



CMC
Centro Misure Compatibilità S.r.l.
Via della Fisica, 20
36016 Thiene (VI)



ACCREDIA
L'ENTE ITALIANO DI ACCREDITAMENTO

LAB N° 0168

EDIT PEAK LIST (Prescan Results)				
Trace1:	FCCBHPK	LEVEL dB μ V/m	DELTA	LIMIT dB
Trace2:	FCCBHAV			
Trace3:	---			
TRACE	FREQUENCY	LEVEL dB μ V/m	DELTA	LIMIT dB
2 Average	10.1896 GHz	40.90	-13.07	
1 Max Peak	10.1904 GHz	53.08	-20.89	
1 Max Peak	10.9436 GHz	54.49	-19.49	
2 Average	10.9624 GHz	42.59	-11.38	
2 Average	11.62 GHz	43.22	-10.75	
1 Max Peak	11.6332 GHz	54.52	-19.46	
1 Max Peak	13.3756 GHz	54.85	-19.13	
2 Average	13.392 GHz	42.47	-11.50	
2 Average	14.072 GHz	44.50	-9.47	
1 Max Peak	14.0728 GHz	56.62	-17.36	
2 Average	14.798 GHz	43.92	-10.05	
1 Max Peak	14.8008 GHz	54.60	-19.37	
2 Average	17.7064 GHz	49.50	-4.47	
1 Max Peak	17.8168 GHz	60.99	-12.98	

Gandini 19118030

CMC Centro Misure Compatibilità S.r.l.



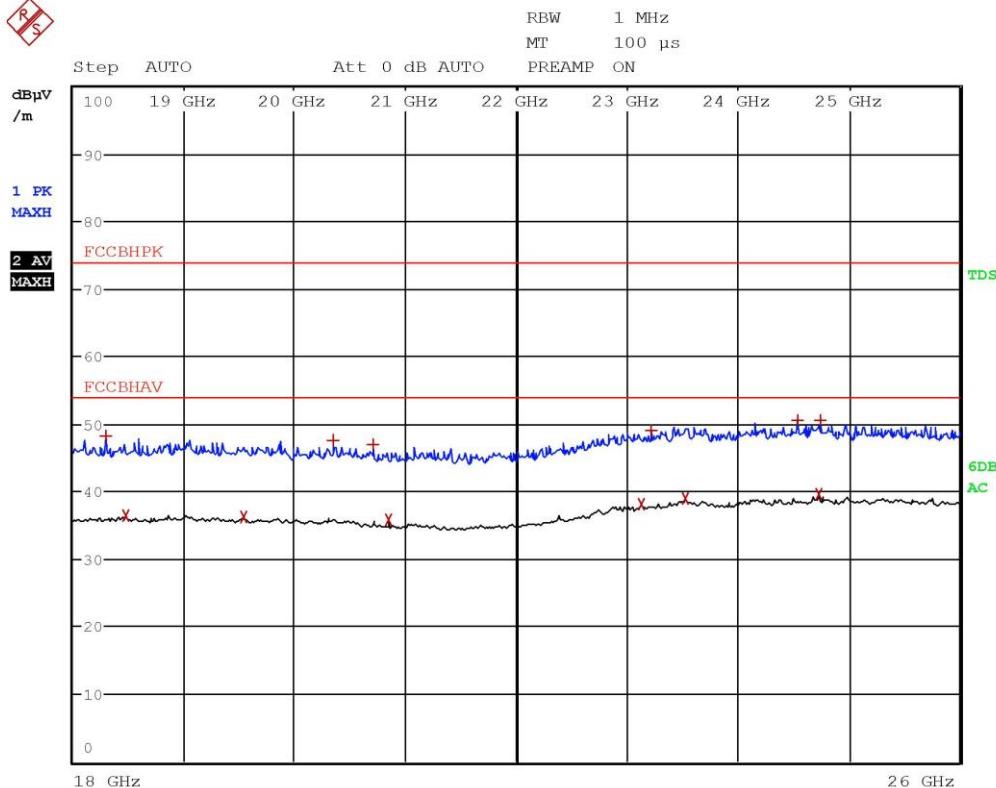
CMC
Centro Misure Compatibilità S.r.l.
Via della Fisica, 20
36016 Thiene (VI)



ACCREDIA
L'ENTE ITALIANO DI ACCREDITAMENTO

LAB N° 0168

R/S



Gandini 19118031



CMC
Centro Misure Compatibilità S.r.l.
Via della Fisica, 20
36016 Thiene (VI)



ACCREDIA
L'ENTE ITALIANO DI ACCREDITAMENTO

LAB N° 0168

EDIT PEAK LIST (Prescan Results)				
Trace1:	FCCBHPK	LEVEL dB μ V/m	DELTA	LIMIT dB
Trace2:	FCCBHAV			
Trace3:	---			
TRACE	FREQUENCY	LEVEL dB μ V/m	DELTA	LIMIT dB
1 Max Peak	18.2892 GHz	48.26	-25.71	
2 Average	18.47 GHz	36.53	-17.44	
2 Average	19.5436 GHz	36.18	-17.80	
1 Max Peak	20.348 GHz	47.55	-26.42	
1 Max Peak	20.702 GHz	46.91	-27.06	
2 Average	20.844 GHz	35.79	-18.18	
2 Average	23.1316 GHz	38.18	-15.80	
1 Max Peak	23.2216 GHz	48.96	-25.01	
2 Average	23.5208 GHz	38.90	-15.07	
1 Max Peak	24.5332 GHz	50.52	-23.45	
2 Average	24.736 GHz	39.64	-14.33	
1 Max Peak	24.7408 GHz	50.63	-23.35	

Gandini 19118031

CMC Centro Misure Compatibilità S.r.l.



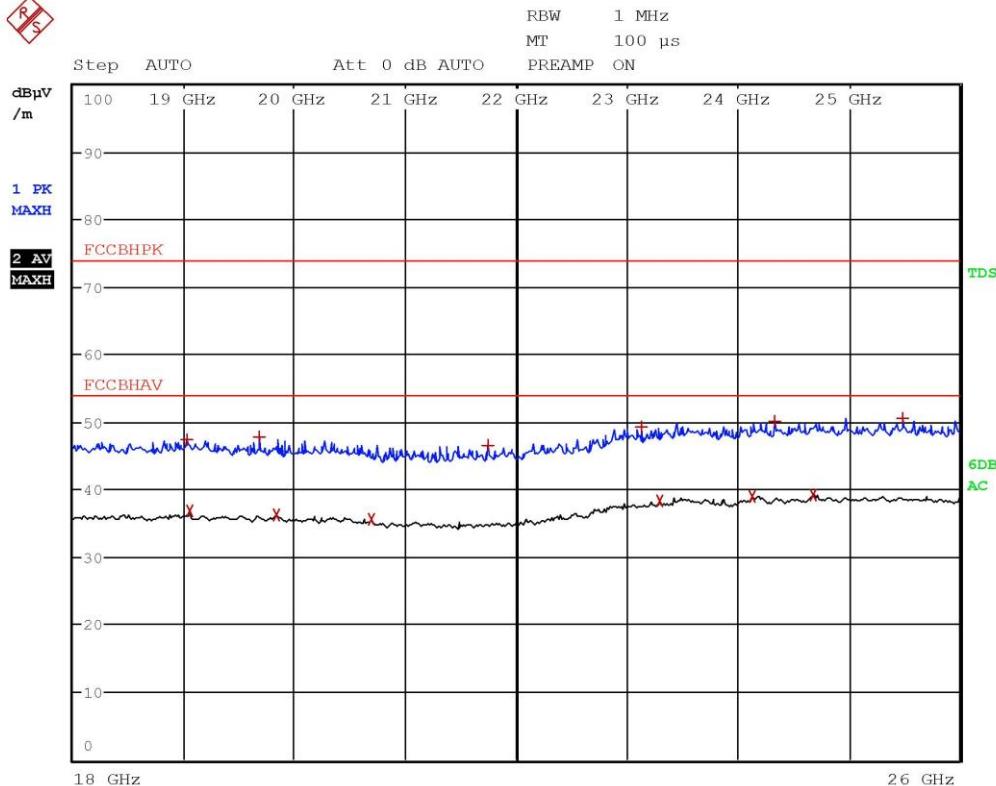
CMC
Centro Misure Compatibilità S.r.l.
Via della Fisica, 20
36016 Thiene (VI)



ACCREDIA
L'ENTE ITALIANO DI ACCREDITAMENTO

LAB N° 0168

R/S



Gandini 19118032

CMC Centro Misure Compatibilità S.r.l.



CMC
Centro Misure Compatibilità S.r.l.
Via della Fisica, 20
36016 Thiene (VI)



ACCREDIA
L'ENTE ITALIANO DI ACCREDITAMENTO

LAB N° 0168

EDIT PEAK LIST (Prescan Results)				
Trace1:	FCCBHPK	LEVEL dB μ V/m	DELTA	LIMIT dB
Trace2:	FCCBHAV			
Trace3:	---			
TRACE	FREQUENCY	LEVEL dB μ V/m	DELTA	LIMIT dB
1 Max Peak	19.0276 GHz	47.42	-26.55	
2 Average	19.0556 GHz	36.76	-17.21	
1 Max Peak	19.6768 GHz	47.70	-26.27	
2 Average	19.8268 GHz	36.26	-17.71	
2 Average	20.6892 GHz	35.55	-18.43	
1 Max Peak	21.7384 GHz	46.56	-27.41	
1 Max Peak	23.1228 GHz	49.17	-24.80	
2 Average	23.2904 GHz	38.35	-15.62	
2 Average	24.1332 GHz	39.07	-14.90	
1 Max Peak	24.3372 GHz	50.08	-23.89	
2 Average	24.682 GHz	39.20	-14.77	
1 Max Peak	25.4896 GHz	50.46	-23.51	

Gandini 19118032

CMC Centro Misure Compatibilità S.r.l.



