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. R18025701

Federal Communication Commission (FCC)

Test item

Description ..... :	DIGITAL CONTROLLER WITH ADVANCED ENERGY SAVING MANAGEMENT AND BLUETOOTH CONNECTIVITY
Trademark ..... :	EMERSON
Model/Type ..... :	XR77CHC 16+16+7+5A 110V
FCC ID ..... :	ZG501XRCHC

Test Specification

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

Client's name ..... :	DIXELL S.r.l.
Address ..... :	Via dell'Industria, 27 – 32016 Alpago (BL) – ITALY
Manufacturer's name :	Same as client
Address ..... :	--

Report

Tested by ..... :	C. Panozzo	.....
Approved by ..... :	R. Beghetto – *Laboratory Manager*	.....
Date of issue ..... :	31.10.18	
Contents..... :	92 pages	

Index

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)

Power supply	:	120 V ~ 60 Hz single-phase + earth
Type of equipment	:	☑ Transmitter Unit
		☑ Receiver Unit
Type of station	:	☑ Fixed station
		❑ Portable station
		❑ Mobile station
Frequency band	:	2400 – 2483,5 MHz
Nominal frequencies	:	F_L: 2402 MHz F_M: 2439 MHz F_H: 2479 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	:	30.01.18
Testing start date	:	22.02.18
Testing end date	:	26.06.18
Samples tested nr.	:	1
		RF conducted tests (see cl. 10.4, 10.6 and 10.7 of this Test Report) have been performed directly on radio module;
		All other tests have been performed on full EUT
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 P180231

4. Operative conditions

EUT exercising ..... : EUT in continuous transmission at maximum power

Test configuration ..... : EUT classified as table top equipment

5. 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 S136	Schwarzbeck	VULB 9163	Broadband Antenna	9163-205	June '16	June '19
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 S206	Rohde & Schwarz	ESCI 7	EMC Receiver	100781	January '18	January '19
CMC S241	Schwarzbeck	BBV 9718	Broadband Preamplifer (0,5-18GHz)	9718-126	January '18	January '19
CMC S251	Schwarzbeck	BBV 9745	Broadband Preamplifer (9kHz - 2GHz)	9745-0019	September '17	September '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
CMC S290	Schwarzbeck	BBHA 9170	Horn Antenna (15-26,5 GHz)	9170-043	October '16	October '19
CMC S295	Rohde & Schwarz	FSW43	Spectrum Analyzer 43GHz	104059	November '16	November '19
CMC S298	RIGOL	DSG3060	RF Signal Generator (9kHz-6GHz)	DSG3A183600076	November '17	November '18
Coupler					Calibrated before the tests	

6. 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

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

7. 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 DTS Meas Guidance v04	Guidance for Performing Compliance Measurements on Digital Transmission Systems (DTS) Operating Under §15.247
Internal Procedure PM001 rev. 3.0 (Quality Manual)	Measure Procedure
Internal procedure INC_M rev. 9.0 (Quality Manual)	Measurement uncertainty calculation

8. Deviation from test specification

None

9. Test case verdicts

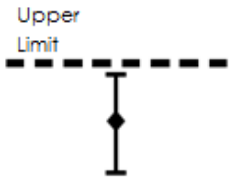
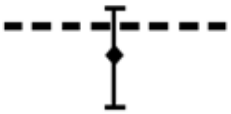
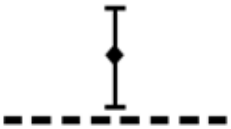
Test case does not apply to the test object	:	N.A.
Test item does meet the requirement	:	Complies
Test item does not meet the requirement	:	Does not comply
Test not performed	:	N.E.

10. 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.

10.1 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: February 22nd, 2018
- Technician: C. Panozzo

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 6 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

Result

Antenna Type	*External R.F. power amplifier*	*Gain*	*Remarks*	*Results*
Integrated antenna	Not Present	-1,3 dBi	--	Complies

Result: The requirements are met

10.2 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: June 26th, 2018
- Technician: C. Panozzo

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 6 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: 80 cm above the ground plane

