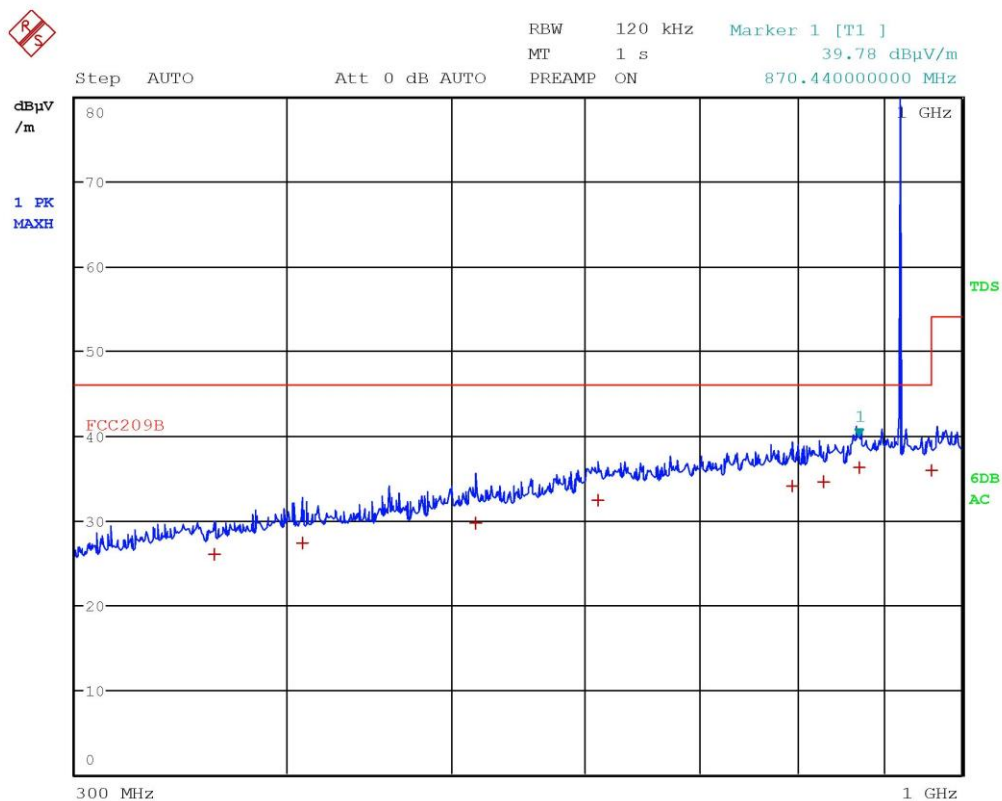


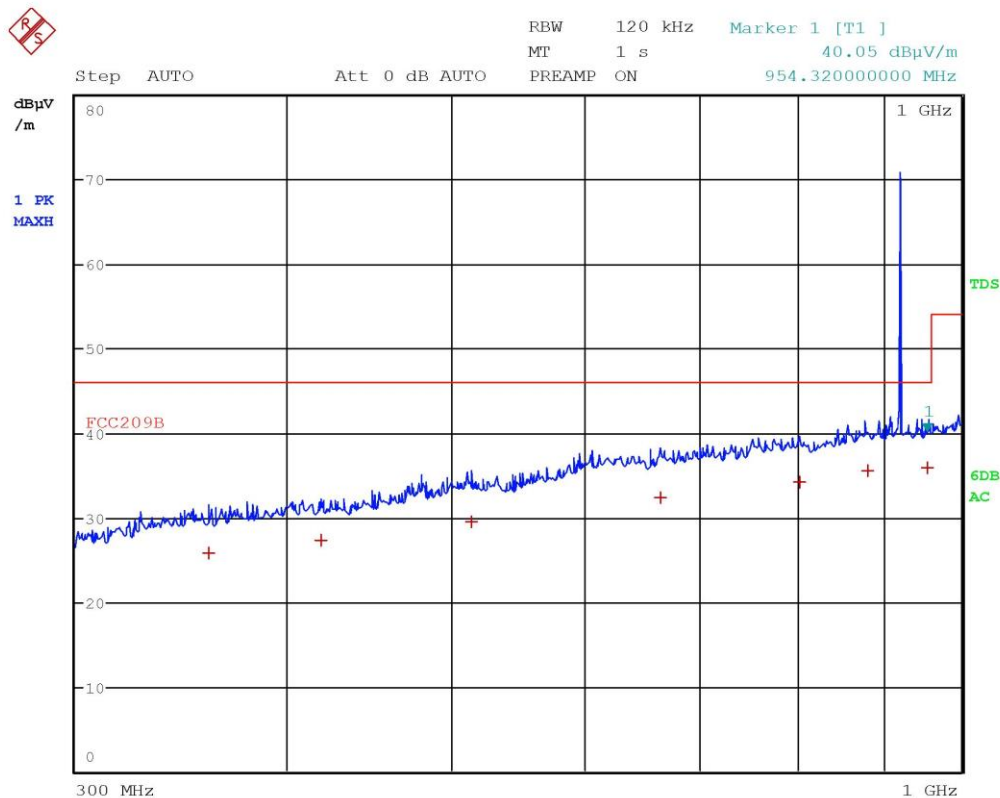


Panozzo 20197429



EDIT PEAK LIST (Final Measurement Results)			
Trace1:	FCC209B		
Trace2:	---		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV/m	DELTA LIMIT dB
1 Quasi Peak	362.56 MHz	25.92	-20.09
1 Quasi Peak	408.32 MHz	27.25	-18.76
1 Quasi Peak	516.8 MHz	29.58	-16.43
1 Quasi Peak	610.44 MHz	32.37	-13.64
1 Quasi Peak	795.4 MHz	34.11	-11.90
1 Quasi Peak	829.88 MHz	34.57	-11.44
1 Quasi Peak	870.44 MHz	36.14	-9.87
1 Quasi Peak	960.44 MHz	35.94	-18.03

Panozzo 20197429

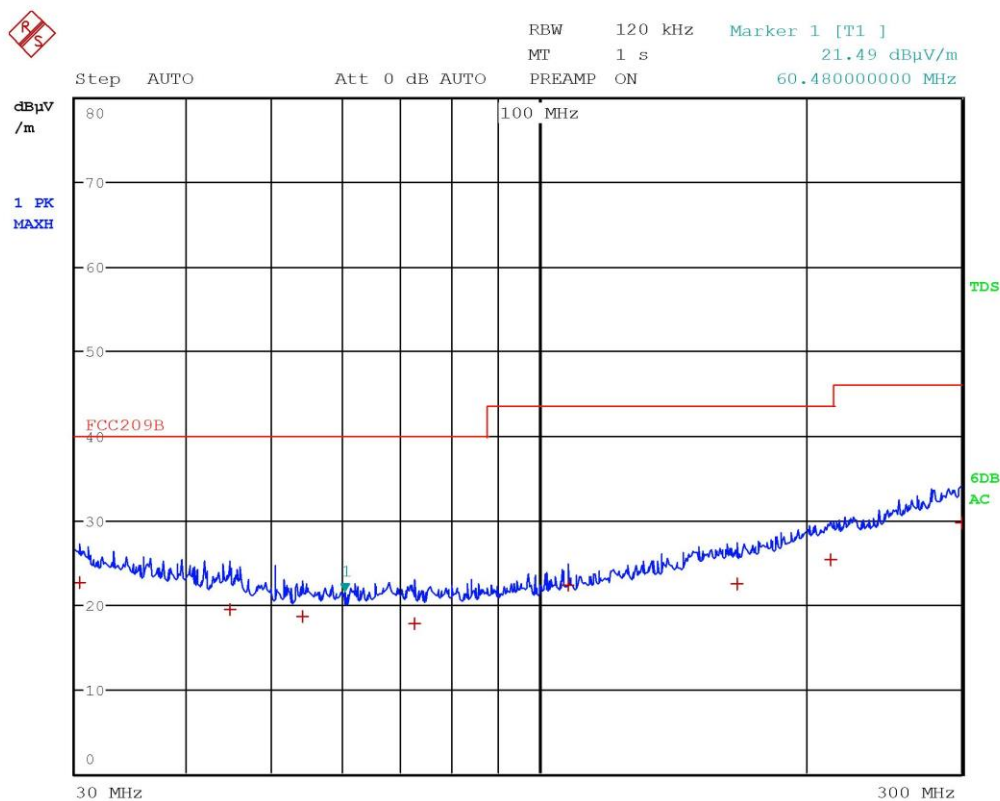


Panozzo 20197430



EDIT PEAK LIST (Final Measurement Results)			
Trace1:	FCC209B		
Trace2:	---		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV/m	DELTA LIMIT dB
1 Quasi Peak	359.36 MHz	25.84	-20.18
1 Quasi Peak	418.8 MHz	27.32	-18.69
1 Quasi Peak	513.84 MHz	29.53	-16.48
1 Quasi Peak	664.24 MHz	32.39	-13.62
1 Quasi Peak	802.72 MHz	34.21	-11.81
1 Quasi Peak	880.92 MHz	35.56	-10.45
1 Quasi Peak	954.32 MHz	35.85	-10.16

