

Appendix B-1
Maximum Emissions Modification Limits

Gen 1.1 - Tier 2, Bin 7 with 0.01 g/mi PM Emission Standards.

Test Procedure	NOx (g/mi)		NMOG (g/mi)		CO (g/mi)			PM (g/mi)			Formaldehyde (g/mi)		NMHC+NOx (g/mi)
	50 kmi	120 kmi	50 kmi	120 kmi	4 kmi	50 kmi	120 kmi	50 kmi	120 kmi	50 kmi	120 kmi	4 kmi	
FTP 75	0.11	0.15	0.075	0.090	/	3.4	4.2	0.01	0.01	0.015	0.018	/	
FTP@1620m													
HWY FET	0.15	0.20	/	/	/	/	/	/	/	/	/	/	
SFTP Composite	1.44 @ 120 kmi				/	/	/	0.09	0.09	/	/	/	
US06	/	/	/	/	11.8	19.3	19.3	/	/	/	/	0.6	
SC03	/	/	/	/	4.0	6.4	6.4	/	/	/	/	0.44	

"/" = no applicable limit

Note: California limits, if different from federal limits, are designated in brackets ("[]")

Gen 1.2 (Audi Q7) Tier 2, Bin 6 Emission Standards.

Test Procedure	NOx (g/mi)		NMOG (g/mi)		CO (g/mi)			PM (g/mi)		Formaldehyde (g/mi)		NMHC+NOx (g/mi)
	50 kmi	120 kmi	50 kmi	120 kmi	4 kmi	50 kmi	120 kmi	50 kmi	120 kmi	50 kmi	120 kmi	4 kmi
FTP 75	0.08	0.10	0.075	0.090	/	3.4	4.2	0.01	0.01	0.015	0.018	/
FTP@1620m												
HWY FET	0.11	0.13	/	/	/	/	/	/	/	/	/	/
SFTP Composite	1.43 @ 120 kmi				/	/	/	0.08	0.08	/	/	/
US06	/	/	/	/	11.8	19.3	19.3	/	/	/	/	0.6
SC03	/	/	/	/	4.0	6.4	6.4	/	/	/	/	0.44

"/" = no applicable limit

Note: California limits, if different from federal limits, are designated in brackets ("[]")

Gen 1.2 (VW Touareg) Tier 2, Bin 6 Emission Standards.

Test Procedure	NOx (g/mi)		NMOG (g/mi)		CO (g/mi)			PM (g/mi)		Formaldehyde (g/mi)		NMHC+NOx (g/mi)
	50 kmi	120 kmi	50 kmi	120 kmi	4 kmi	50 kmi	120 kmi	50 kmi	120 kmi	50 kmi	120 kmi	4 kmi
FTP 75	0.08	0.10	0.075	0.090	/	3.4	4.2	0.01	0.01	0.015	0.018	/
FTP@1620m												
HWY FET	0.11	0.13	/	/	/	/	/	/	/	/	/	/
SFTP Composite	1.00 @ 120 kmi				/	/	/	0.07	0.07	/	/	/
US06	/	/	/	/	10.5	16.9	16.9	/	/	/	/	0.4
SC03	/	/	/	/	3.5	5.6	5.6	/	/	/	/	0.31

"/" = no applicable limit

Note: California limits, if different from federal limits, are designated in brackets ("[]")

Gen 2.1 (Audi Q7) Tier 2, Bin 5 [LEV2 ULEV] Emission Standards and Maximum Emissions Modification Limits.

Test Procedure	NOx (g/mi)		NMOG (g/mi)		CO (g/mi)			PM (g/mi)			Formaldehyde (g/mi)		NMHC+NOx (g/mi)
	50 kmi	120 kmi	50 kmi	120 kmi	4 kmi	50 kmi	120 kmi	4 kmi	50 kmi	120 kmi	50 kmi	120 kmi	4 kmi
FTP 75					/			/					/

FTP@1620 m	0.0 5	0.0 7	0.075 [0.040]	0.090 [0.055]		3.4 [1.7]	4.2 [2.1]		0.0 1	0.0 1	0.015 [0.008]	0.018 [0.011]	
HWY FET	0.0 7	0.0 9	/	/	/	/	/	/	/	/	/	/	/
SFTP Composite	1.41 @ 120 km []				/	/	/	/	0.0 8 []	0.0 8 []	/	/	/
US06	/	/	/	/	11. 8	19. 3 []	19. 3 []	0.0 8 []	/	/	/	/	0.60
SC03	/	/	/	/	4.0	6.4 []	6.4 []	/	/	/	/	/	0.44

"/" = no applicable limit

Note: California limits, if different from federal limits, are designated in brackets ("[]")

The maximum emissions modification limits are 0.09 and 0.11 g/mi NOx for 50 km and 120 km, respectively, using FTP75 and FTP@1620m test procedures; all other limits remain unchanged.

