CMC Centro Misure Compatibilità S.r.l.
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LAB N° 0168

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

TEST REPORT nr. R17196901

Federal Communication Commission (FCC)

Test item

Description .....: CAR-PARK WIRELESS DISPLAY INTERFACE
Trademark .....: CARLO GAVAZZI CONTROLS
Model/Type .....: SBP2WDI48524
FCC ID .....: SNJDIS

Test Specification

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

Client's name .....: CARLO GAVAZZI CONTROLS S.p.A.
Address .....: Via Safforze, 8 – 32100 Belluno (BL) – ITALY

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

Report

Tested by .....: M. Segalla .....

Approved by .....: R. Beghetto – *Laboratory Manager* .....
Date of issue .....: 03.05.19
Contents.....: 99 pages

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1. Summary

Standard:

FCC Rules & Regulations, Title 47:2017
Part 15 paragraph(s): 203, 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	Emissions in restricted frequency bands and in unrestricted frequency bands	3	Complies
Part 15.247 (a) (2)	DTS bandwidth	4	Complies
Part 15.247 (d)	Band edge	5	Complies
Part 15.209 and 15.247	Fundamental emission output power	6	Complies
Part 15.209 and 15.247	Maximum power spectral density level in the fundamental emission	7	Complies
Part 15.209	Spurious emission	8	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)

EUT description	:	CAR-PARK WIRELESS DISPLAY INTERFACE
Power supply	:	24 Vdc
Software release tested into equipment		FW042S016 Rev1
Type of equipment	:	☑ Transmitter Unit
		☑ Receiver Unit
Type of station	:	☑ Fixed station
		❑ Portable station
		❑ Mobile station
Frequency band	:	F_L: 2405 MHz F_M: 2455 MHz F_H: 2475 MHz

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

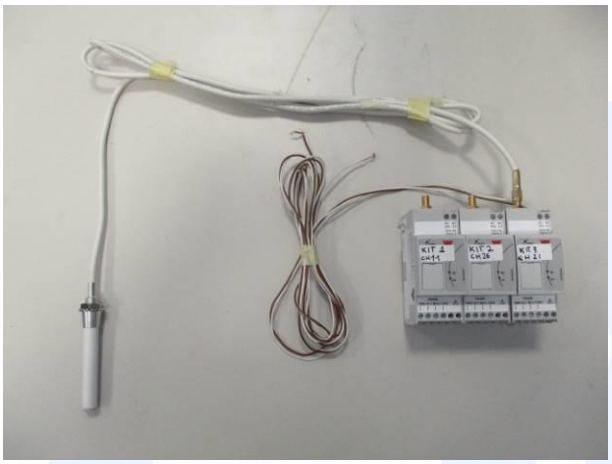
Date of receipt of test item	:	29.09.17
Testing start date	:	13.03.18
Testing end date	:	26.03.19
Samples tested nr.	:	3
		Kit #1 for tests on lowest channel
		Kit #2 for tests on medium channel
		Kit #3 for tests on highest channel
Sampling procedure.	:	Equipment used for testing was picked up by the manufacturer, at the end of the production process with random criterion
Internal identification	:	adhesive label with the product number P171128

4. Operative conditions

EUT exercising ..... :	EUT in continuous transmission at maximum power. The test lab had no ability to change the power setting. No modifications have been made on tested samples

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 S108	EMCO	3115	Horn Antenna	9811-5622	June '16	June '19
CMC S127	Schaffner	HLA6120	Loop Antenna	1191	November '15	November '18
CMC S136	Schwarzbeck	VULB 9163	Broadband Antenna	9163-205	June '16	June '19
CMC S164	Rohde & Schwarz	ESU26	EMC interference receiver	100052	January '19	January '20
CMC S290	Schwarzbeck	BBHA 9170	Horn Antenna (15-40 GHz)	733	July '16	July '19
CMC S295	Rohde & Schwarz	FSW43	Spectrum Analyzer 43GHz	104059	November '16	November '19
20 dB attenuator					Calibrated before the tests	

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	3,0 dB	1
Conducted emission CISPR 16 Voltage Probe 0,15-30MHz	PE001_02	2,9 dB	1
Conducted emission CISPR 16 Current Probe 0,15-30MHz	PE001_03	2,6 dB	1
Conducted emission CISPR 16 ISN 0,15-30MHz	PE001_04	4,7 dB	1
Clic CISPR 16 LISN 50uH 0,150-30,0MHz	PE001_05	3,1 dB	1
Disturbance Power 30-300 MHz	PE002_01	3,6 dB	1
Radiated Emission LAS 0,15-30MHz	PE003_01	2,0 dB	1
Radiated Emission CISPR 16 Loop Ant. 0,15-30MHz	PE004_01	4,0 dB	1
Radiated Emission CISPR 16 Bicon. Ant. 30-300MHz	PE004_02	3,9 dB	1
Radiated Emission CISPR 16 LogP. Ant. 300-1000MHz	PE004_03	3,8 dB	1
Radiated Emission CISPR 16 Horn Ant. 1-18GHz	PE004_04	4,2 dB	1
Human Exposure to electromagnetic fields	PE005_01	23,6 %	1
Harmonic current emissions test	PE006_01	10 mA + 2,6 %	1
Voltage fluctuation and flicker test	PE007_01	4,8 %	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	6,25 % 18,7 A/m a 300A/m	1
Dumped Magnetic field	PE108_01	6,25 % 1,87 A/m a 30A/m	1
Common mode conducted immunity	PE112_01	2,21 % 0,22 V a 10V	1

Test	Test Setup	Expanded uncertainty	Note
Power/Spurious 9kHz-30MHz	PR001_01	4,0 dB	1
Power/Spurious ERP 30-1000MHz d=10m	PR001_02+03	4,7 dB	1
Misura della potenza EiRP 1-18GHz d=3m	PR001_04	4,7 dB	1
Misura della potenza EiRP 18-40GHz d=3m	PR001_05	5,4 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	1,1 dB	1
Adjacent channel power	PR002_01+02	1,1 dB	1
Blocking	PR002_01+02	1,1 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_19_01 date 14/01/2019			

Note 1:
The expanded uncertainty reported according to the document EA-4-02 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
KDB 558074 D01 15.247 Meas Guidance v05r01	Guidance for compliance measurements on Digital Transmission System, Frequency Hopping Spread Spectrum System, and Hybrid System Devices operating under section 15.247 of the FCC rules
KDB 174176 D01 Line Conducted FAQ v01r01	AC power-line conducted emissions – Frequently Asked Questions
Internal Procedure PM001 rev. 3.0 (Quality Manual)	Measure Procedure
Internal procedure INC_M rev. 9.1 (Quality Manual)	Measurement uncertainty calculation

9. Deviation from test specification

None

10. Test case verdicts

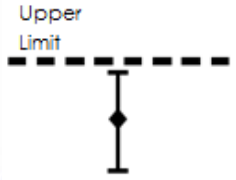
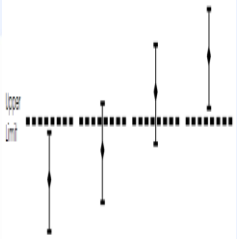
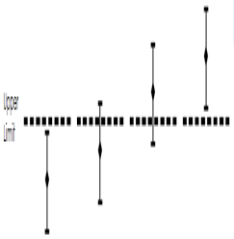
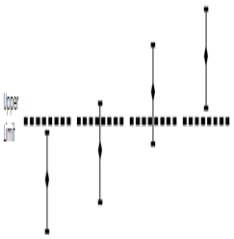
Test case does not apply to the test object	:	N.A.
Test item does meet the requirement	:	Complies
Test item does not meet the requirement	:	Does not comply
Test not performed	:	N.E.

11. Results

In this clause tests results are reported.

Measurement uncertainty is in accordance with document CMC INC_M rev. 9.1.

