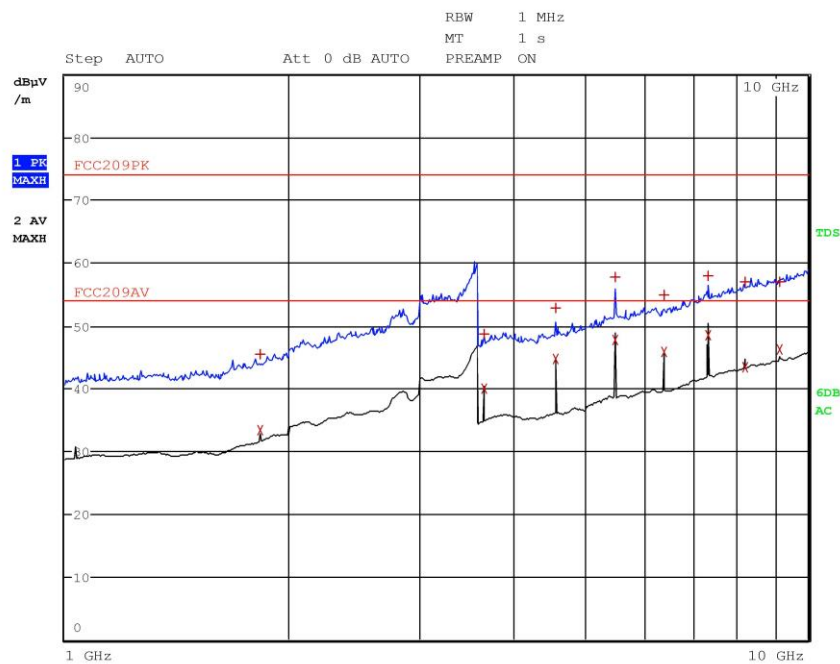




G16178333

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Fmin - Ant. Int.
Operator Gandini 16178333
Test Spec
Vert





Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Fmin - Ant. Int.
Operator Gandini 16178333
Test Spec
Vert

Final Measurement

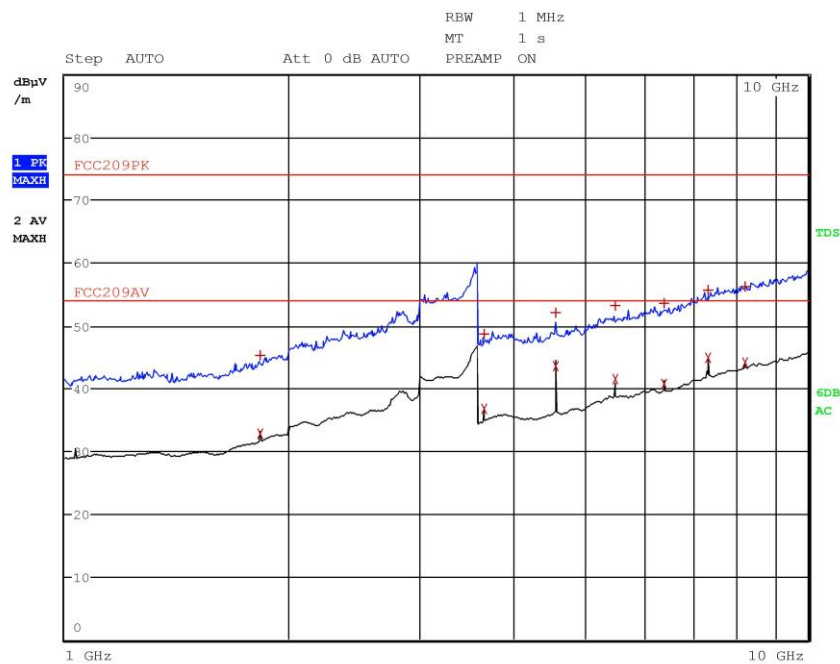
Meas Time: 1 s
Margin: 20 dB
Subranges: 16

Trace	Frequency	Level (dBµV/m)	Detector	Delta Limit/dB
2	1.830400000 GHz	33.35	Average	-20.63
1	1.832000000 GHz	45.42	Max Peak	-28.56
2	3.660800000 GHz	39.98	Average	-14.00
1	3.669600000 GHz	48.60	Max Peak	-25.38
1	4.575600000 GHz	52.87	Max Peak	-21.11
2	4.576000000 GHz	44.63	Average	-9.35
2	5.490800000 GHz	47.75	Average	-6.23
1	5.491200000 GHz	57.81	Max Peak	-16.17
1	6.406000000 GHz	54.87	Max Peak	-19.11
2	6.406000000 GHz	45.80	Average	-8.18
1	7.321200000 GHz	57.98	Max Peak	-16.00
2	7.321200000 GHz	48.51	Average	-5.47
1	8.227600000 GHz	56.97	Max Peak	-17.01
2	8.236400000 GHz	43.48	Average	-10.50
2	9.151600000 GHz	46.30	Average	-7.68
1	9.161600000 GHz	57.04	Max Peak	-16.94



G16178334

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Fmin - Ant. Int.
Operator Gandini 16178334
Test Spec
Horiz





Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Fmin - Ant. Int.
Operator Gandini 16178334
Test Spec
Horiz

Final Measurement

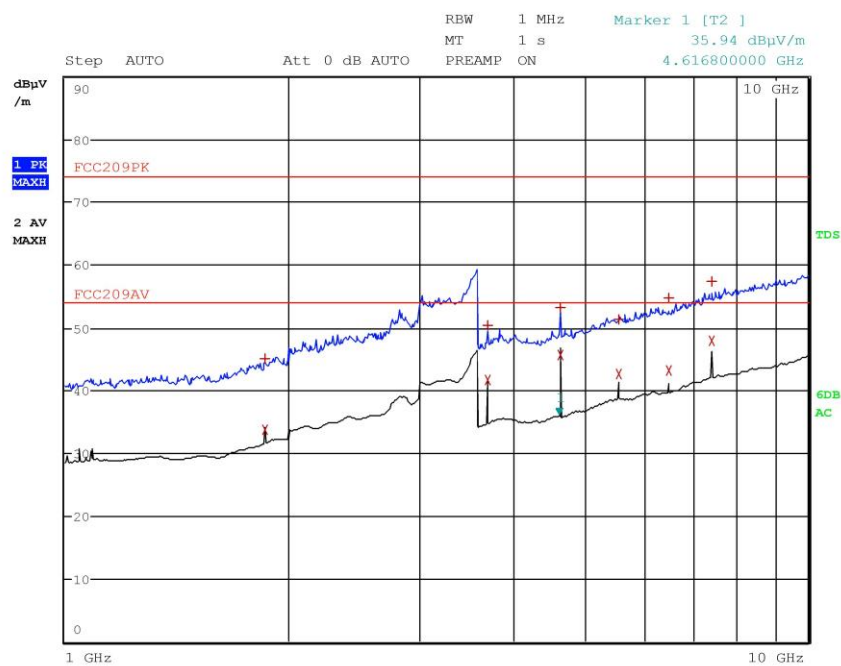
Meas Time: 1 s
Margin: 20 dB
Subranges: 14

Trace	Frequency	Level (dBµV/m)	Detector	Delta Limit/dB
1	1.830000000 GHz	45.28	Max Peak	-28.70
2	1.830400000 GHz	32.72	Average	-21.26
1	3.660400000 GHz	48.67	Max Peak	-25.31
2	3.660800000 GHz	36.78	Average	-17.20
1	4.575600000 GHz	52.11	Max Peak	-21.87
2	4.575600000 GHz	43.64	Average	-10.34
2	5.490800000 GHz	41.57	Average	-12.41
1	5.508800000 GHz	53.14	Max Peak	-20.84
1	6.406000000 GHz	53.53	Max Peak	-20.45
2	6.406000000 GHz	40.76	Average	-13.22
2	7.321200000 GHz	44.85	Average	-9.13
1	7.347600000 GHz	55.65	Max Peak	-18.33
1	8.226800000 GHz	56.34	Max Peak	-17.64
2	8.236400000 GHz	44.24	Average	-9.74



G16178368

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Fmax - Ant. Ext
Operator Panozzo 16178368
Test Spec
Vert.





Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Fmax - Ant. Ext
Operator Panozzo 16178368
Test Spec
Vert.

Final Measurement

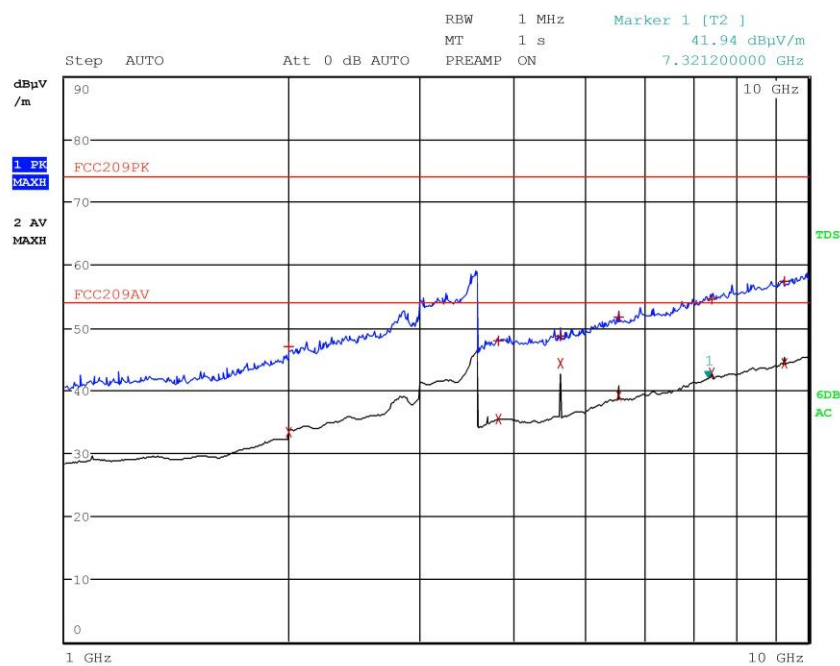
Meas Time: 1 s
Margin: 20 dB
Subranges: 12

Trace	Frequency	Level (dBµV/m)	Detector	Delta Limit/dB
1	1.855200000 GHz	45.01	Max Peak	-28.97
2	1.856000000 GHz	33.71	Average	-20.27
2	3.711200000 GHz	41.65	Average	-12.33
1	3.711600000 GHz	50.33	Max Peak	-23.65
1	4.639200000 GHz	53.13	Max Peak	-20.85
2	4.639200000 GHz	45.73	Average	-8.25
1	5.561200000 GHz	51.41	Max Peak	-22.57
2	5.567200000 GHz	42.69	Average	-11.29
1	6.494800000 GHz	54.73	Max Peak	-19.25
2	6.495200000 GHz	43.13	Average	-10.85
1	7.422800000 GHz	57.30	Max Peak	-16.68
2	7.422800000 GHz	48.01	Average	-5.97



G16178369

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Fmax - Ant. Ext
Operator Panozzo 16178369
Test Spec
Horiz.





Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Fmax - Ant. Ext
Operator Panozzo 16178369
Test Spec
Horiz.

Final Measurement

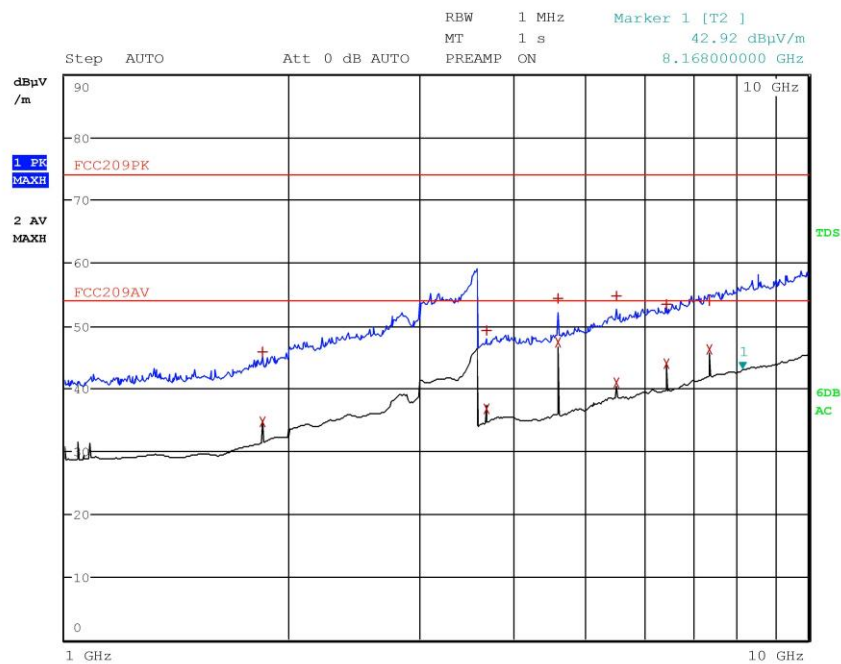
Meas Time: 1 s
Margin: 20 dB
Subranges: 12

Trace	Frequency	Level (dBµV/m)	Detector	Delta Limit/dB
1	2.004400000 GHz	47.06	Max Peak	-26.92
2	2.004400000 GHz	33.42	Average	-20.56
2	3.826000000 GHz	35.45	Average	-18.53
1	3.828000000 GHz	47.94	Max Peak	-26.04
1	4.639200000 GHz	48.67	Max Peak	-25.31
2	4.639200000 GHz	44.26	Average	-9.72
1	5.567200000 GHz	51.66	Max Peak	-22.32
2	5.567200000 GHz	39.26	Average	-14.72
1	7.404800000 GHz	54.53	Max Peak	-19.45
2	7.423200000 GHz	42.75	Average	-11.23
1	9.276400000 GHz	57.37	Max Peak	-16.61
2	9.278400000 GHz	44.27	Average	-9.71



G16178370

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Fmed - Ant. Ext
Operator Panozzo 16178370
Test Spec
Vert.





Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Fmed - Ant. Ext
Operator Panozzo 16178370
Test Spec
Vert.

Final Measurement

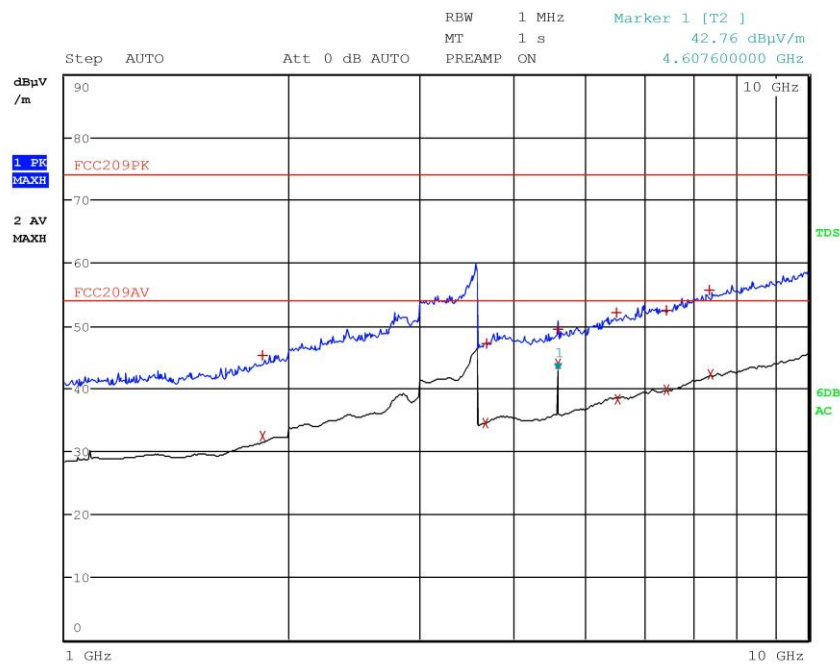
Meas Time: 1 s
Margin: 20 dB
Subranges: 12

Trace	Frequency	Level (dBµV/m)	Detector	Delta Limit/dB
1	1.842800000 GHz	45.83	Max Peak	-28.15
2	1.842800000 GHz	34.72	Average	-19.26
1	3.686400000 GHz	49.29	Max Peak	-24.69
2	3.686400000 GHz	36.83	Average	-17.15
1	4.607600000 GHz	54.27	Max Peak	-19.71
2	4.607600000 GHz	47.45	Average	-6.53
1	5.529200000 GHz	54.83	Max Peak	-19.15
2	5.529200000 GHz	40.91	Average	-13.07
2	6.450400000 GHz	43.93	Average	-10.05
1	6.450800000 GHz	53.45	Max Peak	-20.53
1	7.354400000 GHz	54.03	Max Peak	-19.95
2	7.371600000 GHz	46.14	Average	-7.84



G16178371

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Fmed - Ant. Ext
Operator Panozzo 16178371
Test Spec
Horiz.





Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Fmed - Ant. Ext
Operator Panozzo 16178371
Test Spec
Horiz.

Final Measurement

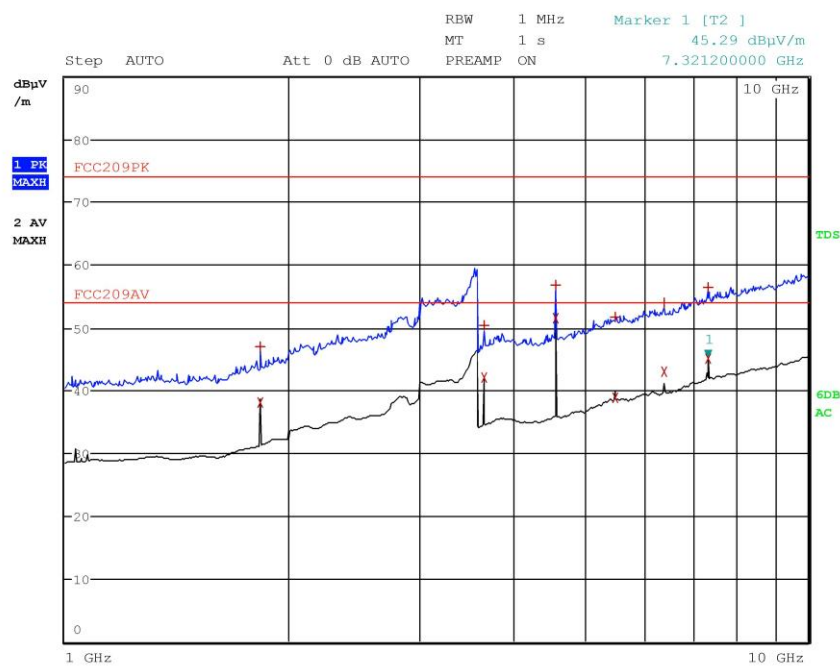
Meas Time: 1 s
Margin: 20 dB
Subranges: 12

Trace	Frequency	Level (dBµV/m)	Detector	Delta Limit/dB
1	1.842800000 GHz	45.30	Max Peak	-28.68
2	1.842800000 GHz	32.40	Average	-21.58
1	3.686400000 GHz	47.26	Max Peak	-26.72
2	3.686400000 GHz	34.53	Average	-19.45
2	4.607600000 GHz	44.02	Average	-9.96
1	4.607600000 GHz	49.39	Max Peak	-24.59
1	5.529200000 GHz	52.15	Max Peak	-21.83
2	5.529200000 GHz	38.38	Average	-15.60
2	6.450400000 GHz	39.75	Average	-14.23
1	6.450800000 GHz	52.53	Max Peak	-21.45
1	7.354400000 GHz	55.69	Max Peak	-18.29
2	7.371600000 GHz	42.20	Average	-11.78



G16178372

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Fmin - Ant. Ext
Operator Panozzo 16178372
Test Spec
Vert.





Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Fmin - Ant. Ext
Operator Panozzo 16178372
Test Spec
Vert.

Final Measurement

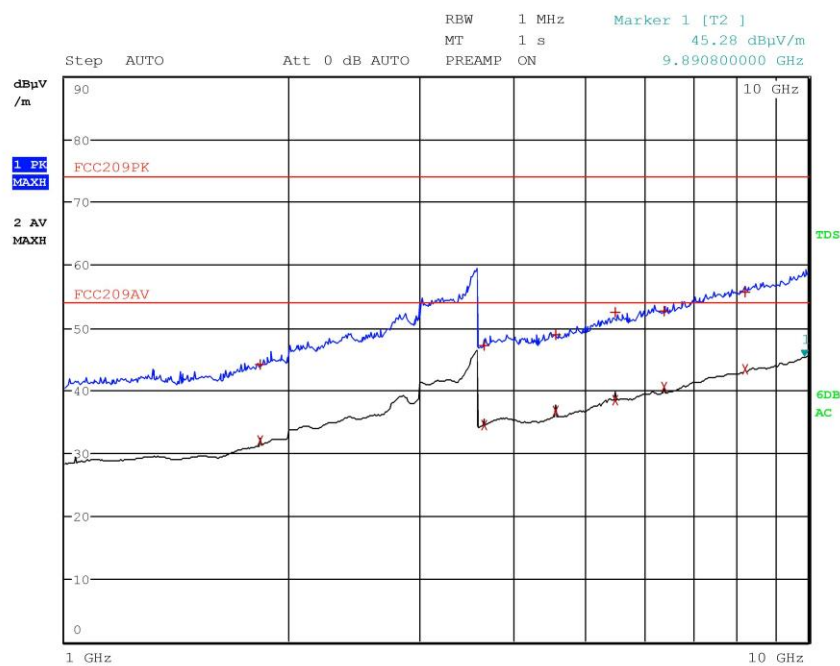
Meas Time: 1 s
Margin: 20 dB
Subranges: 12

Trace	Frequency	Level (dBµV/m)	Detector	Delta Limit/dB
1	1.830400000 GHz	47.07	Max Peak	-26.91
2	1.830400000 GHz	38.09	Average	-15.89
1	3.660400000 GHz	50.39	Max Peak	-23.59
2	3.660800000 GHz	42.06	Average	-11.92
1	4.575600000 GHz	56.81	Max Peak	-17.17
2	4.575600000 GHz	51.54	Average	-2.44
2	5.490800000 GHz	38.82	Average	-15.16
1	5.499600000 GHz	51.80	Max Peak	-22.18
1	6.406000000 GHz	54.03	Max Peak	-19.95
2	6.406000000 GHz	42.94	Average	-11.04
1	7.321200000 GHz	56.35	Max Peak	-17.63
2	7.321200000 GHz	45.00	Average	-8.98



G16178373

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Fmin - Ant. Ext
Operator Panozzo 16178373
Test Spec
Horiz.





Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx - Fmin - Ant. Ext
Operator Panozzo 16178373
Test Spec
Horiz.

Final Measurement

Meas Time: 1 s
Margin: 20 dB
Subranges: 12

Trace	Frequency	Level (dBµV/m)	Detector	Delta Limit/dB
1	1.829200000 GHz	44.16	Max Peak	-29.82
2	1.830400000 GHz	31.96	Average	-22.02
2	3.660800000 GHz	34.42	Average	-19.56
1	3.662000000 GHz	47.16	Max Peak	-26.82
2	4.576000000 GHz	36.68	Average	-17.30
1	4.579600000 GHz	48.90	Max Peak	-25.08
2	5.490800000 GHz	38.41	Average	-15.57
1	5.508800000 GHz	52.41	Max Peak	-21.57
1	6.394400000 GHz	52.74	Max Peak	-21.24
2	6.406000000 GHz	40.53	Average	-13.45
1	8.208400000 GHz	55.72	Max Peak	-18.26
2	8.236400000 GHz	43.36	Average	-10.62

Result: The requirements are met



11.4 20 dB bandwidth

Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part 15.247
- DA 00-705
- Internal procedure PM001
- See clause 4 of this test report

Test configuration and test method

Test site:
Laboratory

Auxiliary equipment:
See clause 4 of this test report

EUT exercising

See clause 4 of this test report

Test equipment used

CMC S108, CMC S136, CMC S227
Measurement uncertainty: See clause 7 of this test report

Test specification

See FCC Part 15.247

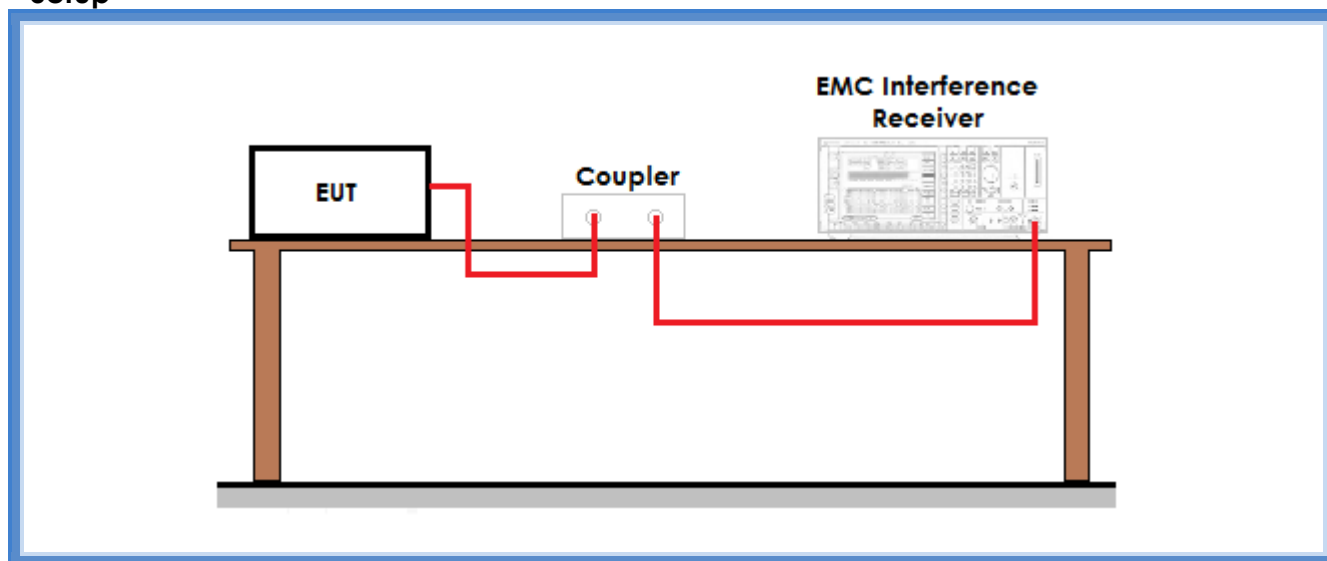
Environmental conditions

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

Acceptance limits: The maximum allowed 20 dB bandwidth of the hopping channel is 500 kHz



Setup



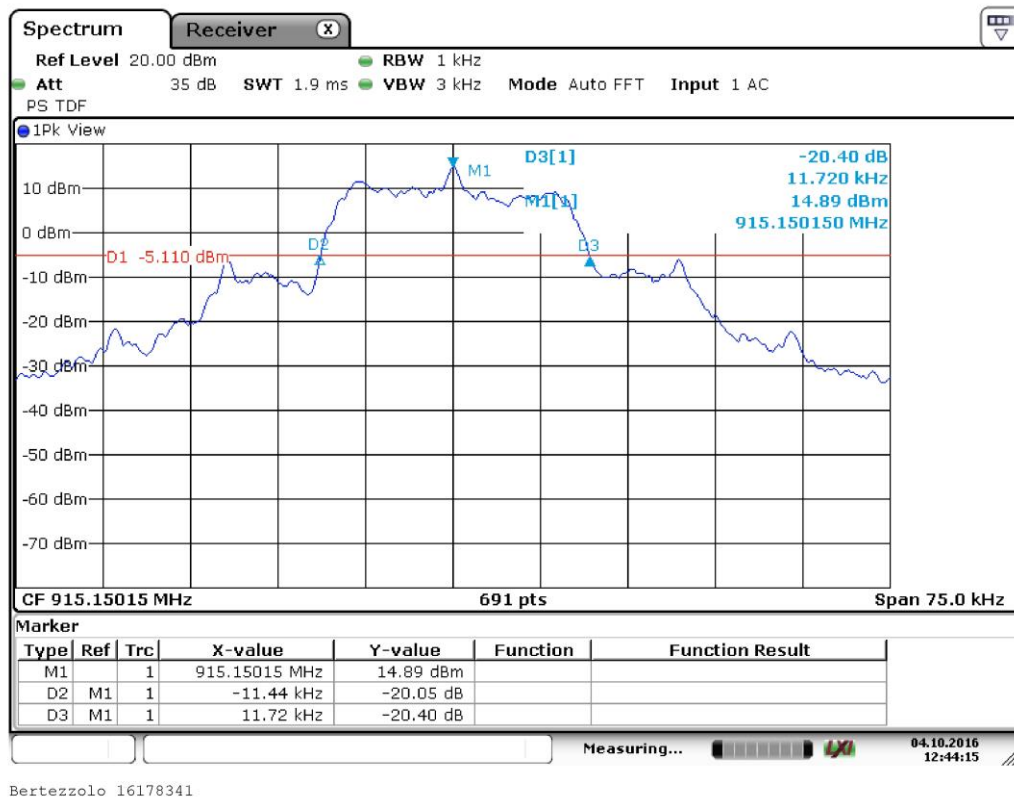
Result

Frequency (MHz)	Graphs	20 dB bandwidth (kHz)	Maximum 20 dB bandwidth allowed (kHz)	Results
915,150	G16178341	23,450	500	Complies
921,500	G16178351	23,350	500	Complies
927,850	G16178356	23,500	500	Complies