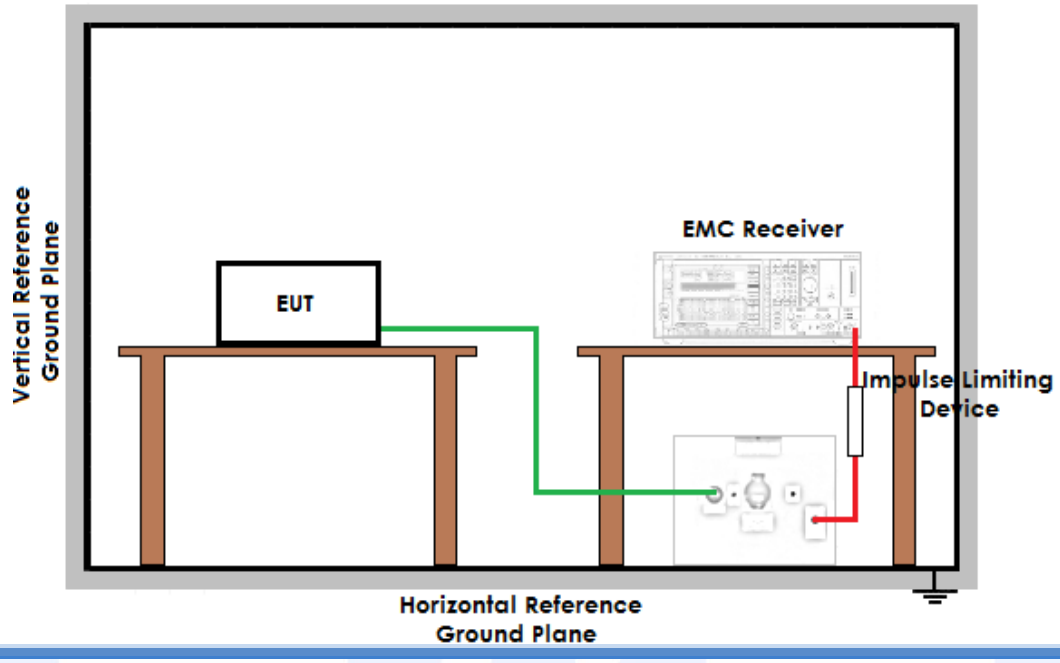
Environmental conditions

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

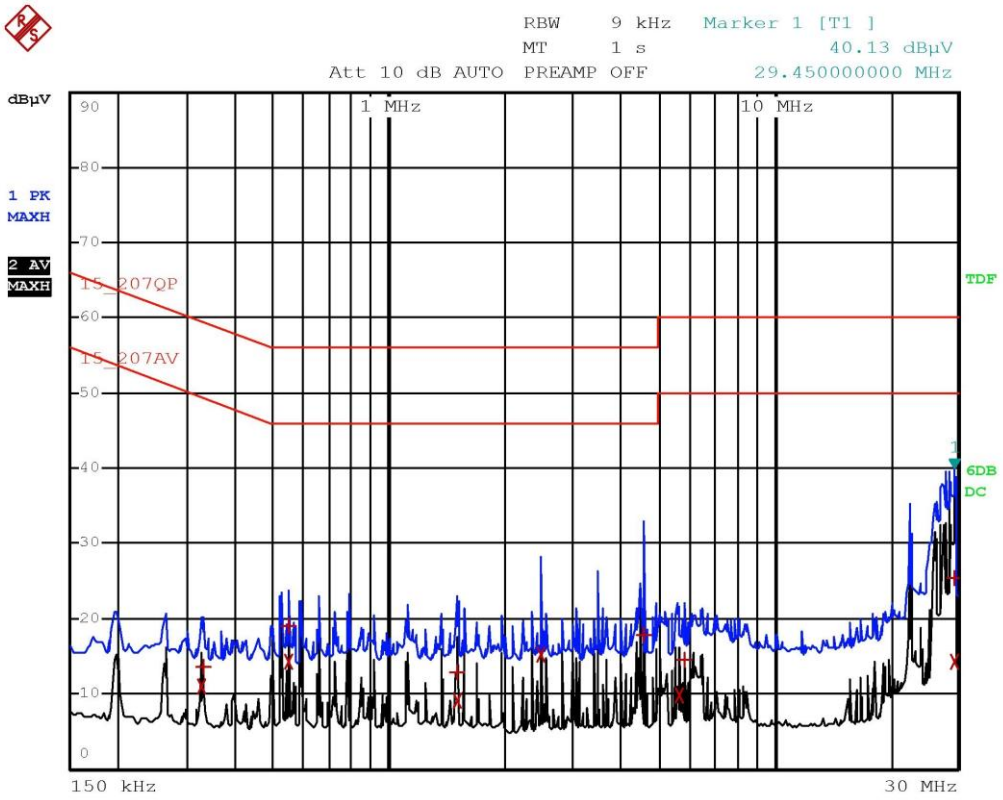


Result

Line	*Graphs*	*Remarks*	*Result*
N	G18025701	Lowest channel	Complies
L	G18025702	Lowest channel	Complies
L	G18025703	Medium channel	Complies
N	G18025704	Medium channel	Complies
N	G18025705	Highest channel	Complies
L	G18025706	Highest channel	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

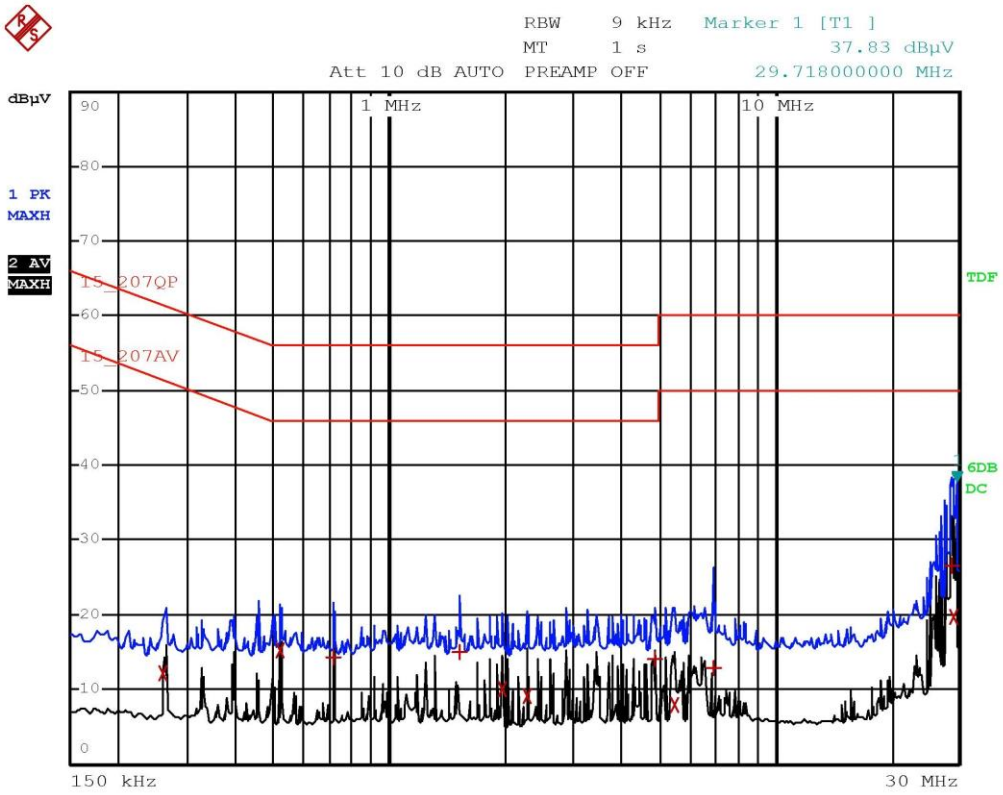
Graphs



Panozzo 18025701 Line N in funzione Ch42

EDIT PEAK LIST (Final Measurement Results)			
Trace1:	15_207QP		
Trace2:	15_207AV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBµV	DELTA LIMIT dB
2 Average	326 kHz	11.06	-38.48
1 Quasi Peak	330 kHz	13.68	-45.76
1 Quasi Peak	546 kHz	19.08	-36.91
2 Average	546 kHz	14.31	-31.68
1 Quasi Peak	1.506 MHz	12.82	-43.17
2 Average	1.506 MHz	9.10	-36.89
2 Average	2.486 MHz	15.19	-30.80
1 Quasi Peak	4.578 MHz	17.80	-38.19
2 Average	5.694 MHz	9.71	-40.28
1 Quasi Peak	5.882 MHz	14.61	-45.39
2 Average	29.446 MHz	14.40	-35.60
1 Quasi Peak	29.45 MHz	25.35	-34.64

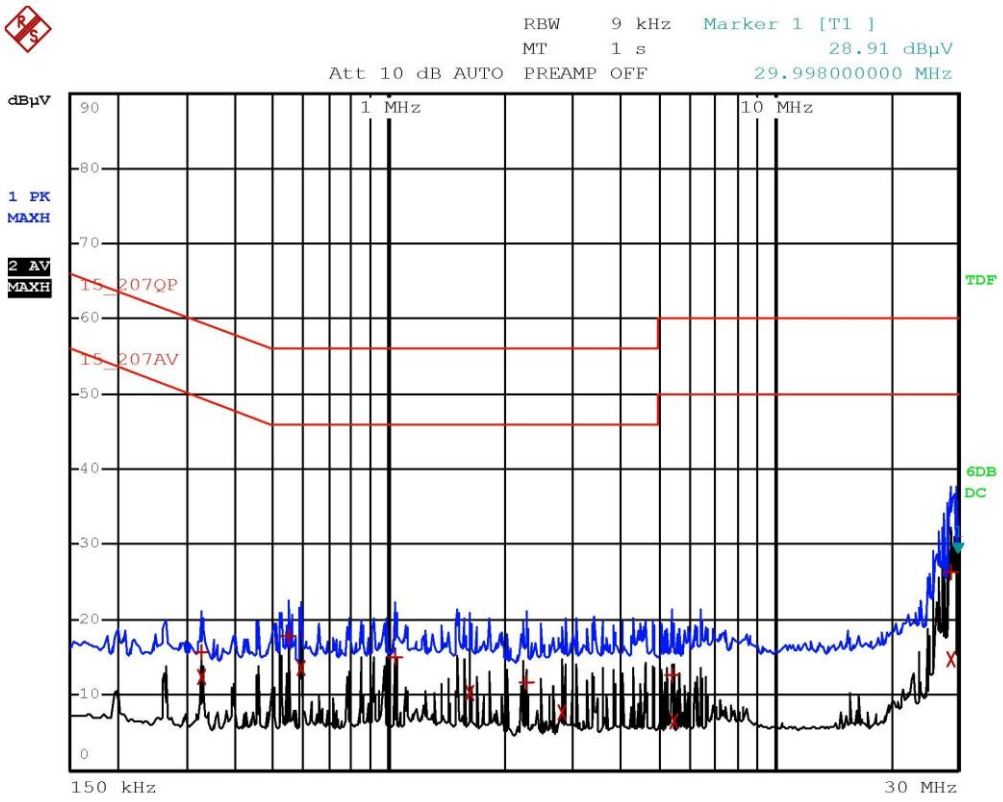
Panozzo 18025701 Line N in funzione



Panozzo 18025702 Line L in funzione Ch42

EDIT PEAK LIST (Final Measurement Results)			
Trace1:	15_207QP		
Trace2:	15_207AV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBµV	DELTA LIMIT dB
2 Average	262 kHz	12.17	-39.19
2 Average	522 kHz	15.13	-30.86
1 Quasi Peak	718 kHz	14.20	-41.79
1 Quasi Peak	1.526 MHz	14.94	-41.05
2 Average	1.962 MHz	10.07	-35.92
2 Average	2.29 MHz	9.05	-36.94
1 Quasi Peak	4.906 MHz	14.04	-41.95
2 Average	5.494 MHz	8.02	-41.97
1 Quasi Peak	6.934 MHz	12.93	-47.06
1 Quasi Peak	28.834 MHz	26.56	-33.43
2 Average	29.122 MHz	19.63	-30.36