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
- Internal procedure PM001
- See clause 4 of this test report
- Test date: March 13th, 2018
- Technician: M. Segalla

Test configuration

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 (%)*
23	100	42

Manufacturer declaration

Antenna Type	*External R.F. power amplifier*	*Gain*	*Remarks*
External (Dipole)	Not Present	2,5 dBi	--

Result: The requirements are met

11.2 Conducted emissions

Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part 15.207
- ANSI C63.10 cl. 6.2
- Internal procedure PM001
- See clause 4 of this test report
- Test date: Marc 26th, 2019
- Technician: M. Segalla

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
EUT – LISN distance: 80 cm
EUT – reference ground plane distance: 40 cm

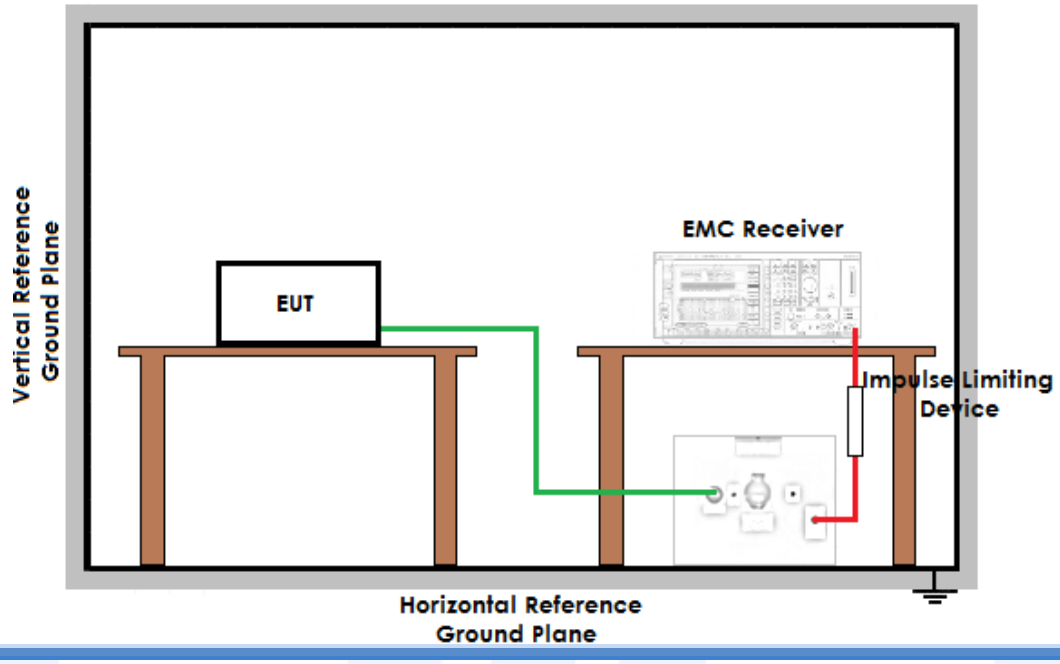
Environmental conditions

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



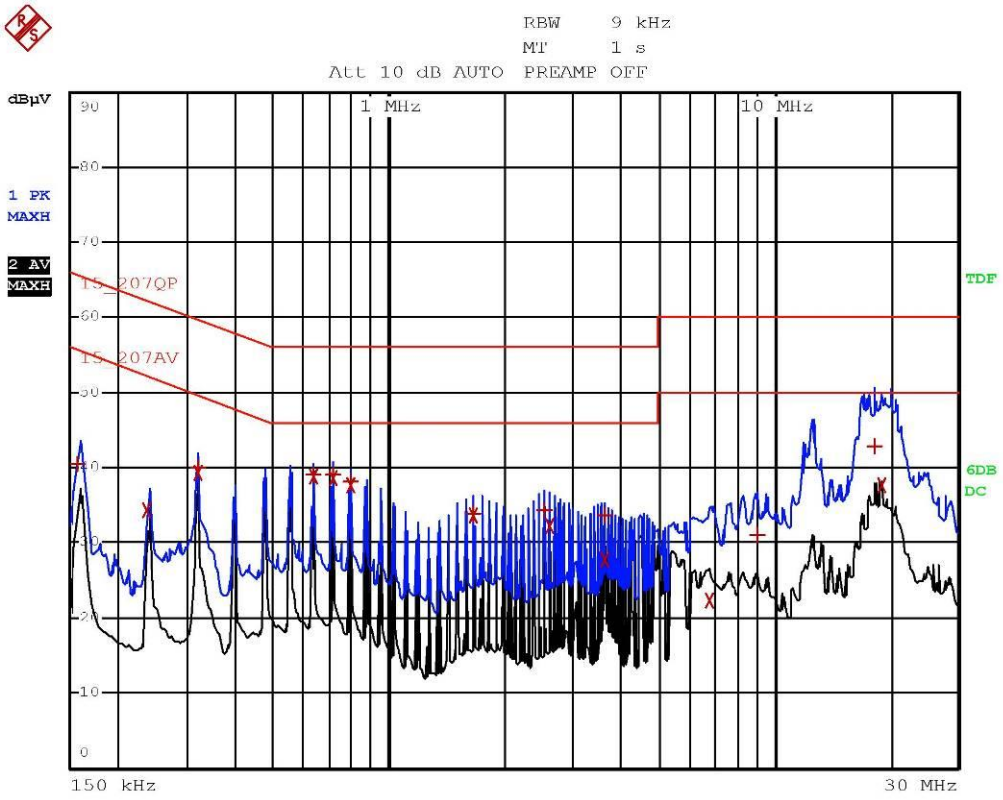
Result

Line	*Graphs*	*Remarks*	*Result*
N	G17196969	--	Complies
L1	G17196970	--	Complies
Remarks:	Tests performed on 240 Vac side of AC-DC power unit Mean Well S-60-24		

Line	*Graphs*	*Remarks*	*Result*
L1	G17196971	--	Complies
N	G17196972	--	Complies
Remarks:	Tests performed on 120 Vac side of AC-DC power unit Mean Well S-60-24		

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

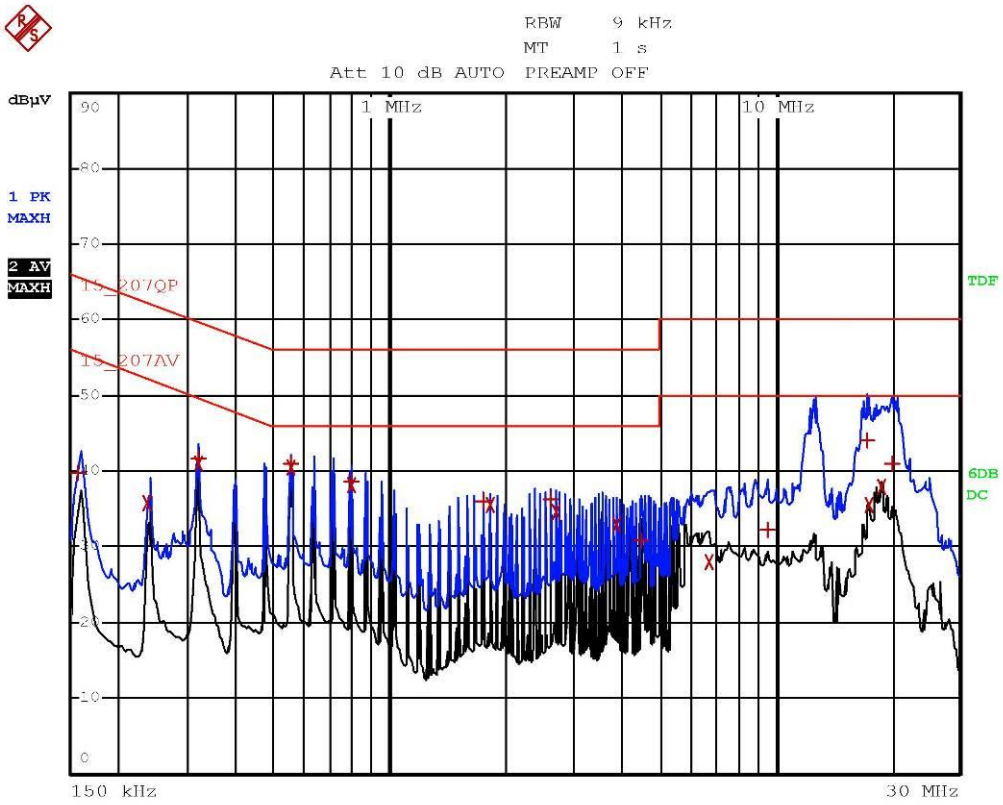
Graphs



Segalla 17196969-Line N(240V 60Hz)-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	158 kHz	40.41	-25.15
2 Average	238 kHz	34.36	-17.79
1 Quasi Peak	318 kHz	40.03	-19.72
2 Average	318 kHz	39.25	-10.50
2 Average	634 kHz	38.79	-7.20
1 Quasi Peak	634 kHz	39.17	-16.82
1 Quasi Peak	714 kHz	39.10	-16.89
2 Average	714 kHz	38.65	-7.34
1 Quasi Peak	794 kHz	38.04	-17.95
2 Average	794 kHz	37.64	-8.35
1 Quasi Peak	1.666 MHz	33.99	-22.00
2 Average	1.666 MHz	33.60	-12.39
1 Quasi Peak	2.538 MHz	34.29	-21.70
2 Average	2.618 MHz	32.29	-13.70
1 Quasi Peak	3.646 MHz	33.55	-22.45
2 Average	3.65 MHz	27.87	-18.13
2 Average	6.822 MHz	22.32	-27.68
1 Quasi Peak	9.042 MHz	31.09	-28.90
1 Quasi Peak	18.182 MHz	42.93	-17.07
2 Average	18.954 MHz	37.68	-12.32

