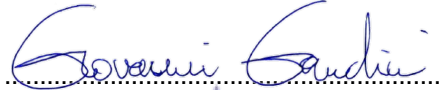



## TEST REPORT

### Nr. R21256401

### Federal Communication Commission (FCC)

<b>Report Reference No.</b> .....	R21256401
Date of issue: .....	16.05.2022
Total number pages: .....	69
<b>Customer name</b> .....	Autec S.r.l.
Address .....	Via Pomaroli, 65 – 36030 Caldogno (VI) – Italy
<b>Test specification:</b>	
Standards .....	FCC Rules & Regulations, Title 47:2020 Part 15 paragraph(s): 203, 204, 205, 207, 209, 215 and 247
Non-standard test method .....	N/A
<b>Test Report Form No.</b> .....	15-247_HoppingCMC
Test Report Form(s) Originator ..	CMC Centro Misure Compatibilità S.r.l.
Master TRF .....	2022-03
<b>General disclaimer:</b>	
The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of CMC Centro Misure Compatibilità S.r.l.	
<b>(*) Test item description</b> .....	Transceiver unit
(*) Trademark .....	Autec
(*) Manufacturer .....	Autec S.r.l.
(*) Model / Type reference .....	Model J4A Type NZ2QH
(*) FCC ID .....	OQA-J4ANZ2QH
(*) Rating(s) .....	7,4 Vdc from battery
<b>Report</b>	
Tested by (name + signature) .....	G. Gandini 
Approved by (name + signature) .....	F. Marena 

(\*) information provided by the customer

## 1 Summary

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<b>2 Reference standard</b>	
FCC Rules and Regulation Title 47 part 15:2020	--
<b>3 List of attachments</b>	
Attachment 1: Instruments list, measurement uncertainty, judgement of compliance and quality manual references	
<b>4 Deviation(s) from test specification</b>	
None	
<b>5 Testing location</b>	
CMC Centro Misure Compatibilità S.r.l. Via della Fisica, 20 – 36016 Thiene (VI) – Italy Test site facility's FCC registration number: 182474	

<i>Revision index</i>	<i>Date</i>	<i>Change history</i>
1.0	16.05.2022	--

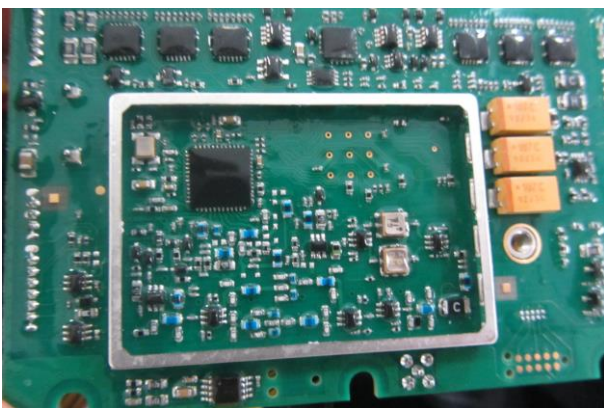
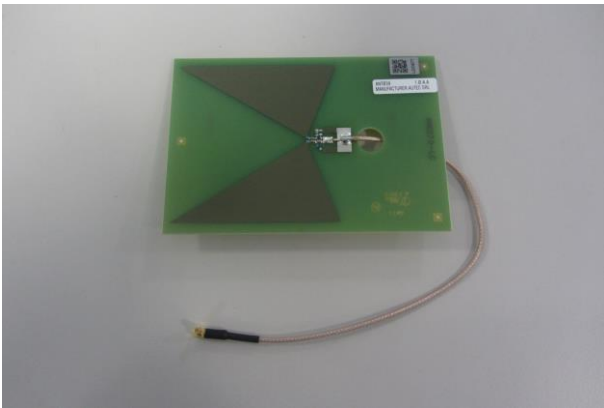
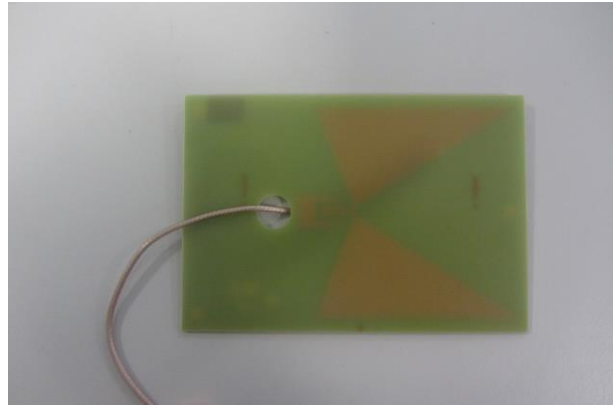
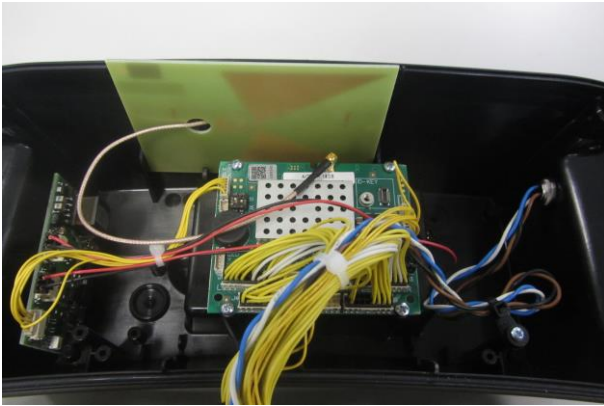
<b>Testing and sampling:</b>	
Date of receipt of test item.....	09.11.2021
Testing start date.....	01.12.2021
Testing end date.....	05.04.2022
Sampling procedure.....	Equipment used for testing was picked up by the customer
Internal identification.....	Adhesive label with the product number P211258
<b>General remarks:</b>	
<p>This report shall not be reproduced, except in full, without the written approval of CMC.            The test results presented in this report relate only to the object tested.            "(see appended table)": refers to a table appended to the report.            Throughout this report a comma is used as the decimal separator.</p>	
<b>Possible test case verdicts:</b>	
Test case does not apply to the test object:	N/A (Not Applicable)
Test object does meet the requirement:	P (Pass)
Test object does not meet the requirement:	F (Fail)
Test object does not performed:	N/E (Not Executed)
<b>Definition of symbols used in this test report:</b>	
<input checked="" type="checkbox"/> Indicates that the listed condition, standard or equipment is applicable for this report. <input type="checkbox"/> Indicates that the listed condition, standard or equipment is not applicable for this report.	

## 6 General description of tested item and testing condition(s)

Description .....	Transceiver unit							
Model Number .....	Model J4A Type NZ2QH							
FCC ID .....	OQA-J4ANZ2QH							
Serial Number .....	--							
Brand name .....	Autec							
Frequency band .....	902 – 928 MHz							
Nominal frequencies .....	F <sub>L</sub> : 915,05 MHz	F <sub>M</sub> : 921,40 MHz			F <sub>H</sub> : 927,80 MHz			
Test power supply .....	Voltage and Frequency			Reference poles				
				N	L1	L2	L3	PE
	<input type="checkbox"/>	AC:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	AC:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	DC: 7,4 V from battery						<input type="checkbox"/>	
Pseudo randomly ordered list of hopping frequencies .....	See document j4a_nz2qh_operational_description-rev1							
Test configuration .....	<input type="checkbox"/>	Table top equipment						
	<input type="checkbox"/>	Floor standing equipment						
	<input checked="" type="checkbox"/>	Hand-held equipment						
Type of equipment .....	<input checked="" type="checkbox"/>	Transmitter unit						
	<input checked="" type="checkbox"/>	Receiver unit						
Type of station .....	<input checked="" type="checkbox"/>	Portable station						
	<input type="checkbox"/>	Mobile station						
Operating modes .....	No.	Operating mode of test item						
	1	EUT in continuous transmission at maximum power						
Accessories (not part of the test item) .....	Accessory			Type		Manufacturer		
	Transceiver unit			--		Autec		
Declination of responsibility .....	<p>Information relating to the description of the sample, components list and software/hardware version (if reported) are provided by the customer. CMC Centro Misura Compatibilità S.r.l. cannot be considered responsible for these information, for any other document sent by the customer and for any difference between the software version present in the tested sample and that present in the object intended for final sale.</p> <p>In some cases, the software in the tested sample is in a version dedicated exclusively to the test, and therefore does not represent the software installed in the final version of the product.</p>							

6.1 Photos of the test item





**7 Verdict summary section**

<b>FCC Rules &amp; Regulations, Title 47:2020</b>			
<b>Part 15 paragraph(s): 203, 204, 205, 207, 209, 215 and 247</b>			
<b>Clause</b>	<b>Requirement – Test case</b>	<b>Basic standard</b>	<b>Verdict</b>
Part 15.247 (a) (1)	Pseudo randomly ordered list of hopping frequencies	--	<b>P</b>
Part 15.203	Antenna requirements	ANSI C63.10	<b>P</b>
Part 15.207	Conducted emissions	ANSI C63.10	<b>N/A (+)</b>
Part 15.209	Radiated emissions and spurious emission	ANSI C63.10	<b>P</b>
Part 15.247	20 dB Bandwidth	ANSI C63.10	<b>P</b>
Part 15.247	Channel Separation	ANSI C63.10	<b>P</b>
Part 15.247	Number of Hopping Channel	ANSI C63.10	<b>P</b>
Part 15.247	Time of occupancy	ANSI C63.10	<b>P</b>
Part 15.247	Band edge	ANSI C63.10	<b>P</b>
Part 15.209 and 15.247	Peak Output Power	ANSI C63.10	<b>P</b>

(+) Devices which only employ battery power. See FCC Part 15.207 (c)



<b>Normative references</b>	
<b>Reference no.</b>	<b>Description</b>
FCC Rules and Regulation Title 47 part 15:2020	--
KDB 558074 D01 15.247 Meas Guidance v05r02	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
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

## 8 Test conditions

### 8.1 General

Environmental reference conditions.....:	The climatic conditions during the tests are within the limits specified by the manufacturer for the operation of the EUT and the test equipment.		
	The climatic conditions during the tests were within the following limits:		
	<b>Temperature</b>	<b>Humidity</b>	<b>Atmospheric pressure</b>
	15 °C – 35 °C	30 % - 60 %	800 hPa – 1060 hPa
	If explicitly required in the basic standard or applied product standard the climatic values are recorded and documented separately in this test report.		
Measurement uncertainties .....	Attachment 1		

## 9 Test results

### 9.1 Antenna requirements

Tested by .....	G. Gandini	
Test date .....	01.12.2021	
Reference standards .....	FCC Rules and Regulation; Titles 47 Part. 15.203 and 15.204	
Test specification .....	<p>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, 15.221, or § 15.236. 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</p>	
Antenna type.....	<input checked="" type="checkbox"/>	Integral antenna
	<input type="checkbox"/>	External antenna
Antenna gain.....	≤ 2 dBi	
External R.F. power amplifier .....	Not Present	

## 9.2 Emissions in restricted frequency bands and in unrestricted frequency bands

Tested by .....	G. Gandini	
Test date .....	01.12.2021	
Test location (stand) .....	Semi-anechoic chamber (CMC A070)	
Reference standards .....	FCC Rules and Regulation; Titles 47 Part. 15.209 ANSI C63.10 cl. 6.3, 6.4, 6.5 and 6.6	
Test set-up description .....	<input checked="" type="checkbox"/>	Table top equipment set-up (80 cm above the reference ground plane)
	<input type="checkbox"/>	Floor standing equipment set-up (insulating material up to 12 mm thick)
	<input type="checkbox"/>	False floor installation equipment set-up (insulating material up to 34 cm above the reference ground plane)
Supplementary test set-up description .....	--	
Test method applied .....	SAC with measurement distance [m]: 10 m at frequencies $\leq$ 1 GHz 3 m at frequencies $>$ 1 GHz	
Supplementary information .....	--	

### Acceptance limits

<b>Acceptance limits for emissions in restricted frequency bands (<math>f &lt; 1000</math> MHz)</b>		
Frequency range (MHz)	Test distance (m)	Limits [dB( $\mu$ V/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
960 to 1000	3	54

**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 and 110–490 kHz. Radiated emission limits in these two bands are based on measurements employing an average detector. The results have been extrapolated to the specified distance using an extrapolation factor

<b>Acceptance limits for emissions in restricted frequency bands (<math>f \geq 1000</math> MHz)</b>			
Frequency (MHz)	Test distance (m)	AV limits [dB( $\mu$ V/m)]	Peak limits [dB( $\mu$ V/m)]
$> 1000$	3	54	74

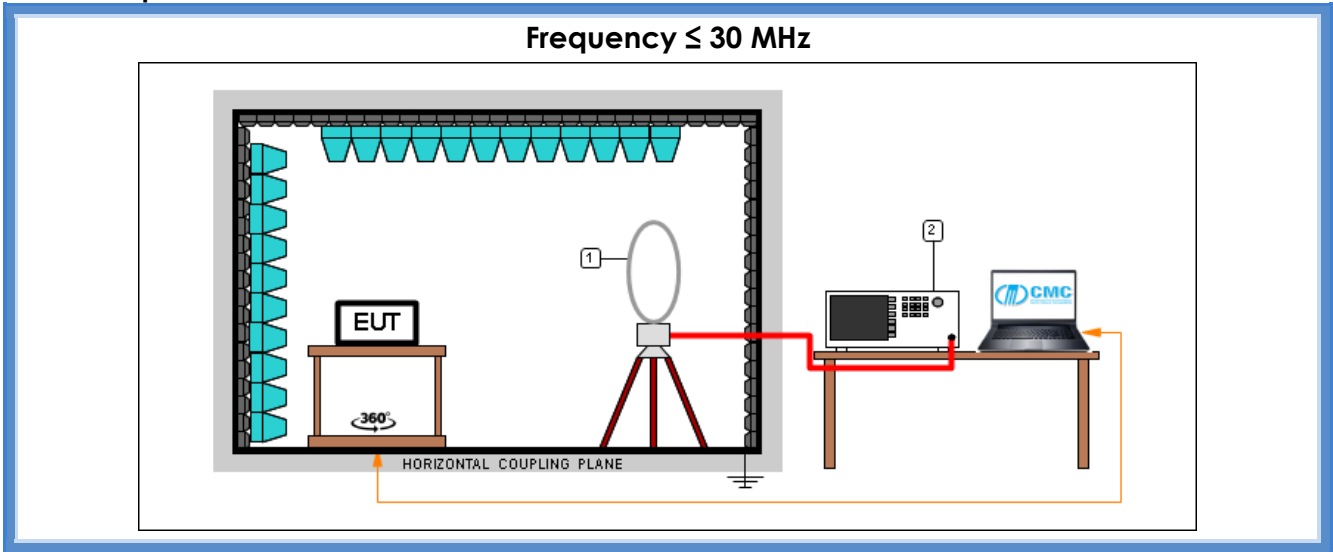
The restricted frequency bands are listed in the following table

<i>MHz</i>	<i>MHz</i>	<i>MHz</i>	<i>GHz</i>
0,090 – 0,110	16,42 – 16,423	399,9 – 410	4,5 – 5,15
0,495 – 0,505	16,69475 – 16,69525	608 – 614	5,35 – 5,46
2,1735 – 2,1905	16,80425 – 16,80475	960 – 1240	7,25 – 7,75
4,125 – 4,128	25,5 – 25,67	1300 – 1427	8,025 – 8,5
4,17725 – 4,17775	37,5 – 38,25	1435 – 1626,5	9,0 – 9,2
4,20725 – 4,20775	73 – 74,6	1645,5 – 1646,5	9,3 – 9,5
6,215 – 6,218	74,8 – 75,2	1660 – 1710	10,6 – 12,7
6,26775 – 6,26825	108 – 121,94	1718,8 – 1722,2	13,25 – 13,4
6,31175 – 6,31225	123 – 138	2200 – 2300	14,47 – 14,5
8,291 – 8,294	149,9 – 150,05	2310 – 2390	15,35 – 16,2
8,362 – 8,366	156,52475 – 156,52525	2483,5 – 2500	17,7 – 21,4
8,37625 – 8,38675	156,7 – 156,9	2690 – 2900	22,01 – 23,12
8,41425 – 8,41475	162,0125 – 167,17	3260 – 3267	23,6 – 24,0
12,29 – 12,293	167,72 – 173,2	3332 – 3339	31,2 – 31,8
12,51975 – 12,52025	240 – 285	3345,8 – 3358	36,43 – 36,5
12,57675 – 12,57725	322 – 335,4	3600 – 4400	Above 38,6
13,36 – 13,41			

**Acceptance limits for emissions in non-restricted frequency bands**

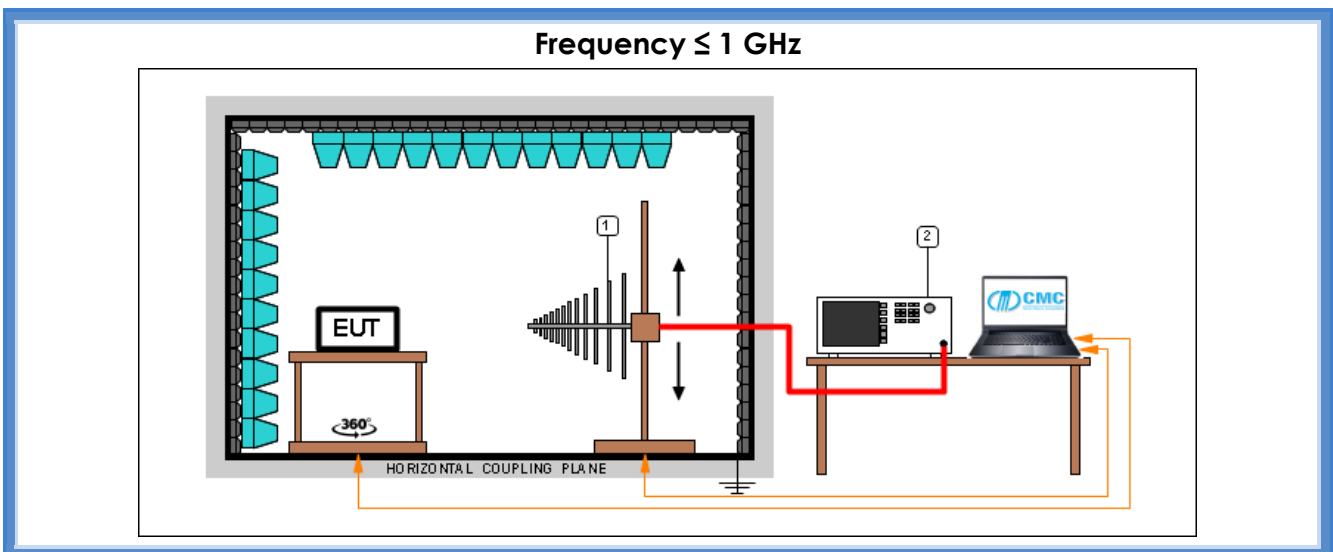
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits.

