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. R17197701

Federal Communication Commission (FCC)

Test item

Description .....: WIDUP CAR-PARK OUTDOOR SENSOR
Trademark .....: CARLO GAVAZZI CONTROLS
Model/Type .....: SBPSMWBAT
FCC ID .....: SNJCPO

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.....: 84 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	--	N.A. (+)
Part 15.209	Emissions in restricted frequency bands and in unrestricted frequency bands	2	Complies
Part 15.247 (a) (2)	DTS bandwidth	3	Complies
Part 15.247 (d)	Band edge	4	Complies
Part 15.209 and 15.247	Fundamental emission output power	5	Complies
Part 15.209 and 15.247	Maximum power spectral density level in the fundamental emission	6	Complies
Part 15.209	Spurious emission	7	Complies

(+) Device which only employ battery supply

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	:	WIDUP CAR-PARK OUTDOOR SENSOR
Power supply	:	3,6 Vdc from battery
Software release tested into equipment		FW048S016 Engineering version for continuous transmission
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

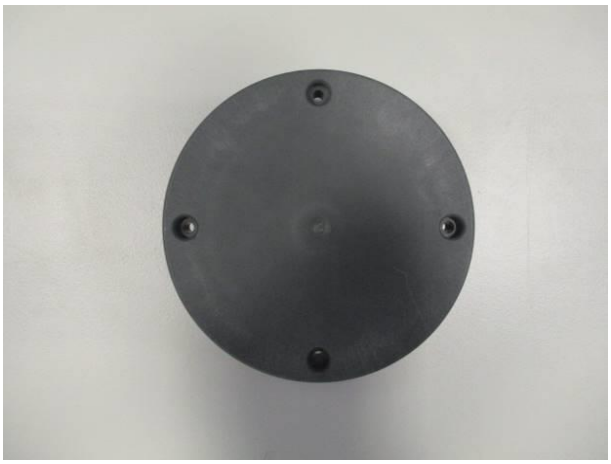
Date of receipt of test item	:	29.09.17
Testing start date	:	03.05.18
Testing end date	:	26.03.19
Samples tested nr.	:	3
		Kit #1 for tests on lowest channel
		Kit #2 for tests on medium channel
		Kit #3 for tests on highest channel
Sampling procedure.	:	Equipment used for testing was picked up by the manufacturer, at the end of the production process with random criterion
Internal identification	:	adhesive label with the product number P171126

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
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

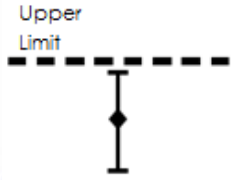
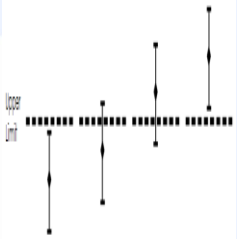
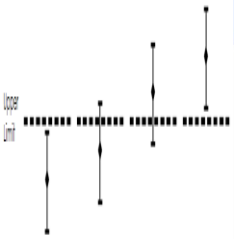
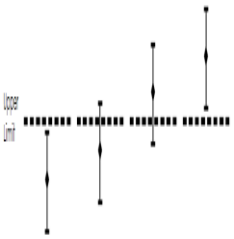
Test case does not apply to the test object	:	N.A.
Test item does meet the requirement	:	Complies
Test item does not meet the requirement	:	Does not comply
Test not performed	:	N.E.

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: May 3rd, 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*
Integral antenna	Not Present	1,5 dBi	--

Result: The requirements are met

11.2 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: May 3rd, 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

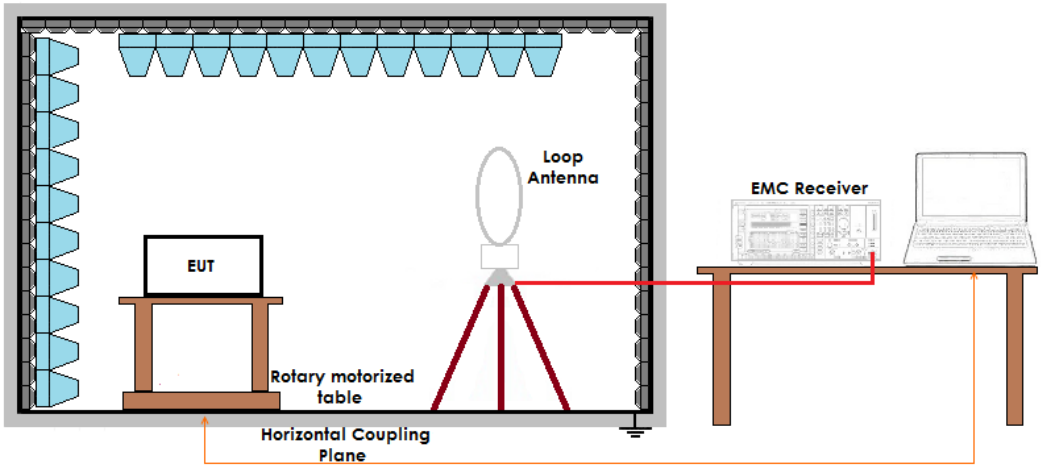
Acceptance limits

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

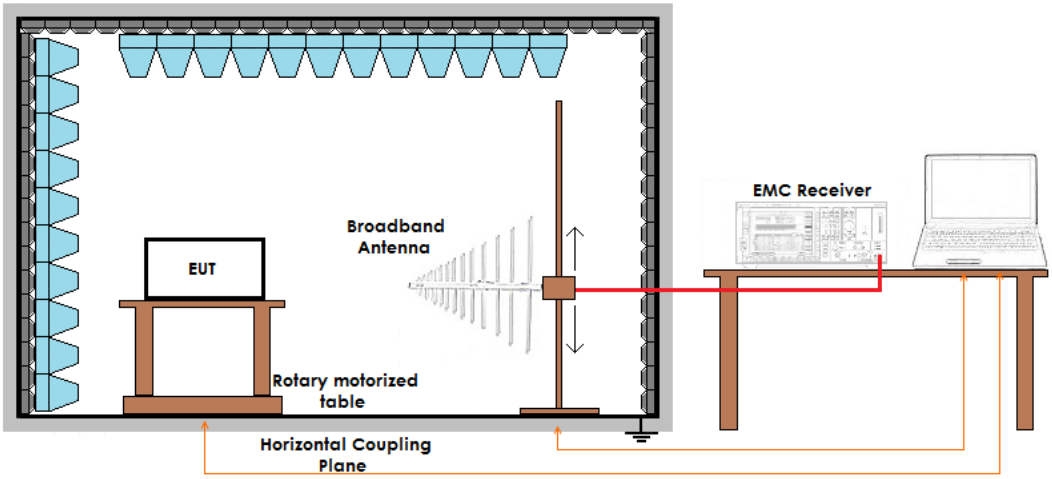
Remarks: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector. The results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

