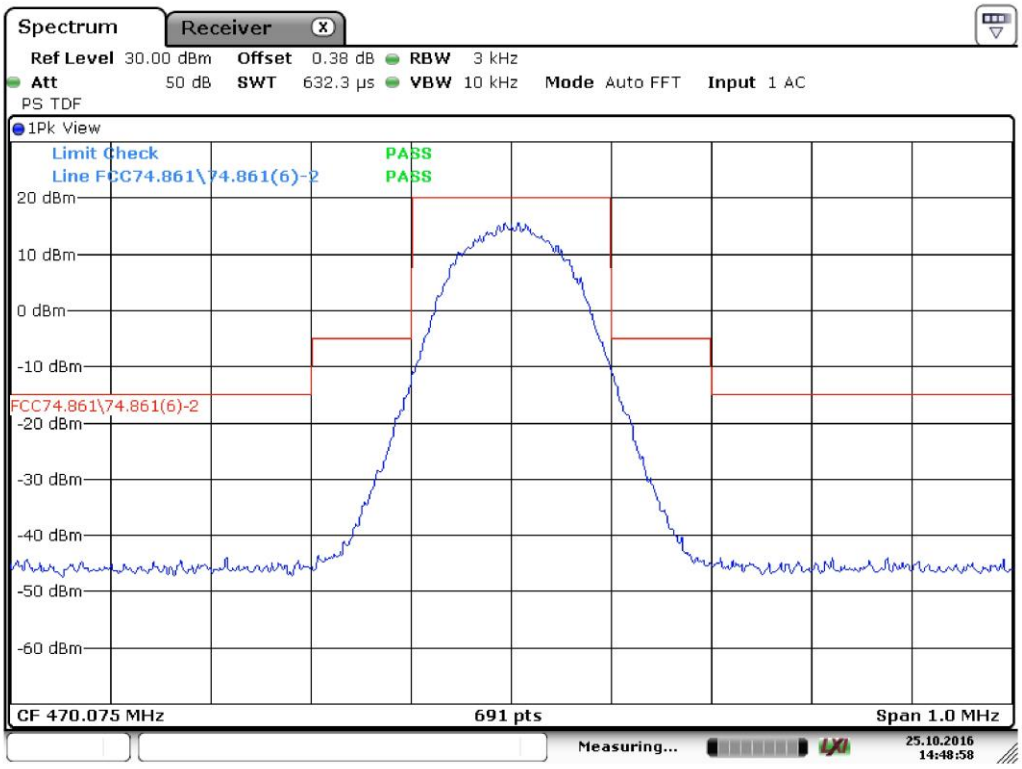
Result

Frequency (MHz)	*Frequency Range (MHz)*	*Remarks*	*Graphs*	*Results*
470,075	469,575 – 470,575	Measurement related to attenuation above 500 kHz	G16177919	Complies
	450 – 469,575	--	G16177920	Complies
	470,575 – 490	--	G16177921	Complies
607,925	607,425 – 608,425	Measurement related to attenuation above 500 kHz	G16177922	Complies
	590 – 607,425	--	G16177923	Complies
	608,425 – 620	--	G16177924	Complies
614,075	613,575 – 614,575	Measurement related to attenuation above 500 kHz	G16177925	Complies
	600 – 613,575	--	G16177926	Complies
	614,575 – 630	--	G16177927	Complies
638,000	637,500 – 638,500	Measurement related to attenuation above 500 kHz	G16177928	Complies
	620 – 637,5	--	G16177929	Complies
	638,5 – 650	--	G16177930	Complies
668,000	667,500 – 668,500	Measurement related to attenuation above 500 kHz	G16177931	Complies
	650 – 667,500	--	G16177932	Complies
	668,500 – 680	--	G16177933	Complies
697,925	697,425 – 698,425	Measurement related to attenuation above 500 kHz	G16177934	Complies
	680 – 697,425	--	G16177935	Complies
	698,425 – 710	--	G16177936	Complies