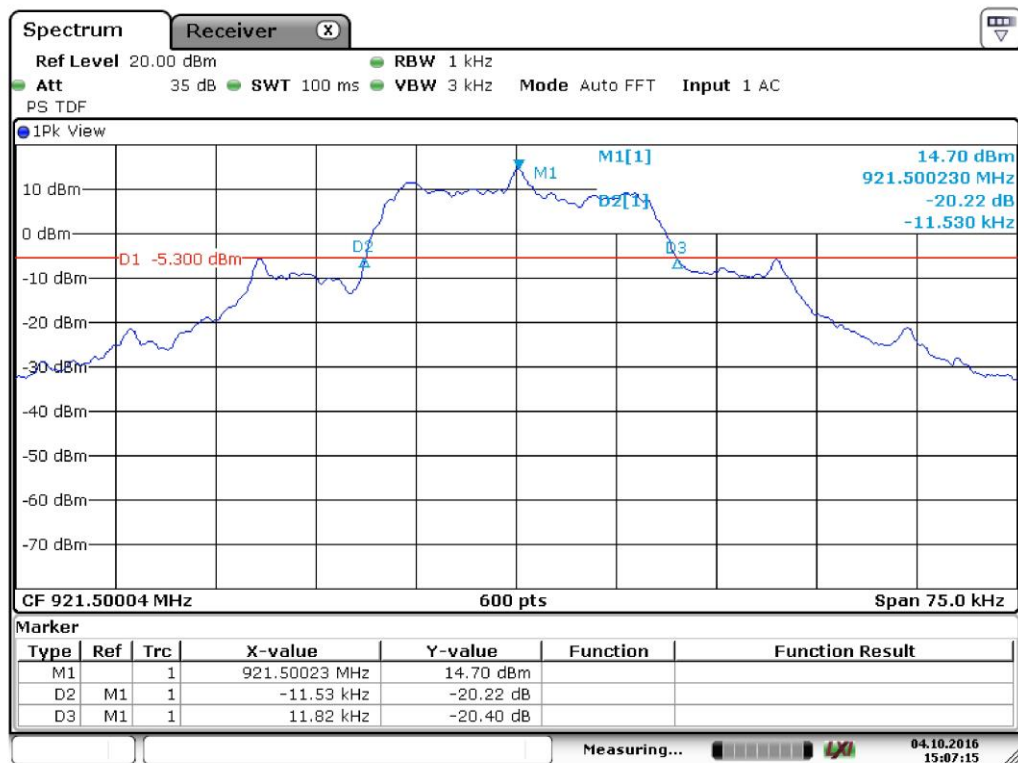
Graphs

G16178341





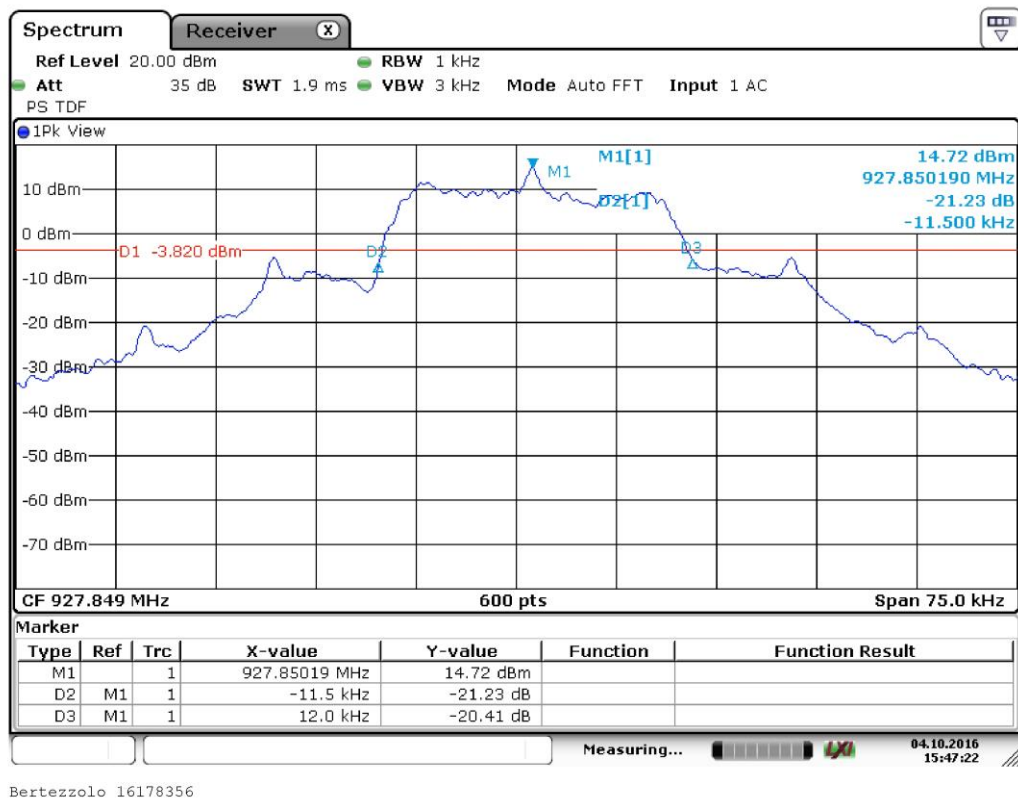
G16178351



Bertezzolo 16178351



G16178356



Bertezzolo 16178356

Result: The requirements are met



11.5 Channel separation

Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part 15.247
- DA 00-705
- Internal procedure PM001
- See clause 4 of this test report

Test configuration and test method

Test site:
Laboratory

Auxiliary equipment:
See clause 4 of this test report

EUT exercising

See clause 4 of this test report

Test equipment used

CMC S108, CMC S136, CMC S227
Measurement uncertainty: See clause 7 of this test report

Test specification

See FCC Part 15.247

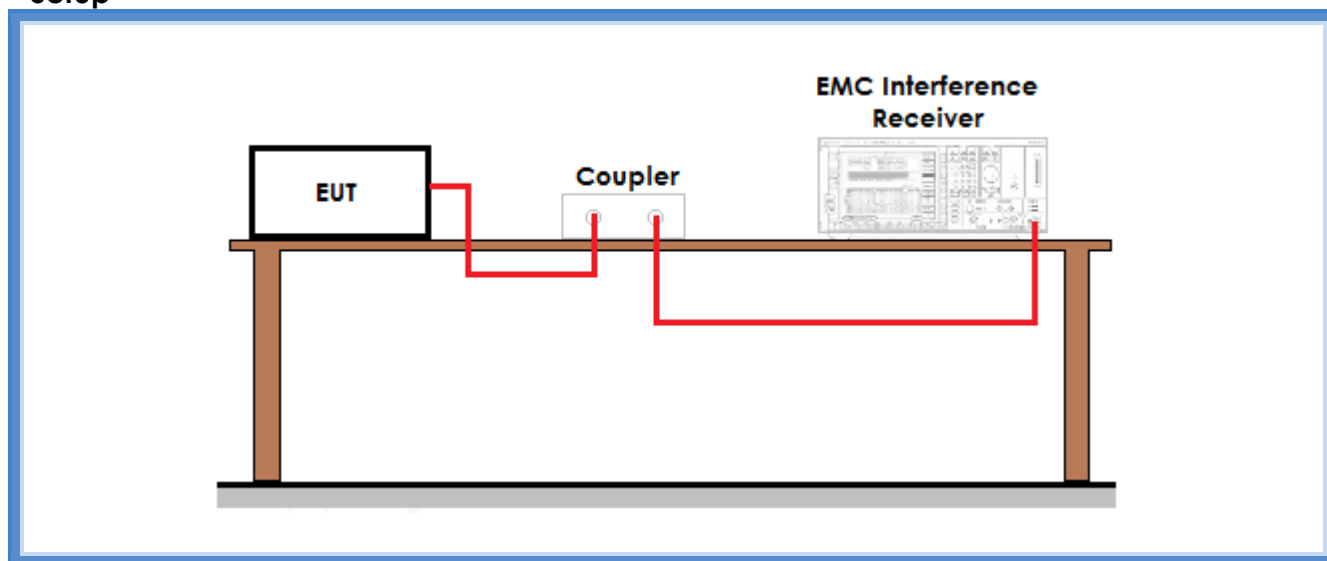
Environmental conditions

Temperature (°C)	Atmospheric pressure (kPa)	Relative humidity (%)
20	100	42

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



Setup



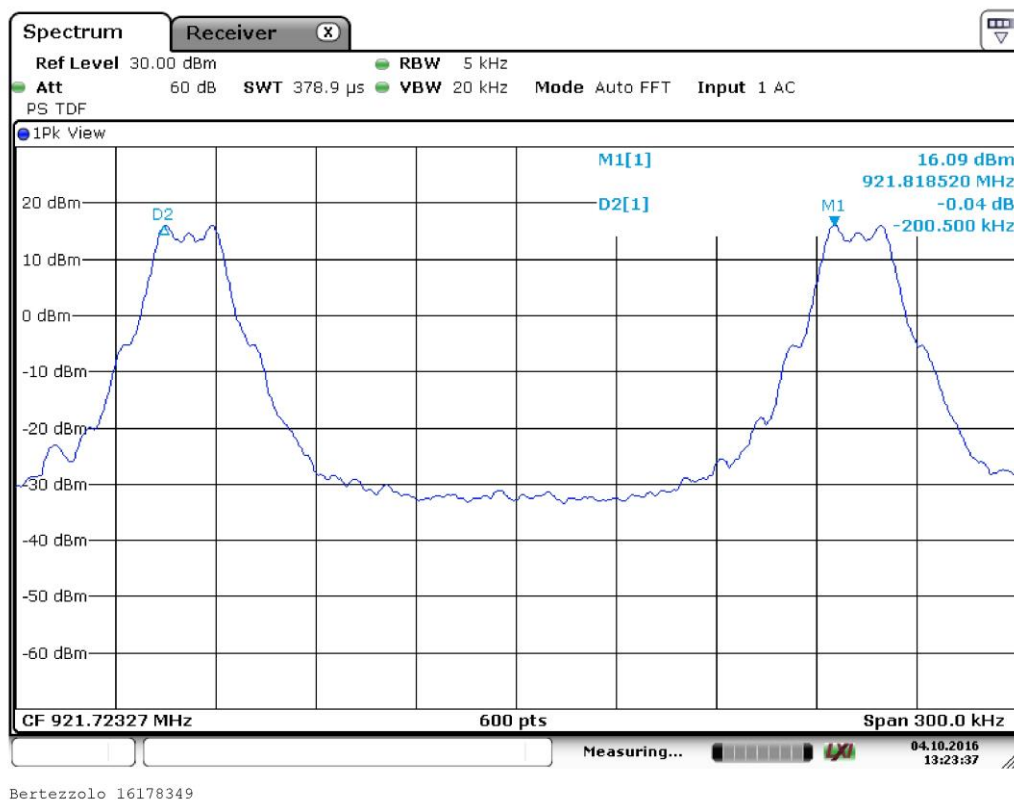
Result

Frequency band (MHz)	Graphs	Channel separation (kHz)	Minimum channel separation required (kHz)	Results
902 – 928	G16178349	200,50	25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater	Complies



Graphs

G16178349



Result: The requirements are met



11.6 Number of hopping channels

Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part 15.247
- DA 00-705
- Internal procedure PM001
- See clause 4 of this test report

Test configuration and test method

Test site:
Laboratory

Auxiliary equipment:
See clause 4 of this test report

EUT exercising

See clause 4 of this test report

Test equipment used

CMC S108, CMC S136, CMC S227
Measurement uncertainty: See clause 7 of this test report

Test specification

See FCC Part 15.247

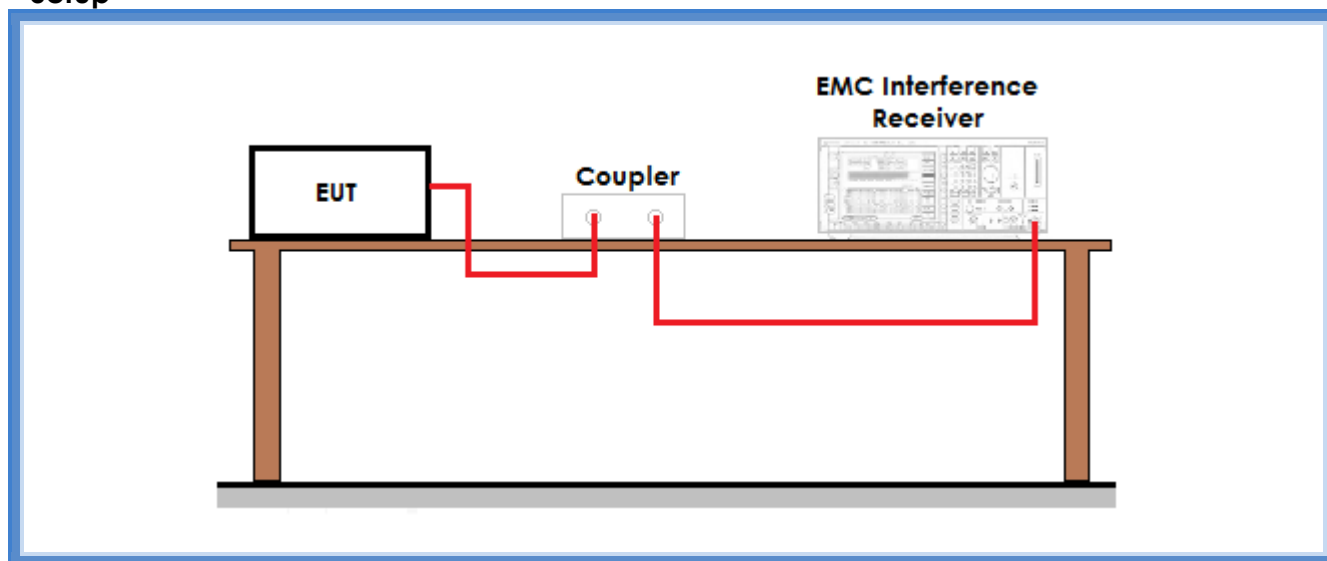
Environmental conditions

Temperature (°C)	Atmospheric pressure (kPa)	Relative humidity (%)
20	100	42

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. If the 20 dB bandwidth of the hopping channel is 250 kHz or greater, the system shall use at least 25 hopping frequencies. Frequency hopping systems in the 2400–2483.5 MHz band shall use at least 15 channels.