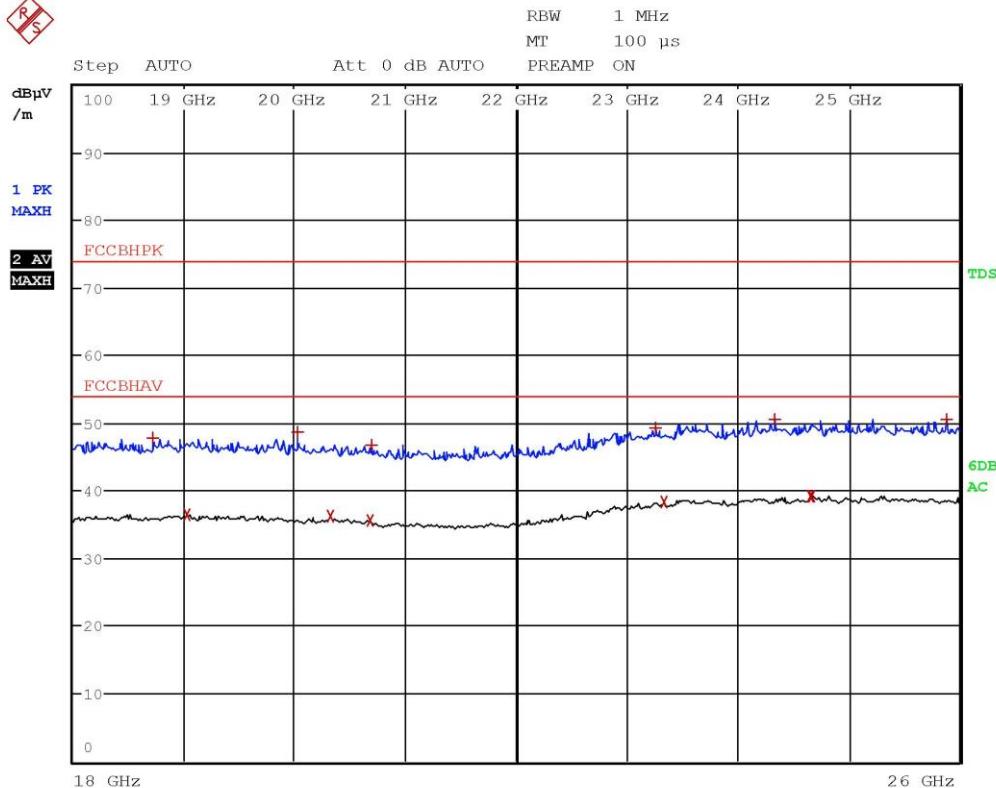
CMC
Centro Misure Compatibilità S.r.l.
Via della Fisica, 20
36016 Thiene (VI)



ACCREDIA
L'ENTE ITALIANO DI ACCREDITAMENTO

LAB N° 0168

R/S



Gandini 19118033



CMC
Centro Misure Compatibilità S.r.l.
Via della Fisica, 20
36016 Thiene (VI)



ACCREDIA
L'ENTE ITALIANO DI ACCREDITAMENTO

LAB N° 0168

EDIT PEAK LIST (Prescan Results)					
Trace1:	FCCBHPK	LEVEL dB μ V/m	DELTA	LIMIT	dB
Trace2:	FCCBHAV				
Trace3:	---				
TRACE	FREQUENCY				
1 Max Peak	18.712 GHz	47.72		-26.25	
2 Average	19.024 GHz	36.54		-17.43	
1 Max Peak	20.0256 GHz	48.62		-25.35	
2 Average	20.3248 GHz	36.32		-17.65	
2 Average	20.674 GHz	35.52		-18.45	
1 Max Peak	20.6924 GHz	46.78		-27.20	
1 Max Peak	23.2604 GHz	49.21		-24.76	
2 Average	23.3312 GHz	38.30		-15.67	
1 Max Peak	24.334 GHz	50.55		-23.42	
2 Average	24.6564 GHz	39.07		-14.90	
2 Average	24.668 GHz	39.20		-14.77	
1 Max Peak	25.8876 GHz	50.50		-23.47	

Gandini 19118033

CMC Centro Misure Compatibilità S.r.l.



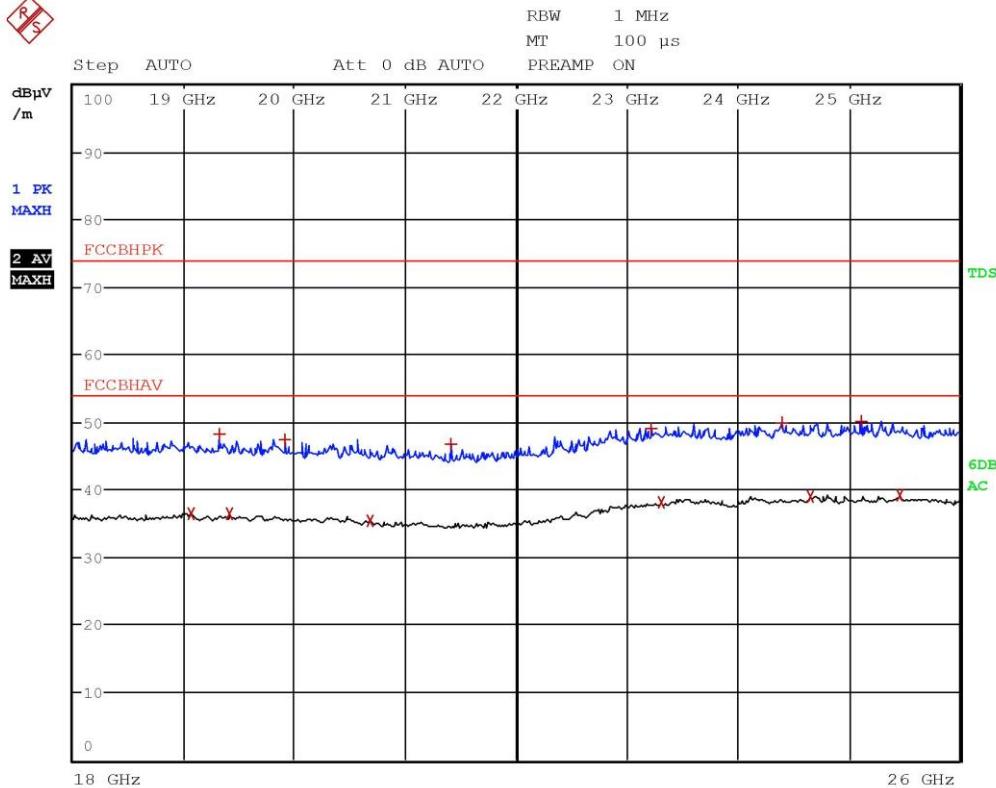
CMC
Centro Misure Compatibilità S.r.l.
Via della Fisica, 20
36016 Thiene (VI)



ACCREDIA
L'ENTE ITALIANO DI ACCREDITAMENTO

LAB N° 0168

R/S



Gandini 19118034



CMC
Centro Misure Compatibilità S.r.l.
Via della Fisica, 20
36016 Thiene (VI)



ACCREDIA
L'ENTE ITALIANO DI ACCREDITAMENTO

LAB N° 0168

EDIT PEAK LIST (Prescan Results)				
Trace1:	FCCCBHPK	LEVEL dB μ V/m	DELTA	LIMIT dB
Trace2:	FCCBHAV			
Trace3:	---			
TRACE	FREQUENCY	LEVEL dB μ V/m	DELTA	LIMIT dB
2 Average	19.0648 GHz	36.45	-17.52	
1 Max Peak	19.3204 GHz	48.24	-25.73	
2 Average	19.406 GHz	36.39	-17.58	
1 Max Peak	19.9064 GHz	47.44	-26.53	
2 Average	20.676 GHz	35.49	-18.48	
1 Max Peak	21.408 GHz	46.67	-27.30	
1 Max Peak	23.2112 GHz	49.05	-24.92	
2 Average	23.3136 GHz	38.08	-15.90	
1 Max Peak	24.3944 GHz	49.79	-24.19	
2 Average	24.6564 GHz	38.95	-15.02	
1 Max Peak	25.1132 GHz	50.07	-23.90	
2 Average	25.4636 GHz	39.26	-14.71	

Gandini 19118034

CMC Centro Misure Compatibilità S.r.l.



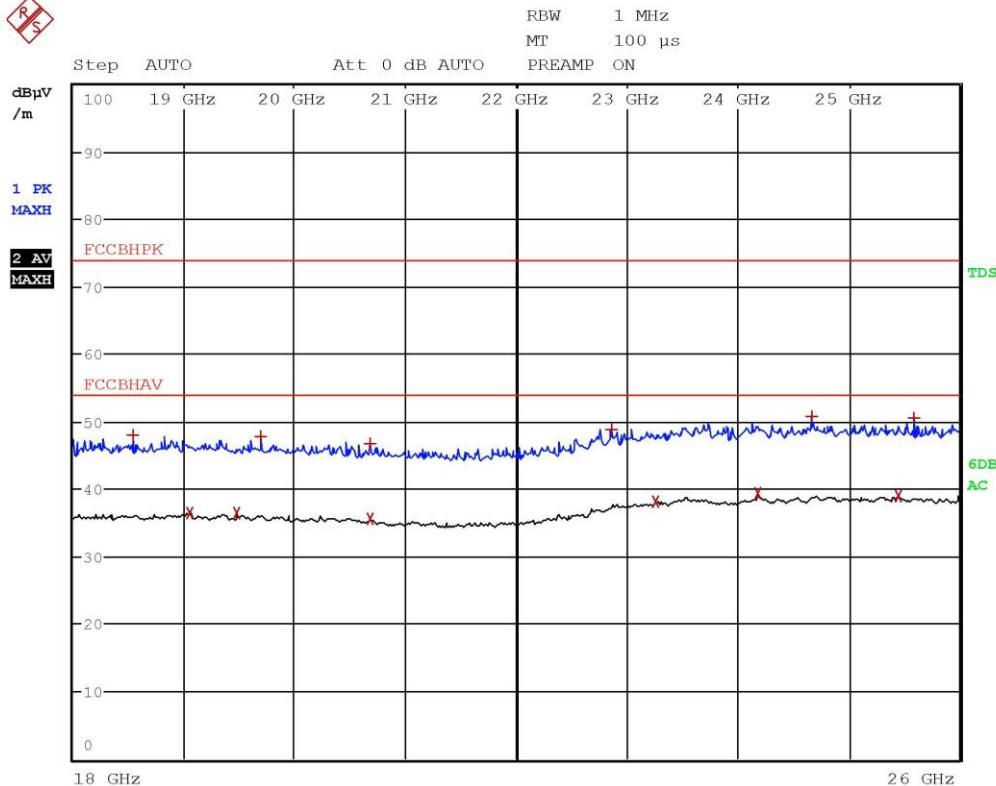
CMC
Centro Misure Compatibilità S.r.l.
Via della Fisica, 20
36016 Thiene (VI)