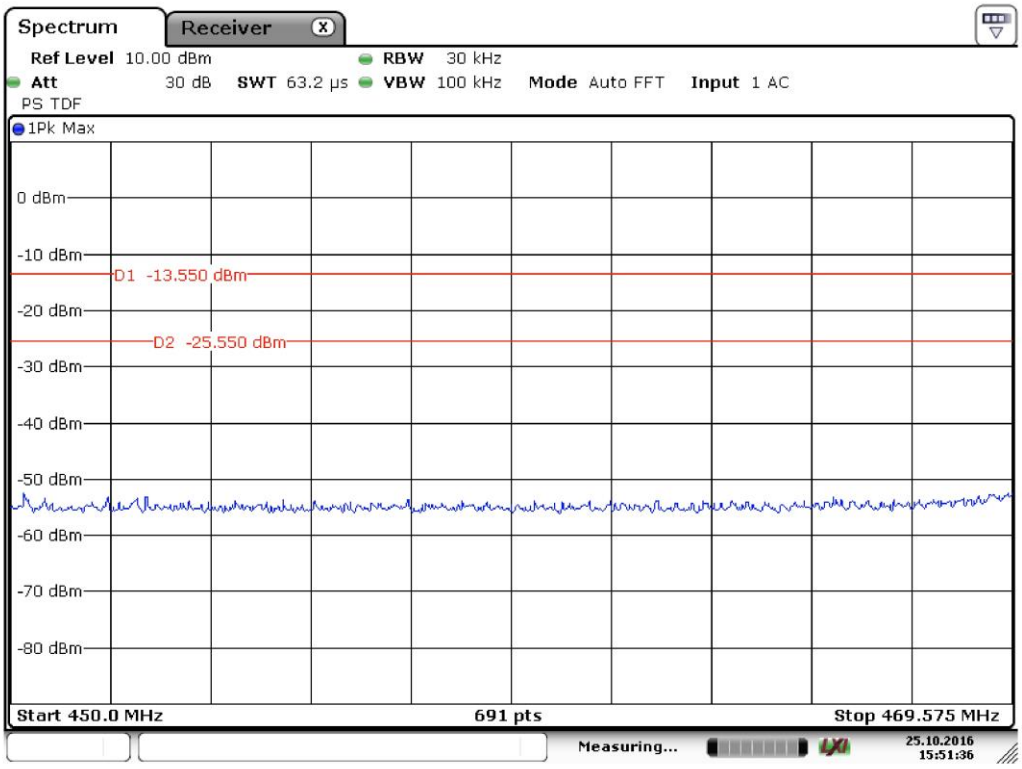
Graphs

G16177919



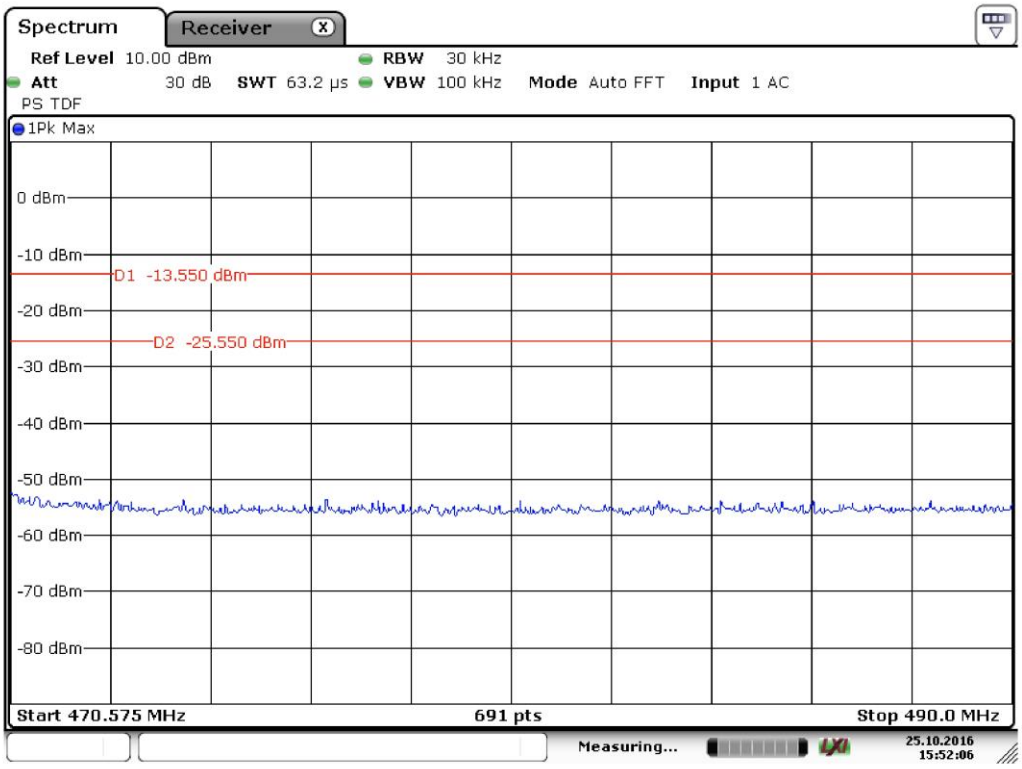
Bertezzolo 16177919

G16177920

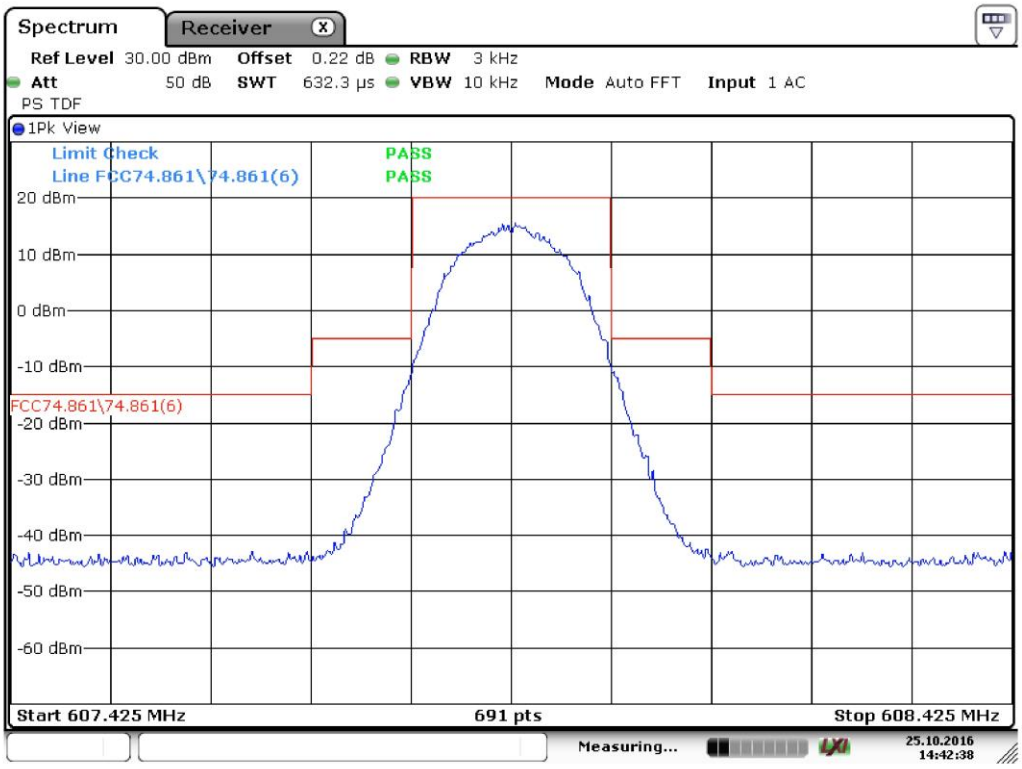


Bertezzolo 16177920

G16177921

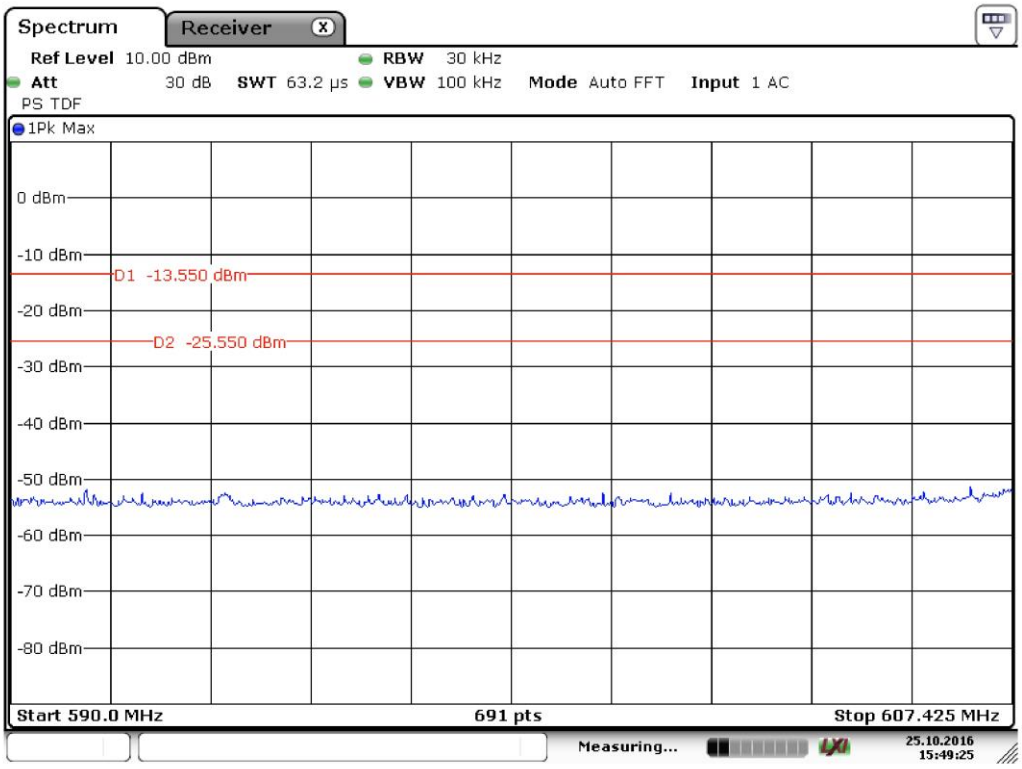


G16177922

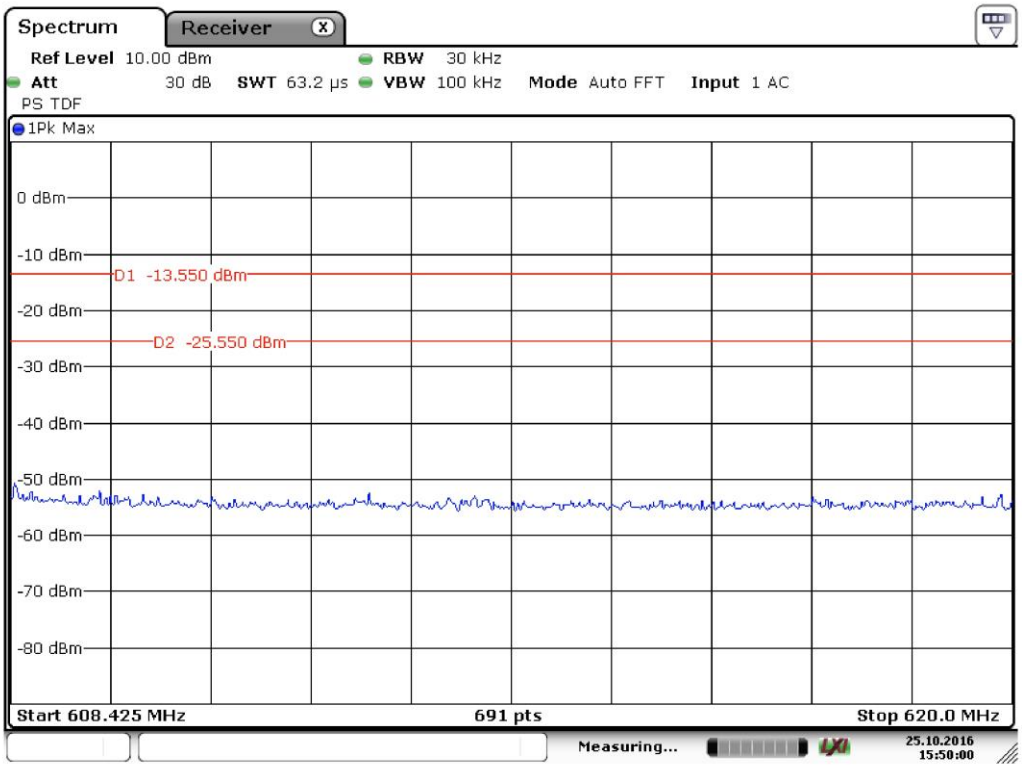


Bertezzolo 16177922

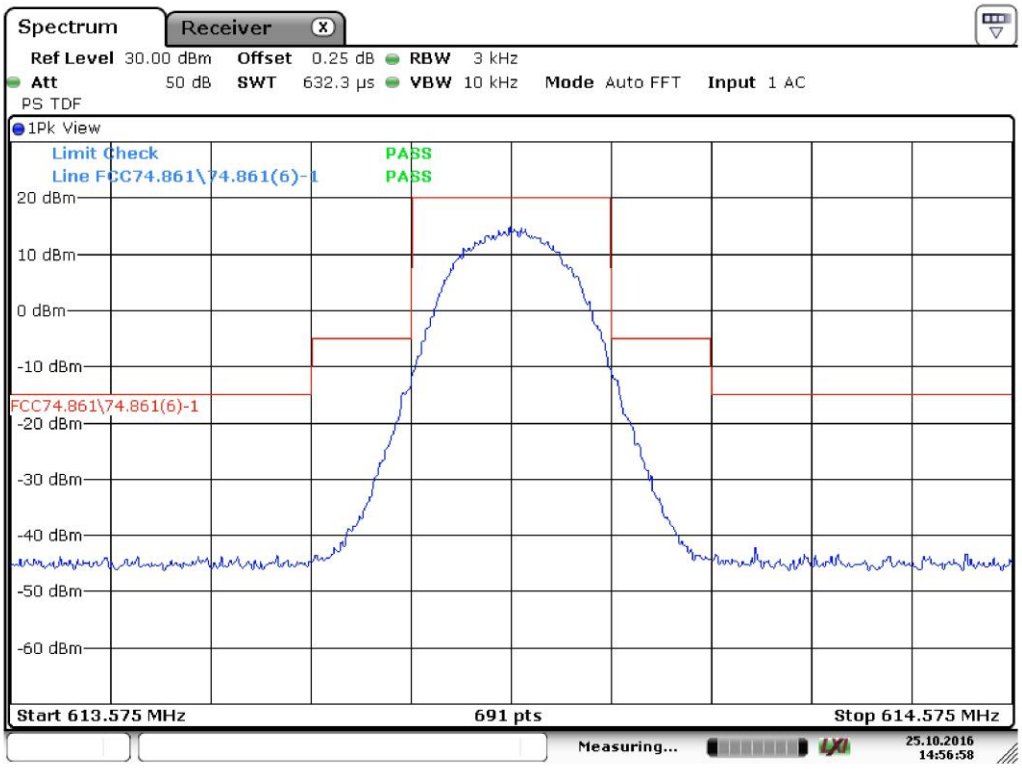
G16177923



G16177924

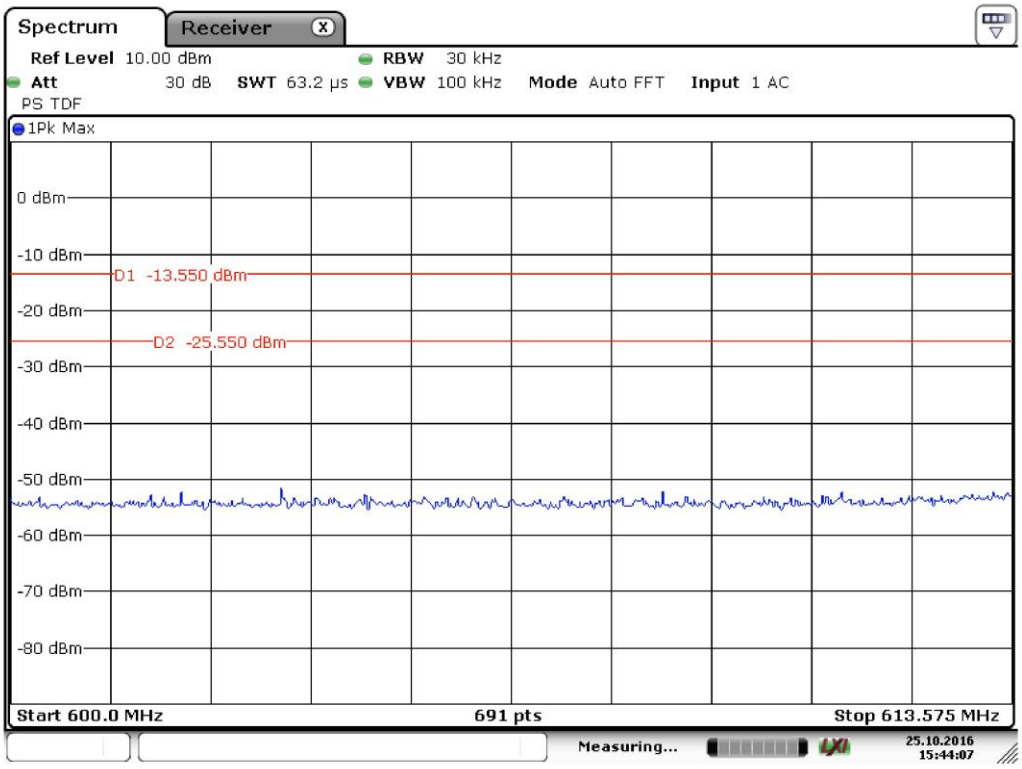


G16177925



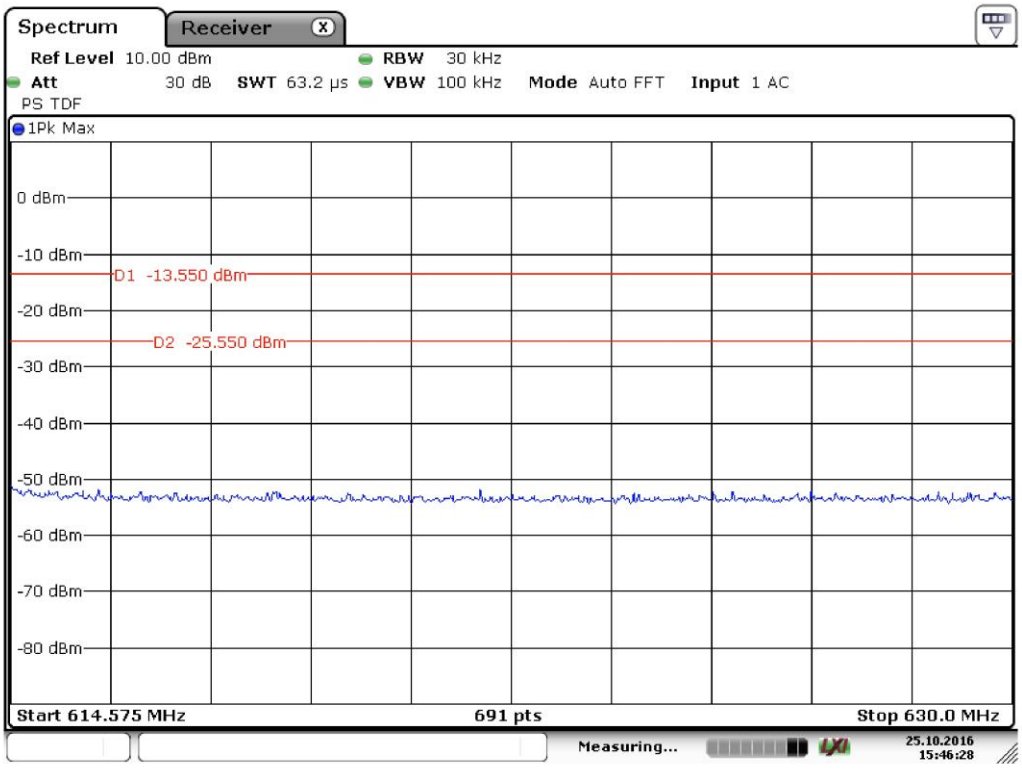
Bertezzolo 16177925

G16177926



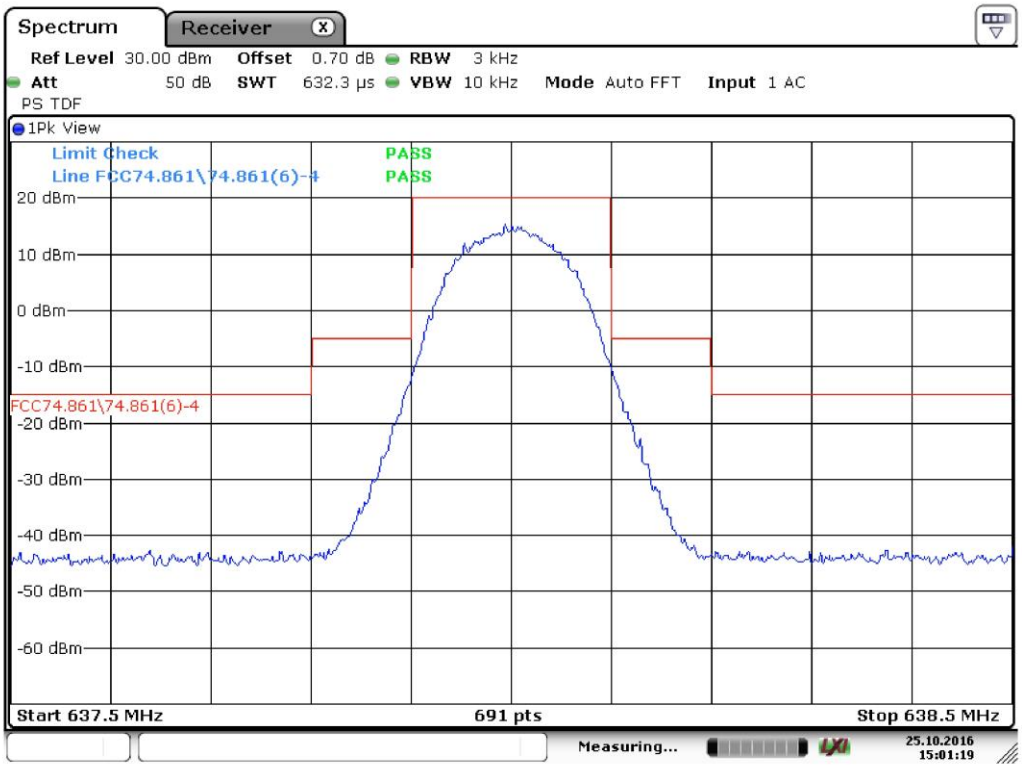
Bertezzolo 16177926

G16177927



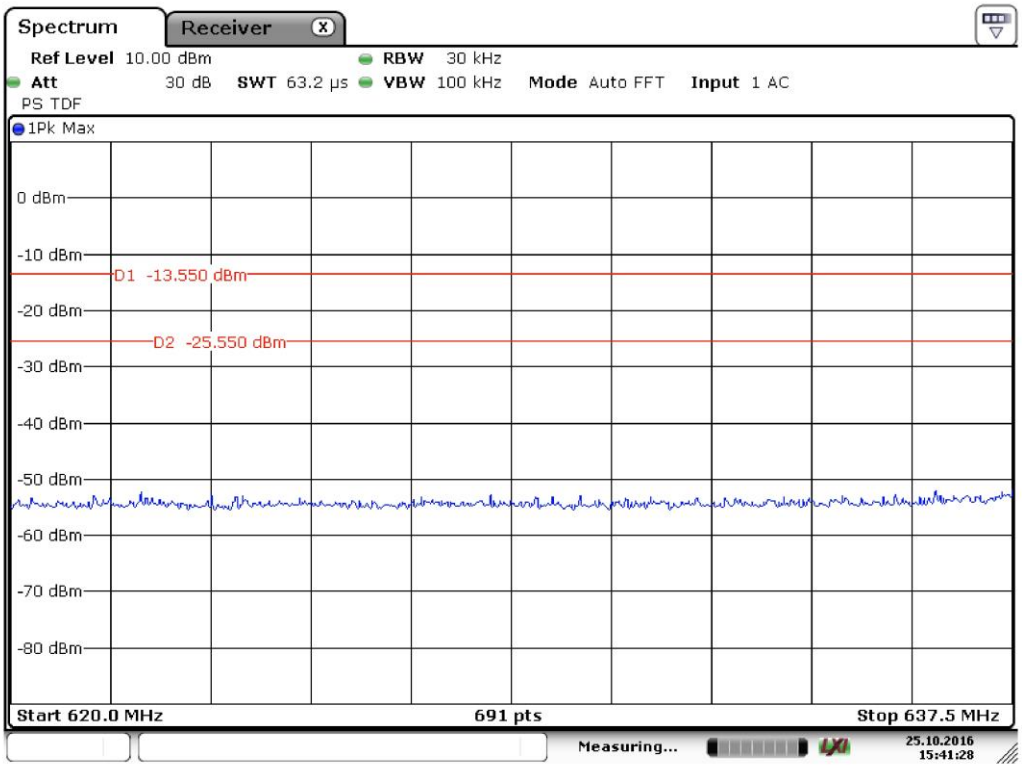
Bertezzolo 16177927

G16177928

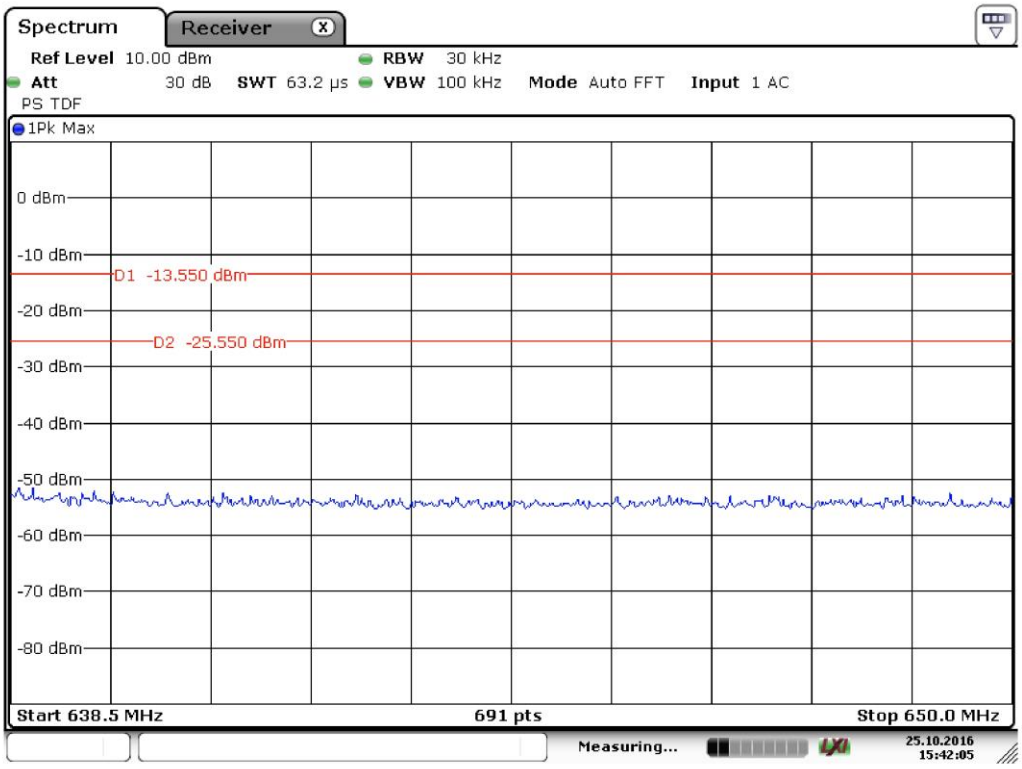