Setup

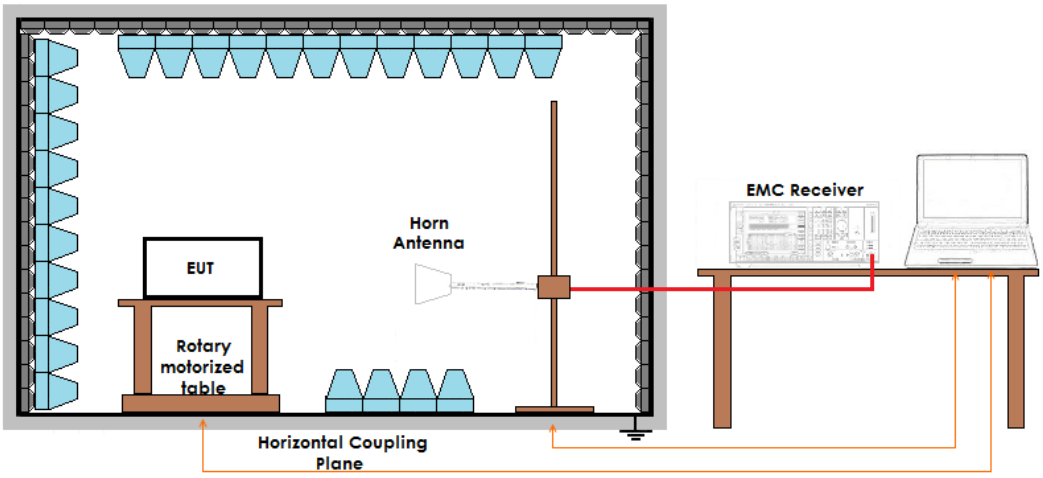
Frequency ≤ 30 MHz



Frequency ≤ 1 GHz



Frequency > 1 GHz



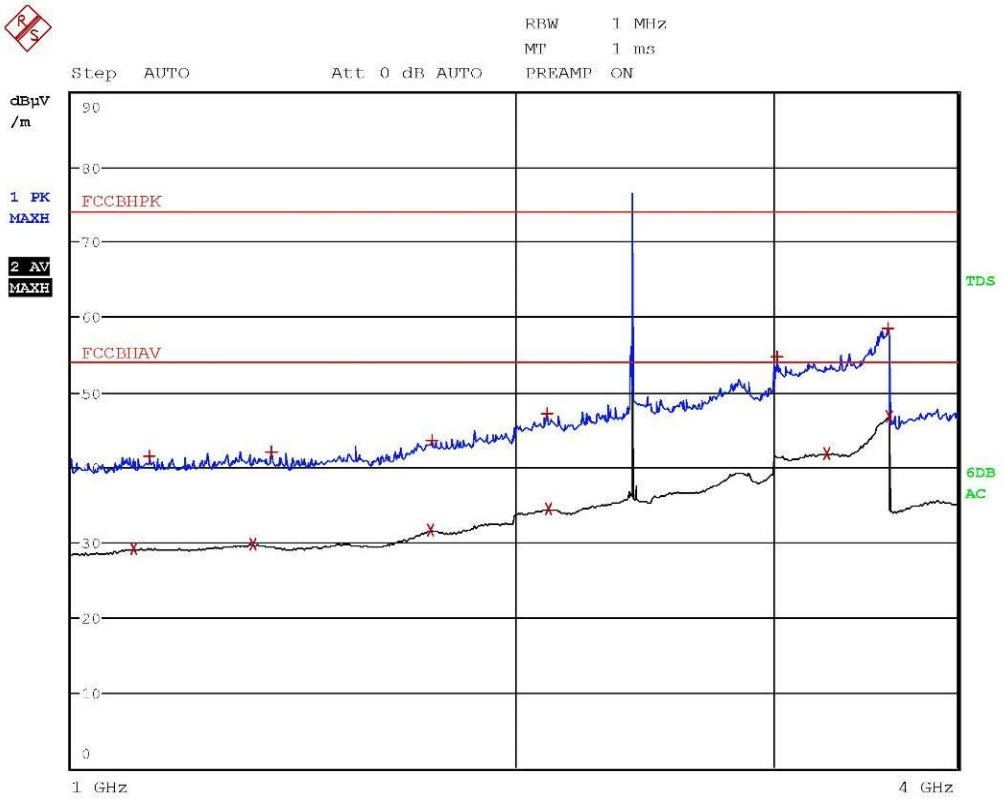
Result

Polarization	*Frequency Range (MHz)*	*Graphs*	*Remarks*	*Result*
V	1000 – 4000	G17197701	Lowest channel	Complies
H	1000 – 4000	G17197702	Lowest channel	Complies
H	1000 – 4000	G17197703	Medium channel	Complies
V	1000 – 4000	G17197704	Medium channel	Complies
V	1000 – 4000	G17197705	Highest channel	Complies
H	1000 – 4000	G17197706	Highest channel	Complies
V	4000 – 10000	G17197707	Lowest channel	Complies
H	4000 – 10000	G17197708	Lowest channel	Complies
H	4000 – 10000	G17197709	Medium channel	Complies
V	4000 – 10000	G17197710	Medium channel	Complies
H	4000 – 10000	G17197711	Highest channel	Complies
V	4000 – 10000	G17197712	Highest channel	Complies
H	10000 – 18000	G17197713	Worst case	Complies
V	10000 – 18000	G17197714	Worst case	Complies
V	18000 – 26000	G17197715	Worst case	Complies
H	18000 – 26000	G17197716	Worst case	Complies
H	30 – 300	G17197717	Worst case	Complies
V	30 – 300	G17197718	Worst case	Complies
V	300 – 1000	G17197719	Worst case	Complies
H	300 – 1000	G17197720	Worst case	Complies
Loop	0,009 – 30	G17197721	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 17197701

