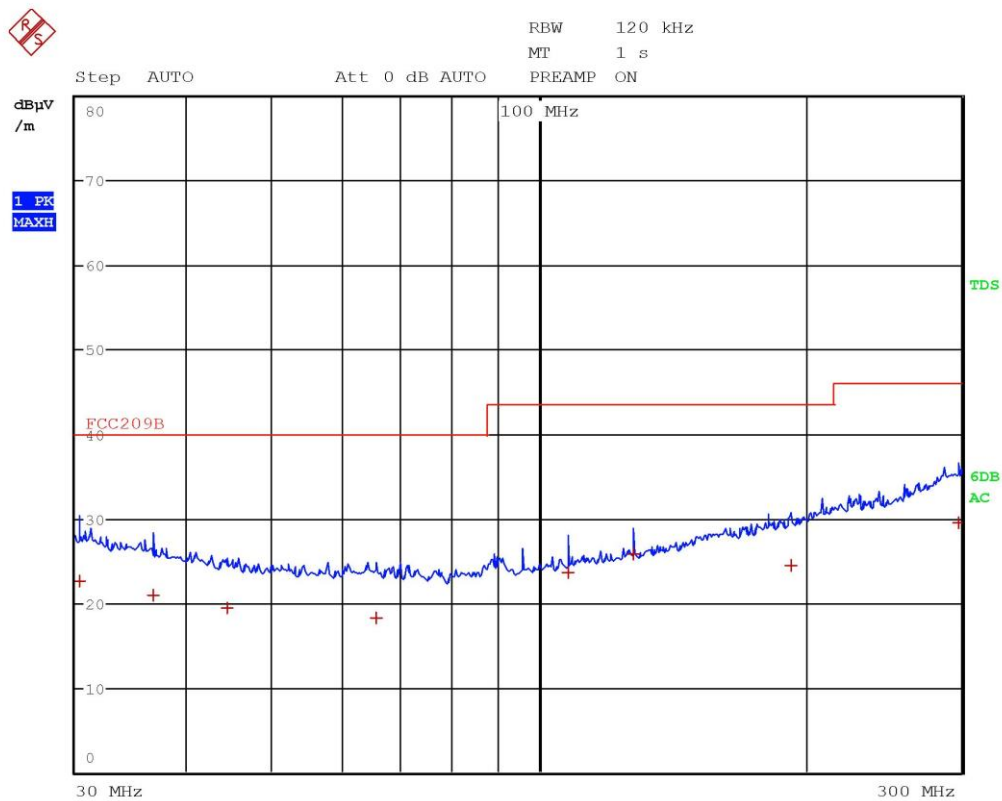


Gandini 17227635-Horiz-Fmin



EDIT PEAK LIST (Final Measurement Results)			
Trace1:	FCC209B		
Trace2:	---		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV/m	DELTA LIMIT dB
1 Quasi Peak	365.16 MHz	25.75	-20.27
1 Quasi Peak	416.8 MHz	27.16	-18.85
1 Quasi Peak	509.4 MHz	29.29	-16.72
1 Quasi Peak	664.36 MHz	32.20	-13.82
1 Quasi Peak	806.56 MHz	34.10	-11.91
1 Quasi Peak	929.76 MHz	35.58	-10.43

Gandini 17227635-Horiz-Fmin



Gandini 17227636-Vert-Fmin



EDIT PEAK LIST (Final Measurement Results)			
Trace1:	FCC209B		
Trace2:	---		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV/m	DELTA LIMIT dB
1 Quasi Peak	30.24 MHz	22.54	-17.45
1 Quasi Peak	36.72 MHz	20.85	-19.14
1 Quasi Peak	44.48 MHz	19.34	-20.65
1 Quasi Peak	65.6 MHz	18.29	-21.70
1 Quasi Peak	108 MHz	23.63	-19.88
1 Quasi Peak	128 MHz	25.87	-17.64
1 Quasi Peak	192.72 MHz	24.45	-19.06
1 Quasi Peak	297.28 MHz	29.48	-16.53

Gandini 17227636-Vert-Fmin