Bertezzolo 16177928

G16177929

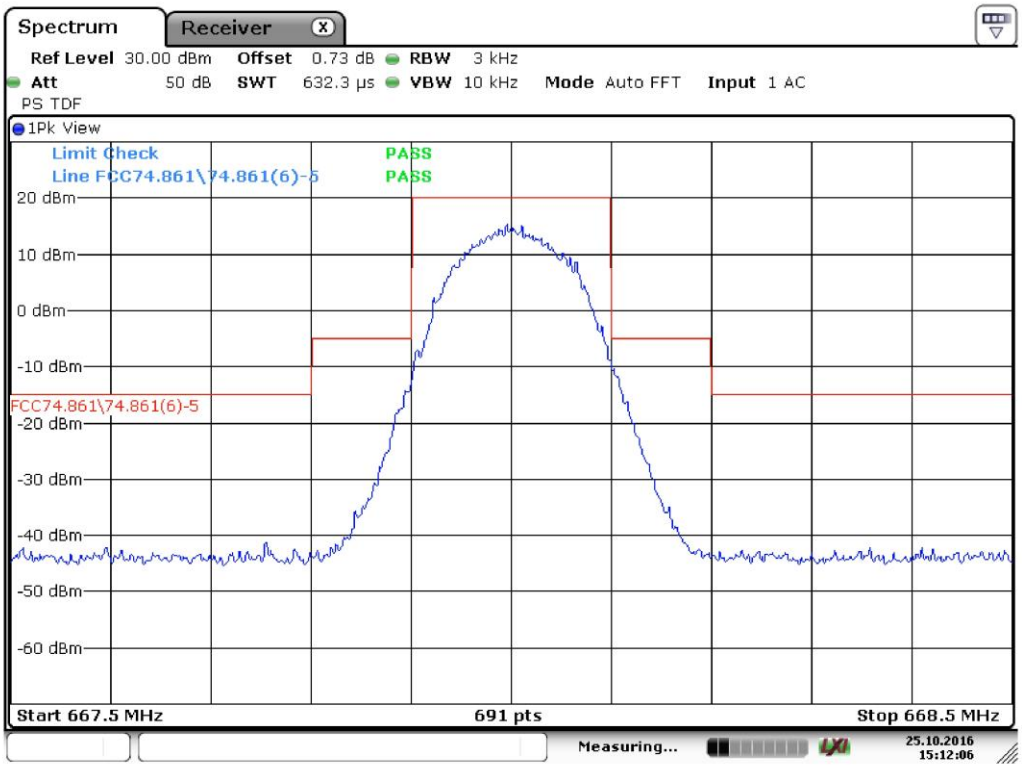


G16177930



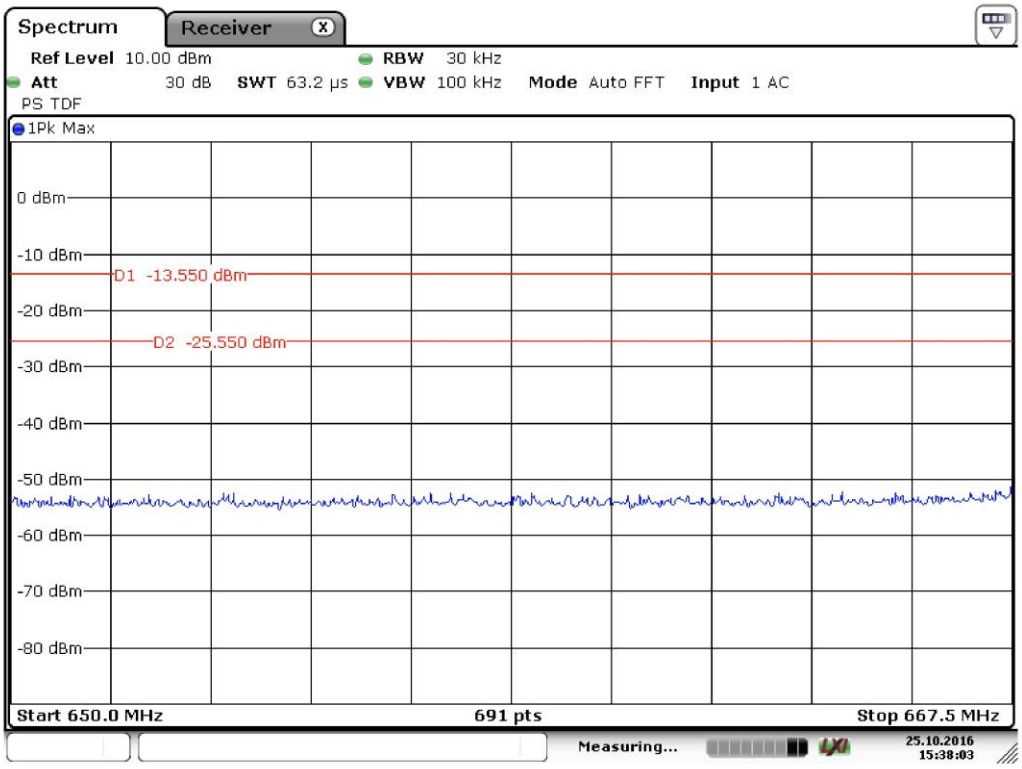
Bertezzolo 16177930

G16177931



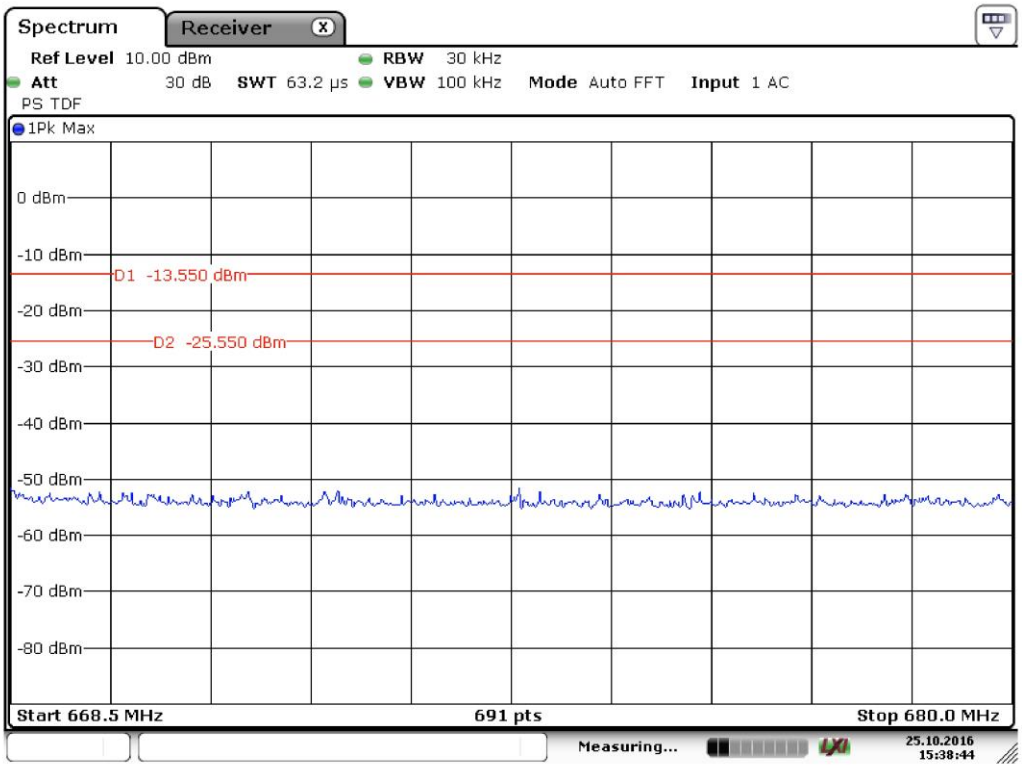
Bertezzolo 16177931

G16177932

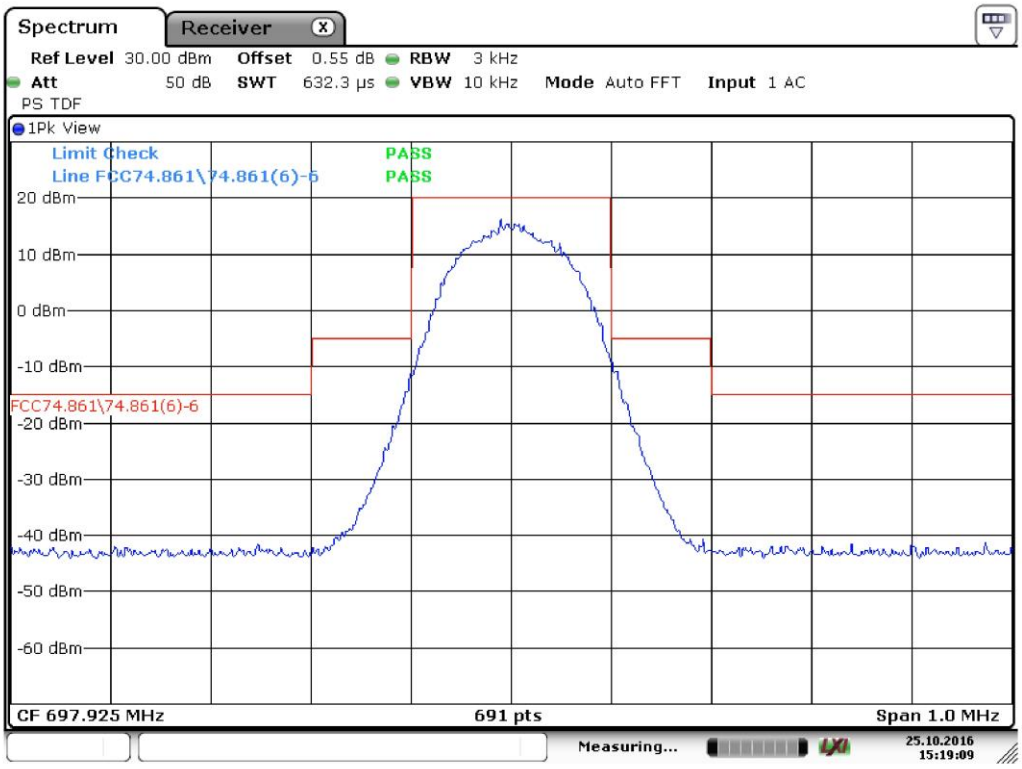


Bertezzolo 16177932

G16177933

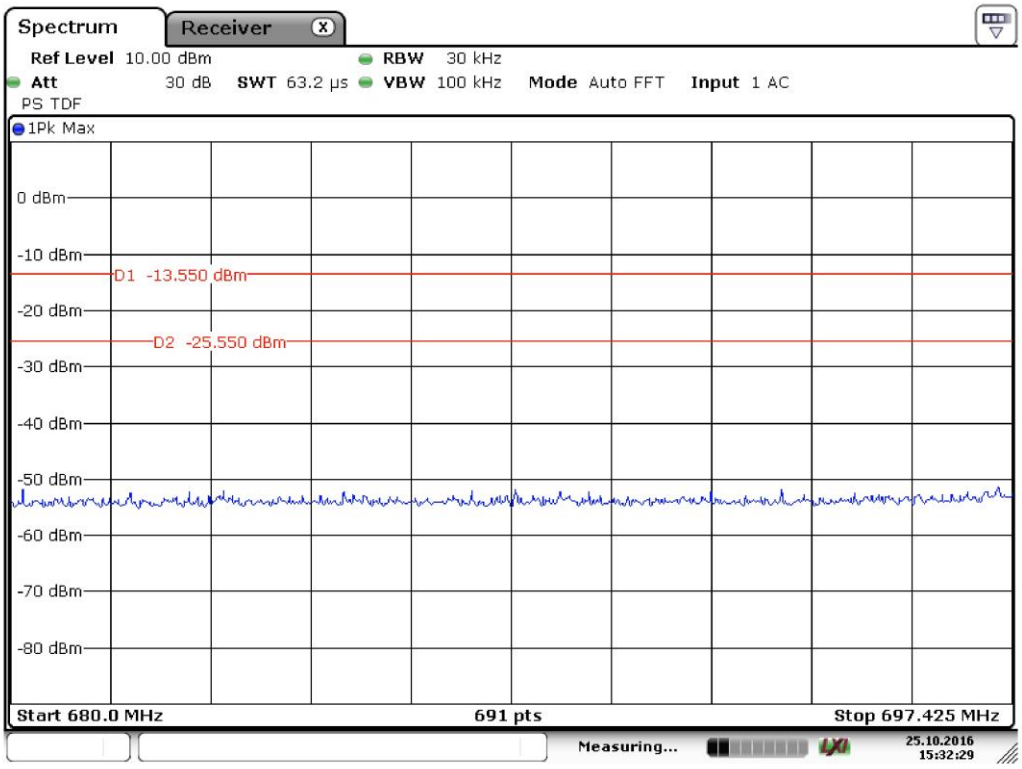


G16177934



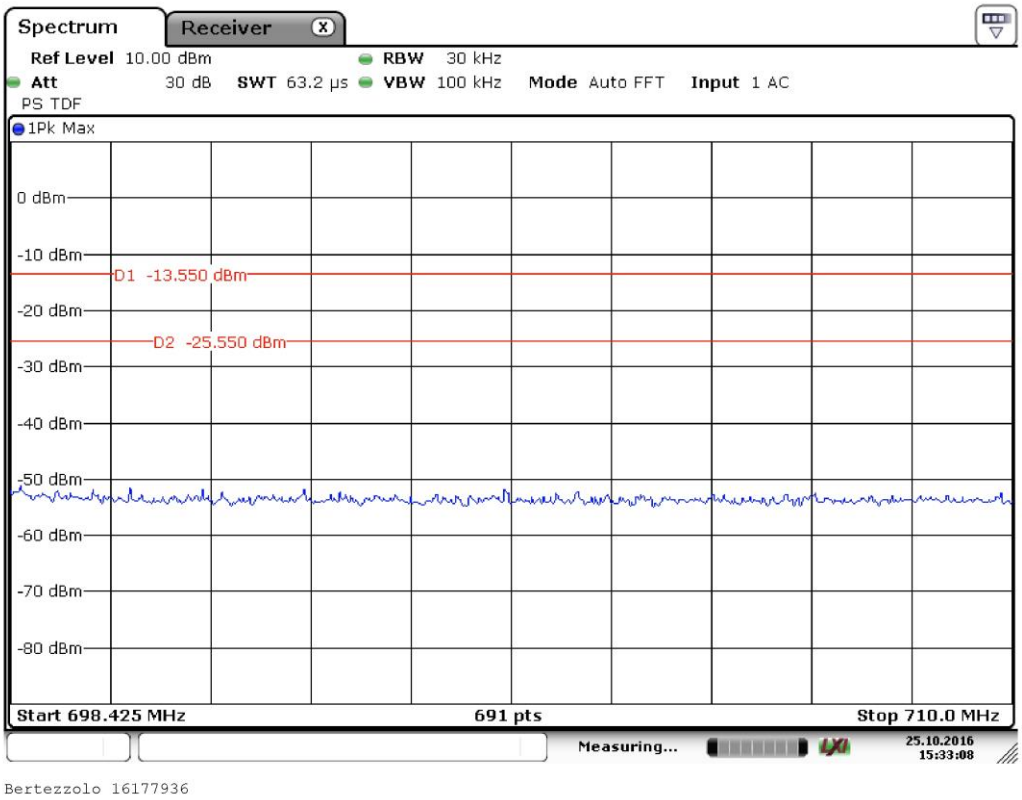
Bertezzolo 16177934

G16177935



Bertezzolo 16177935

G16177936



Result: The requirements are met

11.7 Radiated Spurious (Transmitter)

Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part 74.861 (e)(6)
- 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 S127, CMC S164, CMC S271, CMC S287
