

Test Report No.50222674 001

Appendix D: Radiated and Mains Spurious Emission Data

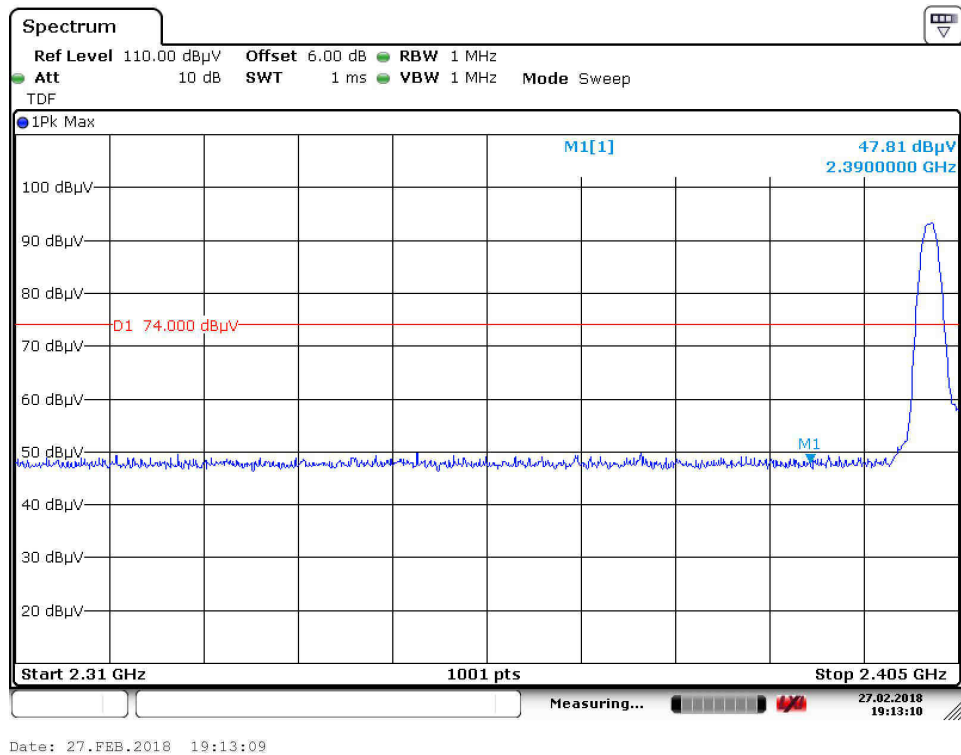
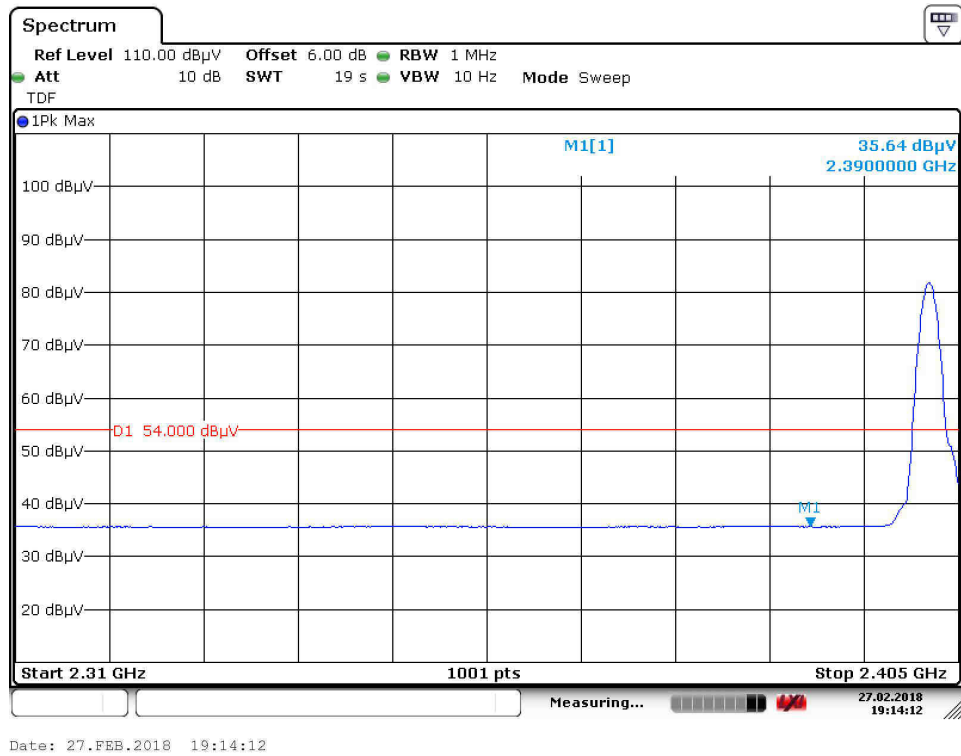
(File: 50222674AppendixD)

Contents

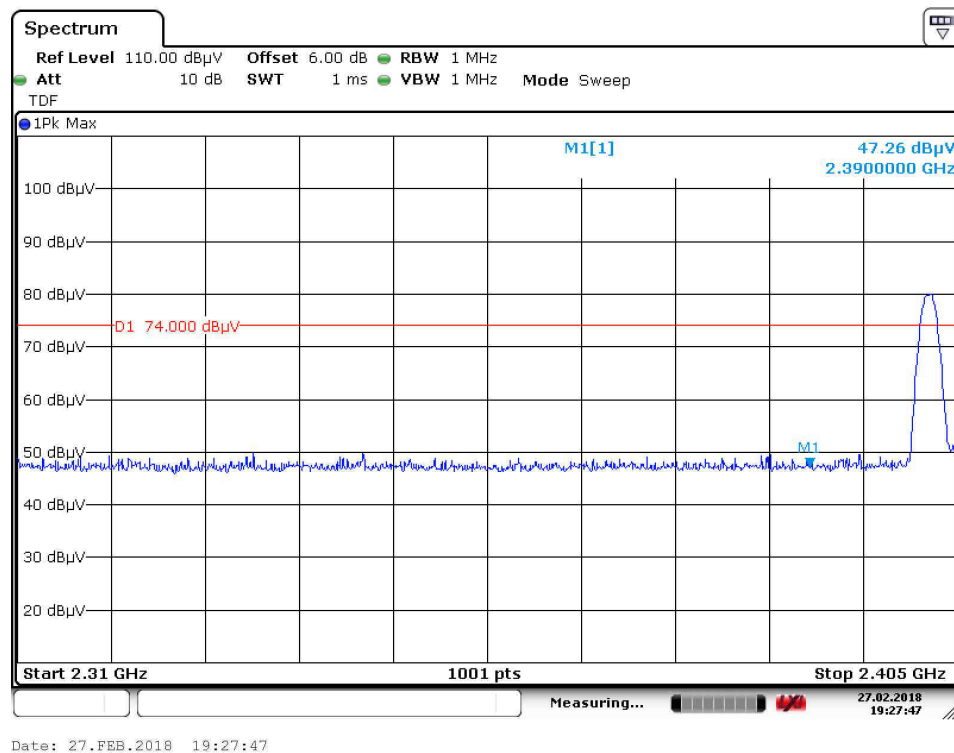
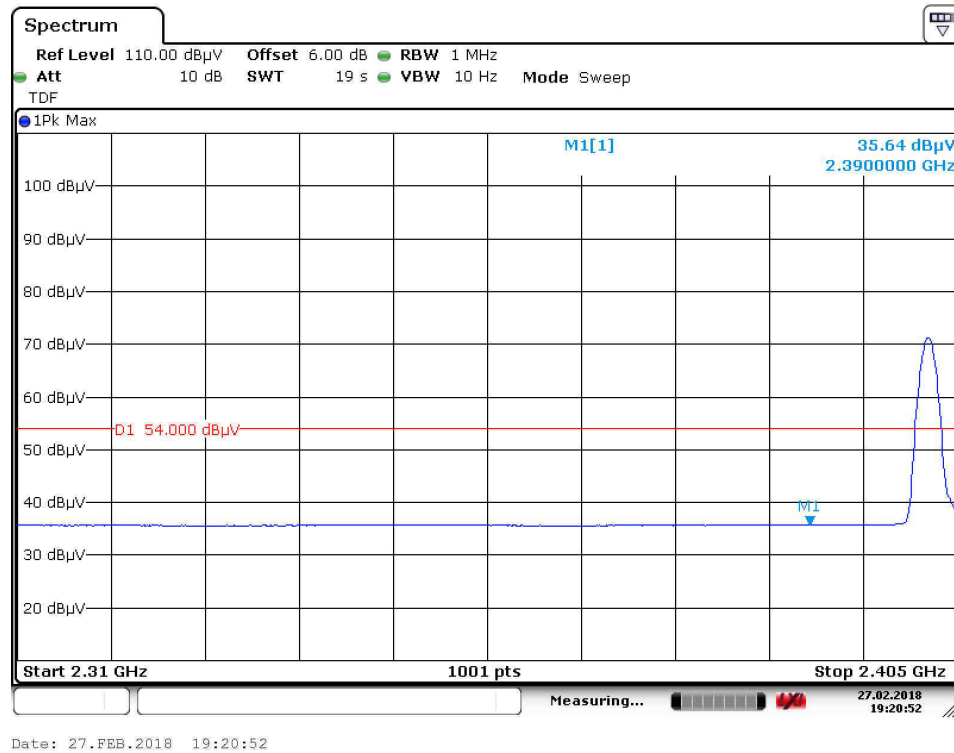
Spurious Emissions, Band Edges, 2.35-2.5G	2
Spurious Emissions, TX Mode, 1-18G	10
Spurious Emissions, TX Mode, 18-26G	22
Spurious Emissions, TX Mode, 30M-1G	34
Spurious Emissions, TX Mode, 9k-30M	36
Spurious Emissions, RX Mode, 1-18G	38
Spurious Emissions, RX Mode, 18-26G	40
Spurious Emissions, RX Mode, 30M-1G	42
Spurious Emissions, RX Mode, 9K-30M	44

Radiated Bandedge (GFSK)

Low Channel (Hor)



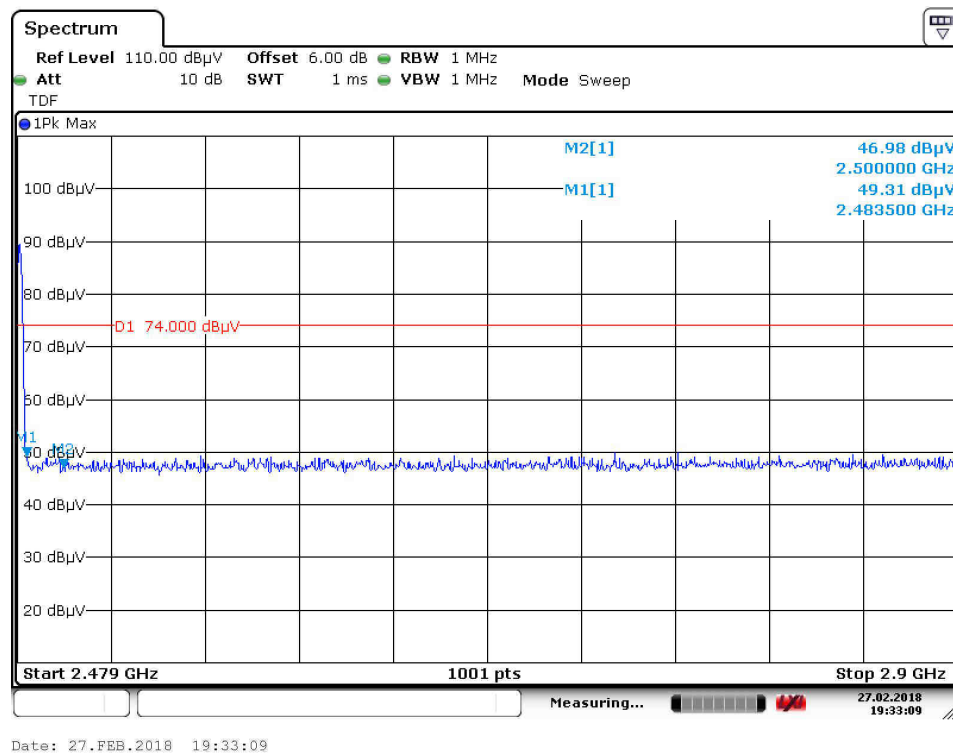
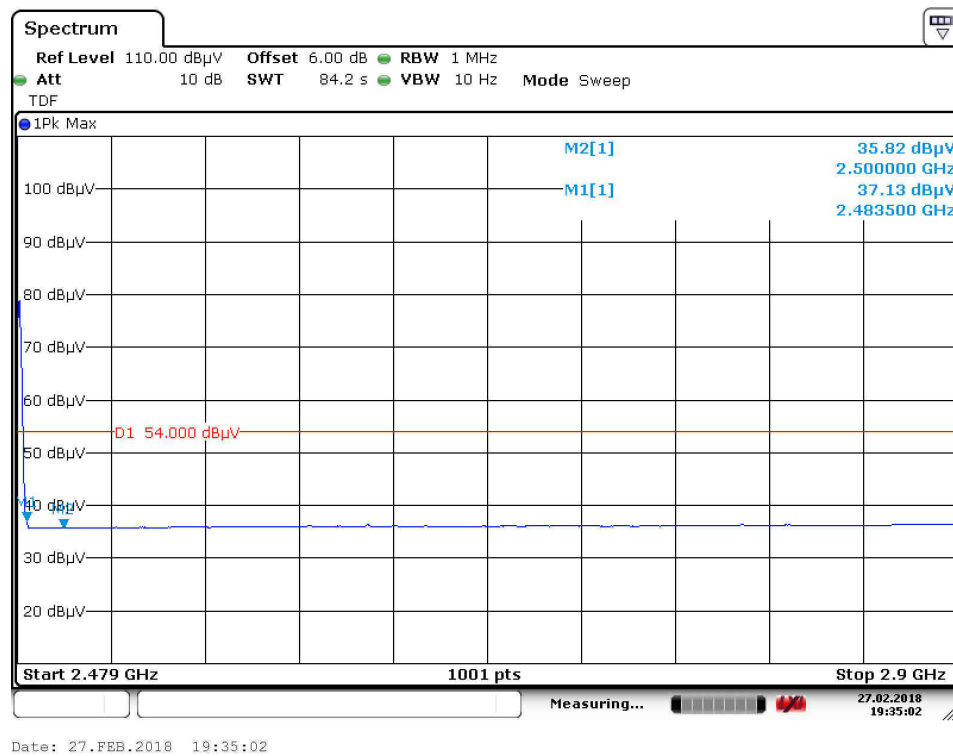
Low Channel (Ver)



Spurious Emissions, Band Edge, 2.35-2.5G

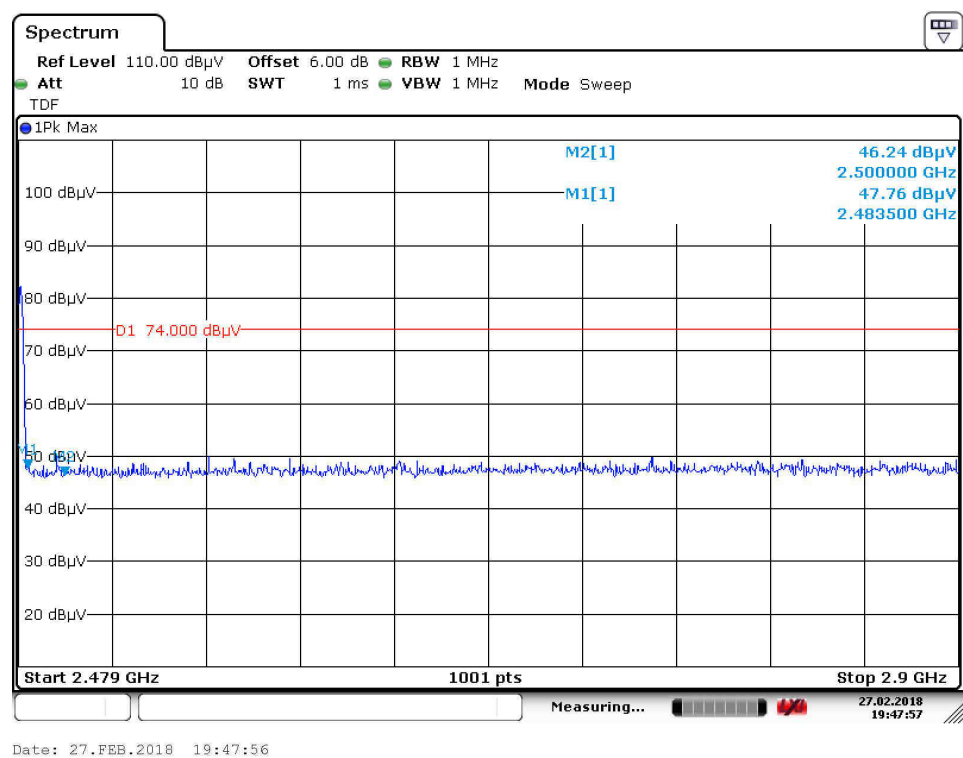
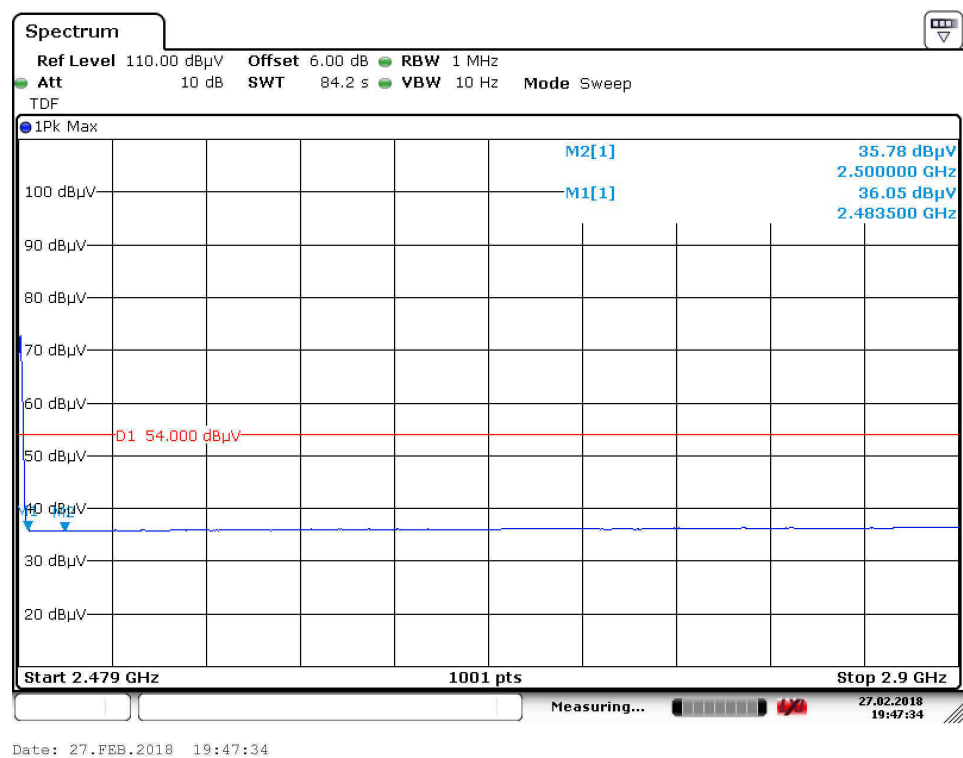
Radiated Bandedge (GFSK)

High Channel (Hor)



Spurious Emissions, Band Edge, 2.35-2.5G

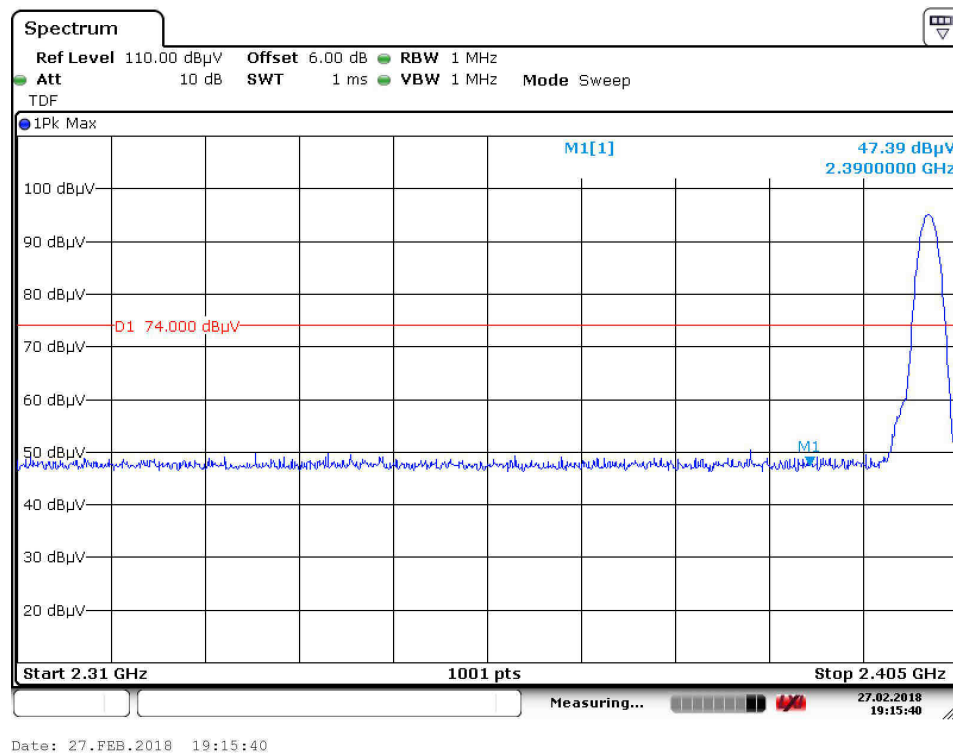
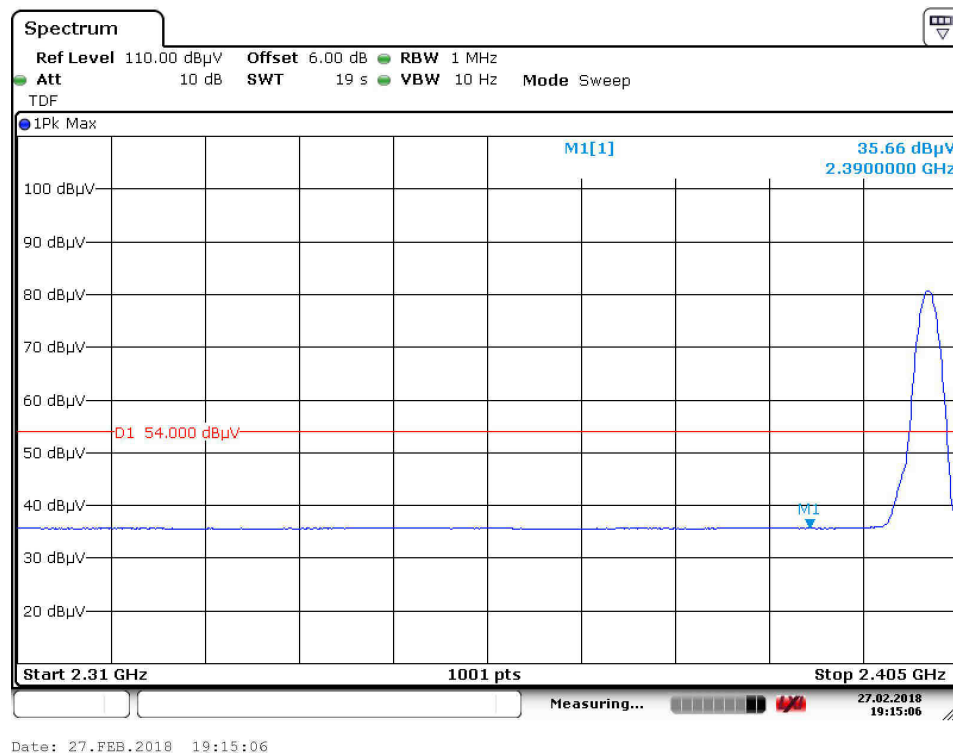
High Channel (Ver)



