

Test Report No.50161437 001

Appendix D: Radiated and Mains Spurious Emission Data

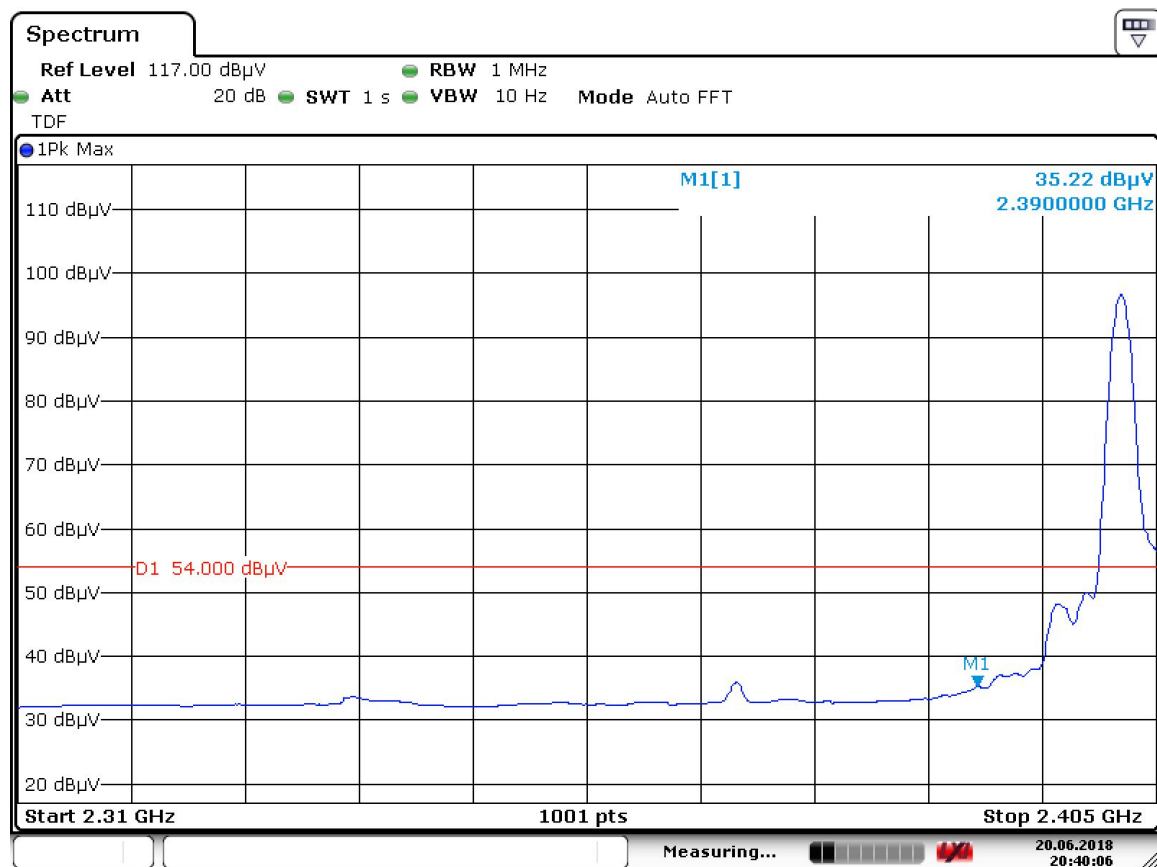
(File: 50161437Appendix D)