Measurement uncertainty: See clause 7 of this test report

Test specification

Port: Enclosure
Antenna polarization: Horizontal (H) – Vertical (V)
EUT – Antenna distance:
10 m for frequencies ≤ 1000 MHz
3 m for frequencies > 1000 MHz
Detector AV + Peak

Environmental conditions

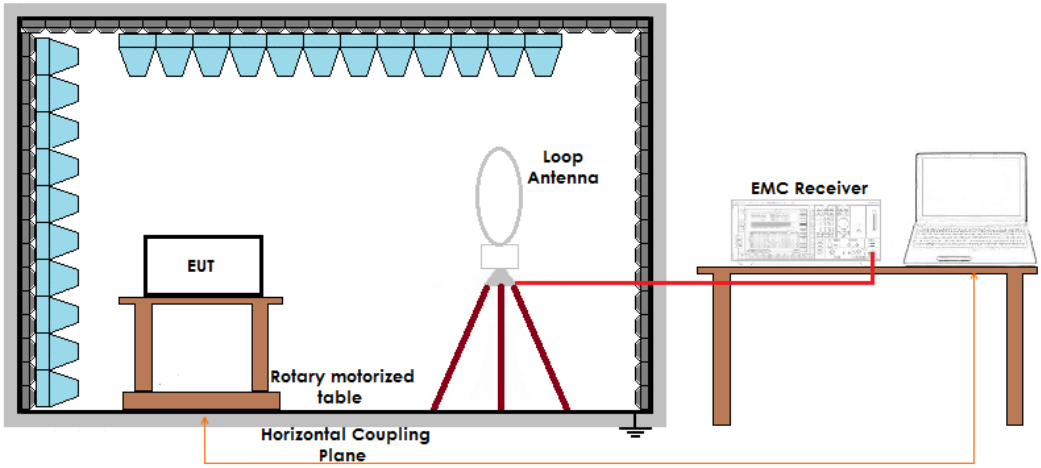
Temperature (°C)	*Atmospheric pressure (kPa)*	*Relative humidity (%)*
20	100	42

Acceptance limits

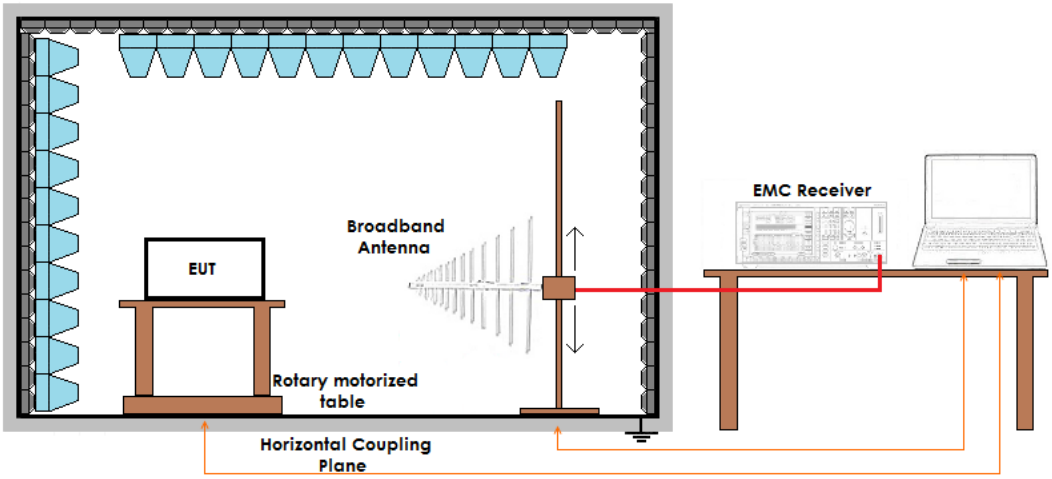
f ± 100 kHz to f ± 200 kHz	*f ± 200 kHz to f ± 500 kHz*	*f ± 500 kHz*
25 dBc	35 dBc	-43 + 10log$_{10}$ (mean output power in watts) dB below the mean output power

Setup

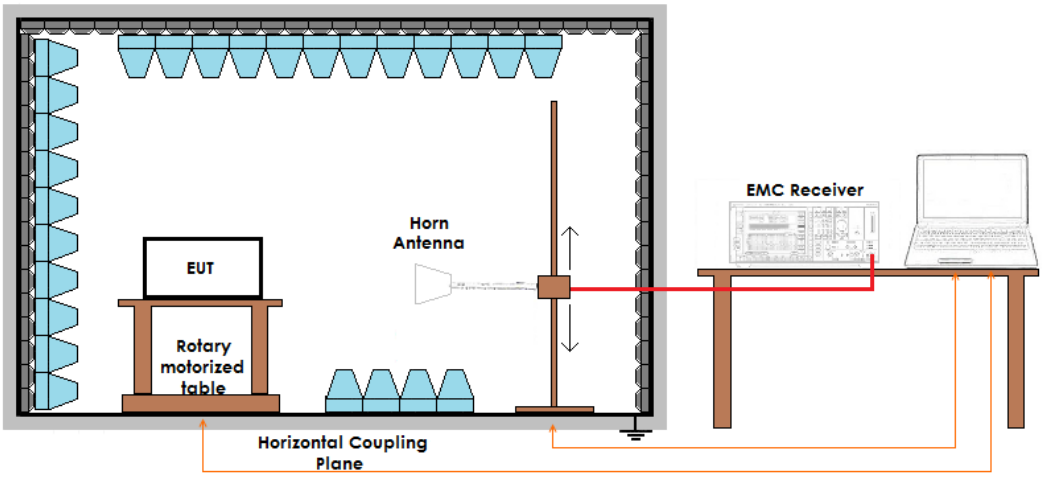
Frequency ≤ 30 MHz



Frequency ≤ 1 GHz



Frequency > 1 GHz



Result

Frequency (MHz)	*Polarization*	*Frequency Range (MHz)*	*Graph(s)*	*Limits (dBm)*	*Result*
470,075	Horizontal	100 – 1000	G16177956	-13,0	Complies
	Vertical	100 – 1000	G16177957	-13,0	Complies
607,925	Vertical	100 – 1000	G16177958	-13,0	Complies
	Horizontal	100 – 1000	G16177959	-13,0	Complies
614,075	Horizontal	100 – 1000	G16177960	-13,0	Complies
	Vertical	100 – 1000	G16177961	-13,0	Complies
638,000	Vertical	100 – 1000	G16177962	-13,0	Complies
	Horizontal	100 – 1000	G16177963	-13,0	Complies
668,000	Horizontal	100 – 1000	G16177964	-13,0	Complies
	Vertical	100 – 1000	G16177965	-13,0	Complies
697,925	Vertical	100 – 1000	G16177966	-13,0	Complies
	Horizontal	100 – 1000	G16177967	-13,0	Complies