Spurious Emissions, Band Edge, 2.35-2.5G

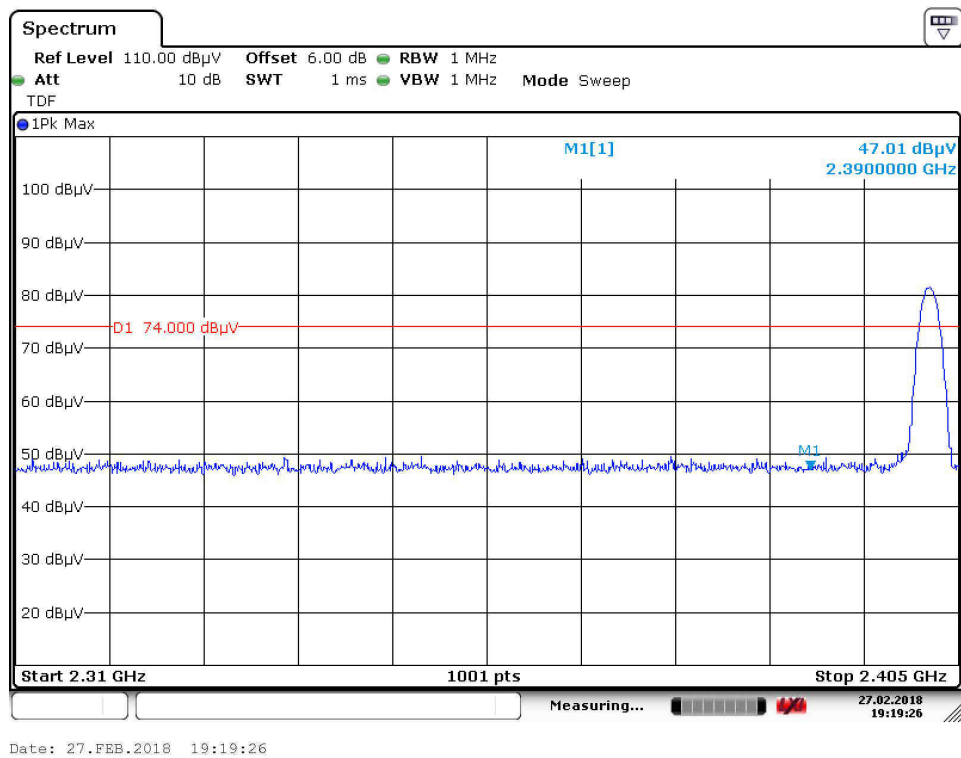
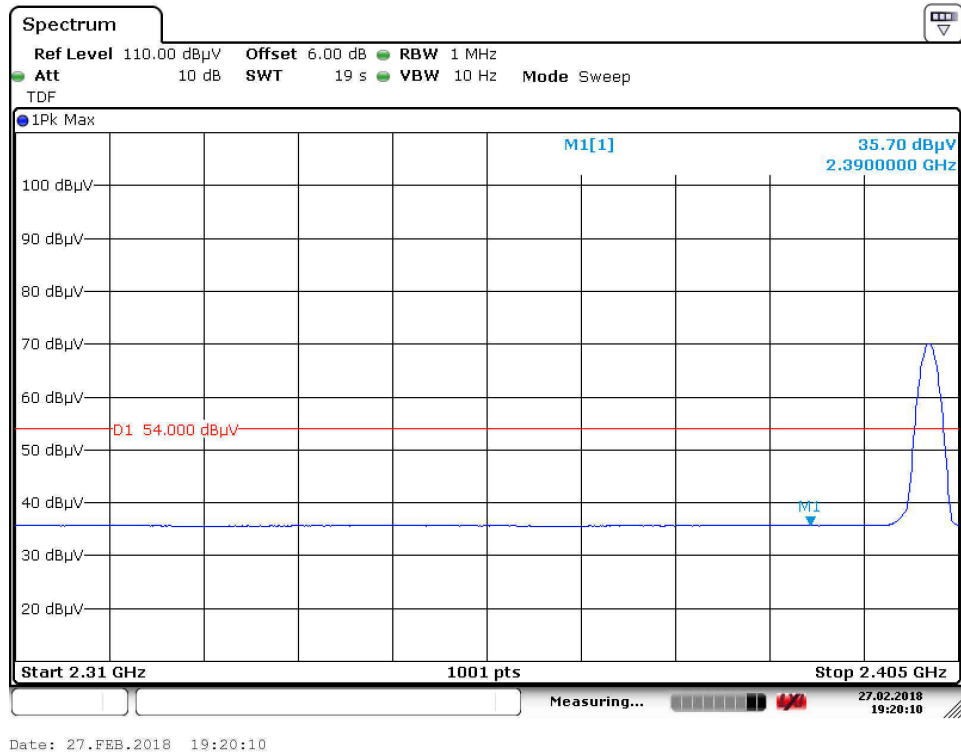
Radiated Bandedge (8DPSK)

Low Channel (Hor)



Spurious Emissions, Band Edge, 2.35-2.5G

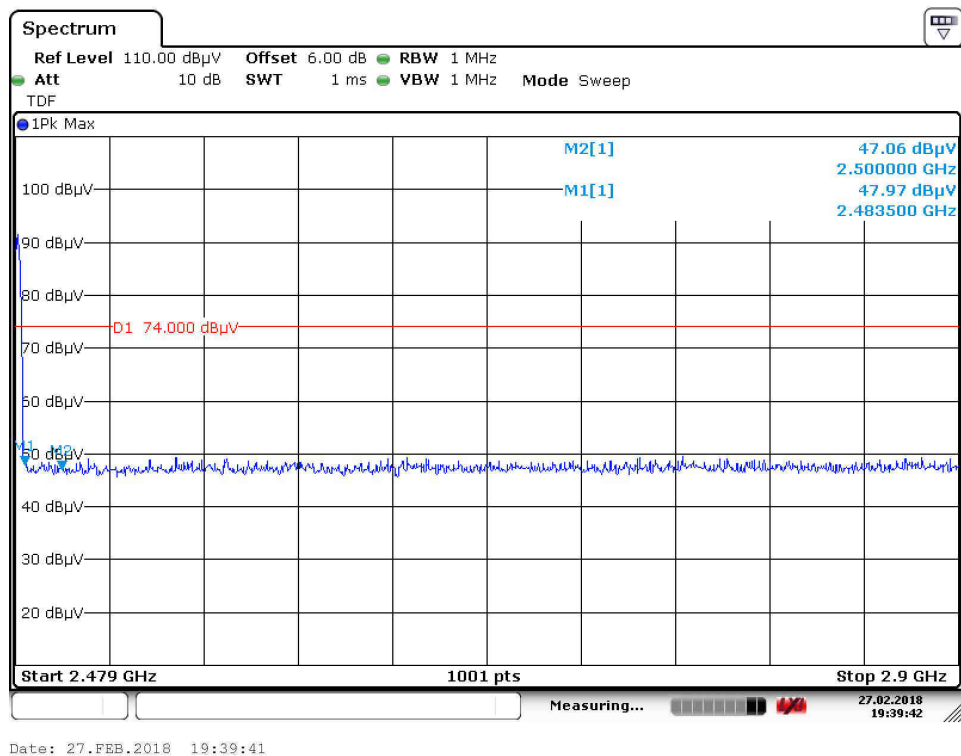
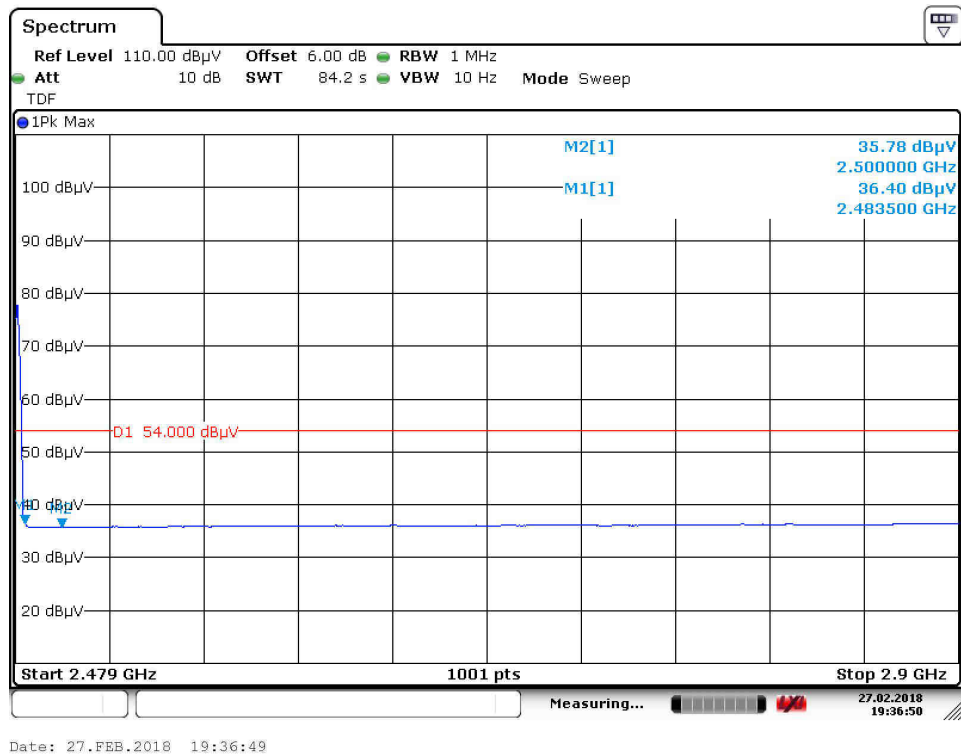
Low Channel (Ver)



Spurious Emissions, Band Edge, 2.35-2.5G

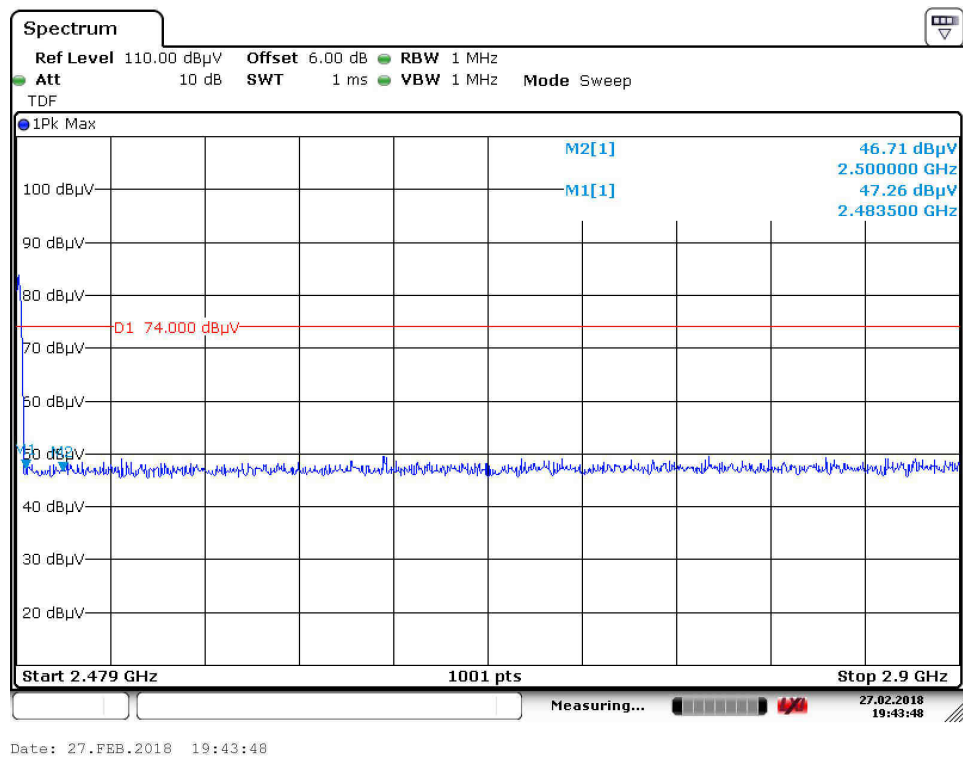
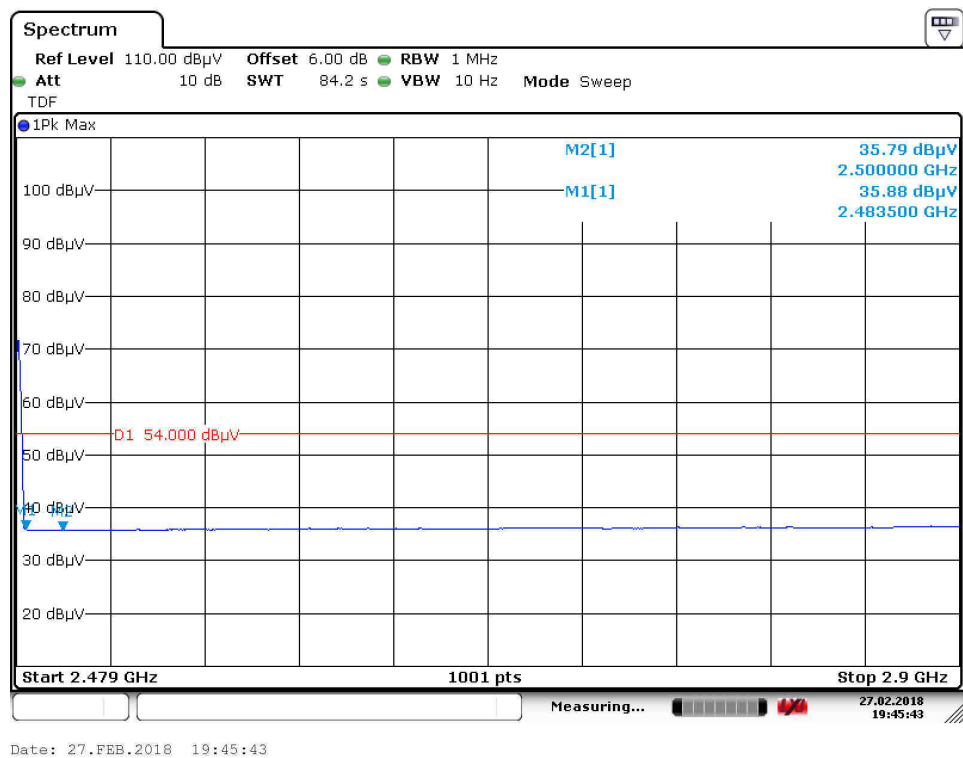
Radiated Bandedge (8DPSK)

High Channel (Hor)



Spurious Emissions, Band Edge, 2.35-2.5G

High Channel (Ver)



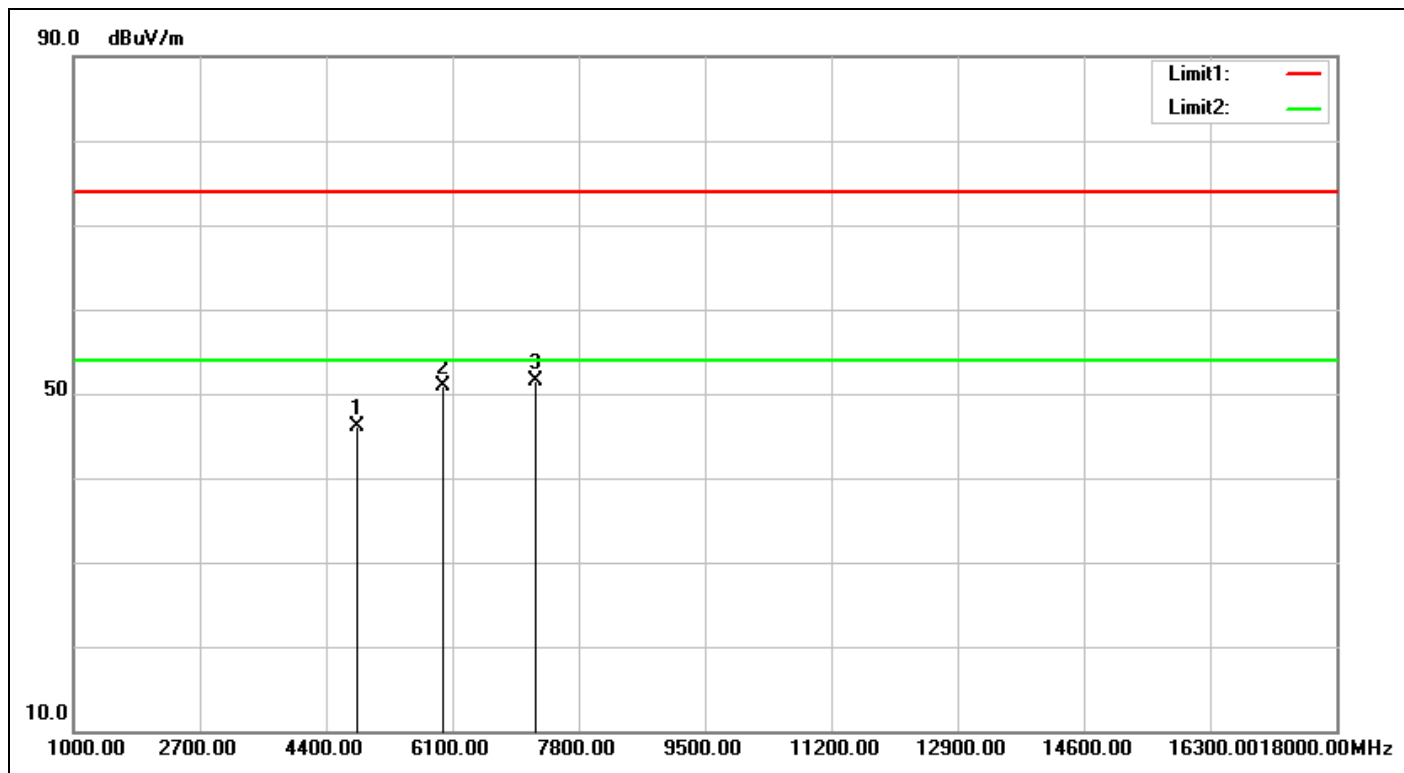
Spurious Emissions, TX Mode, 1-18G



TUV Rheinland Taiwan Ltd.

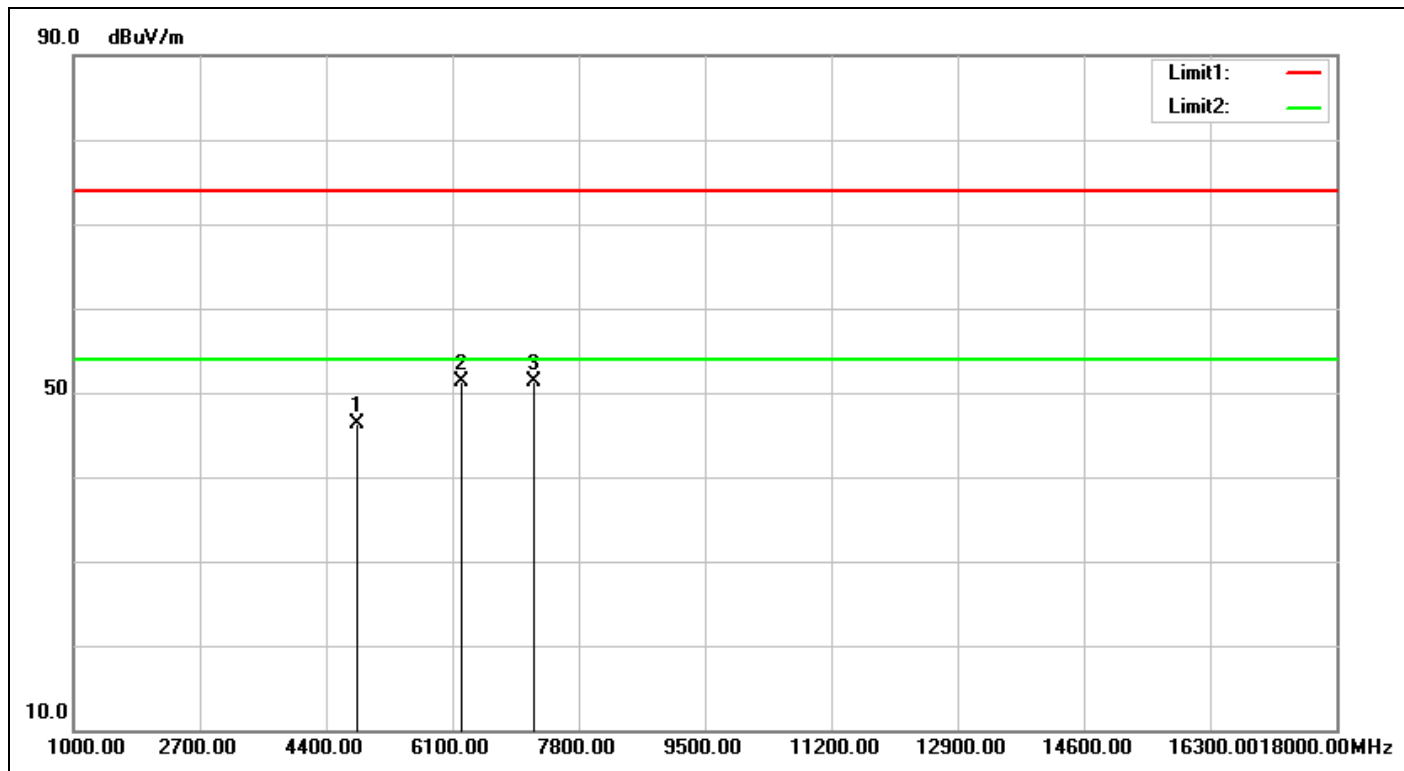
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