Setup



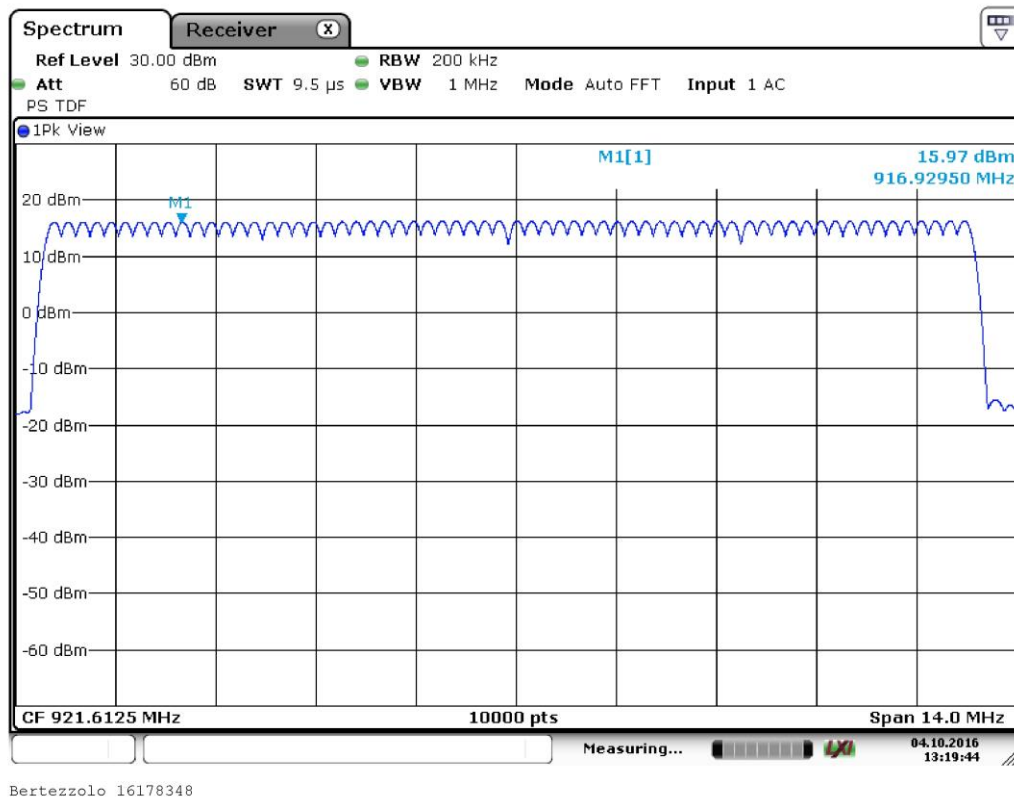
Result

Graphs	Number of hopping channels	Minimum number of hopping channels required	Results
G16178348	64	50 if the 20 dB bandwidth is less than 250 kHz 25 if the 20 dB bandwidth is 250 kHz or greater	Complies



Graphs

G16178348



Result: The requirements are met



11.7 Time of occupancy

Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part 15.247
- DA 00-705
- Internal procedure PM001
- See clause 4 of this test report

Test configuration and test method

Test site:
Laboratory

Auxiliary equipment:
See clause 4 of this test report

EUT exercising

See clause 4 of this test report

Test equipment used

CMC S108, CMC S136, CMC S227
Measurement uncertainty: See clause 7 of this test report

Test specification

See FCC Part 15.247

Environmental conditions

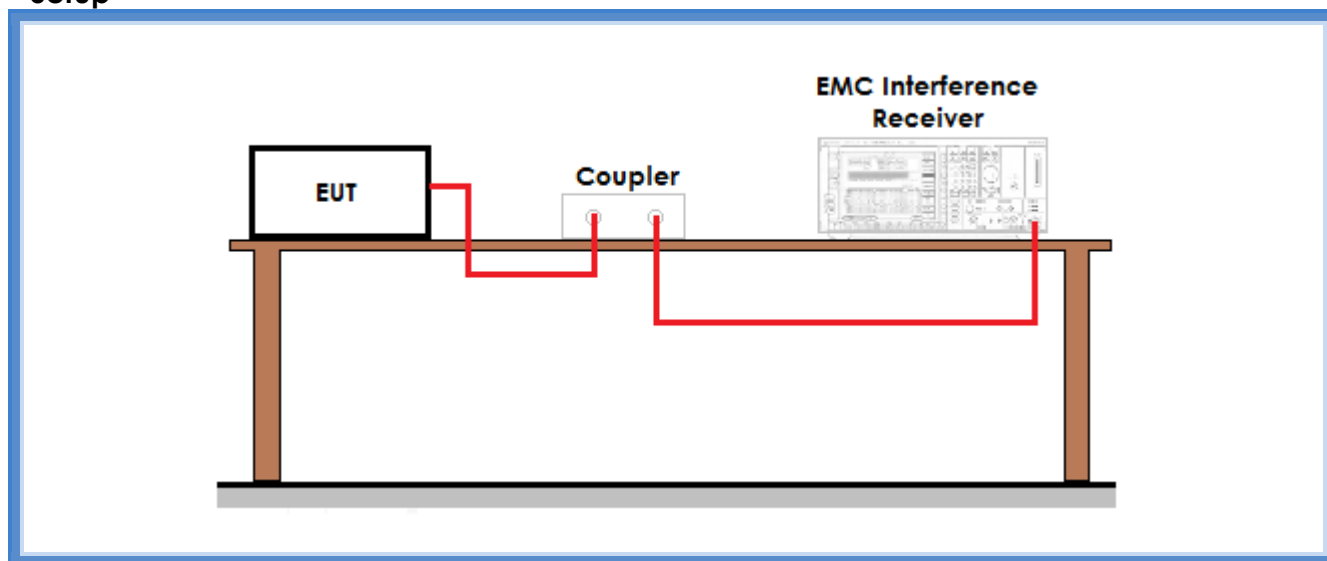
Temperature (°C)	Atmospheric pressure (kPa)	Relative humidity (%)
22	100	42

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



Setup



Result

Dwell time of transmission

Frequency (MHz)	Graphs	Dwell time (ms)
921,58	G16178350	15,025

Number of transmissions per period

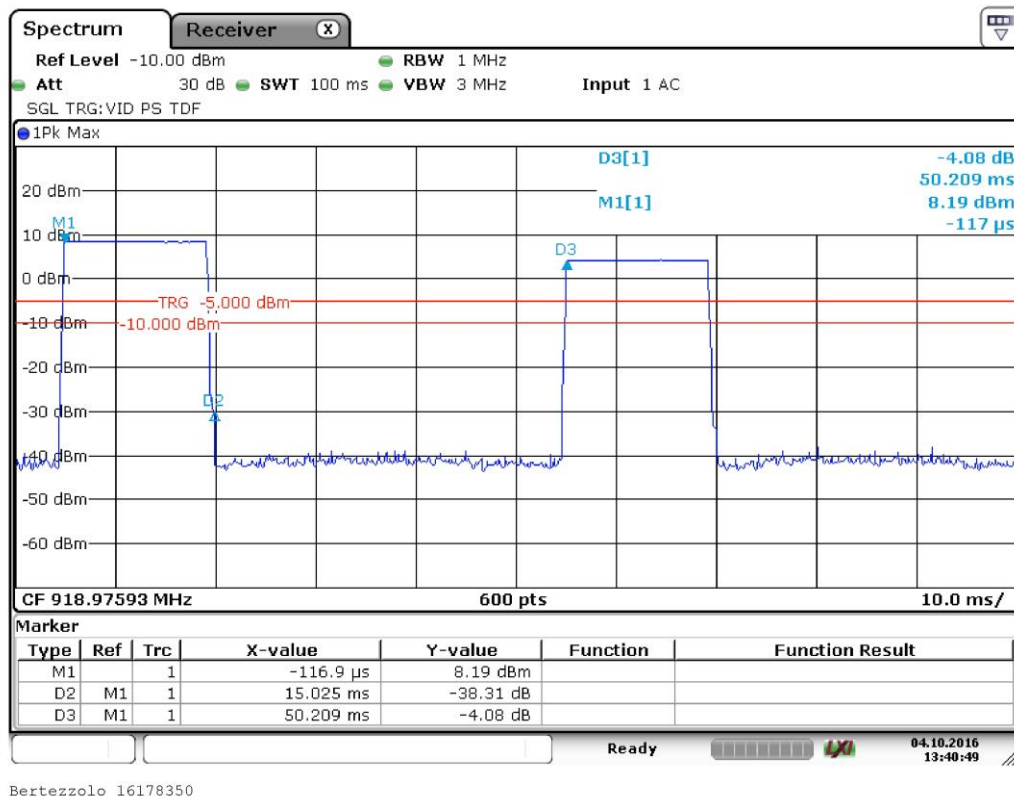
Frequency (MHz)	Time between 2 transmission on different channels		Number of transmissions (20000 ms / 50,209 ms / number of channels)
921,58	G16178350	50,209 ms	6,22

Time of occupancy (Dwell time x Number of transmissions)	93,52 ms
---	----------



Graphs

G16178350



Result: The requirements are met



11.8 Band edge

Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part 15.247
- DA 00-705
- Internal procedure PM001
- See clause 4 of this test report

Test configuration and test method

Test site:
Laboratory

Auxiliary equipment:
See clause 4 of this test report

EUT exercising

See clause 4 of this test report

Test equipment used

CMC S108, CMC S136, CMC S227
Measurement uncertainty: See clause 7 of this test report