EDIT PEAK LIST (Prescan Results)			
Trace1:	FCCBHPK		
Trace2:	FCCBHAV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
2 Average	1.1032 GHz	29.28	-24.69
1 Max Peak	1.1284 GHz	41.46	-32.52
2 Average	1.3288 GHz	29.71	-24.26
1 Max Peak	1.3688 GHz	42.03	-31.94
2 Average	1.7556 GHz	31.69	-22.28
1 Max Peak	1.7576 GHz	43.59	-30.38
1 Max Peak	2.1024 GHz	47.16	-26.81
2 Average	2.1104 GHz	34.45	-19.52
1 Max Peak	3.0143 GHz	54.79	-19.18
2 Average	3.2567 GHz	41.86	-12.11
1 Max Peak	3.5903 GHz	58.60	-15.37
2 Average	3.5995 GHz	46.75	-7.22

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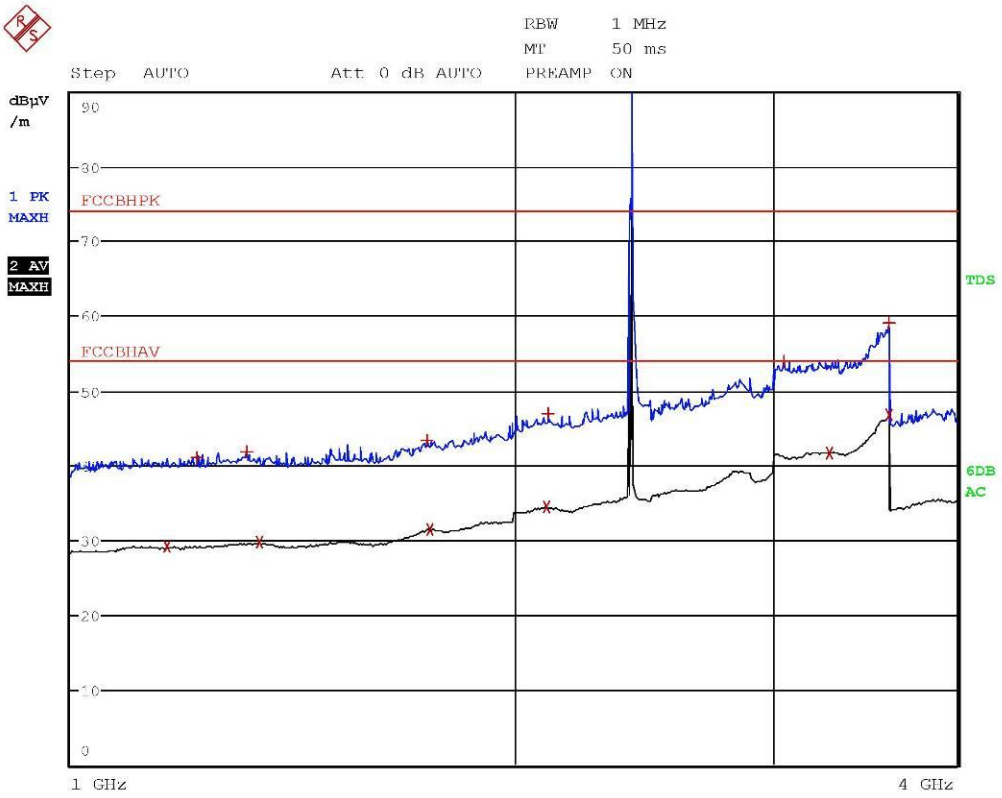

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EDIT PEAK LIST (Prescan Results)

Trace1:	FCCBHPK
Trace2:	FCCBHAV
Trace3:	---

TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
2 Average	1.162 GHz	29.28	-24.69
1 Max Peak	1.2172 GHz	41.17	-32.80
1 Max Peak	1.316 GHz	41.84	-32.13
2 Average	1.3428 GHz	29.78	-24.19
1 Max Peak	1.746 GHz	43.44	-30.53
2 Average	1.7524 GHz	31.52	-22.45
2 Average	2.1048 GHz	34.43	-19.54
1 Max Peak	2.1076 GHz	46.90	-27.07
1 Max Peak	3.0507 GHz	54.06	-19.91
2 Average	3.2739 GHz	41.78	-12.19
1 Max Peak	3.5911 GHz	59.14	-14.83
2 Average	3.5963 GHz	46.86	-7.11

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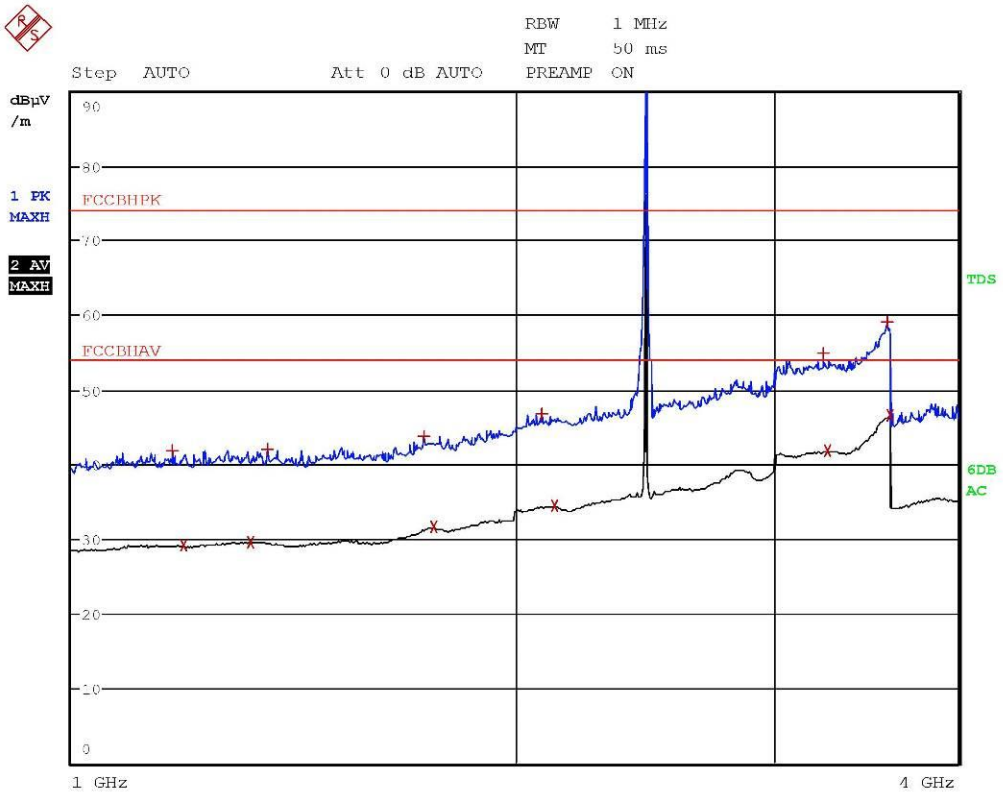