Tel:+886-2172-7000 fax:+886-2528-0018



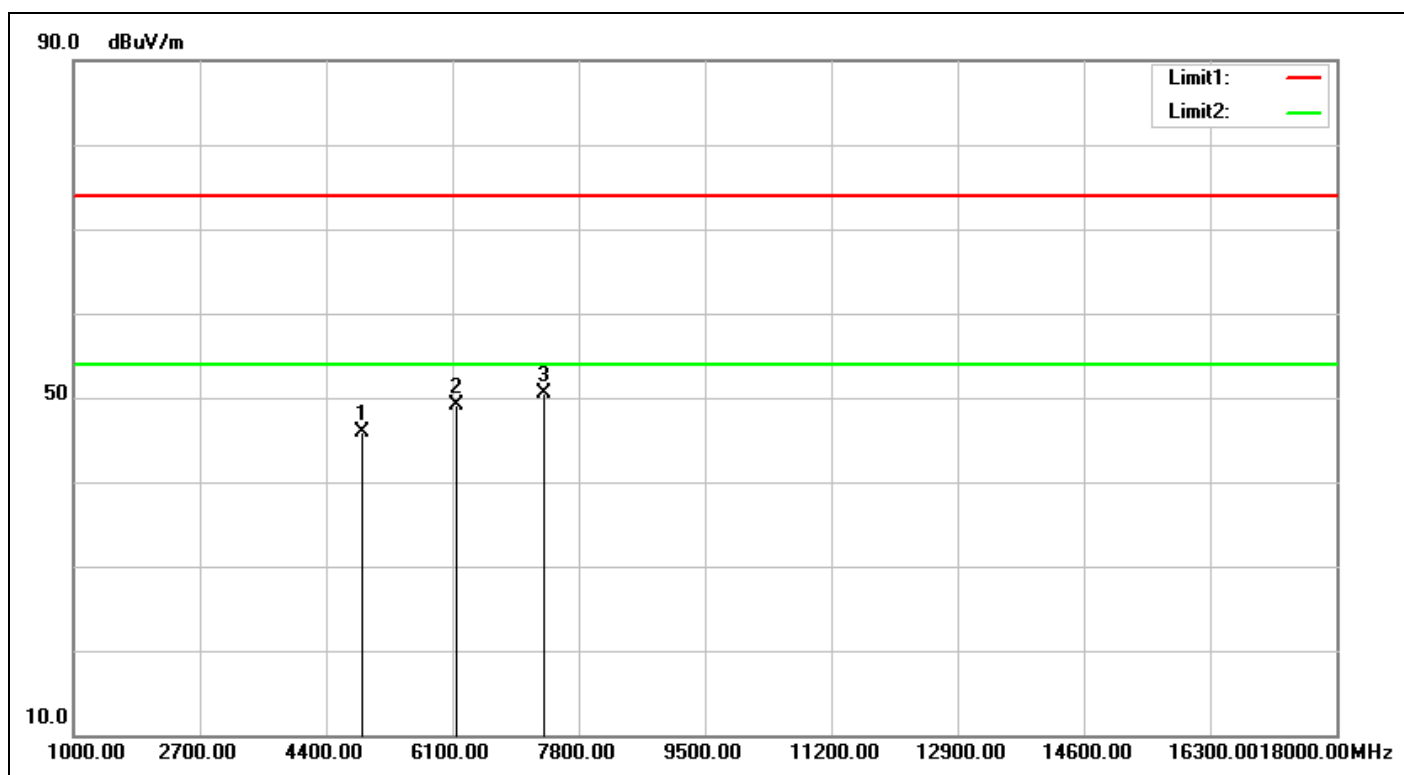
Service No.:	114056074(FERRARI NIT)-NCC-BT	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/2/27 21:14:22
Applicant:	Delphi Deutschland GmbH	Test Rating:	DC 12V
Product:	Head Unit	Temp.(°C)/Hum.(%):	20.1(°C)/61%
Model No.:	FERRARI NIT	Test Engineer:	Amy Hsu
Test Mode:	1DH5-2402		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4804.000	-2.72	48.91	46.19	74.00	-27.81	peak	100	158	
2	5964.000	3.16	47.68	50.84	74.00	-23.16	peak	100	105	
3	7236.000	5.32	46.09	51.41	74.00	-22.59	peak	100	221	



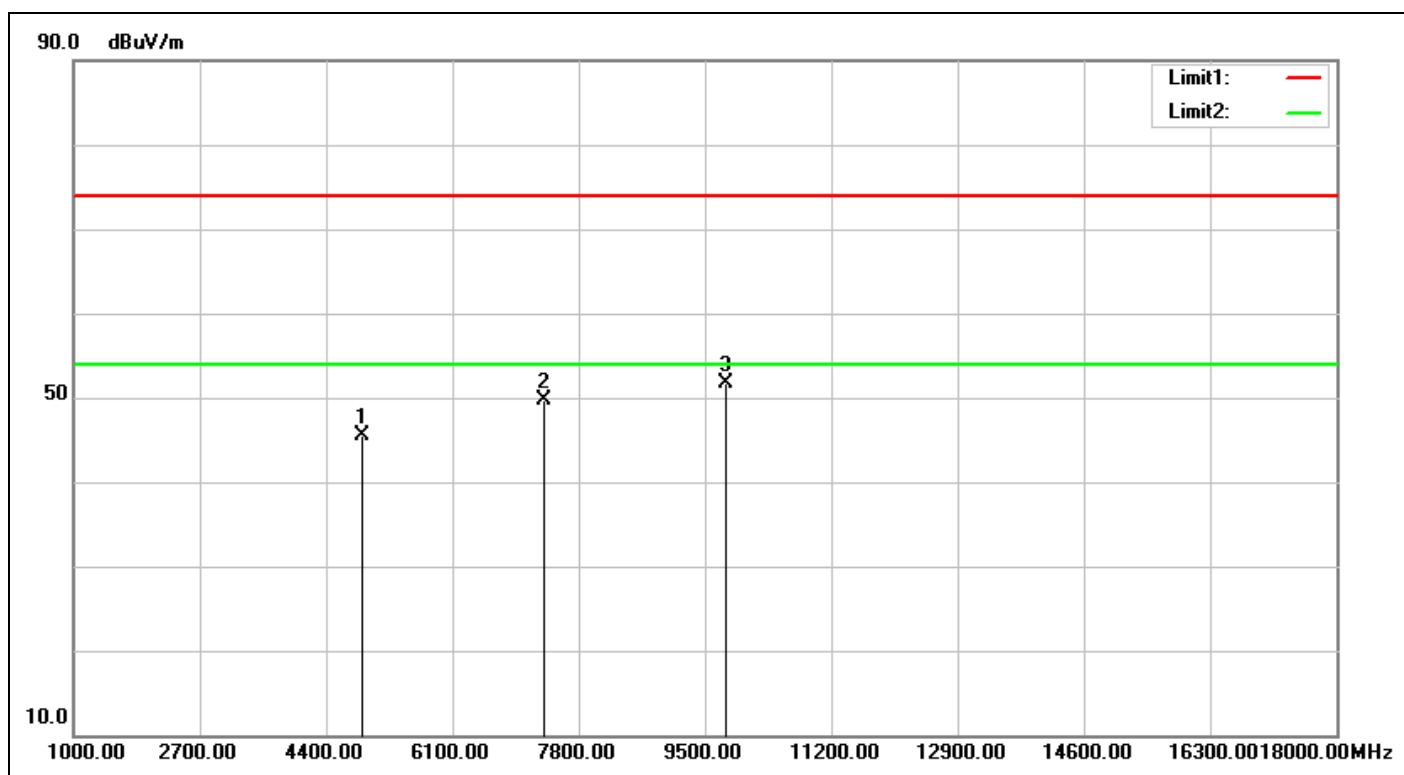
Service No.:	114056074(FERRARI NIT)-NCC-BT	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/2/27 21:15:25
Applicant:	Delphi Deutschland GmbH	Test Rating:	DC 12V
Product:	Head Unit	Temp.(°C)/Hum.(%):	20.1(°C)/61%
Model No.:	FERRARI NIT	Test Engineer:	Amy Hsu
Test Mode:	1DH5-2402		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4804.000	-2.72	48.98	46.26	74.00	-27.74	peak	100	194	
2	6219.000	4.26	46.98	51.24	74.00	-22.76	peak	100	137	
3	7206.000	5.25	46.00	51.25	74.00	-22.75	peak	100	208	



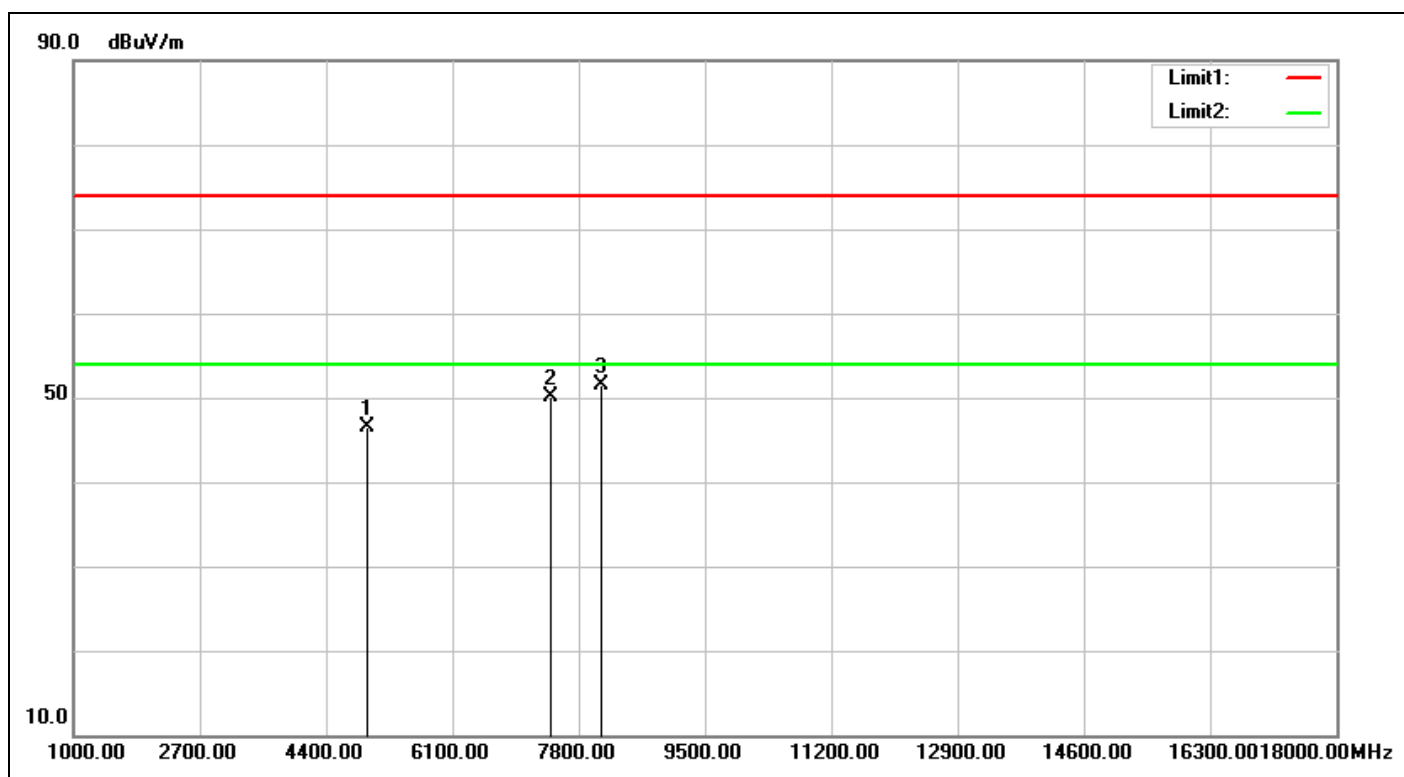
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/2/27 21:18:21
Applicant:	Delphi Deutschland GmbH	Test Rating:	DC 12V
Product:	Head Unit	Temp.(°C)/Hum.(%)	20.1(°C)/61%
Model No.:	FERRARI NIT	Test Engineer:	Amy Hsu
Test Mode:	1DH5-2441		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4882.000	-2.50	48.31	45.81	74.00	-28.19	peak	100	201	
2	6151.000	3.99	45.21	49.20	74.00	-24.80	peak	100	164	
3	7323.000	5.54	44.89	50.43	74.00	-23.57	peak	100	237	



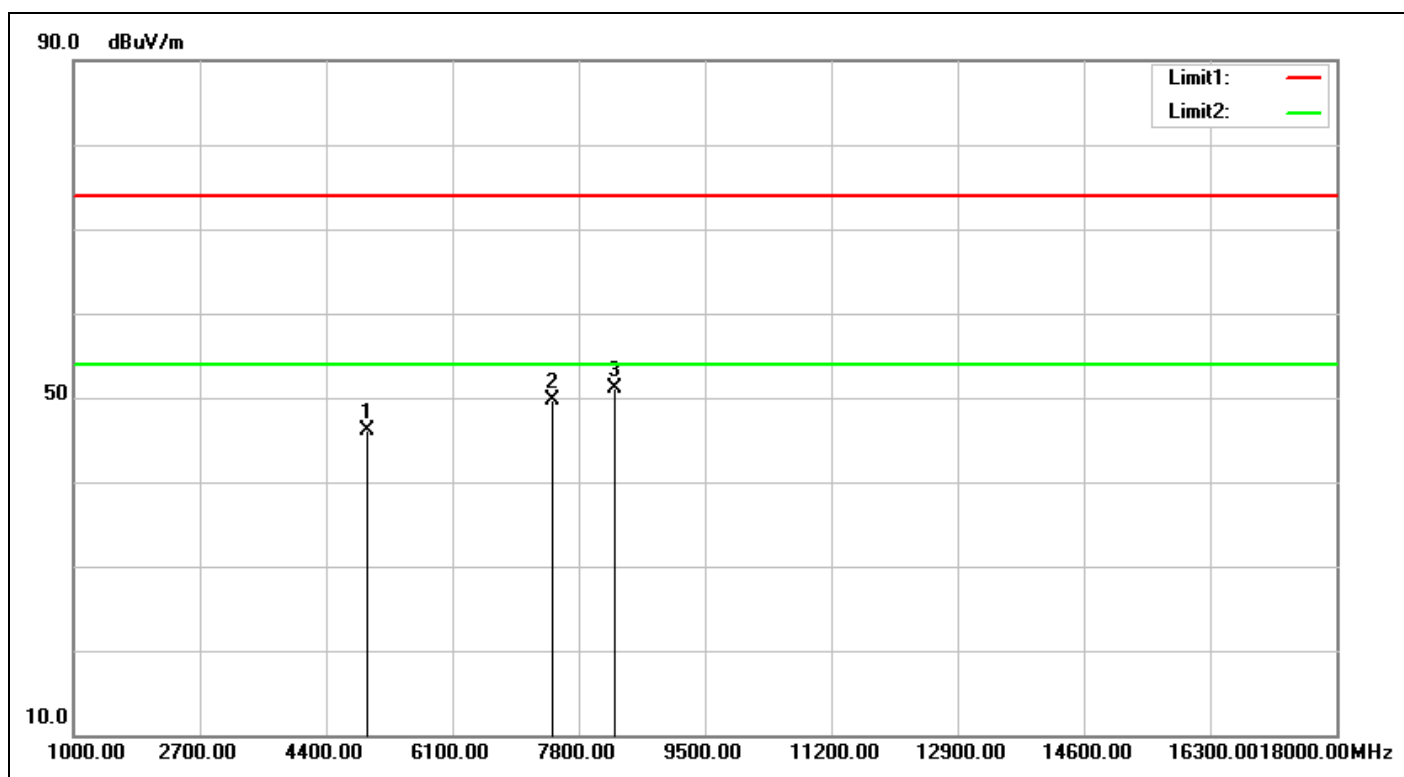
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/2/27 21:19:24
Applicant:	Delphi Deutschland GmbH	Test Rating:	DC 12V
Product:	Head Unit	Temp.(°C)/Hum.(%)	20.1(°C)/61%
Model No.:	FERRARI NIT	Test Engineer:	Amy Hsu
Test Mode:	1DH5-2441		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4882.000	-2.50	48.04	45.54	74.00	-28.46	peak	100	132	
2	7323.000	5.54	44.22	49.76	74.00	-24.24	peak	100	164	
3	9764.000	6.06	45.71	51.77	74.00	-22.23	peak	100	240	



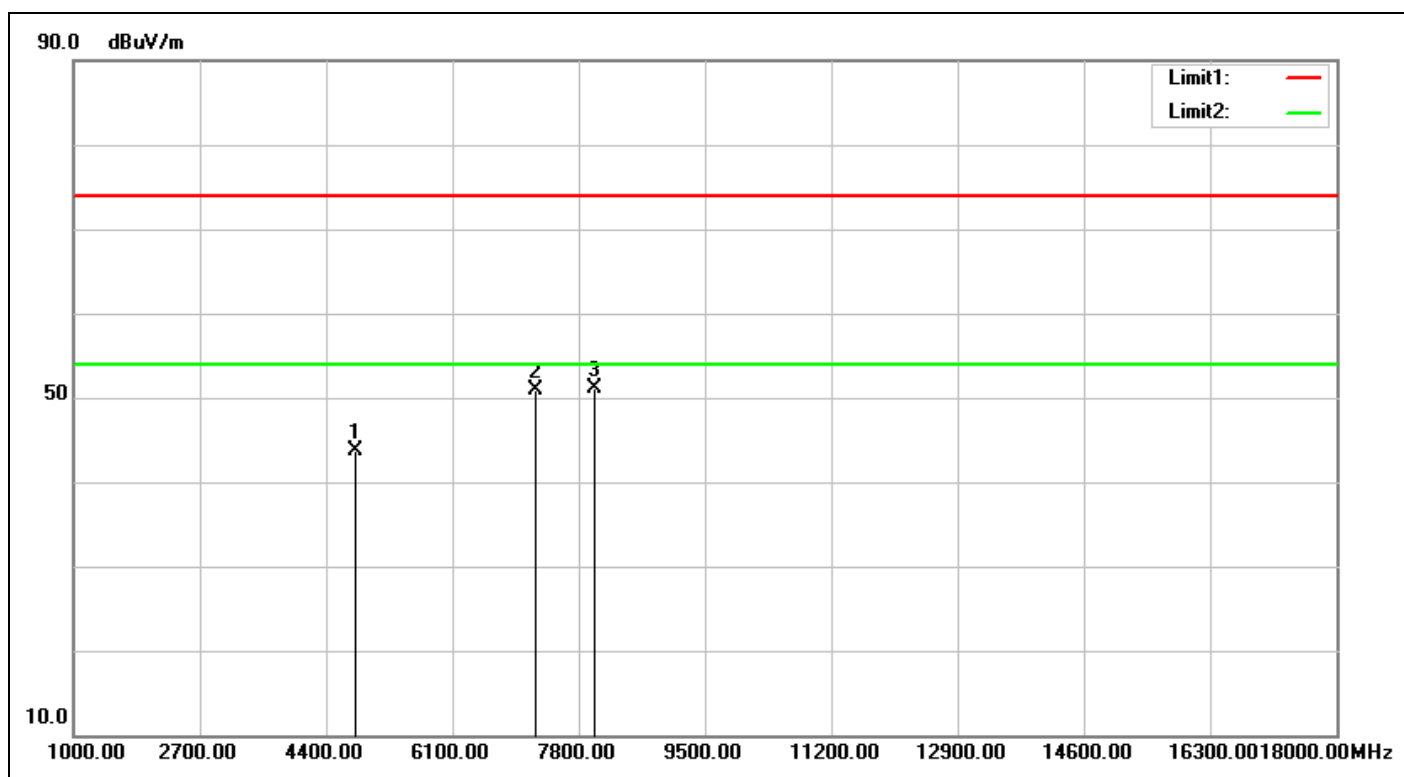
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/2/27 21:22:17
Applicant:	Delphi Deutschland GmbH	Test Rating:	DC 12V
Product:	Head Unit	Temp.(°C)/Hum.(%)	20.1(°C)/61%
Model No.:	FERRARI NIT	Test Engineer:	Amy Hsu
Test Mode:	1DH5-2480		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4960.000	-2.28	48.86	46.58	74.00	-27.42	peak	100	135	
2	7440.000	5.84	44.21	50.05	74.00	-23.95	peak	100	179	
3	8106.000	5.94	45.55	51.49	74.00	-22.51	peak	100	264	



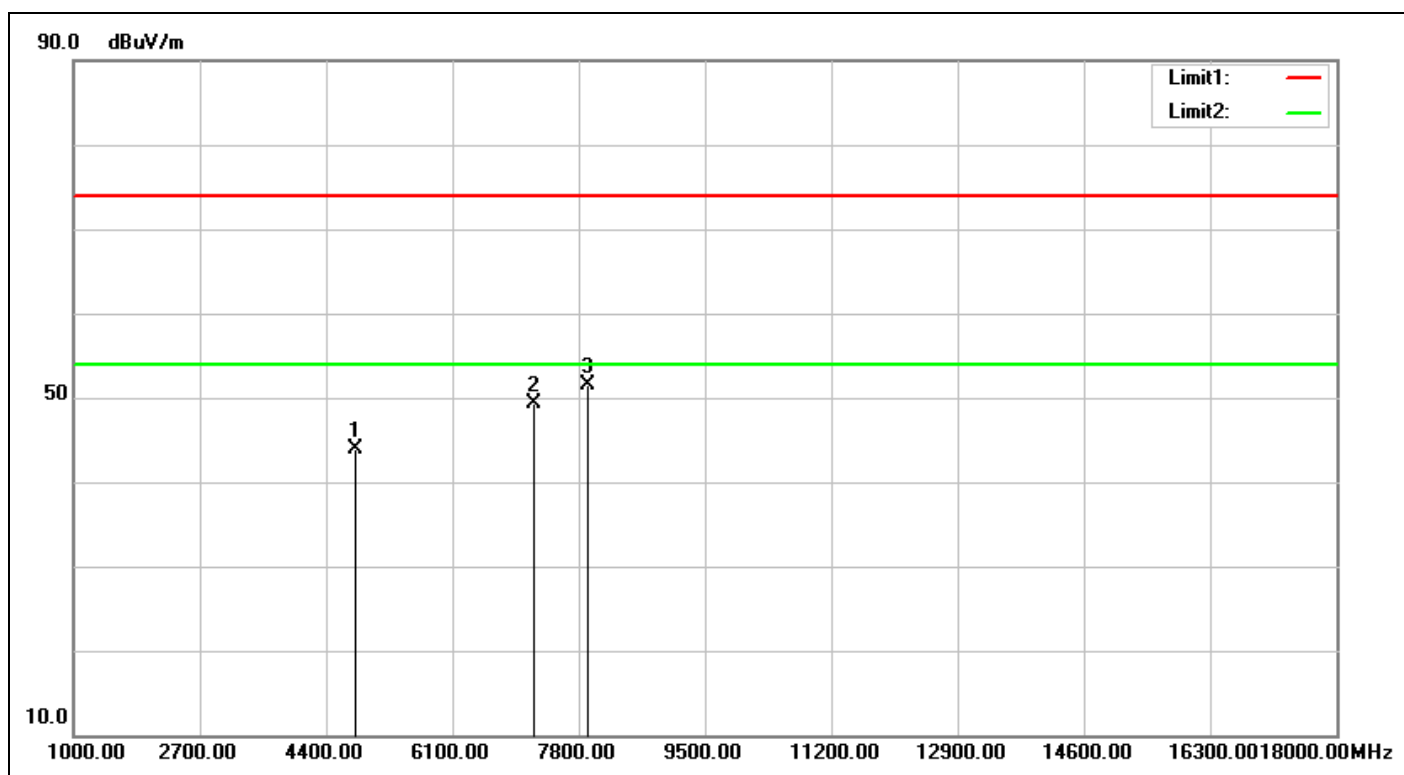
Service No.:	114056074(FERRARI NIT)-NCC-BT	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/2/27 21:23:19
Applicant:	Delphi Deutschland GmbH	Test Rating:	DC 12V
Product:	Head Unit	Temp.(°C)/Hum.(%):	20.1(°C)/61%
Model No.:	FERRARI NIT	Test Engineer:	Amy Hsu
Test Mode:	1DH5-2480		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4960.000	-2.28	48.41	46.13	74.00	-27.87	peak	100	224	
2	7440.000	5.84	43.89	49.73	74.00	-24.27	peak	100	130	
3	8293.000	6.15	44.93	51.08	74.00	-22.92	peak	100	176	