**Test setup**



*Test setup PE004\_01*

Nr.	Id. Number	Manufacturer	Model	Description
2	CMC S353	Rohde & Schwarz	ESW26	EMI Test Receiver 1 Hz - 26.5 GHz
1	CMC S127	Schaffner	HLA6120	Loop Antenna 9kHz - 30MHz



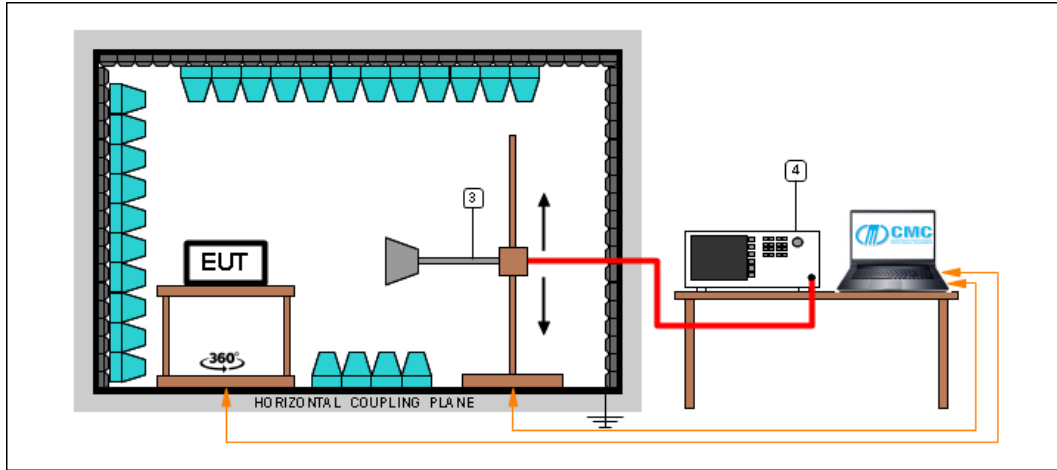
*Test setup PE004\_02*

Nr.	Id. Number	Manufacturer	Model	Description
2	CMC S353	Rohde & Schwarz	ESW26	EMI Test Receiver 1 Hz - 26.5 GHz
1	CMC S271	Schwarzbeck	BBA 9106 + VHBB 9124	Broadband Antenna

*Test setup PE004\_03*

Nr.	Id. Number	Manufacturer	Model	Description
2	CMC S353	Rohde & Schwarz	ESW26	EMI Test Receiver 1 Hz - 26.5 GHz
1	CMC S287	Schwarzbeck	VUSLP 9111B	Broadband Antenna

Frequency > 1 GHz



Test setup PE004\_04

Nr.	Id. Number	Manufacturer	Model	Description
4	CMC S353	Rohde & Schwarz	ESW26	EMI Test Receiver 1 Hz - 26.5 GHz
3	CMC S108	Emco	3115	Waveguide antenna

Test setup PE004\_05

Nr.	Id. Number	Manufacturer	Model	Description
4	CMC S353	Rohde & Schwarz	ESW26	EMI Test Receiver 1 Hz - 26.5 GHz
3	CMC S290	Schwarzbeck	BBHA 9170	Horn Antenna (15-40 GHz)

## Result

Transmission channel (MHz)	Polarization	Frequency Range (MHz)	Graphs	Result
Worst case	H	30 – 300	G21256401	P
Worst case	V	30 – 300	G21256402	P
915,05	V	1000 – 10000	G21256403	P
915,05	H	1000 – 10000	G21256404	P
921,40	H	1000 – 10000	G21256405	P
921,40	V	1000 – 10000	G21256406	P
927,80	V	1000 – 10000	G21256407	P
927,80	H	1000 – 10000	G21256408	P
927,80	H	300 – 1000	G21256409	P
927,80	V	300 – 1000	G21256410	P
921,40	V	300 – 1000	G21256411	P
921,40	H	300 – 1000	G21256412	P
915,05	H	300 – 1000	G21256413	P
915,05	V	300 – 1000	G21256414	P
Worst case	Loop	0,009 – 30	G21256415	P

**Remarks:** 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. Measured values have been corrected with conversion factor  $40\log(\text{test distance}/10)$  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. Measured values have been corrected with conversion factor  $20\log(\text{test distance}/10)$  based on the measuring distance provided by the standard. Peaks above the limits are caused by the nominal transmitting frequencies

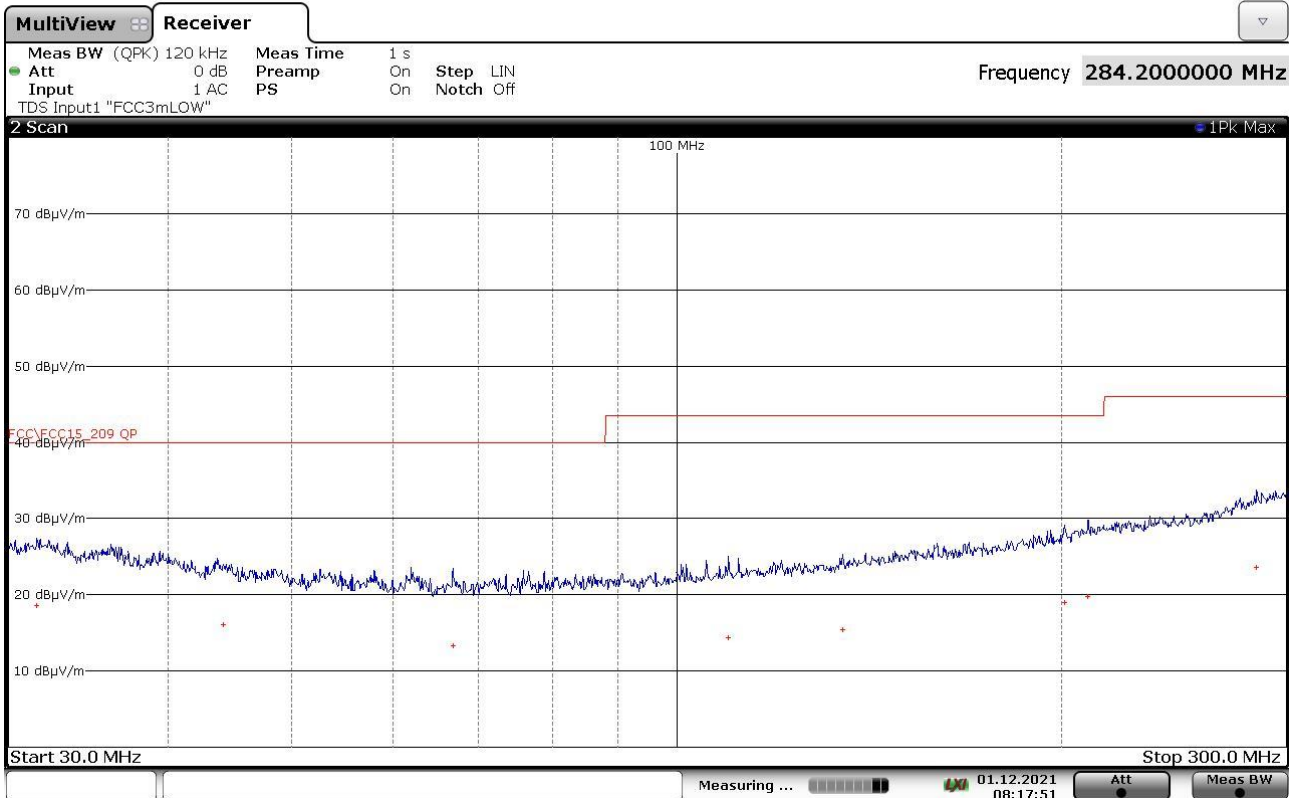
### Graphs Legend

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

Gandini 21256401

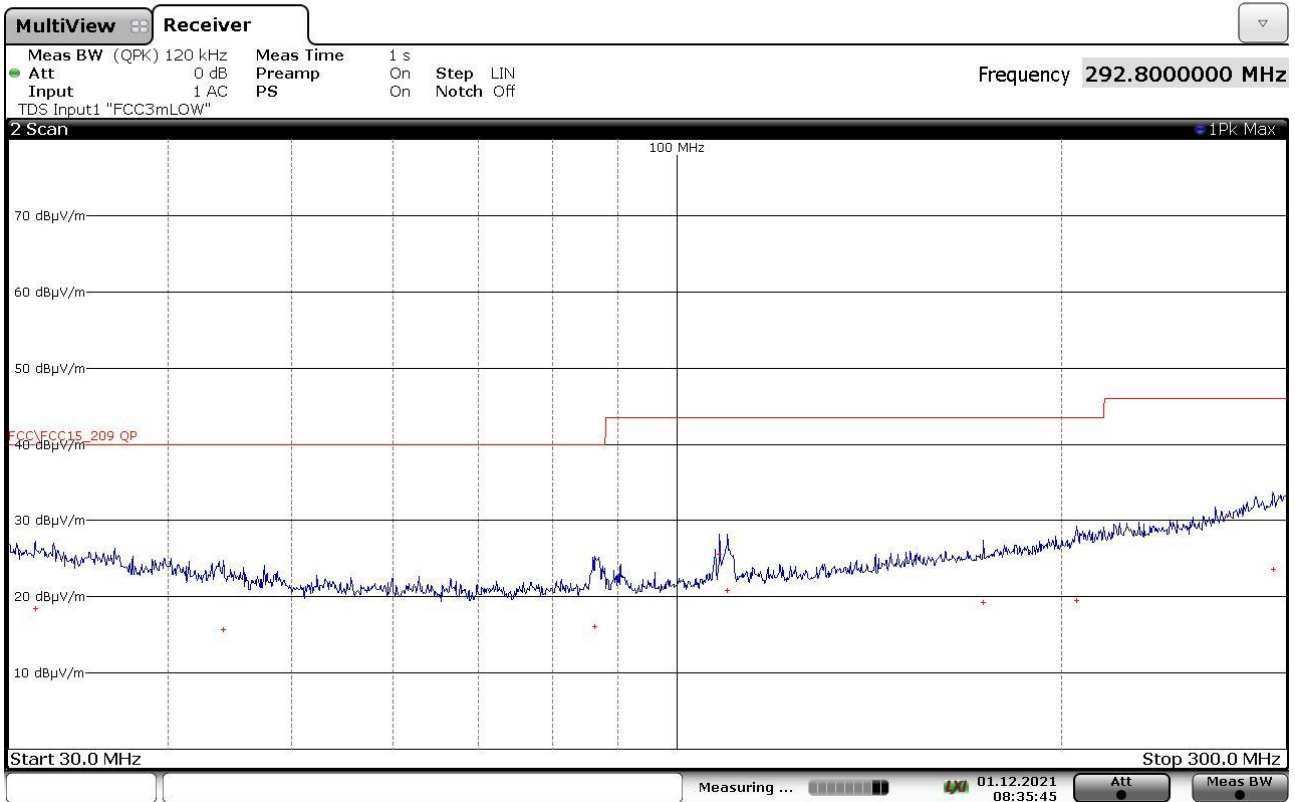


### FINAL RESULT TABLE

QUASI PEAK		
Freq Hz	Lev dBuV/m	Margin dB
31560000	+18,64	-21,36
44160000	+16,05	-23,95
66800000	+13,36	-26,64
109800000	+14,37	-29,15
134840000	+15,43	-28,09
201040000	+18,92	-24,60
209880000	+19,73	-23,79
284200000	+23,61	-22,41

21256401\_2

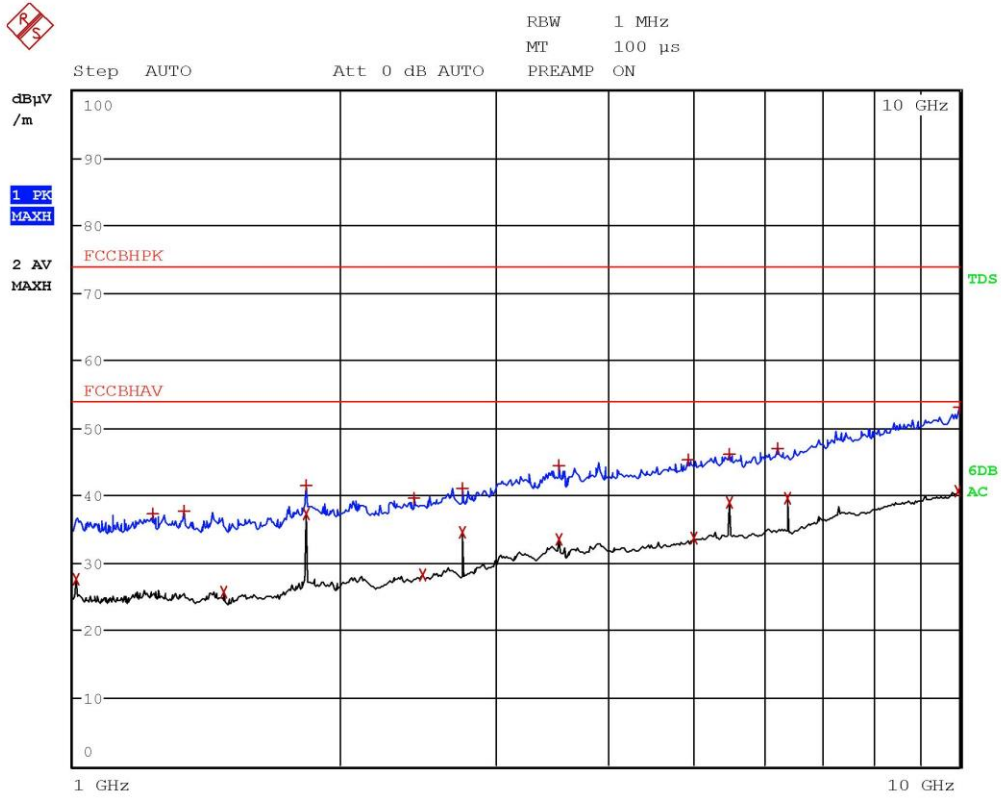
Gandini 21256402



FINAL RESULT TABLE

QUASI PEAK		
Freq Hz	Lev dBuV/m	Margin dB
31480000	+18,48	-21,52
44200000	+15,66	-24,34
86240000	+16,08	-23,92
108000000	+25,56	-17,96
109600000	+20,84	-22,68
173760000	+19,18	-24,34
205520000	+19,51	-24,01
292800000	+23,64	-22,38

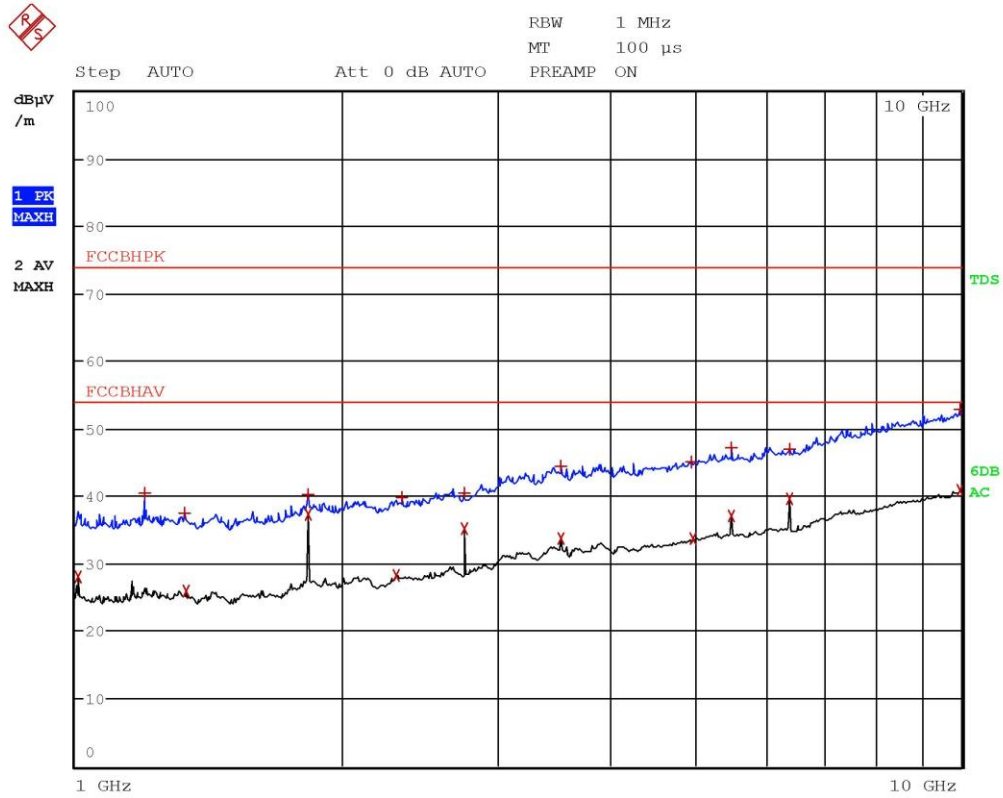
21256402\_2



Gandini 21256403

EDIT PEAK LIST (Prescan Results)			
Trace1:	FCCBHPK		
Trace2:	FCCBHAV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dB $\mu$ V/m	DELTA LIMIT dB
2 Average	1.0056 GHz	27.62	-26.35
1 Max Peak	1.228 GHz	37.25	-36.73
1 Max Peak	1.3308 GHz	37.66	-36.32
2 Average	1.476 GHz	25.73	-28.24
1 Max Peak	1.83 GHz	41.43	-32.54
2 Average	1.83 GHz	37.33	-16.65
1 Max Peak	2.428 GHz	39.60	-34.37
2 Average	2.4788 GHz	28.26	-25.71
2 Average	2.7452 GHz	34.60	-19.37
1 Max Peak	2.7452 GHz	40.98	-32.99
1 Max Peak	3.5356 GHz	44.39	-29.58
2 Average	3.5356 GHz	33.41	-20.56
1 Max Peak	4.9432 GHz	45.18	-28.79
2 Average	5.01 GHz	33.64	-20.33
2 Average	5.4904 GHz	39.04	-14.93
1 Max Peak	5.5004 GHz	46.17	-27.81
1 Max Peak	6.2268 GHz	46.99	-26.98
2 Average	6.4052 GHz	39.50	-14.47
2 Average	9.9512 GHz	40.73	-13.24
1 Max Peak	9.9888 GHz	53.09	-20.88

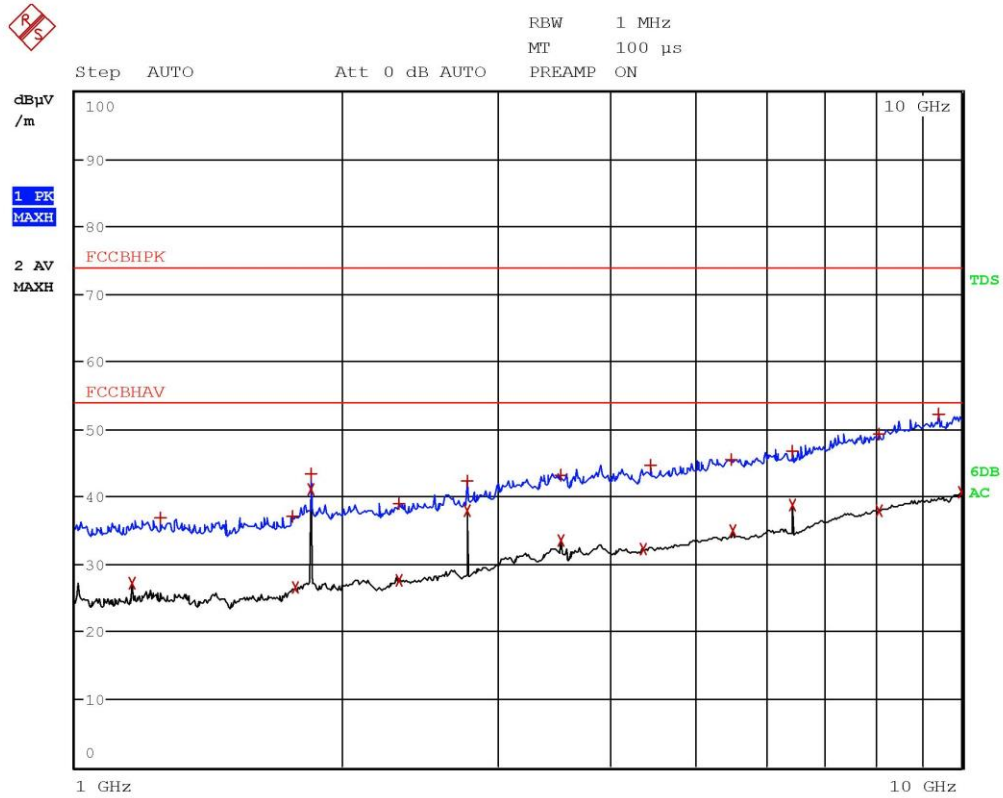
Gandini 21256403



Gandini 21256405

EDIT PEAK LIST (Prescan Results)			
Trace1:	FCCBHPK		
Trace2:	FCCBHAV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dB $\mu$ V/m	DELTA LIMIT dB
2 Average	1.0052 GHz	28.10	-25.87
1 Max Peak	1.1996 GHz	40.48	-33.50
1 Max Peak	1.3288 GHz	37.54	-36.43
2 Average	1.3312 GHz	26.02	-27.95
1 Max Peak	1.83 GHz	40.32	-33.65
2 Average	1.83 GHz	37.30	-16.67
2 Average	2.3032 GHz	28.31	-25.66
1 Max Peak	2.3376 GHz	39.84	-34.13
2 Average	2.7452 GHz	35.15	-18.82
1 Max Peak	2.7452 GHz	40.35	-33.62
1 Max Peak	3.5356 GHz	44.38	-29.59
2 Average	3.5356 GHz	33.70	-20.27
1 Max Peak	4.9616 GHz	45.13	-28.84
2 Average	4.9852 GHz	33.73	-20.25
2 Average	5.4904 GHz	37.12	-16.85
1 Max Peak	5.5032 GHz	47.08	-26.89
1 Max Peak	6.4052 GHz	46.88	-27.09
2 Average	6.4052 GHz	39.52	-14.45
1 Max Peak	9.9492 GHz	52.74	-21.23
2 Average	9.9564 GHz	40.81	-13.16