Segalla 17197703

EDIT PEAK LIST (Prescan Results)			
Trace1:	FCCBHPK		
Trace2:	FCCBHAV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
1 Max Peak	1.17 GHz	41.90	-32.07
2 Average	1.1904 GHz	29.19	-24.78
2 Average	1.3212 GHz	29.62	-24.35
1 Max Peak	1.3584 GHz	42.02	-31.95
1 Max Peak	1.7344 GHz	43.70	-30.27
2 Average	1.7632 GHz	31.59	-22.38
1 Max Peak	2.0872 GHz	46.82	-27.15
2 Average	2.126 GHz	34.42	-19.55
1 Max Peak	3.2371 GHz	54.85	-19.12
2 Average	3.2591 GHz	41.79	-12.18
1 Max Peak	3.5787 GHz	58.99	-14.98
2 Average	3.5947 GHz	46.66	-7.31

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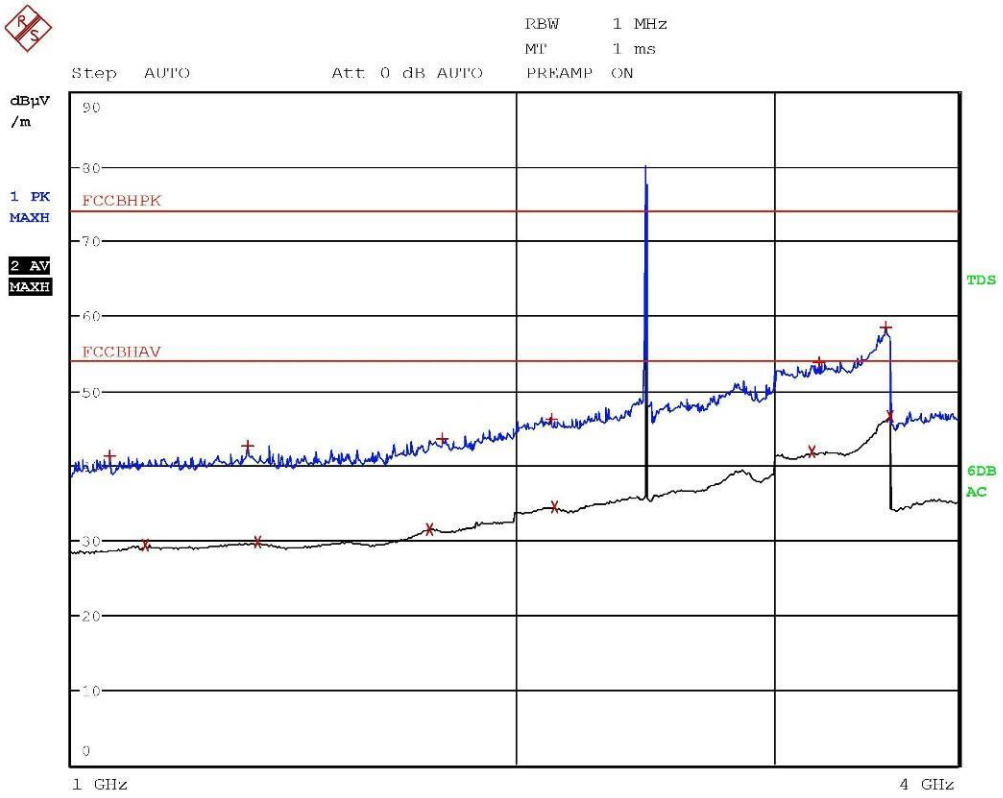


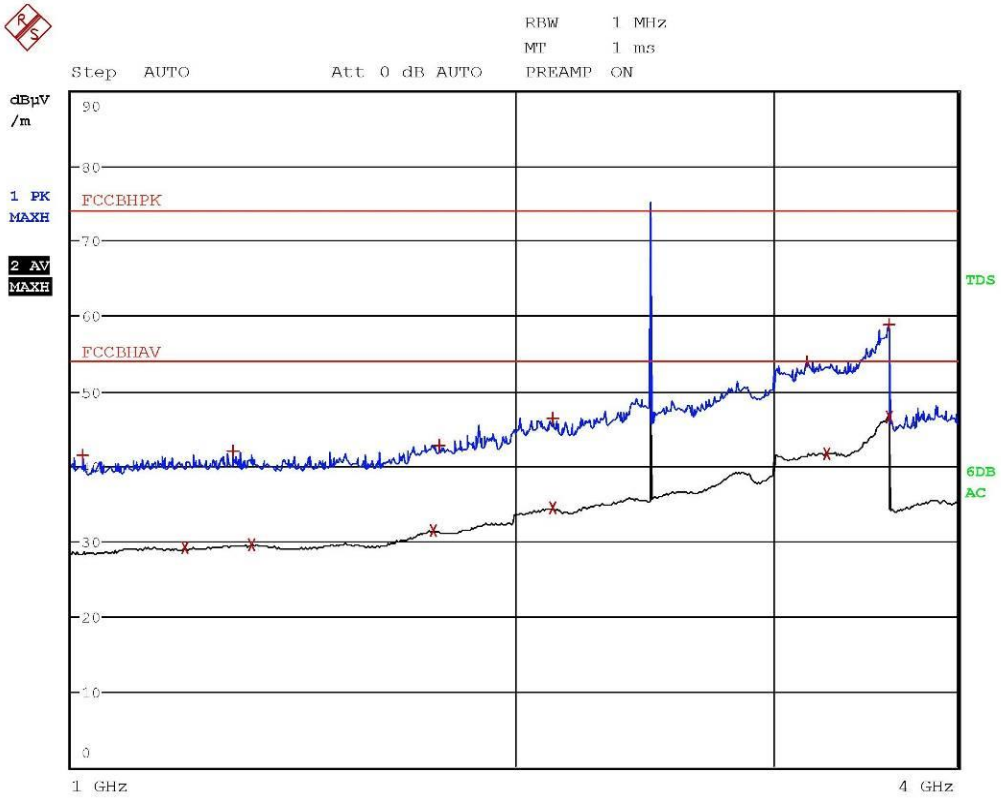
Segalla 17197704

EDIT PEAK LIST (Prescan Results)