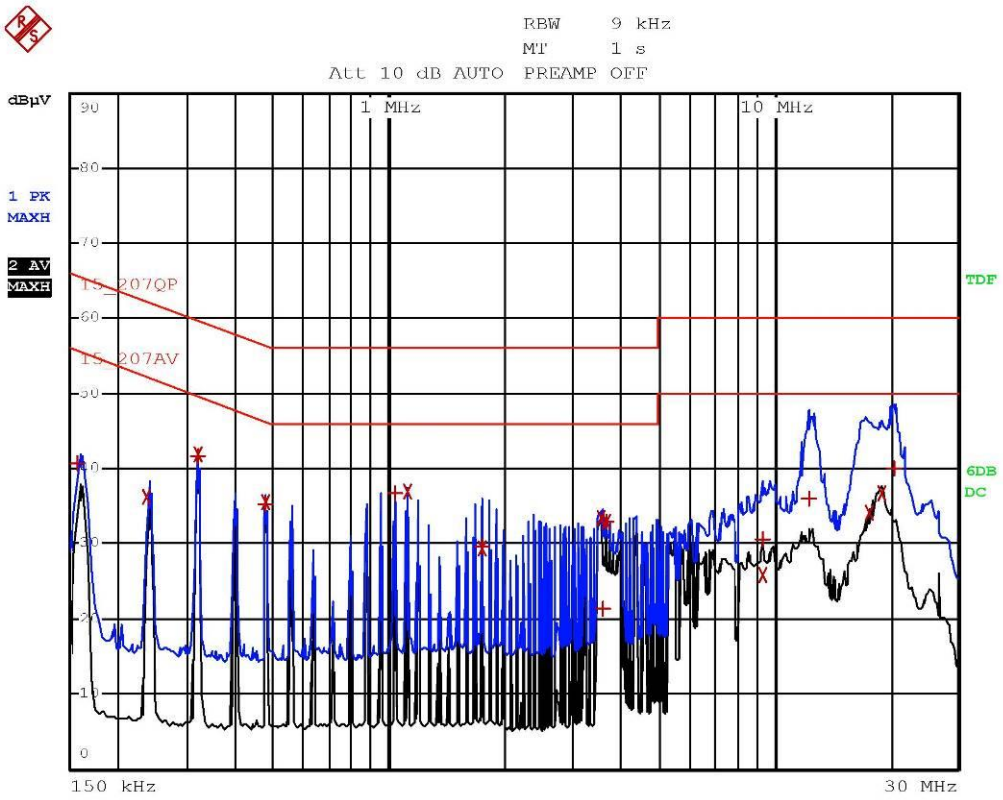
Segalla 17196969-Line N(240V 60Hz)-TX/RX



Segalla 17196970-Line L(240V 60Hz)-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	158 kHz	39.70	-25.86
2 Average	238 kHz	35.74	-16.42
1 Quasi Peak	318 kHz	41.59	-18.16
2 Average	318 kHz	40.94	-8.81
1 Quasi Peak	554 kHz	40.99	-15.00
2 Average	554 kHz	40.61	-5.38
1 Quasi Peak	794 kHz	38.61	-17.39
2 Average	794 kHz	38.20	-7.79
1 Quasi Peak	1.742 MHz	36.11	-19.88
2 Average	1.822 MHz	35.51	-10.49
1 Quasi Peak	2.614 MHz	36.15	-19.84
2 Average	2.694 MHz	34.64	-11.35
2 Average	3.882 MHz	32.99	-13.00
1 Quasi Peak	4.518 MHz	30.94	-25.05
2 Average	6.734 MHz	28.10	-21.90
1 Quasi Peak	9.586 MHz	32.15	-27.84
1 Quasi Peak	17.37 MHz	43.96	-16.03
2 Average	17.418 MHz	35.66	-14.33
2 Average	18.85 MHz	37.92	-12.07
1 Quasi Peak	20.046 MHz	40.96	-19.03

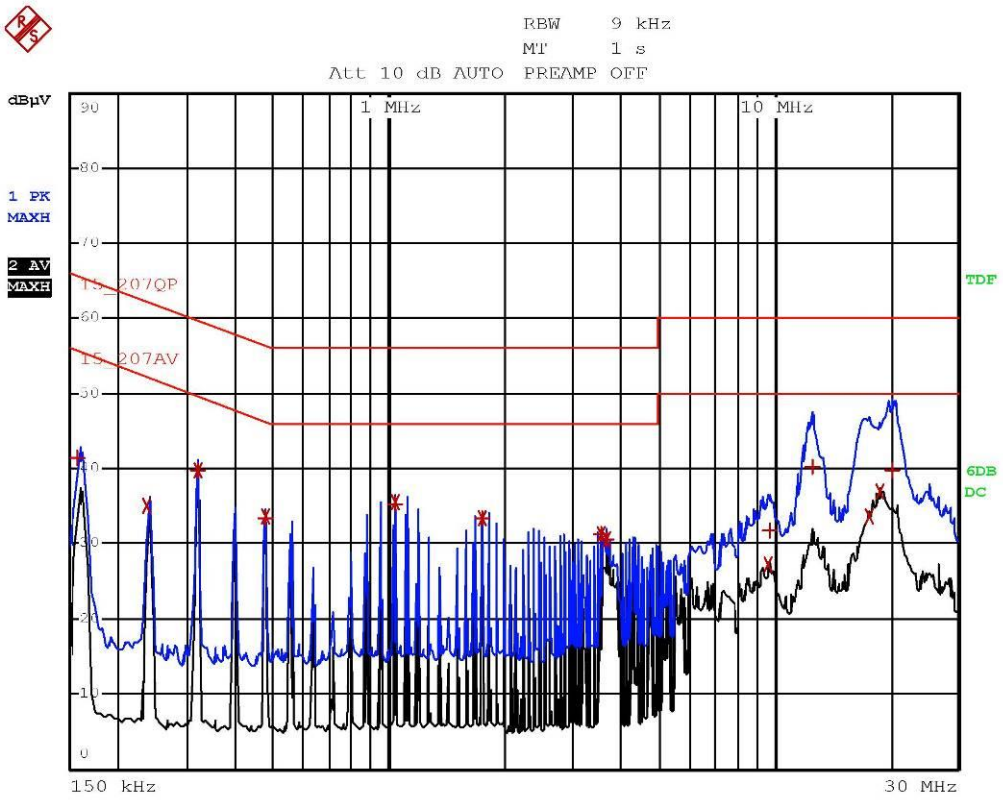
Segalla 17196970-Line L(240V 60Hz)-TX/RX



Segalla 17196971-Line L(120V 60Hz)-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	158 kHz	40.80	-24.76
2 Average	238 kHz	36.33	-15.83
1 Quasi Peak	318 kHz	41.67	-18.08
2 Average	318 kHz	41.94	-7.81
1 Quasi Peak	478 kHz	35.28	-21.09
2 Average	478 kHz	35.52	-10.85
1 Quasi Peak	1.034 MHz	36.76	-19.23
2 Average	1.114 MHz	36.85	-9.14
1 Quasi Peak	1.754 MHz	29.66	-26.33
2 Average	1.754 MHz	29.35	-16.64
2 Average	3.578 MHz	33.34	-12.65
1 Quasi Peak	3.586 MHz	21.31	-34.68
1 Quasi Peak	3.658 MHz	32.86	-23.13
2 Average	3.658 MHz	32.85	-13.14
1 Quasi Peak	9.314 MHz	30.60	-29.39
2 Average	9.314 MHz	25.83	-24.16
1 Quasi Peak	12.338 MHz	35.93	-24.06
2 Average	17.658 MHz	34.03	-15.96
2 Average	18.934 MHz	36.84	-13.15
1 Quasi Peak	20.43 MHz	40.03	-19.96

Segalla 17196971-Line L(120V 60Hz)-TX/RX



Segalla 17196972-Line N(120V 60Hz)-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	158 kHz	41.56	-24.00
2 Average	238 kHz	35.02	-17.14
1 Quasi Peak	318 kHz	39.78	-19.97
2 Average	318 kHz	39.90	-9.85
1 Quasi Peak	478 kHz	33.40	-22.97
2 Average	478 kHz	33.62	-12.74
1 Quasi Peak	1.034 MHz	35.43	-20.56
2 Average	1.034 MHz	35.63	-10.36
1 Quasi Peak	1.75 MHz	33.36	-22.63
2 Average	1.75 MHz	33.51	-12.48
1 Quasi Peak	3.578 MHz	31.31	-24.68
2 Average	3.578 MHz	31.20	-14.79
1 Quasi Peak	3.658 MHz	30.70	-25.29
2 Average	3.658 MHz	30.57	-15.42
2 Average	9.698 MHz	27.36	-22.63
1 Quasi Peak	9.702 MHz	31.83	-28.16
1 Quasi Peak	12.638 MHz	40.17	-19.82
2 Average	17.658 MHz	33.72	-16.27
2 Average	18.89 MHz	37.07	-12.92
1 Quasi Peak	20.33 MHz	39.69	-20.30

Segalla 17196972-Line N(120V 60Hz)-TX/RX

Result: The requirements are met

11.3 Emissions in restricted frequency bands and in unrestricted frequency bands

Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part. 15.209
- KDB 558074 D01 DTS Meas Guidance v05r01 cl. 8.6
- ANSI C63.10 cl. 11.12.1
- Internal procedure PM001
- See clause 4 of this test report
- Test date: March 13th, 2018
- Technician: M. Segalla