Panozzo 20197430

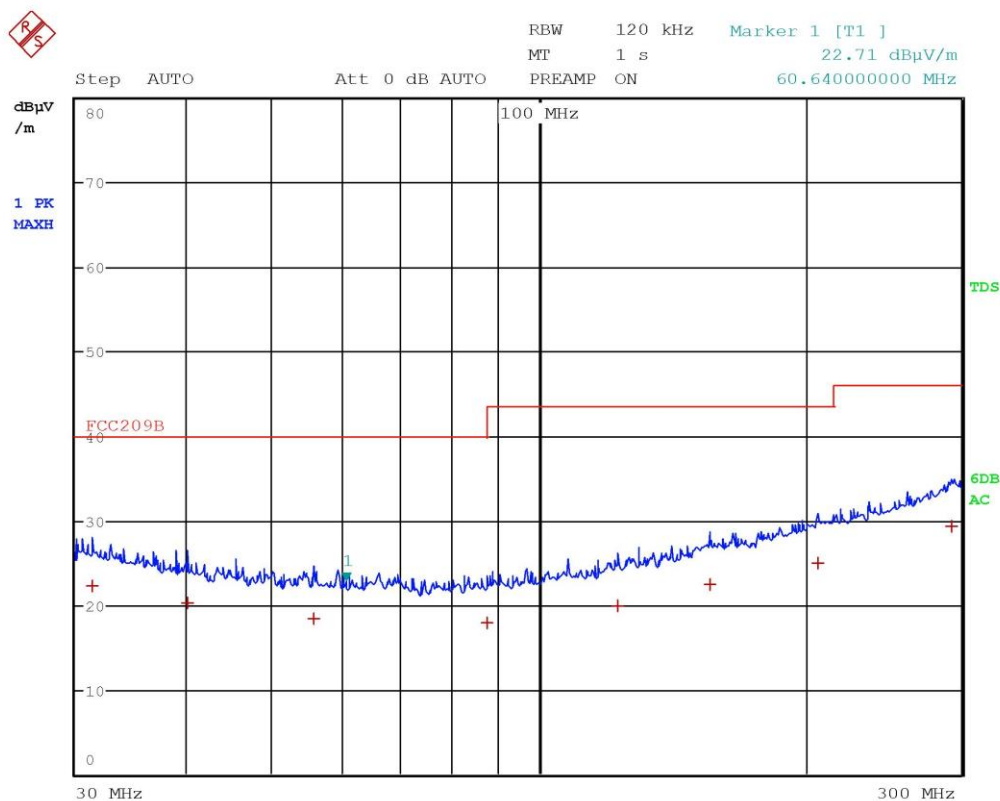


Panozzo 20197431



EDIT PEAK LIST (Final Measurement Results)			
Trace1:	FCC209B		
Trace2:	---		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV/m	DELTA LIMIT dB
1 Quasi Peak	30.28 MHz	22.57	-17.42
1 Quasi Peak	44.76 MHz	19.45	-20.54
1 Quasi Peak	54.16 MHz	18.51	-21.48
1 Quasi Peak	72.36 MHz	17.79	-22.20
1 Quasi Peak	107.88 MHz	22.31	-21.20
1 Quasi Peak	167.6 MHz	22.50	-21.01
1 Quasi Peak	213.72 MHz	25.23	-18.28
1 Quasi Peak	299.56 MHz	29.72	-16.29

Panozzo 20197431

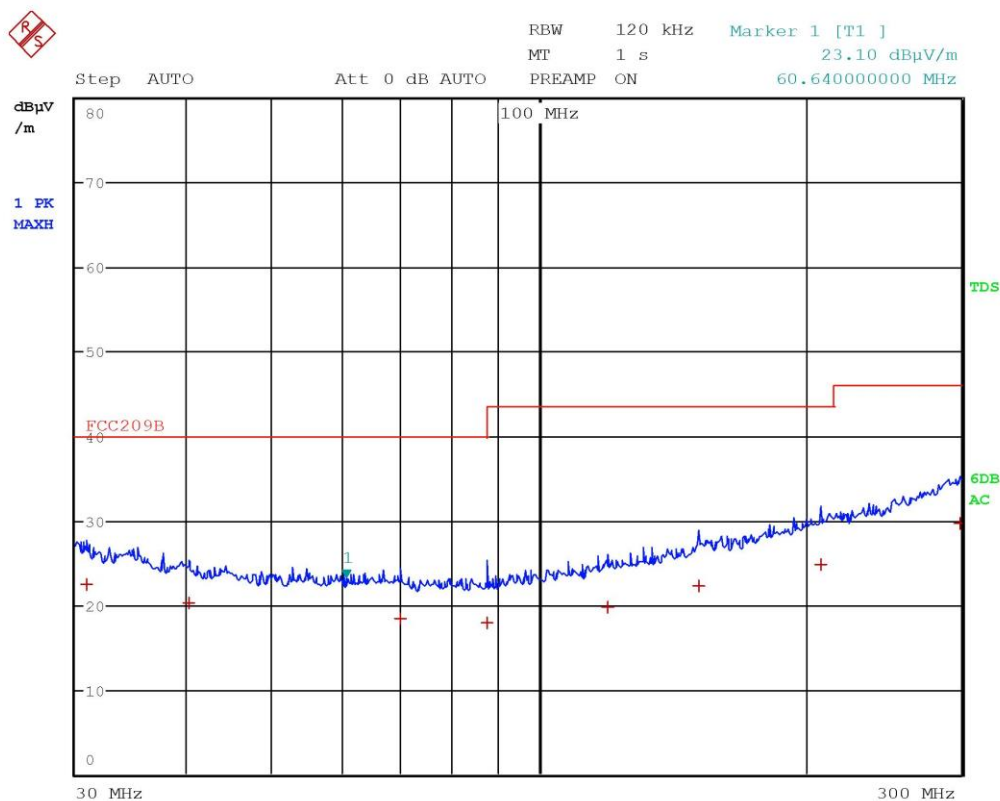


Panozzo 20197432



EDIT PEAK LIST (Final Measurement Results)			
Trace1:	FCC209B		
Trace2:	---		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV/m	DELTA LIMIT dB
1 Quasi Peak	31.36 MHz	22.24	-17.76
1 Quasi Peak	40.08 MHz	20.25	-19.74
1 Quasi Peak	55.68 MHz	18.42	-21.57
1 Quasi Peak	87.4 MHz	17.87	-22.13
1 Quasi Peak	122.84 MHz	19.83	-23.68
1 Quasi Peak	156.16 MHz	22.38	-21.13
1 Quasi Peak	206.48 MHz	24.98	-18.53
1 Quasi Peak	292.44 MHz	29.27	-16.74