Contents

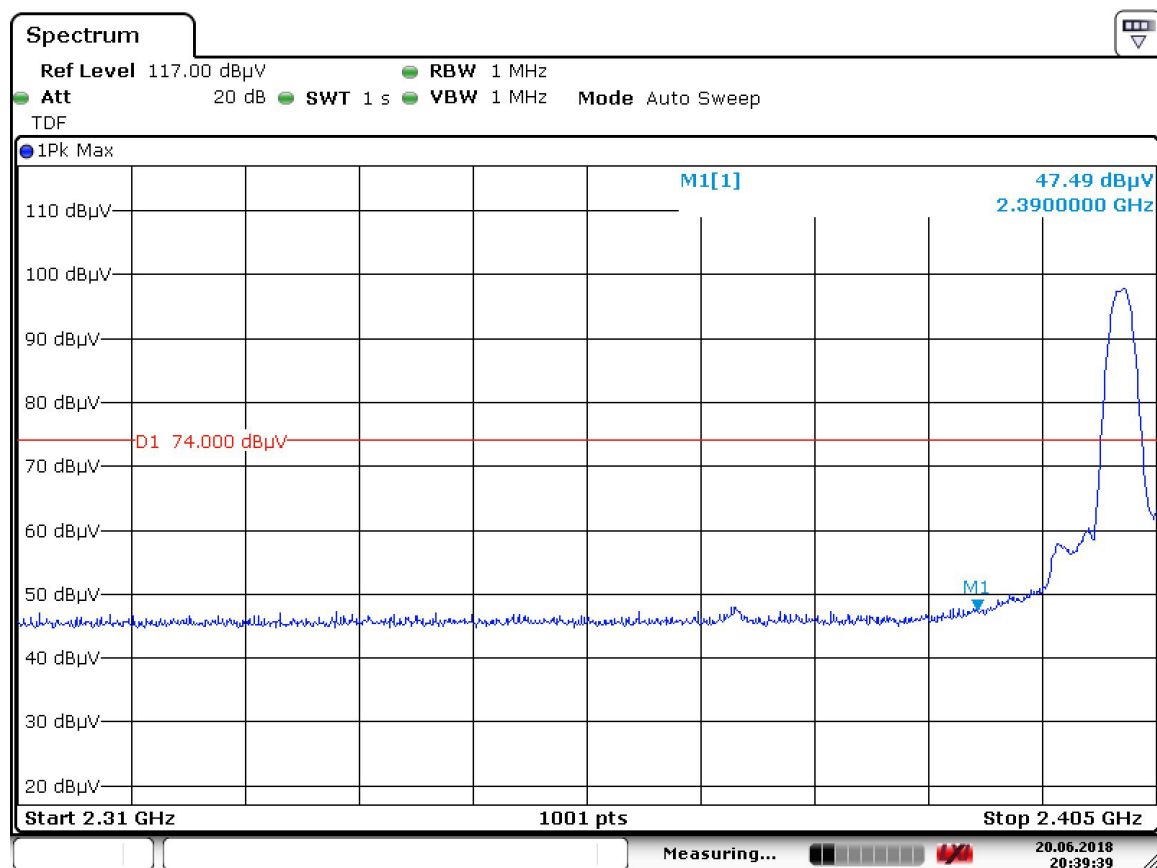
Spurious Emissions, Band Edges, 2.35-2.5G	2
Spurious Emissions, TX Mode, 1-18G.....	6
Spurious Emissions, TX Mode, 18-26G.....	12
Spurious Emissions, TX Mode, 30M-1G	18
Spurious Emissions, TX Mode, 9k-30M	20
Spurious Emissions, RX Mode, 1-18G	22
Spurious Emissions, RX Mode, 18-26G	28
Spurious Emissions, RX Mode, 30M-1G.....	34
Spurious Emissions, RX Mode, 9K-30M.....	36

Spurious Emissions, Band Edges, 2.35-2.5G

Low Channel(Horizontal)