ACCREDIA
L'ENTE ITALIANO DI ACCREDITAMENTO

LAB N° 0168

R/S



Gandini 19118035



CMC
Centro Misure Compatibilità S.r.l.
Via della Fisica, 20
36016 Thiene (VI)



ACCREDIA
L'ENTE ITALIANO DI ACCREDITAMENTO

LAB N° 0168

EDIT PEAK LIST (Prescan Results)				
Trace1:	FCCBHPK	LEVEL dB μ V/m	DELTA	LIMIT dB
Trace2:	FCCBHAV			
Trace3:	---			
	TRACE	FREQUENCY		
1	Max Peak	18.538 GHz	47.98	-25.99
2	Average	19.0504 GHz	36.47	-17.50
2	Average	19.4796 GHz	36.40	-17.57
1	Max Peak	19.6968 GHz	47.79	-26.18
1	Max Peak	20.674 GHz	46.67	-27.30
2	Average	20.684 GHz	35.56	-18.41
1	Max Peak	22.8576 GHz	48.91	-25.06
2	Average	23.2568 GHz	38.18	-15.79
2	Average	24.1812 GHz	39.33	-14.64
1	Max Peak	24.6644 GHz	50.63	-23.34
2	Average	25.454 GHz	38.99	-14.98
1	Max Peak	25.588 GHz	50.60	-23.37

Gandini 19118035

CMC Centro Misure Compatibilità S.r.l.



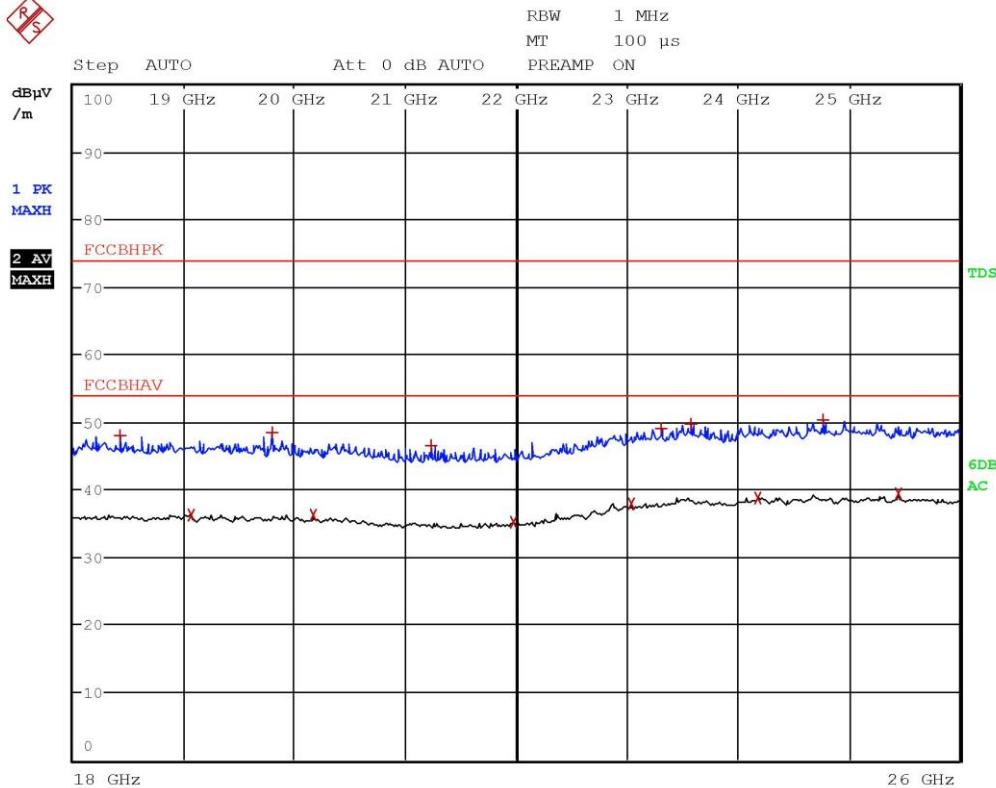
CMC
Centro Misure Compatibilità S.r.l.
Via della Fisica, 20
36016 Thiene (VI)



ACCREDIA
L'ENTE ITALIANO DI ACCREDITAMENTO

LAB N° 0168

R/S



Gandini 19118036



CMC
Centro Misure Compatibilità S.r.l.
Via della Fisica, 20
36016 Thiene (VI)



ACCREDIA
L'ENTE ITALIANO DI ACCREDITAMENTO

LAB N° 0168

EDIT PEAK LIST (Prescan Results)				
Trace1:	FCCBHPK	LEVEL dB μ V/m	DELTA	LIMIT dB
Trace2:	FCCBHAV			
Trace3:	---			
	TRACE	FREQUENCY		
1	Max Peak	18.4172 GHz	47.93	-26.04
2	Average	19.0616 GHz	36.31	-17.66
1	Max Peak	19.798 GHz	48.44	-25.53
2	Average	20.162 GHz	36.28	-17.69
1	Max Peak	21.2256 GHz	46.44	-27.53
2	Average	21.968 GHz	35.18	-18.80
2	Average	23.036 GHz	37.99	-15.98
1	Max Peak	23.3116 GHz	48.97	-25.00
1	Max Peak	23.5776 GHz	49.72	-24.25
2	Average	24.1792 GHz	38.79	-15.18
1	Max Peak	24.772 GHz	50.39	-23.58
2	Average	25.4468 GHz	39.34	-14.63

Gandini 19118036

Result: The requirements are met



11.4 DTS bandwidth

Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part 15.247 (a) (2)
- ANSI C63.10 cl. 11.8
- KDB 558074 D01 DTS Meas Guidance v05r02 cl. 8.2
- Internal procedure PM001
- See clause 4 of this test report

EUT exercising

See clause 4 of this test report

Test configuration and test method

Test site:
Laboratory

Auxiliary equipment:
See clause 4 of this test report

Test equipment used

CMC S295
Measurement uncertainty: See clause 7 of this test report

Test specification

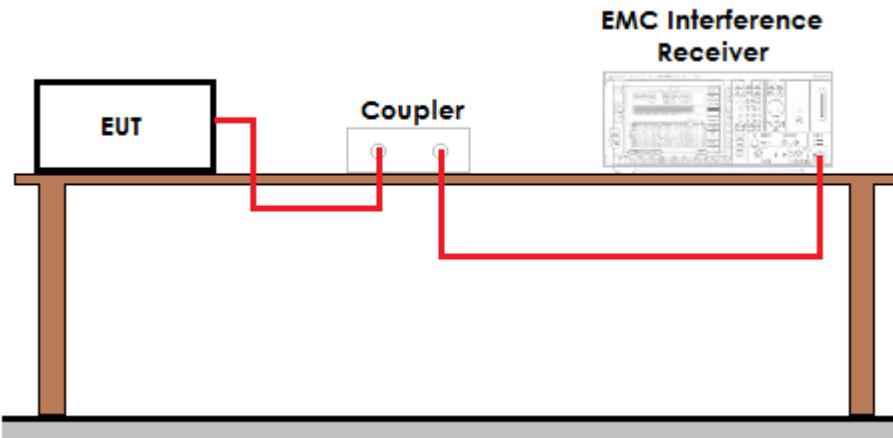
Systems using digital modulation techniques may operate in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

Environmental conditions

Temperature (°C)	Atmospheric pressure (kPa)	Relative humidity (%)
22	100	45



Setup



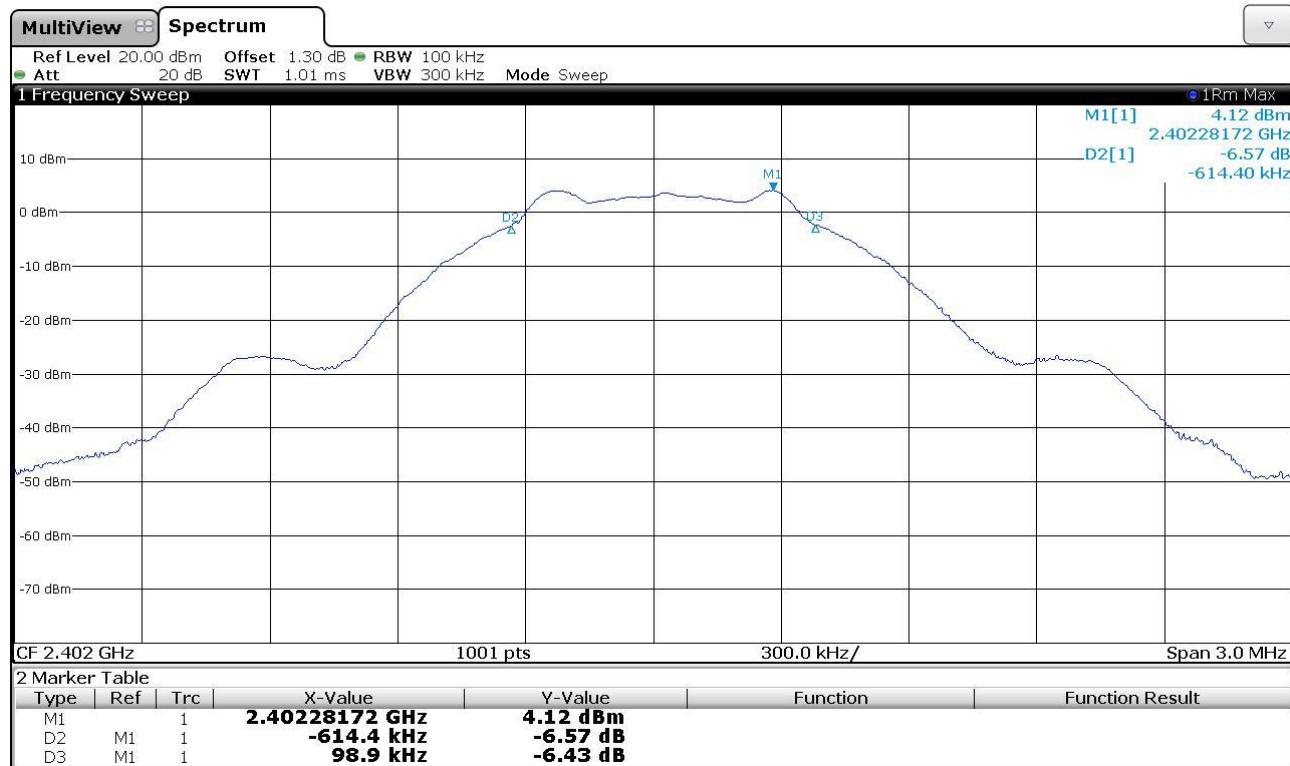
Result

Channel	Graphs	6 dB bandwidth (kHz)	Limits (kHz)	Results
Lowest	G19118037	704,30	At least 500	Complies
Medium	G19118042	725,30	At least 500	Complies
Highest	G19118046	725,30	At least 500	Complies