Test specification

See FCC Part 15.247

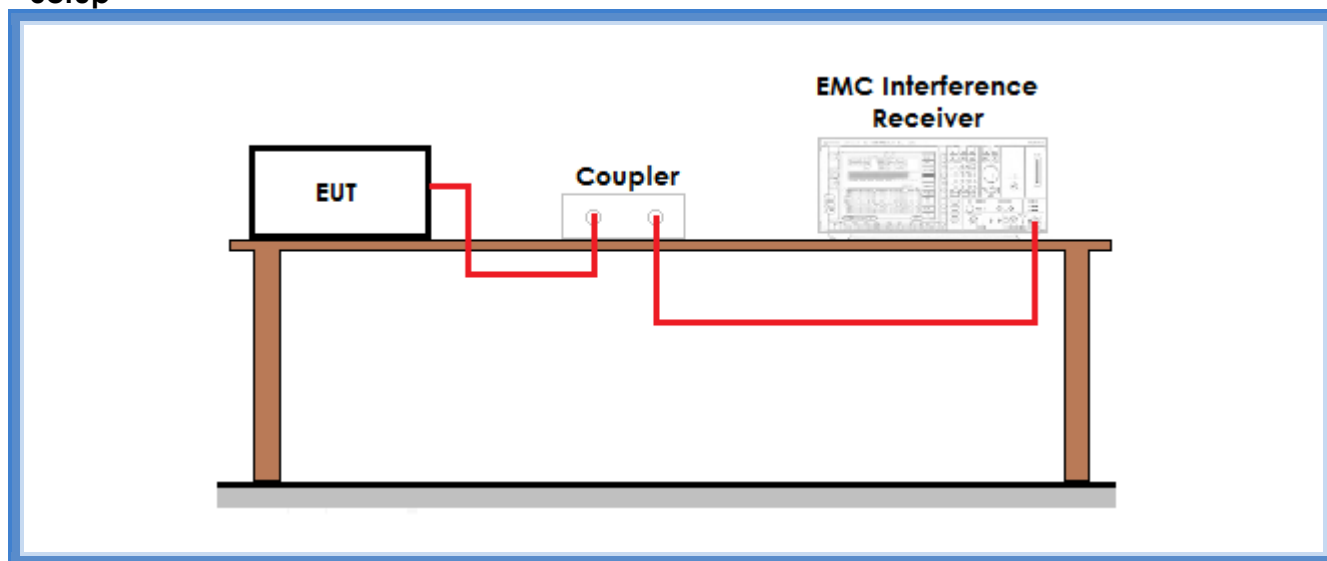
Environmental conditions

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

Acceptance limits: operation within the band 902 – 928 MHz



Setup



Result

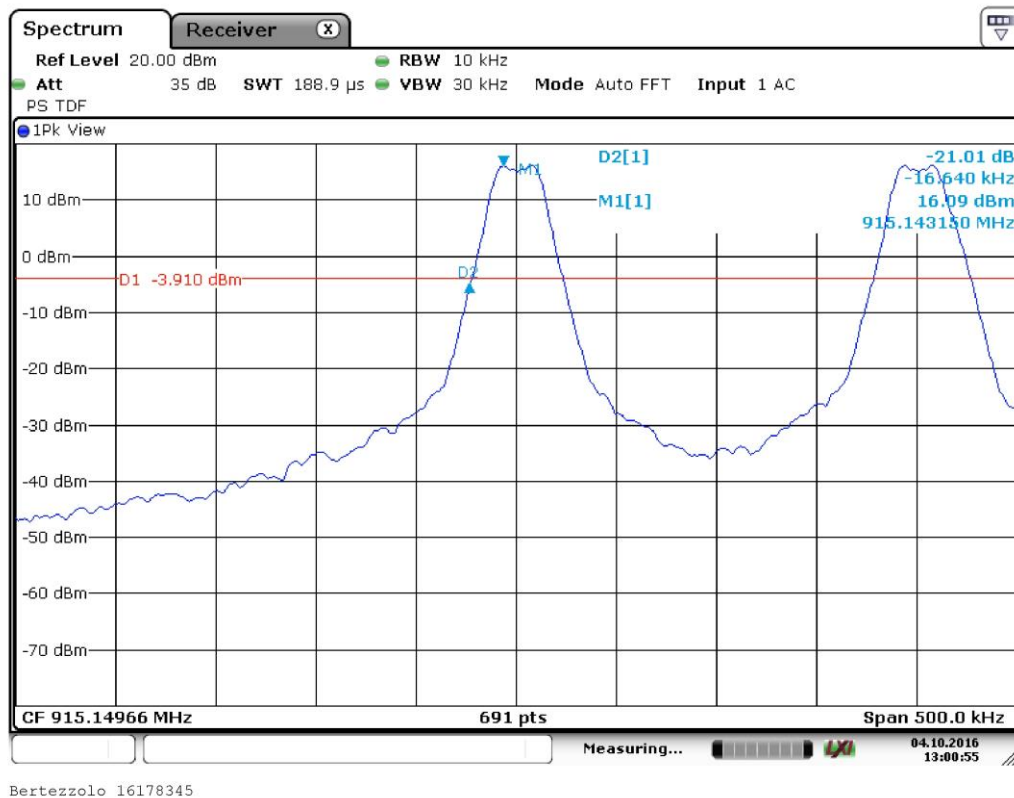
Frequency (MHz)	Graph(s) – Hopping	Results	
915,05	G16178345	F _L : 915,126505 MHz	Complies
927,95	G16178364	F _H : 927,873487 MHz	Complies

Frequency (MHz)	Graph(s) – No hopping	Results	
915,05	G16178346	F _L : 915,126505 MHz	Complies
927,95	G16178365	F _H : 927,875666 MHz	Complies



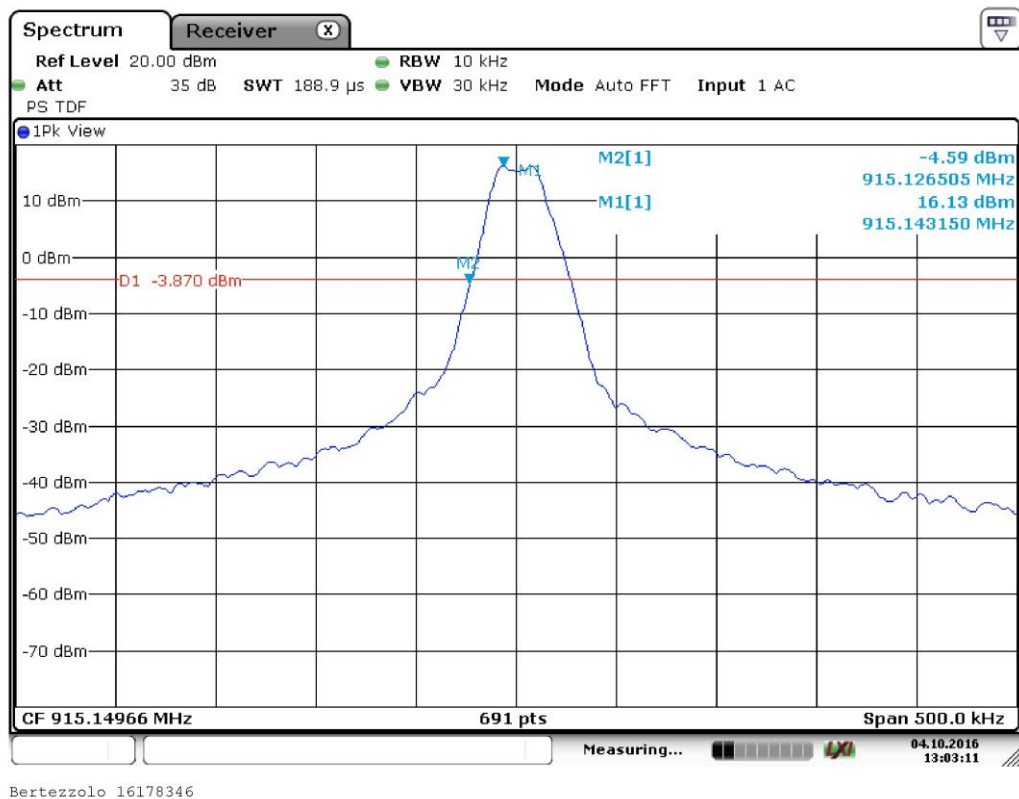
Graphs

G16178345





G16178346





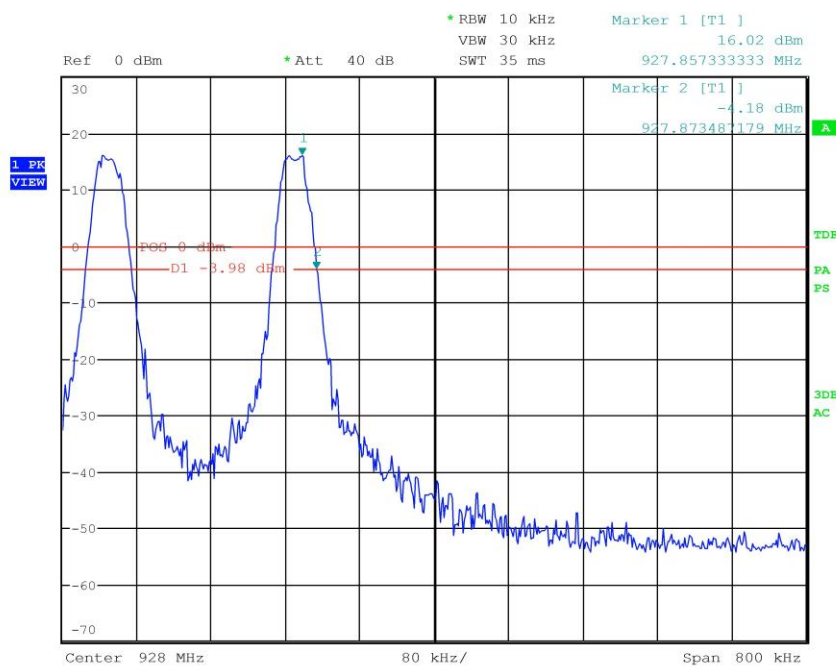
CMC
Centro Misure Compatibilità S.r.l.
Via della Fisica, 20
36016 Thiene (VI)



LAB N° 0168

G16178364

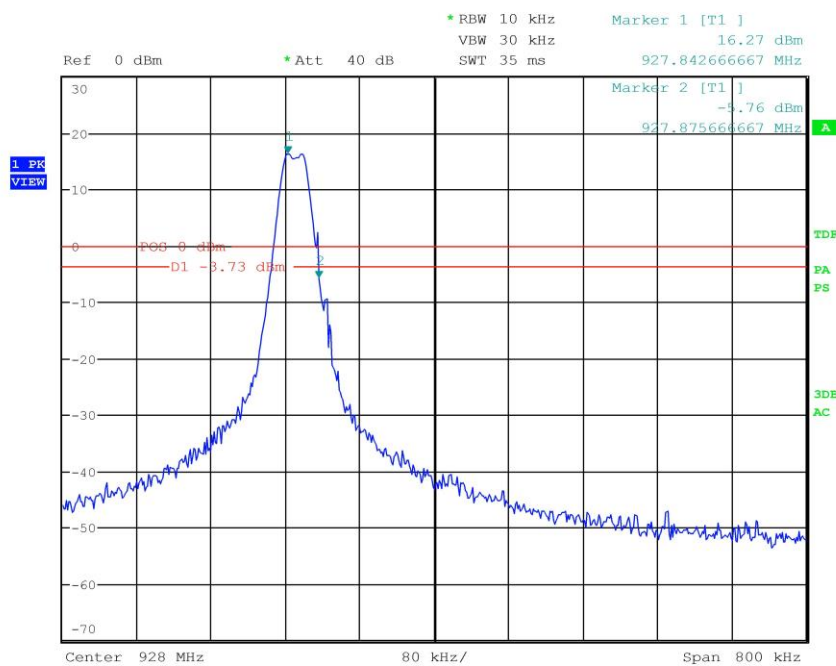
Meas Type Emission
Equipment under Test
Manufacturer
OP Condition
Operator Bertezolo 16178364
Test Spec





G16178365

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition
Operator Bertezolo 16178365
Test Spec



Result: The requirements are met



11.9 Peak Output Power

Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part 15.247
- DA 00-705
- Internal procedure PM001
- See clause 4 of this test report