Gandini 21256405

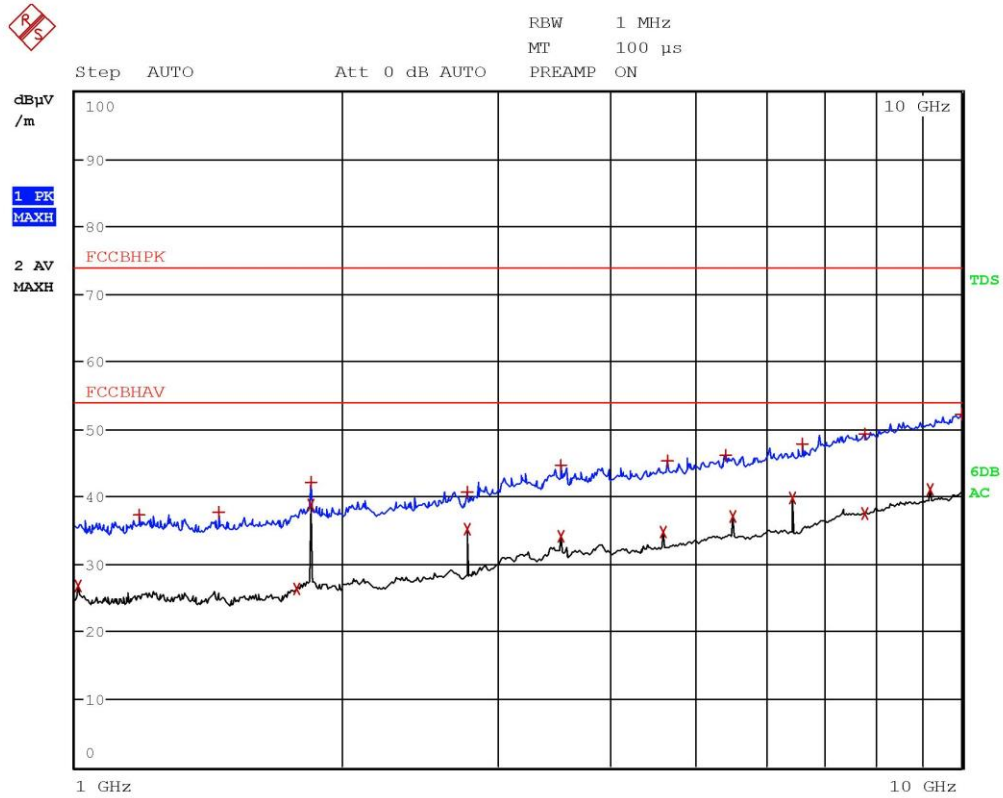


Gandini 21256405

EDIT PEAK LIST (Prescan Results)			
Trace1:	FCCBHPK		
Trace2:	FCCBHAV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dB $\mu$ V/m	DELTA LIMIT dB
2 Average	1.16 GHz	27.15	-26.82
1 Max Peak	1.2488 GHz	36.90	-37.07
1 Max Peak	1.7608 GHz	37.11	-36.86
2 Average	1.7732 GHz	26.50	-27.47
1 Max Peak	1.8428 GHz	43.32	-30.65
2 Average	1.8428 GHz	41.02	-12.95
2 Average	2.3196 GHz	27.52	-26.45
1 Max Peak	2.3212 GHz	38.97	-35.00
2 Average	2.764 GHz	37.81	-16.16
1 Max Peak	2.764 GHz	42.30	-31.67
1 Max Peak	3.5356 GHz	43.19	-30.78
2 Average	3.5356 GHz	33.42	-20.55
2 Average	4.3736 GHz	32.34	-21.63
1 Max Peak	4.4632 GHz	44.65	-29.32
1 Max Peak	5.5044 GHz	45.48	-28.50
2 Average	5.5284 GHz	34.97	-19.00
1 Max Peak	6.45 GHz	46.66	-27.31
2 Average	6.45 GHz	38.81	-15.16
1 Max Peak	8.0608 GHz	49.26	-24.71
2 Average	8.0756 GHz	38.02	-15.95

Gandini 21256405

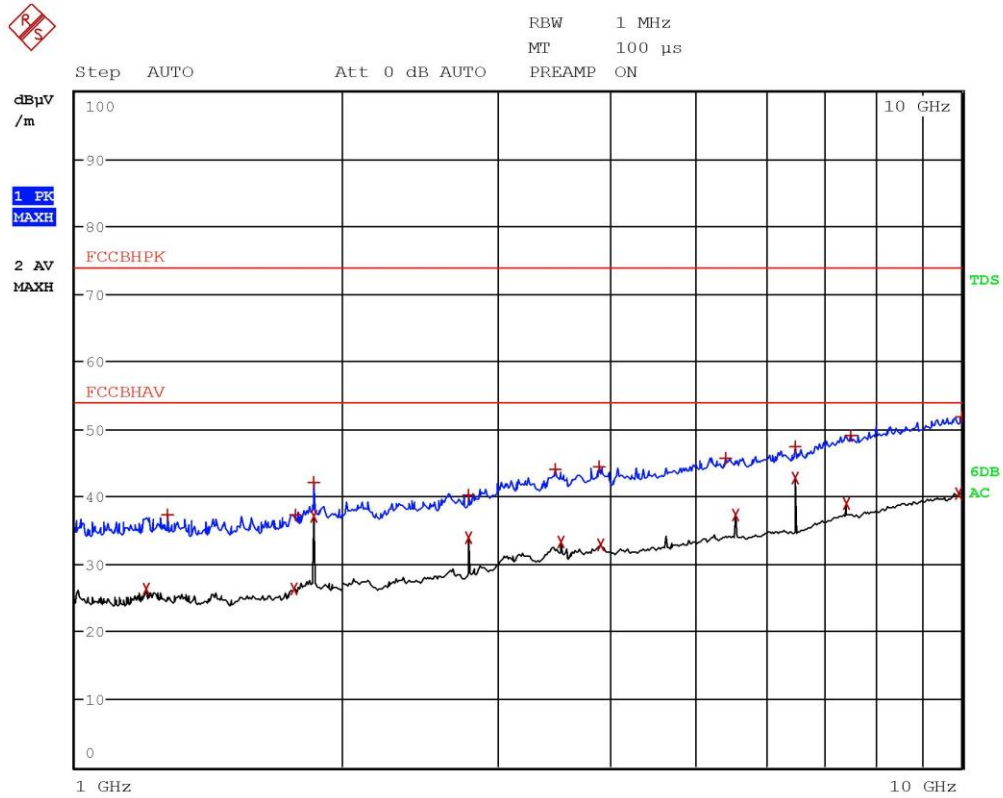




Gandini 21256406

EDIT PEAK LIST (Prescan Results)			
Trace1:	FCCBHPK		
Trace2:	FCCBHAV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV/m	DELTA LIMIT dB
2 Average	1.0056 GHz	26.74	-27.23
1 Max Peak	1.1792 GHz	37.37	-36.60
1 Max Peak	1.4508 GHz	37.61	-36.37
2 Average	1.7748 GHz	26.42	-27.55
1 Max Peak	1.8428 GHz	42.17	-31.80
2 Average	1.8428 GHz	38.72	-15.25
1 Max Peak	2.764 GHz	40.69	-33.28
2 Average	2.7644 GHz	35.10	-18.87
1 Max Peak	3.5356 GHz	44.73	-29.24
2 Average	3.5356 GHz	34.13	-19.84
2 Average	4.6068 GHz	34.70	-19.27
1 Max Peak	4.666 GHz	45.24	-28.73
1 Max Peak	5.426 GHz	46.15	-27.83
2 Average	5.5284 GHz	37.05	-16.92
2 Average	6.45 GHz	39.83	-14.14
1 Max Peak	6.616 GHz	47.81	-26.17
2 Average	7.778 GHz	37.45	-16.53
1 Max Peak	7.778 GHz	49.31	-24.66
2 Average	9.214 GHz	41.10	-12.87
1 Max Peak	9.994 GHz	52.27	-21.70

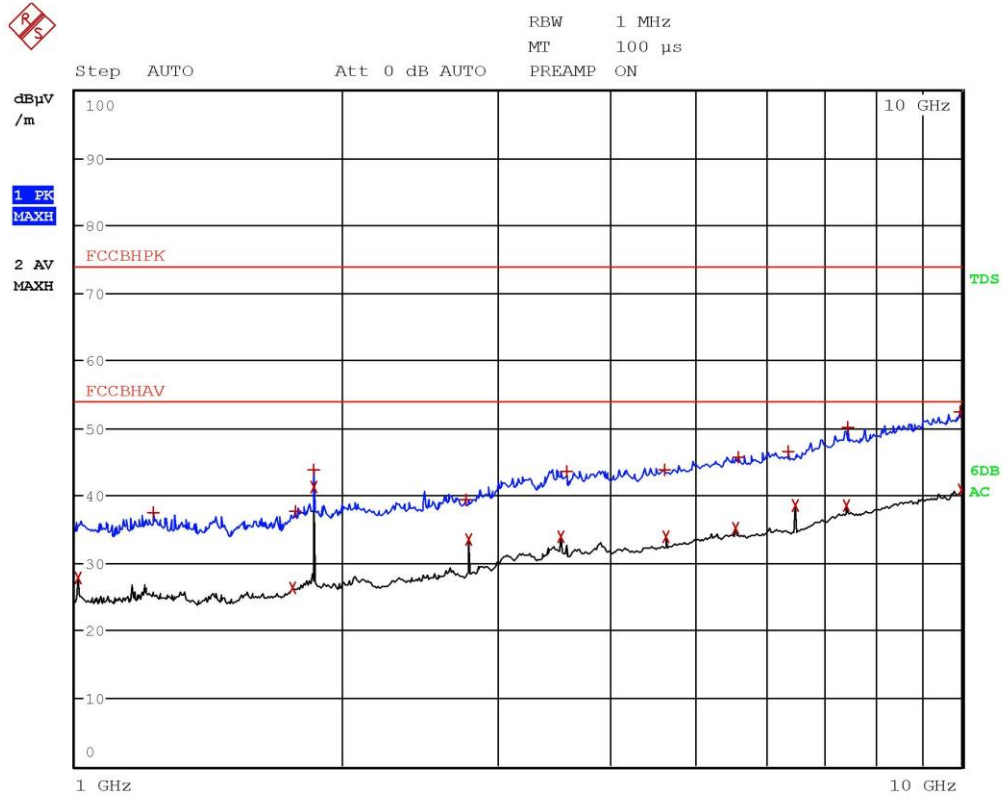
Gandini 21256406



Gandini 21256407

EDIT PEAK LIST (Prescan Results)			
Trace1:	FCCBHPK		
Trace2:	FCCBHAV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dB $\mu$ V/m	DELTA LIMIT dB
2 Average	1.2016 GHz	26.30	-27.67
1 Max Peak	1.2716 GHz	37.24	-36.73
2 Average	1.7636 GHz	26.31	-27.66
1 Max Peak	1.7744 GHz	37.33	-36.64
1 Max Peak	1.8556 GHz	42.20	-31.77
2 Average	1.8556 GHz	37.18	-16.79
2 Average	2.7836 GHz	33.85	-20.12
1 Max Peak	2.7836 GHz	40.13	-33.84
1 Max Peak	3.4776 GHz	43.95	-30.02
2 Average	3.5356 GHz	33.40	-20.57
1 Max Peak	3.8996 GHz	44.47	-29.50
2 Average	3.9124 GHz	32.81	-21.16
1 Max Peak	5.4176 GHz	45.69	-28.28
2 Average	5.5668 GHz	37.28	-16.69
1 Max Peak	6.4944 GHz	47.35	-26.62
2 Average	6.4944 GHz	42.84	-11.14
2 Average	7.4224 GHz	39.00	-14.97
1 Max Peak	7.4956 GHz	49.04	-24.93
2 Average	9.912 GHz	40.50	-13.47
1 Max Peak	9.984 GHz	51.78	-22.19

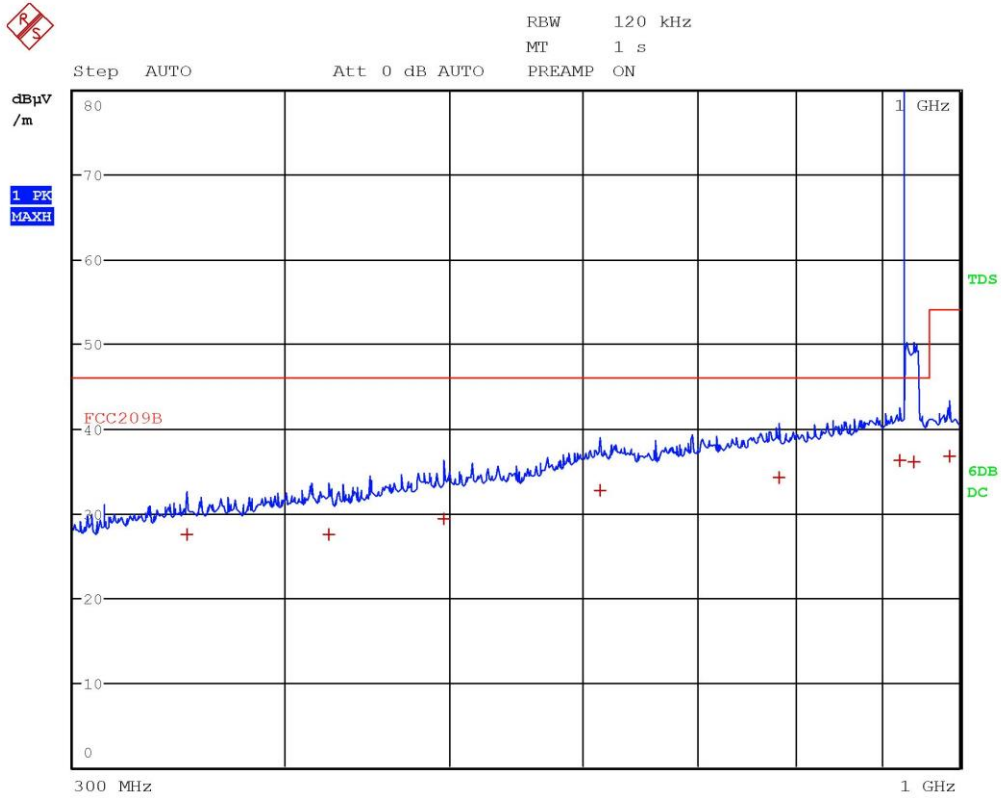
Gandini 21256407



Gandini 21256408

EDIT PEAK LIST (Prescan Results)			
Trace1:	FCCBHPK		
Trace2:	FCCBHAV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dB $\mu$ V/m	DELTA LIMIT dB
2 Average	1.0056 GHz	27.85	-26.12
1 Max Peak	1.2228 GHz	37.47	-36.50
2 Average	1.7612 GHz	26.26	-27.71
1 Max Peak	1.7716 GHz	37.72	-36.25
1 Max Peak	1.8556 GHz	43.82	-30.15
2 Average	1.8556 GHz	41.37	-12.60
1 Max Peak	2.762 GHz	39.29	-34.68
2 Average	2.7832 GHz	33.56	-20.41
2 Average	3.5356 GHz	33.86	-20.11
1 Max Peak	3.5964 GHz	43.52	-30.45
1 Max Peak	4.6284 GHz	43.80	-30.17
2 Average	4.6388 GHz	33.97	-20.00
2 Average	5.5668 GHz	35.09	-18.88
1 Max Peak	5.6044 GHz	45.65	-28.32
1 Max Peak	6.3796 GHz	46.60	-27.38
2 Average	6.4948 GHz	38.51	-15.46
2 Average	7.4224 GHz	38.54	-15.43
1 Max Peak	7.4348 GHz	50.03	-23.95
1 Max Peak	9.9612 GHz	52.36	-21.61
2 Average	9.9972 GHz	40.89	-13.08

Gandini 21256408

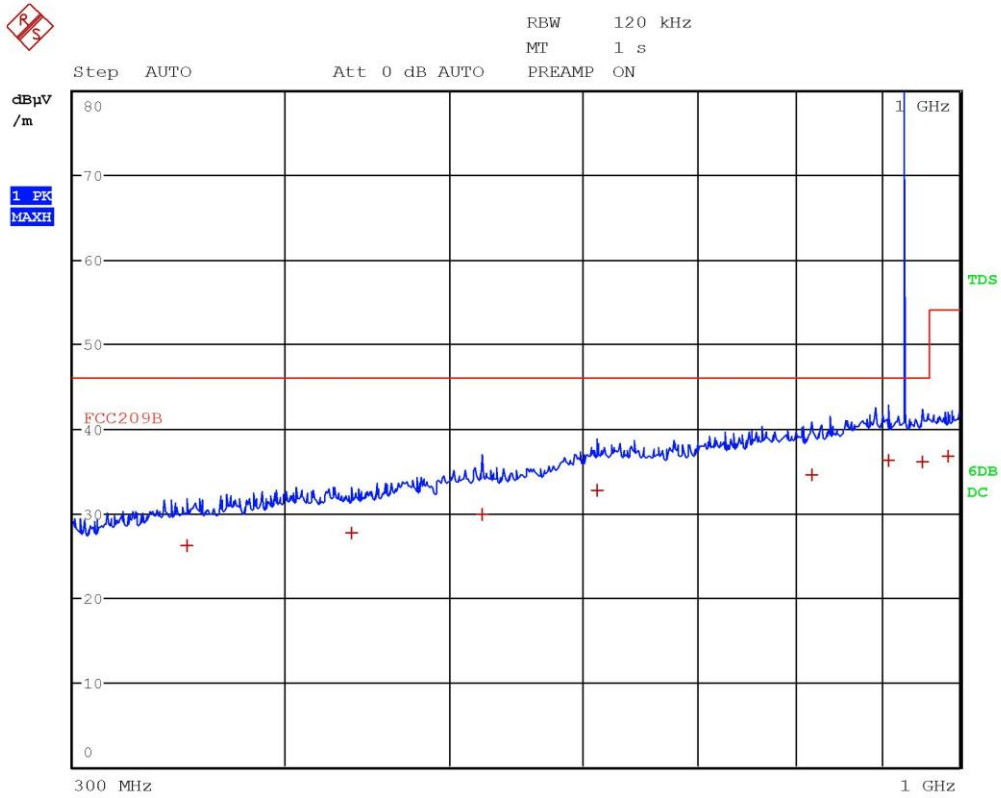


Gandini 21256409

EDIT PEAK LIST (Final Measurement Results)			
Trace1:	FCC209B		
Trace2:	---		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dB $\mu$ V/m	DELTA LIMIT dB
1 Quasi Peak	349.96 MHz	27.48	-18.53
1 Quasi Peak	424.64 MHz	27.46	-18.56
1 Quasi Peak	496.2 MHz	29.40	-16.61
1 Quasi Peak	613.6 MHz	32.70	-13.31
1 Quasi Peak	783.36 MHz	34.28	-11.73
1 Quasi Peak	921.6 MHz	36.19	-9.82
1 Quasi Peak	940.8 MHz	36.07	-9.94
1 Quasi Peak	987.32 MHz	36.64	-17.33