Frequency (MHz)	*Polarization*	*Frequency Range (GHz)*	*Graph(s)*	*Limits (dBm)*	*Result*
470,075	Horizontal	1 – 7	G16177968	-13,0	Complies
697,925	Vertical	1 – 7	G16177969	-13,0	Complies
	Horizontal	1 – 7	G16177970	-13,0	Complies

Remarks: radiated spurious on frequencies above 1 GHz have been measured as worst case on the lowest and on the highest channel to demonstrate the absence of unwanted spurious

Result

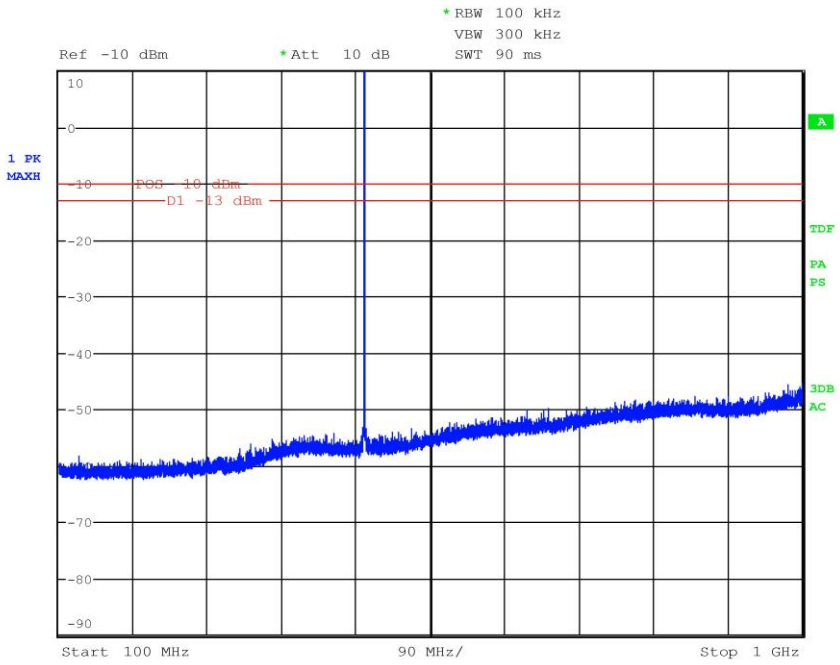
Harmonic	*Limits (dBµV/m)*	*Level (dBµV/m)*			*Results*
		470,075 MHz	*607,925 MHz*	*614,075 MHz*	
II	-13,0	More than 20 dB below limit	More than 20 dB below limit	More than 20 dB below limit	Complies
III	-13,0	More than 20 dB below limit	More than 20 dB below limit	More than 20 dB below limit	Complies
IV	-13,0	More than 20 dB below limit	More than 20 dB below limit	More than 20 dB below limit	Complies
V	-13,0	More than 20 dB below limit	More than 20 dB below limit	More than 20 dB below limit	Complies
VI	-13,0	More than 20 dB below limit	More than 20 dB below limit	More than 20 dB below limit	Complies
VII	-13,0	More than 20 dB below limit	More than 20 dB below limit	More than 20 dB below limit	Complies
VIII	-13,0	More than 20 dB below limit	More than 20 dB below limit	More than 20 dB below limit	Complies
IX	-13,0	More than 20 dB below limit	More than 20 dB below limit	More than 20 dB below limit	Complies
X	-13,0	More than 20 dB below limit	More than 20 dB below limit	More than 20 dB below limit	Complies
Remarks: EUT was tested in 3 orthogonal planes. The results in this table show the highest values					

Harmonic	*Limits (dBµV/m)*	*Level (dBµV/m)*			*Results*
		638,000 MHz	*668,000 MHz*	*697,925 MHz*	
II	-13,0	More than 20 dB below limit	More than 20 dB below limit	More than 20 dB below limit	Complies
III	-13,0	More than 20 dB below limit	More than 20 dB below limit	More than 20 dB below limit	Complies
IV	-13,0	More than 20 dB below limit	More than 20 dB below limit	More than 20 dB below limit	Complies
V	-13,0	More than 20 dB below limit	More than 20 dB below limit	More than 20 dB below limit	Complies
VI	-13,0	More than 20 dB below limit	More than 20 dB below limit	More than 20 dB below limit	Complies
VII	-13,0	More than 20 dB below limit	More than 20 dB below limit	More than 20 dB below limit	Complies
VIII	-13,0	More than 20 dB below limit	More than 20 dB below limit	More than 20 dB below limit	Complies
IX	-13,0	More than 20 dB below limit	More than 20 dB below limit	More than 20 dB below limit	Complies
X	-13,0	More than 20 dB below limit	More than 20 dB below limit	More than 20 dB below limit	Complies
Remarks: EUT was tested in 3 orthogonal planes. The results in this table show the highest values					

Graphs

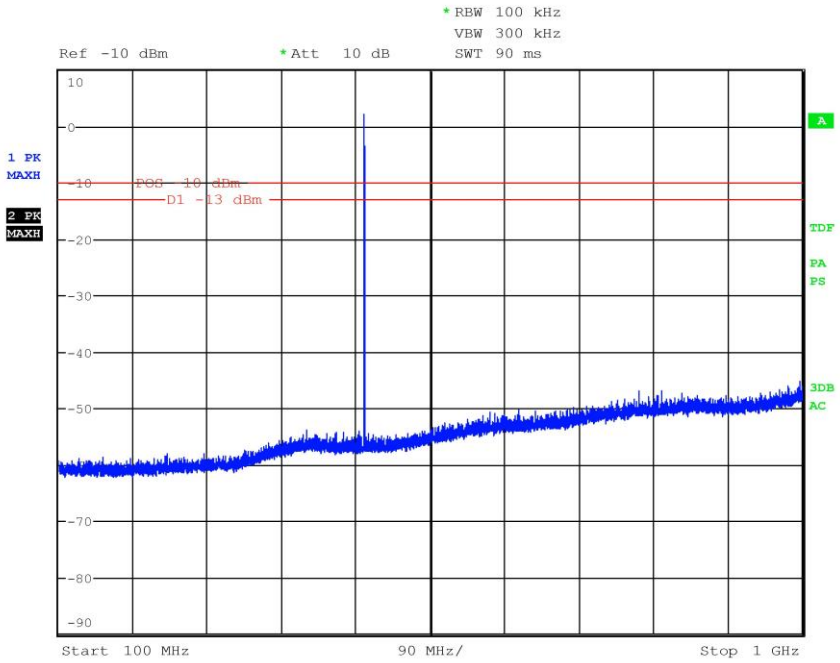
G16177956

Meas Type	Emission
Equipment under Test	
Manufacturer	
OP Condition	
Operator	Bertezzolo 16177956
Test Spec	



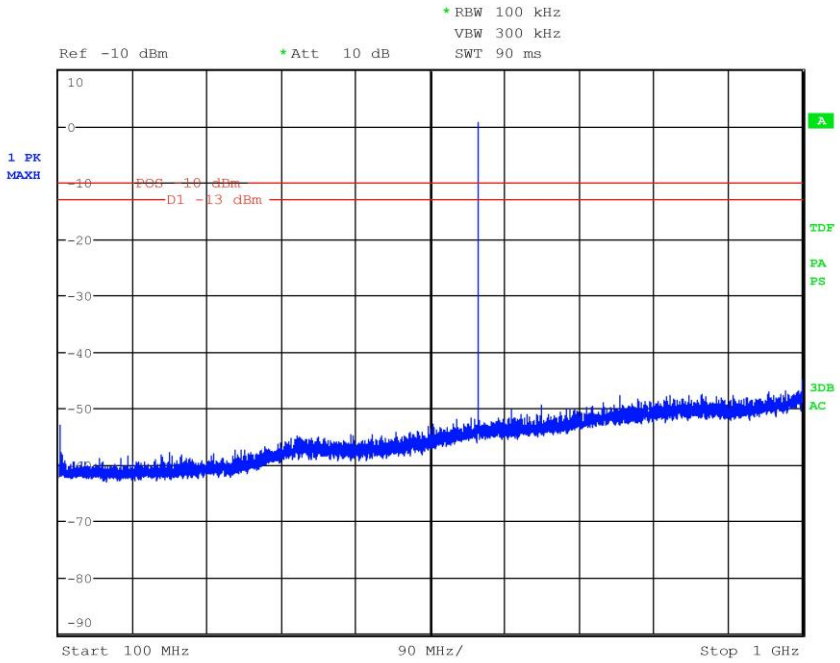
G16177957

Meas Type	Emission
Equipment under Test	
Manufacturer	
OP Condition	
Operator	Bertezzolo 16177957
Test Spec	



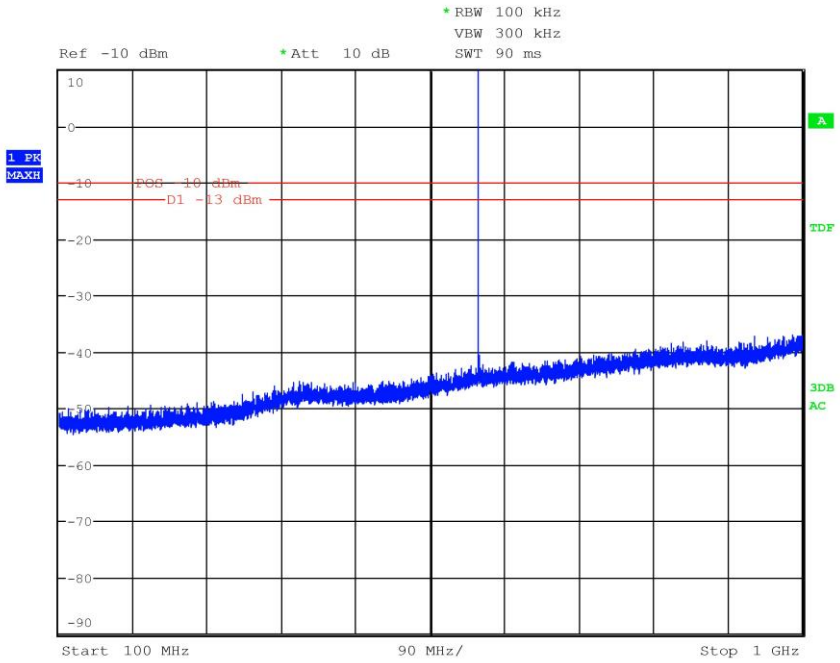
G16177958

Meas Type	Emission
Equipment under Test	
Manufacturer	
OP Condition	
Operator	Bertezzolo 16177958
Test Spec	