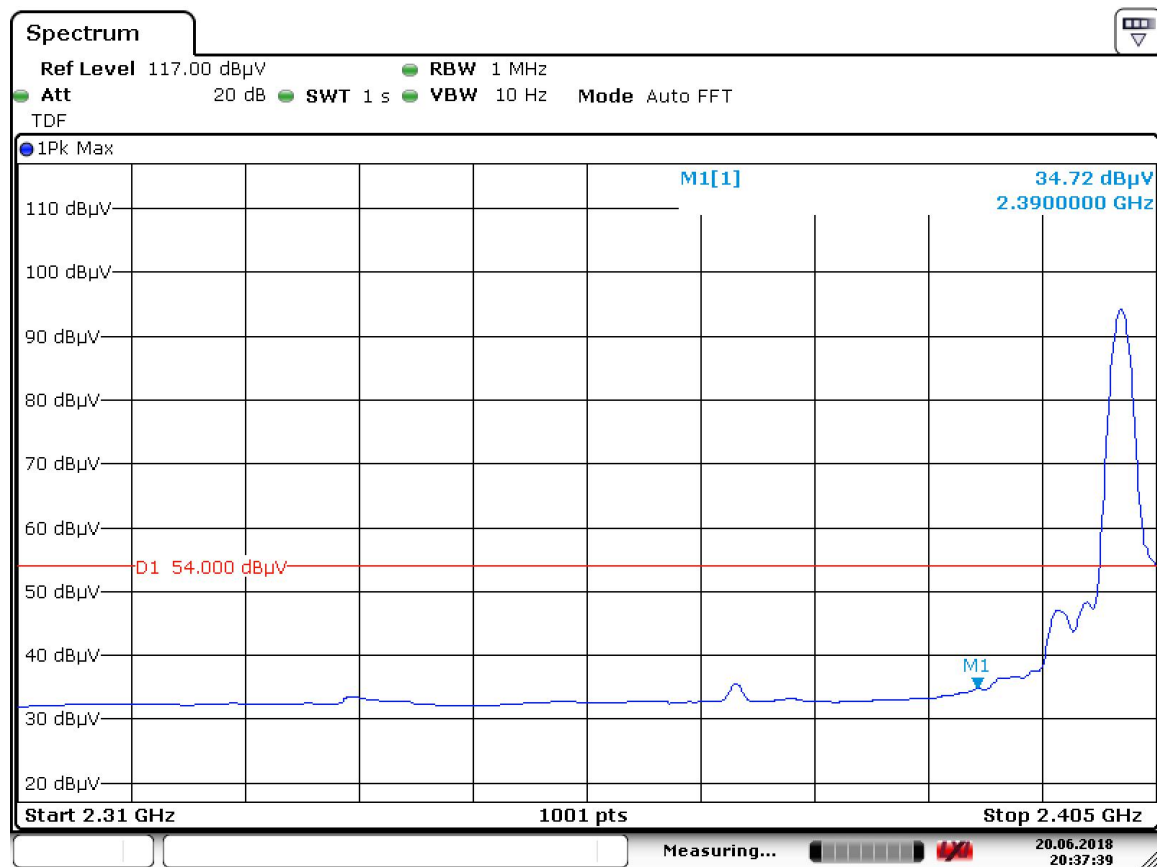
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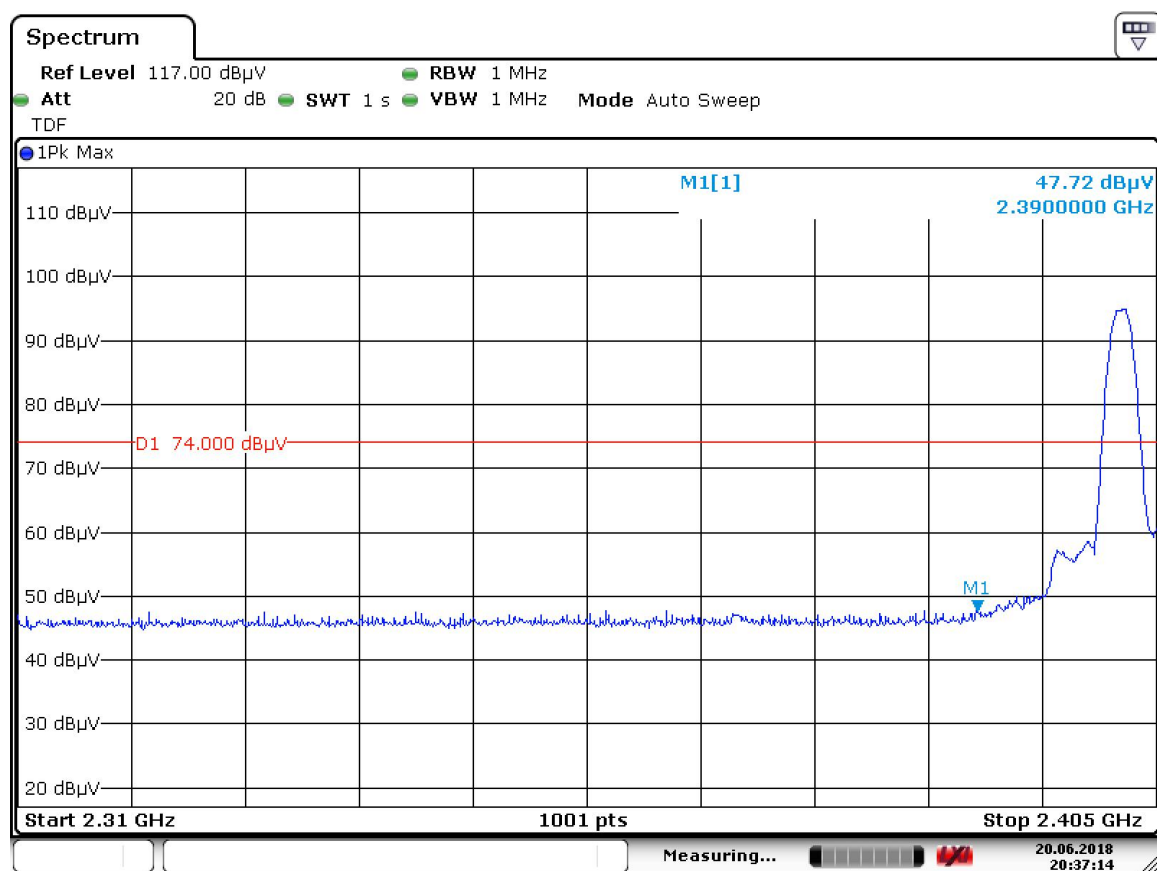
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Spurious Emissions, TX Mode, 1-18G