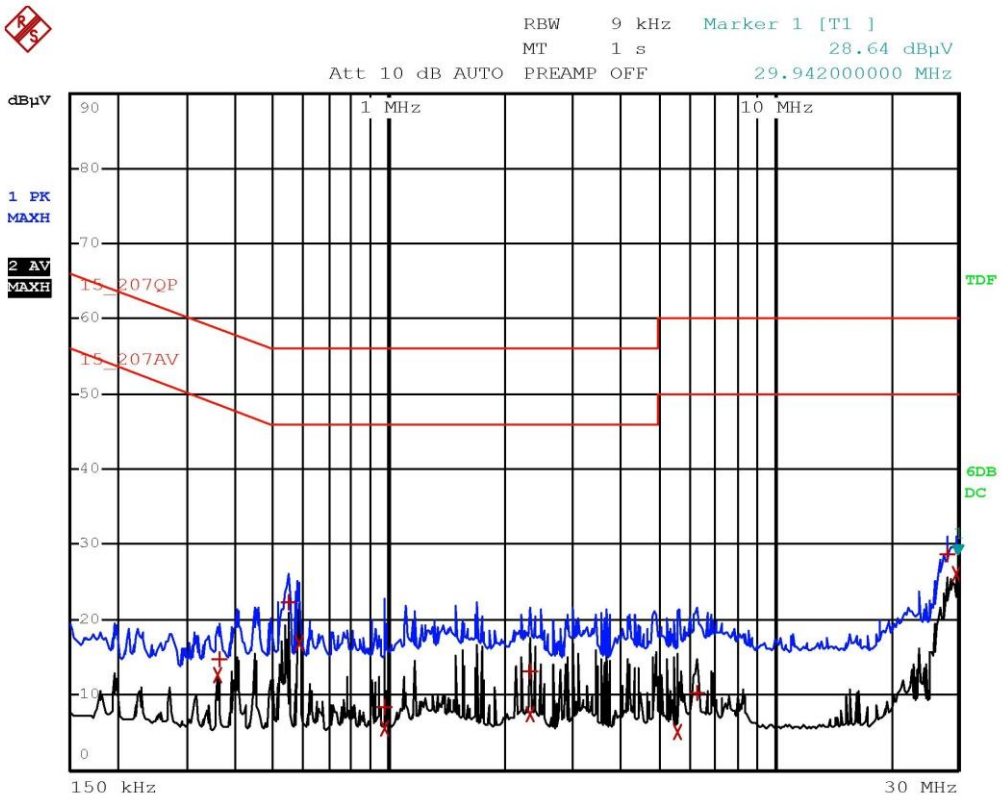
Panozzo 18025702 Line L in funzione



Panozzo 18025703 Line L in funzione Ch61

EDIT PEAK LIST (Final Measurement Results)			
Trace1:	15_207QP		
Trace2:	15_207AV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBµV	DELTA LIMIT dB
1 Quasi Peak	326 kHz	15.81	-43.73
2 Average	326 kHz	12.30	-37.24
1 Quasi Peak	546 kHz	17.88	-38.11
2 Average	590 kHz	13.47	-32.52
1 Quasi Peak	1.042 MHz	14.90	-41.10
2 Average	1.63 MHz	10.25	-35.74
1 Quasi Peak	2.29 MHz	11.64	-44.35
2 Average	2.81 MHz	7.66	-38.33
1 Quasi Peak	5.422 MHz	12.64	-47.35
2 Average	5.49 MHz	6.37	-43.62
1 Quasi Peak	28.826 MHz	26.42	-33.57
2 Average	28.826 MHz	14.77	-35.22

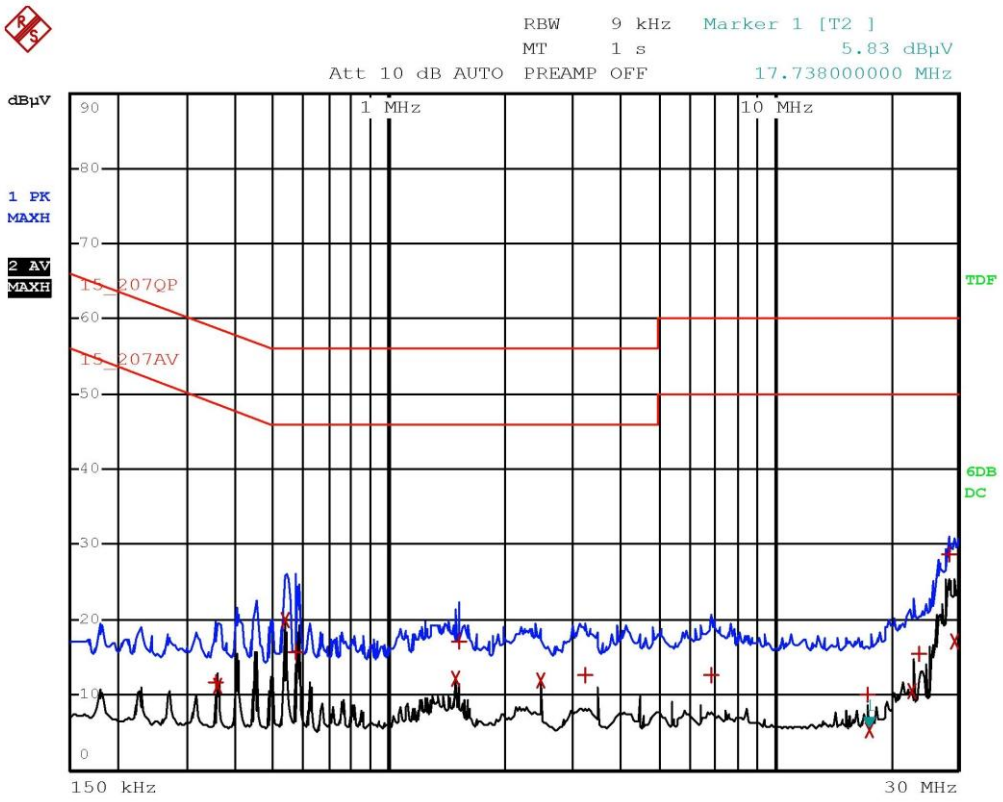
Panozzo 18025703 Line L in funzione



Panozzo 18025704 Line N in funzione Ch61

EDIT PEAK LIST (Final Measurement Results)			
Trace1:	15_207QP		
Trace2:	15_207AV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBµV	DELTA LIMIT dB
2 Average	358 kHz	12.71	-36.06
1 Quasi Peak	362 kHz	14.77	-43.91
1 Quasi Peak	550 kHz	22.40	-33.59
2 Average	586 kHz	16.98	-29.01
1 Quasi Peak	978 kHz	8.49	-47.50
2 Average	978 kHz	5.48	-40.51
1 Quasi Peak	2.334 MHz	13.10	-42.90
2 Average	2.334 MHz	7.52	-38.47
2 Average	5.598 MHz	5.12	-44.87
1 Quasi Peak	6.29 MHz	10.33	-49.66
1 Quasi Peak	28.166 MHz	28.68	-31.31
2 Average	29.646 MHz	26.05	-23.94