Panozzo 20197432

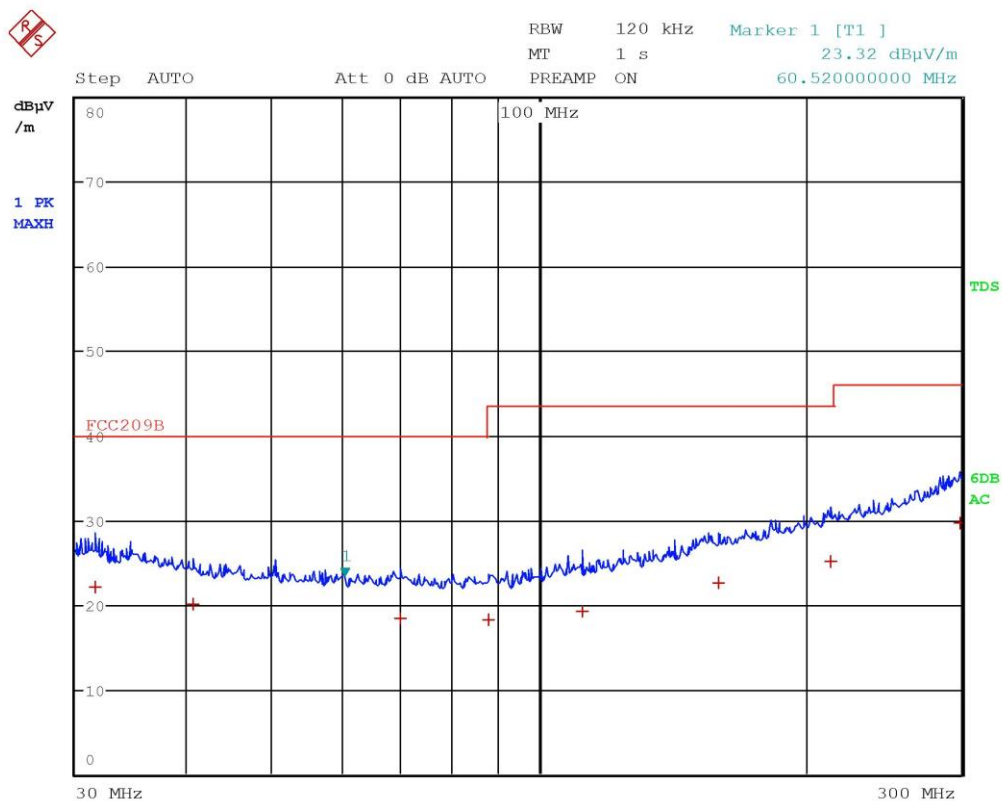


Panozzo 20197433



EDIT PEAK LIST (Final Measurement Results)			
Trace1:	FCC209B		
Trace2:	---		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV/m	DELTA LIMIT dB
1 Quasi Peak	30.84 MHz	22.45	-17.54
1 Quasi Peak	40.32 MHz	20.25	-19.74
1 Quasi Peak	69.72 MHz	18.32	-21.67
1 Quasi Peak	87.56 MHz	17.85	-22.14
1 Quasi Peak	119.68 MHz	19.75	-23.76
1 Quasi Peak	151.72 MHz	22.20	-21.31
1 Quasi Peak	208.32 MHz	24.85	-18.66
1 Quasi Peak	298.96 MHz	29.71	-16.30

Panozzo 20197433

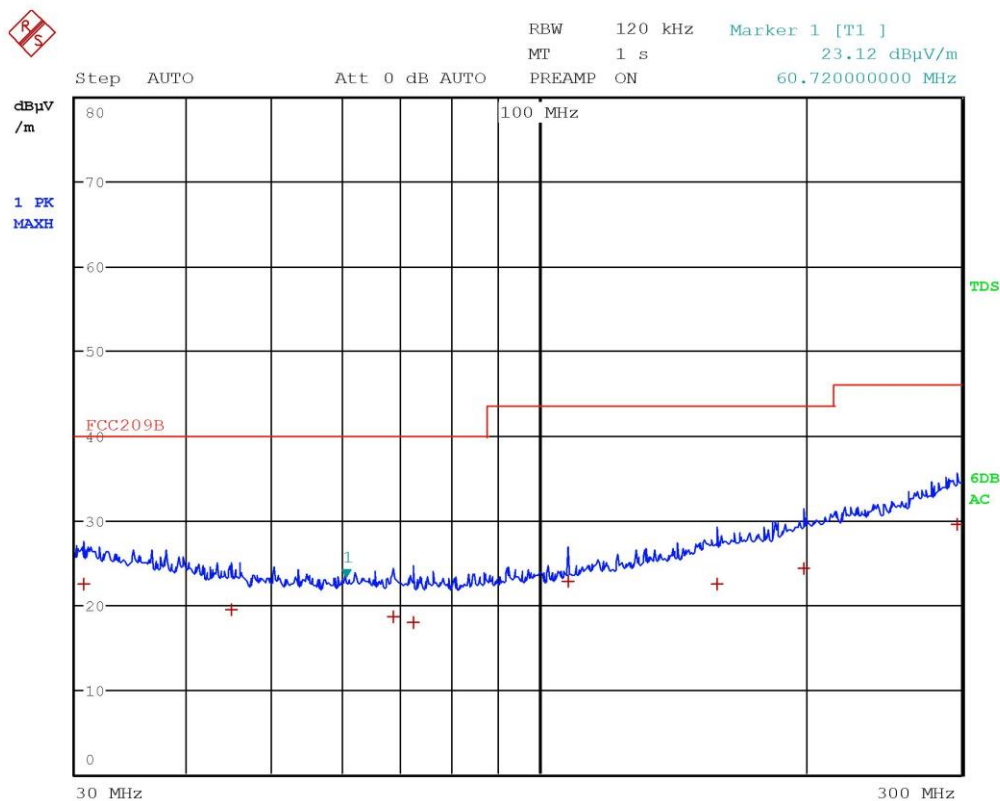


Panozzo 20197434



EDIT PEAK LIST (Final Measurement Results)			
Trace1:	FCC209B		
Trace2:	---		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV/m	DELTA LIMIT dB
1 Quasi Peak	31.52 MHz	22.05	-17.94
1 Quasi Peak	40.76 MHz	20.02	-19.97
1 Quasi Peak	69.76 MHz	18.37	-21.62
1 Quasi Peak	87.72 MHz	18.23	-21.77
1 Quasi Peak	111.76 MHz	19.19	-24.32
1 Quasi Peak	159.56 MHz	22.55	-20.96
1 Quasi Peak	213.92 MHz	25.17	-18.34
1 Quasi Peak	298.8 MHz	29.71	-16.31

Panozzo 20197434

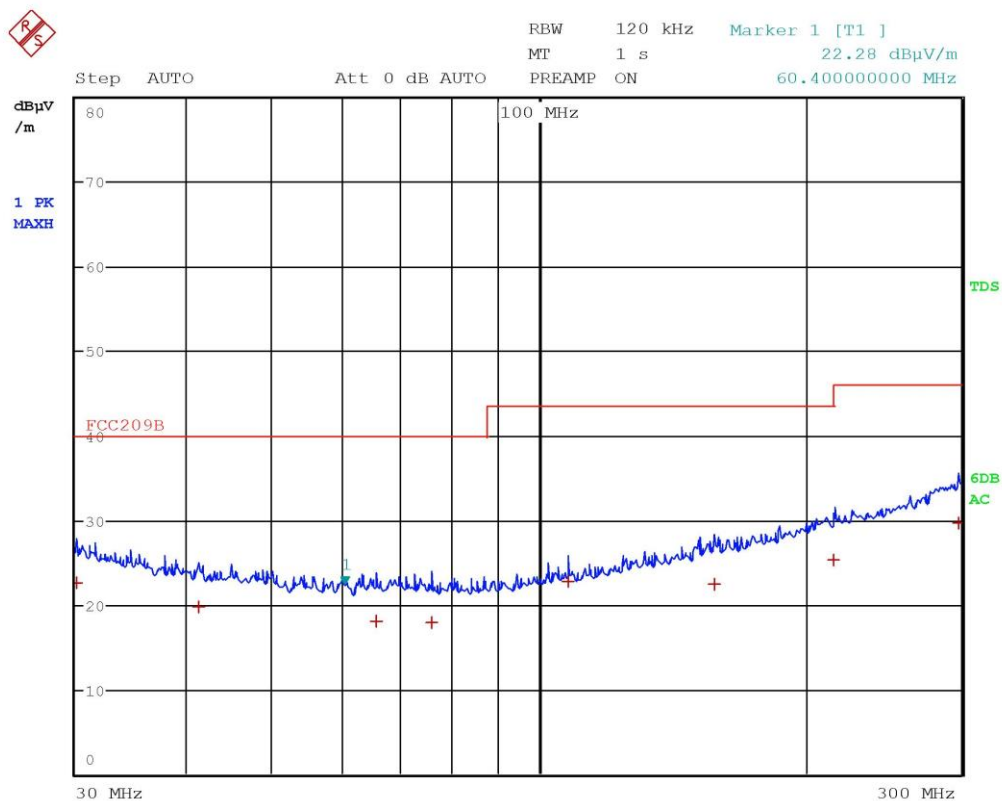


Panozzo 20197435



EDIT PEAK LIST (Final Measurement Results)			
Trace1:	FCC209B		
Trace2:	---		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV/m	DELTA LIMIT dB
1 Quasi Peak	30.68 MHz	22.49	-17.50
1 Quasi Peak	44.96 MHz	19.46	-20.53
1 Quasi Peak	68.44 MHz	18.57	-21.42
1 Quasi Peak	72.16 MHz	17.82	-22.18
1 Quasi Peak	107.92 MHz	22.72	-20.79
1 Quasi Peak	159.04 MHz	22.51	-21.00
1 Quasi Peak	199.28 MHz	24.29	-19.23
1 Quasi Peak	297.12 MHz	29.46	-16.55