Trace1:	FCCBHPK
Trace2:	FCCBHAV
Trace3:	---

TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
1 Max Peak	1.0604 GHz	41.26	-32.71
2 Average	1.1228 GHz	29.44	-24.53
1 Max Peak	1.318 GHz	42.63	-31.34
2 Average	1.3368 GHz	29.73	-24.24
2 Average	1.7516 GHz	31.47	-22.50
1 Max Peak	1.7856 GHz	43.61	-30.36
1 Max Peak	2.1204 GHz	46.16	-27.81
2 Average	2.1264 GHz	34.48	-19.49
2 Average	3.1819 GHz	41.84	-12.13
1 Max Peak	3.2155 GHz	53.76	-20.21
1 Max Peak	3.5727 GHz	58.49	-15.48
2 Average	3.5919 GHz	46.64	-7.33

Segalla 17197704



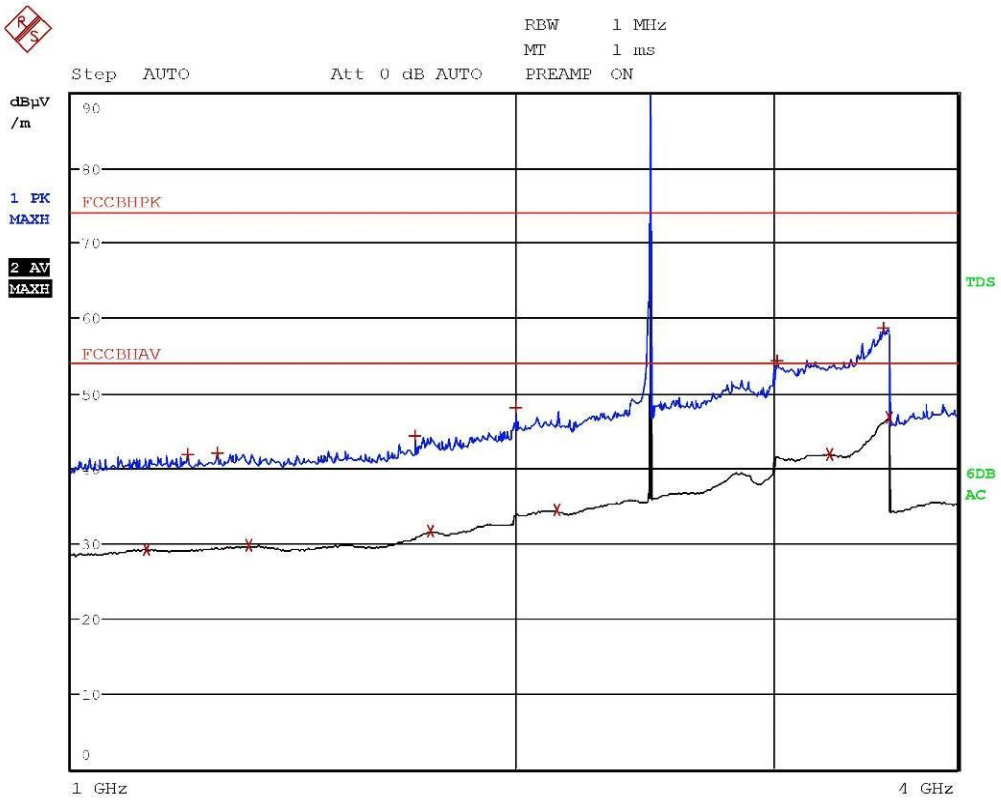
Segalla 17197705

EDIT PEAK LIST (Prescan Results)

Trace1:	FCCBHPK
Trace2:	FCCBHAV
Trace3:	---

TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
1 Max Peak	1.018 GHz	41.48	-32.49
2 Average	1.1932 GHz	29.18	-24.79
1 Max Peak	1.2864 GHz	42.00	-31.97
2 Average	1.3248 GHz	29.59	-24.38
2 Average	1.7604 GHz	31.47	-22.50
1 Max Peak	1.7756 GHz	42.87	-31.10
1 Max Peak	2.122 GHz	46.35	-27.62
2 Average	2.1232 GHz	34.44	-19.53
1 Max Peak	3.1615 GHz	53.96	-20.01
2 Average	3.2579 GHz	41.71	-12.26
1 Max Peak	3.5951 GHz	58.87	-15.10
2 Average	3.5999 GHz	46.59	-7.38

Segalla 17197705



Segalla 17197706

EDIT PEAK LIST (Prescan Results)			
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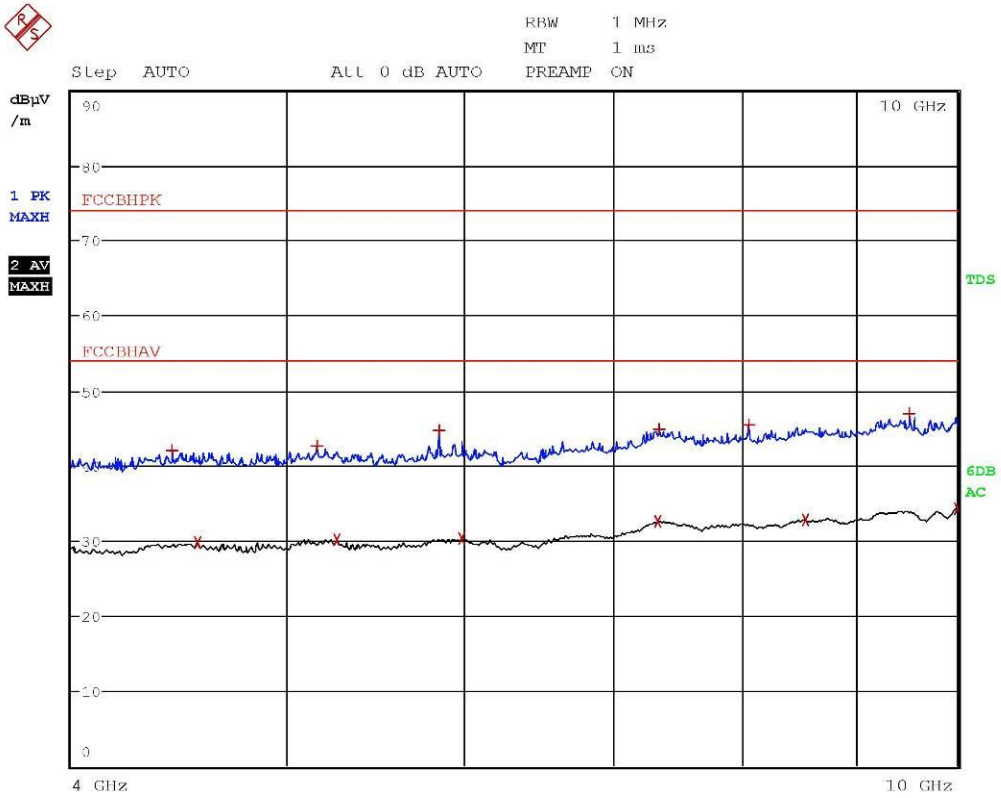
Trace2:	FCCBHAV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
2 Average	1.1252 GHz	29.27	-24.70
1 Max Peak	1.1992 GHz	41.88	-32.10
1 Max Peak	1.2572 GHz	42.07	-31.90
2 Average	1.3196 GHz	29.71	-24.26
1 Max Peak	1.7116 GHz	44.41	-29.56
2 Average	1.7524 GHz	31.61	-22.36
1 Max Peak	2.0048 GHz	48.20	-25.77
2 Average	2.136 GHz	34.44	-19.53
1 Max Peak	3.0171 GHz	54.42	-19.55
2 Average	3.2731 GHz	41.84	-12.13
1 Max Peak	3.5635 GHz	58.74	-15.23
2 Average	3.5991 GHz	46.89	-7.08