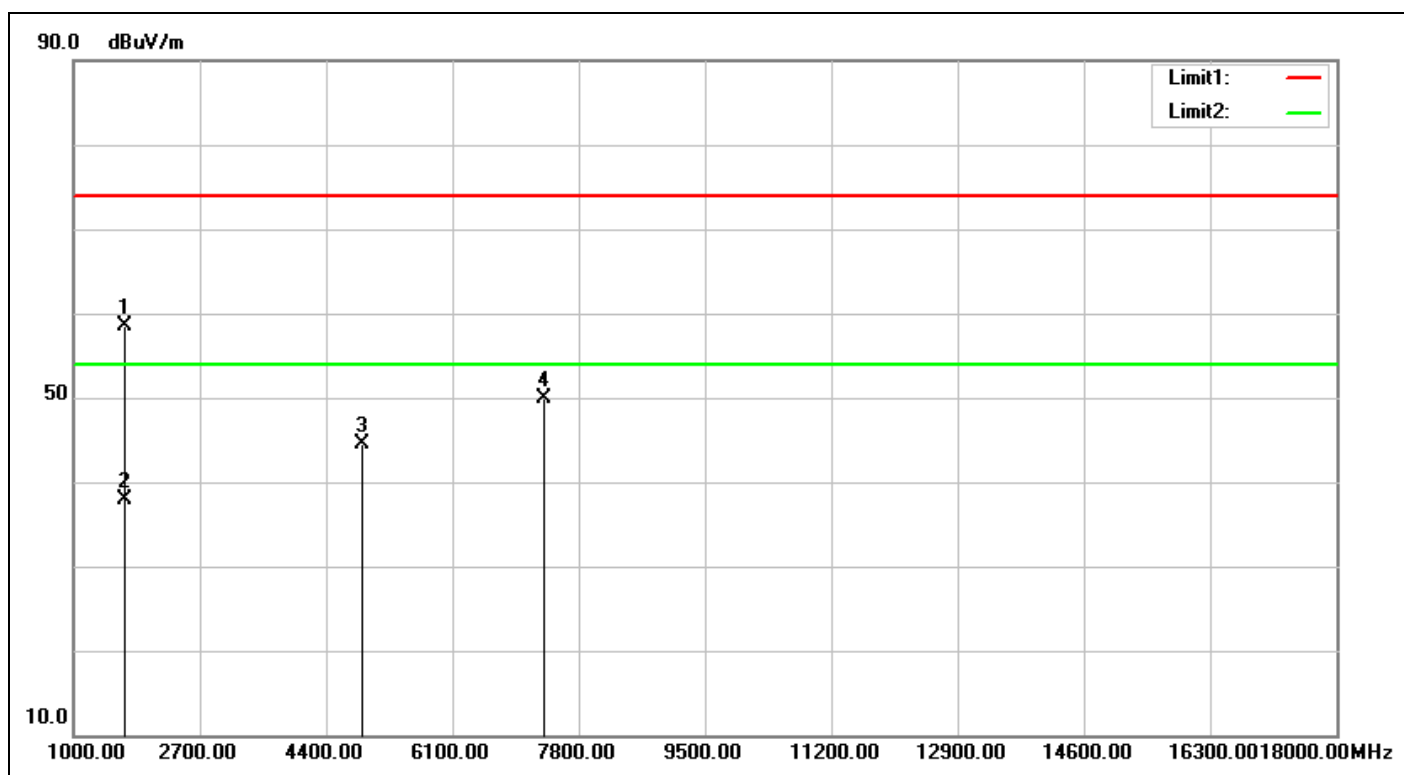
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/2/27 21:25:59
Applicant:	Delphi Deutschland GmbH	Test Rating:	DC 12V
Product:	Head Unit	Temp.(°C)/Hum.(%)	20.1(°C)/61%
Model No.:	FERRARI NIT	Test Engineer:	Amy Hsu
Test Mode:	3DH5-2402		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4804.000	-2.72	46.52	43.80	74.00	-30.20	peak	100	221	
2	7206.000	5.25	45.60	50.85	74.00	-23.15	peak	100	187	
3	8021.000	5.85	45.23	51.08	74.00	-22.92	peak	100	165	



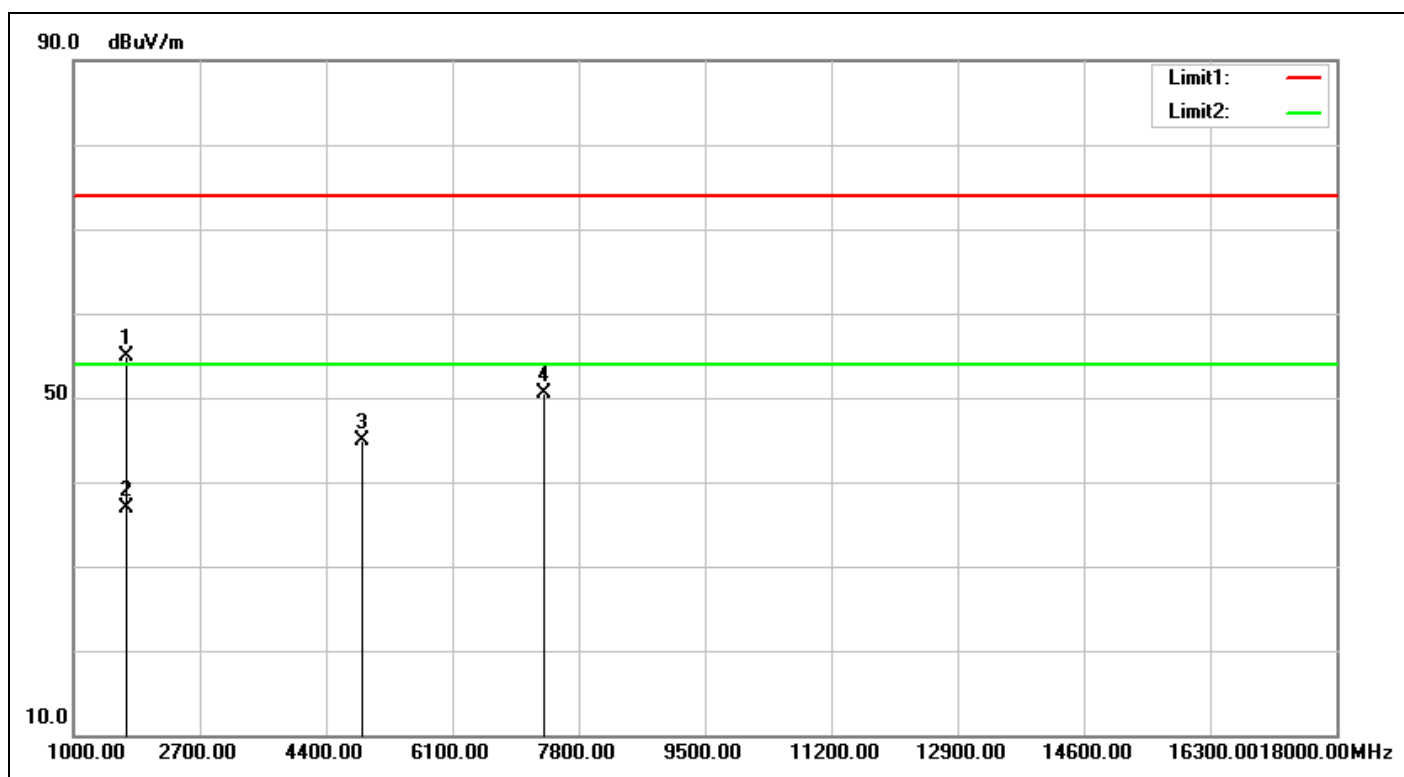
Service No.:	114056074(FERRARI NIT)-NCC-BT	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/2/27 21:27:02
Applicant:	Delphi Deutschland GmbH	Test Rating:	DC 12V
Product:	Head Unit	Temp.(°C)/Hum.(%):	20.1(°C)/61%
Model No.:	FERRARI NIT	Test Engineer:	Amy Hsu
Test Mode:	3DH5-2402		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4804.000	-2.72	46.53	43.81	74.00	-30.19	peak	100	135	
2	7206.000	5.25	43.96	49.21	74.00	-24.79	peak	100	120	
3	7919.000	5.84	45.62	51.46	74.00	-22.54	peak	100	244	



Service No.:	114056074(FERRARI NIT)-NCC-BT	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/2/27 21:29:05
Applicant:	Delphi Deutschland GmbH	Test Rating:	DC 12V
Product:	Head Unit	Temp.(°C)/Hum.(%)	20.1(°C)/61%
Model No.:	FERRARI NIT	Test Engineer:	Amy Hsu
Test Mode:	3DH5-2441		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1697.000	-9.18	67.67	58.49	74.00	-15.51	peak	100	163	
2	1697.000	-9.18	47.13	37.95	54.00	-16.05	AVG	100	163	
3	4882.000	-2.50	47.05	44.55	74.00	-29.45	peak	100	257	
4	7323.000	5.54	44.37	49.91	74.00	-24.09	peak	100	215	



Service No.: 114056074(FERRARI NIT)-NCC-BT

Test Distance: 3m

Test Standard: NCC Above 1G PEAK

Ant. Polarization: Vertical

Test item: Radiation Emission

Test Time: 2018/2/27 21:30:08

Applicant: Delphi Deutschland GmbH

Test Rating: DC 12V

Product: Head Unit

Temp.(°C)/Hum.(%): 20.1(°C)/61%

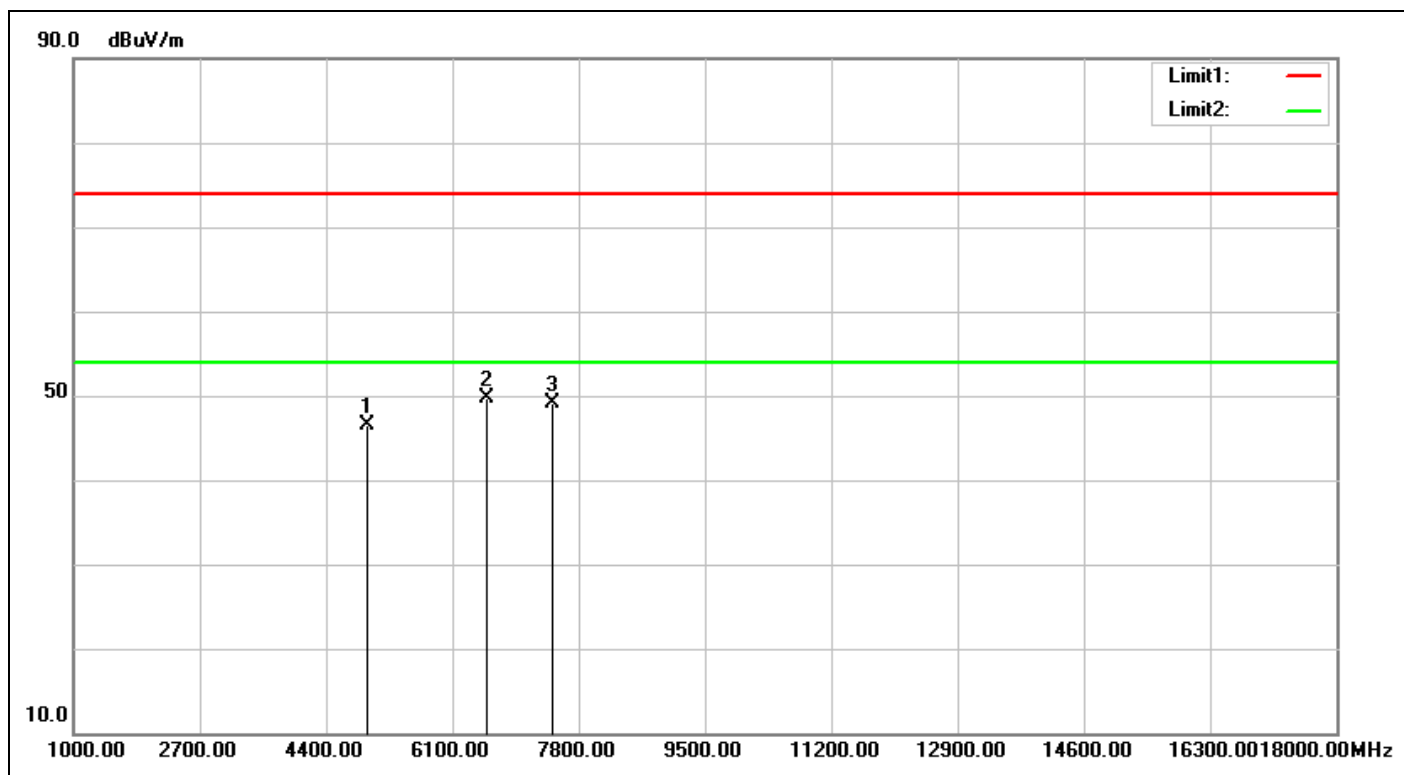
Model No.: FERRARI NIT

Test Engineer: Amy Hsu

Test Mode: 3DH5-2441

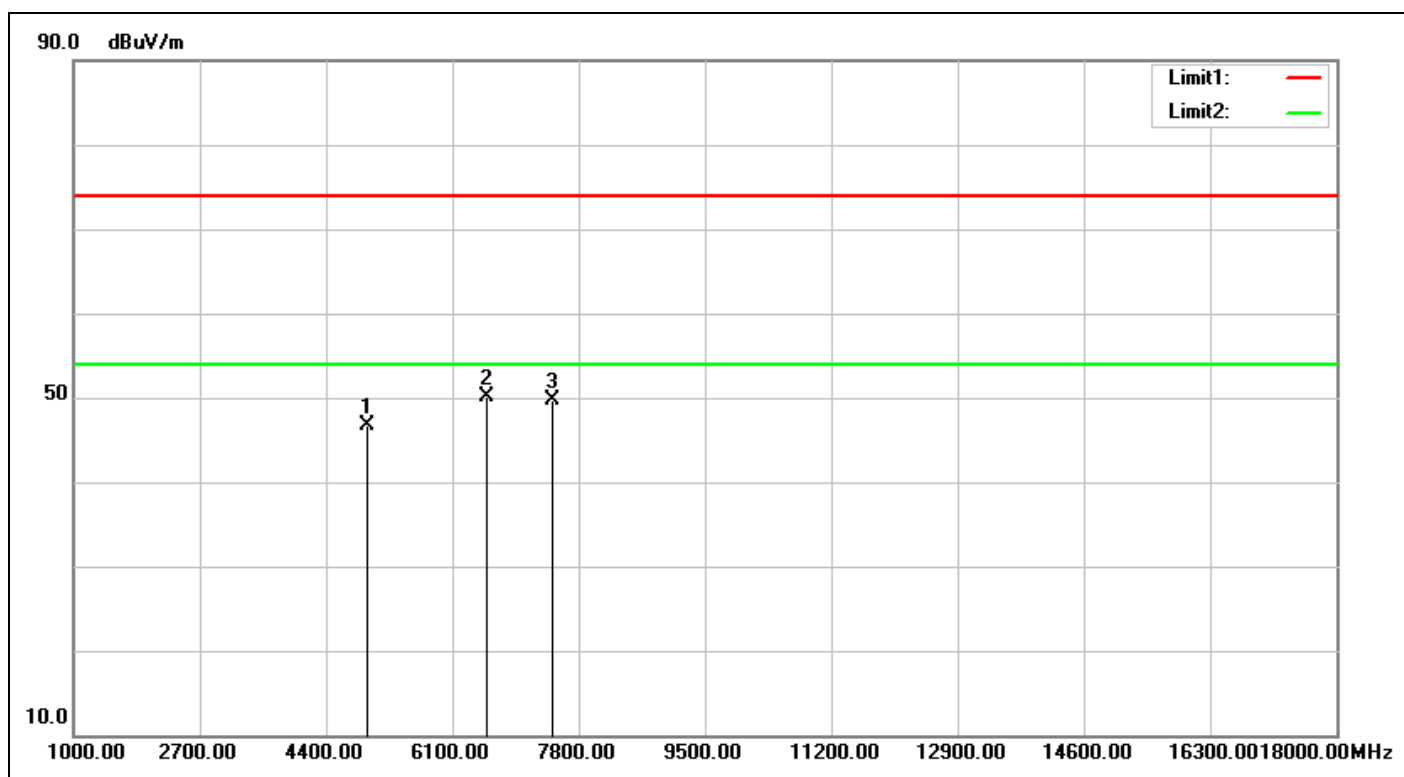
Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1714.000	-9.06	63.93	54.87	74.00	-19.13	peak	100	288	
2	1714.000	-9.06	46.04	36.98	54.00	-17.02	AVG	100	288	
3	4882.000	-2.50	47.49	44.99	74.00	-29.01	peak	100	129	
4	7323.000	5.54	44.89	50.43	74.00	-23.57	peak	100	163	



Service No.:	114056074(FERRARI NIT)-NCC-BT	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/2/27 21:34:52
Applicant:	Delphi Deutschland GmbH	Test Rating:	DC 12V
Product:	Head Unit	Temp.(°C)/Hum.(%)	20.1(°C)/61%
Model No.:	FERRARI NIT	Test Engineer:	Amy Hsu
Test Mode:	3DH5-2480		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4960.000	-2.28	48.81	46.53	74.00	-27.47	peak	100	128	
2	6559.000	5.29	44.38	49.67	74.00	-24.33	peak	100	236	
3	7440.000	5.84	43.20	49.04	74.00	-24.96	peak	100	105	



Service No.:	114056074(FERRARI NIT)-NCC-BT	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/2/27 21:35:55
Applicant:	Delphi Deutschland GmbH	Test Rating:	DC 12V
Product:	Head Unit	Temp.(°C)/Hum.(%)	20.1(°C)/61%
Model No.:	FERRARI NIT	Test Engineer:	Amy Hsu
Test Mode:	3DH5-2480		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4960.000	-2.28	49.04	46.76	74.00	-27.24	peak	100	142	
2	6559.000	5.29	44.77	50.06	74.00	-23.94	peak	100	347	
3	7440.000	5.84	43.95	49.79	74.00	-24.21	peak	100	224	

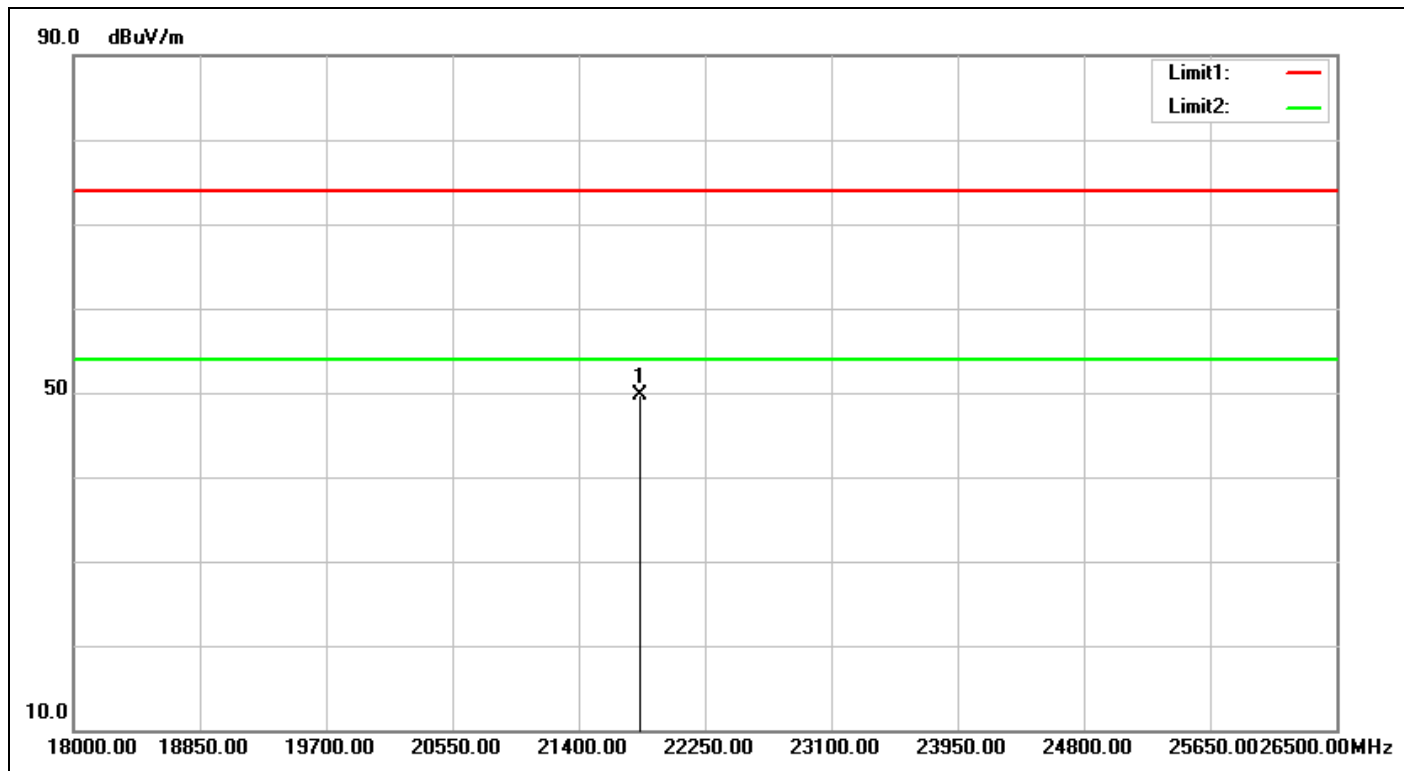
Spurious Emissions, TX Mode, 18-26G



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Service No.: 114056074(FERRARI NIT)-NCC-BT

Test Distance: 3m

Test Standard: NCC Above 1G PEAK

Ant. Polarization: Horizontal

Test item: Radiation Emission

Test Time: 2018/3/1 20:40:37

Applicant: Delphi Deutschland GmbH

Test Rating: DC 12V

Product: Head Unit

Temp.(°C)/Hum.(%): 20.2(°C)/56%

Model No.: FERRARI NIT

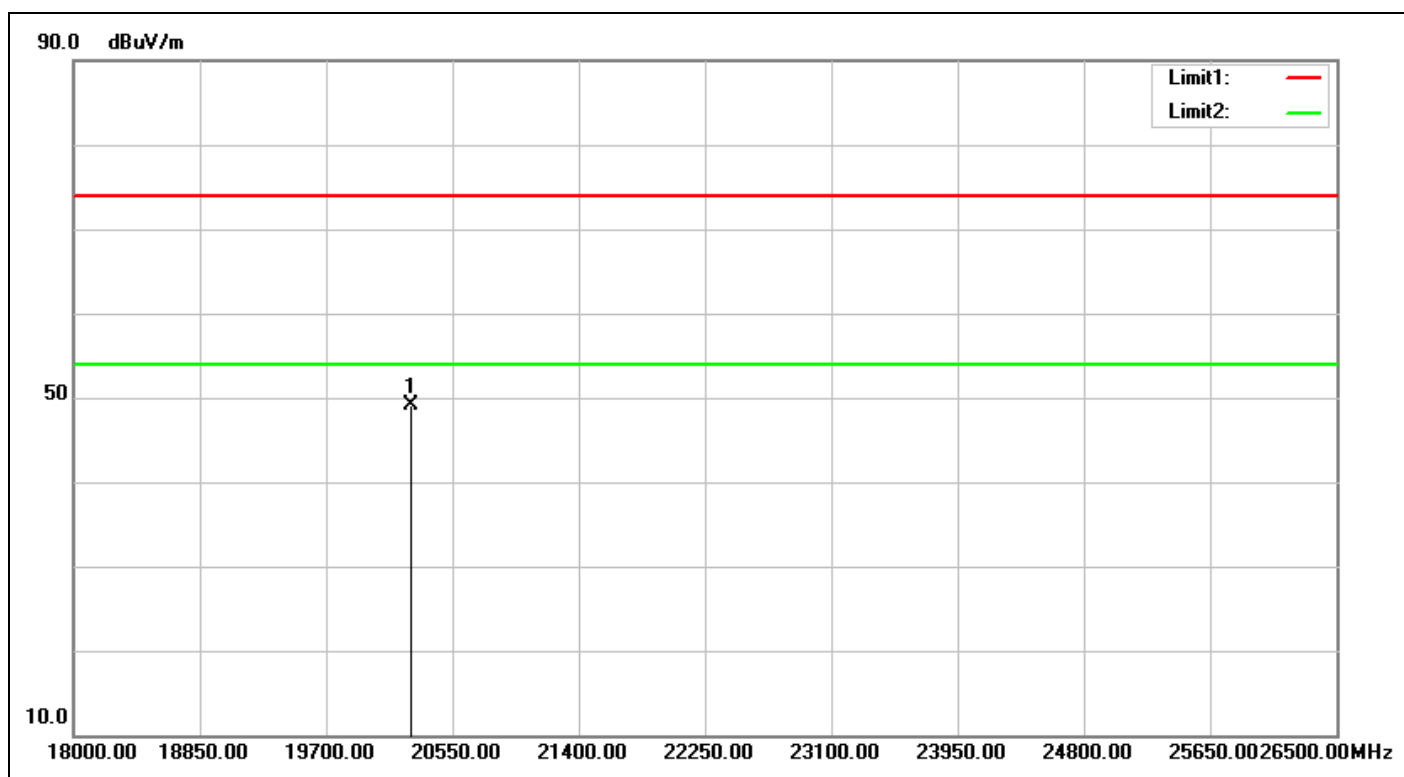
Test Engineer: Amy Hsu

Test Mode: 1DH5-2402-TX

Remark:

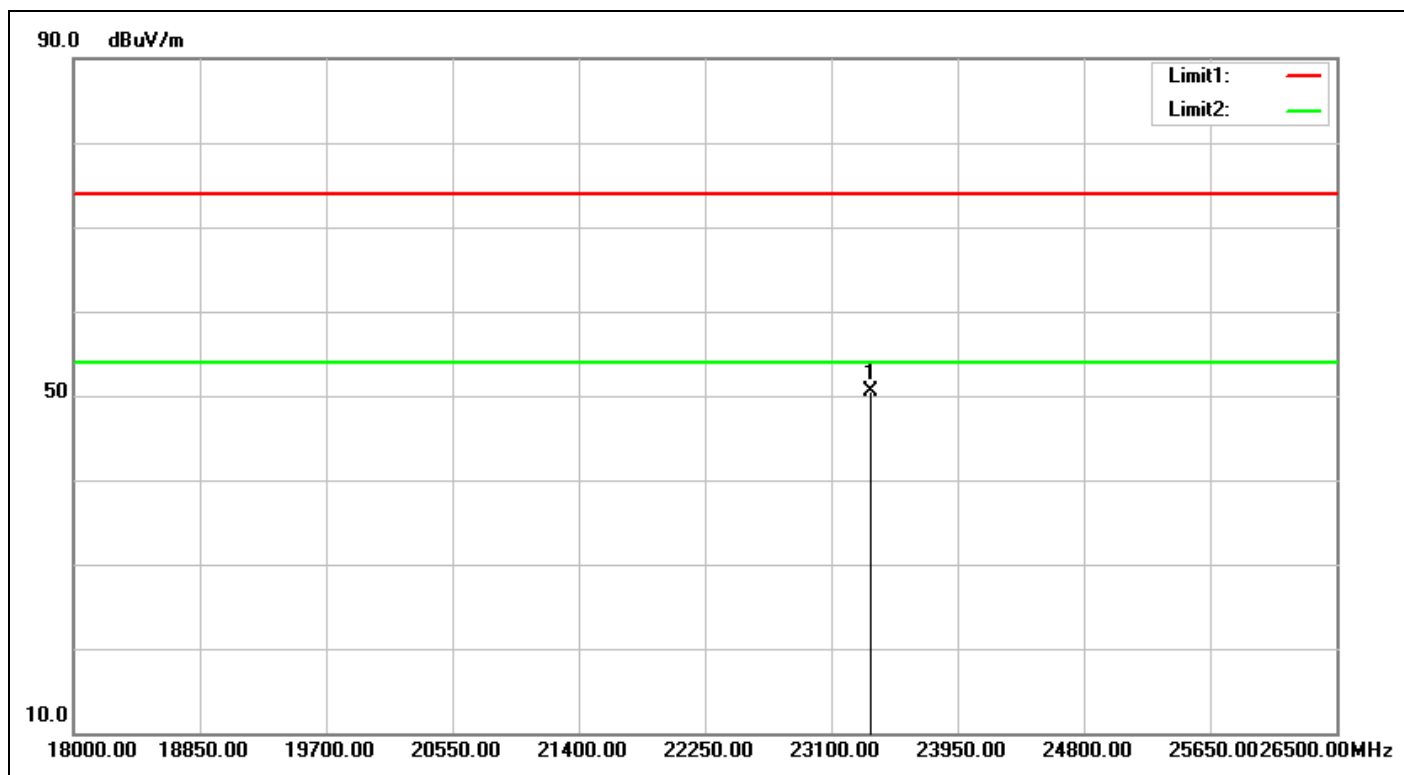
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21816.500	32.70	17.05	49.75	74.00	-24.25	peak	100	103	

Spurious Emissions, TX Mode, 9k-30M



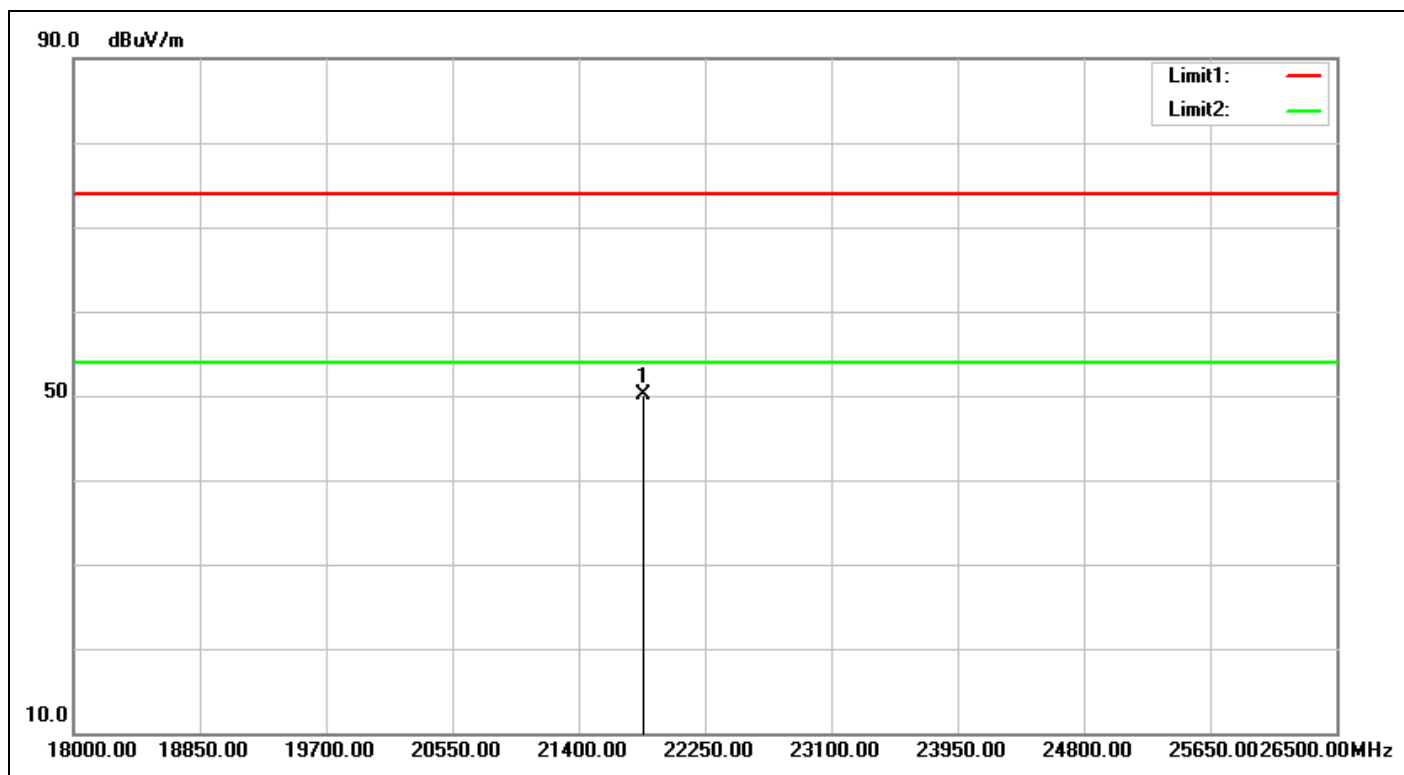
Service No.:	114056074(FERRARI NIT)-NCC-BT	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/3/1 20:40:53
Applicant:	Delphi Deutschland GmbH	Test Rating:	DC 12V
Product:	Head Unit	Temp.(°C)/Hum.(%)	20.2(°C)/56%
Model No.:	FERRARI NIT	Test Engineer:	Amy Hsu
Test Mode:	1DH5-2402-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20269.500	31.31	17.76	49.07	74.00	-24.93	peak	100	183	



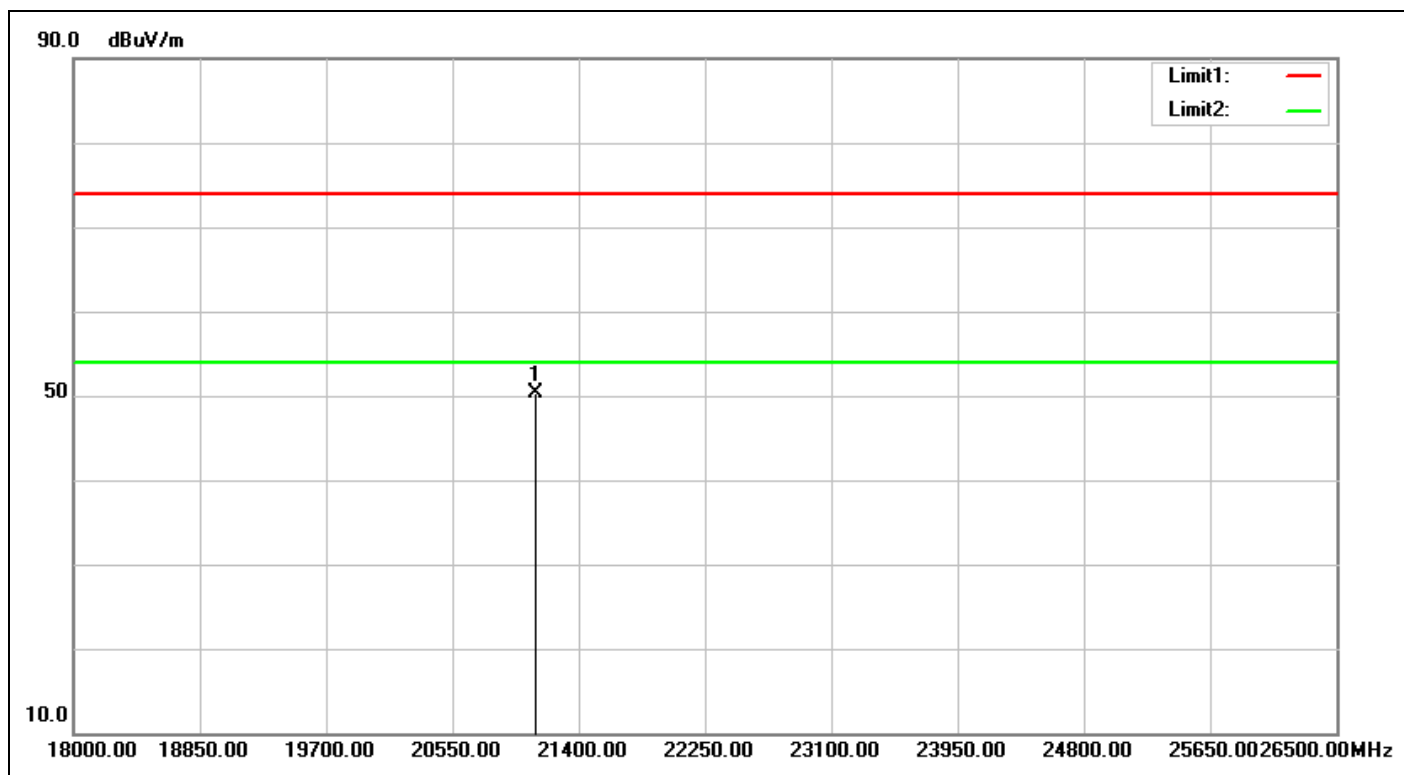
Service No.:	114056074(FERRARI NIT)-NCC-BT	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/3/1 20:41:13
Applicant:	Delphi Deutschland GmbH	Test Rating:	DC 12V
Product:	Head Unit	Temp.(°C)/Hum.(%):	20.2(°C)/56%
Model No.:	FERRARI NIT	Test Engineer:	Amy Hsu
Test Mode:	1DH5-2441-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23363.500	33.14	17.39	50.53	74.00	-23.47	peak	100	163	



Service No.:	114056074(FERRARI NIT)-NCC-BT	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/3/1 20:41:25
Applicant:	Delphi Deutschland GmbH	Test Rating:	DC 12V
Product:	Head Unit	Temp.(°C)/Hum.(%):	20.2(°C)/56%
Model No.:	FERRARI NIT	Test Engineer:	Amy Hsu
Test Mode:	1DH5-2441-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21833.500	32.69	17.44	50.13	74.00	-23.87	peak	100	268	



Service No.: 114056074(FERRARI NIT)-NCC-BT

Test Distance: 3m

Test Standard: NCC Above 1G PEAK

Ant. Polarization: Horizontal

Test item: Radiation Emission

Test Time: 2018/3/1 20:41:43

Applicant: Delphi Deutschland GmbH

Test Rating: DC 12V

Product: Head Unit

Temp.(°C)/Hum.(%): 20.2(°C)/56%

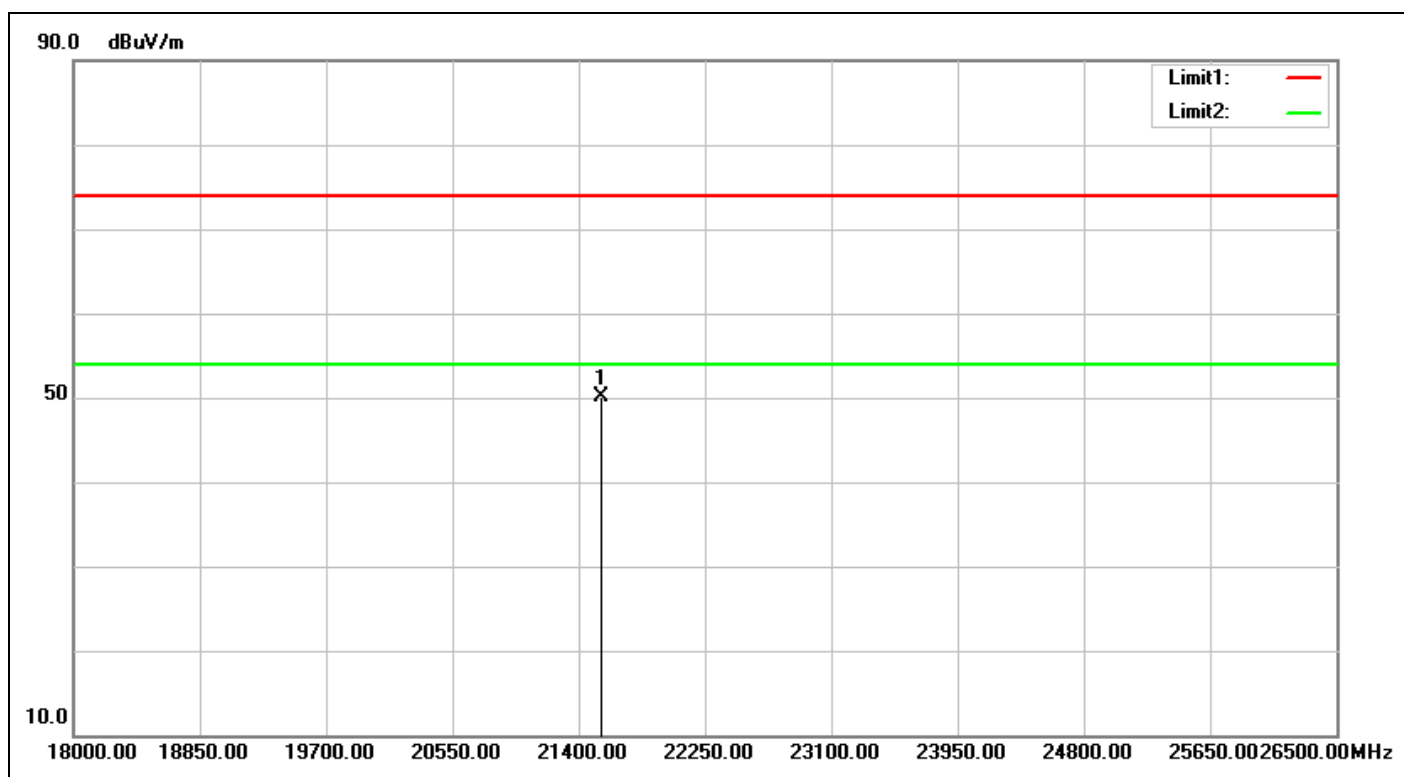
Model No.: FERRARI NIT

Test Engineer: Amy Hsu

Test Mode: 1DH5-2480-TX

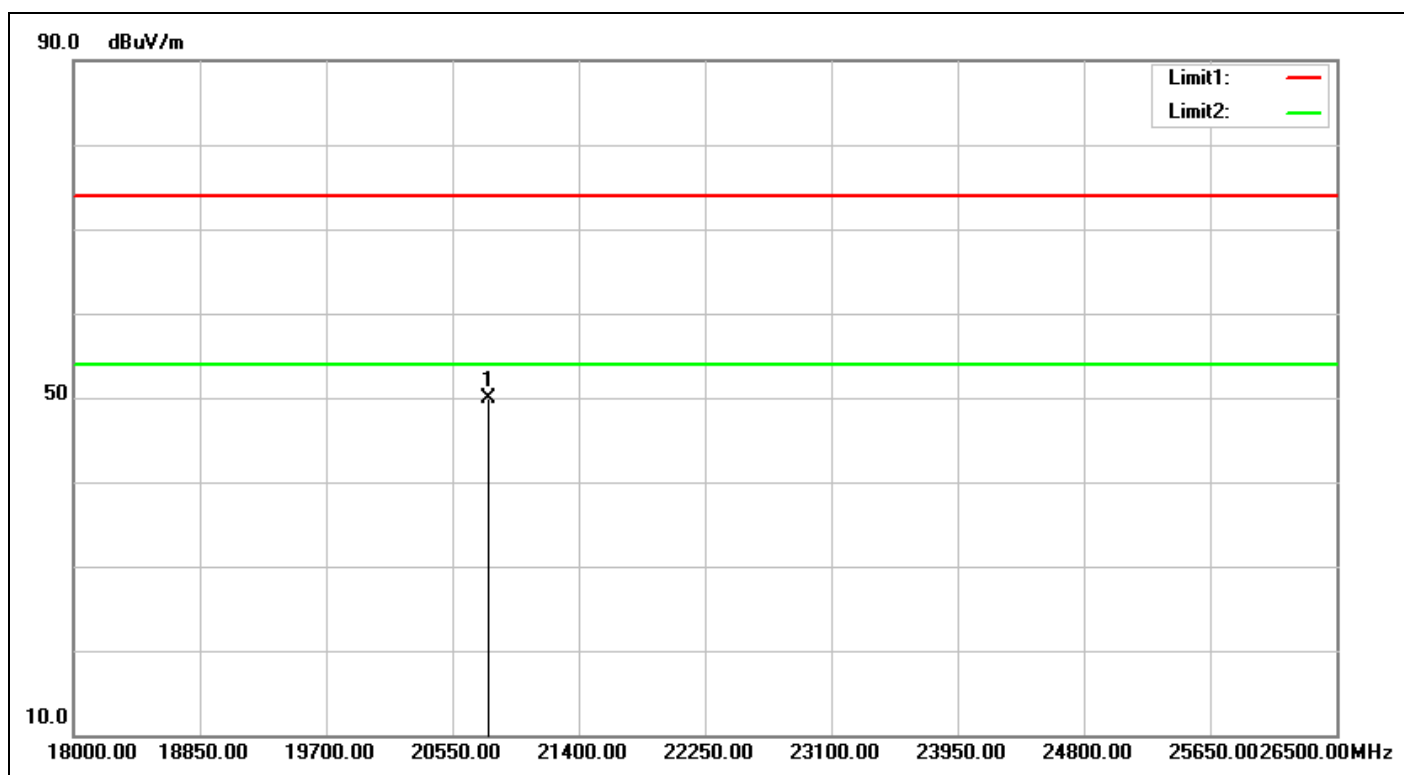
Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21111.000	32.55	17.71	50.26	74.00	-23.74	peak	100	249	



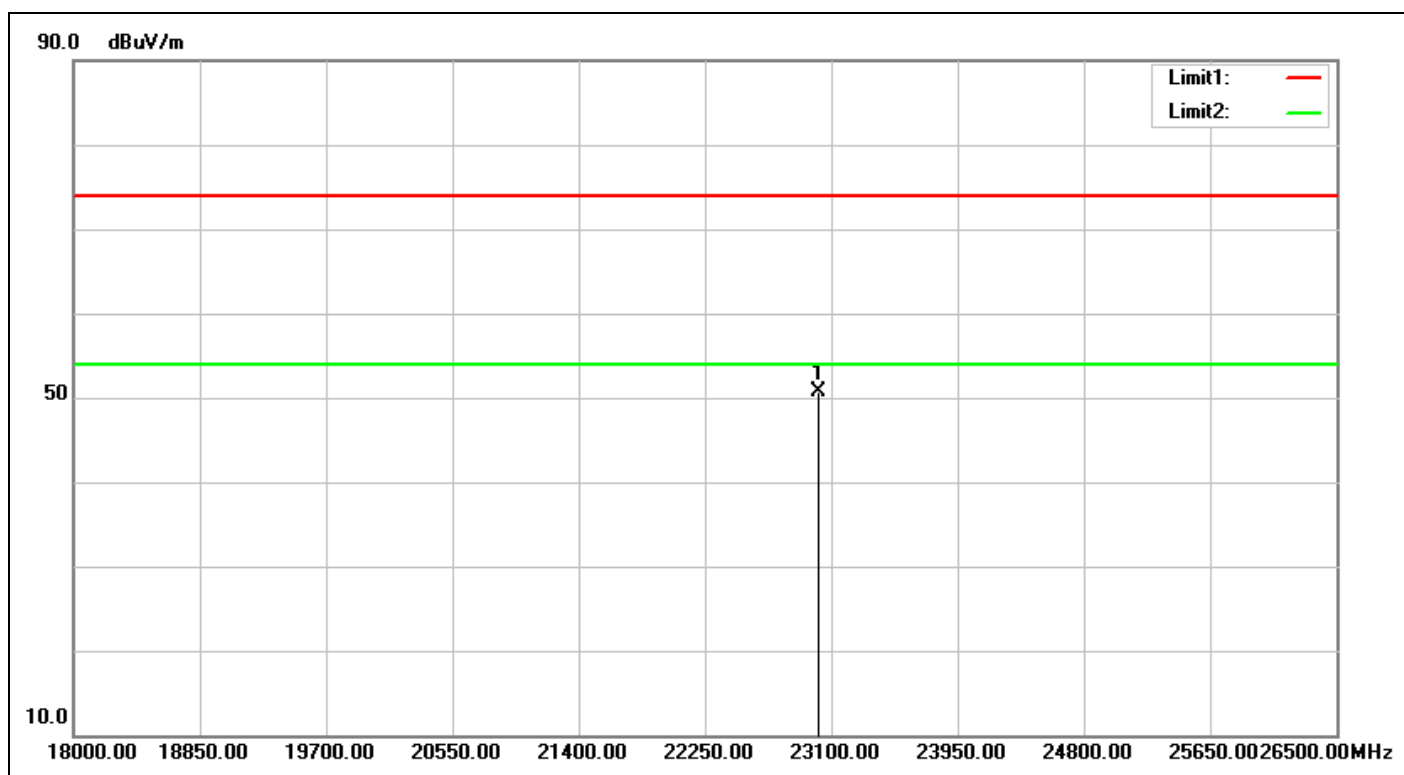
Service No.:	114056074(FERRARI NIT)-NCC-BT	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/3/1 20:41:54
Applicant:	Delphi Deutschland GmbH	Test Rating:	DC 12V
Product:	Head Unit	Temp.(°C)/Hum.(%)	20.2(°C)/56%
Model No.:	FERRARI NIT	Test Engineer:	Amy Hsu
Test Mode:	1DH5-2480-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21553.000	32.86	17.26	50.12	74.00	-23.88	peak	100	227	