Gandini 21256409

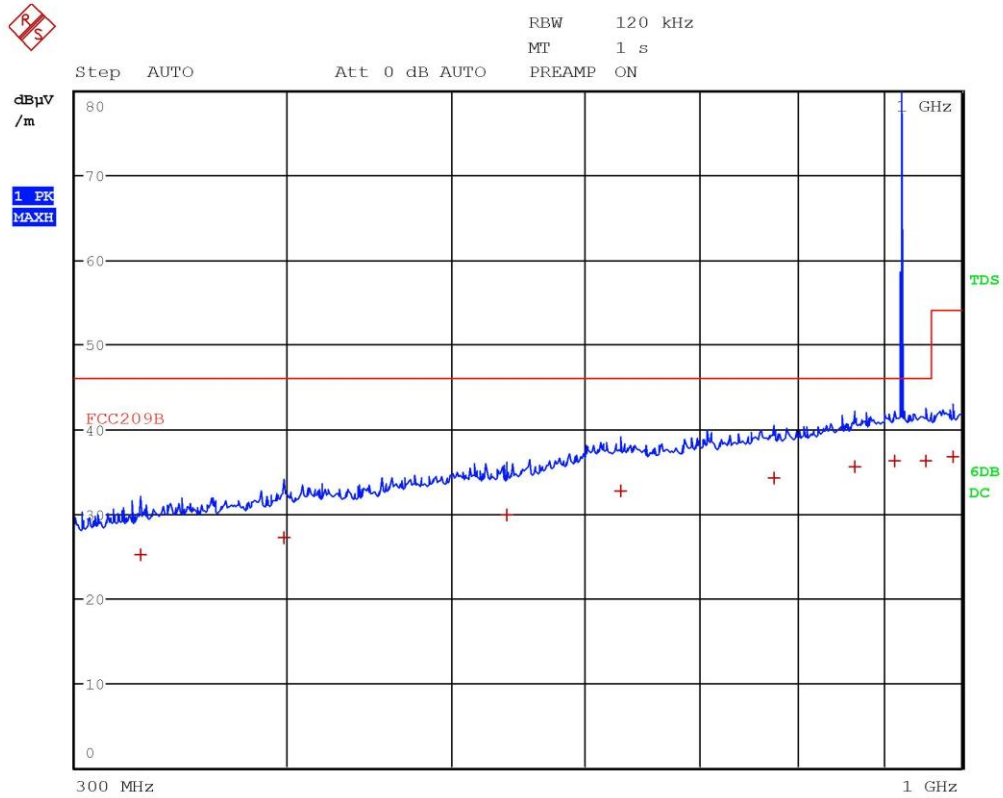




Gandini 21256410

EDIT PEAK LIST (Final Measurement Results)			
Trace1:	FCC209B		
Trace2:	---		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dB $\mu$ V/m	DELTA LIMIT dB
1 Quasi Peak	350.36 MHz	26.12	-19.89
1 Quasi Peak	437.72 MHz	27.58	-18.43
1 Quasi Peak	523.36 MHz	29.87	-16.14
1 Quasi Peak	610.84 MHz	32.60	-13.41
1 Quasi Peak	818.04 MHz	34.46	-11.55
1 Quasi Peak	908.2 MHz	36.15	-9.86
1 Quasi Peak	951.08 MHz	36.12	-9.89
1 Quasi Peak	984.36 MHz	36.73	-17.24

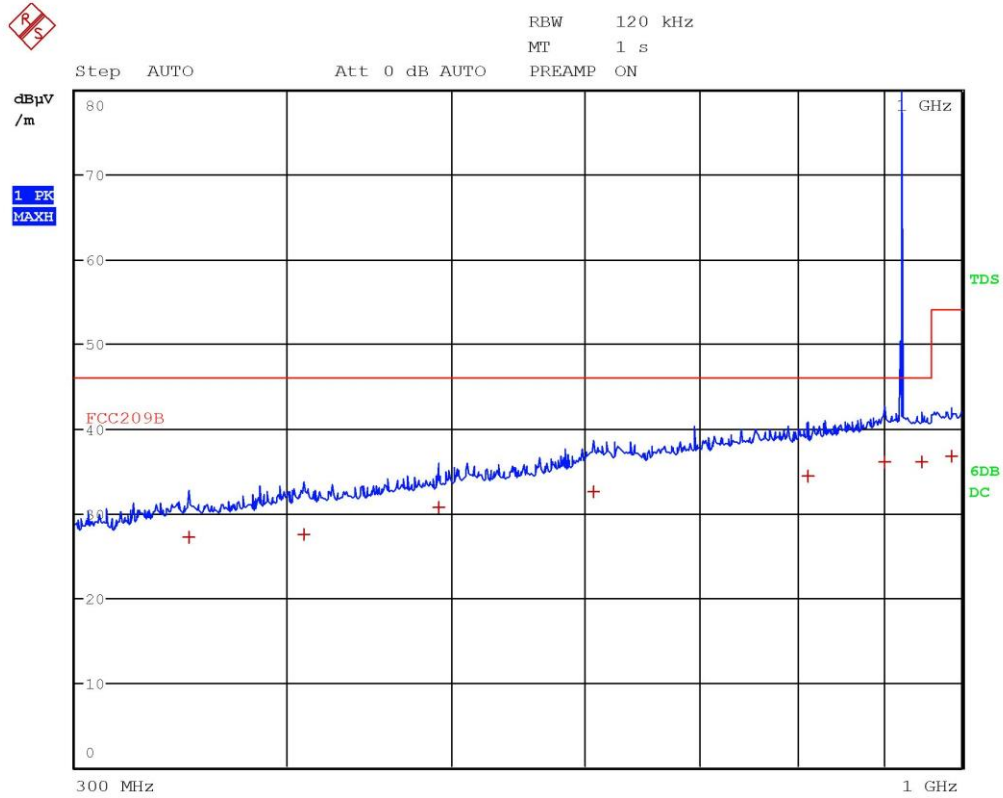
Gandini 21256410



Gandini 21256411

EDIT PEAK LIST (Final Measurement Results)			
Trace1:	FCC209B		
Trace2:	---		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
1 Quasi Peak	327.68 MHz	25.16	-20.85
1 Quasi Peak	398.52 MHz	27.19	-18.82
1 Quasi Peak	539.08 MHz	29.83	-16.19
1 Quasi Peak	629.24 MHz	32.74	-13.27
1 Quasi Peak	775.4 MHz	34.21	-11.80
1 Quasi Peak	865.12 MHz	35.53	-10.48
1 Quasi Peak	912.64 MHz	36.19	-9.82
1 Quasi Peak	951.96 MHz	36.20	-9.81
1 Quasi Peak	988.76 MHz	36.66	-17.32

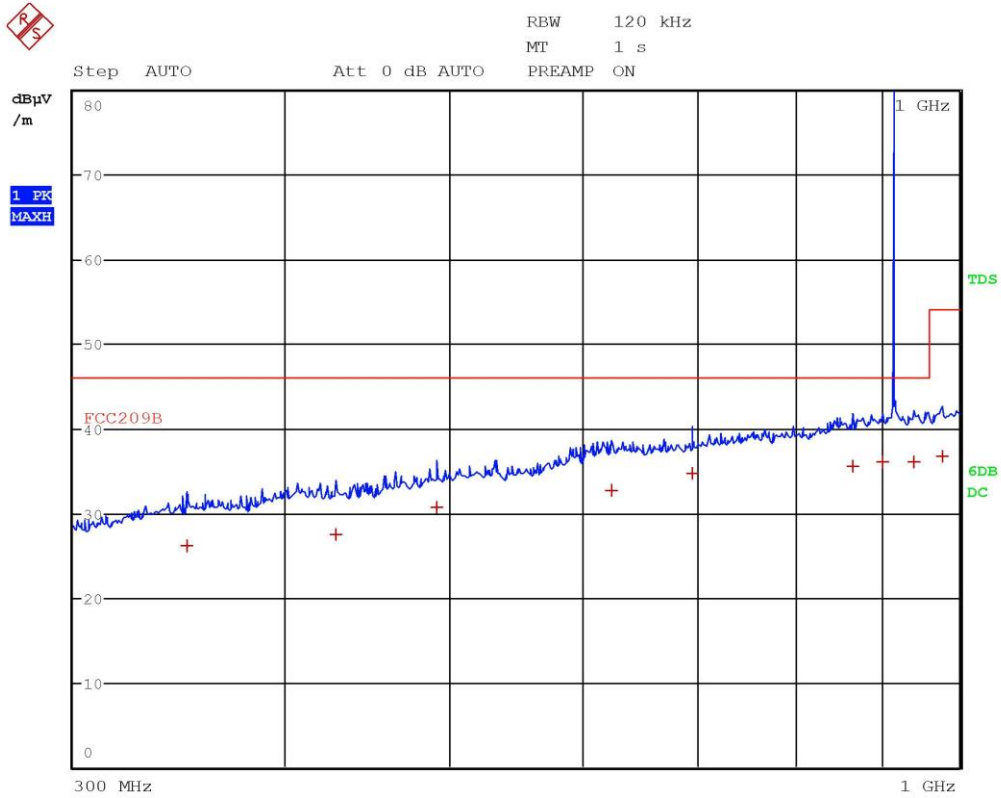
Gandini 21256411



Gandini 21256412

EDIT PEAK LIST (Final Measurement Results)			
Trace1:	FCC209B		
Trace2:	---		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV/m	DELTA LIMIT dB
1 Quasi Peak	349.96 MHz	27.15	-18.86
1 Quasi Peak	409.52 MHz	27.53	-18.48
1 Quasi Peak	492 MHz	30.73	-15.28
1 Quasi Peak	606.8 MHz	32.52	-13.49
1 Quasi Peak	812.36 MHz	34.44	-11.57
1 Quasi Peak	900.48 MHz	36.02	-9.99
1 Quasi Peak	947.28 MHz	36.05	-9.96
1 Quasi Peak	987.12 MHz	36.78	-17.19

Gandini 21256412

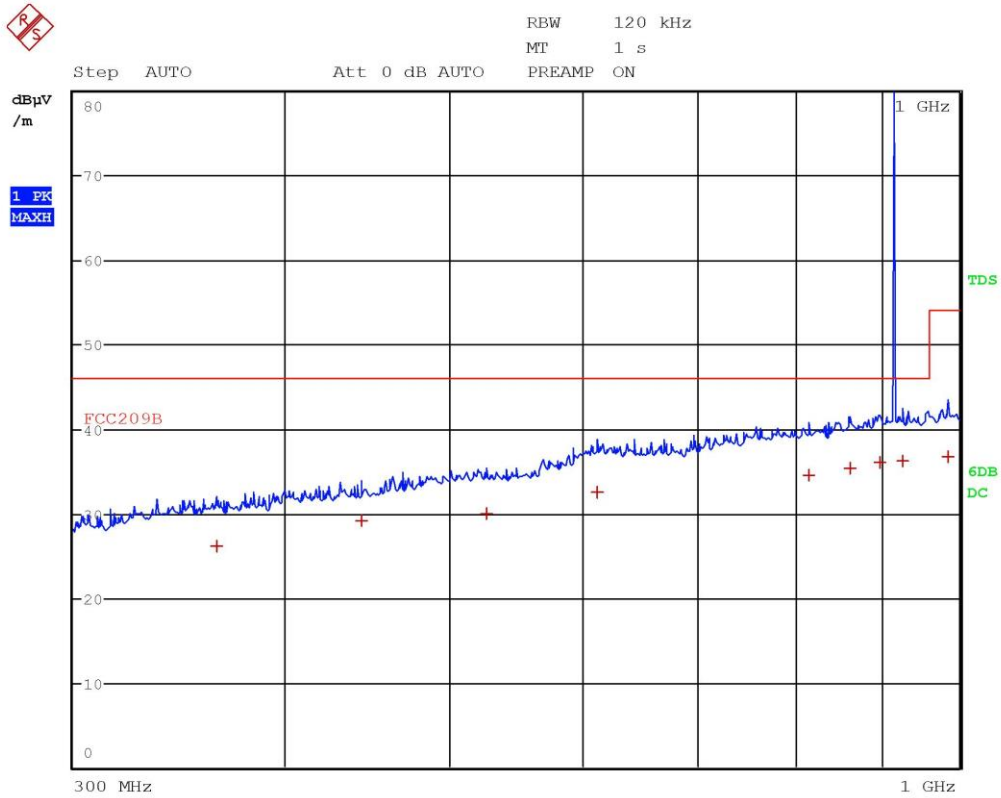


Gandini 21256413

EDIT PEAK LIST (Final Measurement Results)			
Trace1:	FCC209B		
Trace2:	---		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dB $\mu$ V/m	DELTA LIMIT dB
1 Quasi Peak	350.04 MHz	26.09	-19.93
1 Quasi Peak	428.52 MHz	27.49	-18.52
1 Quasi Peak	492 MHz	30.68	-15.33
1 Quasi Peak	623.56 MHz	32.71	-13.31
1 Quasi Peak	696.16 MHz	34.75	-11.27
1 Quasi Peak	865.8 MHz	35.46	-10.55
1 Quasi Peak	901.88 MHz	36.11	-9.91
1 Quasi Peak	939.76 MHz	36.13	-9.88
1 Quasi Peak	976.64 MHz	36.68	-17.29

Gandini 21256413

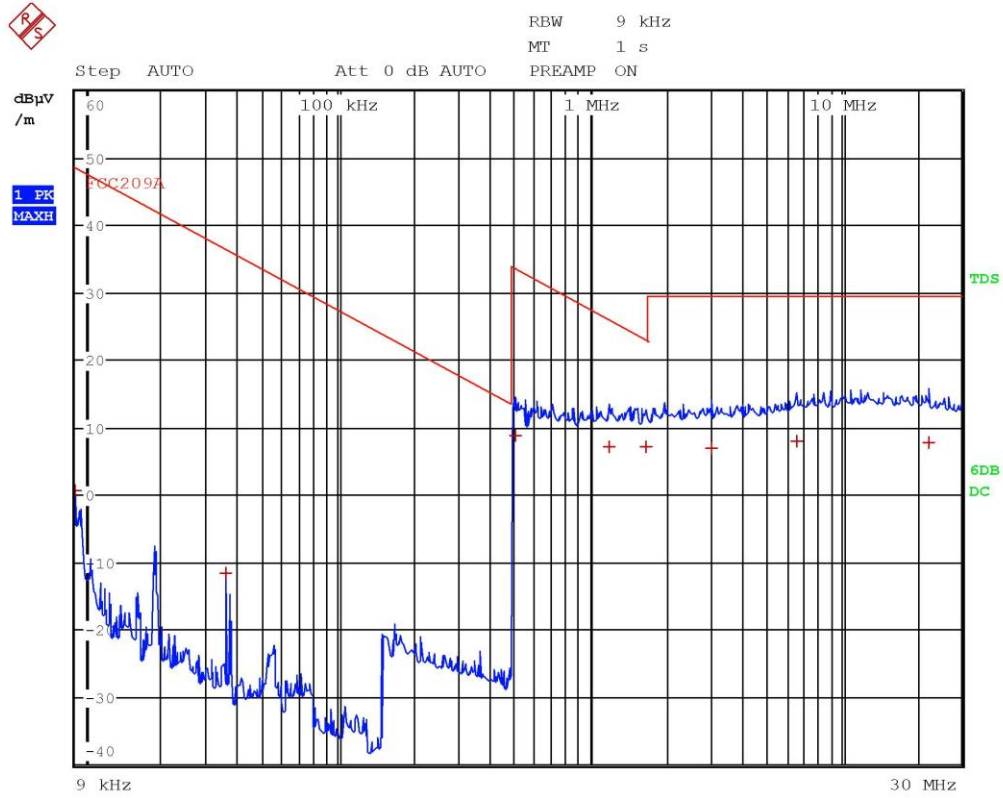




Gandini 21256414

EDIT PEAK LIST (Final Measurement Results)			
Trace1:	FCC209B		
Trace2:	---		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBµV/m	DELTA LIMIT dB
1 Quasi Peak	364.6 MHz	26.10	-19.91
1 Quasi Peak	444 MHz	29.07	-16.94
1 Quasi Peak	525.68 MHz	29.92	-16.09
1 Quasi Peak	611.36 MHz	32.54	-13.47
1 Quasi Peak	815.16 MHz	34.50	-11.51
1 Quasi Peak	861.12 MHz	35.36	-10.65
1 Quasi Peak	897.04 MHz	36.05	-9.96
1 Quasi Peak	926.36 MHz	36.19	-9.82
1 Quasi Peak	985.24 MHz	36.73	-17.24

Gandini 21256414



Gandini 21256415

Date: 16.DEC.2021 19:56:43

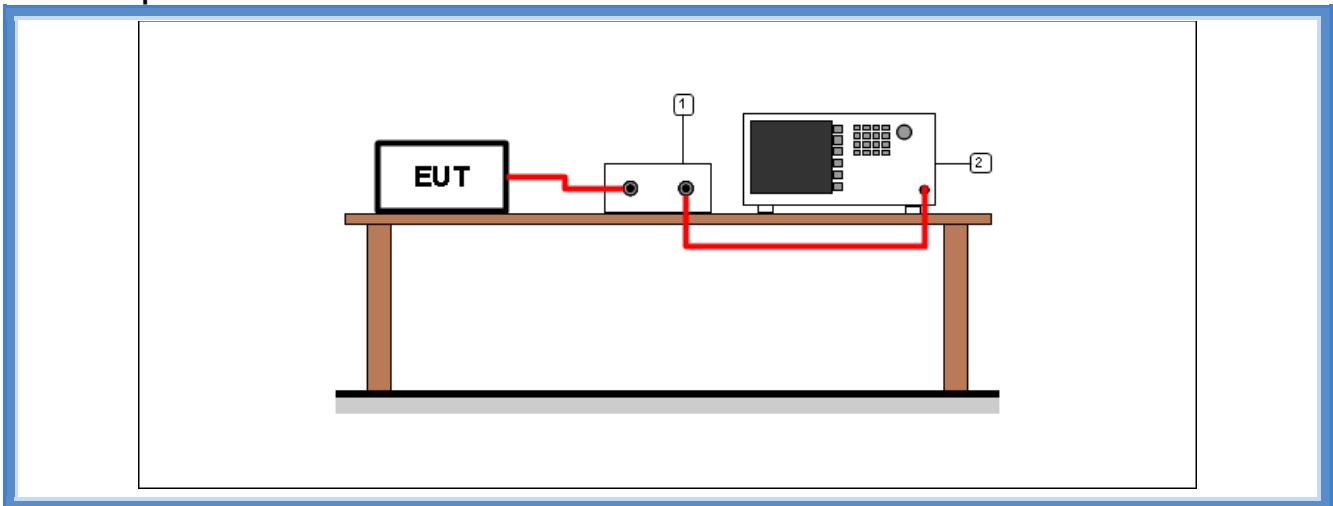
EDIT PEAK LIST (Final Measurement Results)			
Trace1:	FCC209A		
Trace2:	---		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dB $\mu$ V/m	DELTA LIMIT dB
1 Quasi Peak	9 kHz	0.66	-47.85
1 Quasi Peak	35.56 kHz	-11.55	-48.14
1 Quasi Peak	502 kHz	8.83	-24.75
1 Quasi Peak	1.186 MHz	7.16	-18.95
1 Quasi Peak	1.67 MHz	7.17	-15.97
1 Quasi Peak	3.046 MHz	6.85	-22.68
1 Quasi Peak	6.654 MHz	8.06	-21.47
1 Quasi Peak	22.238 MHz	7.89	-21.64

Gandini 21256415

### 9.3 20 dB bandwidth

Tested by .....	G. Gandini
Test date .....	05.04.2022
Test location (stand) .....	Laboratory
Reference standards .....	FCC Rules and Regulation; Titles 47 Part. 15.215 (c) ANSI C63.10 cl. 7.8.7
Supplementary test set-up description .....	--
Supplementary information.....	--