Test configuration

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 S136, CMC S164, CMC S290
Measurement uncertainty: See clause 7 of this test report

Test specification

Port: Enclosure
Frequency range: 0,009 MHz – 26000 MHz
Antenna polarization: Horizontal (H) – Vertical (V)
EUT height about the floor:
80 cm for frequencies ≤ 1000 MHz
150 cm for frequencies > 1000 MHz
EUT – Antenna distance:
10 m for frequencies ≤ 1000 MHz
3 m for frequencies > 1000 MHz

Environmental conditions

Temperature (°C)	*Atmospheric pressure (kPa)*	*Relative humidity (%)*
22	100	42

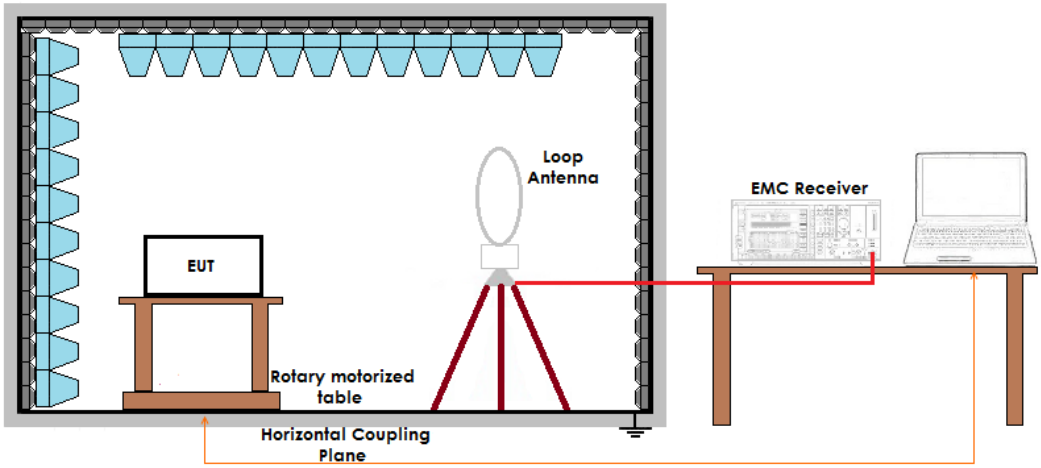
Acceptance limits

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

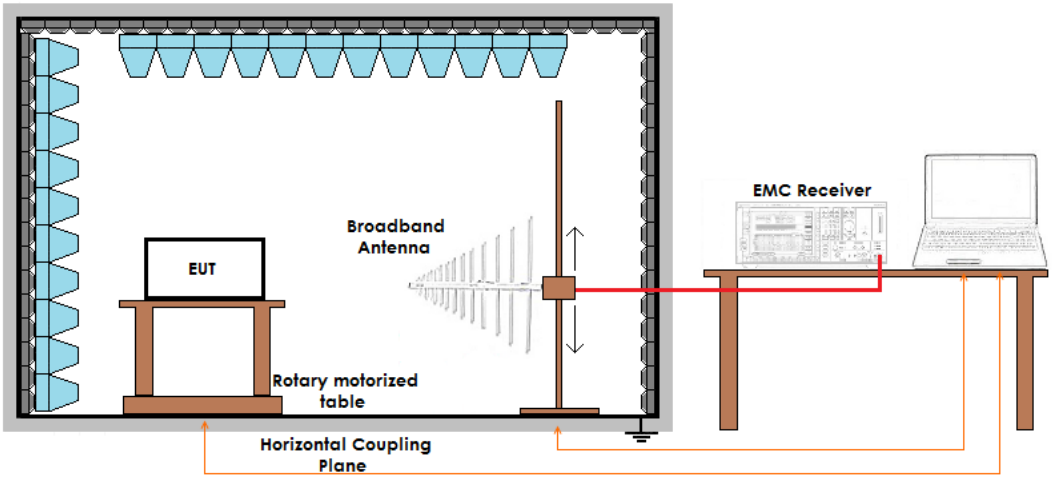
Remarks: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector. The results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

Setup

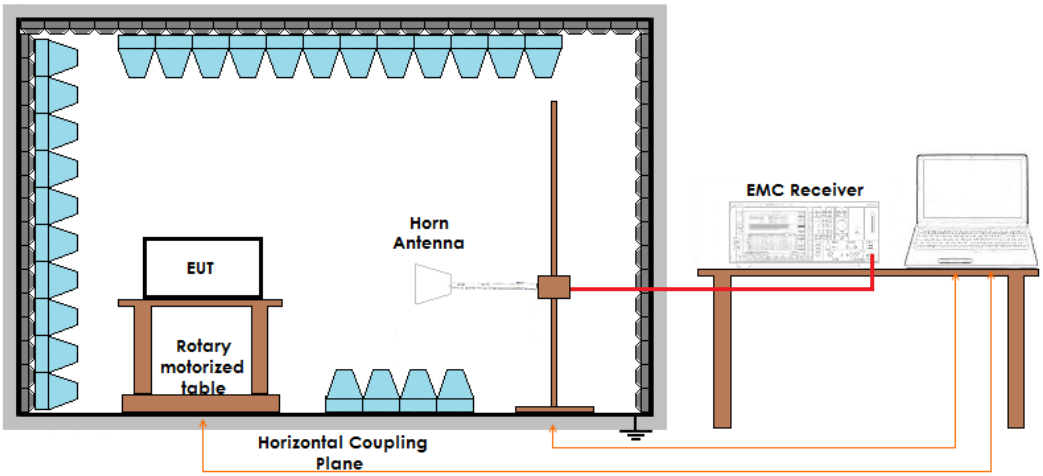
Frequency ≤ 30 MHz



Frequency ≤ 1 GHz



Frequency > 1 GHz



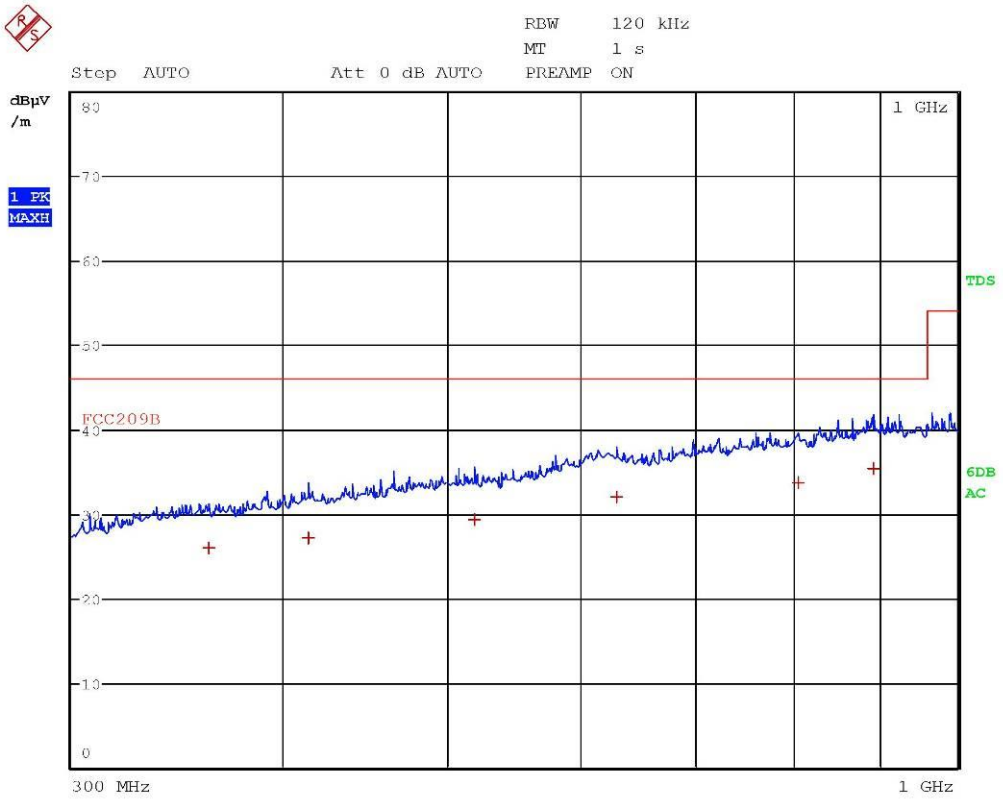
Result

Polarization	*Frequency Range (MHz)*	*Graphs*	*Remarks*	*Result*
H	300 – 1000	G17196901	Worst case	Complies
V	300 – 1000	G17196902	Worst case	Complies
V	30 – 300	G17196903	Worst case	Complies
H	30 – 300	G17196904	Worst case	Complies
Loop	0,009 – 30	G17196905	Worst case	Complies
V	1000 – 4000	G17196906	Medium channel	Complies
H	1000 – 4000	G17196907	Medium channel	Complies
V	1000 – 4000	G17196908	Lowest channel	Complies
H	1000 – 4000	G17196909	Lowest channel	Complies
H	1000 – 4000	G17196910	Highest channel	Complies
V	1000 – 4000	G17196911	Highest channel	Complies
H	4000 – 10000	G17196912	Medium channel	Complies
V	4000 – 10000	G17196913	Medium channel	Complies
V	4000 – 10000	G17196914	Lowest channel	Complies
H	4000 – 10000	G17196915	Lowest channel	Complies
H	4000 – 10000	G17196916	Highest channel	Complies
V	4000 – 10000	G17196917	Highest channel	Complies
H	10000 – 18000	G17196918	Highest channel	Complies
V	10000 – 18000	G17196919	Highest channel	Complies
H	10000 – 18000	G17196920	Lowest channel	Complies
V	10000 – 18000	G17196921	Lowest channel	Complies
H	10000 – 18000	G17196922	Medium channel	Complies
V	10000 – 18000	G17196923	Medium channel	Complies
V	18000 – 26000	G17196924	Worst case	Complies
H	18000 – 26000	G17196925	Worst case	Complies