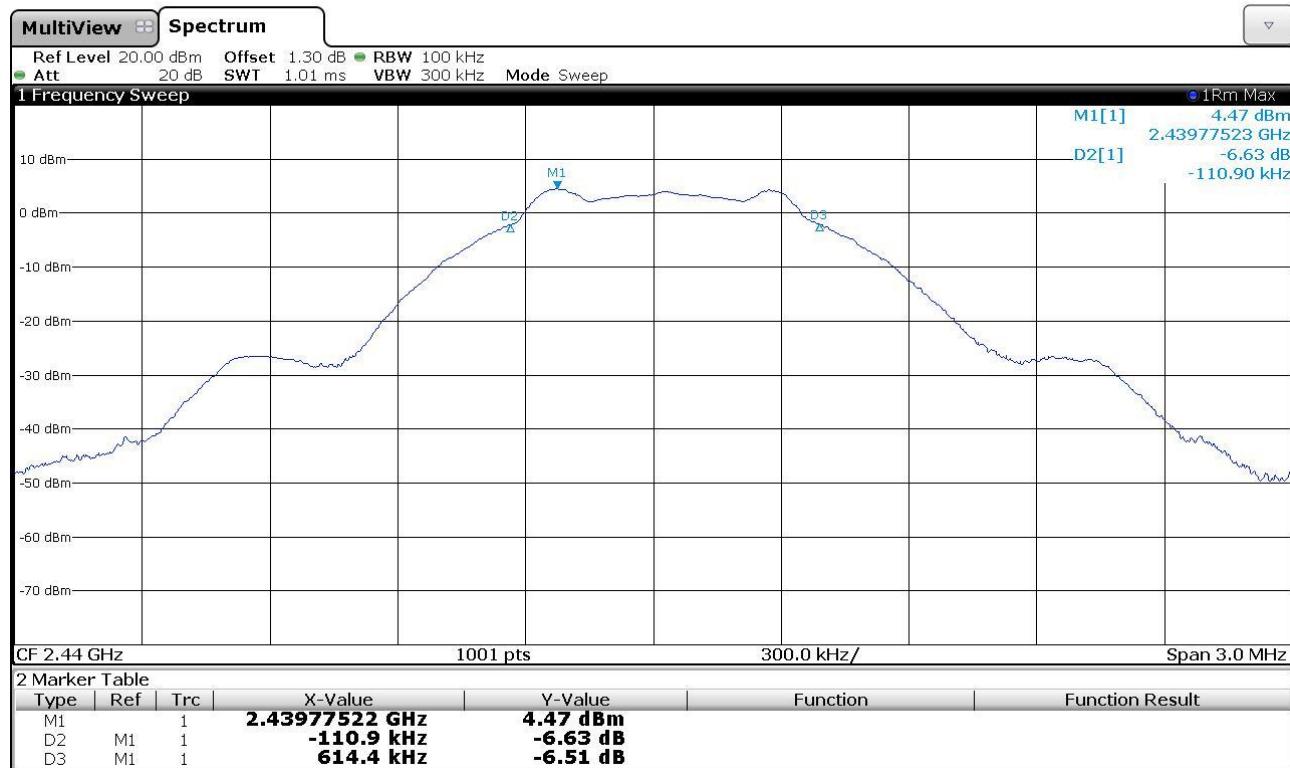


Graphs

Gandini 19118037



Gandini 19118042





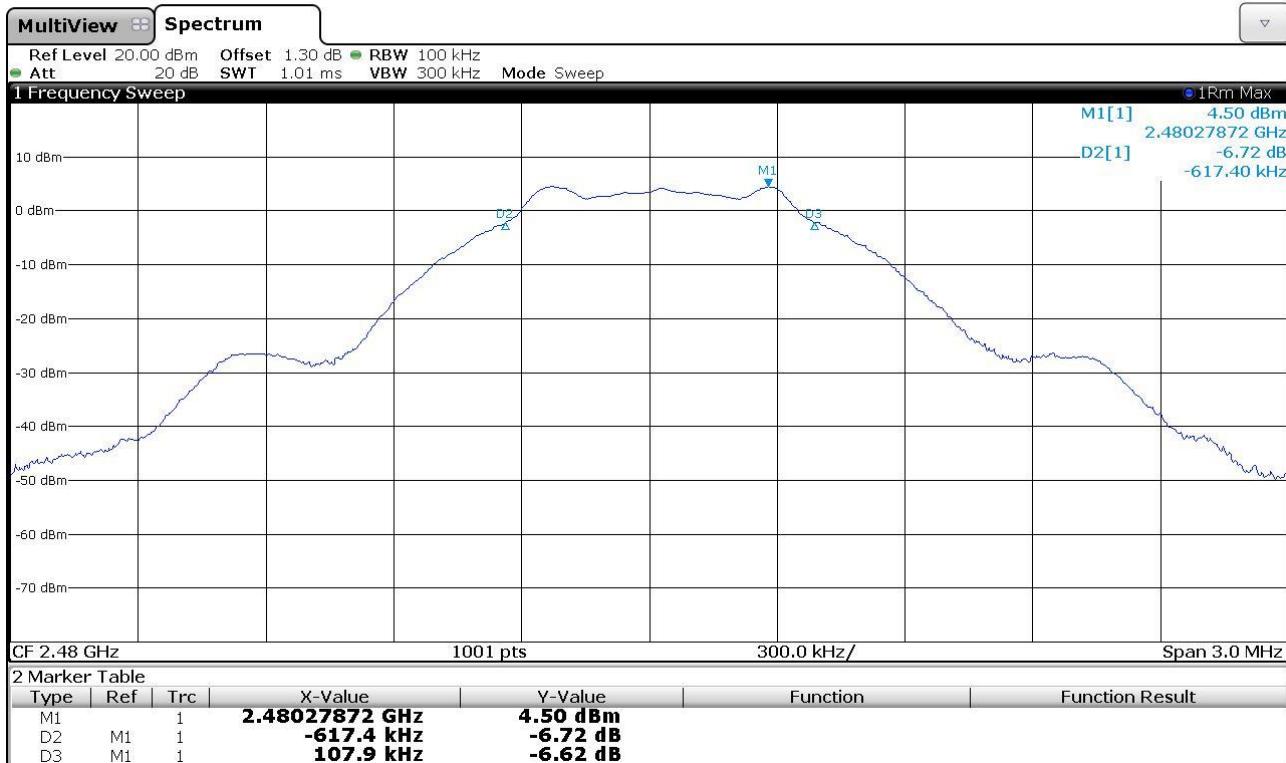
CMC
Centro Misure Compatibilità S.r.l.
Via della Fisica, 20
36016 Thiene (VI)



ACCREDIA
L'ENTE ITALIANO DI ACCREDITAMENTO

LAB N° 0168

Gandini 19118046



Result: The requirements are met



11.5 Band edge

Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part 15.205, 15.209, 15.247 (d)
- ANSI C63.10 cl. 11.11.1 and 11.12.1
- KDB 558074 D01 DTS Meas Guidance v05r02 cl. 8.7
- Internal procedure PM001
- See clause 4 of this test report

EUT exercising

See clause 4 of this test report

Test configuration and test method

Test site:
Laboratory

Auxiliary equipment:
See clause 4 of this test report

Test equipment used

CMC S295
Measurement uncertainty: See clause 7 of this test report

Test specification

See FCC Part 15.247

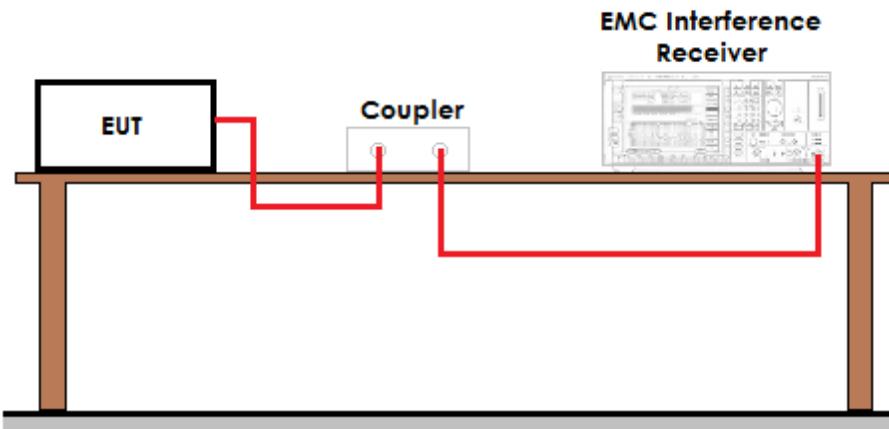
Environmental conditions

Temperature (°C)	Atmospheric pressure (kPa)	Relative humidity (%)
22	100	45

Acceptance limits: operation within the band 2400 – 2483,5 MHz



Setup



Result

Channel	Bandwidth	Graph(s)	Results	
Lowest	1 MHz	G19118015	--	Complies
Lowest	1 MHz	G19118016	--	Complies
Lowest	1 MHz	G19118017	--	Complies
Lowest	1 MHz	G19118018	2399,9930 MHz	Complies
Highest	1 MHz	G19118012	--	Complies
Highest	1 MHz	G19118013	--	Complies
Highest	1 MHz	G19118014	2482,1320 MHz	Complies