### Test setup



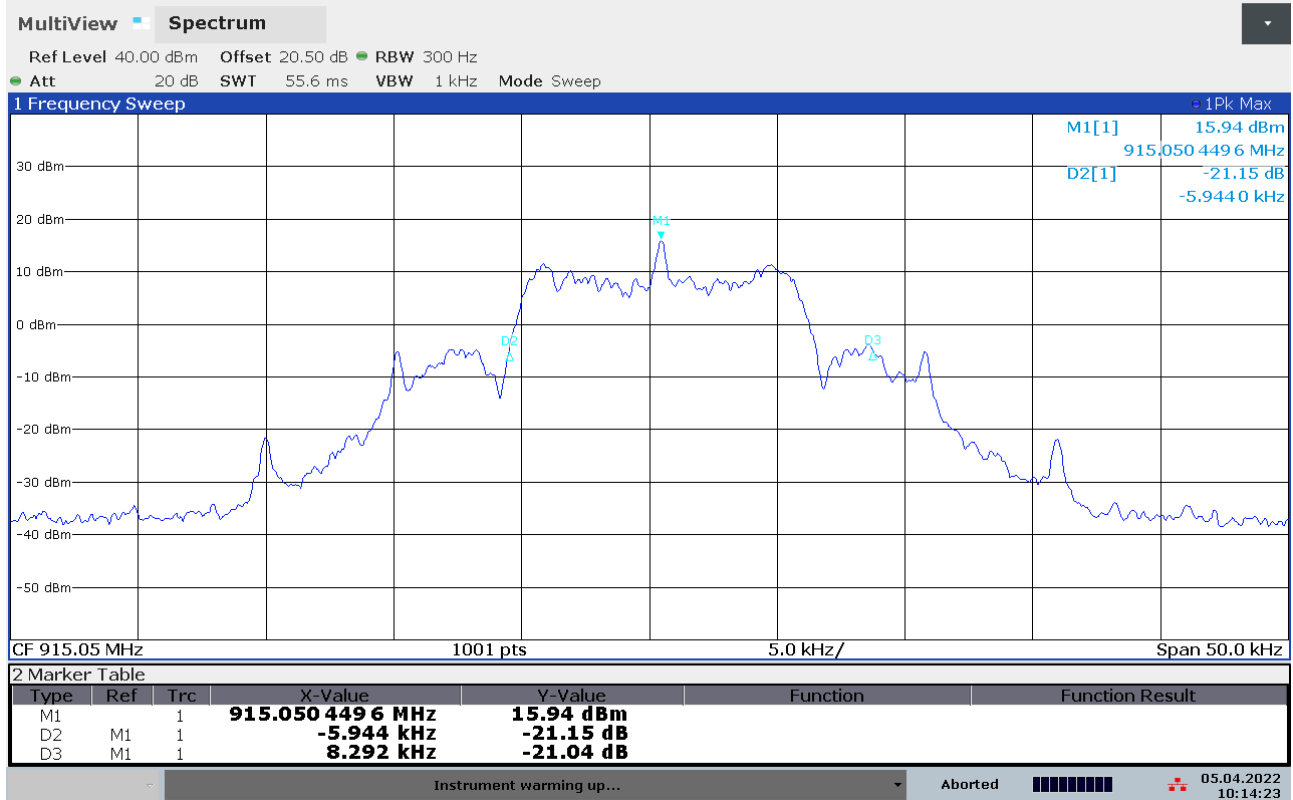
Test setup PR002_01				
Nr.	Id. Number	Manufacturer	Model	Description
2	CMC S295	Rohde & Schwarz	FSW43	Spectrum Analyzer 43GHz
1	--	--	--	Cable + attenuator (calibrated before the test)

### Result

Frequency (MHz)	Graphs	20 dB bandwidth (kHz)
915,05	G21256416	14,240
921,40	G21256421	16,384
927,80	G21256425	14,486

## Graphs

Gandini 21256416



Gandini 21256421



Gandini 21256425



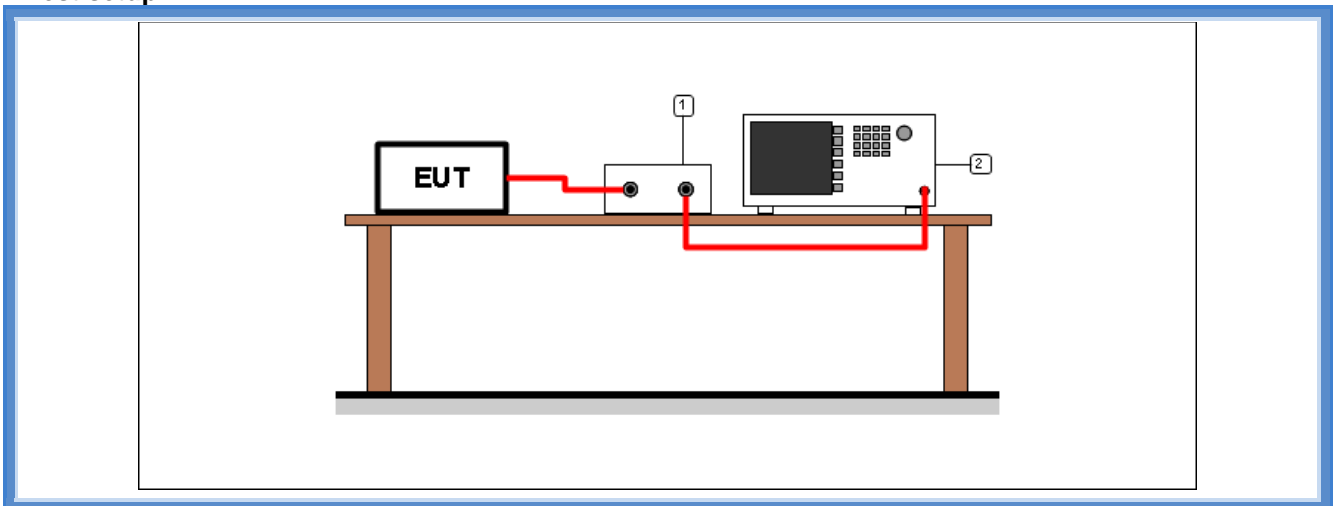
#### 9.4 Channel separation

Tested by .....	G. Gandini
Test date .....	05.04.2022
Test location (stand) .....	Laboratory
Reference standards .....	FCC Rules and Regulation; Titles 47 Part. 15.247 KDB 558074 D01 15.247 Meas Guidance v05r02 cl. 9 b) ANSI C63.10 cl. 7.8.2
Supplementary test set-up description .....	--
Supplementary information.....	--

#### Acceptance limits

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400–2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW. The system shall hop to channel frequencies that are selected at the system hopping rate from a pseudo randomly ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.

#### Test setup



Test setup PR002\_01

Nr.	Id. Number	Manufacturer	Model	Description
2	CMC S295	Rohde & Schwarz	FSW43	Spectrum Analyzer 43GHz
1	--	--	--	Cable + attenuator (calibrated before the test)

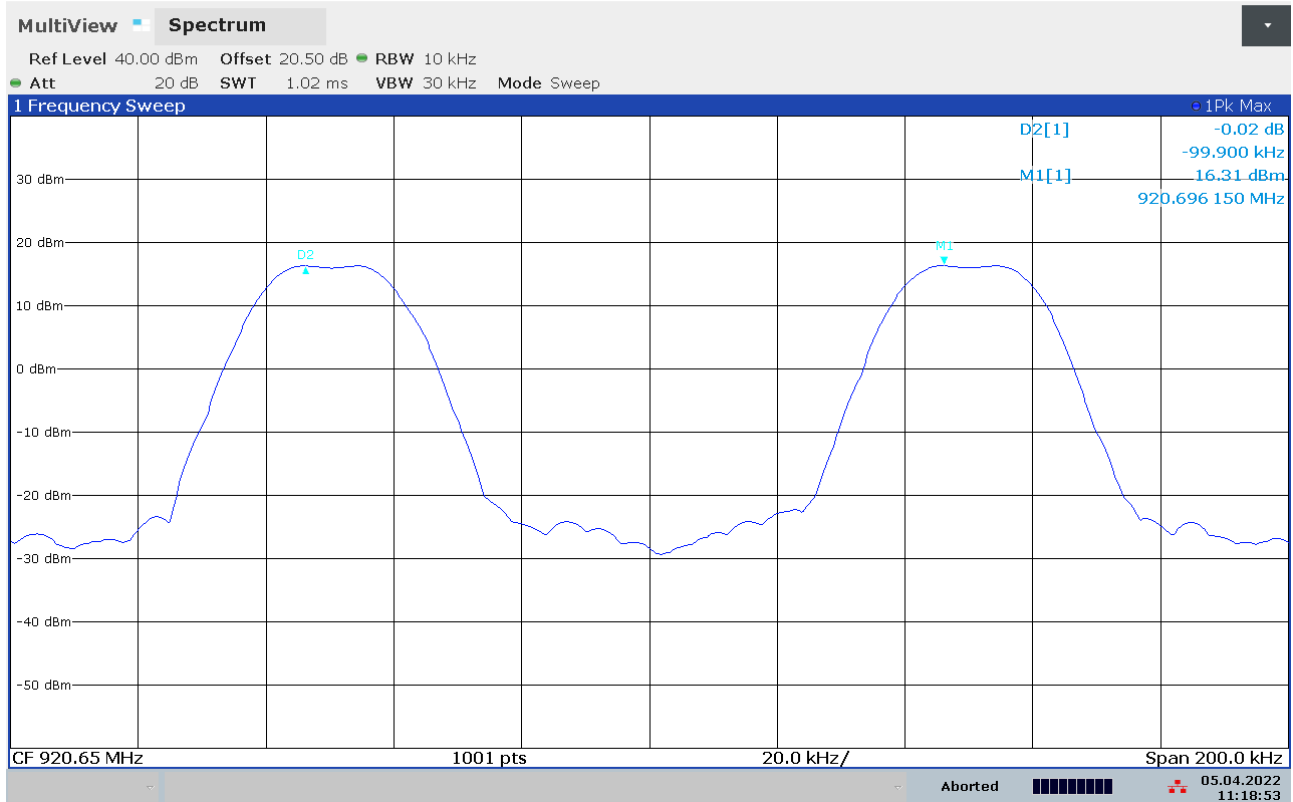


**Result**

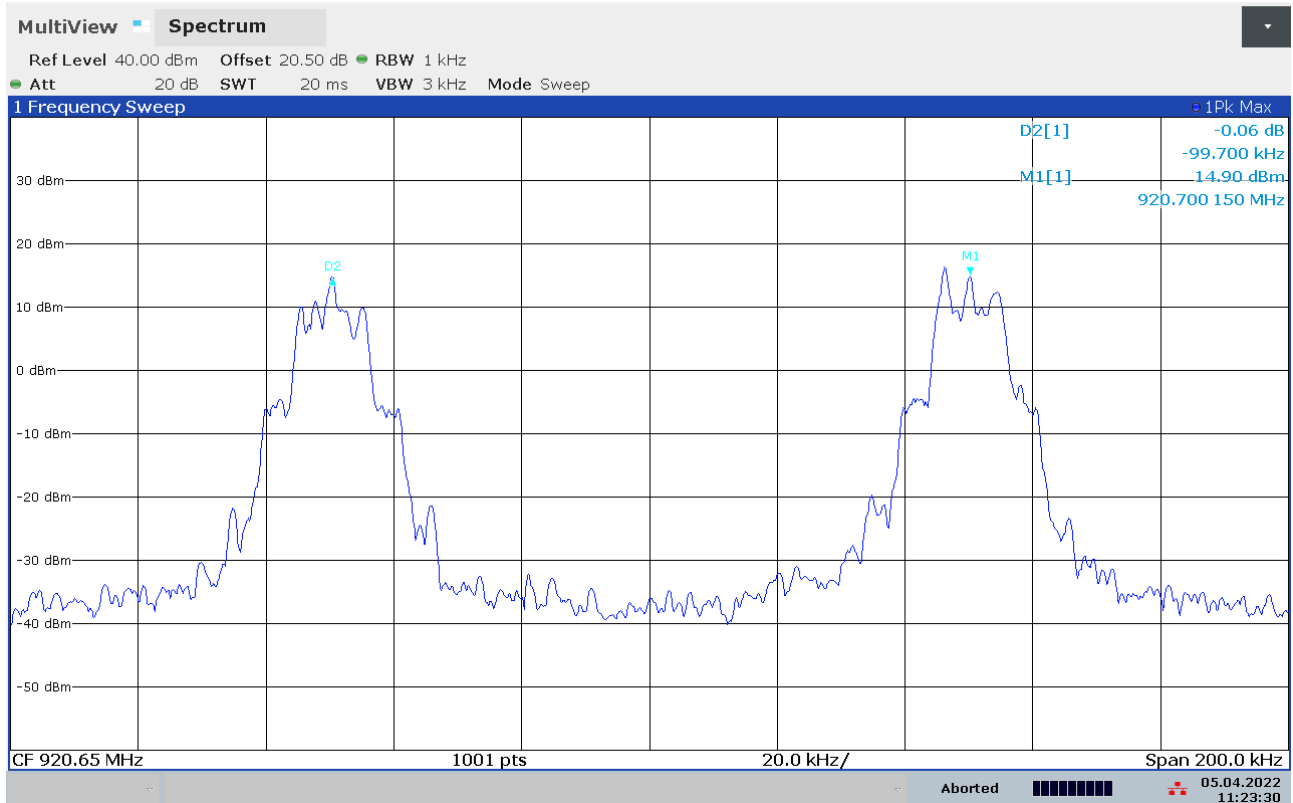
<i>Frequency band (MHz)</i>	<i>Graphs</i>	<i>Channel separation (kHz)</i>	<i>Minimum channel separation required (kHz)</i>	<i>Results</i>
902 – 928	G21256438 G21256439	99,9	25	Complies

## Graphs

Gandini 21256438



Gandini 21256439



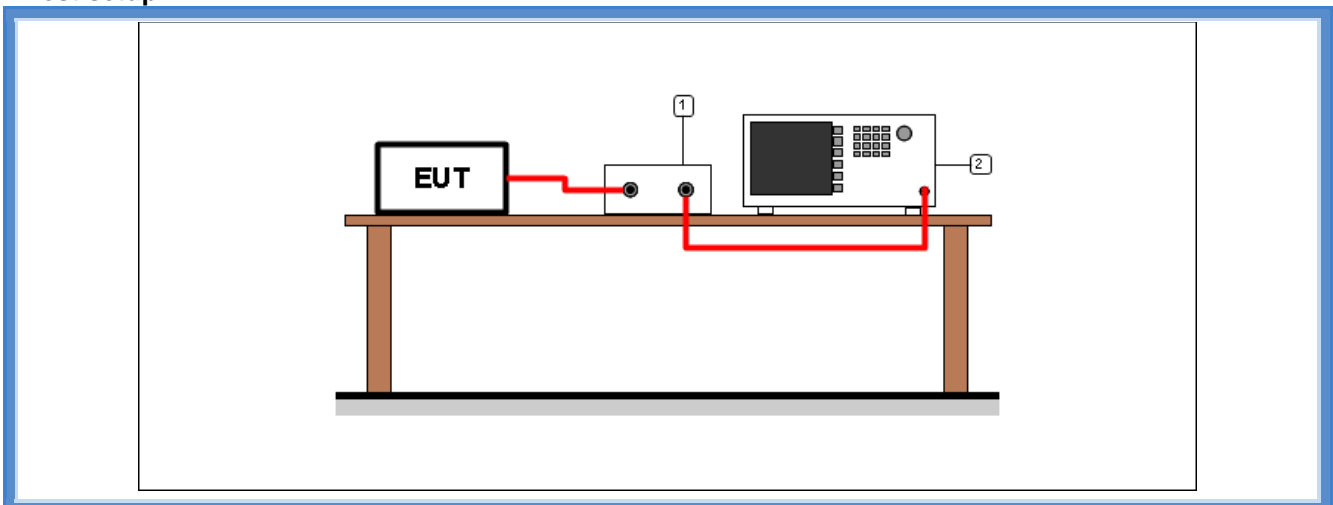
## 9.5 Number of hopping channels

Tested by .....	G. Gandini
Test date .....	05.04.2022
Test location (stand) .....	Laboratory
Reference standards .....	FCC Rules and Regulation; Titles 47 Part. 15.247 KDB 558074 D01 15.247 Meas Guidance v05r02 cl. 9 b) ANSI C63.10 cl. 7.8.3
Supplementary test set-up description .....	--
Supplementary information.....	--

### Acceptance limits

For frequency hopping systems operating in the 902 – 928 MHz band: if the 20 dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0,4 seconds within a 20 second period; if the 20 dB bandwidth of the hopping channel is 250 kHz or greater, the system shall use at least 25 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0,4 seconds within a 10 second period. The maximum allowed 20 dB bandwidth of the hopping channel is 500 kHz.