Panozzo 20197435

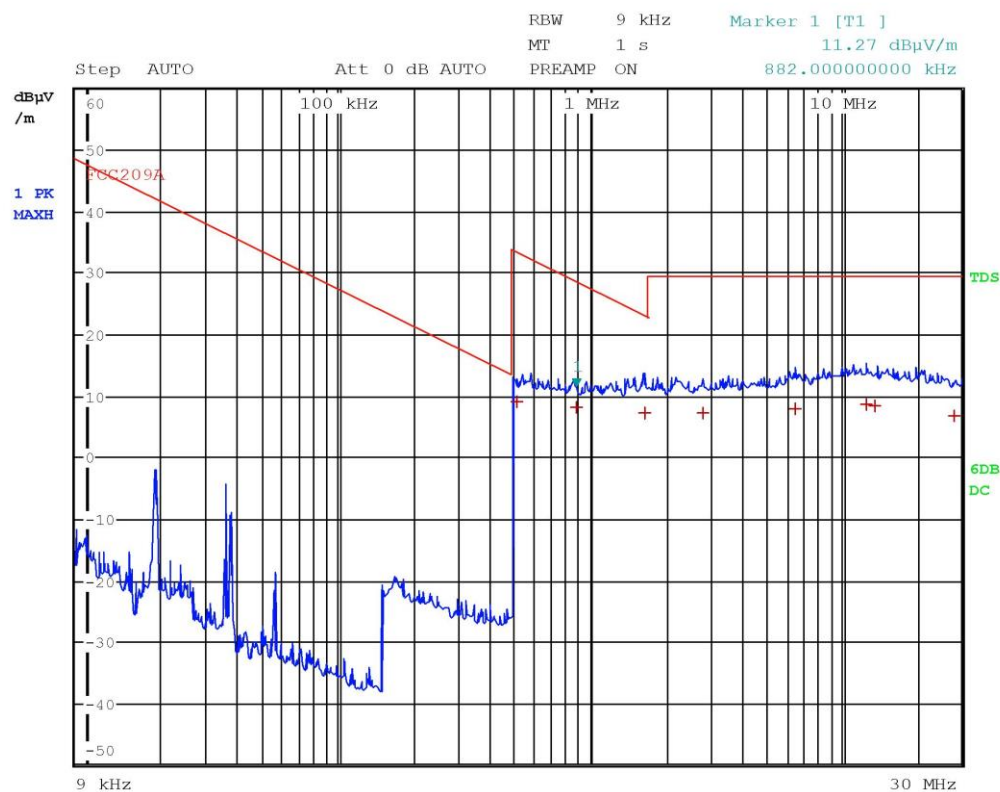


Panozzo 20197436



EDIT PEAK LIST (Final Measurement Results)			
Trace1:	FCC209B		
Trace2:	---		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV/m	DELTA LIMIT dB
1 Quasi Peak	30.12 MHz	22.59	-17.40
1 Quasi Peak	41.36 MHz	19.68	-20.31
1 Quasi Peak	65.6 MHz	18.13	-21.87
1 Quasi Peak	75.8 MHz	17.85	-22.14
1 Quasi Peak	107.92 MHz	22.81	-20.70
1 Quasi Peak	157.76 MHz	22.42	-21.09
1 Quasi Peak	215.28 MHz	25.29	-18.22
1 Quasi Peak	297.92 MHz	29.58	-16.43

Panozzo 20197436



Panozzo 20197437



EDIT PEAK LIST (Final Measurement Results)			
Trace1:	FCC209A		
Trace2:	---		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV/m	DELTA LIMIT dB
1 Quasi Peak	510 kHz	9.00	-24.44
1 Quasi Peak	882 kHz	8.06	-20.63
1 Quasi Peak	1.654 MHz	7.19	-16.04
1 Quasi Peak	2.806 MHz	7.21	-22.32
1 Quasi Peak	6.578 MHz	7.99	-21.54
1 Quasi Peak	12.506 MHz	8.62	-20.91
1 Quasi Peak	13.542 MHz	8.43	-21.10
1 Quasi Peak	28.174 MHz	6.81	-22.72

Panozzo 20197437



9.3 Peak Output Power

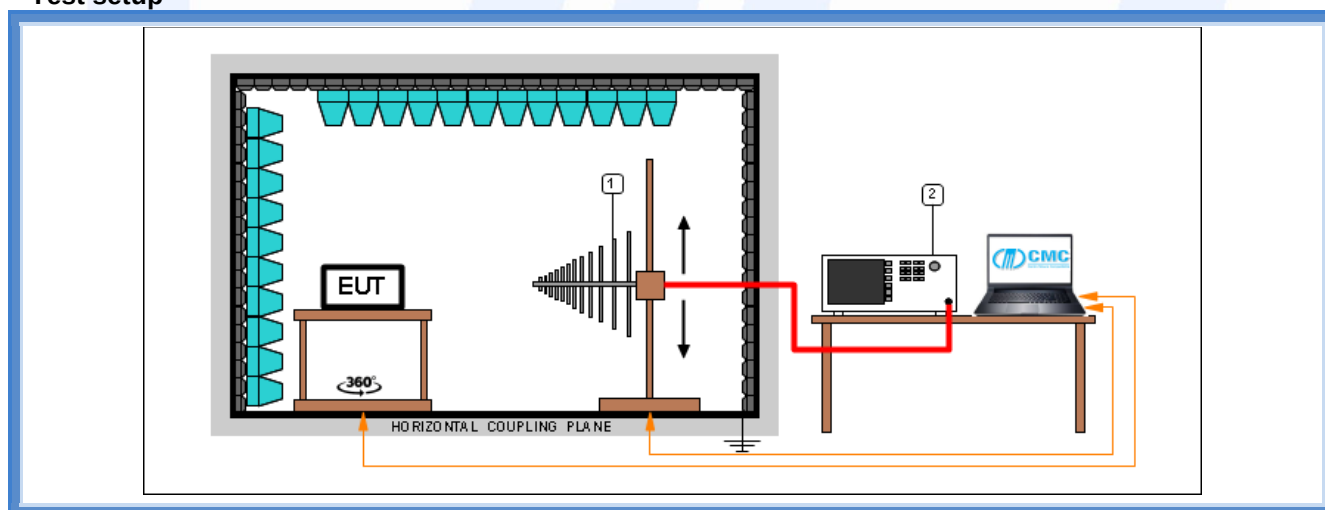
Tested by	C. Panozzo
Test date	26.11.2020
Test location (stand)	Semi-anechoic chamber (CMC A070)
Reference standards	FCC Rules and Regulation; Titles 47 Part. 15.209 and 249
Supplementary test set-up description	EUT – antenna distance: 3 m
Supplementary information	--

Acceptance limits

Frequency range (MHz)	RF Power Output (mV/m)	RF Power Output dB(μV/m)
902 – 928	50	94

Frequency range (MHz)	RF Power Output (mV/m)	RF Power Output dB(μV/m)
2400 – 2483,5	50	94

Test setup



Test setup PE004_03

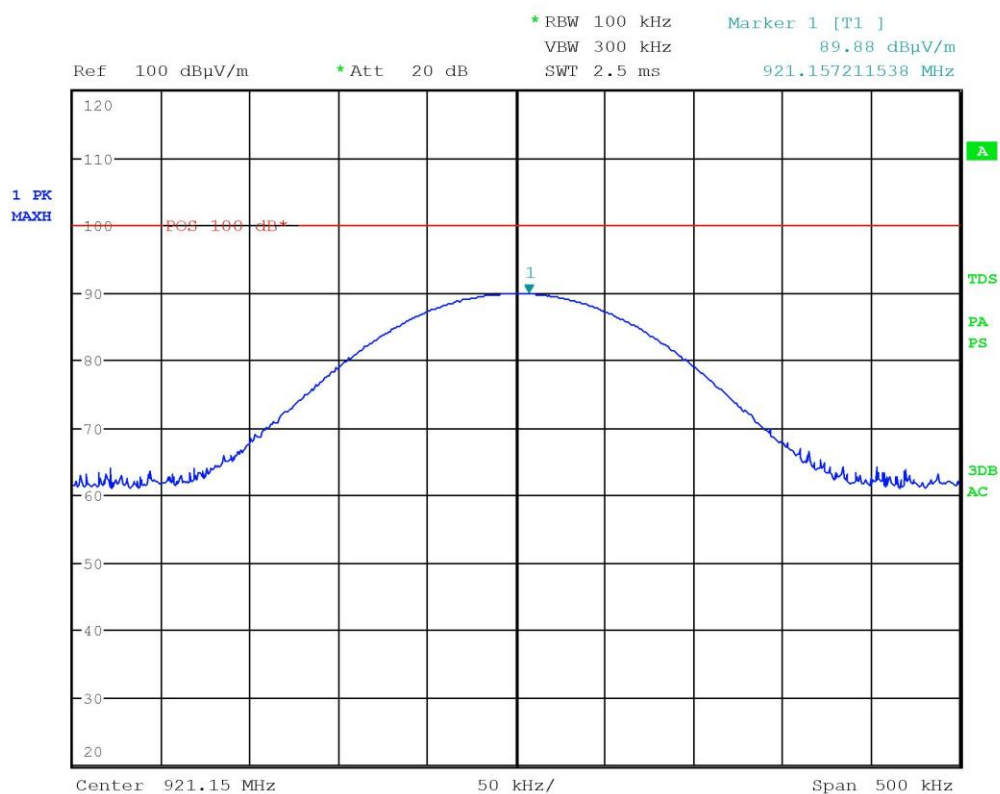
Nr.	Id. Number	Manufacturer	Model	Description
2	CMC S164	Rohde & Schwarz	ESU26	Receiver 20 Hz - 26.5 GHz
1	CMC S287	Schwarzbeck	VUSLP 9111B	Broadband Antenna