Low Channel(Vertical)



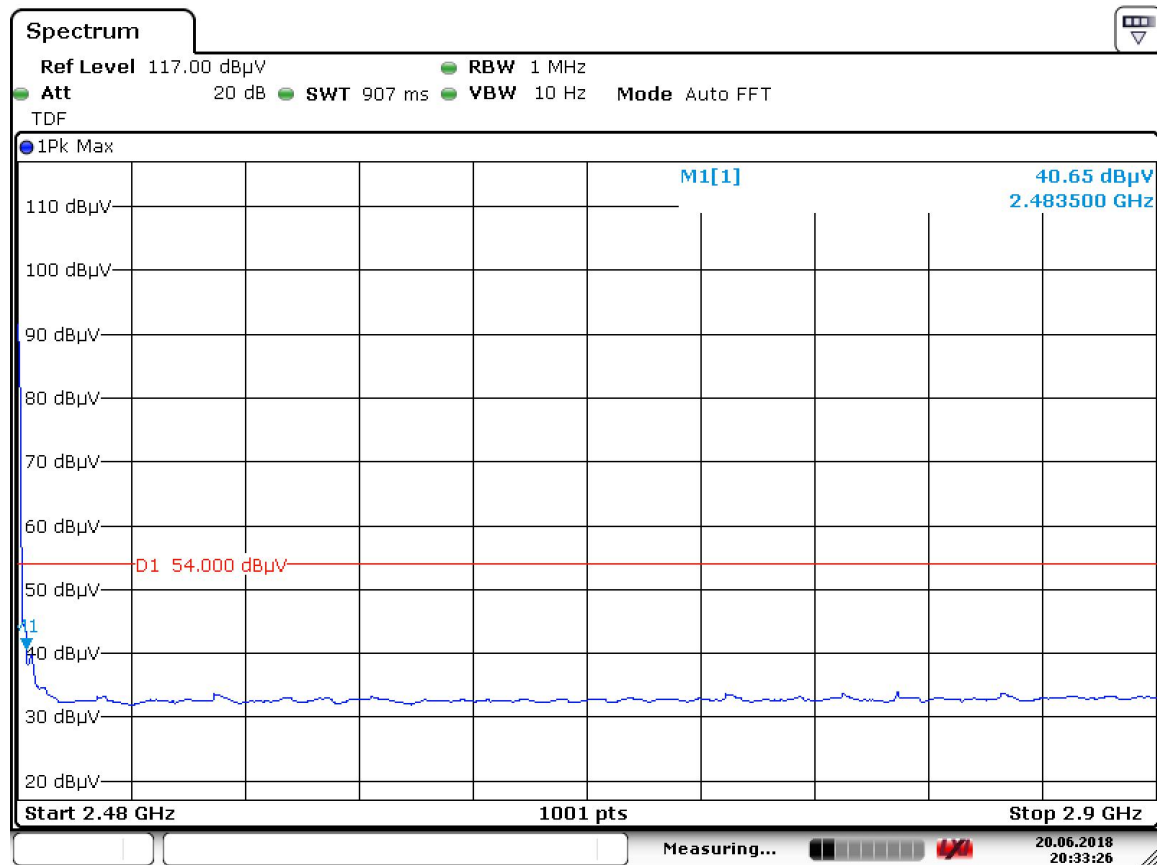
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