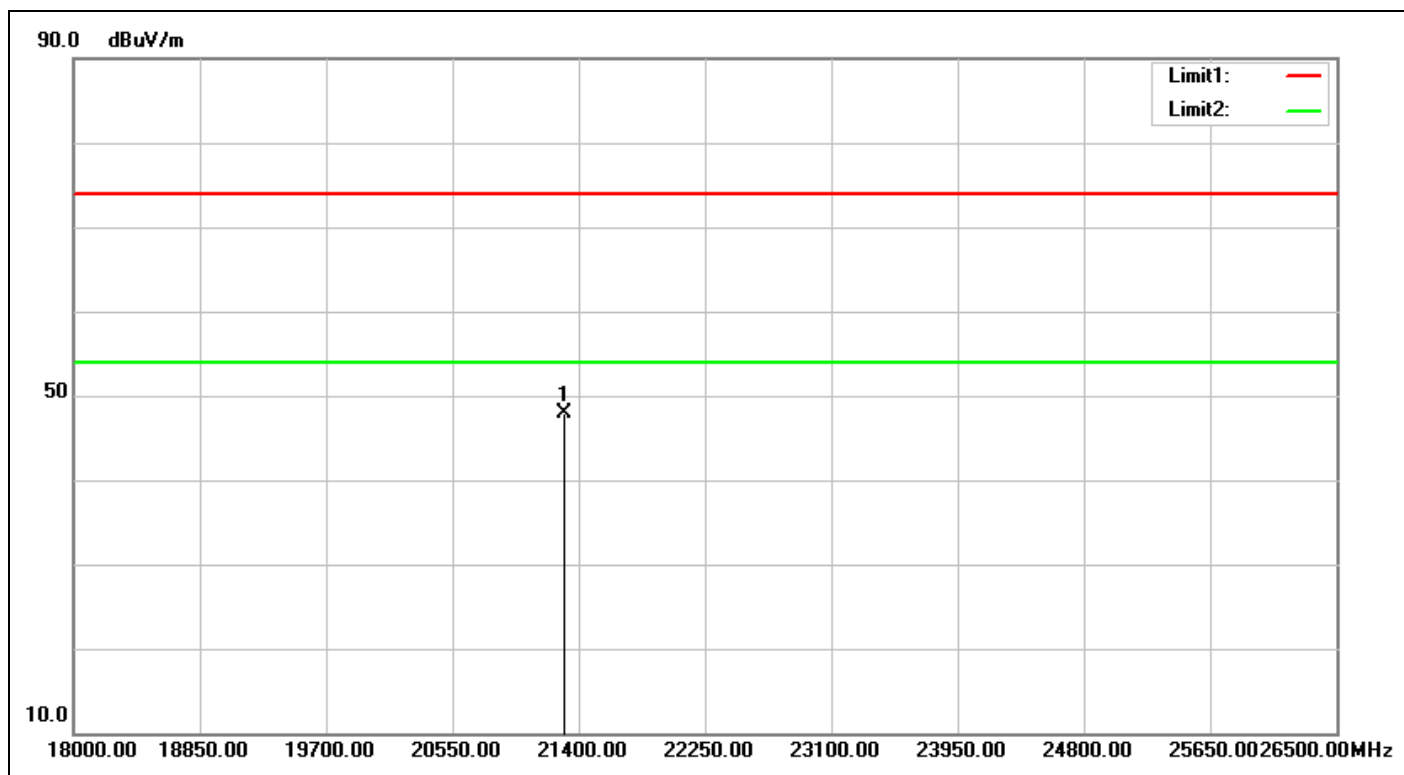
Service No.:	114056074(FERRARI NIT)-NCC-BT	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/3/1 20:42:18
Applicant:	Delphi Deutschland GmbH	Test Rating:	DC 12V
Product:	Head Unit	Temp.(°C)/Hum.(%):	20.2(°C)/56%
Model No.:	FERRARI NIT	Test Engineer:	Amy Hsu
Test Mode:	3DH5-2402-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20788.000	32.00	17.91	49.91	74.00	-24.09	peak	100	163	



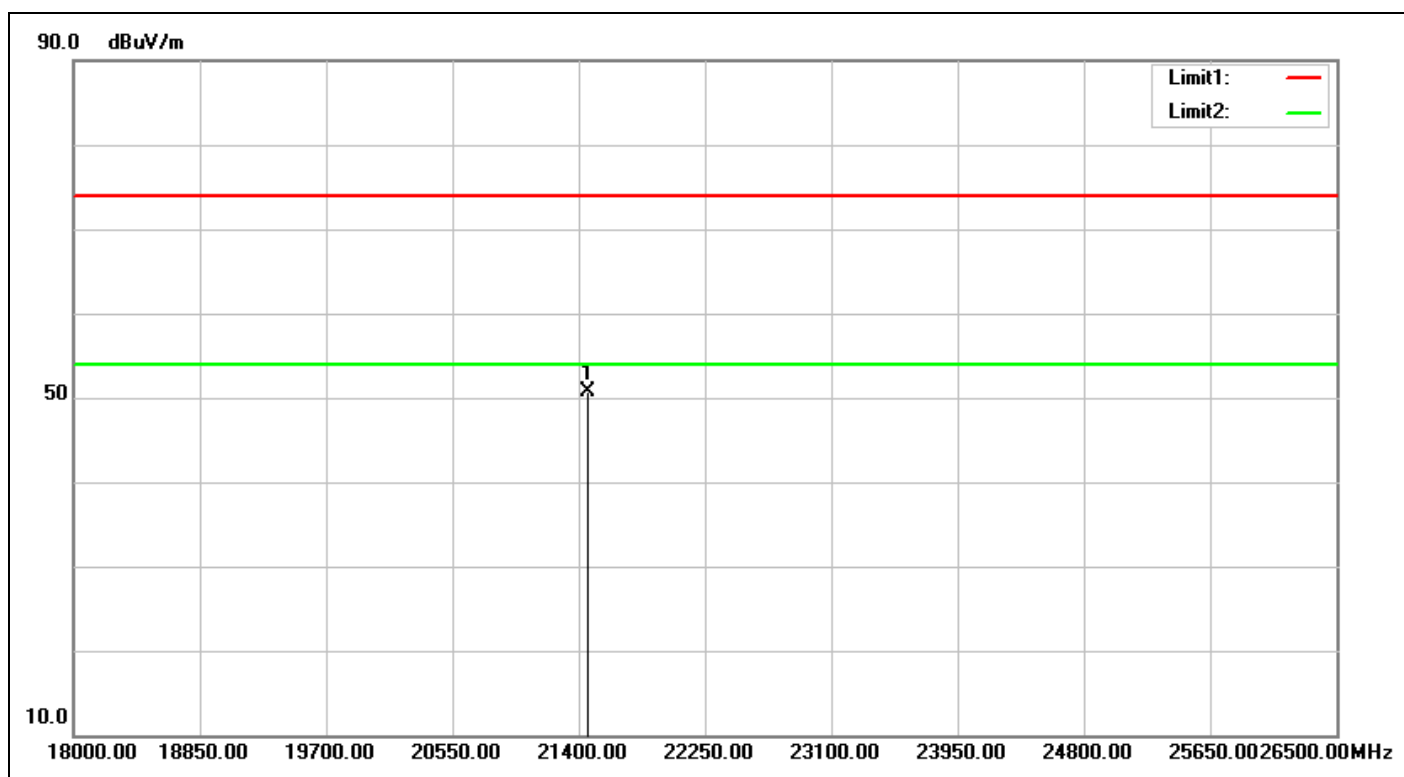
Service No.:	114056074(FERRARI NIT)-NCC-BT	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/3/1 20:42:31
Applicant:	Delphi Deutschland GmbH	Test Rating:	DC 12V
Product:	Head Unit	Temp.(°C)/Hum.(%):	20.2(°C)/56%
Model No.:	FERRARI NIT	Test Engineer:	Amy Hsu
Test Mode:	3DH5-2402-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23015.000	32.82	17.89	50.71	74.00	-23.29	peak	100	162	



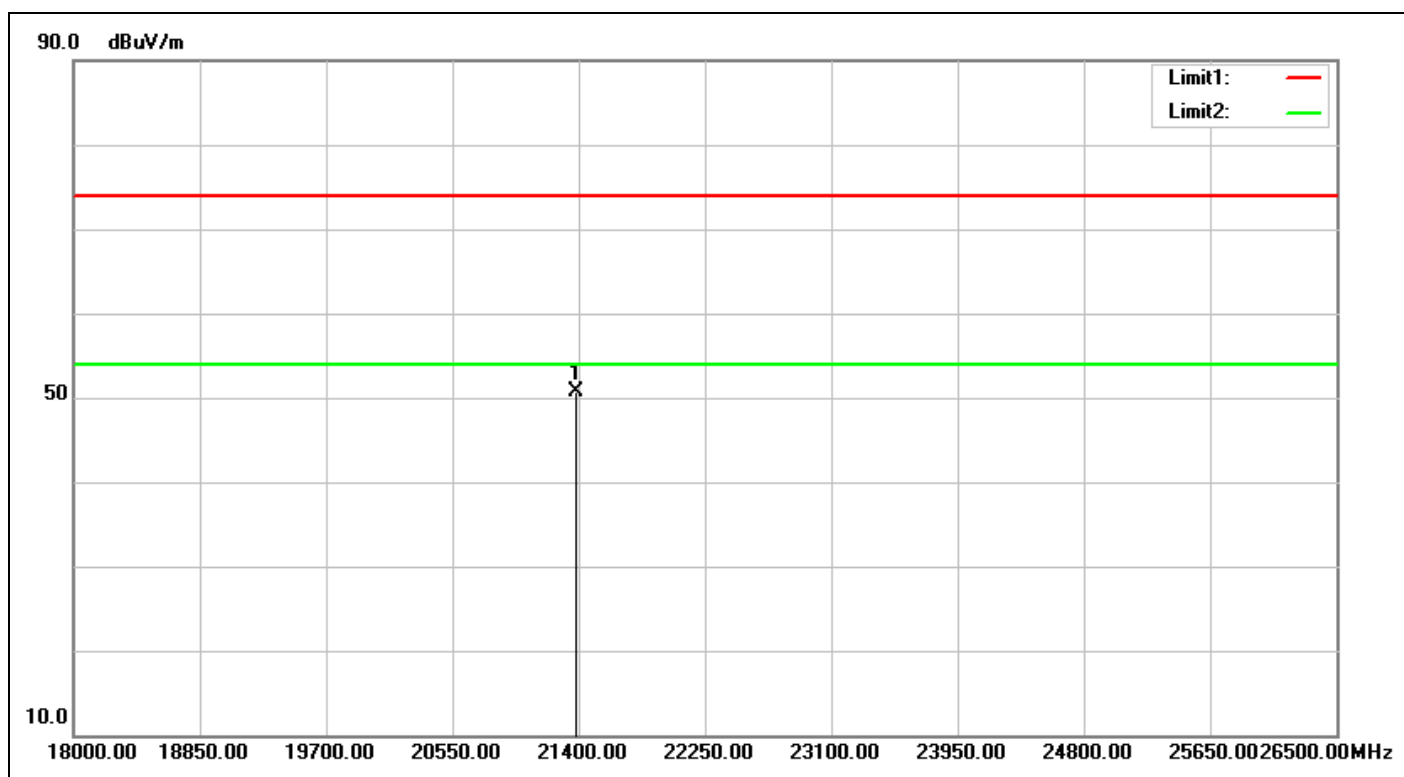
Service No.:	114056074(FERRARI NIT)-NCC-BT	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/3/1 20:42:48
Applicant:	Delphi Deutschland GmbH	Test Rating:	DC 12V
Product:	Head Unit	Temp.(°C)/Hum.(%)	20.2(°C)/56%
Model No.:	FERRARI NIT	Test Engineer:	Amy Hsu
Test Mode:	3DH5-2441-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21298.000	32.71	15.14	47.85	74.00	-26.15	peak	100	155	



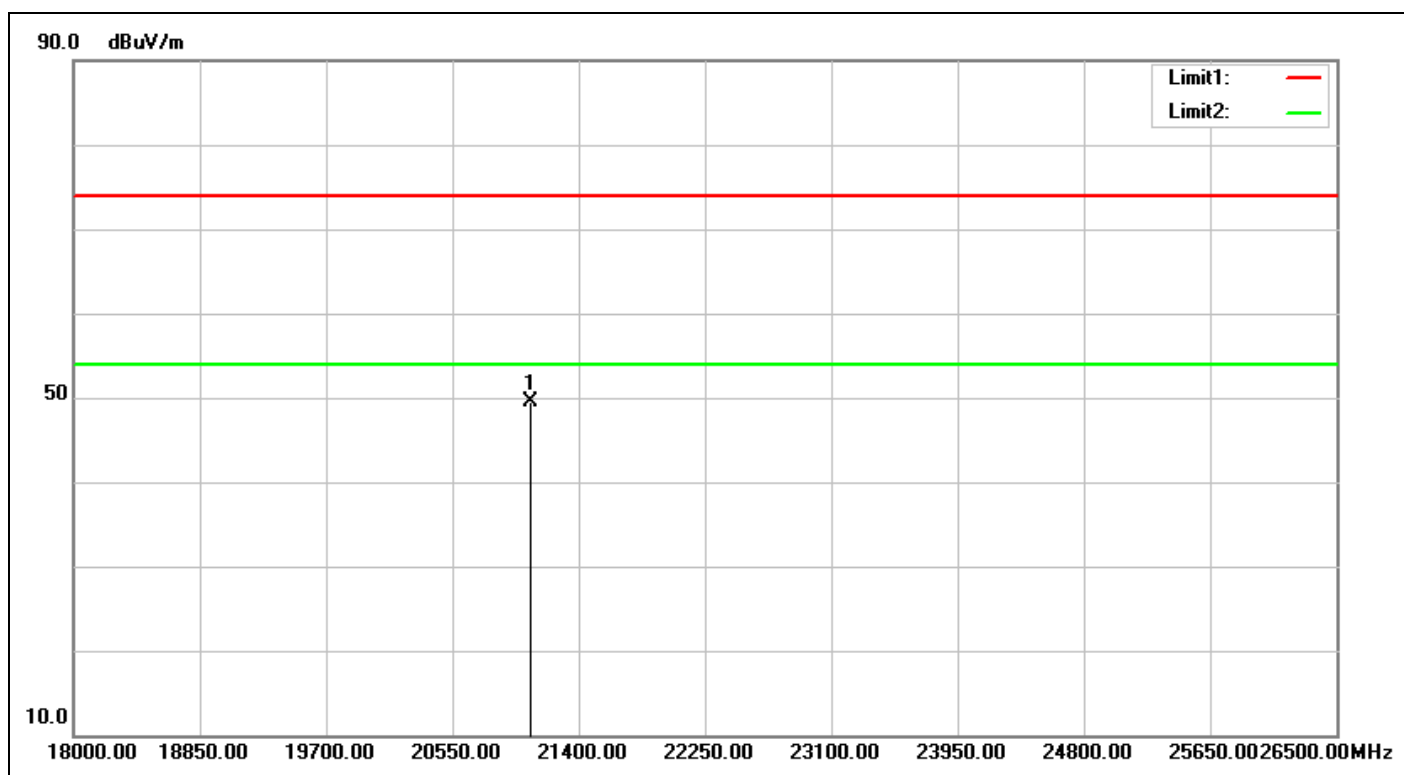
Service No.:	114056074(FERRARI NIT)-NCC-BT	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/3/1 20:43:03
Applicant:	Delphi Deutschland GmbH	Test Rating:	DC 12V
Product:	Head Unit	Temp.(°C)/Hum.(%)	20.2(°C)/56%
Model No.:	FERRARI NIT	Test Engineer:	Amy Hsu
Test Mode:	3DH5-2441-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21459.500	32.86	17.79	50.65	74.00	-23.35	peak	100	238	



Service No.:	114056074(FERRARI NIT)-NCC-BT	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/3/1 20:43:55
Applicant:	Delphi Deutschland GmbH	Test Rating:	DC 12V
Product:	Head Unit	Temp.(°C)/Hum.(%):	20.2(°C)/56%
Model No.:	FERRARI NIT	Test Engineer:	Amy Hsu
Test Mode:	3DH5-2480-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21383.000	32.78	17.84	50.62	74.00	-23.38	peak	100	243	



Service No.:	114056074(FERRARI NIT)-NCC-BT	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/3/1 20:44:06
Applicant:	Delphi Deutschland GmbH	Test Rating:	DC 12V
Product:	Head Unit	Temp.(°C)/Hum.(%):	20.2(°C)/56%
Model No.:	FERRARI NIT	Test Engineer:	Amy Hsu
Test Mode:	3DH5-2480-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21077.000	32.51	17.03	49.54	74.00	-24.46	peak	100	163	

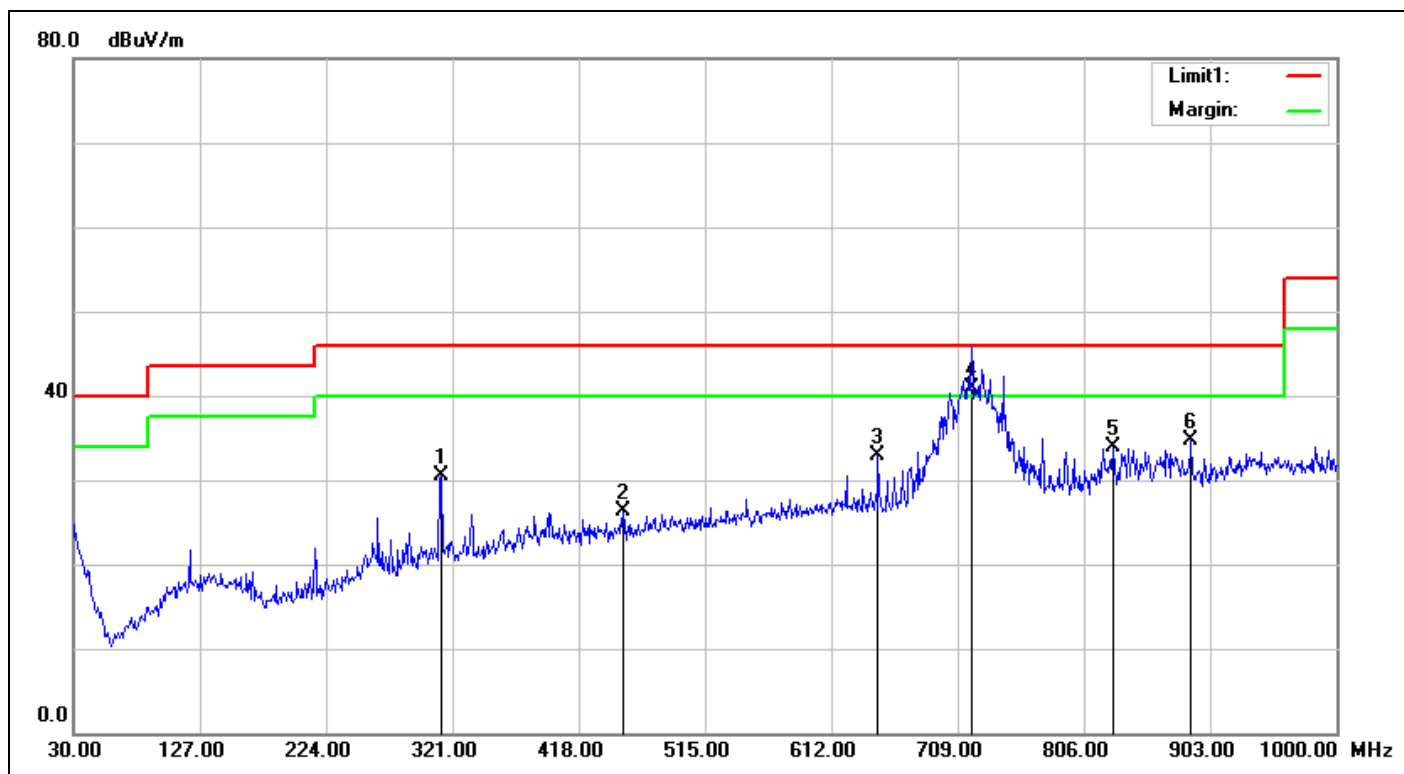
Spurious Emissions, TX Mode, 30M-1G



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Service No.: 114056074(FERRARI NIT)-NCC-BT