Result

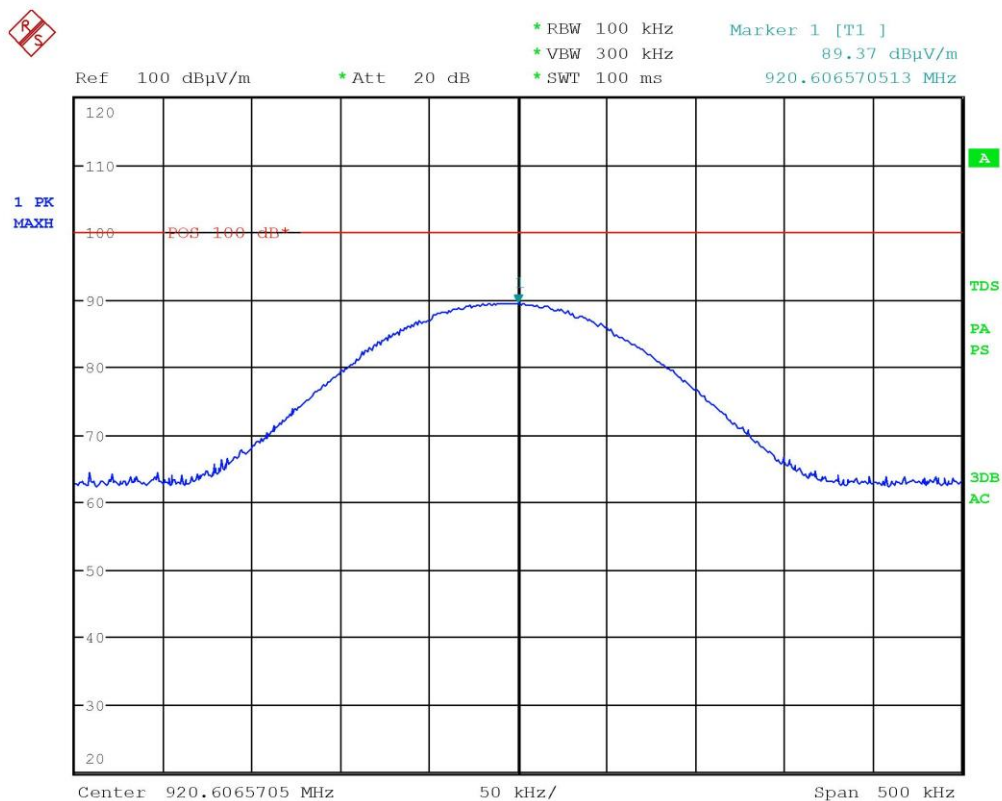
Channel (MHz)	Polarization	Graphs	Measured level (dBμV/m)	Limit (dBμV/m)
920,25	Worst case	G20197425	88,51	94,00
920,60	Worst case	G20197420	89,37	94,00
921,15	Worst case	G20197413	89,88	94,00