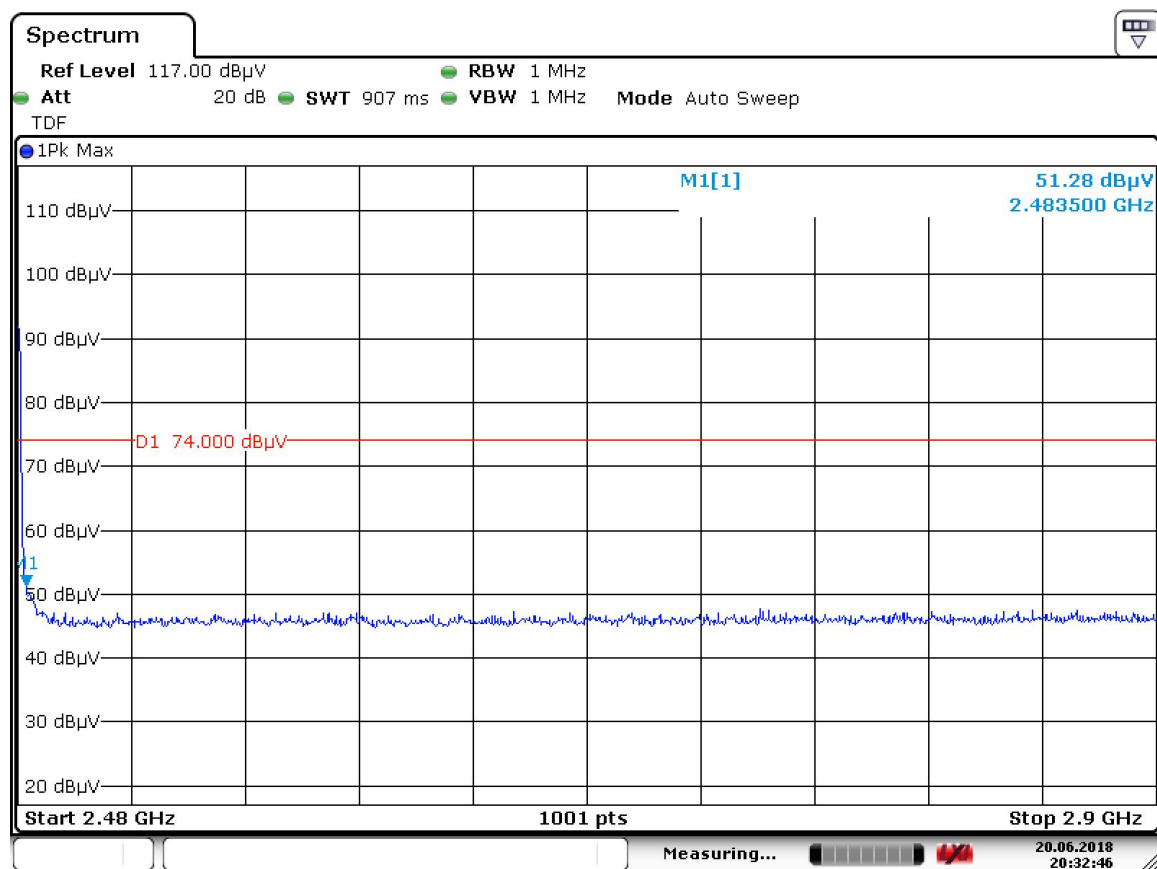
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Spurious Emissions, TX Mode, 1-18G