### Test setup



Test setup PR002\_01

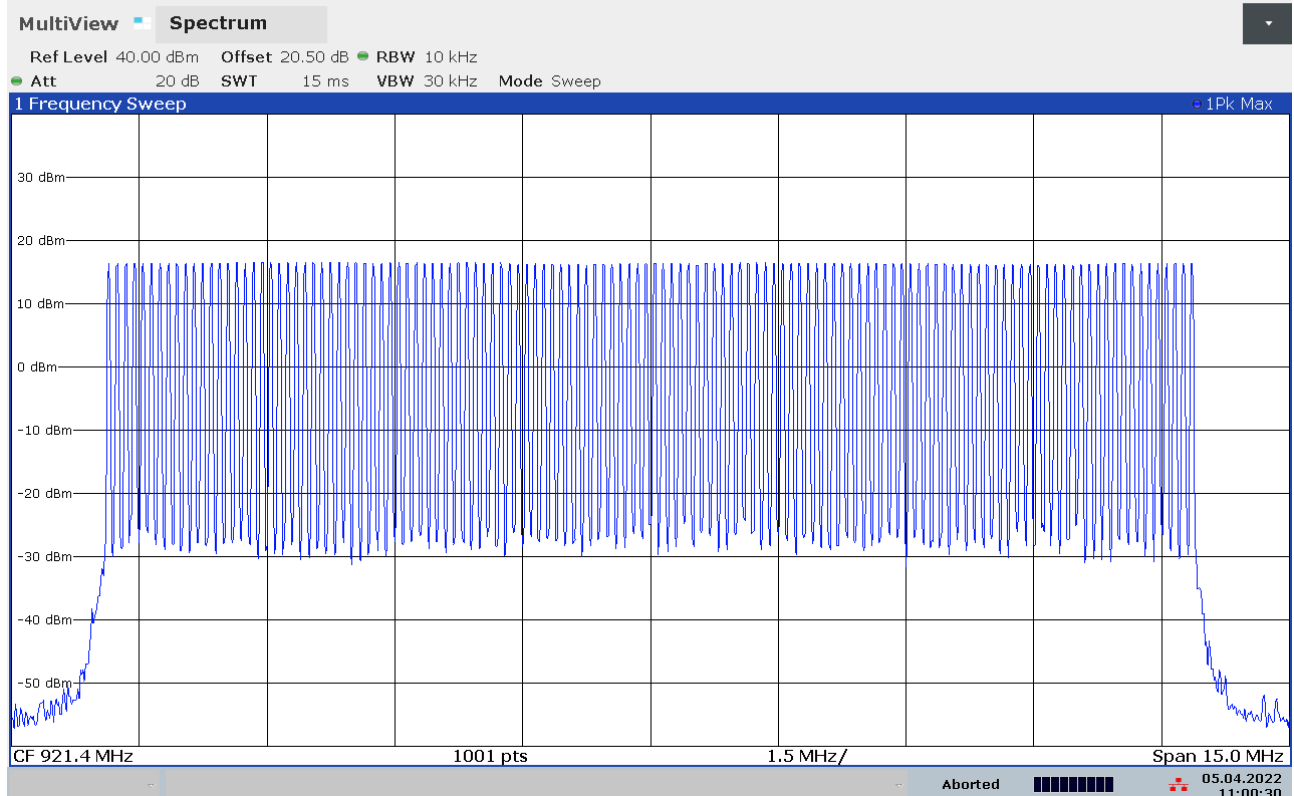
Nr.	Id. Number	Manufacturer	Model	Description
2	CMC S295	Rohde & Schwarz	FSW43	Spectrum Analyzer 43GHz
1	--	--	--	Cable + attenuator (calibrated before the test)

**Result**

<i>Frequency band (MHz)</i>	<i>Graphs</i>	<i>Number of hopping channels</i>	<i>Minimum number of hopping channels required</i>	<i>Results</i>
902 – 928	G21256429	128	50	Complies

### Graphs

Gandini 21256429



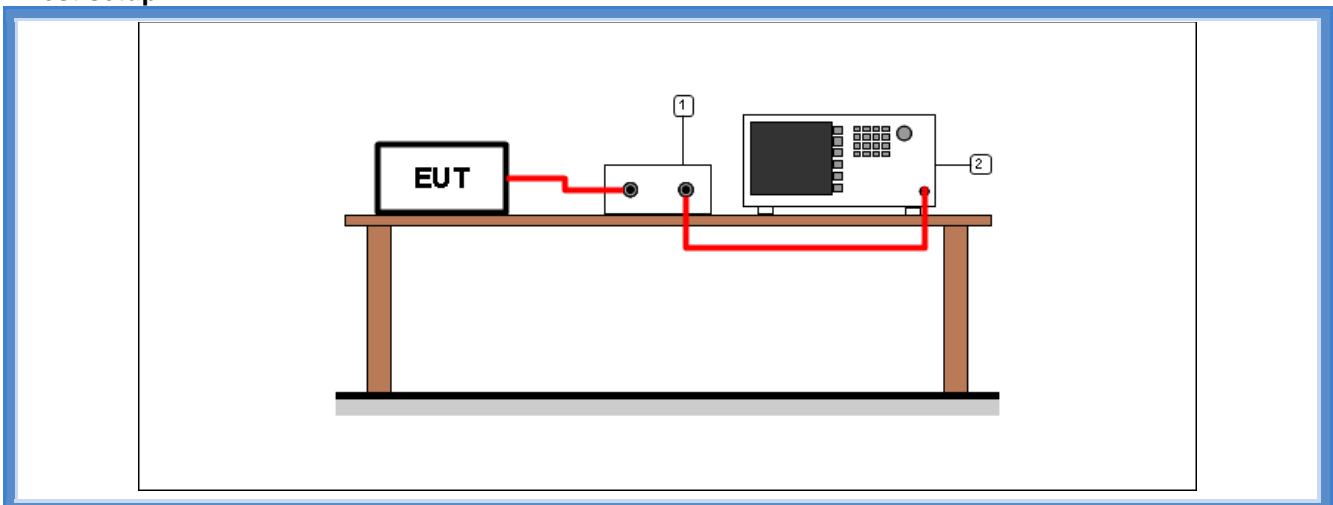
## 9.6 Time of occupancy

Tested by .....	G. Gandini
Test date .....	05.04.2022
Test location (stand) .....	Laboratory
Reference standards .....	FCC Rules and Regulation; Titles 47 Part. 15.247 KDB 558074 D01 15.247 Meas Guidance v05r02 cl. 9 b) ANSI C63.10 cl. 7.8.4
Supplementary test set-up description .....	--
Supplementary information.....	--

### Acceptance limits

For frequency hopping systems operating in the 902 – 928 MHz band: if the 20 dB bandwidth of the hopping channel is less than 250 kHz, the system shall use at least 50 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0,4 seconds within a 20 second period; if the 20 dB bandwidth of the hopping channel is 250 kHz or greater, the system shall use at least 25 hopping frequencies and the average time of occupancy on any frequency shall not be greater than 0,4 seconds within a 10 second period. The maximum allowed 20 dB bandwidth of the hopping channel is 500 kHz.

### Test setup



Test setup PR002\_01

Nr.	Id. Number	Manufacturer	Model	Description
2	CMC S295	Rohde & Schwarz	FSW43	Spectrum Analyzer 43GHz
1	--	--	--	Cable + attenuator (calibrated before the test)

**Result**

<i>Frequency (MHz)</i>	<i>Graphs</i>	<i>Dwell time (ms)</i>
924,80	G21256440	24,30

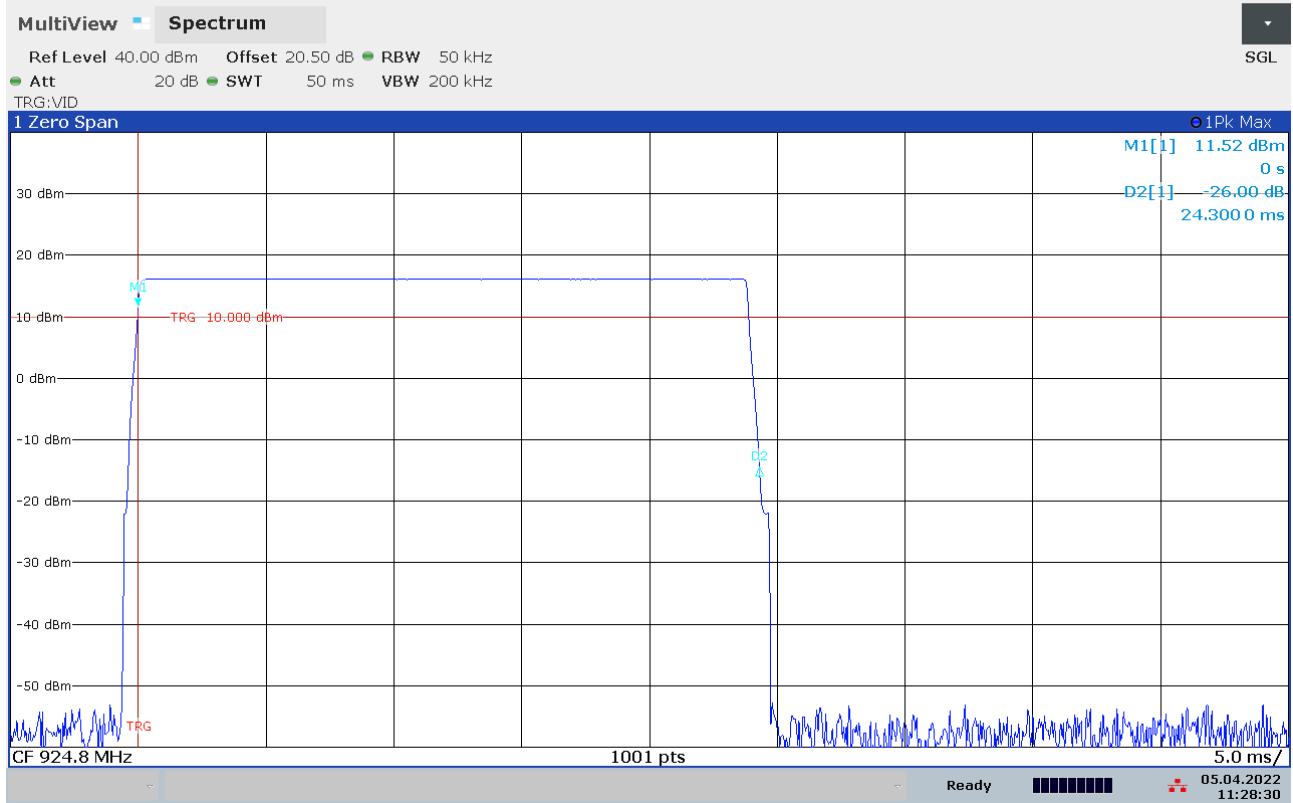
<i>Frequency (MHz)</i>	<i>Graphs</i>	<i>Number of transmissions</i>	<i>Period</i>
924,80	G21256441	4	20 s

**Remarks:** only the highest peaks have been considered. The lowest peaks are due to the auxiliary receiver unit

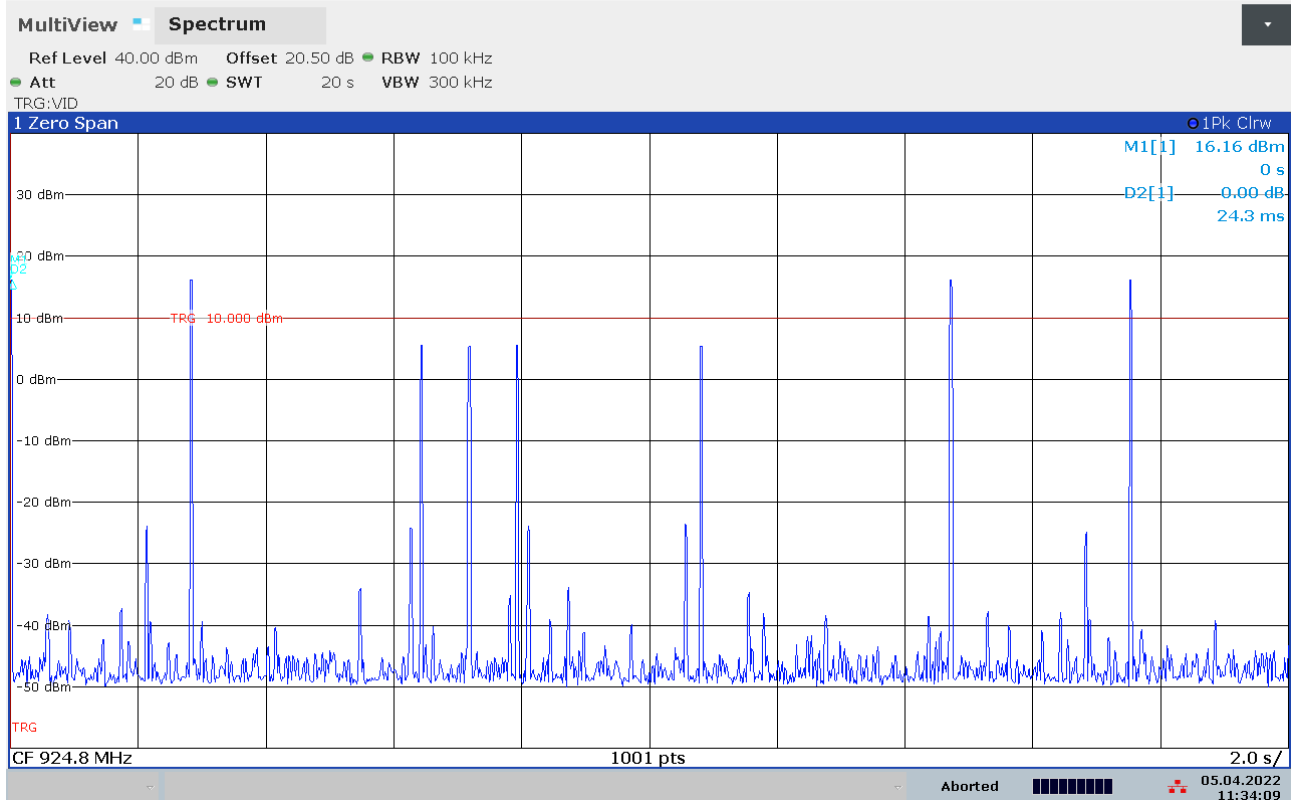
<i>Time of occupancy (Dwell time x Nr. transmissions)</i>	<i>Maximum allowed time of occupancy</i>	<i>Results</i>
97,20 ms	400 ms	Complies

## Graphs

Gandini 2125640



Gandini 2125641





## 9.7 Band edge

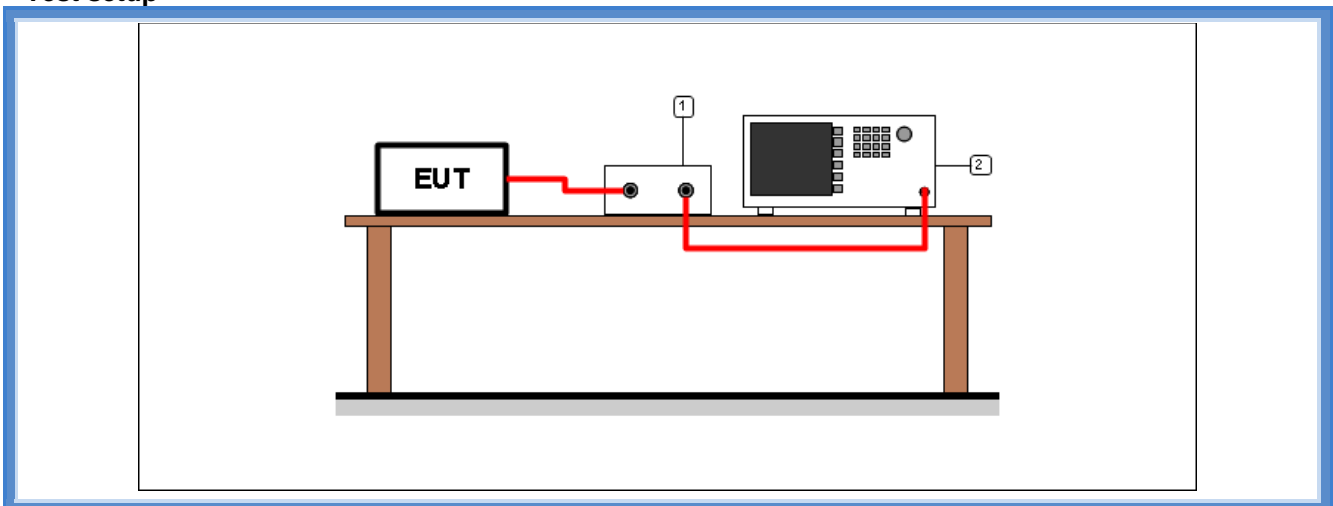
Tested by .....	G. Gandini
Test date .....	05.04.2022
Test location (stand) .....	Laboratory
Reference standards .....	FCC Rules and Regulation; Titles 47 Part. 15.247 ANSI C63.10 cl. 7.8.6
Supplementary test set-up description .....	--
Supplementary information.....	--

### Acceptance limits

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in § 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

Operation within the band 902 – 928 MHz.

### Test setup



Test setup PR002_01				
Nr.	Id. Number	Manufacturer	Model	Description
2	CMC S295	Rohde & Schwarz	FSW43	Spectrum Analyzer 43GHz
1	--	--	--	Cable + attenuator (calibrated before the test)

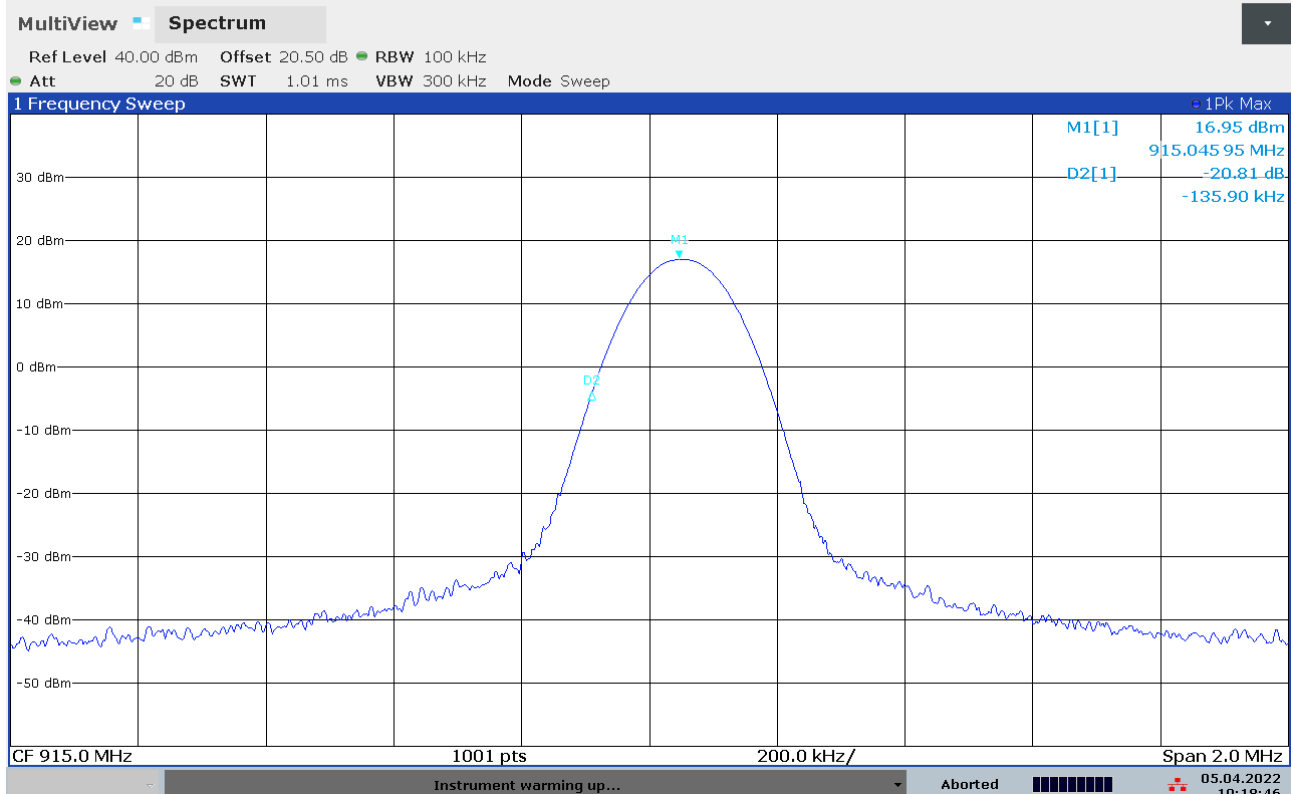
**Result**

<i>Frequency (MHz)</i>	<i>Bandwidth</i>	<i>Graph(s) – Hopping</i>	<i>Results</i>	
915,05	100 kHz	G21256434 G21256435	FL: 914,9121 MHz	Complies
927,80	100 kHz	G21256436 G21256437	FH: 927,9401 MHz	Complies

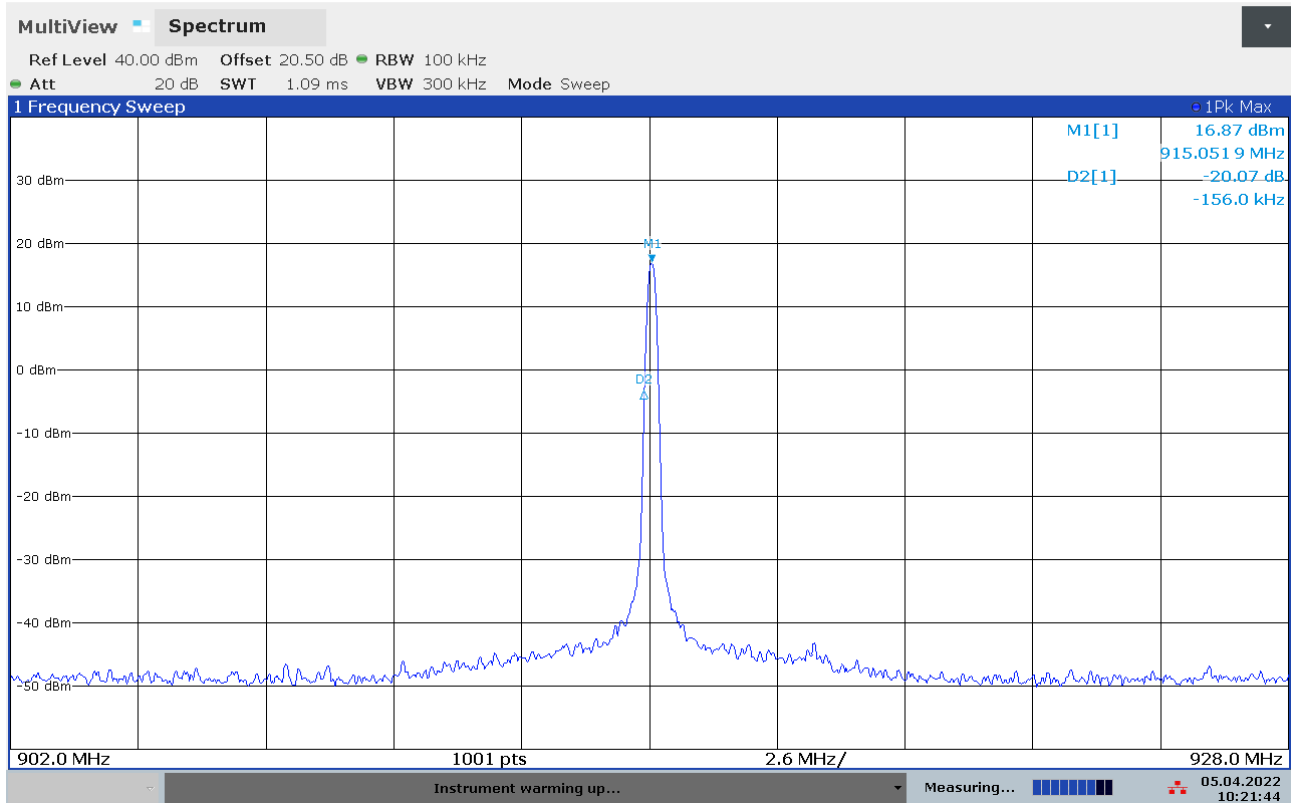
<i>Frequency (MHz)</i>	<i>Bandwidth</i>	<i>Graph(s) – No hopping</i>	<i>Results</i>	
915,05	100 kHz	G21256418 G21256420	FL: 914,9141 MHz	Complies
927,80	100 kHz	G21256427 G21256428	FH: 927,9459 MHz	Complies