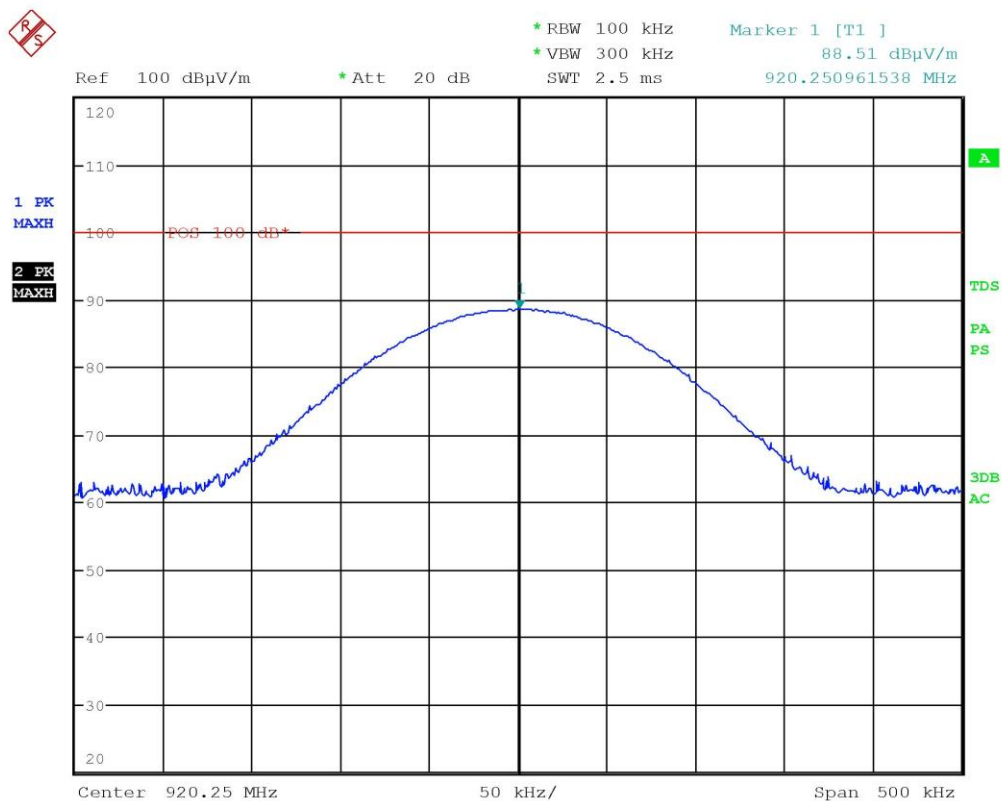
Graphs



Panozzo 20197413



Panozzo 20197420



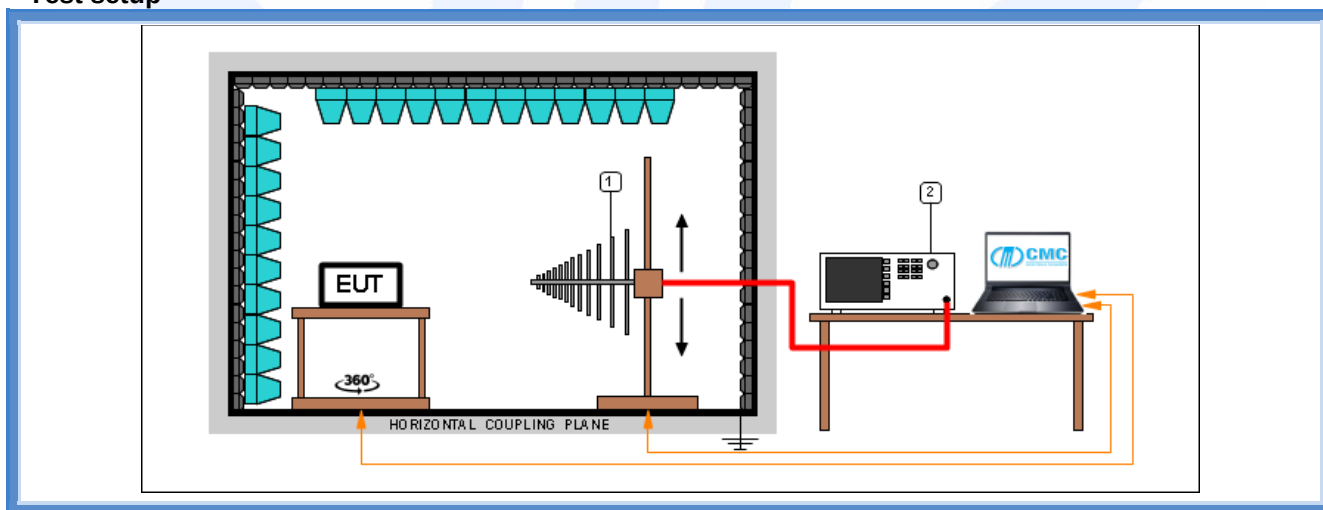
Panozzo 20197425



9.4 20 dB bandwidth

Tested by	C. Panozzo
Test date	26.11.2020
Test location (stand)	Semi-anechoic chamber (CMC A070)
Reference standards	FCC Rules and Regulation; Titles 47 Part. 15.215 (c) ANSI C63.10 cl. 7.8.7
Test specification	Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§15.217 through 15.257 and in subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated. In the case of intentional radiators operating under the provisions of subpart E, the emission bandwidth may span across multiple contiguous frequency bands identified in that subpart. The requirement to contain the designated bandwidth of the emission within the specified frequency band includes the effects from frequency sweeping, frequency hopping and other modulation techniques that may be employed as well as the frequency stability of the transmitter over expected variations in temperature and supply voltage. If a frequency stability is not specified in the regulations, it is recommended that the fundamental emission be kept within at least the central 80% of the permitted band in order to minimize the possibility of out-of-band operation

Test setup



Test setup PE004_03

Nr.	Id. Number	Manufacturer	Model	Description
2	CMC S164	Rohde & Schwarz	ESU26	Receiver 20 Hz - 26.5 GHz
1	CMC S287	Schwarzbeck	VUSLP 9111B	Broadband Antenna



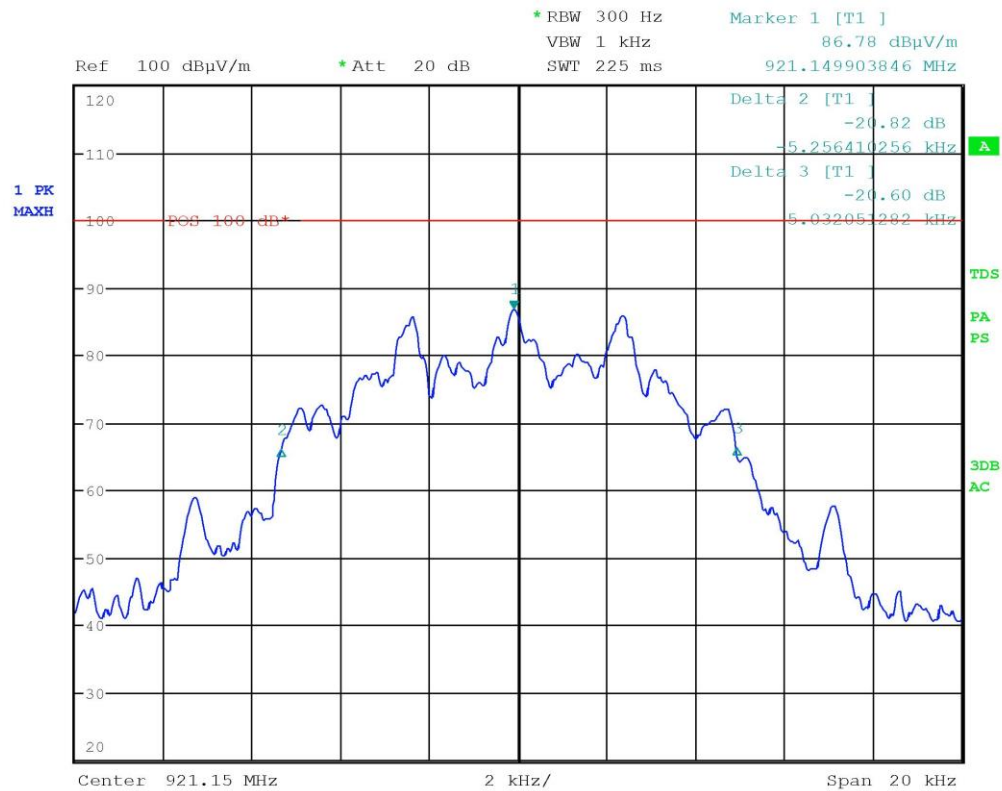
Result

Channel (MHz)	Graphs	20 dB bandwidth (MHz)	Limits (MHz)	Results
920,25	G20197426	920,245 – 920,255	902 – 928	Complies
920,60	G20197421	920,555 – 920,565	902 – 928	Complies
921,15	G20197414	921,145 – 921,155	902 – 928	Complies