High Channel(Horizontal)



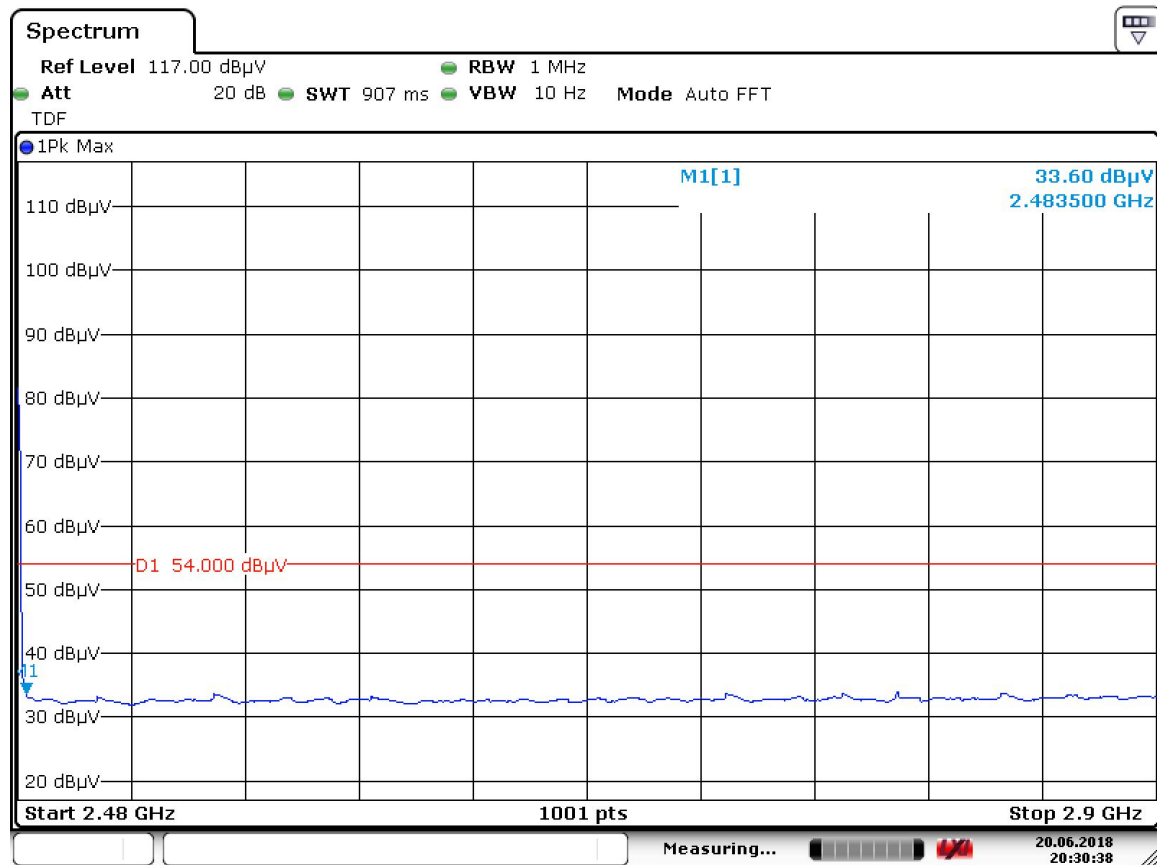
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