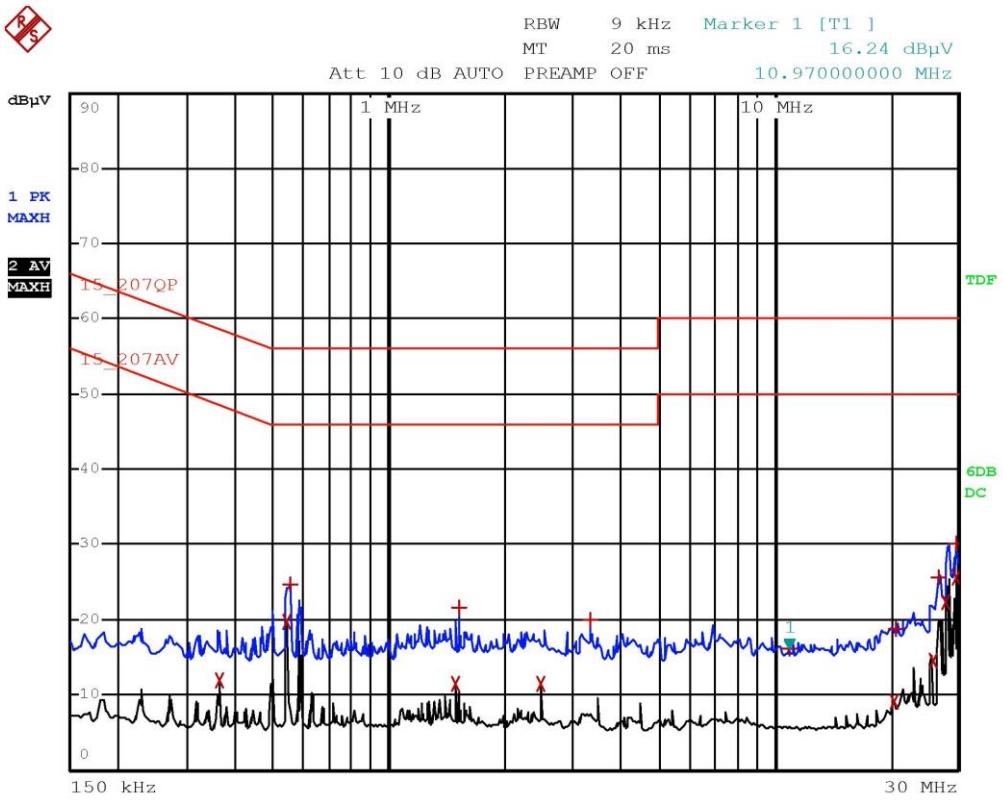
Panozzo 18025704 Line N in funzione



Panozzo 18025705 Line N in funzione Ch81

EDIT PEAK LIST (Final Measurement Results)			
Trace1:	15_207QP		
Trace2:	15_207AV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBµV	DELTA LIMIT dB
1 Quasi Peak	354 kHz	11.80	-47.06
2 Average	358 kHz	11.23	-37.53
2 Average	538 kHz	19.94	-26.06
1 Quasi Peak	574 kHz	15.66	-40.33
2 Average	1.49 MHz	12.07	-33.92
1 Quasi Peak	1.526 MHz	17.17	-38.82
2 Average	2.486 MHz	11.88	-34.12
1 Quasi Peak	3.25 MHz	12.63	-43.36
1 Quasi Peak	6.894 MHz	12.69	-47.30
1 Quasi Peak	17.562 MHz	9.96	-50.03
2 Average	17.738 MHz	5.20	-44.79
2 Average	22.886 MHz	10.39	-39.60
1 Quasi Peak	23.722 MHz	15.35	-44.64
1 Quasi Peak	28.466 MHz	28.73	-31.26
2 Average	29.346 MHz	17.20	-32.79

Panozzo 18025705 Line N in funzione



Panozzo 18025706 Line L in funzione Ch81

EDIT PEAK LIST (Prescan Results)			
Trace1:	15_207QP		
Trace2:	15_207AV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBµV	DELTA LIMIT dB
2 Average	362 kHz	11.83	-36.84
2 Average	542 kHz	19.77	-26.22
1 Max Peak	554 kHz	24.58	-31.41
2 Average	1.49 MHz	11.40	-34.59
1 Max Peak	1.53 MHz	21.60	-34.39
2 Average	2.486 MHz	11.40	-34.59
1 Max Peak	3.35 MHz	20.06	-35.93
1 Max Peak	10.97 MHz	16.23	-43.76
2 Average	20.382 MHz	9.01	-40.98
1 Max Peak	20.79 MHz	18.74	-41.25
2 Average	25.794 MHz	14.47	-35.52
1 Max Peak	26.69 MHz	25.53	-34.46
2 Average	27.878 MHz	22.40	-27.59
1 Max Peak	29.646 MHz	30.07	-29.92
2 Average	29.65 MHz	25.59	-24.40

Panozzo 18025706 Line L in funzione

Result: The requirements are met

10.3 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 v04 cl. 11 and 12
- ANSI C63.10 cl. 6.4, 6.5 and 6.6
- Internal procedure PM001
- See clause 4 of this test report
- Test date: May 31st, 2018
- Technician: C. Panozzo

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 S164, CMC S241, CMC S251, CMC S290, CMC S298
Measurement uncertainty: See clause 6 of this test report

Test specification

Port: Enclosure
Frequency range: 30 – 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

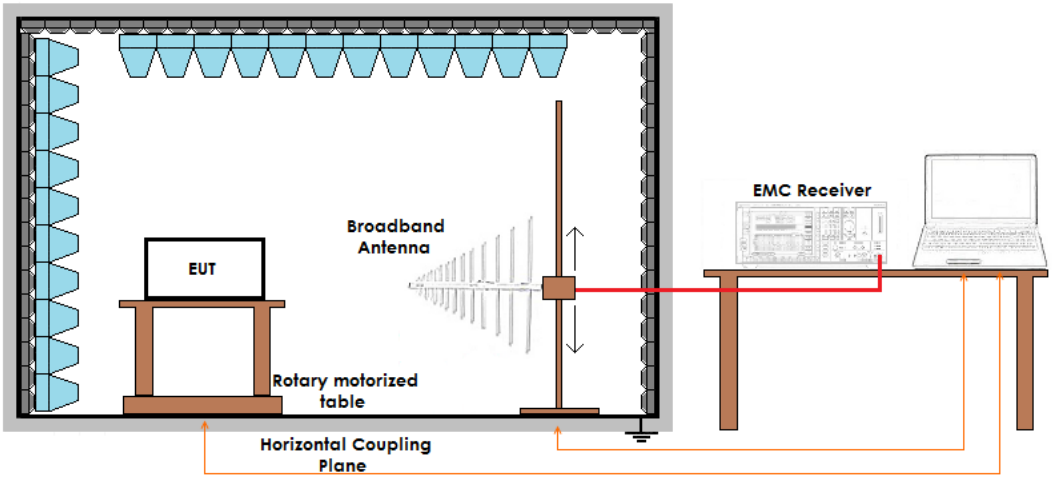
Acceptance limits

Frequency range (MHz)	*Test distance (m)*	*Limits [dB(µV/m)]*	
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

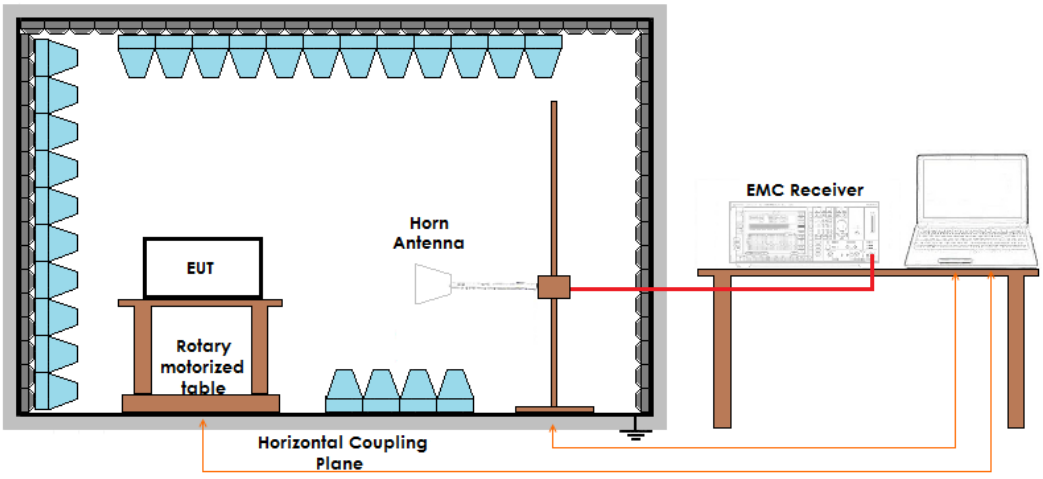
Remarks: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