Gen 2.1 (VW Touareg and Porsche Cayenne) Tier 2, Bin 5 [LEV2 ULEV] Emission Standards and Maximum Emissions Modification Limits.

Test Procedure	NOx (g/mi)		NMOG (g/mi)		CO (g/mi)			PM (g/mi)			Formaldehyde (g/mi)		NMHC+NOx (g/mi)
	50 km	120 km	50 km	120 km	4 km	50 km	120 km	4 km	50 km	120 km	50 km	120 km	4 km
FTP 75	0.05	0.07	0.075	0.090	/	3.4	4.2	/	0.01	0.01	0.015	0.018	/
FTP@1620m			[0.040]	[0.055]	[1.7]	[2.1]	[0.008]	[0.011]					
HWY FET	0.07	0.09	/	/	/	/	/	/	/	/	/	/	/
SFTP Composite	0.99 @ 120 km []				/	/	/	/	0.07 []	0.07 []	/	/	/
US06	/	/	/	/	10.5	16.9	16.9	0.07 []	/	/	/	/	0.40
SC03	/	/	/	/	3.5	5.6 []	5.6 []	/	/	/	/	/	0.31

"/" = no applicable limit

Note: California limits, if different from federal limits, are designated in brackets ("[]")

The maximum emissions modification limits are 0.09 and 0.11 g/mi NOx for 50 km and 120 km, respectively, using FTP75 and FTP@1620m test procedures; all other limits remain unchanged.

Gen 2.2 (VW Touareg and Porsche Cayenne) Tier 2, Bin 5 [LEV2 ULEV] Emission Standards and Maximum Emissions Modification Limits.

Test Procedures	NOx (g/mi)		NMOG (g/mi)		CO (g/mi)			PM (g/mi)			Formaldehyde (g/mi)		NMHC+NOx (g/mi)
	50 km	120 km	50 km	120 km	4 km	50 km	120 km	4 km	50 km	120 km	50 km	120 km	4 km
FTP 75	0.0 5	0.0 7	0.075	0.090	/	3.4	4.2	/	0.0 1	0.0 1	0.015	0.018	/
FTP@1620 m			[0.040]	[0.055]	[1.7]	[2.1]	[0.008]	[0.011]					
HWY FET	0.0 7	0.0 9	/	/	/	/	/	/	/	/	/	/	/
SFTP Composite	0.99 @ 120 km []				/	/	/	/	0.0 7 []	0.0 7 []	/	/	/
US06	/	/	/	/	10. 5	16. 9 []	16. 9 []	0.0 7 []	/	/	/	/	0.40
SC03	/	/	/	/	3.5	5.6 []	5.6 []	/	/	/	/	/	0.31

"/" = no applicable limit

Note: California limits, if different from federal limits, are designated in brackets ("[]")

The maximum emissions modification limits are 0.09 and 0.11 g/mi NOx for 50 kmi and 120 kmi, respectively, using FTP75 and FTP@1620m test procedures; all other limits remain unchanged.

Gen 2 PC Tier 2, Bin 5 [LEV2 ULEV] Emission Standards and Maximum Emissions Modification Limits.

Test Procedures	NOx (g/mi)		NMOG (g/mi)		CO (g/mi)			PM (g/mi)			Formaldehyde (g/mi)		NMHC+NOx (g/mi)
	50 kmi	120 kmi	50 kmi	120 kmi	4 kmi	50 kmi	120 kmi	4 kmi	50 kmi	120 kmi	50 kmi	120 kmi	4 kmi
FTP 75	0.05	0.07	0.075	0.090	/	3.4	4.2	/	0.01	0.01	0.015	0.018	/
FTP@1620m			[0.040]	[0.055]	[1.7]	[2.1]	[0.008]	[0.011]					
HWY FET	0.07	0.09	/	/	/	/	/	/	/	/	/	/	/
SFTP Composite	0.65 @ 120 kmi[[]]				/	/	/	/	0.07 [[]]	0.07 [[]]	/	/	/
US06	/	/	/	/	8.0	11.1	11.1 [[]]	0.07 [[]]	/	/	/	/	0.14
SC03	/	/	/	/	2.7	3.7 [[]]	3.7 [[]]	/	/	/	/	/	0.20

"/" = no applicable limit

Note: California limits, if different from federal limits, are designated in brackets ("[]")

The maximum emissions modification limits are 0.09 and 0.11 g/mi NOx for 50 kmi and 120 kmi, respectively, and 0.075 and 0.090 g/mi NMOG for 50 kmi and 120 kmi, respectively using FTP75 and FTP@1620m test procedures; all other limits remain unchanged.