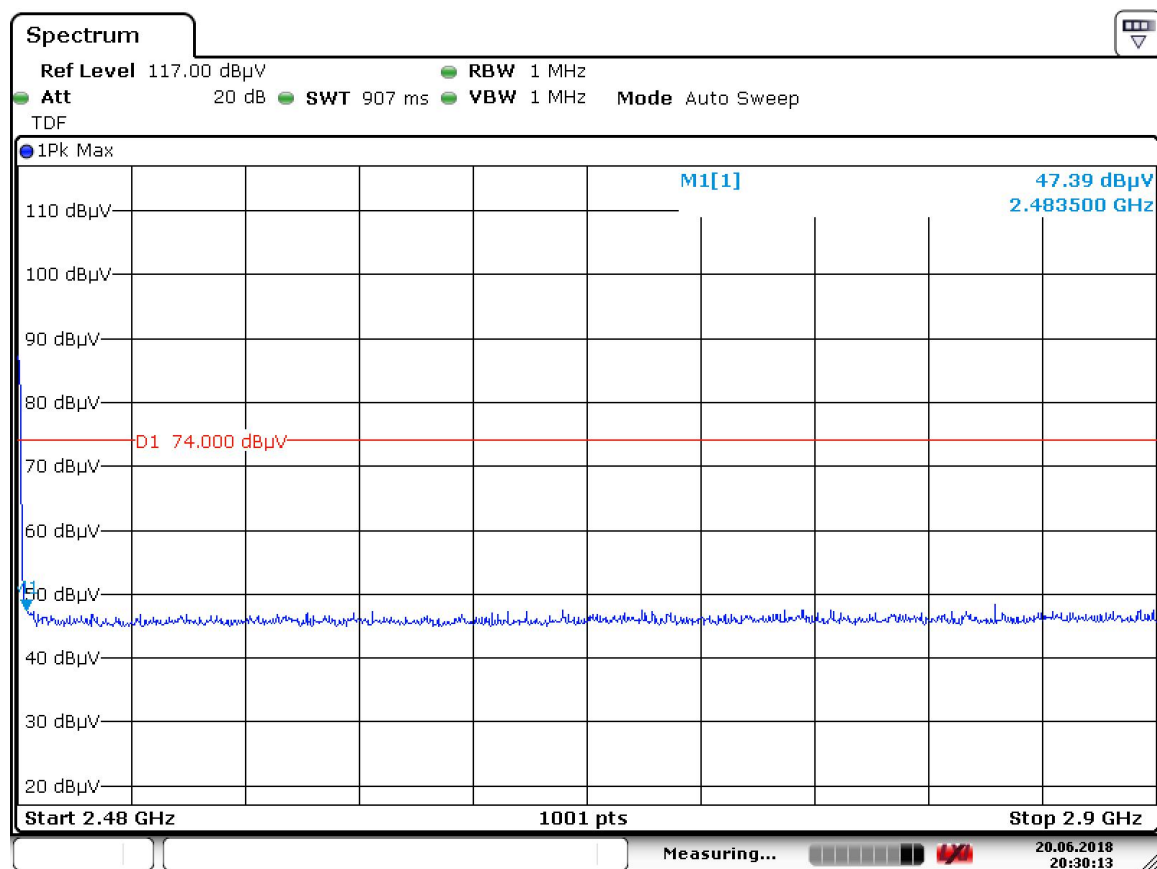
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Spurious Emissions, TX Mode, 1-18G