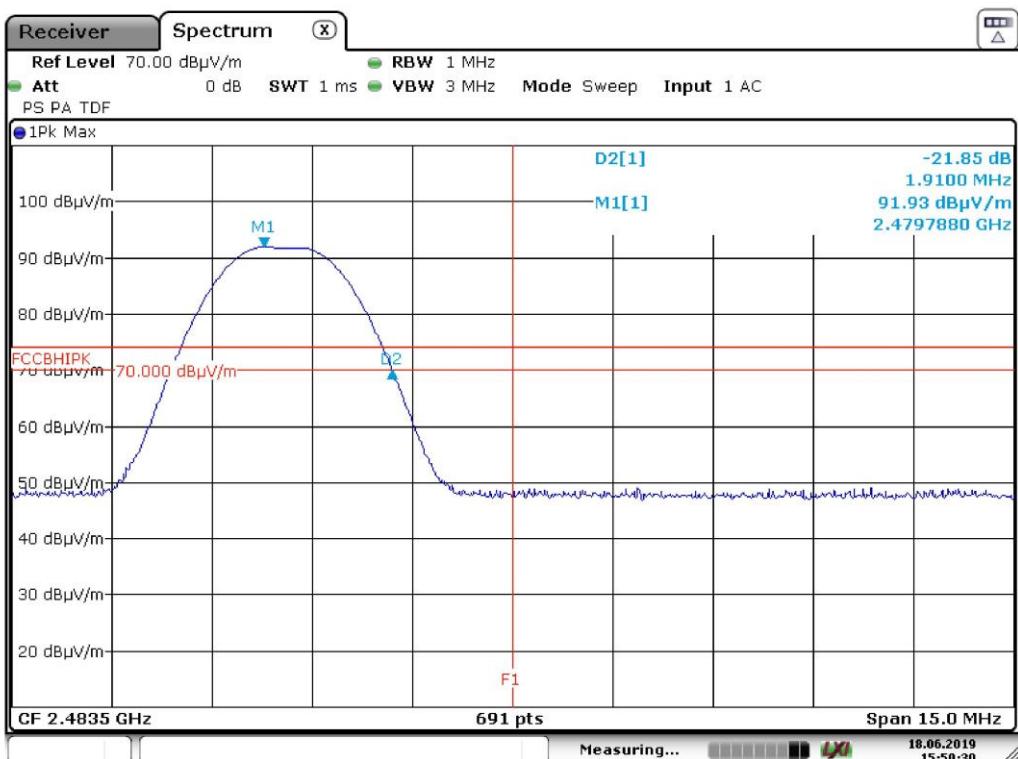
CMC
Centro Misure Compatibilità S.r.l.
Via della Fisica, 20
36016 Thiene (VI)



ACCREDIA
L'ENTE ITALIANO DI ACCREDITAMENTO

LAB N° 0168

Graphs



Gandini 19118012

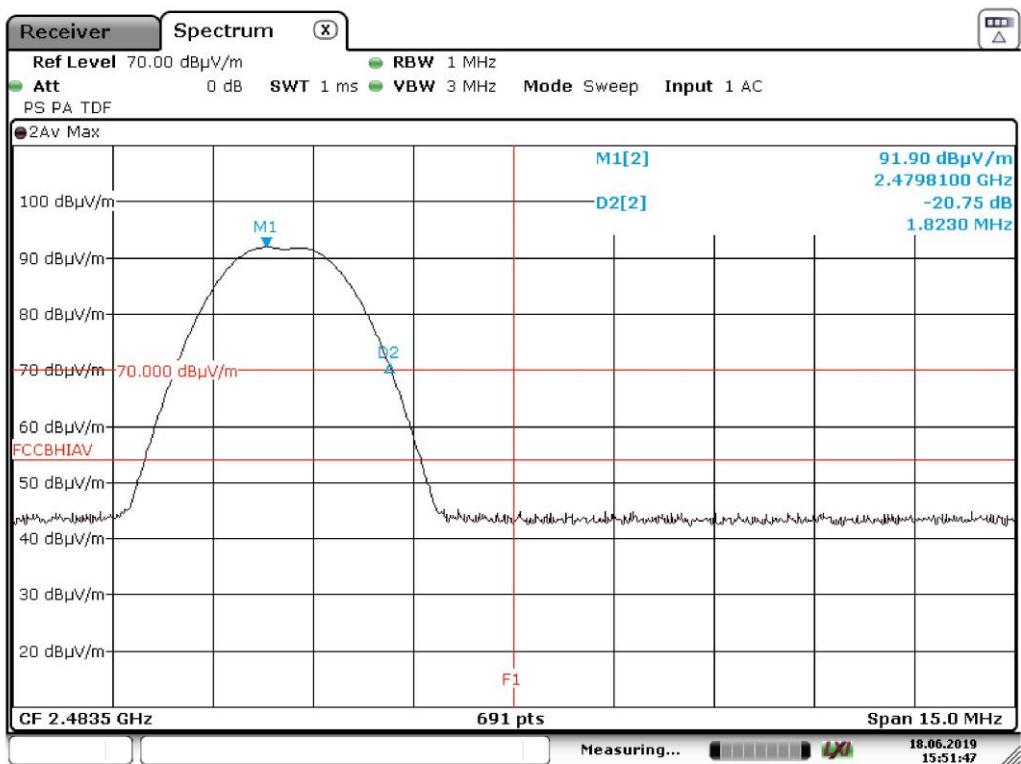


CMC
Centro Misure Compatibilità S.r.l.
Via della Fisica, 20
36016 Thiene (VI)



ACCREDIA
L'ENTE ITALIANO DI ACCREDITAMENTO

LAB N° 0168



Gandini 19118013

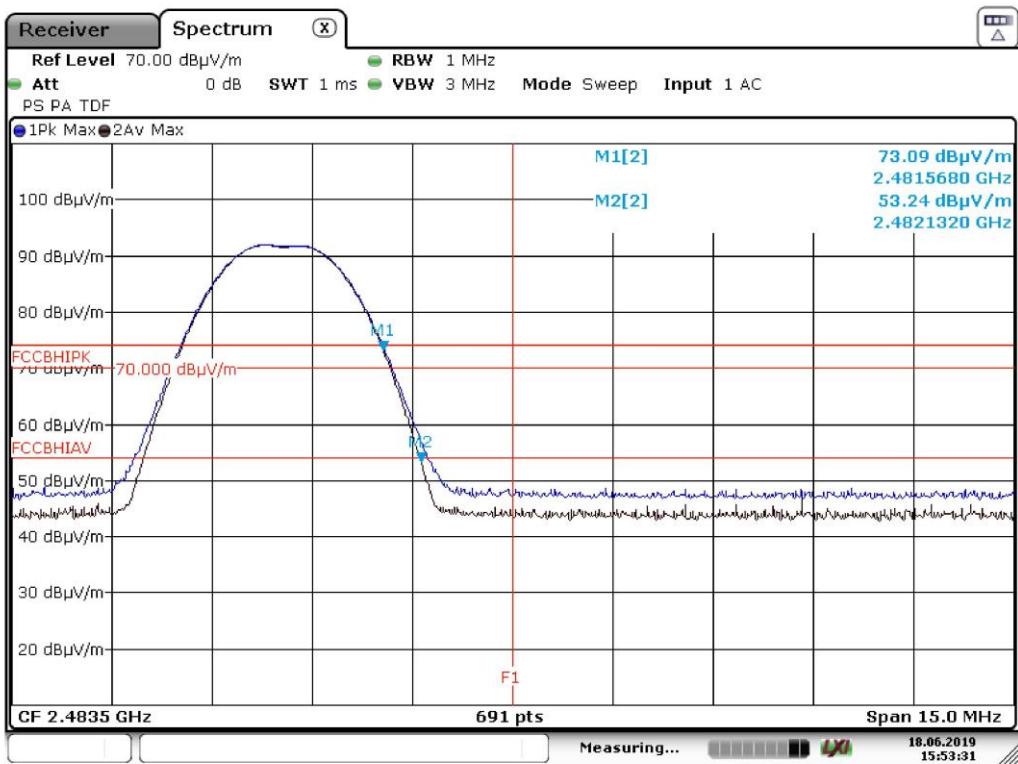


CMC
Centro Misure Compatibilità S.r.l.
Via della Fisica, 20
36016 Thiene (VI)



ACCREDIA
L'ENTE ITALIANO DI ACCREDITAMENTO

LAB N° 0168



Gandini 19118014

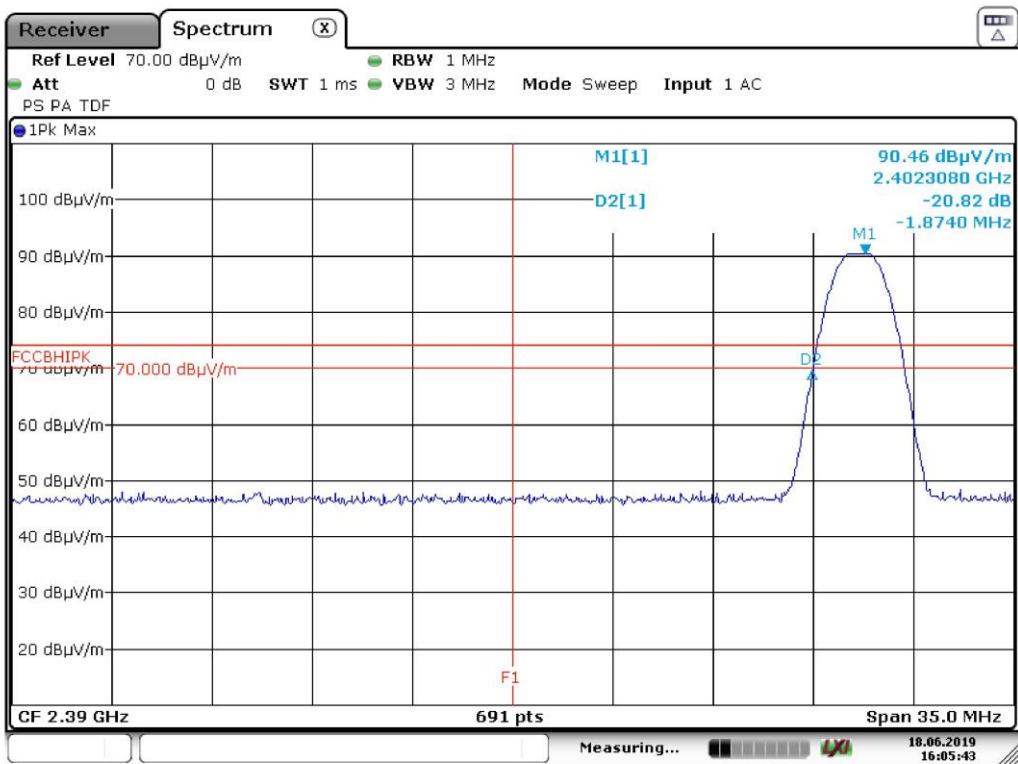


CMC
Centro Misure Compatibilità S.r.l.
Via della Fisica, 20
36016 Thiene (VI)