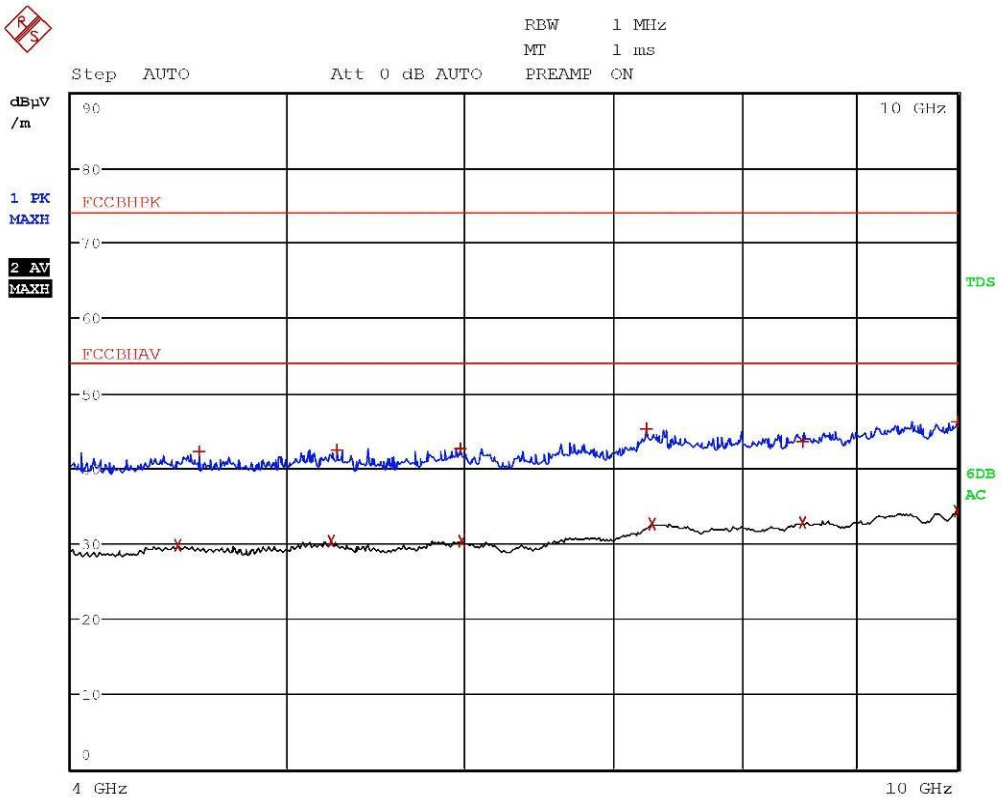
Segalla 17197706



Segalla 17197707

EDIT PEAK LIST (Prescan Results)			
Trace1:	FCCBHPK		
Trace2:	FCCBHAV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
1 Max Peak	4.4368 GHz	42.04	-31.93
2 Average	4.5552 GHz	29.70	-24.27
1 Max Peak	5.1596 GHz	42.61	-31.36
2 Average	5.2648 GHz	30.16	-23.81
1 Max Peak	5.852 GHz	44.69	-29.28
2 Average	5.9876 GHz	30.27	-23.70
2 Average	7.34 GHz	32.55	-21.42
1 Max Peak	7.3496 GHz	44.97	-29.00
1 Max Peak	8.0612 GHz	45.44	-28.53
2 Average	8.5516 GHz	32.77	-21.20
1 Max Peak	9.5088 GHz	47.02	-26.95
2 Average	9.9924 GHz	34.38	-19.59

Segalla 17197707



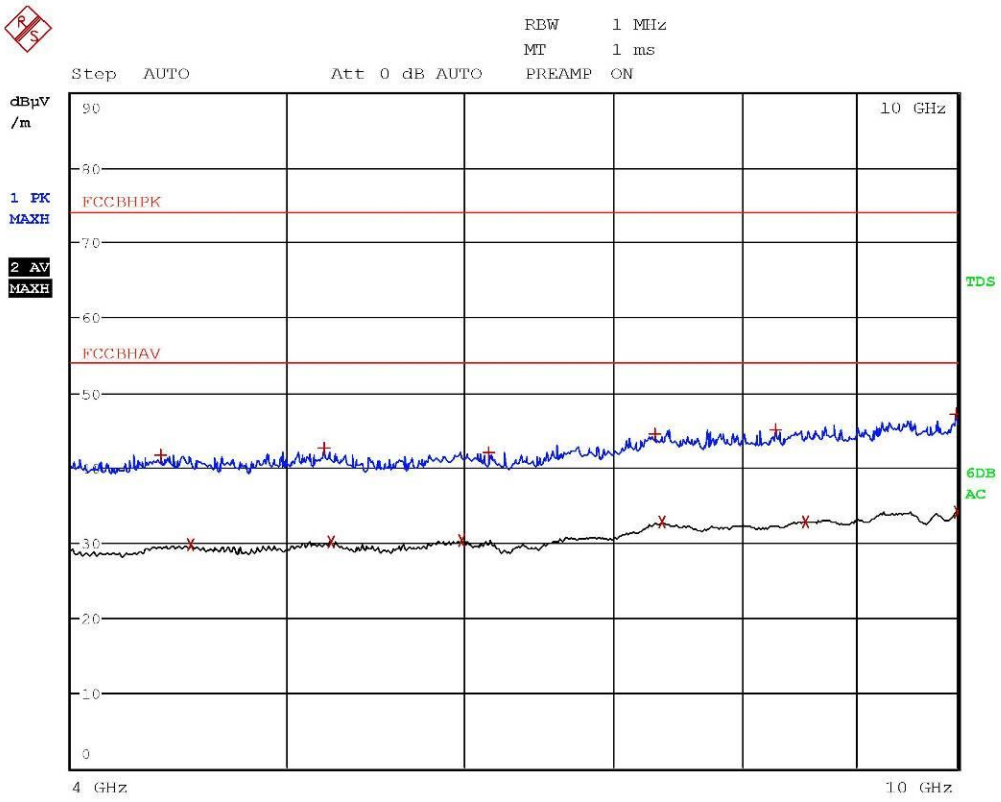
Segalla 17197708

EDIT PEAK LIST (Prescan Results)