## Graphs

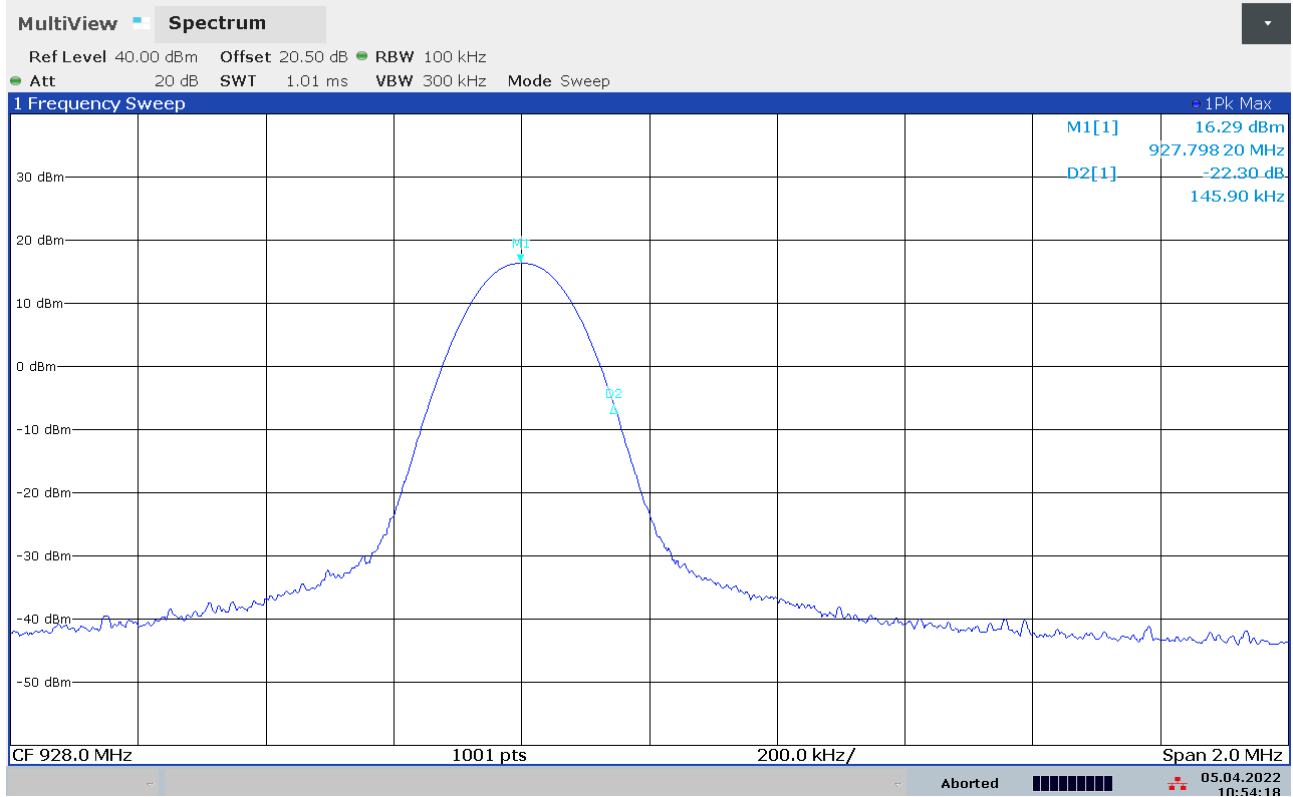
Gandini 21256418



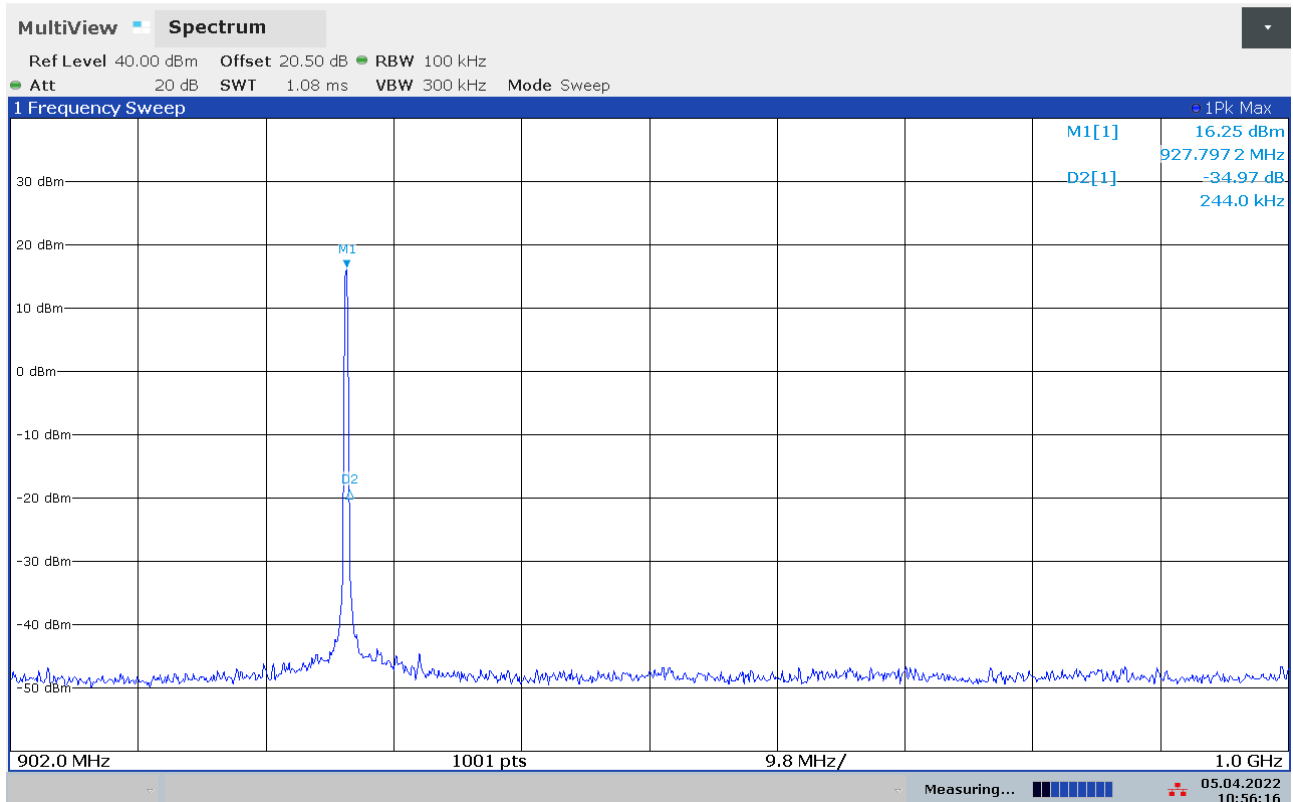
Gandini 21256420



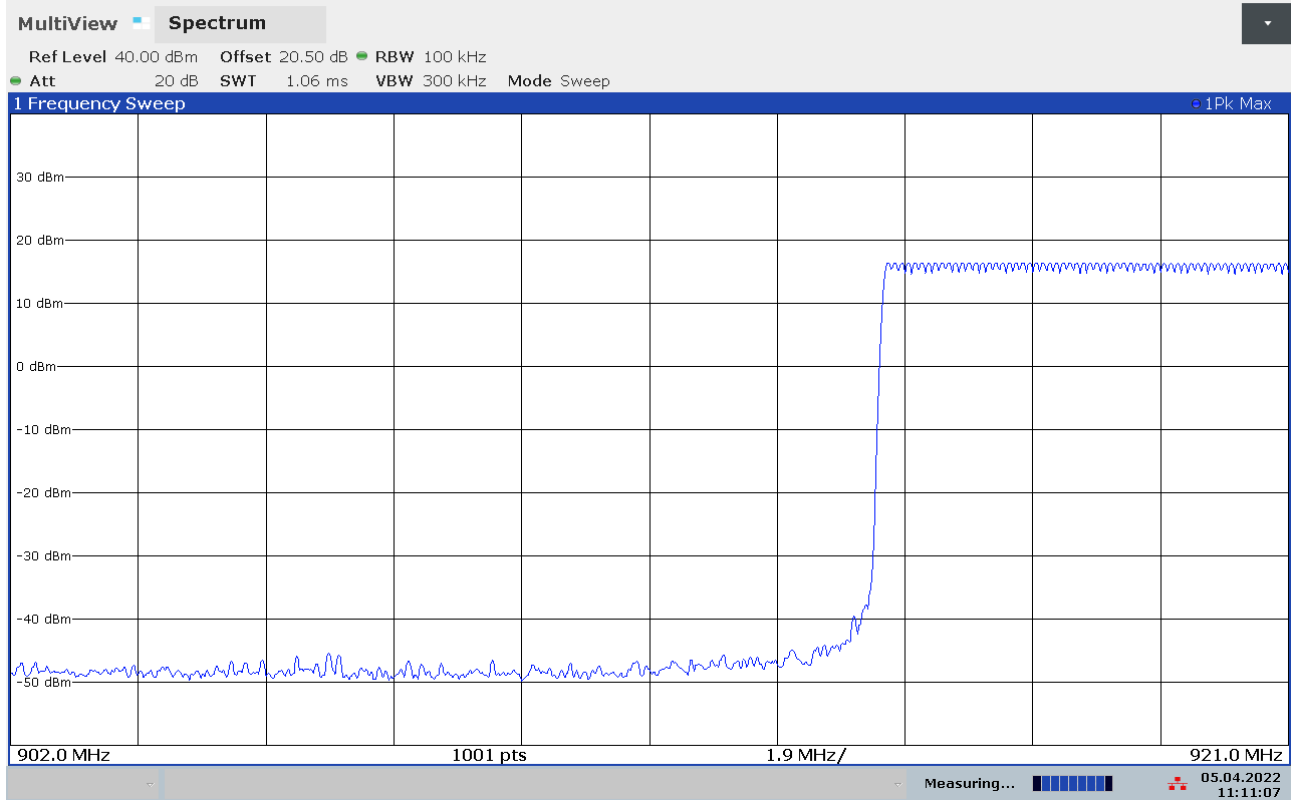
Gandini 21256427



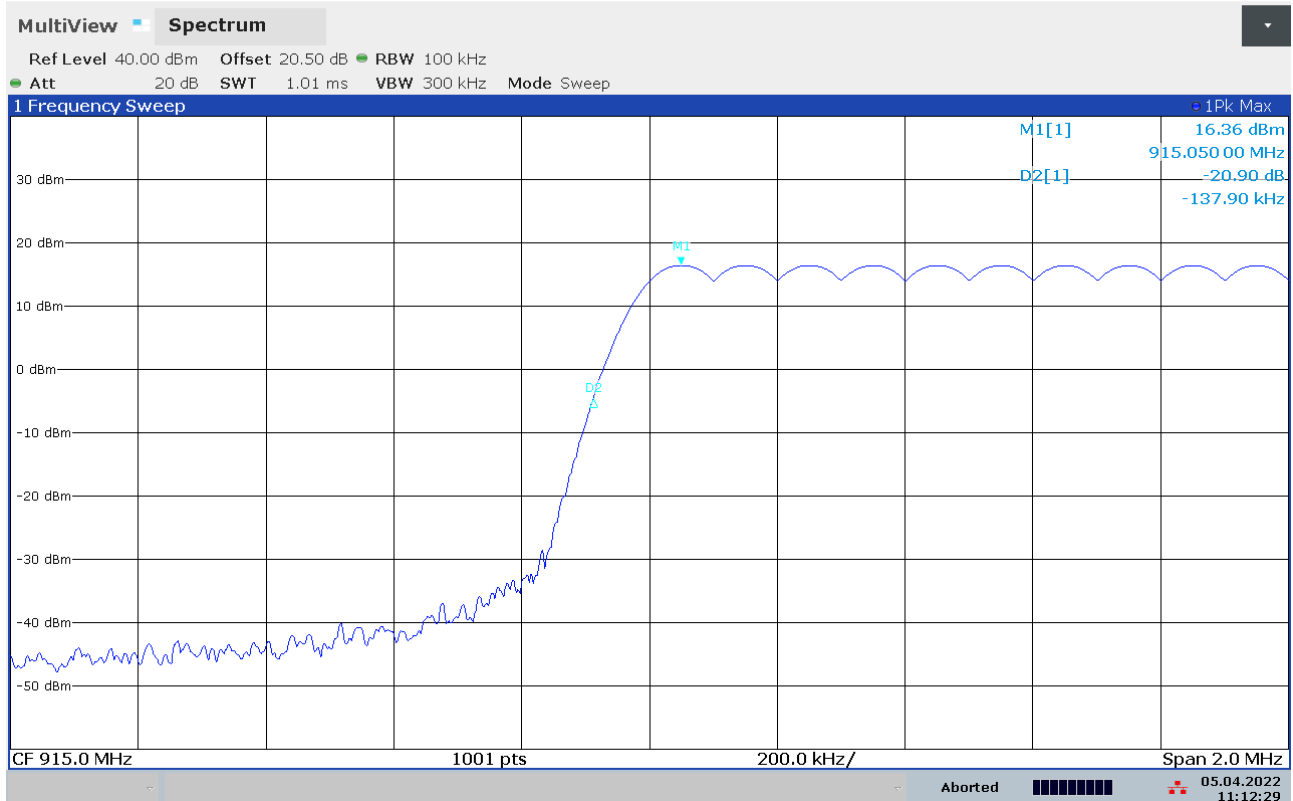
Gandini 21256428



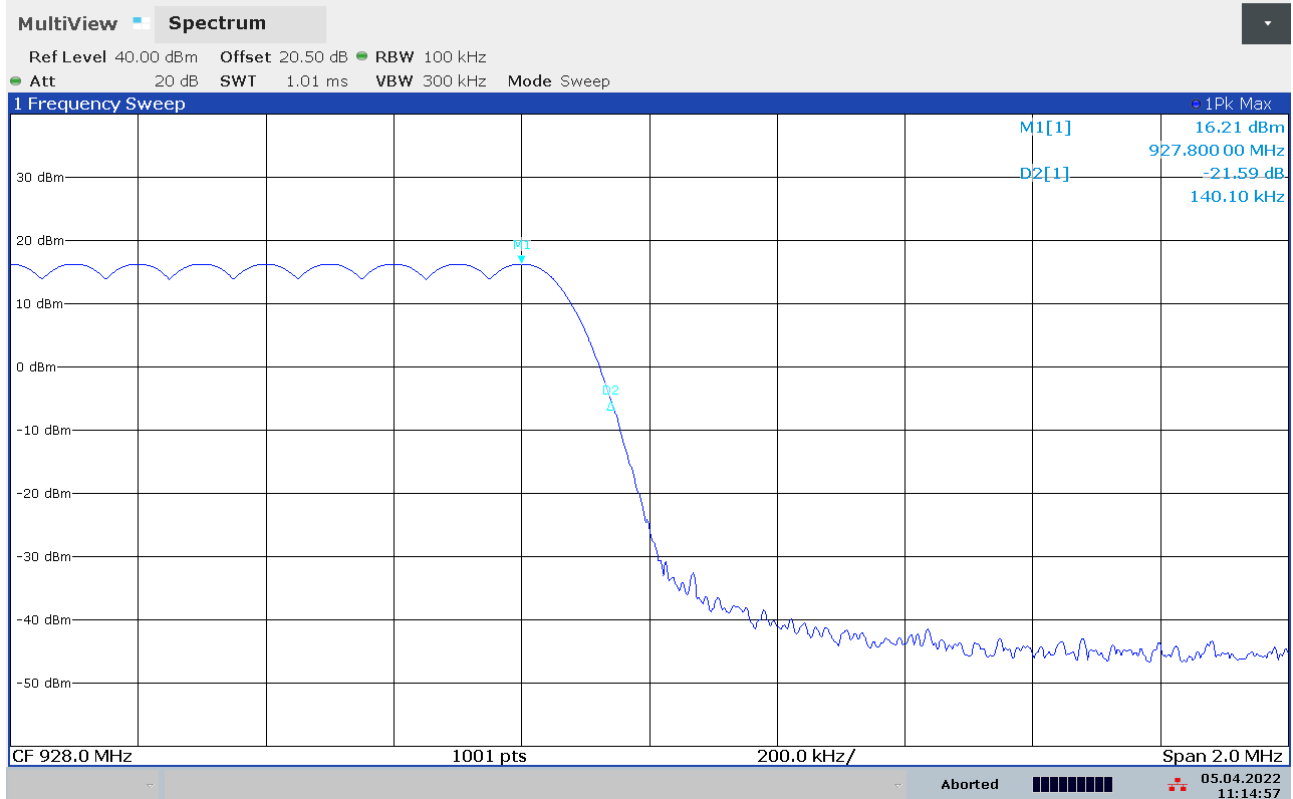
Gandini 21256434



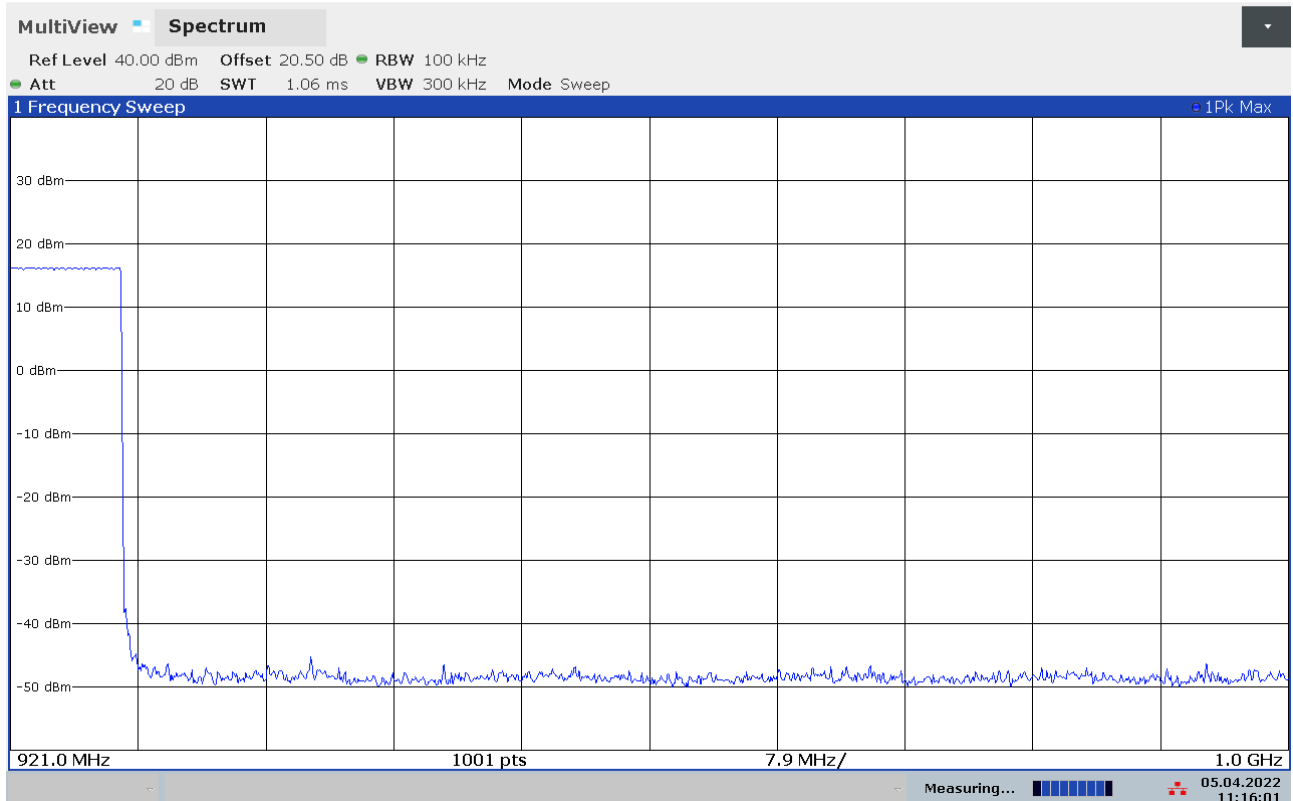
Gandini 21256435



Gandini 21256436



Gandini 21256437



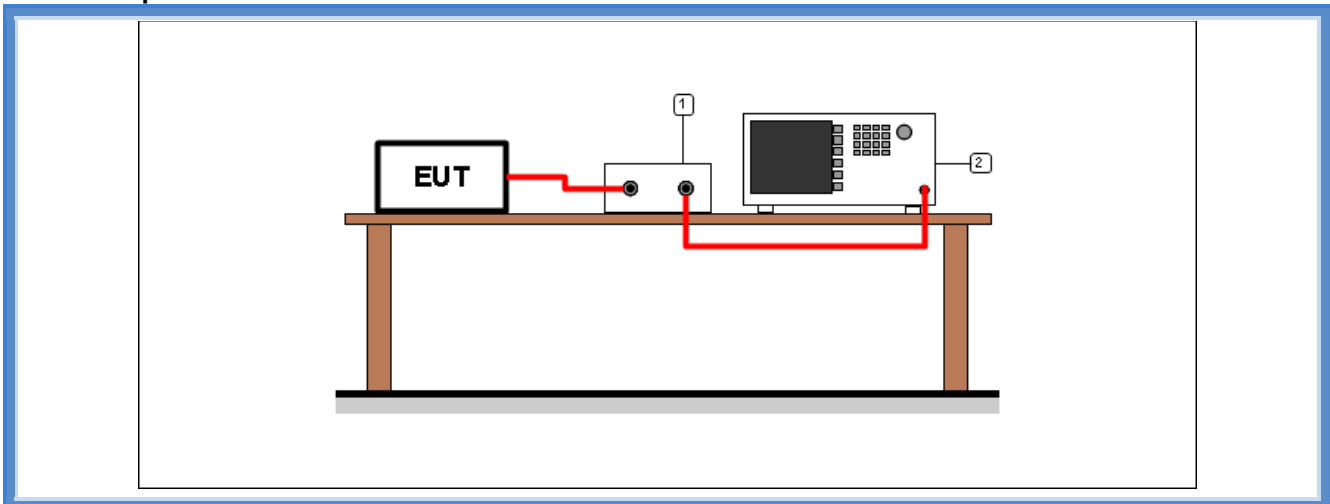
## 9.8 Peak Output Power

Tested by .....	G. Gandini
Test date .....	05.04.2022
Test location (stand) .....	Laboratory
Reference standards .....	FCC Rules and Regulation; Titles 47 Part. 15.247 KDB 558074 D01 15.247 Meas Guidance v05r02 cl. 2.2 ANSI C63.10 cl. 7.8.5
Supplementary test set-up description .....	--
Supplementary information.....	--

### Acceptance limits

For frequency hopping systems operating in the 902–928 MHz band: 1 watt for systems employing at least 50 hopping channels; and, 0,25 watts for systems employing less than 50 hopping channels, but at least 25 hopping channels.

### Test setup



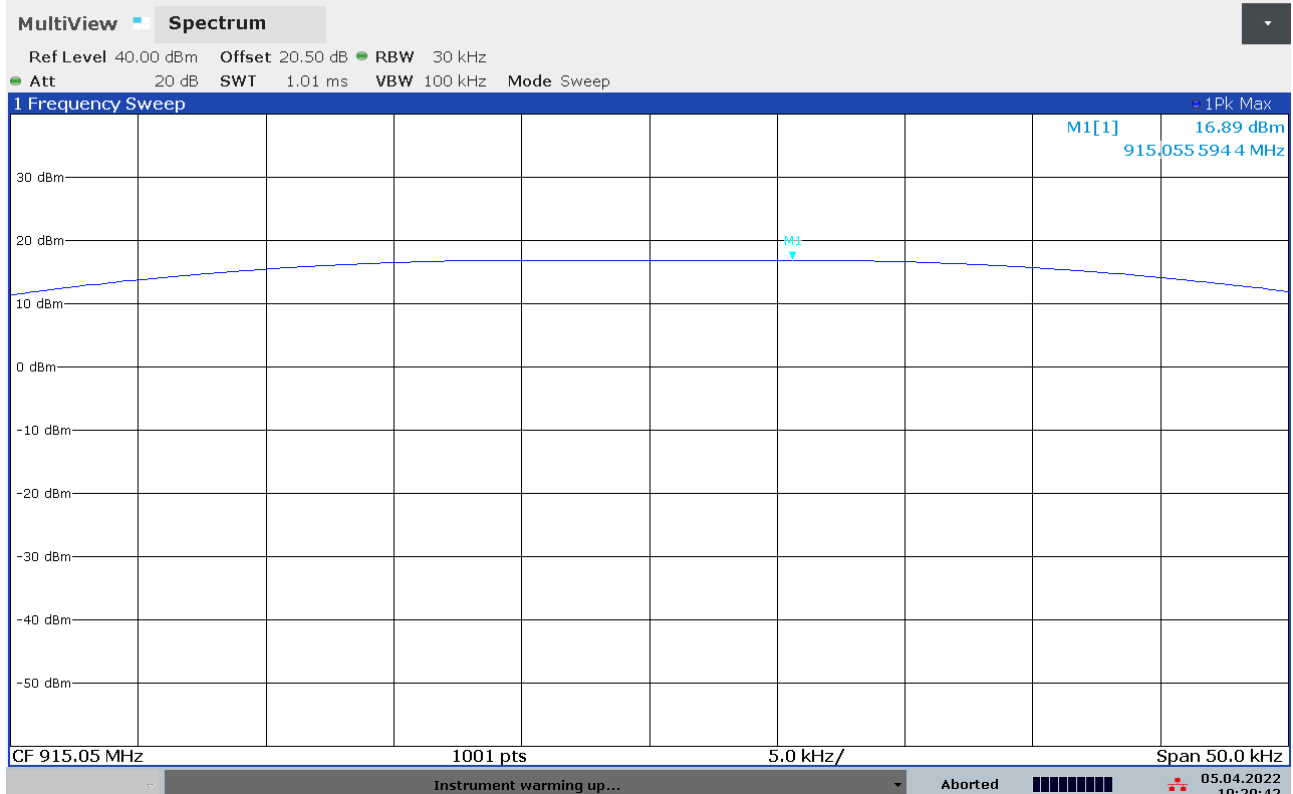
Test setup PR002_01				
Nr.	Id. Number	Manufacturer	Model	Description
2	CMC S295	Rohde & Schwarz	FSW43	Spectrum Analyzer 43 GHz
1	--	--	--	Cable + attenuator (calibrated before the test)

### Result

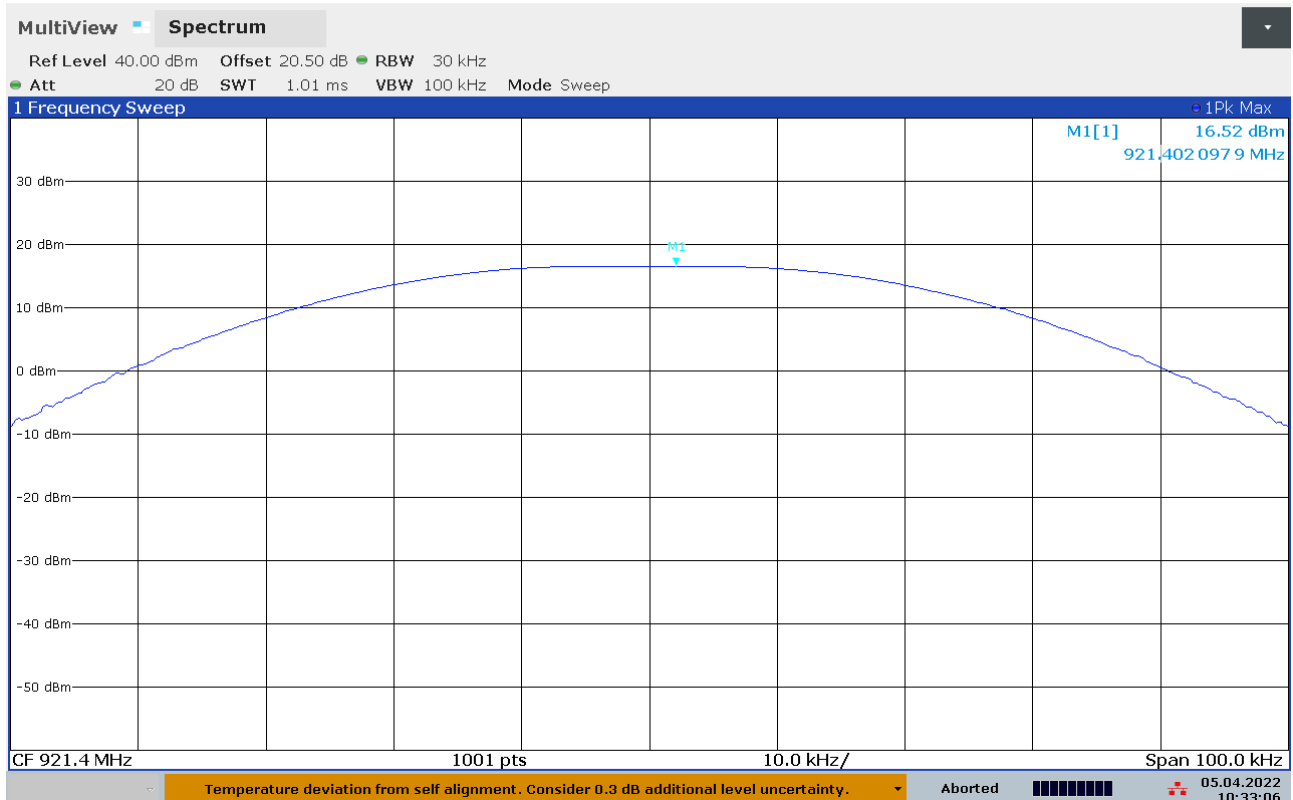
Frequency (MHz)	Graphs	Peak Output Power (dBm)	Peak Output Power (mW)	Limit (mW)
915,05	G21256419	16,89	48,87	1000
921,40	G21256423	16,52	44,87	1000
927,80	G21256424	16,40	43,65	1000

## Graphs

Gandini 21256419

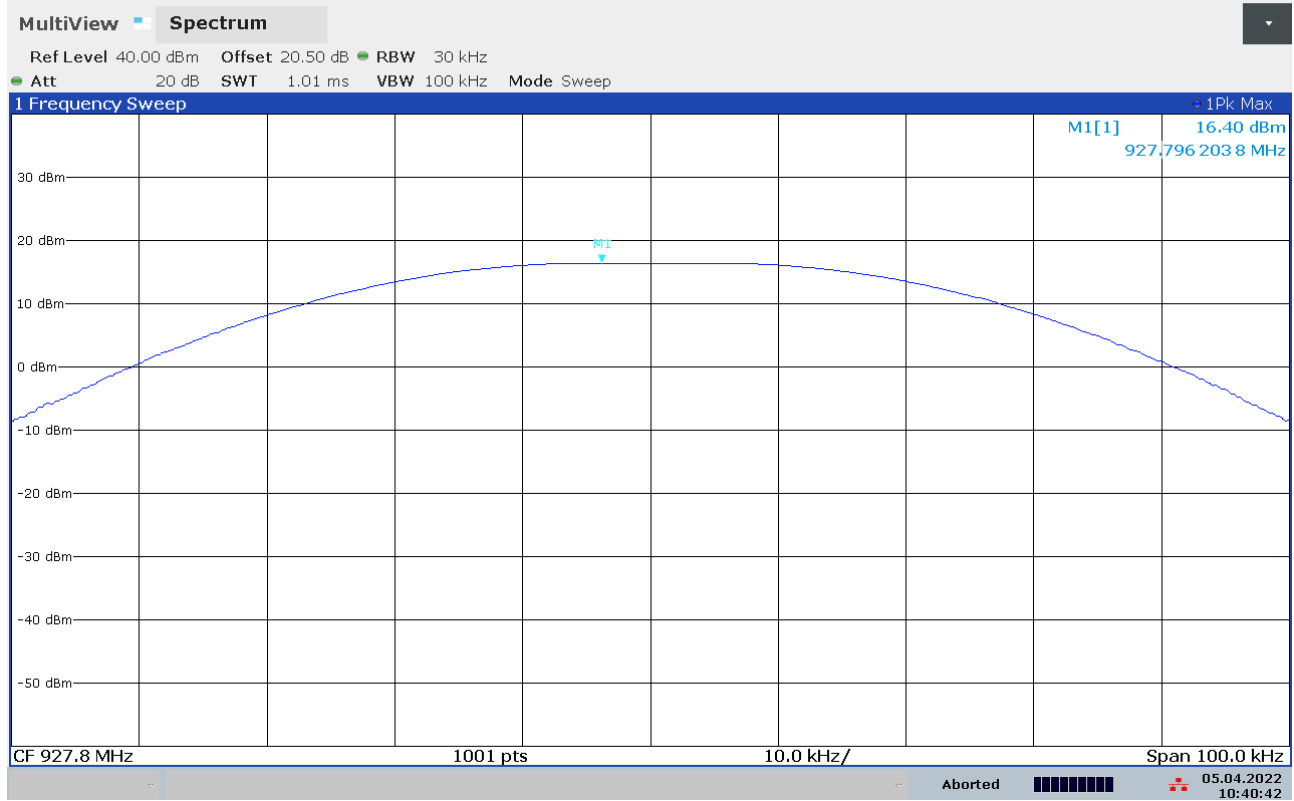


Gandini 21256423





Gandini 21256424



## Attachment 1

### Instruments list

<i><b>Id. number</b></i>	<i><b>Manufacturer</b></i>	<i><b>Model</b></i>	<i><b>Description</b></i>	<i><b>Serial number</b></i>	<i><b>Last calibration</b></i>	<i><b>Due date calibration</b></i>
CMC S010	Rohde & Schwarz	ESH3-Z2	Impulses Limiting Device	- - -	January '22	January '23
CMC S108	EMCO	3115	Horn Antenna	9811-5622	June '19	June '22
CMC S127	Schaffner	HLA6120	Loop Antenna	1191	November '18	November '23
CMC S200	Schwarzbeck	NSLK 8128	V-LISN	8128-273	January '22	January '23
CMC S206	Rohde & Schwarz	ESCI 7	EMC Receiver 9KHz-7GHz	100781	January '22	January '23
CMC S260	CMC	Wfr_N	Shielded Cable	Wfr_ant10-1	November '21	November '22
CMC S261	CMC	Wfr_N	Shielded Cable	Wfr_ant20-1	November '21	November '22
CMC S262	CMC	Wfr_N_fix	Shielded Cable	Wfr_fix32-1	November '21	November '22
CMC S263	CMC	Wfr_N_fix	Shielded Cable	Wfr_fix31-1	November '21	November '22
CMC S264	CMC	Wfr_N	Shielded Cable	Wfr_ext03-1	November '21	November '22
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 '21	November '22
CMC S295	Rohde & Schwarz	FSW43	Spectrum Analyzer 43GHz	104059	November '19	November '22
CMC S353	Rohde & Schwarz	ESW26	Emi Test Receiver 1 Hz - 26.5 GHz	101492	September '20	September '22