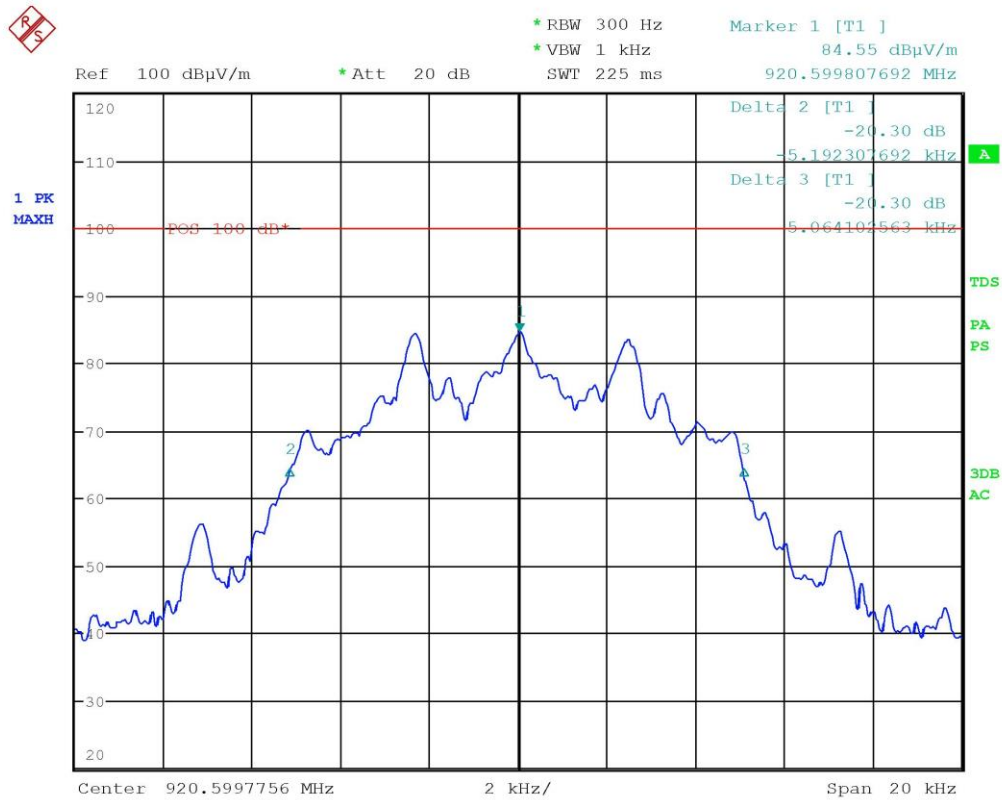




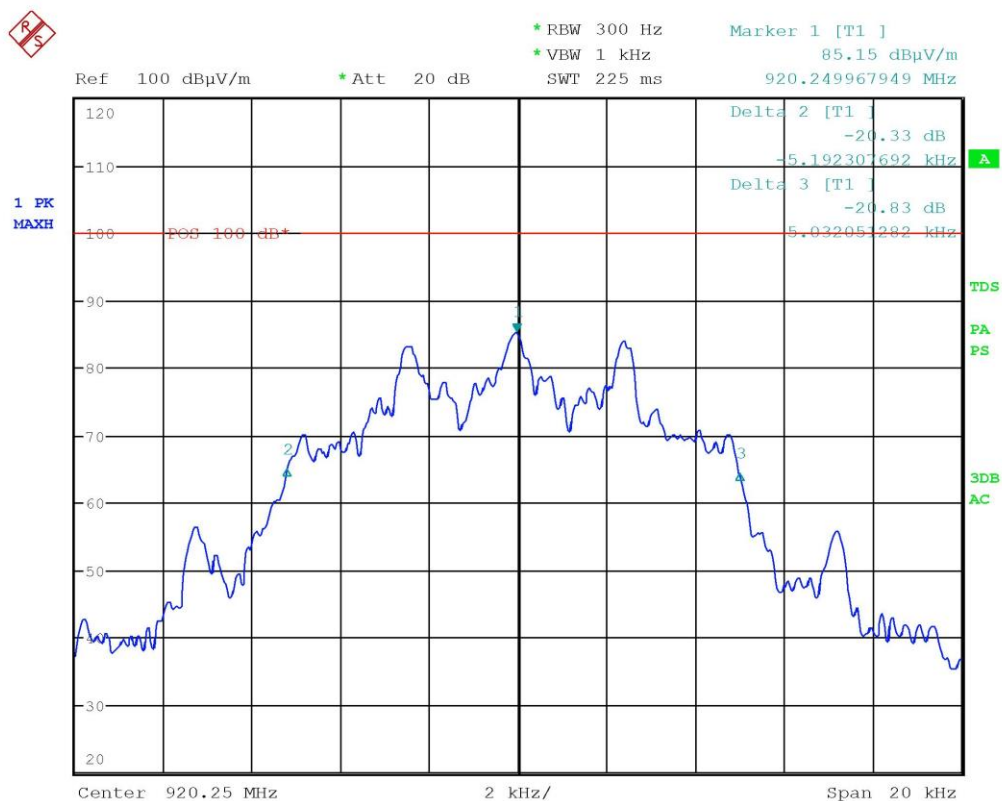
Graphs



Panozzo 20197414



Panozzo 20197421



Panozzo 20197426



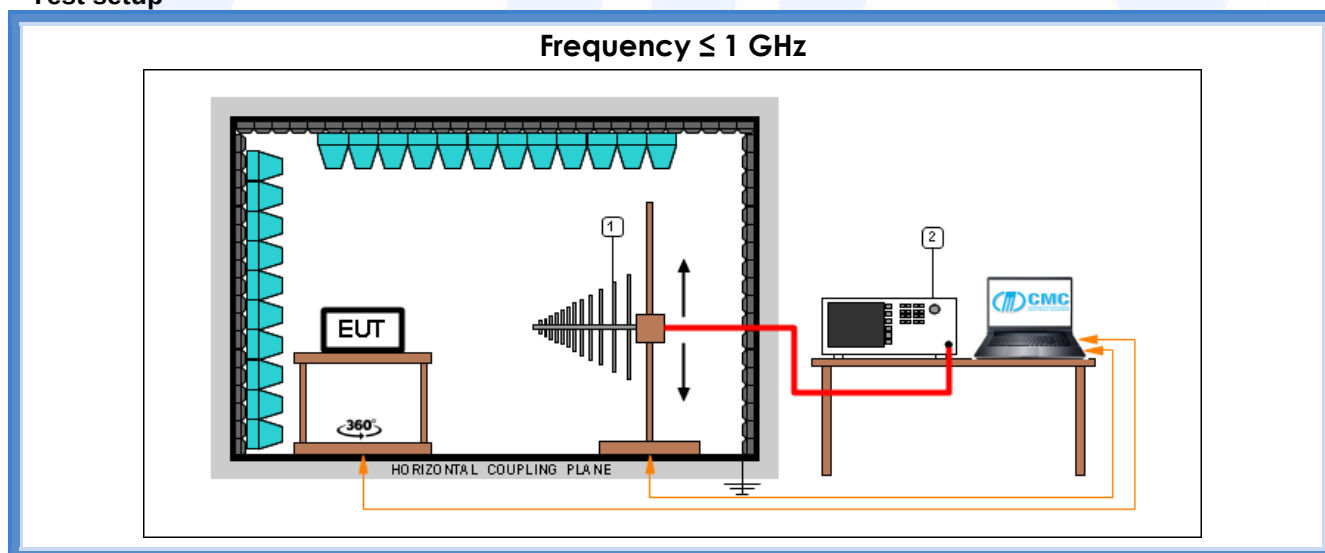
9.5 Band edge

Tested by	C. Panozzo
Test date	26.11.2020
Test location (stand)	Semi-anechoic chamber (CMC A070)
Reference standards	FCC Rules and Regulation; Titles 47 Part. 15.249 (d)
Test specification	Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in § 15.209, whichever is the lesser attenuation
Supplementary information.....	--

Acceptance limits

Operation within the band 902 – 928 MHz

Test setup



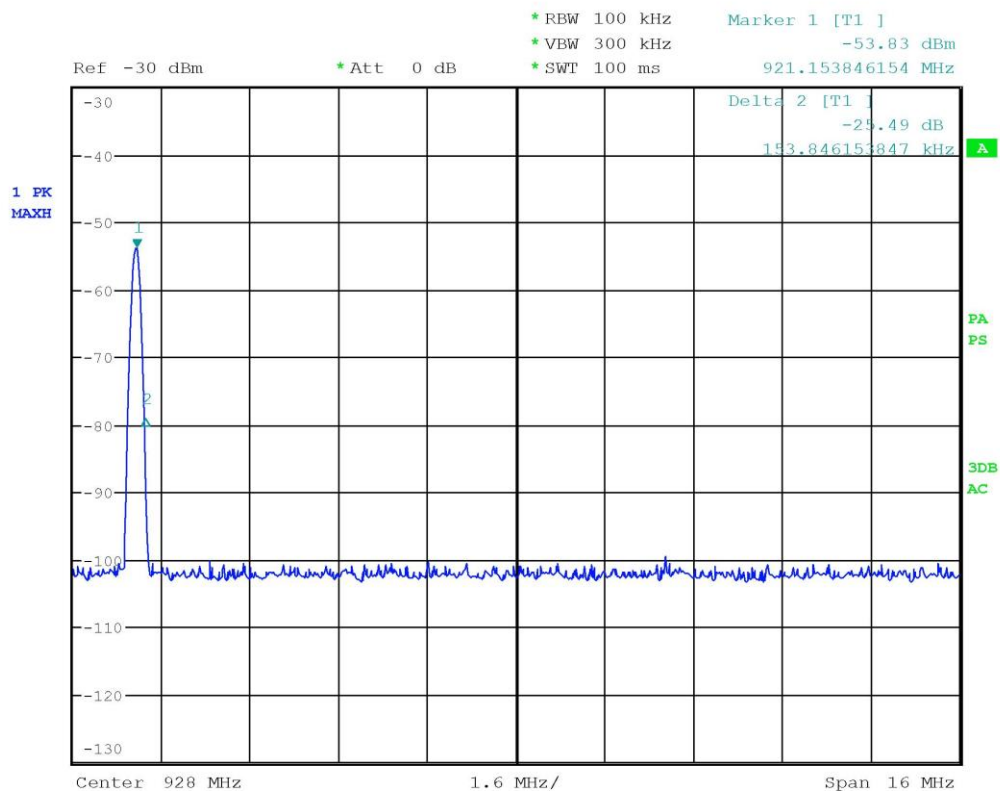
Test setup PE004_03				
Nr.	Id. Number	Manufacturer	Model	Description
2	CMC S164	Rohde & Schwarz	ESU26	Receiver 20 Hz - 26.5 GHz
1	CMC S287	Schwarzbeck	VUSLP 9111B	Broadband Antenna