Remarks: *: these test was performed at a site other than an OATS, adequate comparison measurements have been made against an OATS. The semi-anechoic chamber results are generally slightly higher than OATS. This mean that if the measurement passes in the semi-anechoic chamber, it will pass with a higher margin on an open field test site.
EUT was tested in 3 orthogonal planes, graphs are related to the highest detected levels.
Measurements at frequencies lower than 30 MHz have been performed with an EUT – antenna distance of 10 m. Limits have been corrected with conversion factor Limits + 40log(test distance/10) based on the measuring distance provided by the standard.
Measurements at frequencies higher than 30 MHz and lower than 1000 MHz have been performed with an EUT – antenna distance of 10 m. Limits have been corrected with conversion factor Limits + 20log(3/10) based on the measuring distance provided by the standard.
Peaks above the limits are caused by the nominal transmitting frequencies.

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



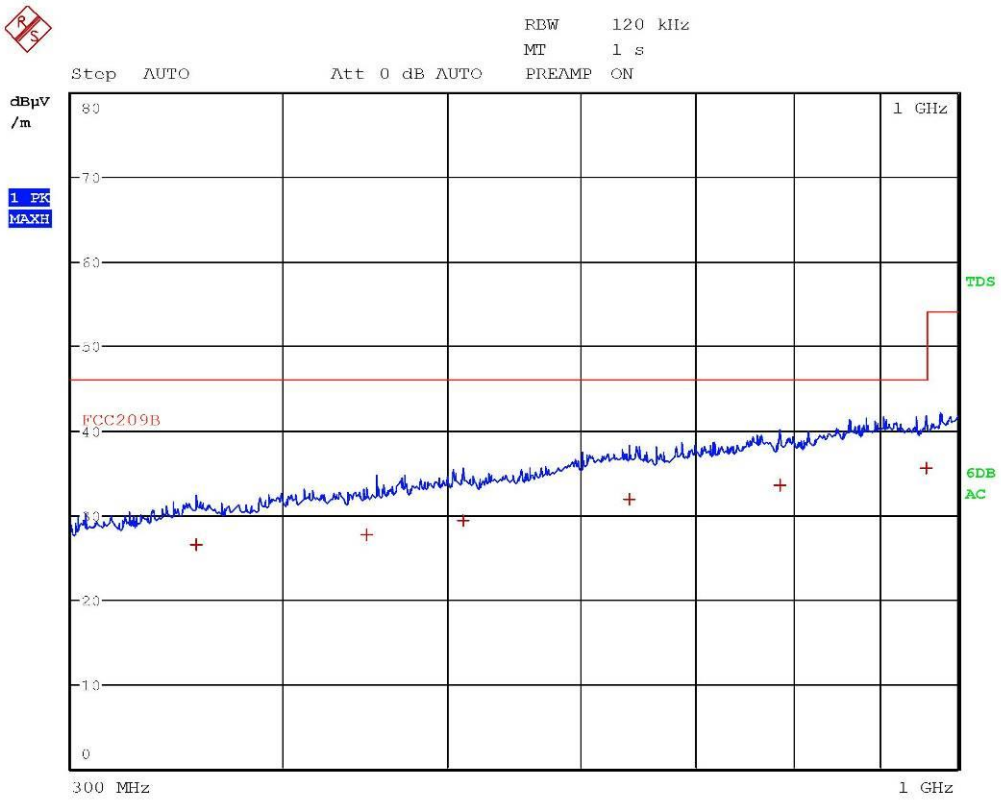
Segalla 17196901-Horiz(300-1000MHz)-TX-RX

EDIT PEAK LIST (Final Measurement Results)

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

TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
1 Quasi Peak	362 MHz	25.97	-20.05
1 Quasi Peak	413.8 MHz	27.14	-18.87
1 Quasi Peak	518.64 MHz	29.36	-16.66
1 Quasi Peak	629.84 MHz	32.08	-13.93
1 Quasi Peak	804.84 MHz	33.72	-12.29
1 Quasi Peak	891.64 MHz	35.34	-10.67

Segalla 17196901-Horiz(300-1000MHz)-TX-RX



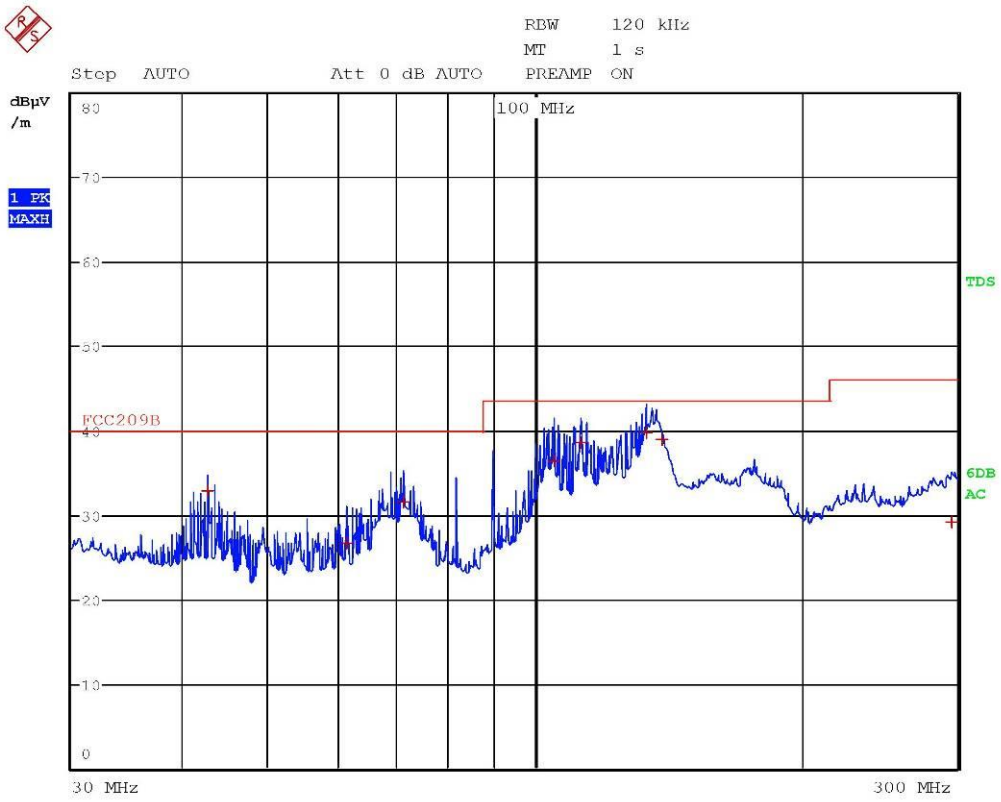
Segalla 17196902-Vert(300-1000MHz)-TX-RX

EDIT PEAK LIST (Final Measurement Results)

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

TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
1 Quasi Peak	355.68 MHz	26.38	-19.63
1 Quasi Peak	447.72 MHz	27.59	-18.42
1 Quasi Peak	510.48 MHz	29.24	-16.77
1 Quasi Peak	640.84 MHz	31.78	-14.23
1 Quasi Peak	785.28 MHz	33.50	-12.51
1 Quasi Peak	958.32 MHz	35.51	-10.50