Setup

Frequency ≤ 1 GHz



Frequency > 1 GHz



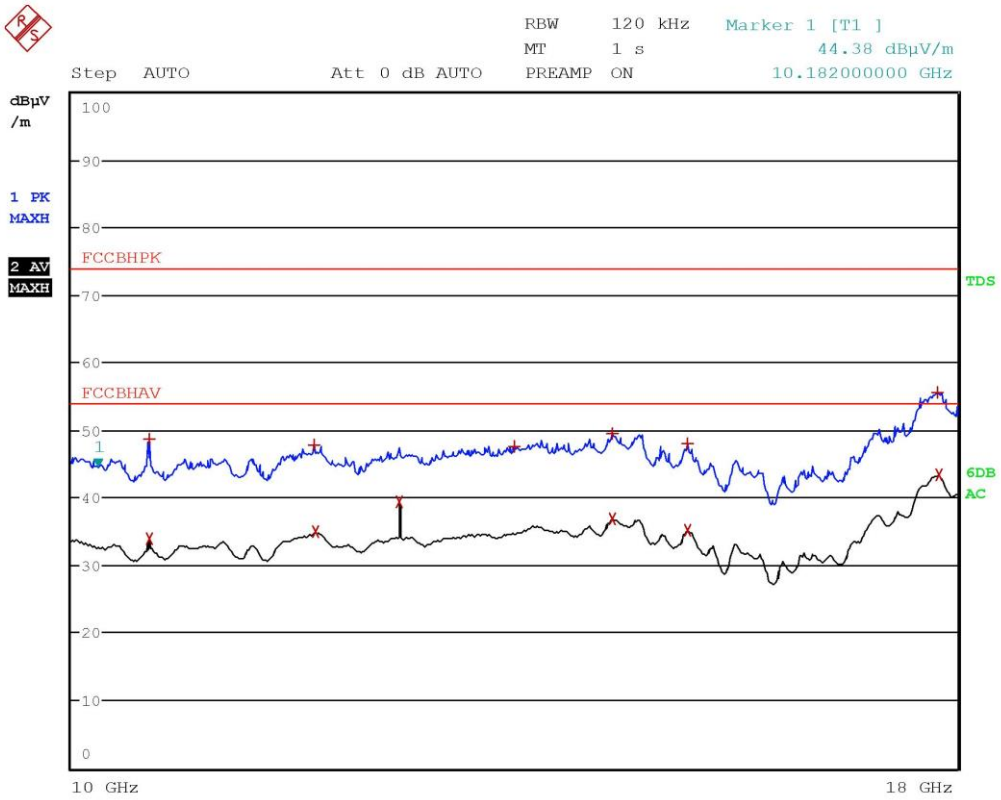
Result

Polarization	*Frequency Range (MHz)*	*Graphs*	*Remarks*	*Result*
V	10000 – 18000	G18025719	Worst case	Complies
H	10000 – 18000	G18025720	Worst case	Complies
H	18000 – 26000	G18025721	Worst case	Complies
V	18000 – 26000	G18025722	Worst case	Complies
V	30 – 300	G18025723	Worst case	Complies
H	30 – 300	G18025724	Worst case	Complies
H	300 – 1000	G18025725	Worst case	Complies
V	300 – 1000	G18025726	Worst case	Complies
V	1000 – 4000	G18025728	Lowest channel	Complies
H	1000 – 4000	G18025729	Lowest channel	Complies
H	1000 – 4000	G18025730	Medium channel	Complies
V	1000 – 4000	G18025731	Medium channel	Complies
V	1000 – 4000	G18025732	Highest channel	Complies
H	1000 – 4000	G18025733	Highest channel	Complies
H	4000 – 10000	G18025738	Lowest channel	Complies
V	4000 – 10000	G18025739	Lowest channel	Complies
H	4000 – 10000	G18025744	Medium channel	Complies
V	4000 – 10000	G18025745	Medium channel	Complies
V	4000 – 10000	G18025746	Highest channel	Complies
H	4000 – 10000	G18025747	Highest channel	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 different conversion factors, 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



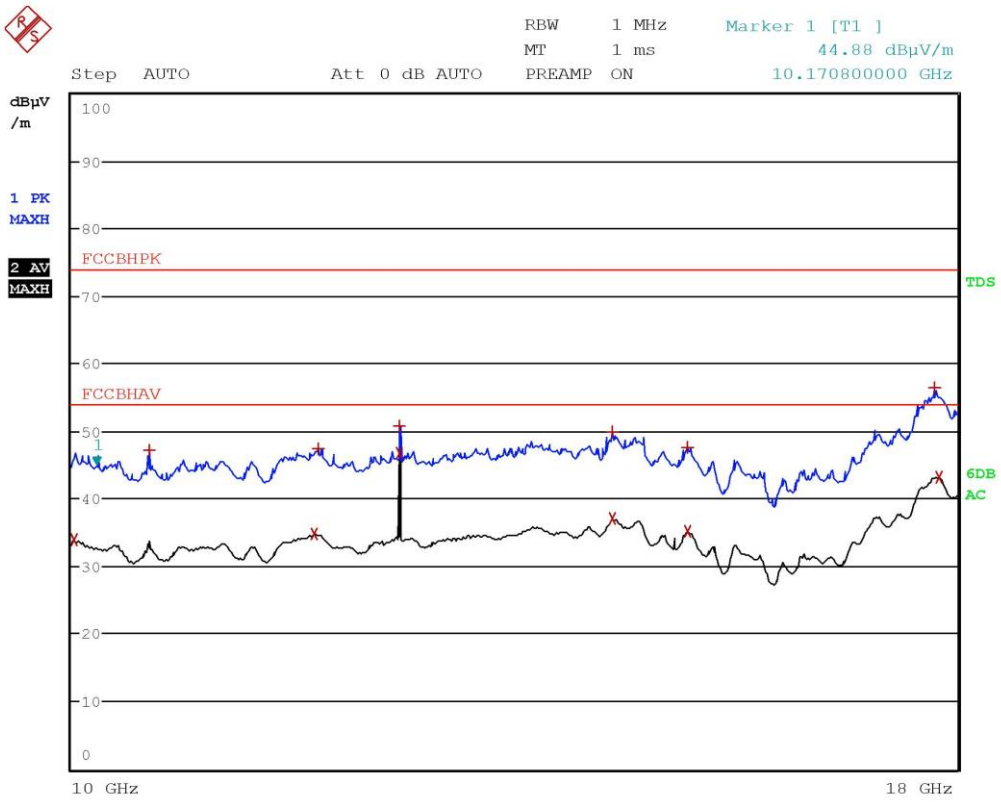
Panozzo 18025719 Vert. In funzione Worst case

EDIT PEAK LIST (Prescan Results)

Trace1:	FCCBHPK
Trace2:	FCCBHAV
Trace3:	---

TRACE		FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
1	Max Peak	10.5264 GHz	48.57	-25.40
2	Average	10.5264 GHz	34.02	-19.96
1	Max Peak	11.7524 GHz	47.81	-26.16
2	Average	11.7544 GHz	34.88	-19.09
2	Average	12.436 GHz	39.39	-14.59
1	Max Peak	13.4104 GHz	47.66	-26.31
1	Max Peak	14.314 GHz	49.48	-24.49
2	Average	14.3164 GHz	36.84	-17.14
1	Max Peak	15.0524 GHz	47.96	-26.01
2	Average	15.0544 GHz	35.19	-18.78
1	Max Peak	17.7612 GHz	55.51	-18.46
2	Average	17.784 GHz	43.32	-10.66