Test Distance: 3m

Test Standard: NCC Class B 3M Radiation

Ant. Polarization: Horizontal

Test item: Radiation Emission

Test Time: 2018/3/1 21:15:27

Applicant: Delphi Deutschland GmbH

Test Rating: DC 12V

Product: Head Unit

Temp.(°C)/Hum.(%): 20(°C)/50%

Model No.: FERRARI NIT

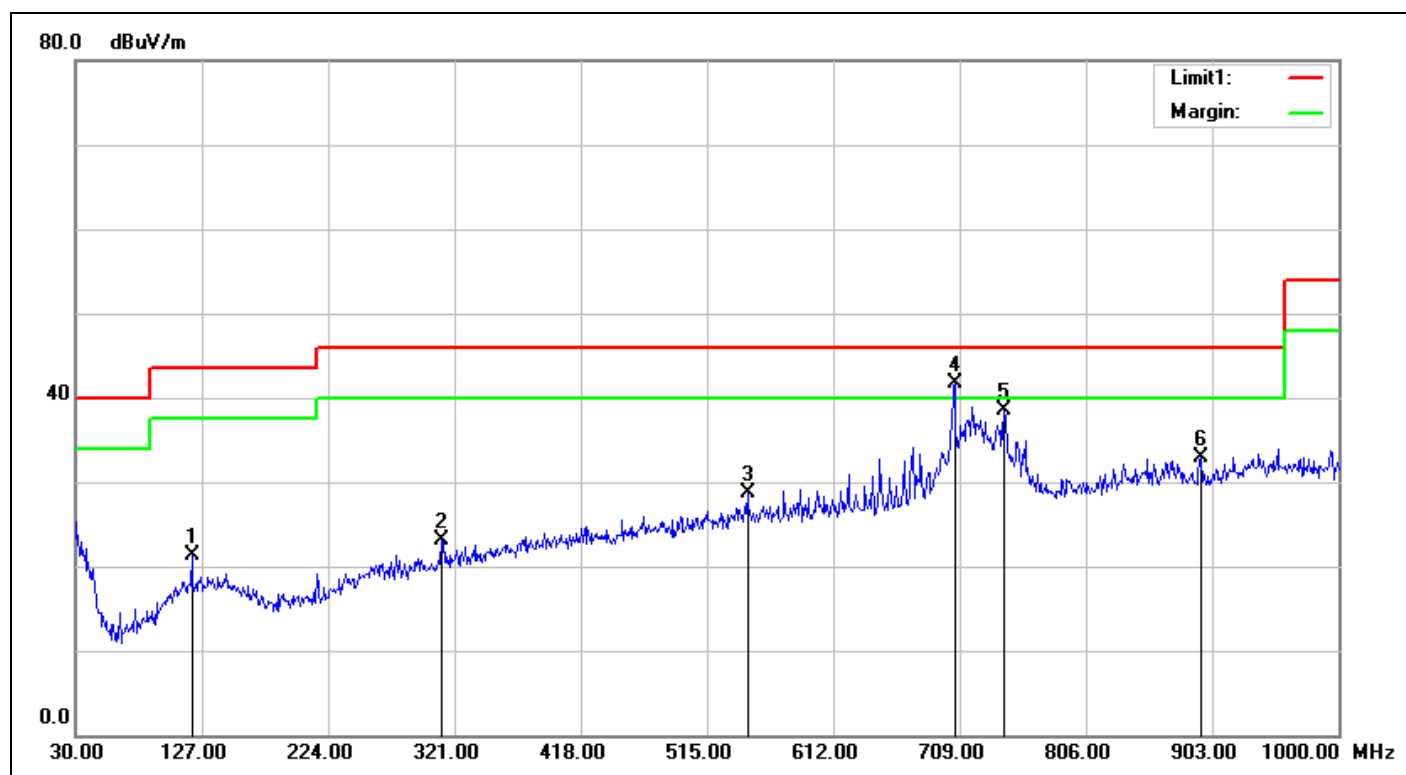
Test Engineer: Amy Hsu

Test Mode: 1DH5-2441-TX

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	312.2700	-4.26	34.79	30.53	46.00	-15.47	QP	100	128	
2	451.9500	-1.88	28.13	26.25	46.00	-19.75	QP	100	254	
3	647.8900	0.50	32.31	32.81	46.00	-13.19	QP	100	270	
4	719.6700	1.70	39.20	40.90	46.00	-5.10	QP	100	223	
5	828.3099	3.31	30.50	33.81	46.00	-12.19	QP	100	149	
6	888.4500	3.98	30.69	34.67	46.00	-11.33	QP	100	208	

Spurious Emissions, TX Mode, 9k-30M



Service No.: 114056074(FERRARI NIT)-NCC-BT

Test Distance: 3m

Test Standard: NCC Class B 3M Radiation

Ant. Polarization: Vertical

Test item: Radiation Emission

Test Time: 2018/3/1 21:16:31

Applicant: Delphi Deutschland GmbH

Test Rating: DC 12V

Product: Head Unit

Temp.(°C)/Hum.(%): 20(°C)/50%

Model No.: FERRARI NIT

Test Engineer: Amy Hsu

Test Mode: 1DH5-2441-TX

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	119.2400	-7.50	28.85	21.35	43.50	-22.15	QP	100	275	
2	311.3000	-4.29	27.32	23.03	46.00	-22.97	QP	100	253	
3	546.0400	-0.51	29.19	28.68	46.00	-17.32	QP	100	269	
4	705.1200	1.38	40.33	41.71	46.00	-4.29	QP	100	360	
5	742.9500	2.22	36.35	38.57	46.00	-7.43	QP	100	69	
6	894.2700	4.02	28.97	32.99	46.00	-13.01	QP	100	141	

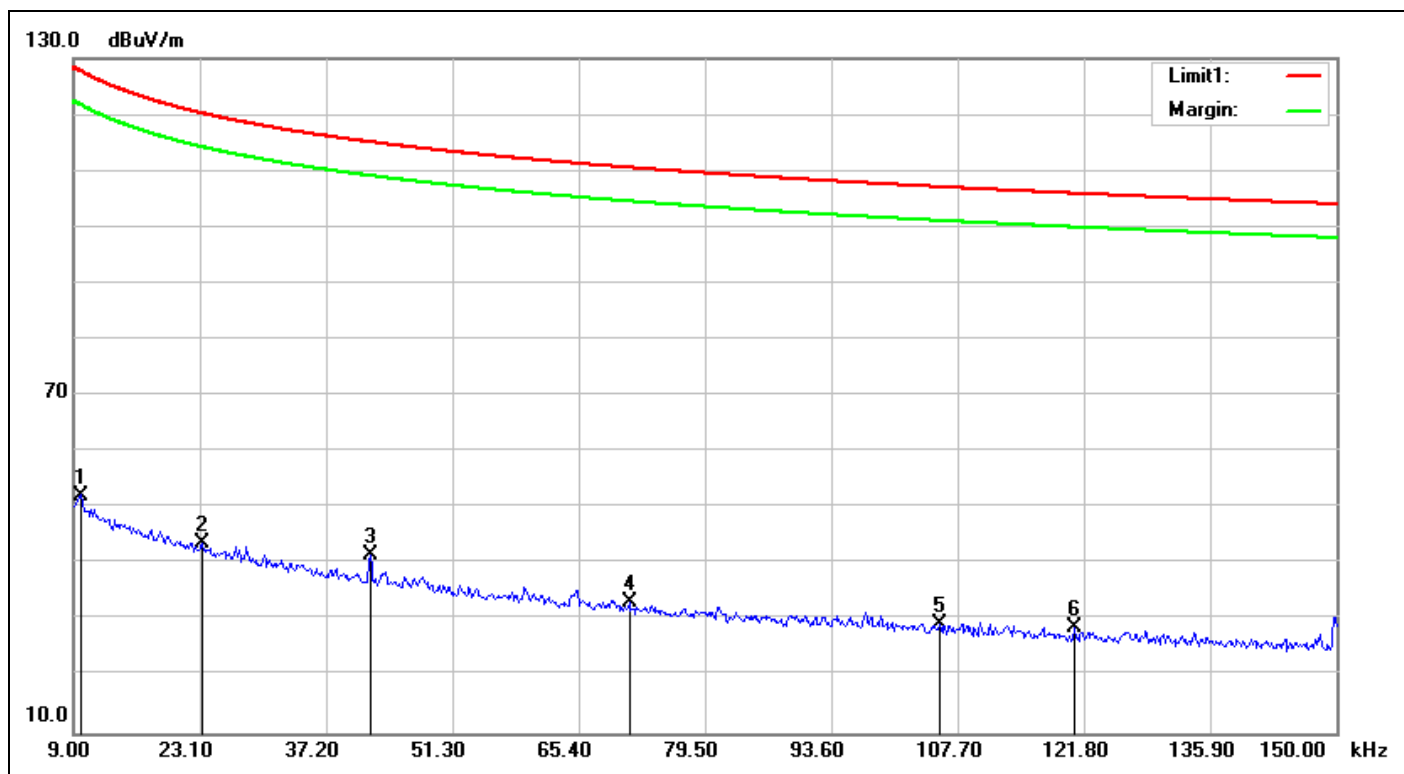
Spurious Emissions, TX Mode, 9k-30M



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Service No.: 114056074(FERRARI NIT)-NCC-BT

Test Distance: 3m

Test Standard: NCC2.8_9k-1G_3m

Ant. Polarization:

Test item: Radiation Emission

Test Time: 2018/3/2 08:17:20

Applicant: Delphi Deutschland GmbH

Test Rating: DC 12V

Product: Head Unit

Temp.(°C)/Hum.(%): 24(°C)/52%

Model No.: FERRARI NIT

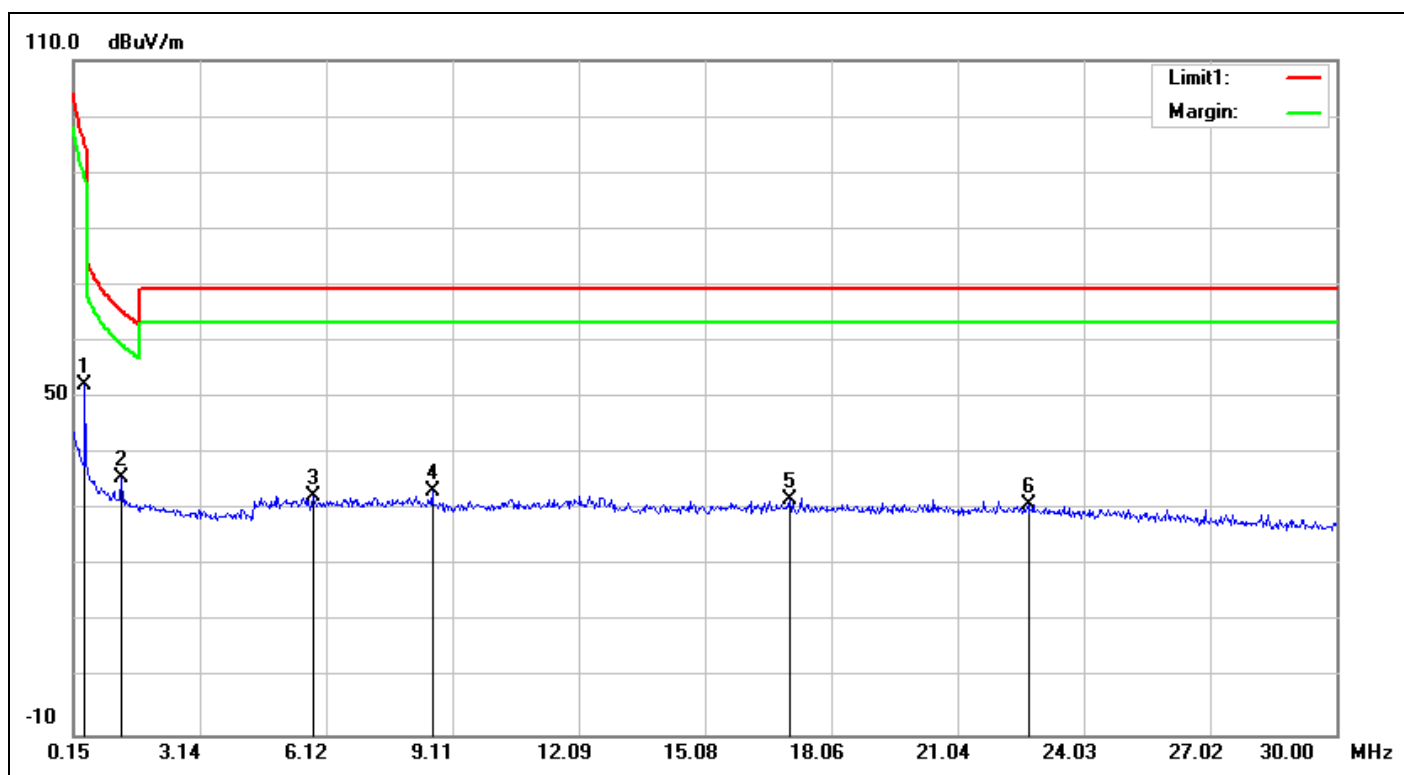
Test Engineer: Amy Hsu

Test Mode: 1DH5-2441-TX

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.0098	19.85	32.45	52.30	127.76	-75.46	QP	100	147	
2	0.0233	20.06	23.68	43.74	120.24	-76.50	QP	100	264	
3	0.0421	19.71	21.85	41.56	115.11	-73.55	QP	100	239	
4	0.0710	19.30	13.97	33.27	110.57	-77.30	QP	100	221	
5	0.1057	19.12	10.17	29.29	107.12	-77.83	QP	100	154	
6	0.1208	19.11	9.74	28.85	105.96	-77.11	QP	100	161	

Spurious Emissions, TX Mode, 9k-30M



Service No.: 114056074(FERRARI NIT)-NCC-BT

Test Distance: 3m

Test Standard: NCC2.8_9k-1G_3m

Ant. Polarization:

Test item: Radiation Emission

Test Time: 2018/3/2 08:20:48

Applicant: Delphi Deutschland GmbH

Test Rating: DC 12V

Product: Head Unit

Temp.(°C)/Hum.(%): 24(°C)/52%

Model No.: FERRARI NIT

Test Engineer: Amy Hsu

Test Mode: 1DH5-2441-TX

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.4186	18.89	33.36	52.25	95.17	-42.92	QP	100	207	
2	1.2843	18.92	16.74	35.66	65.45	-29.79	QP	100	168	
3	5.8215	19.84	12.58	32.42	69.50	-37.08	QP	100	225	
4	8.6274	20.09	13.30	33.39	69.50	-36.11	QP	100	191	
5	17.0749	21.47	10.38	31.85	69.50	-37.65	QP	100	83	
6	22.7166	22.16	8.69	30.85	69.50	-38.65	QP	100	299	

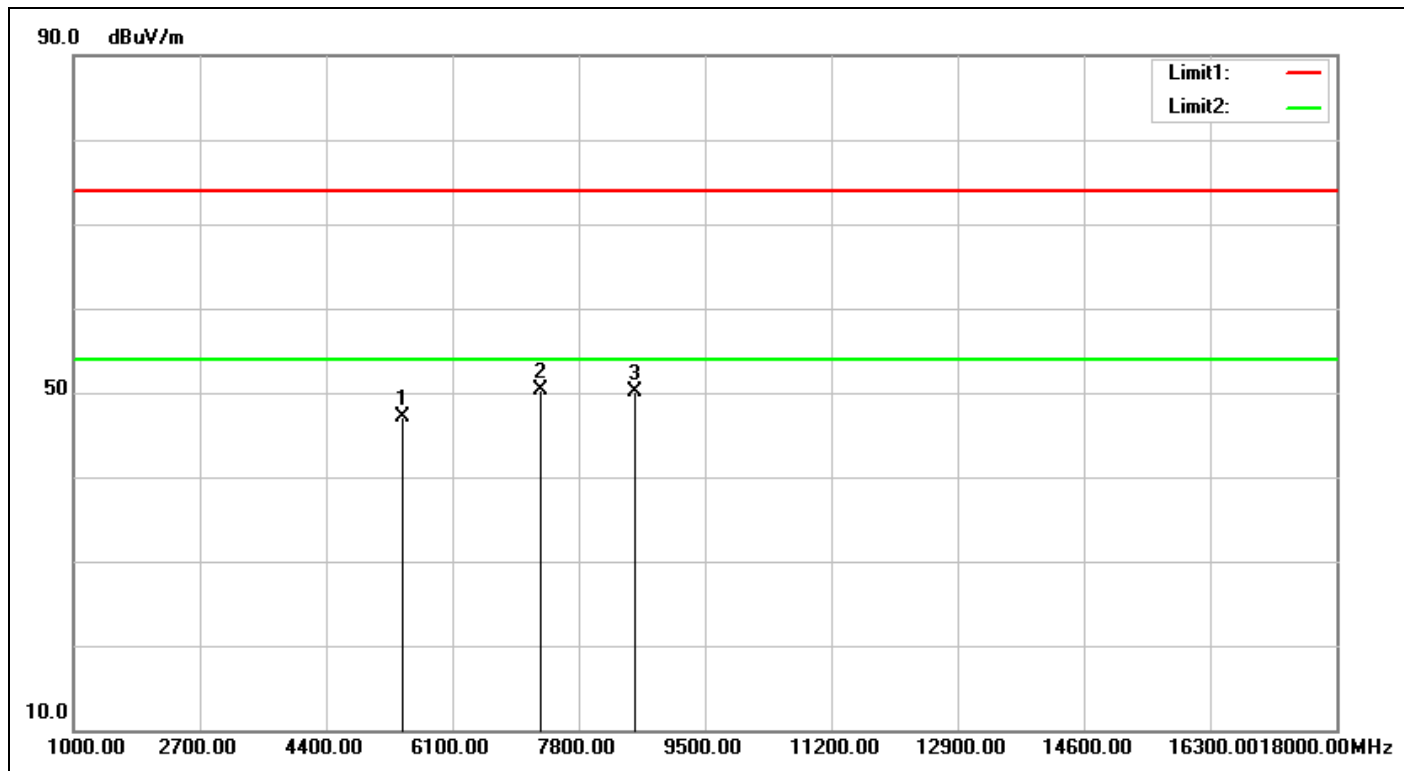
Spurious Emissions, RX Mode, 1-18G



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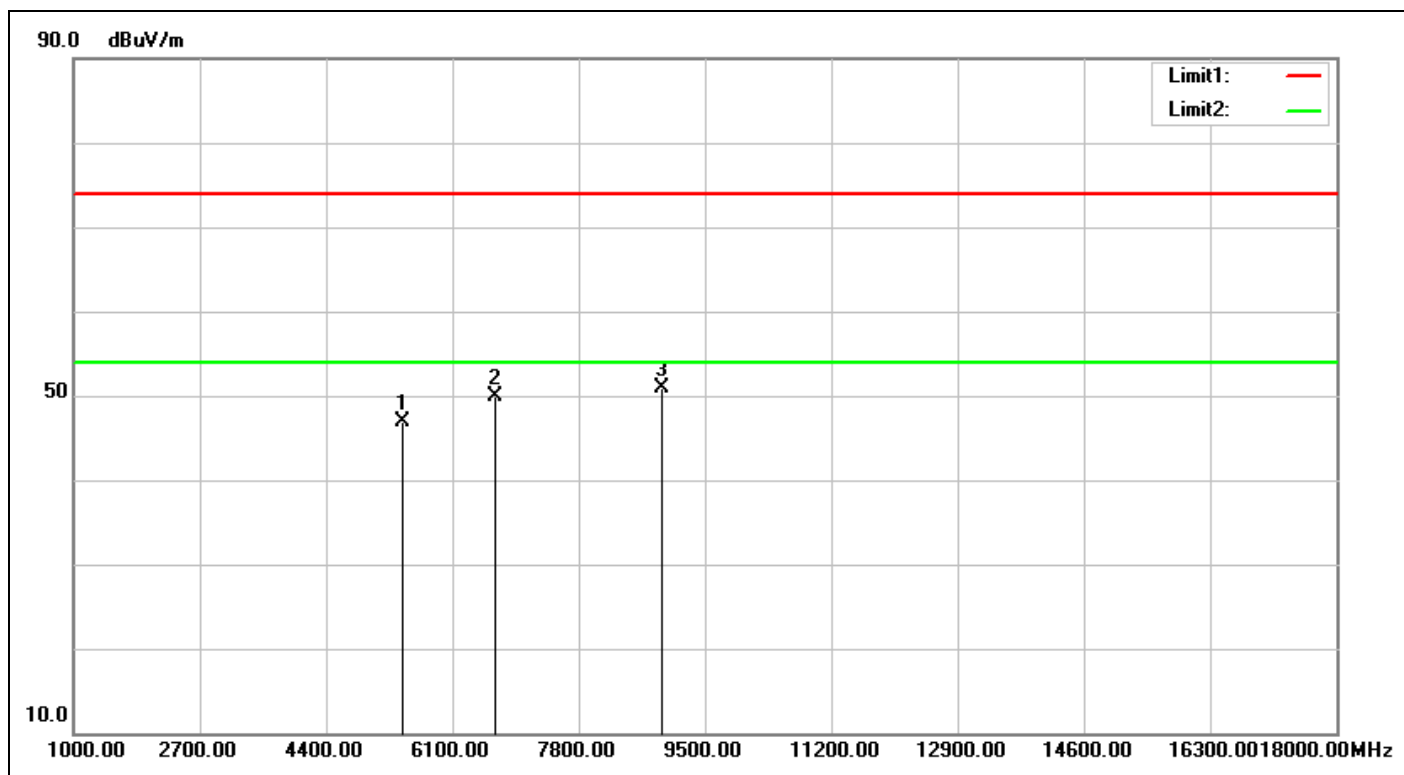
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Service No.:	114056074(FERRARI NIT)-NCC-BT	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/2/27 21:44:28
Applicant:	Delphi Deutschland GmbH	Test Rating:	DC 12V
Product:	Head Unit	Temp.(°C)/Hum.(%)	20.1(°C)/61%
Model No.:	FERRARI NIT	Test Engineer:	Amy Hsu
Test Mode:	1DH5-2441-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	5437.000	-1.14	48.31	47.17	74.00	-26.83	peak	100	197	
2	7290.000	4.42	45.81	50.23	74.00	-23.77	peak	100	163	
3	8565.000	5.35	44.78	50.13	74.00	-23.87	peak	100	245	

Spurious Emissions, RX Mode, 18-26G



Service No.:	114056074(FERRARI NIT)-NCC-BT	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/2/27 21:45:31
Applicant:	Delphi Deutschland GmbH	Test Rating:	DC 12V
Product:	Head Unit	Temp.(°C)/Hum.(%)	20.1(°C)/61%
Model No.:	FERRARI NIT	Test Engineer:	Amy Hsu
Test Mode:	1DH5-2441-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	5437.000	-1.14	47.95	46.81	74.00	-27.19	peak	100	359	
2	6678.000	4.10	45.81	49.91	74.00	-24.09	peak	100	331	
3	8922.000	5.38	45.48	50.86	74.00	-23.14	peak	100	43	