Test configuration and test method

Test site:
Laboratory

Auxiliary equipment:
See clause 4 of this test report

EUT exercising

See clause 4 of this test report

Test equipment used

CMC S108, CMC S136, CMC S164
Measurement uncertainty: See clause 7 of this test report

Test specification

Port: Antenna

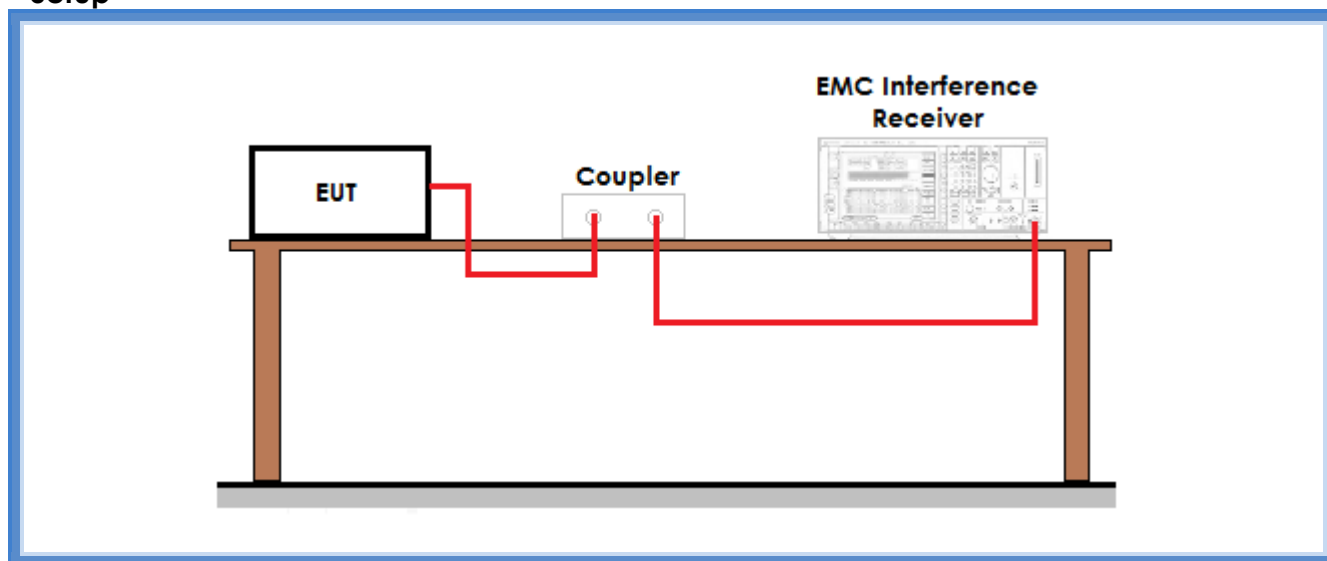
Environmental conditions

Temperature (°C)	Atmospheric pressure (kPa)	Relative humidity (%)
20	100	45

For frequency hopping systems operating in the 2400–2483,5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725–5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400–2483,5 MHz band: 0,125 watts. 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.



Setup

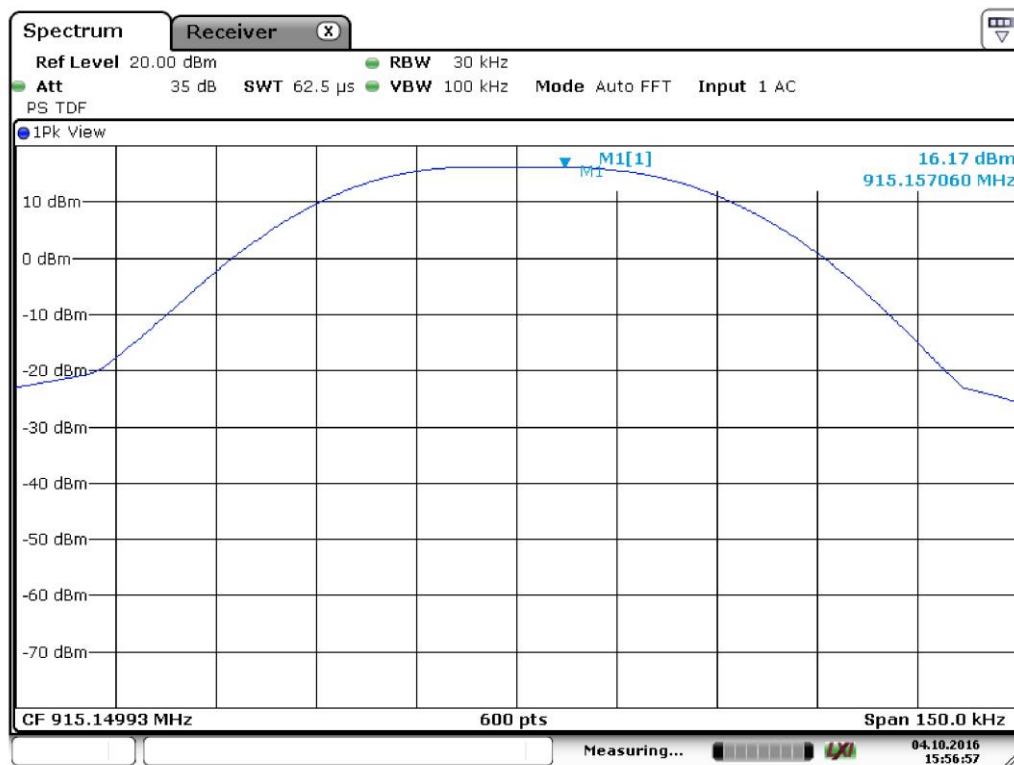


Result

Frequency (MHz)	Graphs	Measured QP level (dBm)	Peak Output Power (mW)	Remarks
915,150	G16178342	16,17	41,40	--
921,500	G16178353	16,17	41,40	--
927,850	G16178358	16,19	41,59	--

Graphs

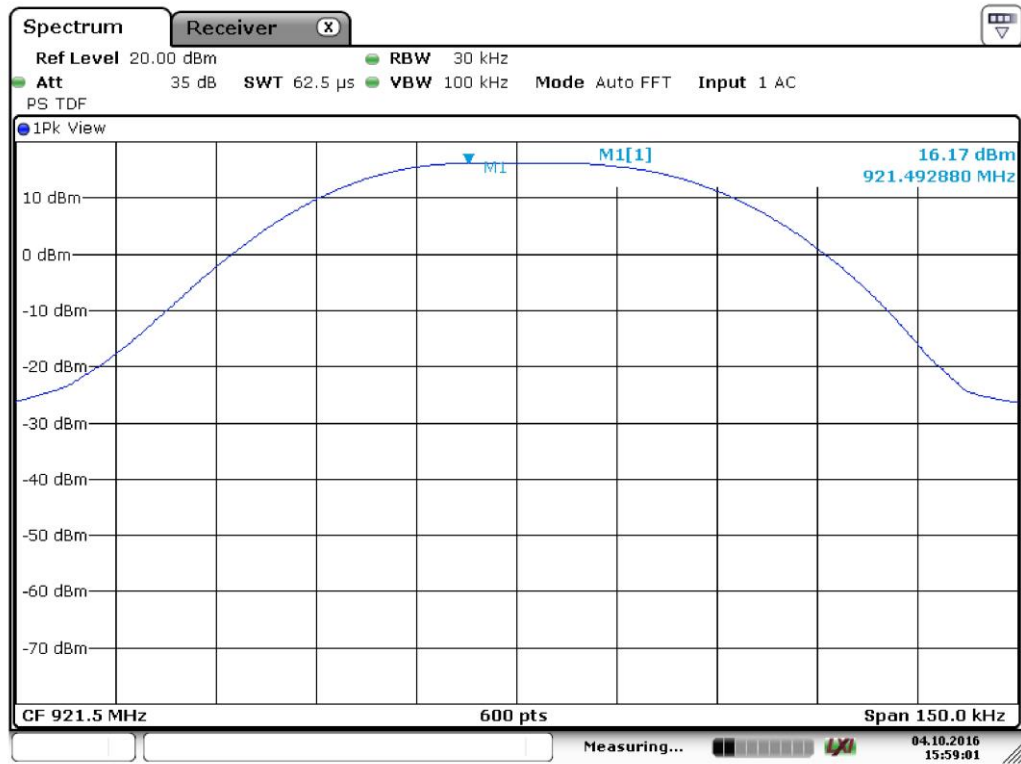
G16178342



Bertezzo 16178342



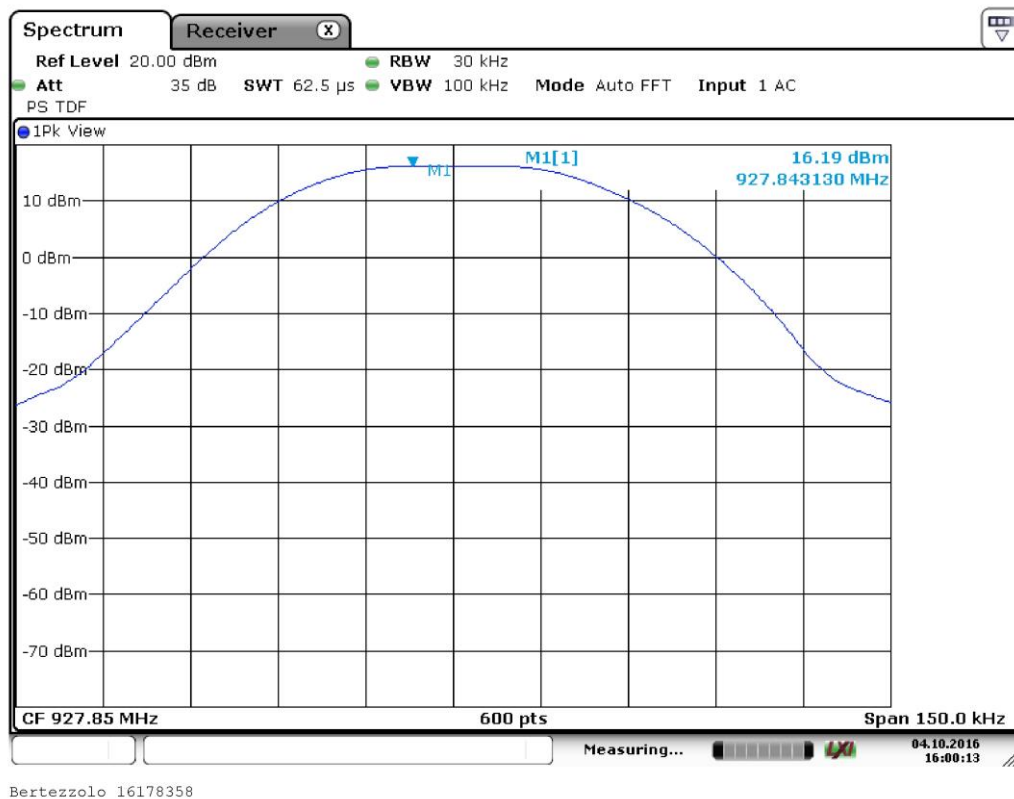
G16178353



Bertezzolo 16178353



G16178358



Result: The requirements are met



11.10 Spurious Emission

Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part 15.209
- DA 00-705
- Internal procedure PM001
- See clause 4 of this test report