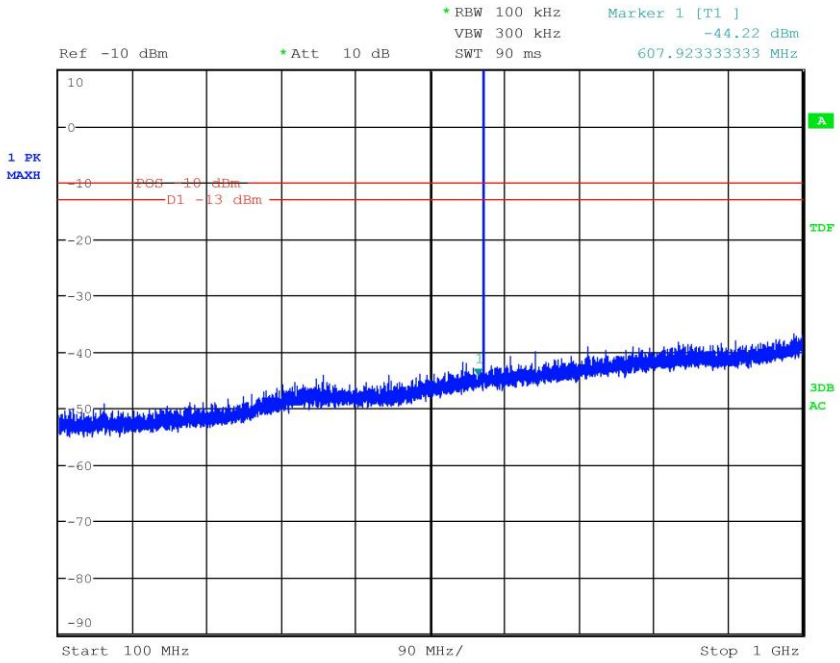
G16177959

Meas Type	Emission
Equipment under Test	
Manufacturer	
OP Condition	
Operator	Bertezzolo 16177959
Test Spec	



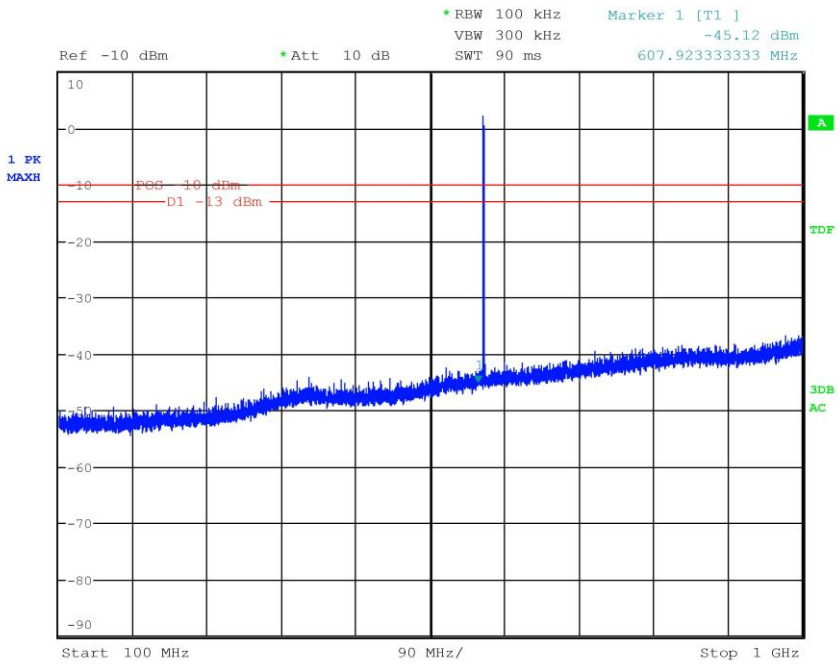
G16177960

Meas Type	Emission
Equipment under Test	
Manufacturer	
OP Condition	
Operator	Bertezzolo 16177960
Test Spec	



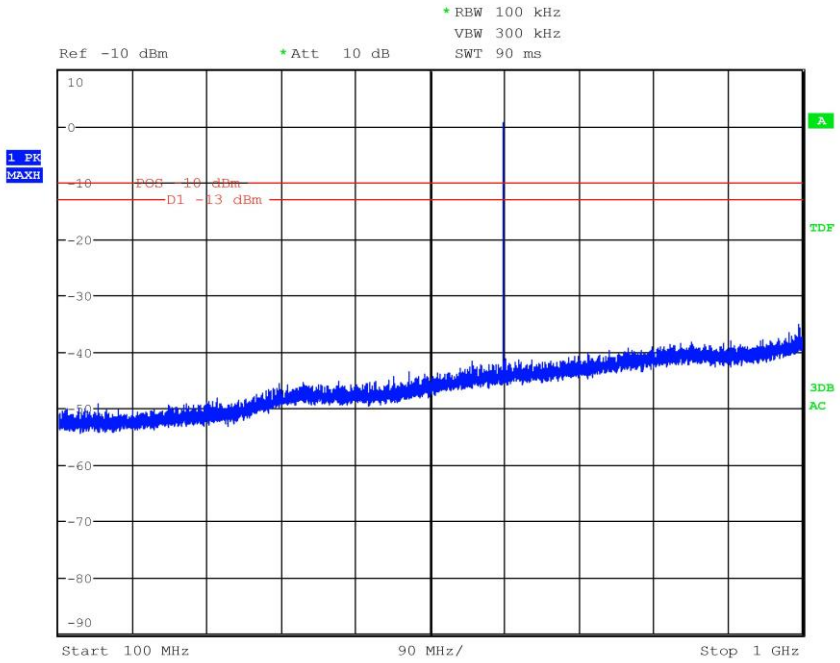
G16177961

Meas Type	Emission
Equipment under Test	
Manufacturer	
OP Condition	
Operator	Bertezzolo 16177961
Test Spec	



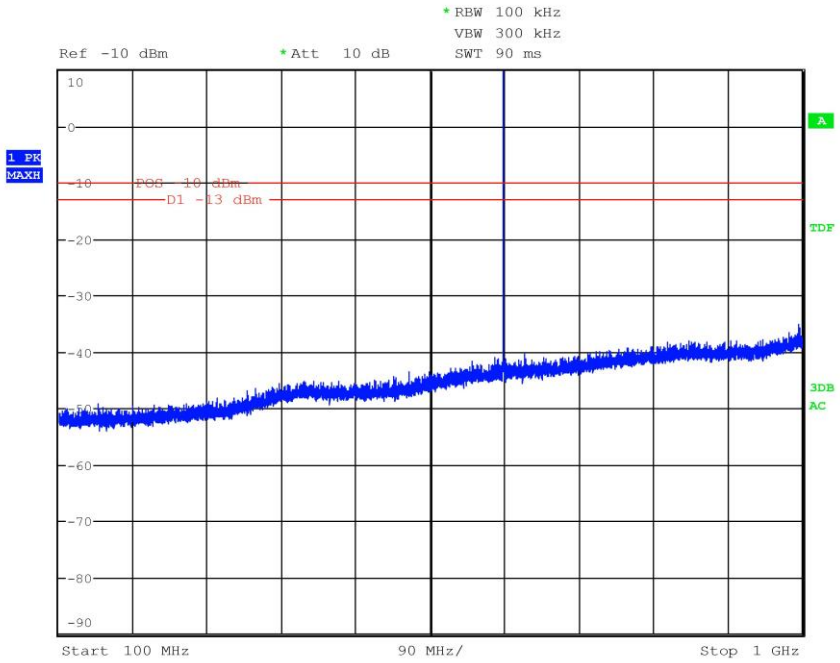
G16177962

Meas Type	Emission
Equipment under Test	
Manufacturer	
OP Condition	
Operator	Bertezzolo 16177962
Test Spec	



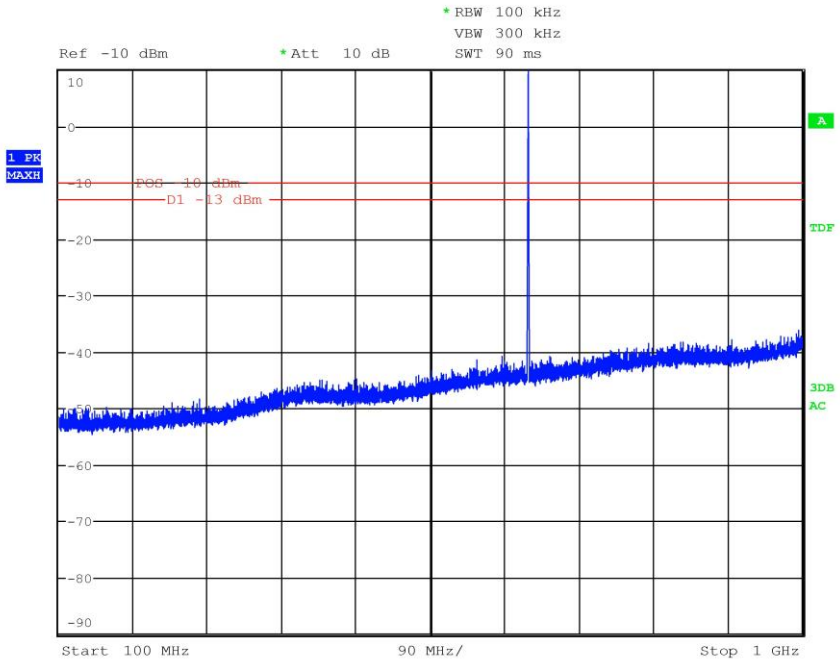
G16177963

Meas Type	Emission
Equipment under Test	
Manufacturer	
OP Condition	
Operator	Bertezzolo 16177963
Test Spec	