Panozzo 18025719 Vert. In funzione Worst case



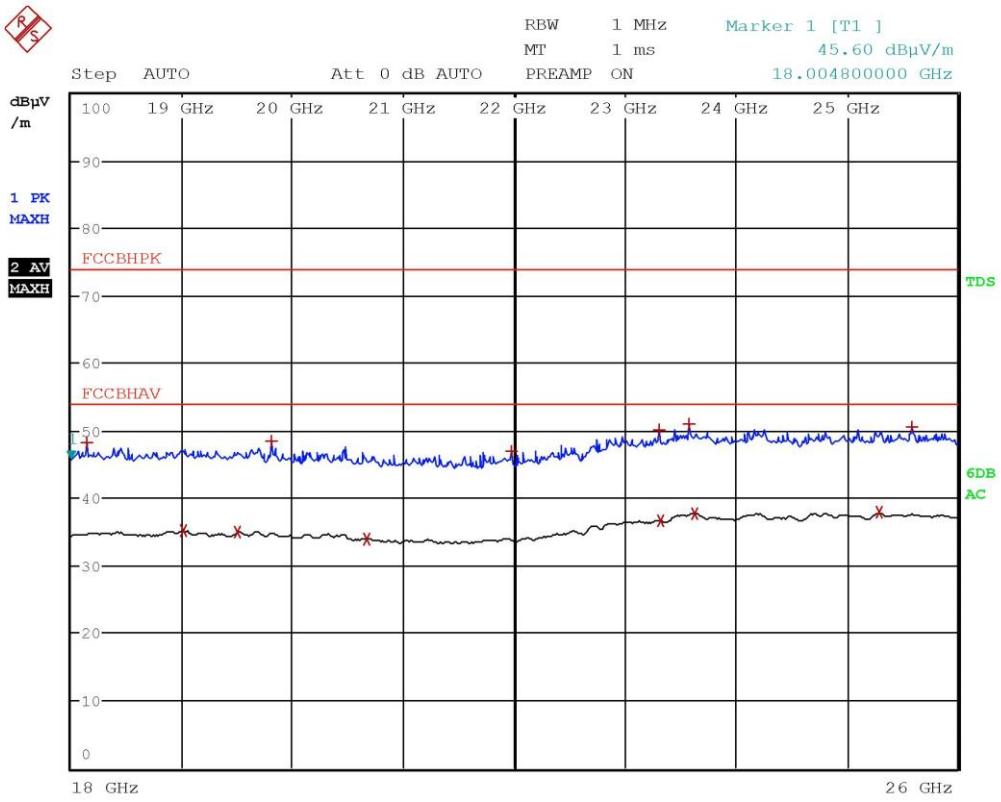
Panozzo 18025720 Horiz. In funzione Worst case

EDIT PEAK LIST (Prescan Results)

Trace1:	FCCBHPK
Trace2:	FCCBHAV
Trace3:	---

TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
2 Average	10.0168 GHz	33.84	-20.13
1 Max Peak	10.5264 GHz	47.26	-26.71
2 Average	11.7516 GHz	34.76	-19.21
1 Max Peak	11.784 GHz	47.47	-26.50
1 Max Peak	12.436 GHz	50.73	-23.24
2 Average	12.436 GHz	46.83	-7.14
1 Max Peak	14.3156 GHz	49.95	-24.02
2 Average	14.3184 GHz	37.00	-16.97
2 Average	15.0472 GHz	35.14	-18.83
1 Max Peak	15.0488 GHz	47.53	-26.44
1 Max Peak	17.7268 GHz	56.32	-17.65
2 Average	17.7804 GHz	43.15	-10.82

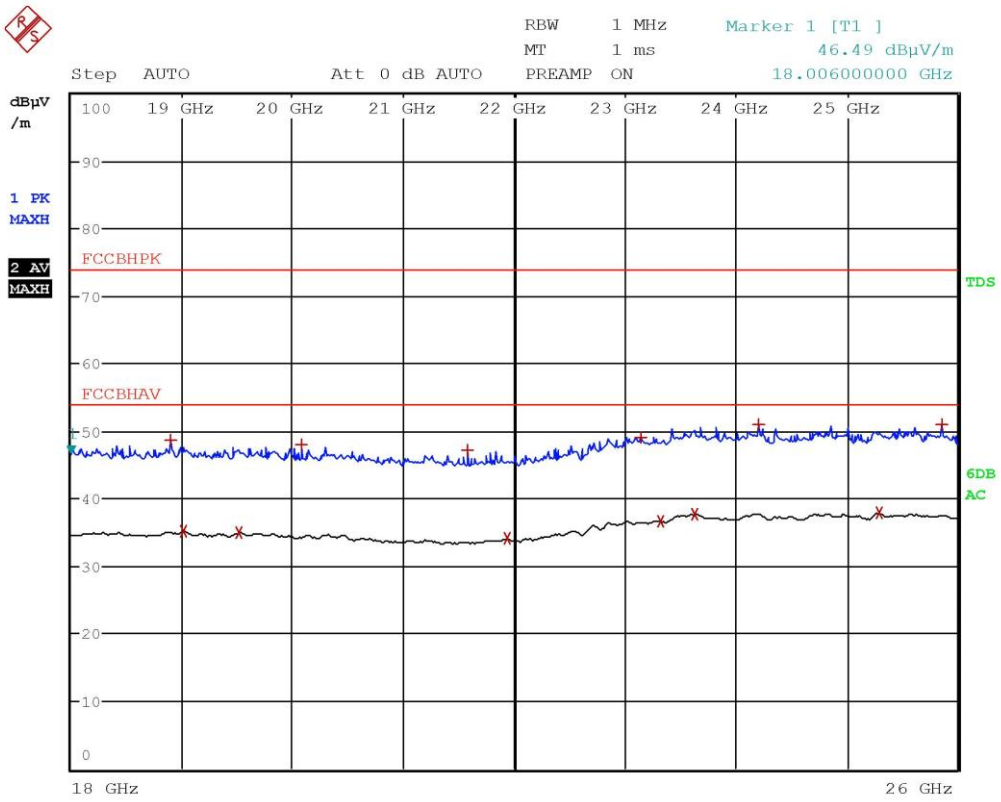
Panozzo 18025720 Horiz. In funzione Worst case



Panozzo 18025721 Horiz. In funzione Worst case

EDIT PEAK LIST (Prescan Results)			
Trace1:	FCCBHPK		
Trace2:	FCCBHAV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
1 Max Peak	18.1412 GHz	48.18	-25.79
2 Average	19.0088 GHz	35.22	-18.75
2 Average	19.5028 GHz	35.01	-18.97
1 Max Peak	19.8124 GHz	48.34	-25.63
2 Average	20.6708 GHz	33.99	-19.98
1 Max Peak	21.9776 GHz	46.97	-27.00
1 Max Peak	23.3012 GHz	50.02	-23.96
2 Average	23.324 GHz	36.69	-17.29
1 Max Peak	23.5772 GHz	50.85	-23.12
2 Average	23.634 GHz	37.80	-16.17
2 Average	25.2924 GHz	37.83	-16.14
1 Max Peak	25.5952 GHz	50.42	-23.55