Segalla 17196902-Vert(300-1000MHz)-TX-RX



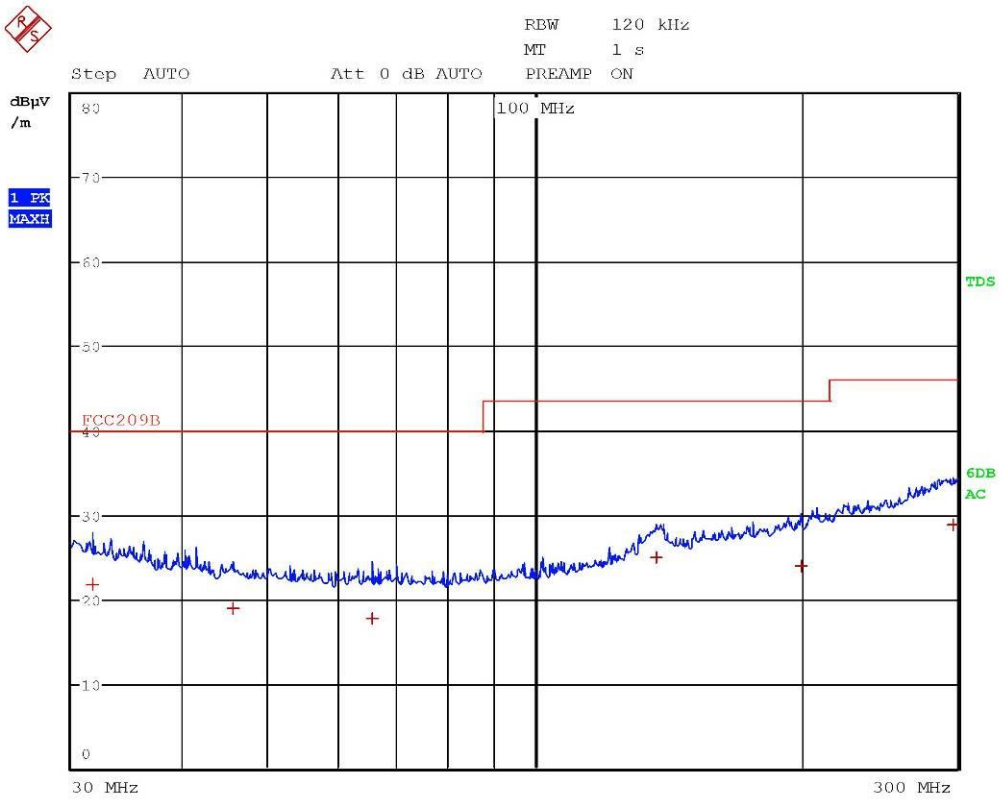
Segalla 17196903-Vert(30-300MHz)-TX-RX

EDIT PEAK LIST (Final Measurement Results)

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

TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
1 Quasi Peak	42.76 MHz	32.82	-7.17
1 Quasi Peak	61.44 MHz	26.60	-13.39
1 Quasi Peak	71.04 MHz	31.50	-8.49
1 Quasi Peak	105.04 MHz	36.33	-7.18
1 Quasi Peak	112.6 MHz	38.58	-4.93
1 Quasi Peak	133.6 MHz	39.75	-3.76
1 Quasi Peak	139.28 MHz	38.92	-4.59
1 Quasi Peak	295.76 MHz	29.15	-16.86

Segalla 17196903-Vert(30-300MHz)-TX-RX



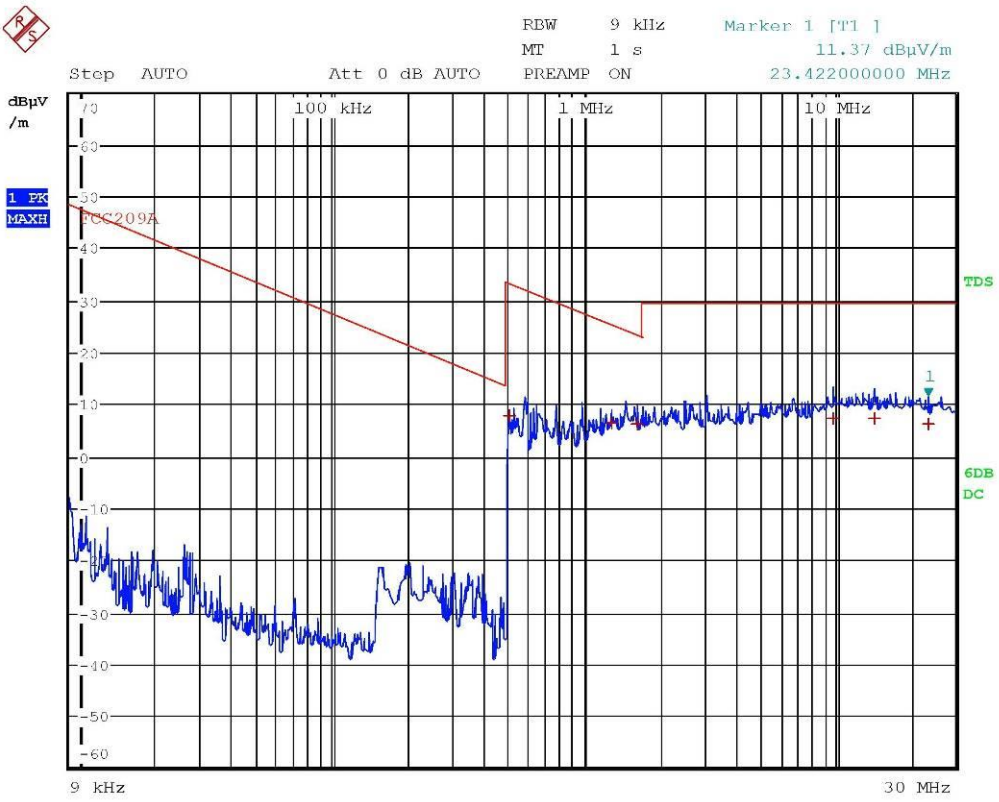
Segalla 17196904-Horiz(30-300MHz)-TX-RX

EDIT PEAK LIST (Final Measurement Results)

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

TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
1 Quasi Peak	31.68 MHz	21.69	-18.30
1 Quasi Peak	45.72 MHz	18.83	-21.16
1 Quasi Peak	65.56 MHz	17.76	-22.23
1 Quasi Peak	137.4 MHz	24.90	-18.61
1 Quasi Peak	199.8 MHz	24.00	-19.51
1 Quasi Peak	296.2 MHz	28.87	-17.14

Segalla 17196904-Horiz(30-300MHz)-TX-RX



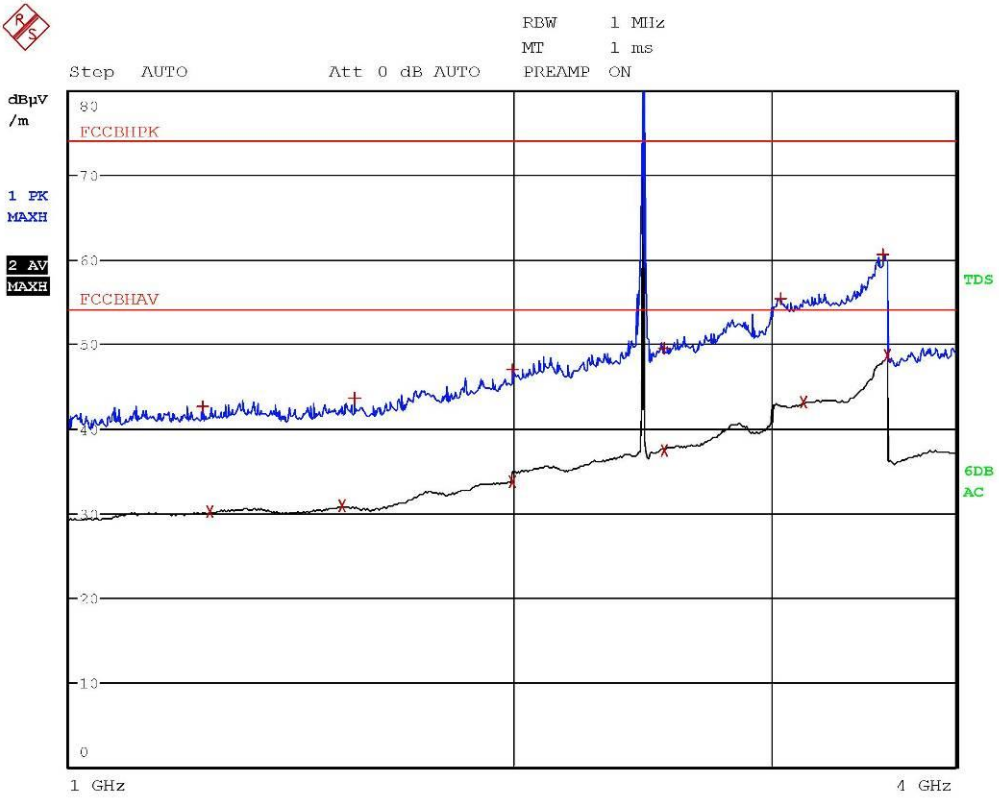
Segalla 17196905

EDIT PEAK LIST (Final Measurement Results)

Trace1:	FCC209A
Trace2:	---
Trace3:	---

TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
1 Quasi Peak	502 kHz	8.00	-25.58
1 Quasi Peak	1.282 MHz	6.42	-19.02
1 Quasi Peak	1.63 MHz	6.33	-17.02
1 Quasi Peak	9.858 MHz	7.31	-22.22
1 Quasi Peak	14.33 MHz	7.33	-22.20
1 Quasi Peak	23.422 MHz	6.25	-23.28