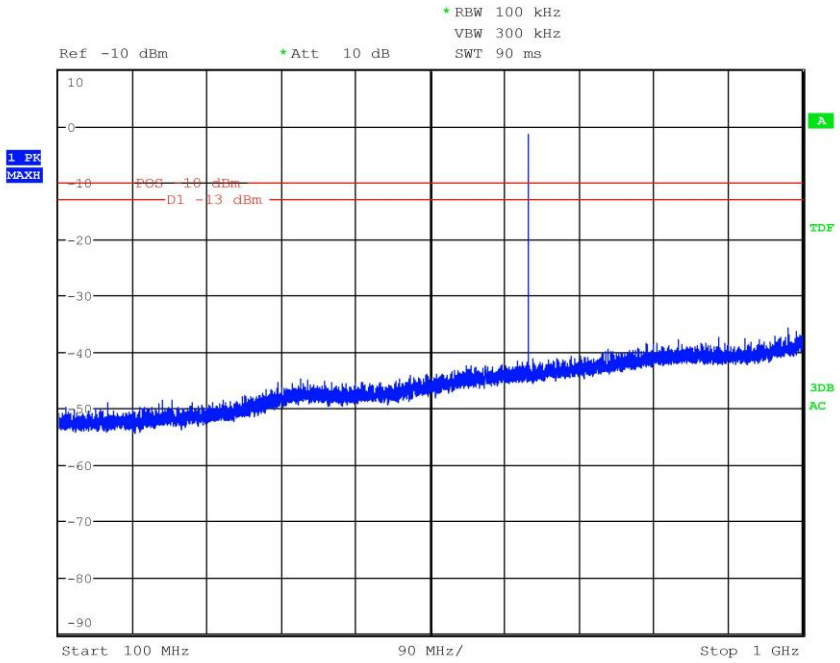
G16177964

Meas Type	Emission
Equipment under Test	
Manufacturer	
OP Condition	
Operator	Bertezzolo 16177964
Test Spec	



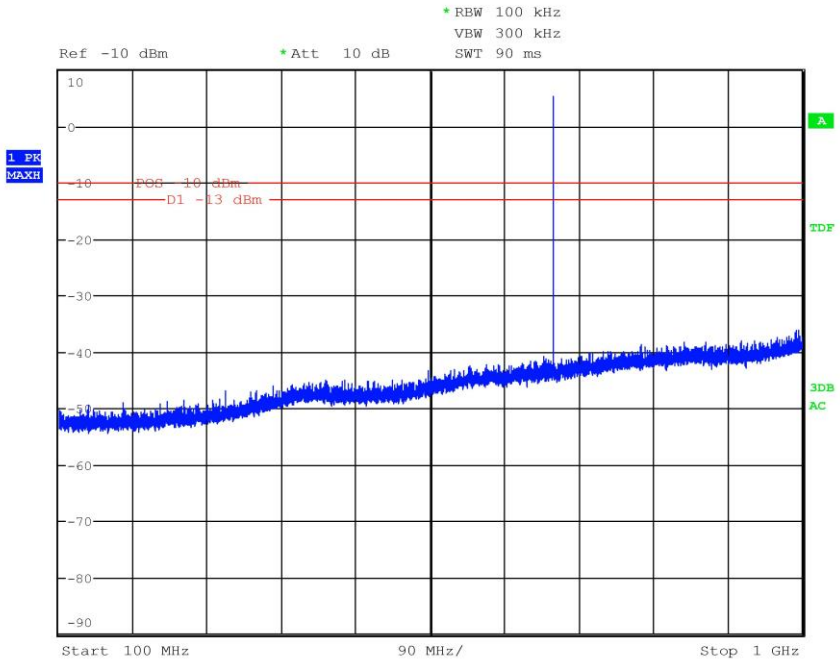
G16177965

Meas Type	Emission
Equipment under Test	
Manufacturer	
OP Condition	
Operator	Bertezzolo 16177965
Test Spec	



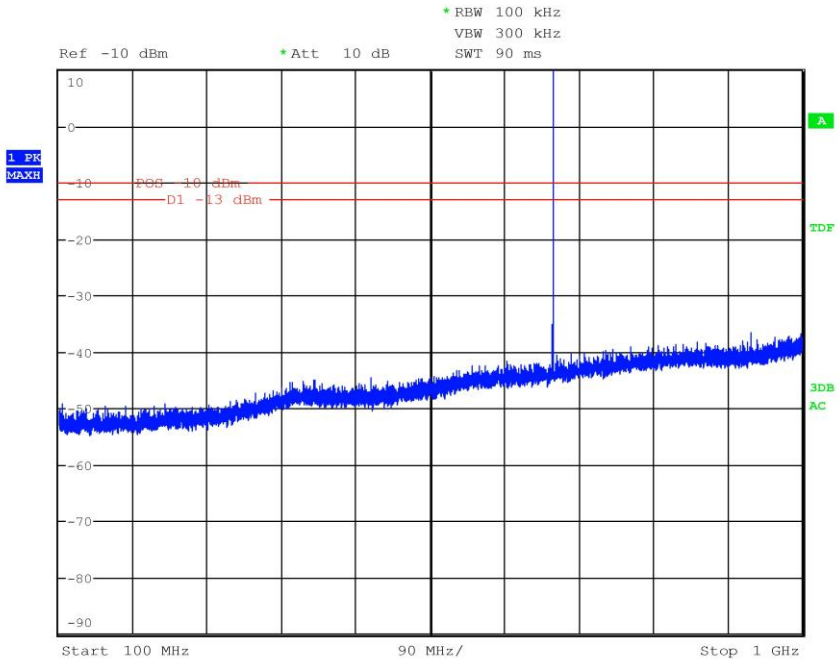
G16177966

Meas Type	Emission
Equipment under Test	
Manufacturer	
OP Condition	
Operator	Bertezzolo 16177966
Test Spec	



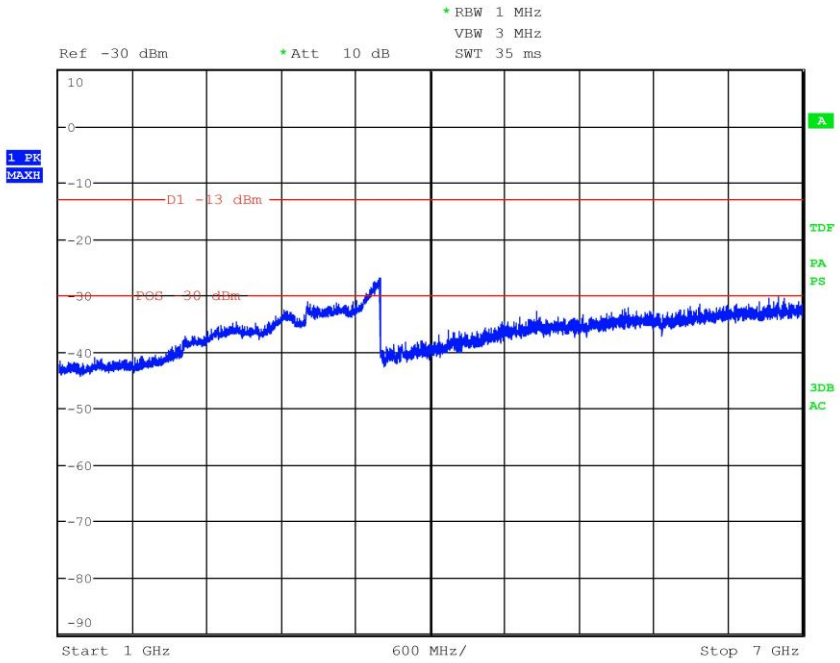
G16177967

Meas Type	Emission
Equipment under Test	
Manufacturer	
OP Condition	
Operator	Bertezzolo 16177967
Test Spec	



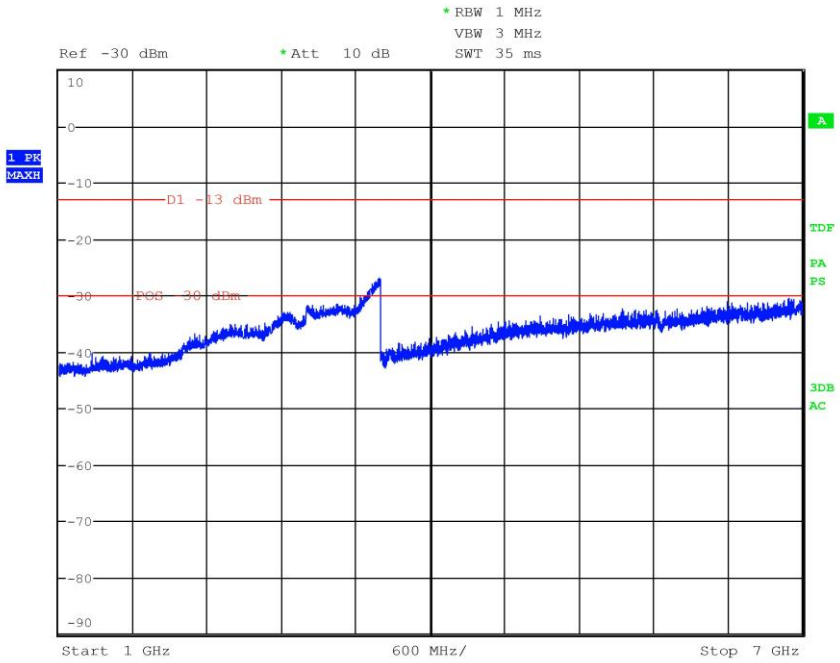
G16177968

Meas Type	Emission
Equipment under Test	
Manufacturer	
OP Condition	
Operator	Bertezzolo 16177968
Test Spec	



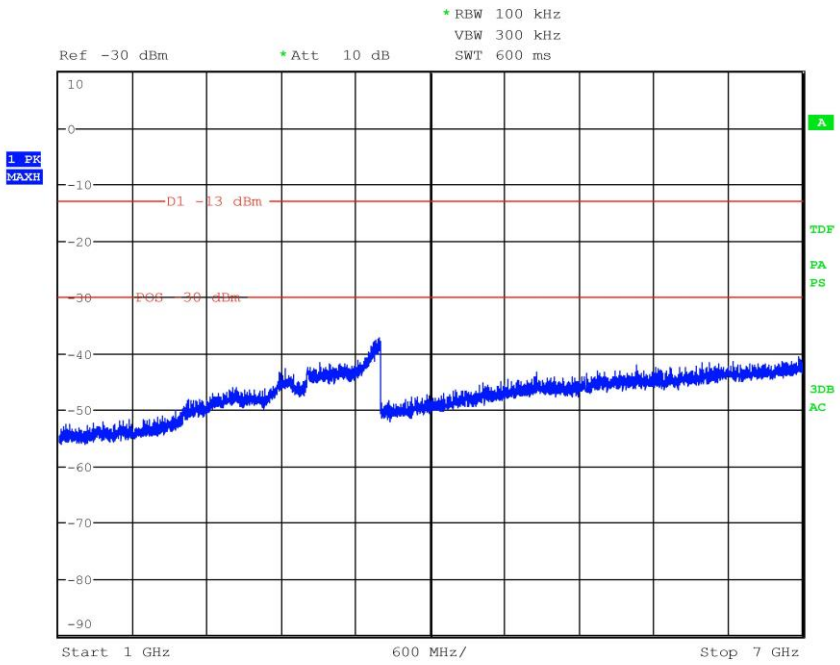
G16177969

Meas Type	Emission
Equipment under Test	
Manufacturer	
OP Condition	
Operator	Bertezzolo 16177969
Test Spec	



G16177970

Meas Type	Emission
Equipment under Test	
Manufacturer	
OP Condition	
Operator	Bertezzolo 16177970
Test Spec	



Result: The requirements are met