Trace1:	FCCBHPK
Trace2:	FCCBHAV
Trace3:	---

TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
2 Average	4.4676 GHz	29.75	-24.22
1 Max Peak	4.5636 GHz	42.17	-31.80
2 Average	5.2308 GHz	30.25	-23.72
1 Max Peak	5.2612 GHz	42.49	-31.48
1 Max Peak	5.9832 GHz	42.61	-31.36
2 Average	5.9884 GHz	30.36	-23.61
1 Max Peak	7.248 GHz	45.19	-28.78
2 Average	7.2972 GHz	32.58	-21.40
2 Average	8.5188 GHz	32.72	-21.25
1 Max Peak	8.5228 GHz	43.50	-30.47
1 Max Peak	9.9952 GHz	46.31	-27.66
2 Average	9.9964 GHz	34.32	-19.65

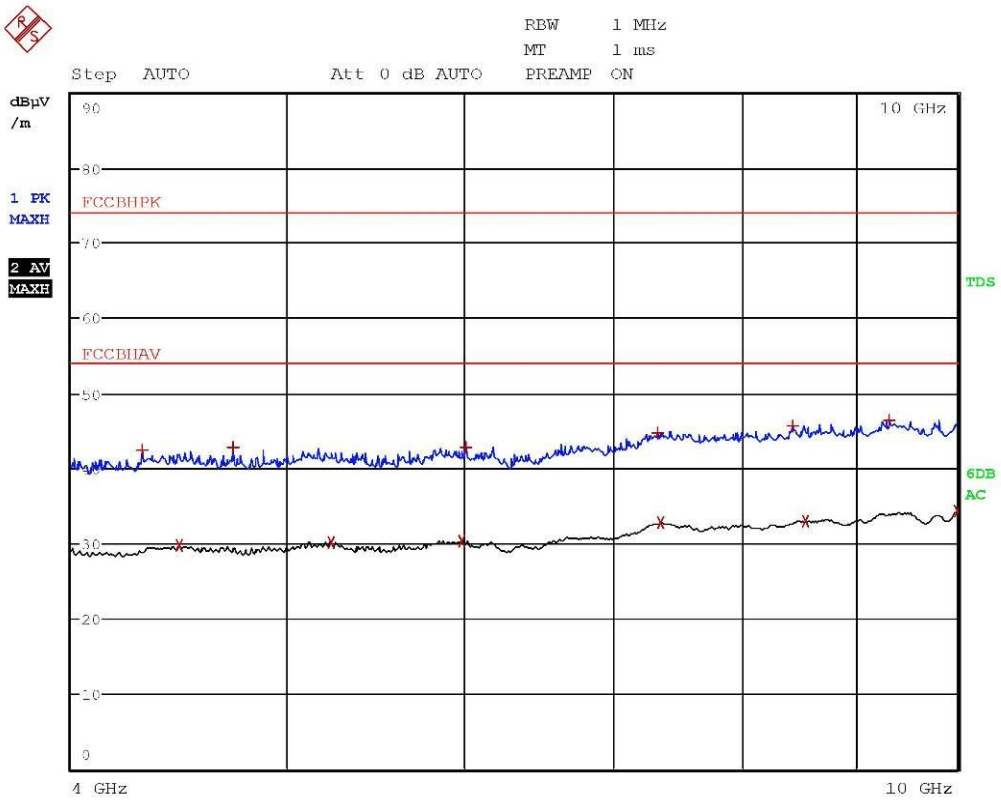
Segalla 17197708



Segalla 17197709

EDIT PEAK LIST (Prescan Results)			
Trace1:	FCCBHPK		
Trace2:	FCCBHAV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
1 Max Peak	4.3856 GHz	41.76	-32.21
2 Average	4.5252 GHz	29.71	-24.26
1 Max Peak	5.1924 GHz	42.65	-31.32
2 Average	5.2324 GHz	30.24	-23.74
2 Average	5.9892 GHz	30.28	-23.69
1 Max Peak	6.1628 GHz	42.09	-31.88
1 Max Peak	7.3164 GHz	44.47	-29.50
2 Average	7.3672 GHz	32.74	-21.23
1 Max Peak	8.284 GHz	45.12	-28.85
2 Average	8.5444 GHz	32.88	-21.09
1 Max Peak	9.984 GHz	47.19	-26.78
2 Average	9.9952 GHz	34.19	-19.78