Segalla 17196905



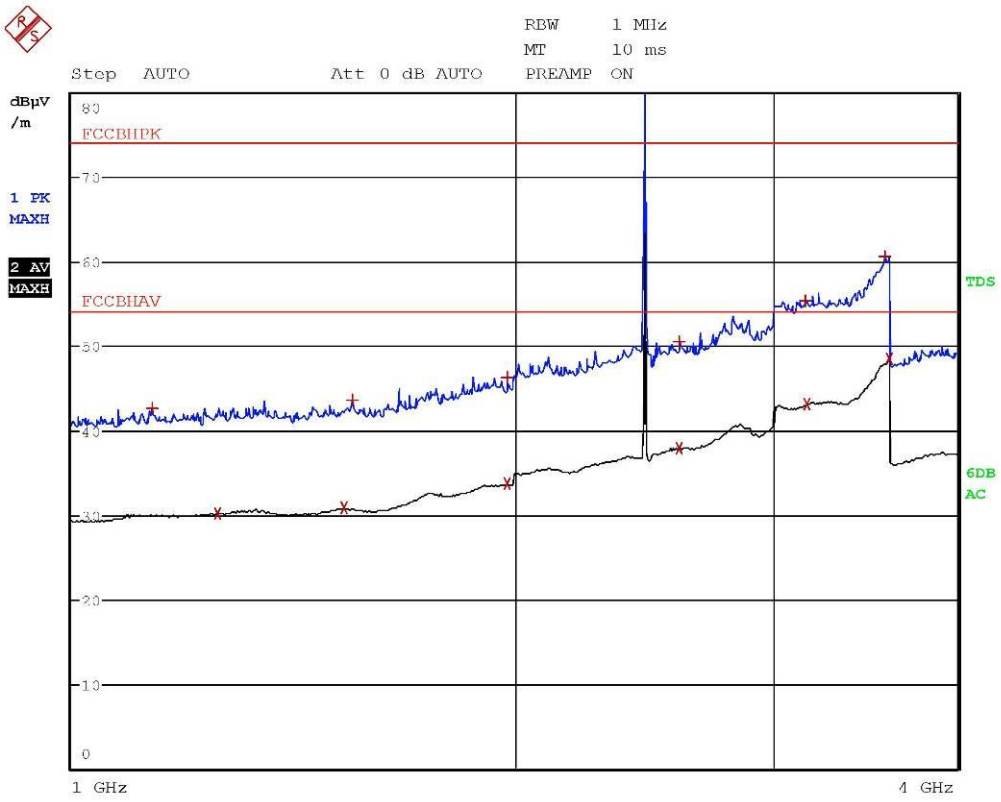
Segalla 17196906

EDIT PEAK LIST (Prescan Results)

Trace1:	FCCBHPK
Trace2:	FCCBHAV
Trace3:	---

TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
1 Max Peak	1.2324 GHz	42.66	-31.31
2 Average	1.2456 GHz	30.24	-23.73
2 Average	1.53 GHz	30.77	-23.21
1 Max Peak	1.5624 GHz	43.62	-30.35
1 Max Peak	1.9984 GHz	47.01	-26.96
2 Average	1.9988 GHz	33.65	-20.32
2 Average	2.5343 GHz	37.47	-16.50
1 Max Peak	2.5367 GHz	49.43	-24.54
1 Max Peak	3.0399 GHz	55.39	-18.58
2 Average	3.1563 GHz	43.16	-10.81
1 Max Peak	3.5731 GHz	60.57	-13.40
2 Average	3.5991 GHz	48.61	-5.36

Segalla 17196906



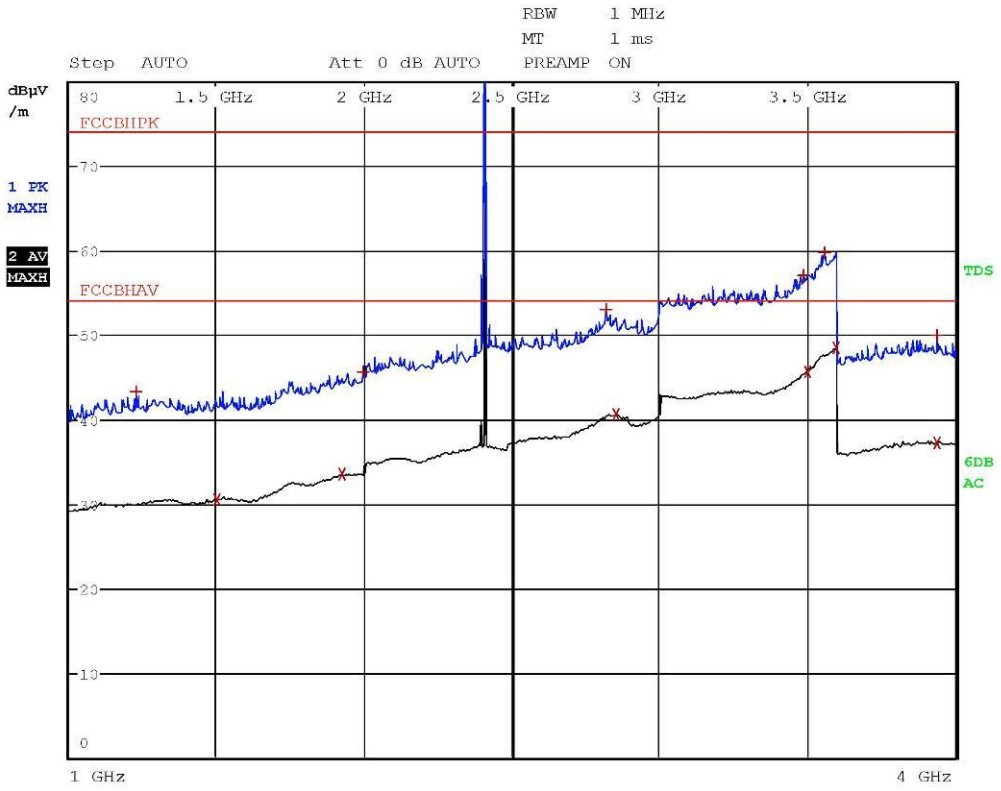
Segalla 17196907

EDIT PEAK LIST (Prescan Results)

Trace1:	FCCBHPK
Trace2:	FCCBHAV
Trace3:	---

TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
1 Max Peak	1.1356 GHz	42.68	-31.29
2 Average	1.2572 GHz	30.21	-23.76
2 Average	1.5324 GHz	30.79	-23.18
1 Max Peak	1.5508 GHz	43.62	-30.35
1 Max Peak	1.9768 GHz	46.30	-27.67
2 Average	1.978 GHz	33.67	-20.30
1 Max Peak	2.5847 GHz	50.52	-23.46
2 Average	2.5895 GHz	37.81	-16.16
1 Max Peak	3.1543 GHz	55.41	-18.56
2 Average	3.1623 GHz	43.13	-10.84
1 Max Peak	3.5703 GHz	60.65	-13.32
2 Average	3.5983 GHz	48.54	-5.43

Segalla 17196907



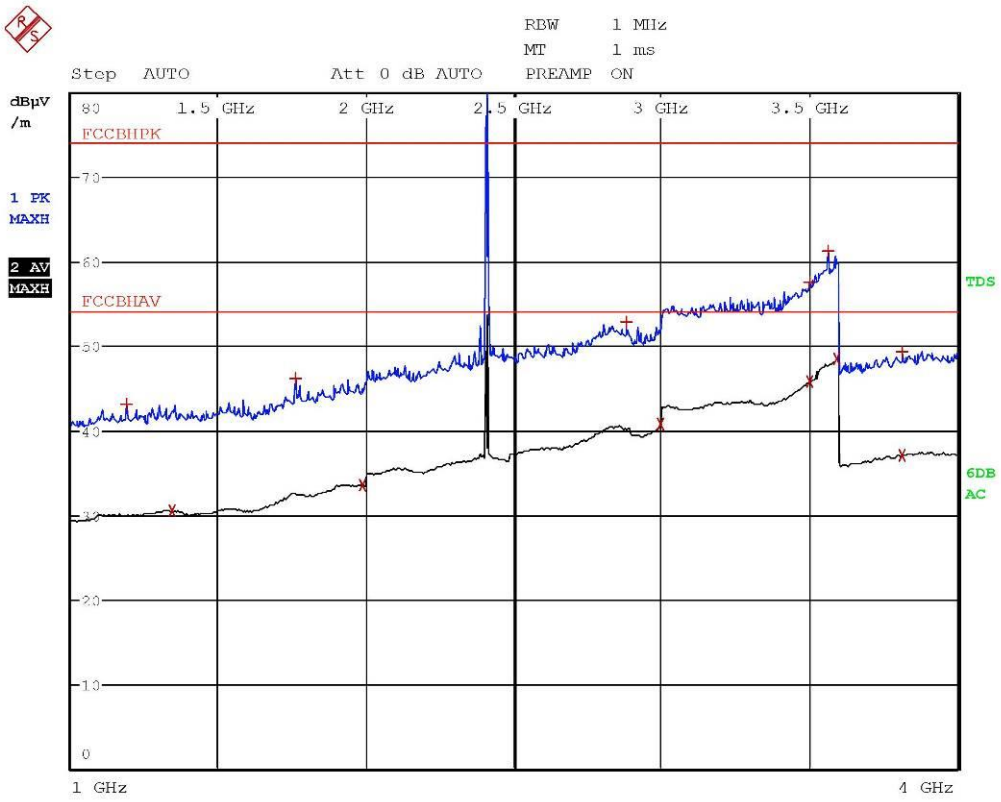
Segalla 17196908

EDIT PEAK LIST (Prescan Results)