ACCREDIA
L'ENTE ITALIANO DI ACCREDITAMENTO

LAB N° 0168



Gandini 19118015

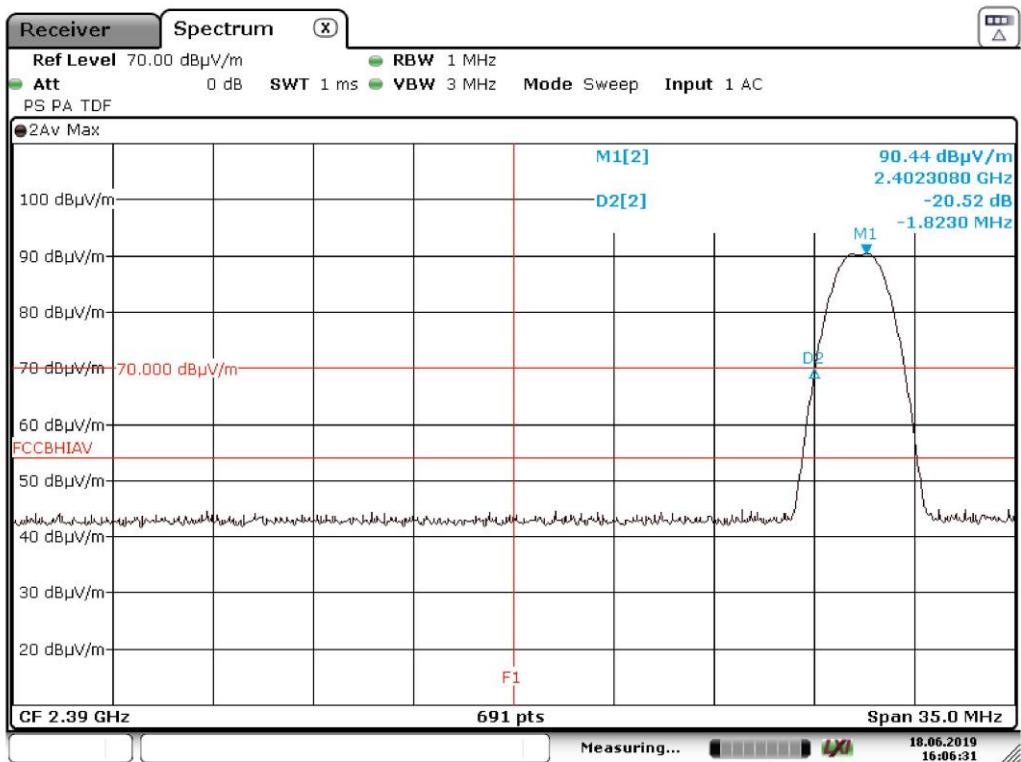


CMC
Centro Misure Compatibilità S.r.l.
Via della Fisica, 20
36016 Thiene (VI)



ACCREDIA
L'ENTE ITALIANO DI ACCREDITAMENTO

LAB N° 0168



Gandini 19118016

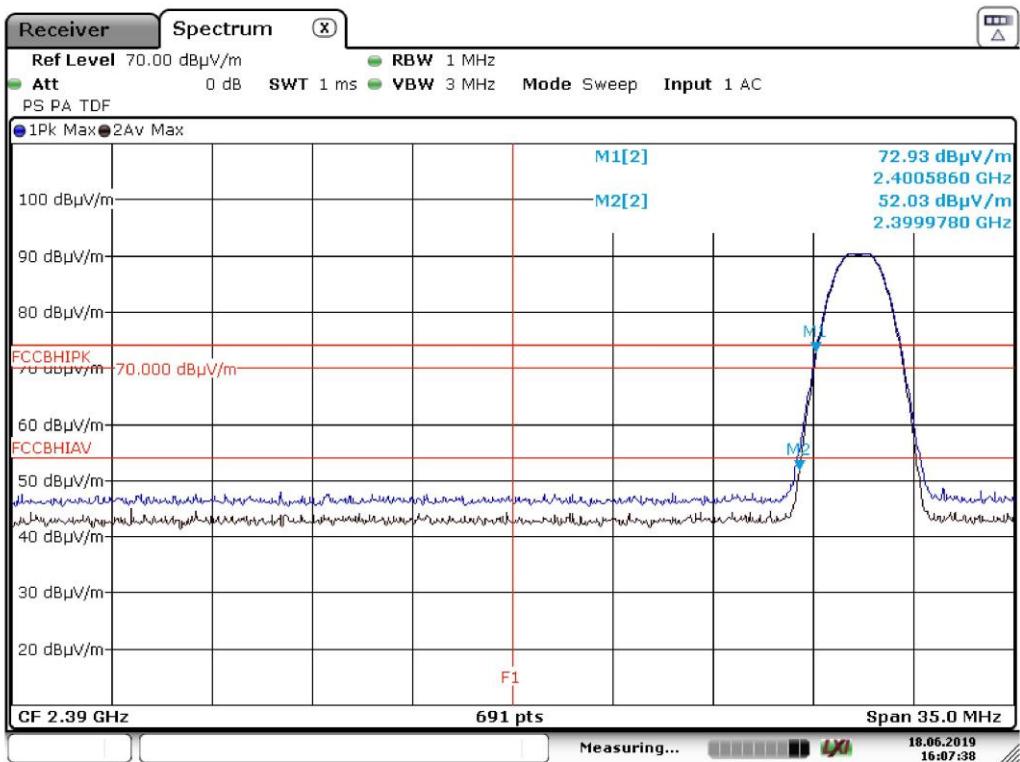


CMC
Centro Misure Compatibilità S.r.l.
Via della Fisica, 20
36016 Thiene (VI)



ACCREDIA
L'ENTE ITALIANO DI ACCREDITAMENTO

LAB N° 0168



Gandini 19118017

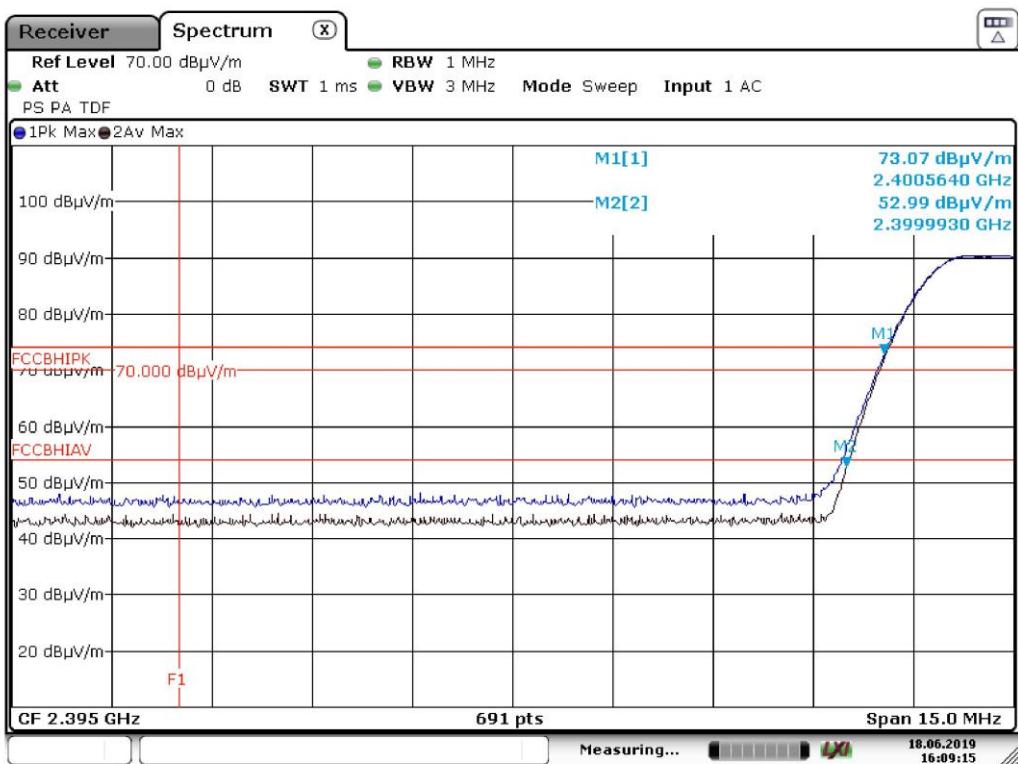


CMC
Centro Misure Compatibilità S.r.l.
Via della Fisica, 20
36016 Thiene (VI)



ACCREDIA
L'ENTE ITALIANO DI ACCREDITAMENTO

LAB N° 0168



Gandini 19118018

Result: The requirements are met



11.6 Fundamental emission output power

Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part 15.247 (b) (3)
- ANSI C63.10 cl. 11.9.1.1
- KDB 558074 D01 DTS Meas Guidance v05r02 cl. 8.3.1.1
- Internal procedure PM001
- See clause 4 of this test report

EUT exercising

See clause 4 of this test report

Test configuration

Test site:
Laboratory

Auxiliary equipment:
See clause 4 of this test report

Test specification

Port: antenna connector

Test equipment used

CMC S295
Measurement uncertainty: See clause 7 of this test report

Environmental conditions

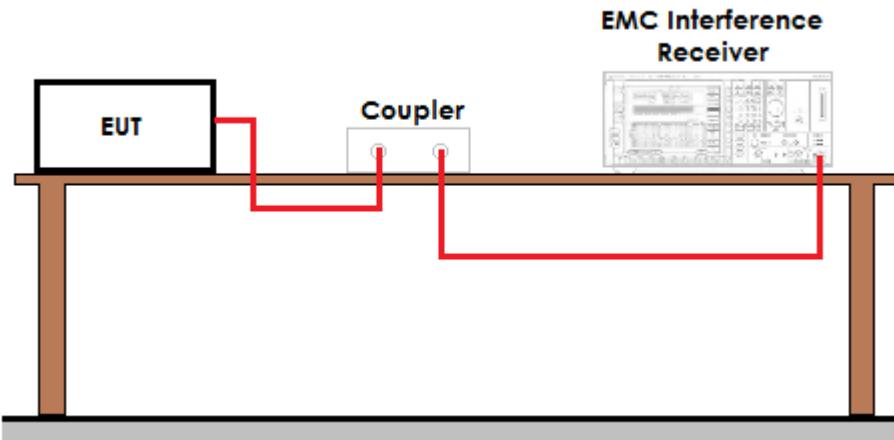
Temperature (°C)	Atmospheric pressure (kPa)	Relative humidity (%)
22	100	42