Test configuration and test method

Test site:
Semi-anechoic chamber

Auxiliary equipment:
See clause 4 of this test report

EUT exercising

See clause 4 of this test report

Test equipment used

CMC S108, CMC S136, CMC S164
Measurement uncertainty: See clause 7 of this test report

Test specification

Port: Enclosure
Antenna polarization: Horizontal (H) – Vertical (V)
EUT – Antenna distance: 3 m
Detector AV + Peak

Environmental conditions

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

Acceptance limits

Acceptance limits for emissions in restricted frequency bands		
Frequency (MHz)	AV limits [dB(μV/m)]	Peak limits [dB(μV/m)]
> 1000	54	74



The restricted frequency bands are listed in the following table

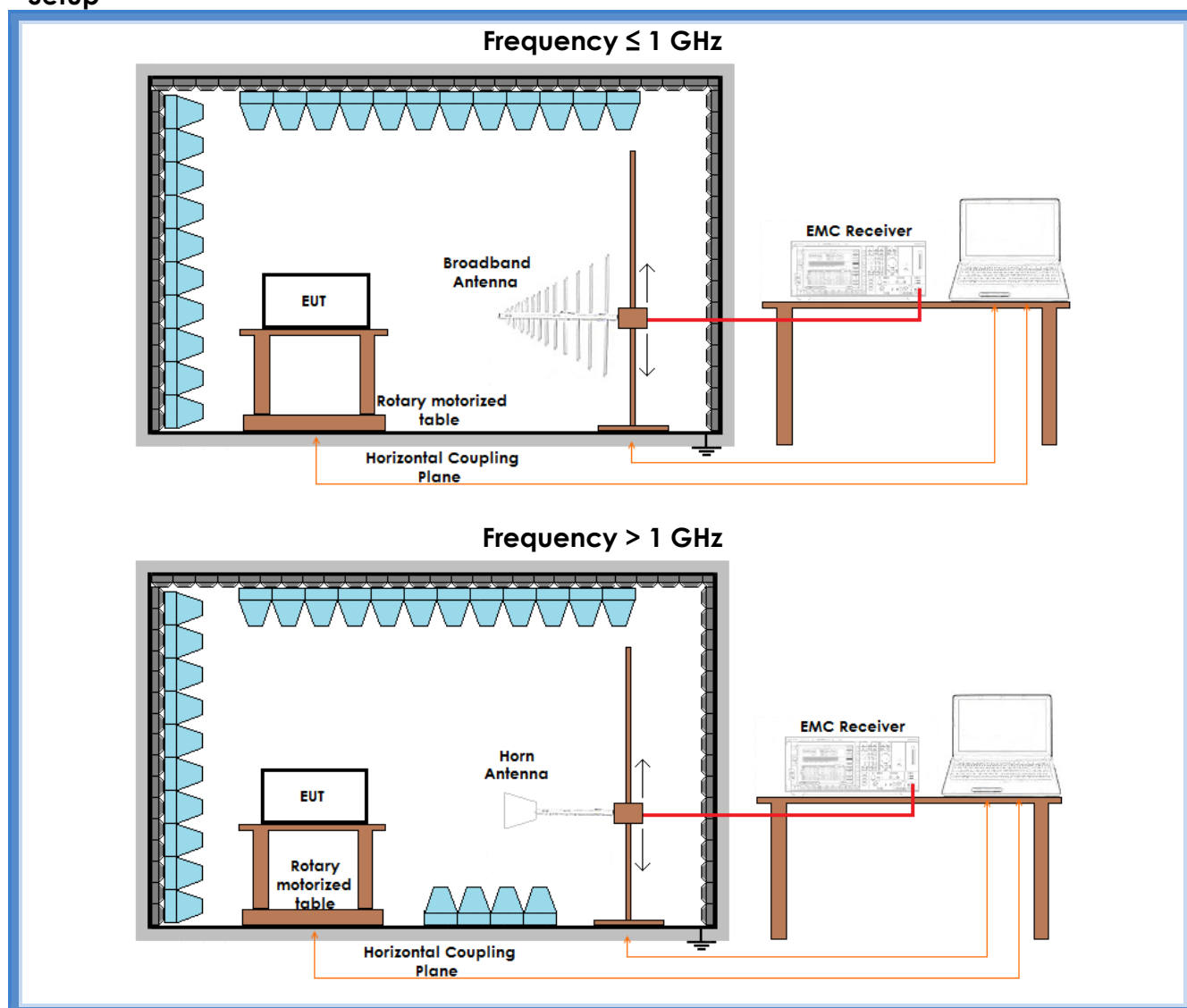
MHz	MHz	MHz	GHz
0,090 – 0,110	16,42 – 16,423	399,9 – 410	4,5 – 5,15
0,495 – 0,505	16,69475 – 16,69525	608 – 614	5,35 – 5,46
2,1735 – 2,1905	16,80425 – 16,80475	960 – 1240	7,25 – 7,75
4,125 – 4,128	25,5 – 25,67	1300 – 1427	8,025 – 8,5
4,17725 – 4,17775	37,5 – 38,25	1435 – 1626,5	9,0 – 9,2
4,20725 – 4,20775	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.



Setup





Result – AV detector

Integrated antenna							
Harmonic	Lowest channel		Medium channel		Highest channel		Results
	Level (dB μ V/m)	Limits (dB μ V/m)	Level (dB μ V/m)	Limits (dB μ V/m)	Level (dB μ V/m)	Limits (dB μ V/m)	
II	More than 20 dB below limit	54,00	34,21	54,00	More than 20 dB below limit	54,00	Complies
III	More than 20 dB below limit	54,00	38,34	54,00	More than 20 dB below limit	54,00	Complies
IV	39,98	54,00	40,66	54,00	38,76	54,00	Complies
V	44,63	54,00	46,28	54,00	44,45	54,00	Complies
VI	47,75	54,00	45,10	54,00	41,02	54,00	Complies
VII	45,80	54,00	44,80	54,00	42,01	54,00	Complies
VIII	48,51	54,00	49,72	54,00	48,39	54,00	Complies
IX	44,24	54,00	46,12	54,00	48,18	54,00	Complies
X	46,30	54,00	46,89	54,00	49,71	54,00	Complies
Remarks: EUT was tested in 3 orthogonal planes. The results in this table show the highest values							

External antenna							
Harmonic	Lowest channel		Medium channel		Highest channel		Results
	Level (dB μ V/m)	Limits (dB μ V/m)	Level (dB μ V/m)	Limits (dB μ V/m)	Level (dB μ V/m)	Limits (dB μ V/m)	
II	38,09	54,00	34,72	54,00	More than 20 dB below limit	54,00	Complies
III	More than 20 dB below limit	54,00	More than 20 dB below limit	54,00	More than 20 dB below limit	54,00	Complies
IV	42,06	54,00	36,83	54,00	41,65	54,00	Complies
V	51,54	54,00	47,45	54,00	45,73	54,00	Complies
VI	38,82	54,00	40,91	54,00	42,69	54,00	Complies
VII	42,94	54,00	43,93	54,00	43,13	54,00	Complies
VIII	45,00	54,00	46,14	54,00	48,01	54,00	Complies
IX	43,36	54,00	More than 20 dB below limit	54,00	More than 20 dB below limit	54,00	Complies
X	More than 20 dB below limit	54,00	More than 20 dB below limit	54,00	44,27	54,00	Complies
Remarks: EUT was tested in 3 orthogonal planes. The results in this table show the highest values							



Result – Peak detector

Integrated antenna							
Harmonic	Lowest channel		Medium channel		Highest channel		Results
	Level (dB μ V/m)	Limits (dB μ V/m)	Level (dB μ V/m)	Limits (dB μ V/m)	Level (dB μ V/m)	Limits (dB μ V/m)	
II	More than 20 dB below limit	74,00	More than 20 dB below limit	74,00	More than 20 dB below limit	74,00	Complies
III	More than 20 dB below limit	74,00	More than 20 dB below limit	74,00	More than 20 dB below limit	74,00	Complies
IV	More than 20 dB below limit	74,00	More than 20 dB below limit	74,00	More than 20 dB below limit	74,00	Complies
V	More than 20 dB below limit	74,00	More than 20 dB below limit	74,00	More than 20 dB below limit	74,00	Complies
VI	57,81	74,00	57,32	74,00	More than 20 dB below limit	74,00	Complies
VII	54,87	74,00	53,12	74,00	54,51	74,00	Complies
VIII	57,98	74,00	57,52	74,00	56,98	74,00	Complies
IX	56,97	74,00	56,71	74,00	56,87	74,00	Complies
X	57,04	74,00	59,17	74,00	59,54	74,00	Complies
Remarks: EUT was tested in 3 orthogonal planes. The results in this table show the highest values							



External antenna							
Harmonic	Lowest channel		Medium channel		Highest channel		Results
	Level (dB μ V/m)	Limits (dB μ V/m)	Level (dB μ V/m)	Limits (dB μ V/m)	Level (dB μ V/m)	Limits (dB μ V/m)	
II	More than 20 dB below limit	74,00	More than 20 dB below limit	74,00	More than 20 dB below limit	74,00	Complies
III	More than 20 dB below limit	74,00	More than 20 dB below limit	74,00	More than 20 dB below limit	74,00	Complies
IV	More than 20 dB below limit	74,00	More than 20 dB below limit	74,00	More than 20 dB below limit	74,00	Complies
V	56,81	74,00	54,27	74,00	More than 20 dB below limit	74,00	Complies
VI	More than 20 dB below limit	74,00	54,83	74,00	More than 20 dB below limit	74,00	Complies
VII	54,03	74,00	More than 20 dB below limit	74,00	54,73	74,00	Complies
VIII	56,35	74,00	55,69	74,00	57,30	74,00	Complies
IX	55,72	74,00	More than 20 dB below limit	74,00	More than 20 dB below limit	74,00	Complies
X	More than 20 dB below limit	74,00	More than 20 dB below limit	74,00	57,37	74,00	Complies
Remarks: EUT was tested in 3 orthogonal planes. The results in this table show the highest values							

Result: The requirements are met



11.11 Maximum permissible exposure

Test set-up and execution

- FCC Rules and Regulation;
Titles 47 Part 1.1310
- Internal procedure PM001
- See clause 4 of this test report

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

CMC S108, CMC S136, CMC S164
Measurement uncertainty: See clause 7 of this test report

Test specification

Port: Antenna

Acceptance limits

1 mW/cm² max at 20 cm of distance

Result

Power Density Limit (mW/cm ²)	Maximum Output Power (mW)	Antenna Gain (G)	Power Density at 20 cm (mW/cm ²)	Remarks
1,00	41,59	1,585	0,013	Measured
Remarks: Power Density = $(P \times G) / (4\pi R^2)$				

Result: The requirements are met