Trace1:	FCCBHPK
Trace2:	FCCBHAV
Trace3:	---

	TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
1	Max Peak	1.2236 GHz	43.21	-30.76
2	Average	1.4996 GHz	30.57	-23.40
2	Average	1.922 GHz	33.55	-20.42
1	Max Peak	1.9932 GHz	45.58	-28.40
1	Max Peak	2.8147 GHz	52.97	-21.00
2	Average	2.8519 GHz	40.58	-13.39
1	Max Peak	3.4875 GHz	57.03	-16.94
2	Average	3.4987 GHz	45.61	-8.36
1	Max Peak	3.5555 GHz	59.79	-14.18
2	Average	3.5995 GHz	48.53	-5.44
2	Average	3.9359 GHz	37.26	-16.71
1	Max Peak	3.9395 GHz	49.99	-23.98

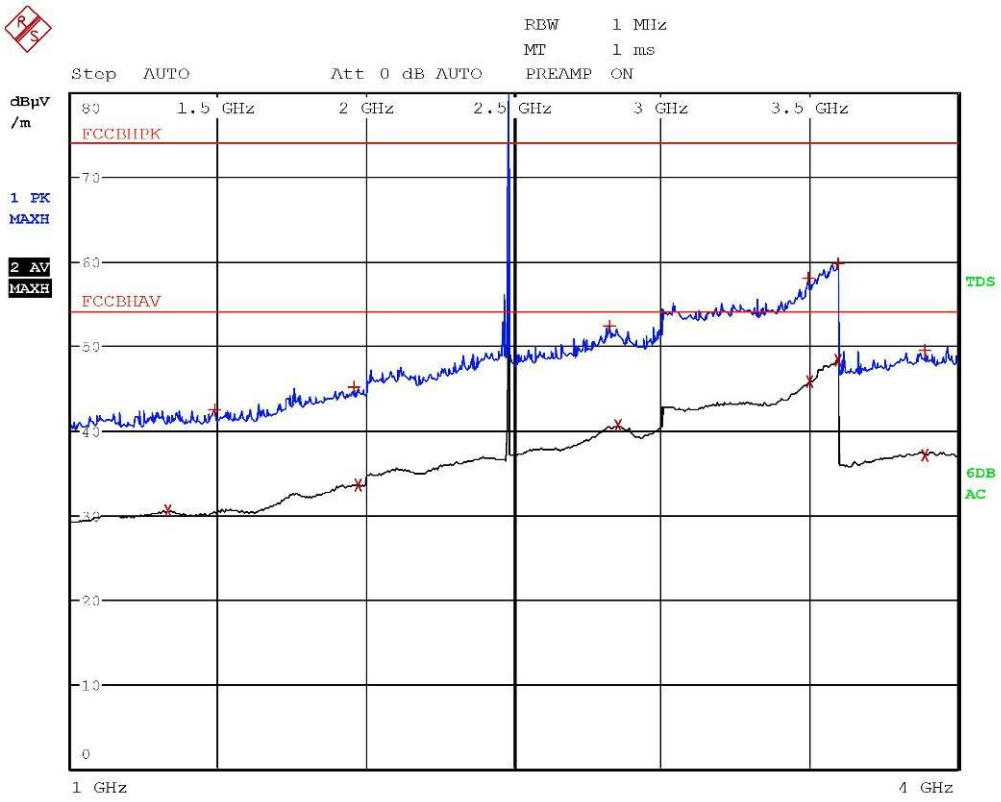
Segalla 17196908



Segalla 17196909

EDIT PEAK LIST (Prescan Results)			
Trace1:	FCCBHPK		
Trace2:	FCCBHAV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
1 Max Peak	1.1872 GHz	43.10	-30.87
2 Average	1.342 GHz	30.58	-23.39
1 Max Peak	1.76 GHz	46.19	-27.78
2 Average	1.984 GHz	33.55	-20.42
1 Max Peak	2.8807 GHz	52.80	-21.17
2 Average	2.9987 GHz	40.78	-13.19
2 Average	3.4983 GHz	45.87	-8.10
1 Max Peak	3.4999 GHz	57.49	-16.48
1 Max Peak	3.5615 GHz	61.33	-12.65
2 Average	3.5915 GHz	48.47	-5.50
1 Max Peak	3.8127 GHz	49.36	-24.61
2 Average	3.8135 GHz	37.10	-16.87

Segalla 17196909



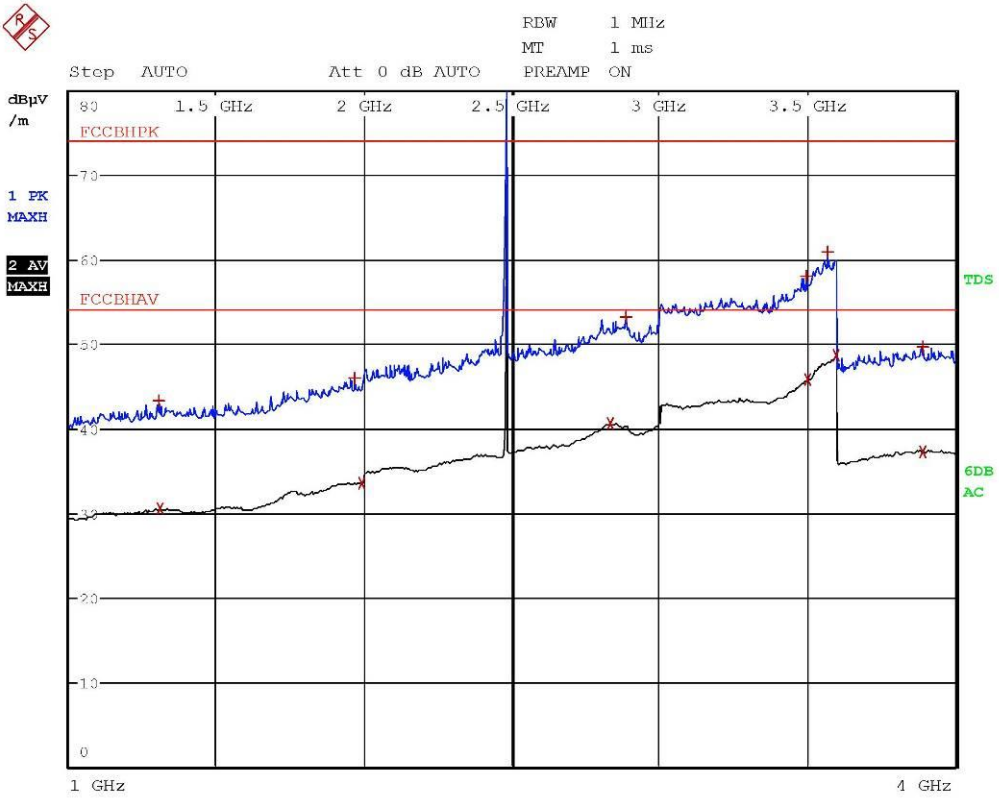
Segalla 17196910

EDIT PEAK LIST (Prescan Results)

Trace1:	FCCBHPK
Trace2:	FCCBHAV
Trace3:	---

TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
2 Average	1.3288 GHz	30.44	-23.53
1 Max Peak	1.4848 GHz	42.43	-31.54
1 Max Peak	1.958 GHz	45.06	-28.91
2 Average	1.9724 GHz	33.53	-20.44
1 Max Peak	2.8215 GHz	52.29	-21.68
2 Average	2.8527 GHz	40.58	-13.39
1 Max Peak	3.4951 GHz	58.12	-15.85
2 Average	3.4999 GHz	45.76	-8.21
2 Average	3.5963 GHz	48.32	-5.65
1 Max Peak	3.5983 GHz	59.76	-14.21
2 Average	3.8871 GHz	37.04	-16.93
1 Max Peak	3.8883 GHz	49.51	-24.46

Segalla 17196910



Segalla 17196911

EDIT PEAK LIST (Prescan Results)			
Trace1:	FCCBHPK		
Trace2:	FCCBHAV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
1 Max Peak	1.304 GHz	43.26	-30.71
2 Average	1.3052 GHz	30.56	-23.41
1 Max Peak	1.9672 GHz	45.95	-28.03
2 Average	1.9892 GHz	33.49	-20.48
2 Average	2.8323 GHz	40.59	-13.38
1 Max Peak	2.8863 GHz	53.18	-20.79
1 Max Peak	3.4931 GHz	57.99	-15.98
2 Average	3.4991 GHz	45.77	-8.20
1 Max Peak	3.5675 GHz	60.97	-13.00
2 Average	3.5987 GHz	48.59	-5.38
1 Max Peak	3.8875 GHz	49.71	-24.26
2 Average	3.8895 GHz	37.18	-16.79

Segalla 17196911