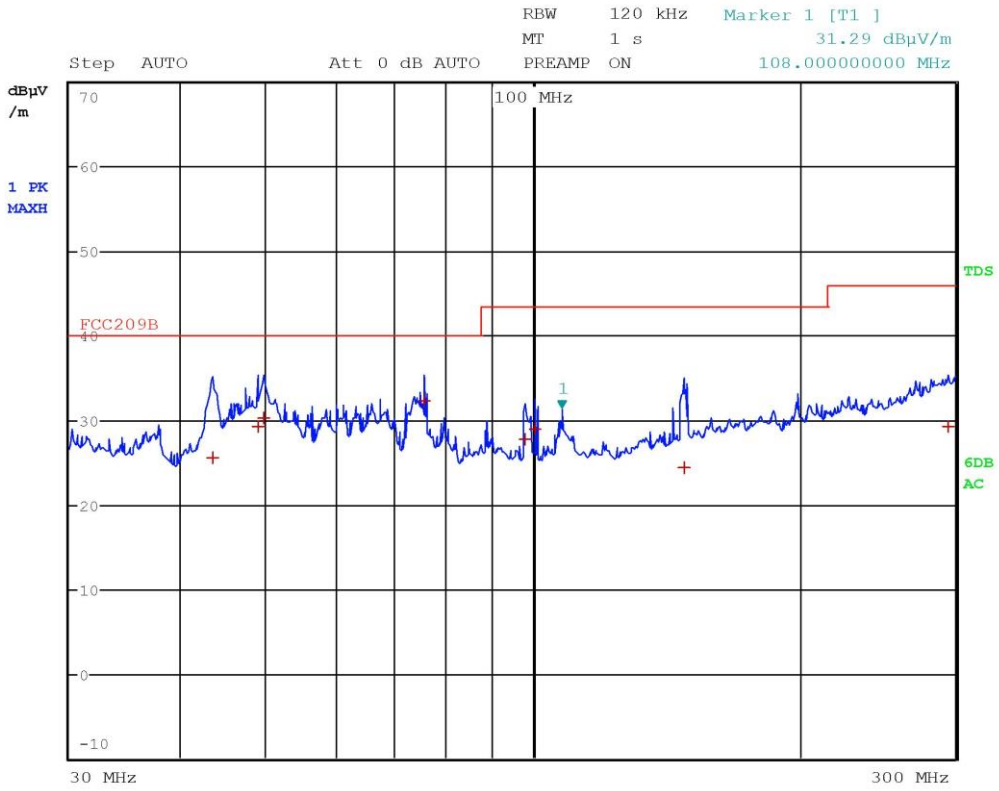
Panozzo 18025721 Horiz. In funzione Worst case



Panozzo 18025722 Vert. In funzione Worst case

EDIT PEAK LIST (Prescan Results)			
Trace1:	FCCBHPK		
Trace2:	FCCBHAV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
1 Max Peak	18.8912 GHz	48.66	-25.31
2 Average	19.0072 GHz	35.24	-18.73
2 Average	19.5064 GHz	35.03	-18.94
1 Max Peak	20.08 GHz	48.02	-25.95
1 Max Peak	21.5732 GHz	47.07	-26.90
2 Average	21.9364 GHz	34.09	-19.88
1 Max Peak	23.1348 GHz	49.11	-24.86
2 Average	23.322 GHz	36.72	-17.25
2 Average	23.6216 GHz	37.80	-16.17
1 Max Peak	24.2016 GHz	50.84	-23.13
2 Average	25.296 GHz	37.87	-16.10
1 Max Peak	25.862 GHz	50.86	-23.11

Panozzo 18025722 Vert. In funzione Worst case



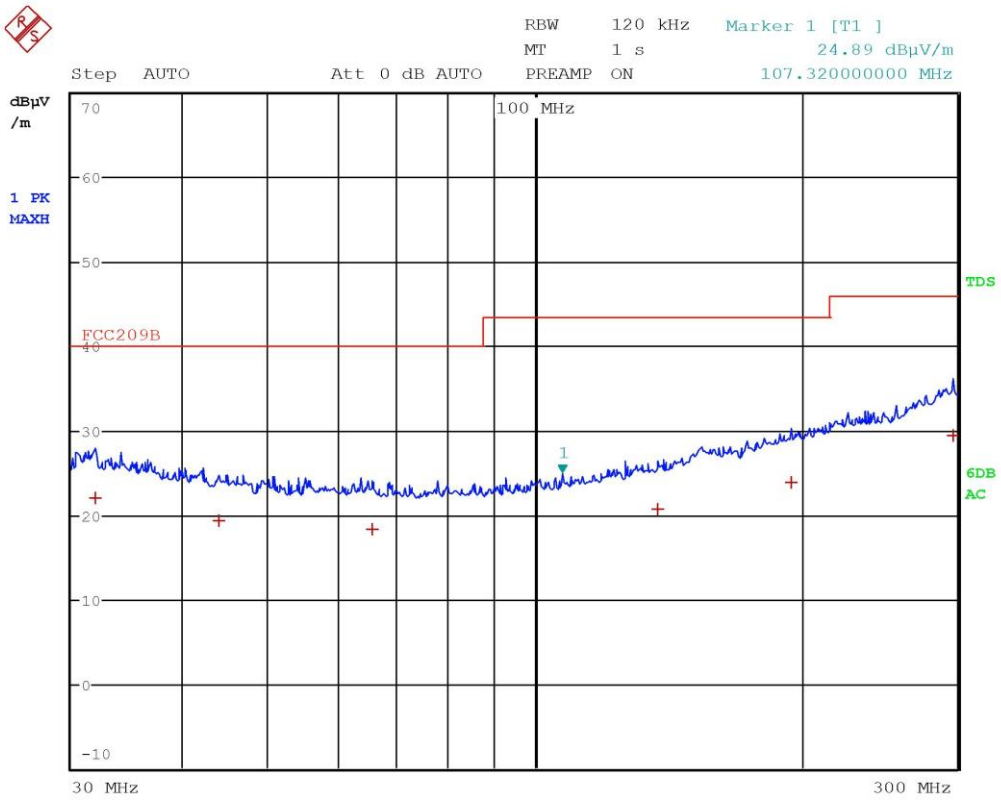
Panozzo 180025723 Vert In funzione Tx Worst Case

EDIT PEAK LIST (Final Measurement Results)

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

TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
1 Quasi Peak	43.56 MHz	25.59	-14.40
1 Quasi Peak	48.96 MHz	29.18	-10.81
1 Quasi Peak	49.72 MHz	30.20	-9.79
1 Quasi Peak	75.4 MHz	32.24	-7.75
1 Quasi Peak	97.92 MHz	27.72	-15.79
1 Quasi Peak	100.6 MHz	28.93	-14.58
1 Quasi Peak	148.48 MHz	24.29	-19.22
1 Quasi Peak	295 MHz	29.30	-16.71

Panozzo 180025723 Vert In funzione Tx Worst Case



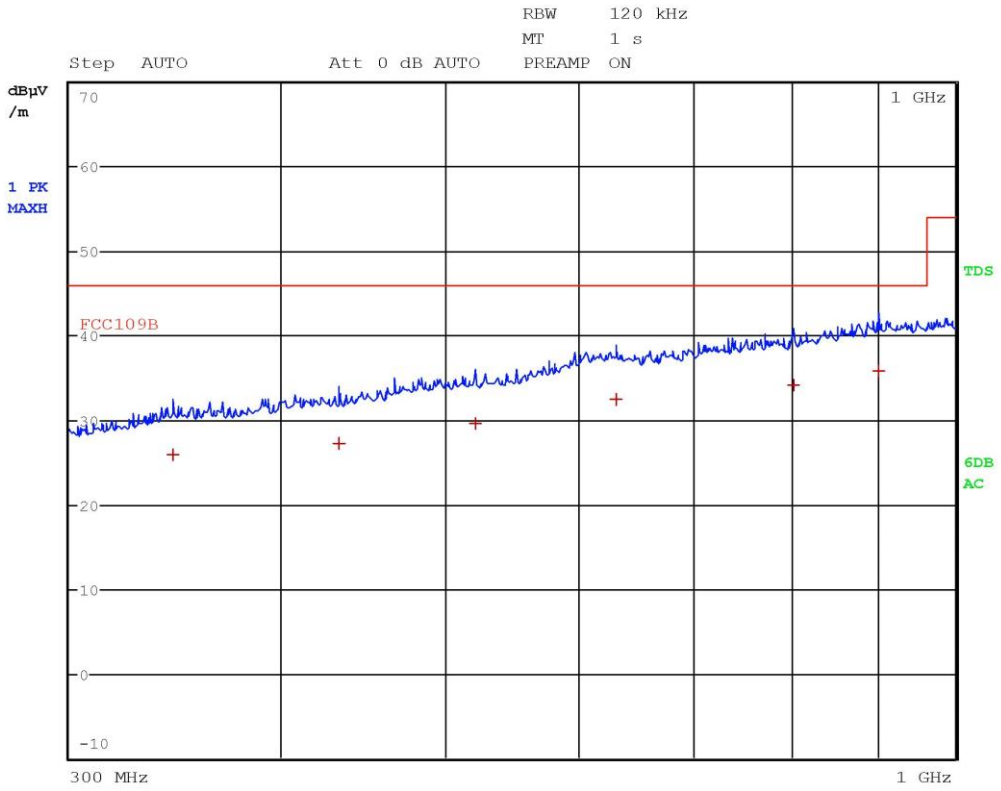
Panozzo 180025724 Horiz. In funzione Tx Worst Case