Result

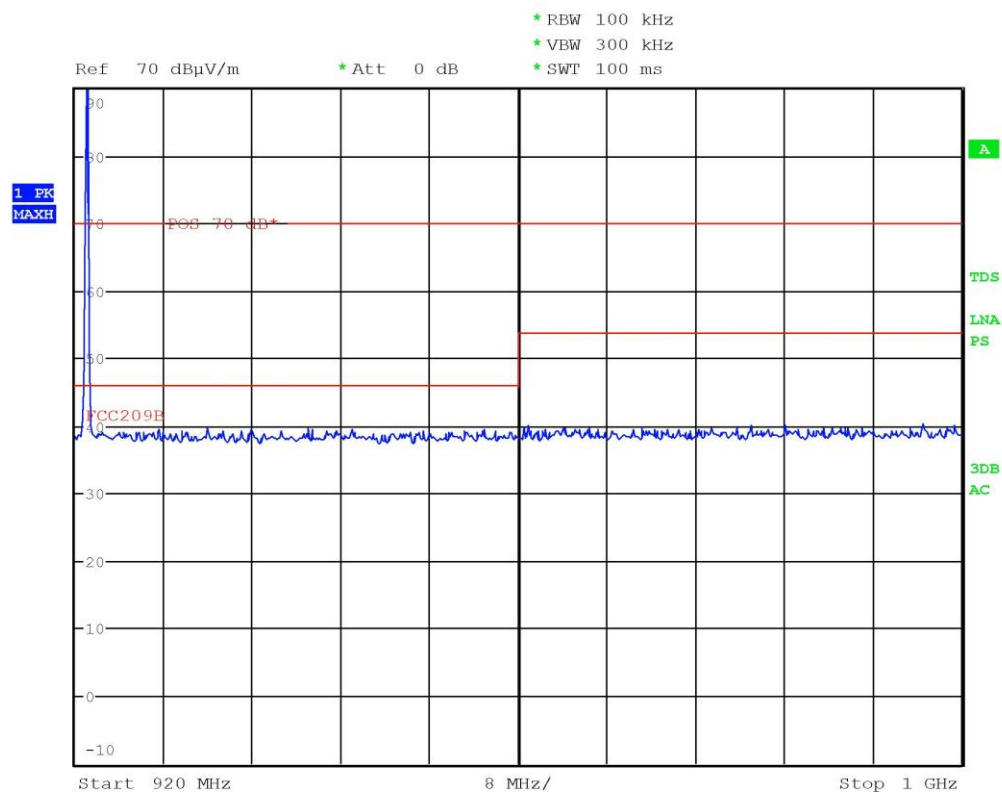
Channel (MHz)	Graph(s)	Results	
920,25	G20197428	F _L : 920,0860 MHz	Complies
921,15	G20197416	F _H : 921,3080 MHz	Complies
	G20197417		



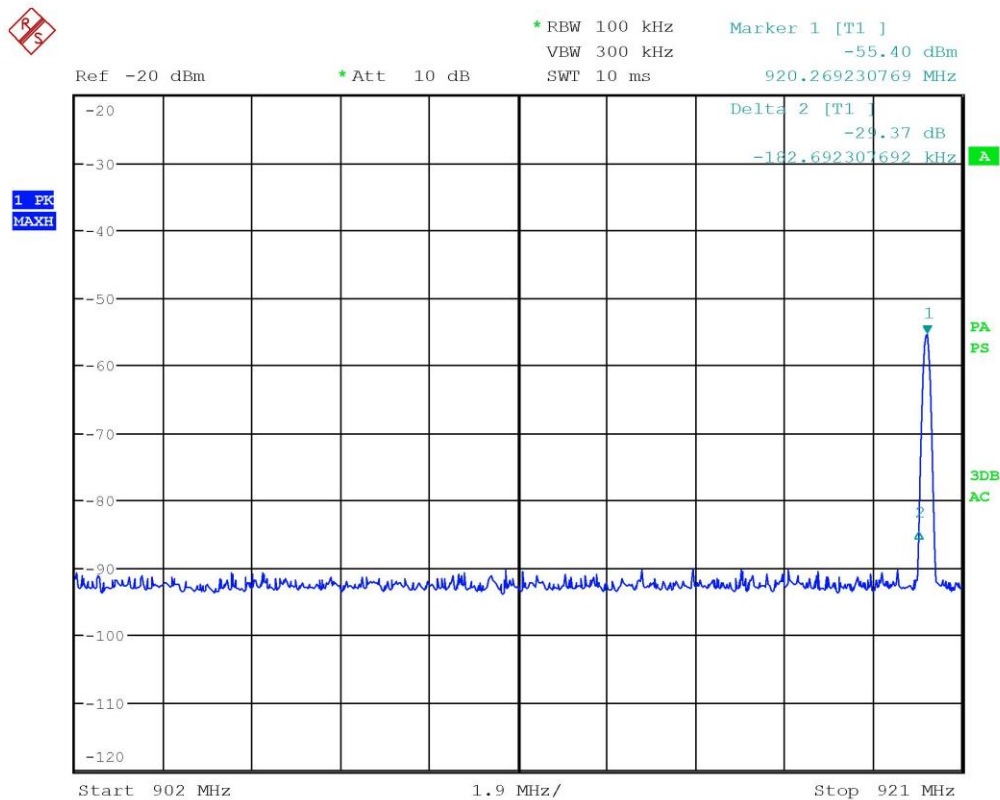
Graphs



Panozzo 20197416



Panozzo 20197417



Panozzo 20197428



Attachment 1

Instruments 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 '20	January '21
CMC S108	EMCO	3115	Horn Antenna	9811-5622	June '19	June '22
CMC S127	Schaffner	HLA6120	Loop Antenna	1191	November '18	November '23
CMC S164	Rohde & Schwarz	ESU26	EMC interference receiver	100052	January '20	January '21
CMC S200	Schwarzbeck	NSLK 8128	V-LISN	8128-273	January '20	January '21
CMC S206	Rohde & Schwarz	ESCI 7	EMC Receiver 9KHz-7GHz	100781	January '20	January '21
CMC S260	CMC	Wfr_N	Shielded Cable	Wfr_ant10-1	November '20	November '21
CMC S261	CMC	Wfr_N	Shielded Cable	Wfr_ant20-1	November '20	November '21
CMC S262	CMC	Wfr_N_fix	Shielded Cable	Wfr_fix32-1	November '20	November '21
CMC S263	CMC	Wfr_N_fix	Shielded Cable	Wfr_fix31-1	November '20	November '21
CMC S264	CMC	Wfr_N	Shielded Cable	Wfr_ext03-1	November '20	November '21
CMC S271	Schwarzbeck	BBA 9106 + VHBB 9124	Biconical Antenna (30-300MHz)	831	June '19	June '22
CMC S287	Schwarzbeck	VUSLP 9111B	Log-periodic Antenna (200 MHz-3GHz)	9111B-203	June '19	June '22
CMC S288	CMC	W_sma_white	Joint Shielded Cable	W_001	November '20	November '21
CMC S295	Rohde & Schwarz	FSW43	Spectrum Analyzer 43GHz	104059	November '20	November '23



Attachment 1

Measurement uncertainty

Test	Test Setup	Expanded uncertainty	Note
Conducted emission CISPR 16 LISN 50uH 0,009-0,0150 MHz	PE001_01	3,4 dB	1
Conducted emission CISPR 16 LISN 50uH 0,150-30,0 MHz	PE001_01	3,0 dB	1
Conducted emission CISPR 16 Voltage Probe 0,15-30 MHz	PE001_02	2,9 dB	1
Conducted emission CISPR 16 Current Probe 0,15-30 MHz	PE001_03	2,6 dB	1
Conducted emission CISPR 16 ISN 0,15-30 MHz	PE001_04	4,7 dB	1
Clic CISPR 16 LISN 50uH 0,150-30,0 MHz	PE001_05	2,9 dB	1
Radiated Emission CDNE 30-300 MHz	PE001_06	3,3 dB	1
Disturbance Power 30-300 MHz	PE002_01	3,6 dB	1
Radiated Emission LAS 0,15-30 MHz	PE003_01	2,0 dB	1
Radiated Emission CISPR 16 Loop Ant. 0,15-30 MHz	PE004_01	4,0 dB	1
Radiated Emission CISPR 16 Bicon. Ant. 30-300 MHz	PE004_02	3,9 dB	1
Radiated Emission CISPR 16 LogP. Ant. 300-1000 MHz	PE004_03	3,8 dB	1
Radiated Emission CISPR 16 Horn Ant. 1-18 GHz	PE004_04	4,2 dB	1
Human Exposure to electromagnetic fields	PE005_01	23,6 %	1
Harmonics	PE006_01	10 mA + 2,6 %	1
Flicker	PE007_01	4,79 %	1
Radiated Immunity 80 MHz - 6 GHz	PE102_XX	1,95 dB 0,75 V/m a 3V/m	1
Conducted Immunity 0,15 - 230 MHz	PE105_XX	1,20 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



Attachment 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+05	4,7 dB	1
Misura della potenza EIRP 18-40GHz d=3m	PR001_06	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
Ring Wave immunity test	PE110_01		2
Low frequency immunity test	PE111_01		2
Dumped Oscillatory immunity test	PE113_01		2
Rev_20_02 date 24/02/2020			

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%

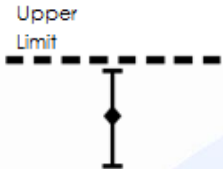
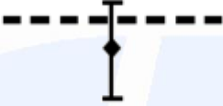
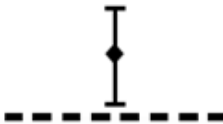
Note 2:

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



Attachment 1

Judgement of compliance

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

Quality manual references – Internal procedure

Internal Procedure PM001 rev. 3.0 (Quality Manual)	Measure procedure
Internal Procedure INC_M rev. 9.1 (Quality Manual)	Measurement uncertainty calculation