Acceptance limits:

For systems using digital modulation in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands: 1 Watt



Setup



Result

Channel	Graphs	Peak Output Power (dBm)	Peak Output Power (W)	Limits (W)	EIRP @ 3 m (dB μ V/m)
Lowest	G19118038	4,20	0,0026	1,00	100,43
Medium	G19118043	4,40	0,0028	1,00	100,63
Highest	G19118047	4,40	0,0028	1,00	100,63



CMC
Centro Misure Compatibilità S.r.l.
Via della Fisica, 20
36016 Thiene (VI)

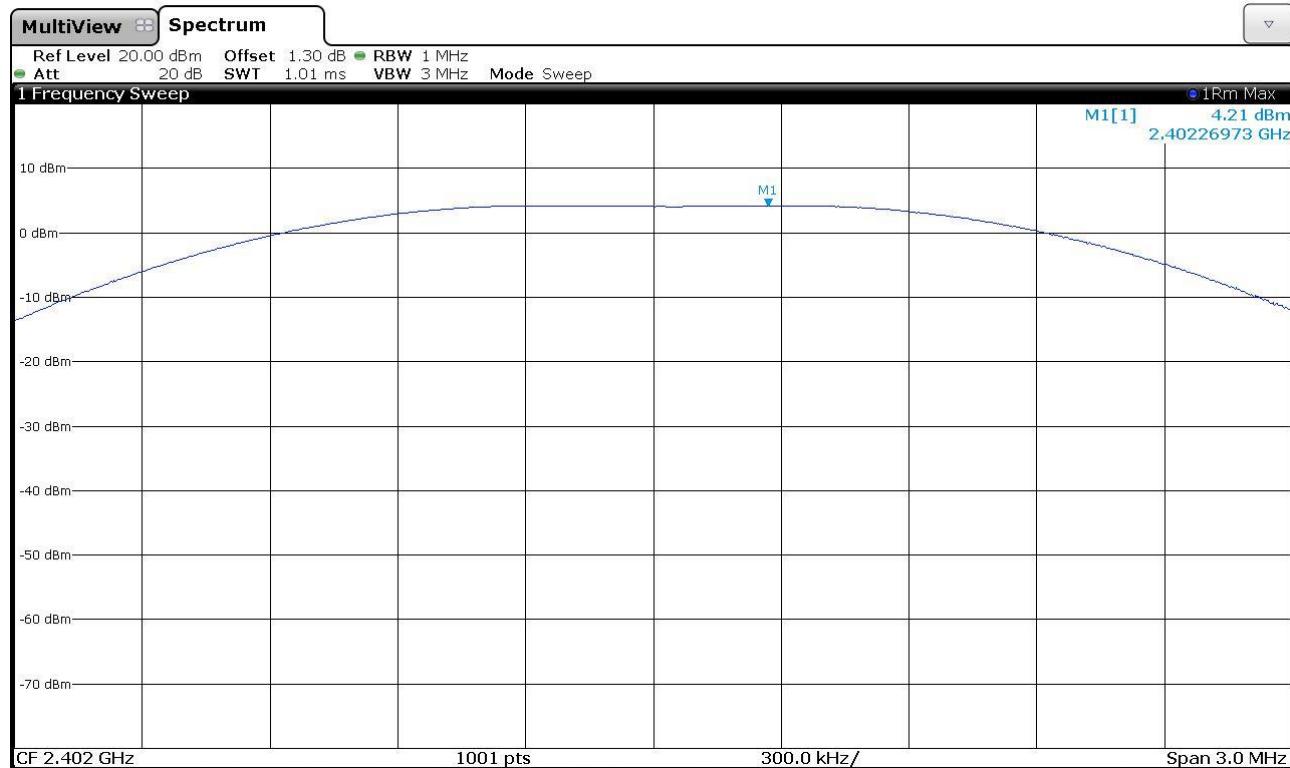


ACCREDIA
L'ENTE ITALIANO DI ACCREDITAMENTO

LAB N° 0168

Graphs

Gandini 19118038



Gandini 19118043





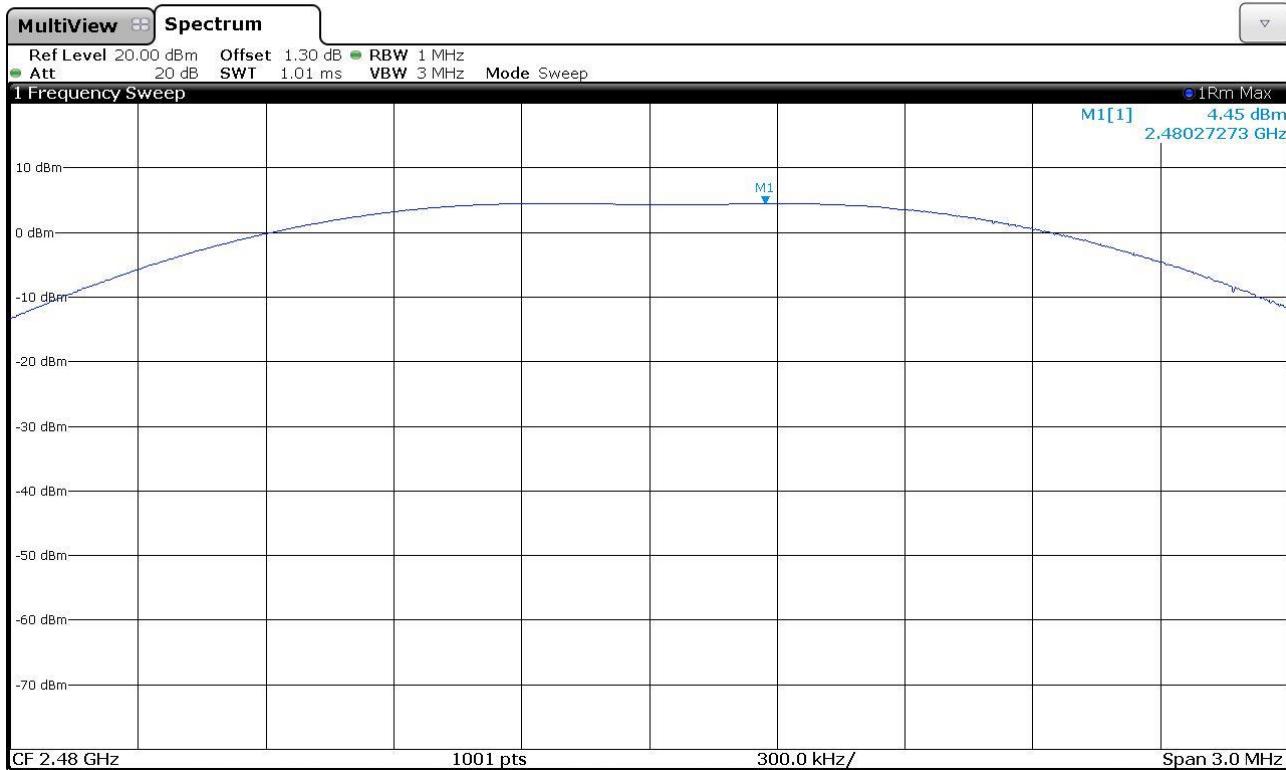
CMC
Centro Misure Compatibilità S.r.l.
Via della Fisica, 20
36016 Thiene (VI)



ACCREDIA
L'ENTE ITALIANO DI ACCREDITAMENTO

LAB N° 0168

Gandini 19118047



Result: The requirements are met



11.7 Maximum power spectral density level in the fundamental emission

Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part 15.247 (e)
- ANSI C63.10 cl. 11.10.2
- KDB 558074 D01 DTS Meas Guidance v05r02 cl. 8.4
- Internal procedure PM001
- See clause 4 of this test report

EUT exercising

See clause 4 of this test report

Test configuration

Test site:
Laboratory

Auxiliary equipment:
See clause 4 of this test report

Test specification

Port: antenna connector

Test equipment used

CMC S295
Measurement uncertainty: See clause 7 of this test report

Environmental conditions

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

Acceptance limits:

Frequency Range	Power Spectral Density
2400 – 2483,5 MHz	8 dBm/3 kHz 6,31 mW/3 kHz



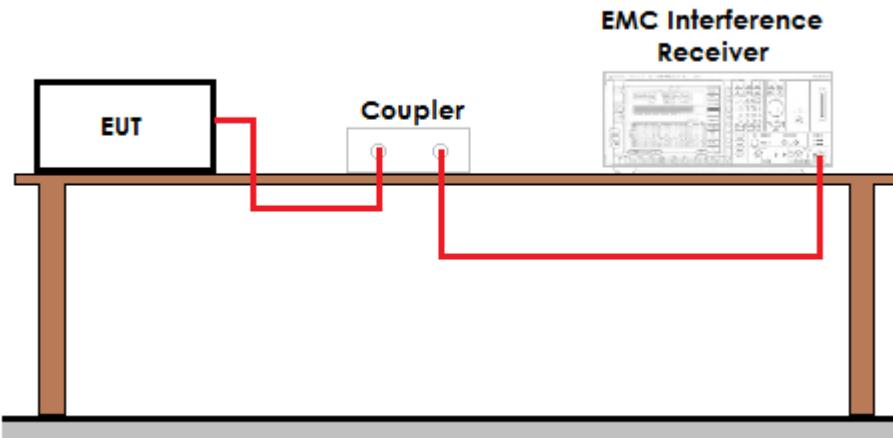
CMC
Centro Misure Compatibilità S.r.l.
Via della Fisica, 20
36016 Thiene (VI)



ACCREDIA
L'ENTE ITALIANO DI ACCREDITAMENTO

LAB N° 0168

Setup



Result

Channel	Graphs	Measured level (dBm/3 kHz)	Limits (dBm/3 kHz)
Lowest	G19118041	4,20	8,00
Medium	G19118051	4,60	8,00
Highest	G19118050	4,60	8,00