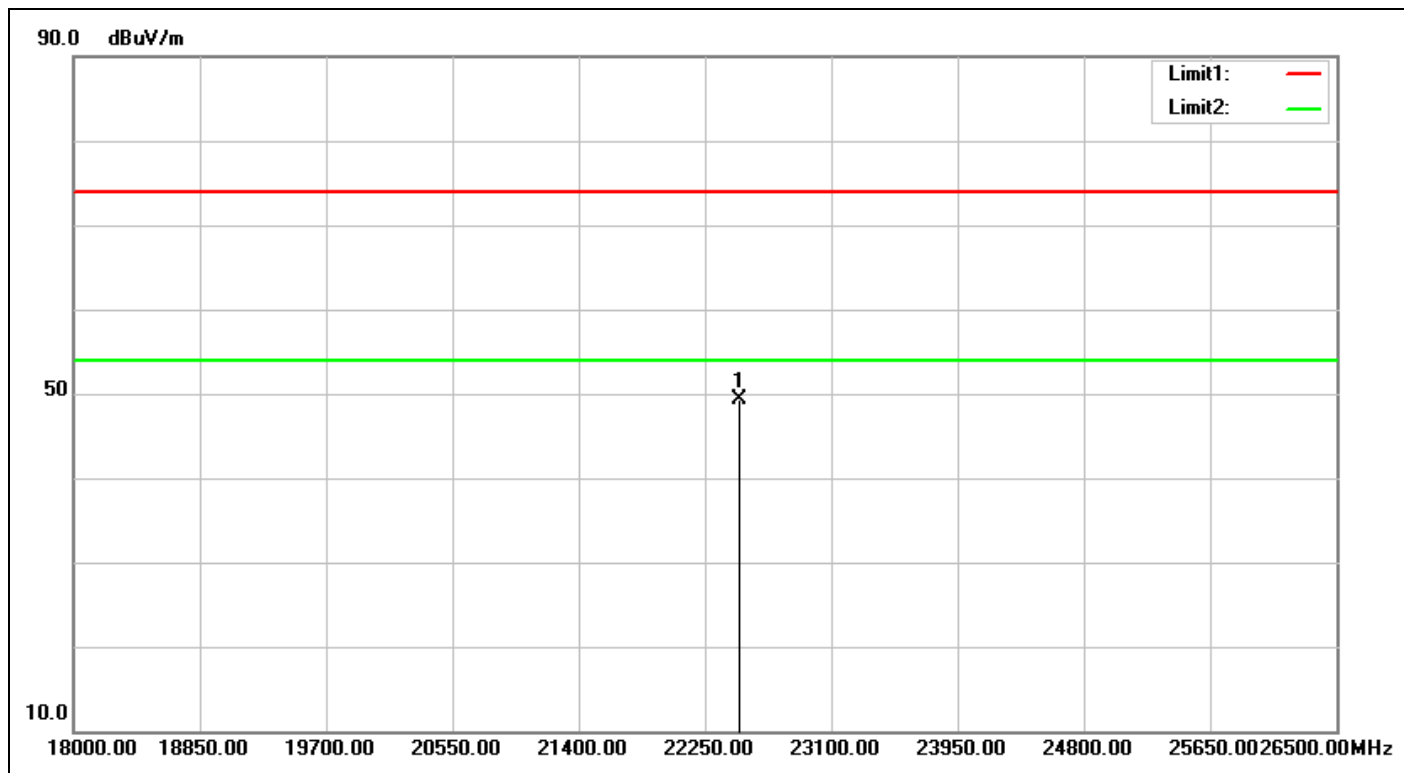
Spurious Emissions, RX Mode, 18-26G



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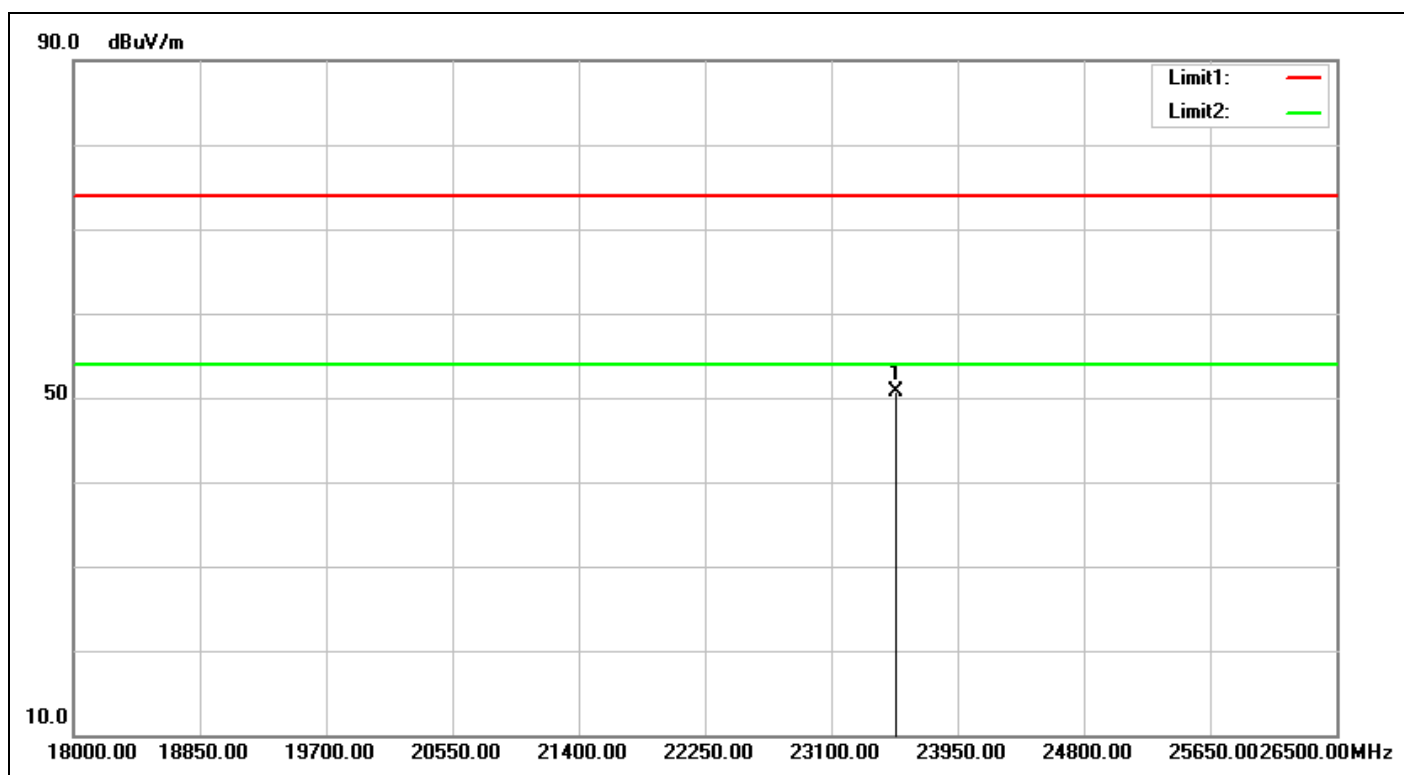
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Service No.:	114056074(FERRARI NIT)-NCC-BT	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/3/1 20:44:33
Applicant:	Delphi Deutschland GmbH	Test Rating:	DC 12V
Product:	Head Unit	Temp.(°C)/Hum.(%):	20.2(°C)/56%
Model No.:	FERRARI NIT	Test Engineer:	Amy Hsu
Test Mode:	1DH5-2441-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22479.500	32.63	16.74	49.37	74.00	-24.63	peak	100	118	



Service No.:	114056074(FERRARI NIT)-NCC-BT	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/3/1 20:44:44
Applicant:	Delphi Deutschland GmbH	Test Rating:	DC 12V
Product:	Head Unit	Temp.(°C)/Hum.(%)	20.2(°C)/56%
Model No.:	FERRARI NIT	Test Engineer:	Amy Hsu
Test Mode:	1DH5-2441-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23533.500	33.25	17.49	50.74	74.00	-23.26	peak	100	154	

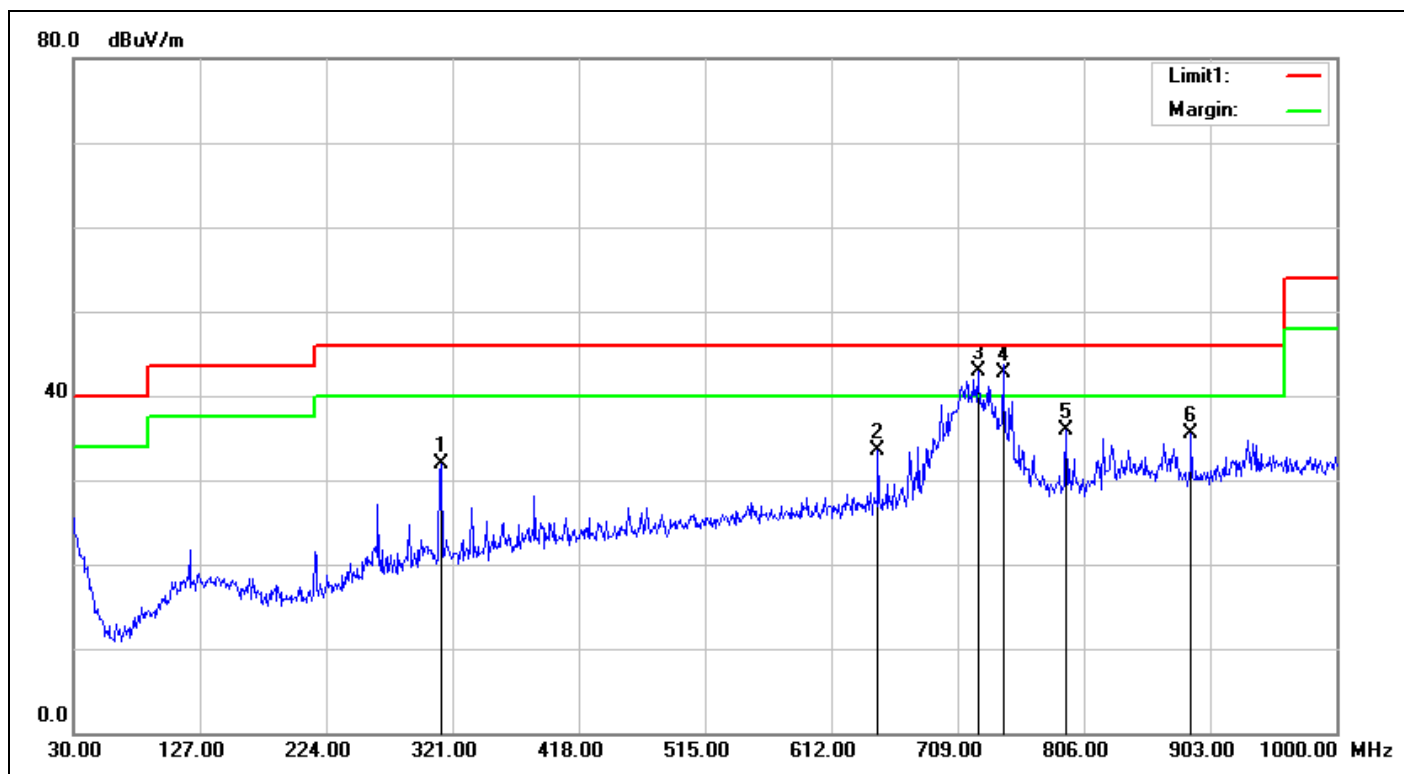
Spurious Emissions, RX Mode, 30M-1G



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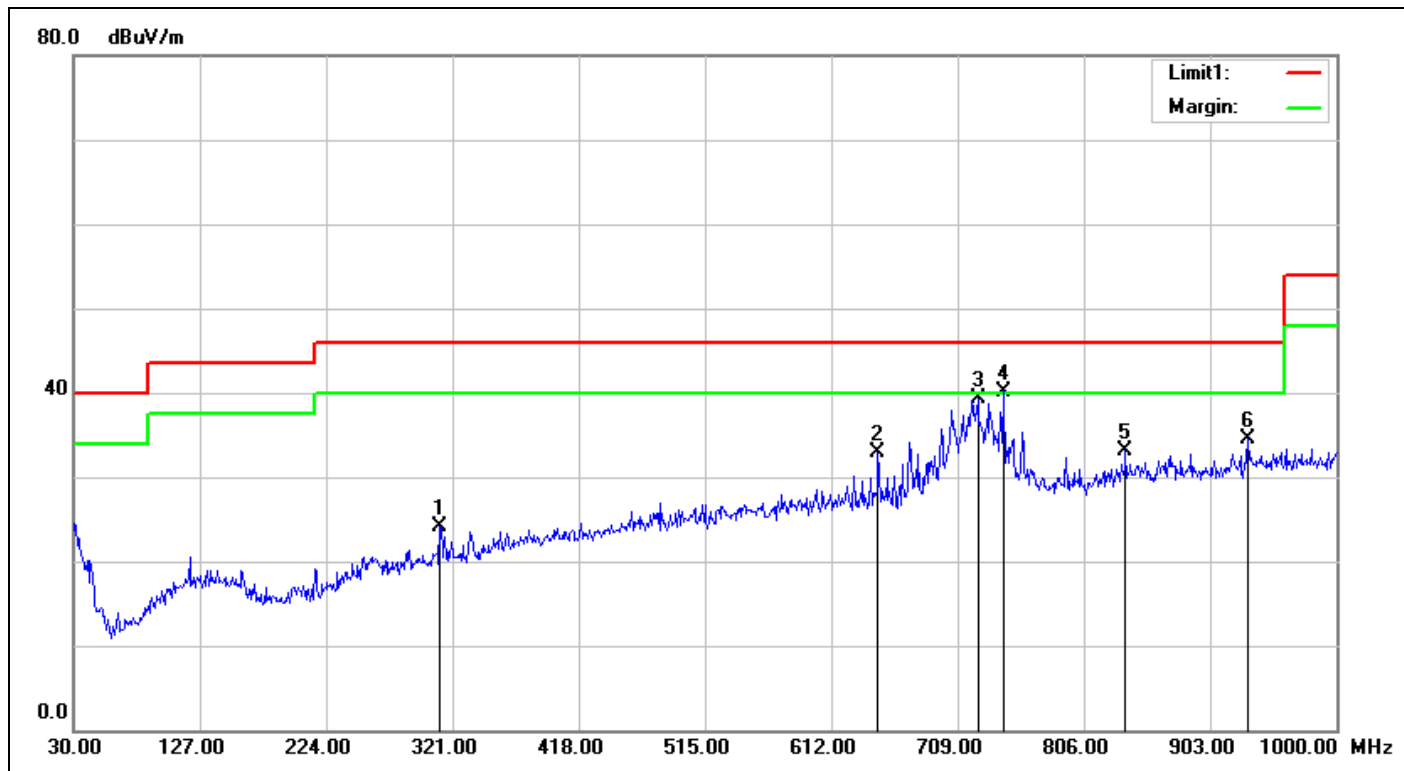
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Service No.:	114056074(FERRARI NIT)-NCC-BT	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/3/1 21:22:16
Applicant:	Delphi Deutschland GmbH	Test Rating:	DC 12V
Product:	Head Unit	Temp.(°C)/Hum.(%):	20(°C)/50%
Model No.:	FERRARI NIT	Test Engineer:	Amy Hsu
Test Mode:	1DH5-2441-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	312.2700	-4.26	36.25	31.99	46.00	-14.01	QP	100	168	
2	647.8900	0.50	32.99	33.49	46.00	-12.51	QP	100	257	
3	724.5200	1.81	41.02	42.83	46.00	-3.17	QP	100	163	
4	743.9200	2.24	40.39	42.63	46.00	-3.37	QP	100	220	
5	792.4200	2.70	33.29	35.99	46.00	-10.01	QP	100	278	
6	888.4500	3.98	31.54	35.52	46.00	-10.48	QP	100	200	

Spurious Emissions, RX Mode, 30M-1G



Service No.: 114056074(FERRARI NIT)-NCC-BT

Test Distance: 3m

Test Standard: NCC Class B 3M Radiation

Ant. Polarization: Vertical

Test item: Radiation Emission

Test Time: 2018/3/1 21:23:20

Applicant: Delphi Deutschland GmbH

Test Rating: DC 12V

Product: Head Unit

Temp.(°C)/Hum.(%): 20(°C)/50%

Model No.: FERRARI NIT

Test Engineer: Amy Hsu

Test Mode: 1DH5-2441-RX

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	311.3000	-4.29	28.42	24.13	46.00	-21.87	QP	100	243	
2	647.8900	0.50	32.47	32.97	46.00	-13.03	QP	100	352	
3	724.5200	1.81	37.47	39.28	46.00	-6.72	QP	100	59	
4	743.9200	2.24	37.96	40.20	46.00	-5.80	QP	100	72	
5	838.0100	3.49	29.58	33.07	46.00	-12.93	QP	100	285	
6	932.1000	4.98	29.57	34.55	46.00	-11.45	QP	100	328	

Spurious Emissions, RX Mode, 30M-1G

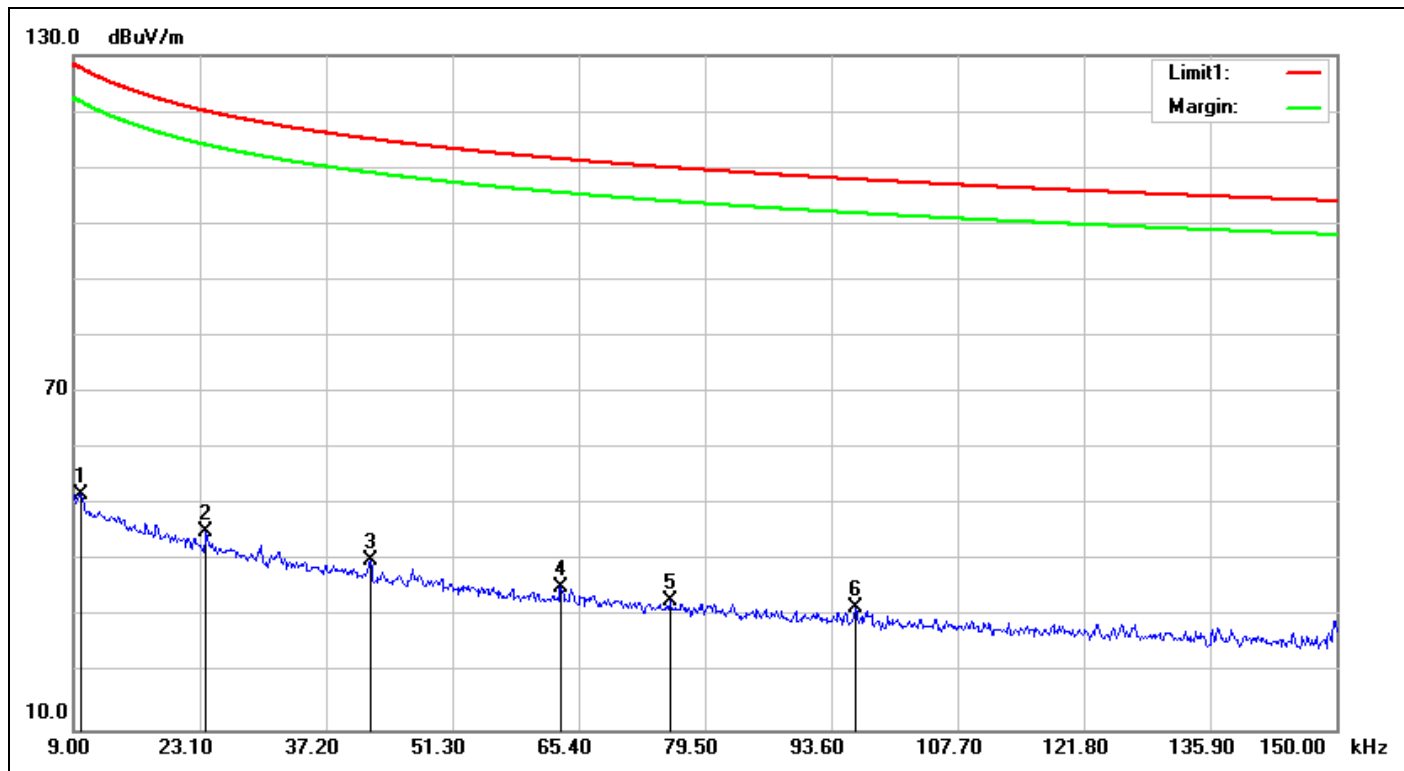
Spurious Emissions, RX Mode, 9K-30M



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Service No.: 114056074(FERRARI NIT)-NCC-BT

Test Distance: 3m

Test Standard: NCC2.8_9k-1G_3m

Ant. Polarization:

Test item: Radiation Emission

Test Time: 2018/3/2 08:18:22

Applicant: Delphi Deutschland GmbH

Test Rating: DC 12V

Product: Head Unit

Temp.(°C)/Hum.(%): 24(°C)/52%

Model No.: FERRARI NIT

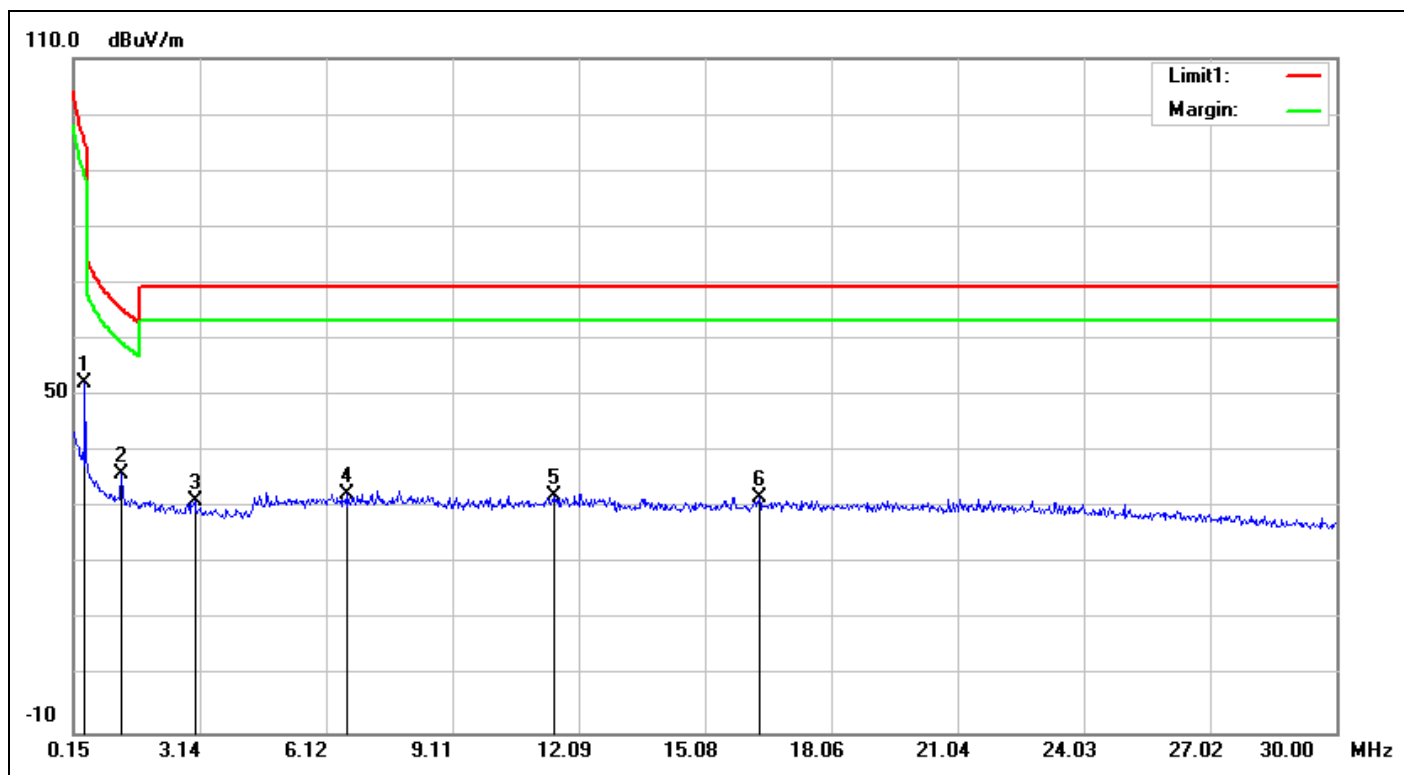
Test Engineer: Amy Hsu

Test Mode: 1DH5-2441-RX

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.0098	19.85	32.10	51.95	127.76	-75.81	QP	100	346	
2	0.0238	20.07	25.07	45.14	120.06	-74.92	QP	100	126	
3	0.0421	19.71	20.32	40.03	115.11	-75.08	QP	100	263	
4	0.0634	19.35	16.08	35.43	111.55	-76.12	QP	100	276	
5	0.0756	19.28	13.55	32.83	110.02	-77.19	QP	100	101	
6	0.0963	19.15	12.57	31.72	107.92	-76.20	QP	100	126	

Spurious Emissions, RX Mode, 30M-1G



Service No.: 114056074(FERRARI NIT)-NCC-BT

Test Distance: 3m

Test Standard: NCC2.8_9k-1G_3m

Ant. Polarization:

Test item: Radiation Emission

Test Time: 2018/3/2 08:21:52

Applicant: Delphi Deutschland GmbH

Test Rating: DC 12V

Product: Head Unit

Temp.(°C)/Hum.(%): 24(°C)/52%

Model No.: FERRARI NIT

Test Engineer: Amy Hsu

Test Mode: 1DH5-2441-RX

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.4187	18.89	33.46	52.35	95.17	-42.82	QP	100	194	
2	1.2843	18.92	17.02	35.94	65.45	-29.51	QP	100	172	
3	3.0156	18.53	12.83	31.36	69.50	-38.14	QP	100	78	
4	6.6275	19.91	12.63	32.54	69.50	-36.96	QP	100	183	
5	11.5229	20.49	11.70	32.19	69.50	-37.31	QP	100	271	
6	16.3586	21.34	10.45	31.79	69.50	-37.71	QP	100	0	