Segalla 17197709



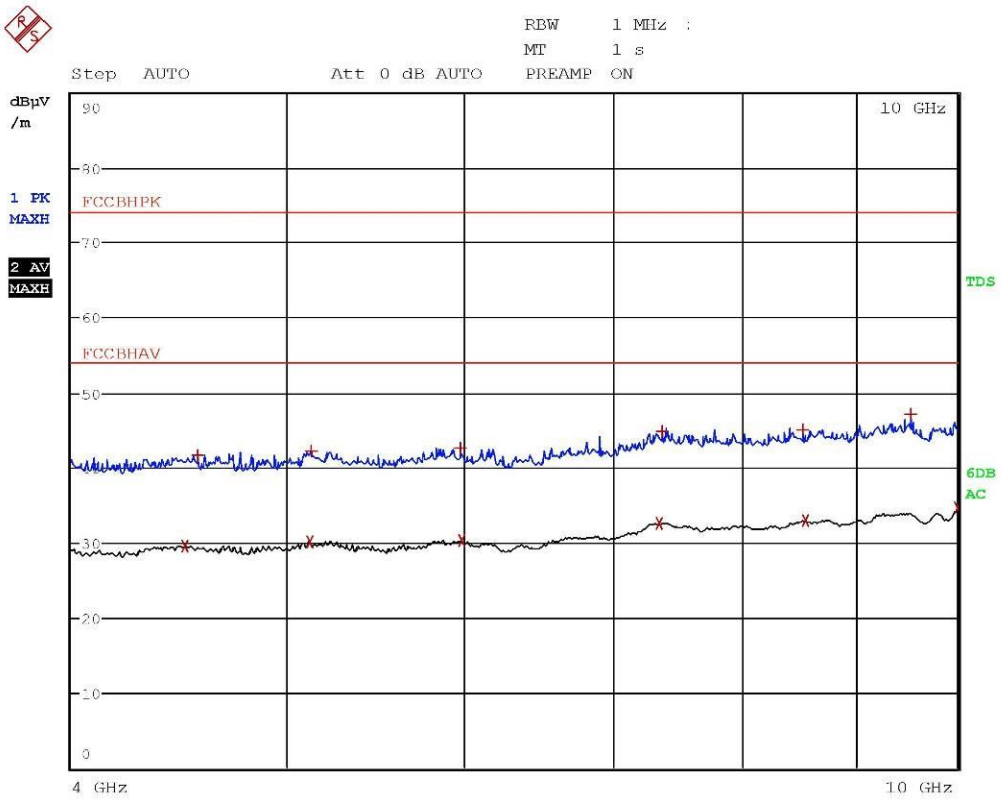
Segalla 17197710

EDIT PEAK LIST (Prescan Results)

Trace1:	FCCBHPK
Trace2:	FCCBHAV
Trace3:	---

TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
1 Max Peak	4.3068 GHz	42.45	-31.52
2 Average	4.4704 GHz	29.69	-24.28
1 Max Peak	4.7264 GHz	42.75	-31.22
2 Average	5.2344 GHz	30.22	-23.75
2 Average	5.9916 GHz	30.36	-23.61
1 Max Peak	6.0176 GHz	42.81	-31.16
1 Max Peak	7.34 GHz	44.78	-29.19
2 Average	7.3568 GHz	32.75	-21.22
1 Max Peak	8.434 GHz	45.67	-28.30
2 Average	8.5488 GHz	33.00	-20.97
1 Max Peak	9.3216 GHz	46.51	-27.47
2 Average	9.994 GHz	34.31	-19.66

Segalla 17197710



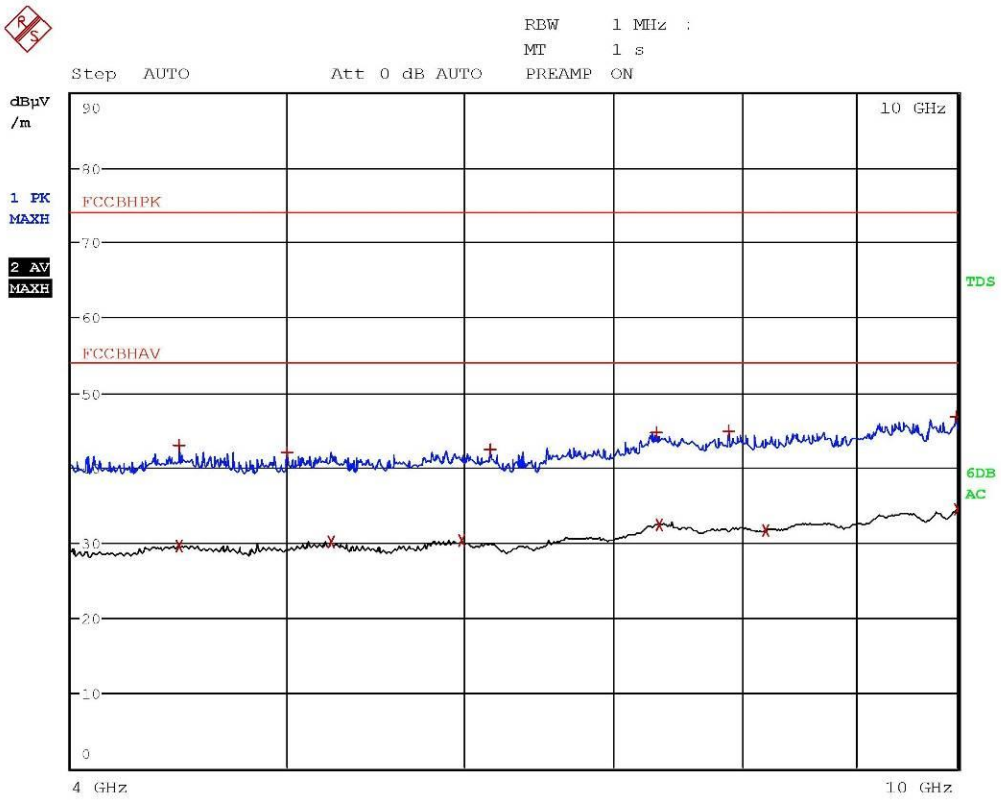
Segalla 17197711

EDIT PEAK LIST (Prescan Results)

Trace1:	FCCBHPK
Trace2:	FCCBHAV
Trace3:	---

TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
2 Average	4.4984 GHz	29.66	-24.31
1 Max Peak	4.5604 GHz	41.71	-32.26
2 Average	5.118 GHz	30.18	-23.79
1 Max Peak	5.1244 GHz	42.30	-31.67
1 Max Peak	5.9812 GHz	42.68	-31.29
2 Average	5.9892 GHz	30.43	-23.54
2 Average	7.344 GHz	32.68	-21.29
1 Max Peak	7.3636 GHz	44.94	-29.03
1 Max Peak	8.5244 GHz	45.11	-28.86
2 Average	8.5412 GHz	32.91	-21.06
1 Max Peak	9.5284 GHz	47.10	-26.87
2 Average	9.9924 GHz	34.62	-19.36

Segalla 17197711



Segalla 17197712

EDIT PEAK LIST (Prescan Results)

Trace1:	FCCBHPK
Trace2:	FCCBHAV
Trace3:	---

TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
2 Average	4.4688 GHz	29.64	-24.33
1 Max Peak	4.47 GHz	42.99	-30.98
1 Max Peak	4.998 GHz	42.08	-31.89
2 Average	5.2344 GHz	30.10	-23.87
2 Average	5.9876 GHz	30.29	-23.68
1 Max Peak	6.1708 GHz	42.50	-31.47
1 Max Peak	7.3288 GHz	44.77	-29.20
2 Average	7.3464 GHz	32.47	-21.50
1 Max Peak	7.8988 GHz	44.84	-29.13
2 Average	8.1988 GHz	31.69	-22.28
1 Max Peak	9.9848 GHz	46.77	-27.21
2 Average	9.9972 GHz	34.48	-19.49

Segalla 17197712

Segalla 17197713