CMC
Centro Misure Compatibilità S.r.l.
Via della Fisica, 20
36016 Thiene (VI)

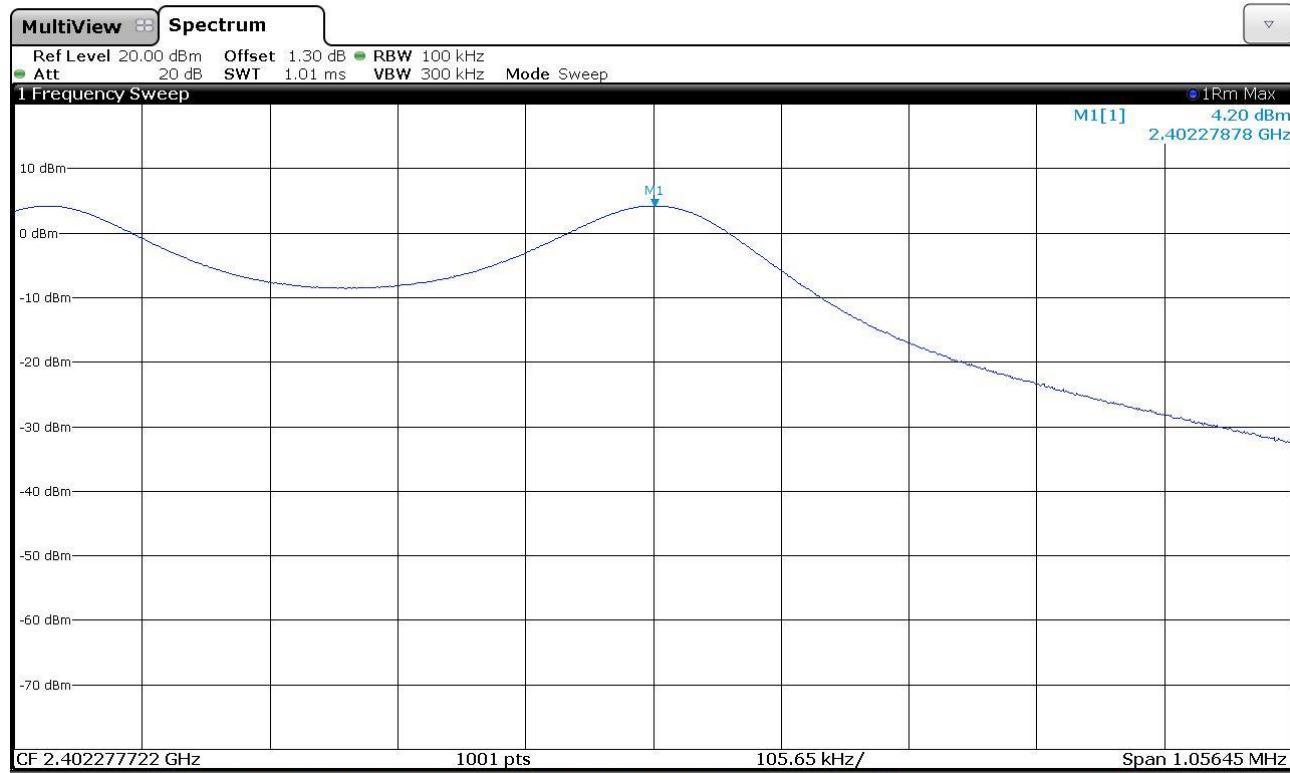


ACCREDIA
L'ENTE ITALIANO DI ACCREDITAMENTO

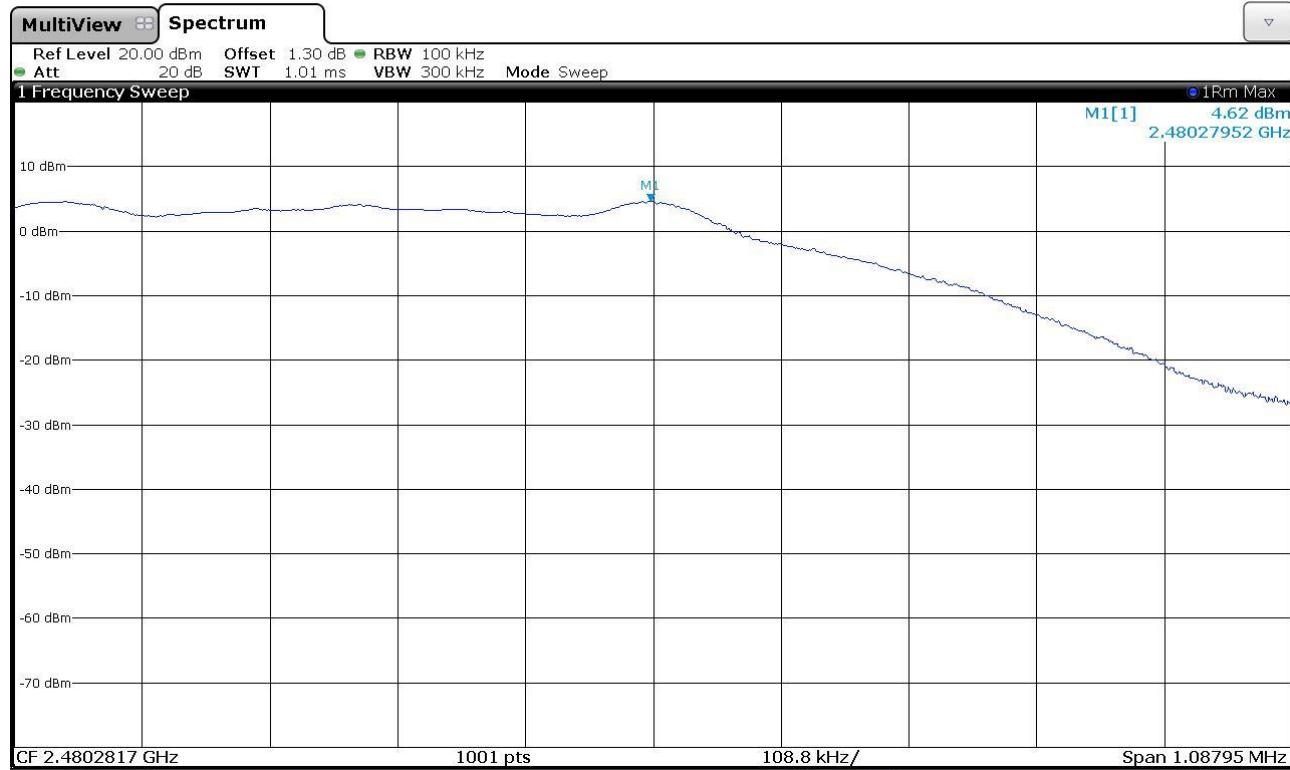
LAB N° 0168

Graphs

Gandini 19118041



Gandini 19118050





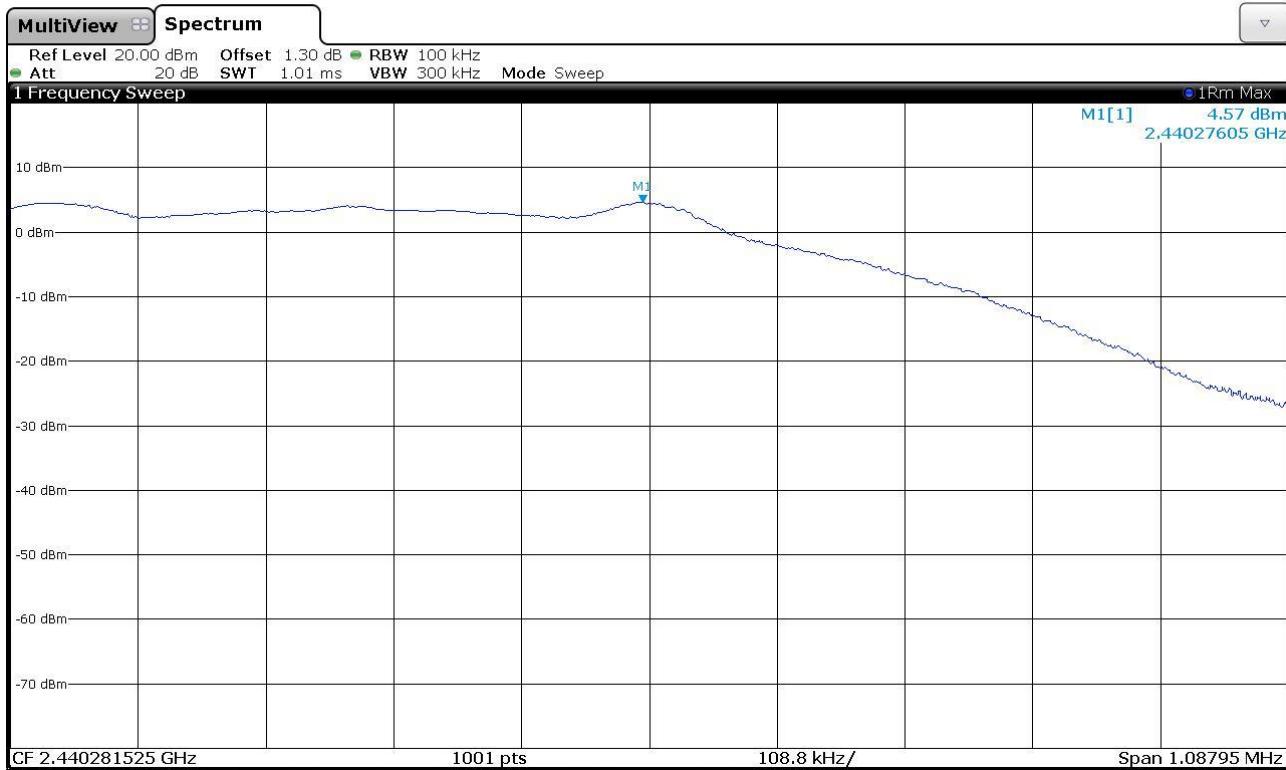
CMC
Centro Misure Compatibilità S.r.l.
Via della Fisica, 20
36016 Thiene (VI)



ACCREDIA
L'ENTE ITALIANO DI ACCREDITAMENTO

LAB N° 0168

Gandini 19118051



Result: The requirements are met