**Attachment 1**
**Measurement uncertainty**

<i>Test</i>	<i>Test Setup</i>	<i>Expanded uncertainty</i>	<i>Note</i>
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	2,3 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	3,8 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	4,1 dB	1
Radiated Emission CISPR 16 Bicon. Ant. 30-300 MHz	PE004_02	4,7 dB	1
Radiated Emission CISPR 16 LogP. Ant. 300-1000 MHz	PE004_03	4,6 dB	1
Radiated Emission CISPR 16 Horn Ant. 1-18 GHz	PE004_04	4,7 dB	1
Human Exposure to electromagnetic fields	PE005_01	16,7 %	1
Harmonics	PE006_01	10 mA + 2,9 %	1
Flicker	PE007_01	4,15 %	1
Radiated Immunity 80 MHz - 6 GHz	PE102_XX	2,20 dB 0,86 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	6,23 % 18,7 A/m a 300A/m	1
Dumped Magnetic field	PE108_01	6,23 % 1,87 A/m a 30A/m	1
Common mode conducted immunity	PE112_01	2,16 % 0,22 V a 10V	1

**Attachment 1**

<i>Test</i>	<i>Test Setup</i>	<i>Expanded uncertainty</i>	<i>Note</i>
Power/Spurious 9kHz-30MHz	PR001_01	4,1 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 <sup>-7</sup>	1
Timing zero span (1001pts.)	PR002_01+02	0,2 % SWT	1
Modulation bandwidth	PR002_01+02	< 1x10 <sup>-7</sup>	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

<i>Test</i>	<i>Test Setup</i>	<i>Expanded uncertainty</i>	<i>Note</i>
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
<i>Rev_22_01 date 31/01/2022</i>			

**Note 1:**

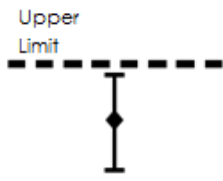
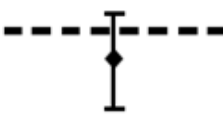

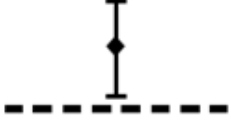
The expanded uncertainty reported according to the document EA-4-02 is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of p = 95%

**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
 <p>The sample complies with the requirements.</p> <p>The measurement results is within the specification limit when the measurement uncertainty is taken into account.</p>	 <p>The sample complies with the requirements.</p> <p>It is not possible to state compliance using a 95% coverage probability for the expanded uncertainty although the measurement result is below the limit.</p>	 <p>The sample does not comply with the requirements.</p> <p>It is not possible to state compliance using a 95% coverage probability for the expanded uncertainty also the measurement result is upper the limit.</p>	 <p>The sample does not comply with the requirements.</p> <p>The measurement results is outside the specification limit when the measurement uncertainty is taken into account.</p>

In agreement with ILAC-G8:09/2019 cl.4.2.1 Guidelines on Decision Rules and Statements of Conformity

### Quality manual references – Internal procedure

Internal Procedure PM001 rev. 3.1 (Quality Manual) .....	Measure procedure
Internal Procedure INC_M rev. 9.7 (Quality Manual) .....	Measurement uncertainty calculation