EDIT PEAK LIST (Final Measurement Results)

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

TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
1 Quasi Peak	31.96 MHz	22.06	-17.93
1 Quasi Peak	44.04 MHz	19.31	-20.68
1 Quasi Peak	65.6 MHz	18.24	-21.75
1 Quasi Peak	137.84 MHz	20.66	-22.85
1 Quasi Peak	194.8 MHz	23.93	-19.59
1 Quasi Peak	296.52 MHz	29.39	-16.62

Panozzo 180025724 Horiz. In funzione Tx Worst Case



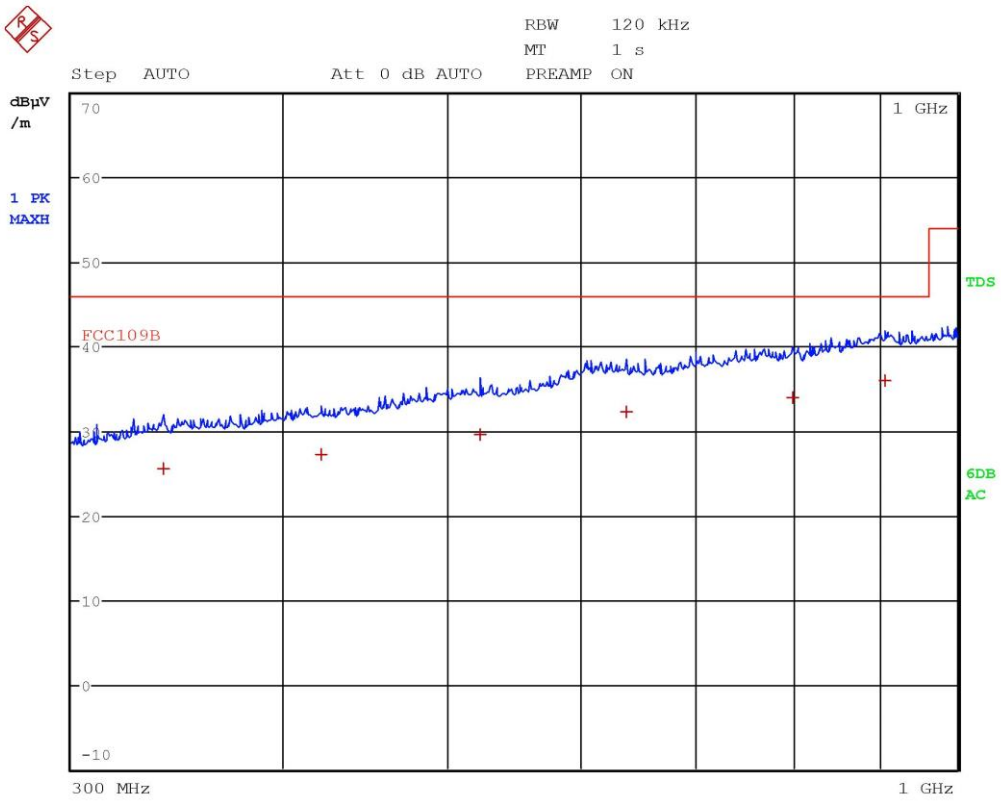
Panozzo 18025725 Horiz. In funzione Tx worst case

EDIT PEAK LIST (Final Measurement Results)

Trace1:	FCC109B
Trace2:	---
Trace3:	---

TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
1 Quasi Peak	345.64 MHz	25.80	-20.21
1 Quasi Peak	432.6 MHz	27.20	-18.81
1 Quasi Peak	520.56 MHz	29.54	-16.47
1 Quasi Peak	630.32 MHz	32.39	-13.62
1 Quasi Peak	802.24 MHz	34.13	-11.88
1 Quasi Peak	901.2 MHz	35.79	-10.22

Panozzo 18025725 Horiz. In funzione Tx worst case



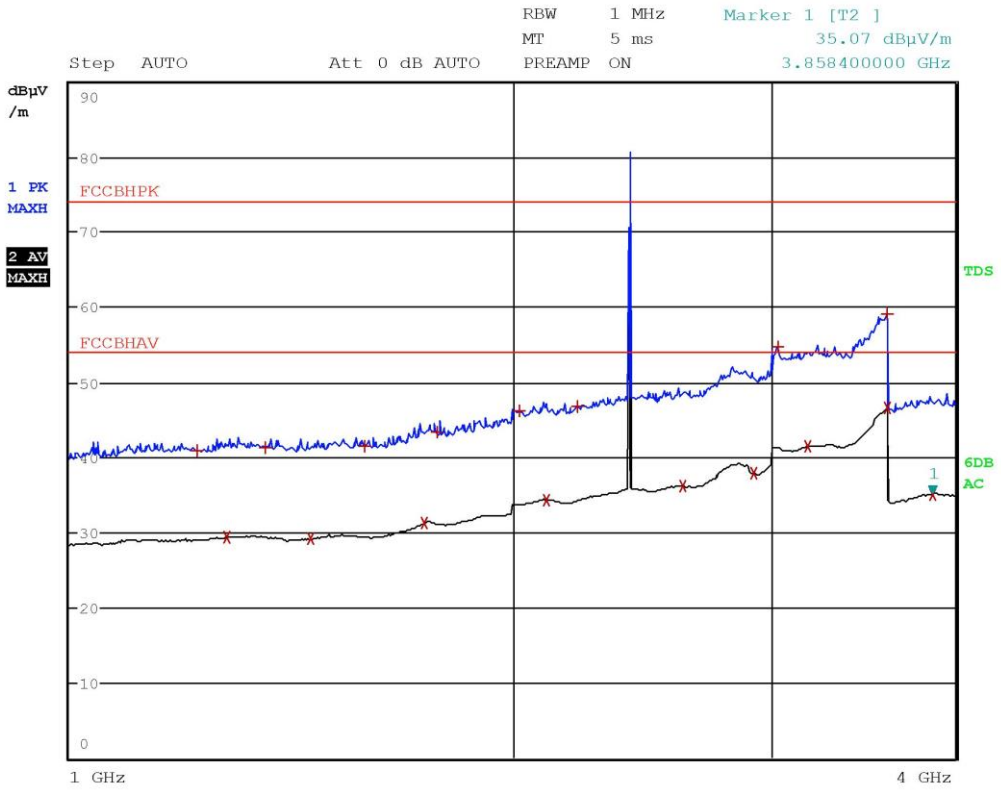
Panozzo 18025726 Vert . In funzione Tx worst case

EDIT PEAK LIST (Final Measurement Results)

Trace1:	FCC109B
Trace2:	---
Trace3:	---

TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
1 Quasi Peak	340.16 MHz	25.60	-20.41
1 Quasi Peak	420.92 MHz	27.25	-18.76
1 Quasi Peak	523 MHz	29.55	-16.47
1 Quasi Peak	637.96 MHz	32.23	-13.78
1 Quasi Peak	799.04 MHz	34.03	-11.99
1 Quasi Peak	906.76 MHz	35.96	-10.05

Panozzo 18025726 Vert . In funzione Tx worst case



Panozzo 18025728 Vert. In funzione Tx Ch 42