High Channel(Vertical)



Date: 20.JUN.2018 20:30:38



Date: 20.JUN.2018 20:30:13

Spurious Emissions, TX Mode, 1-18G

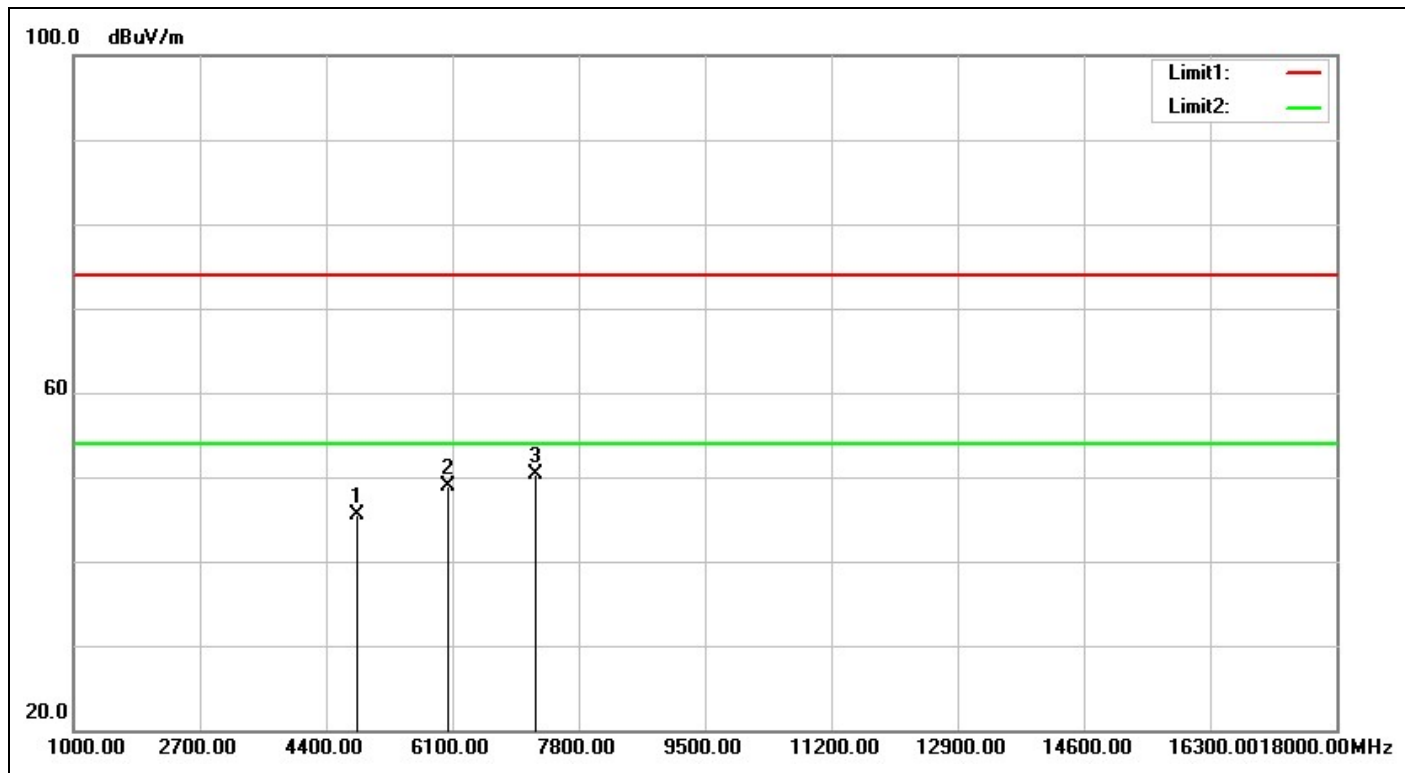
Spurious Emissions, TX Mode, 1-18G



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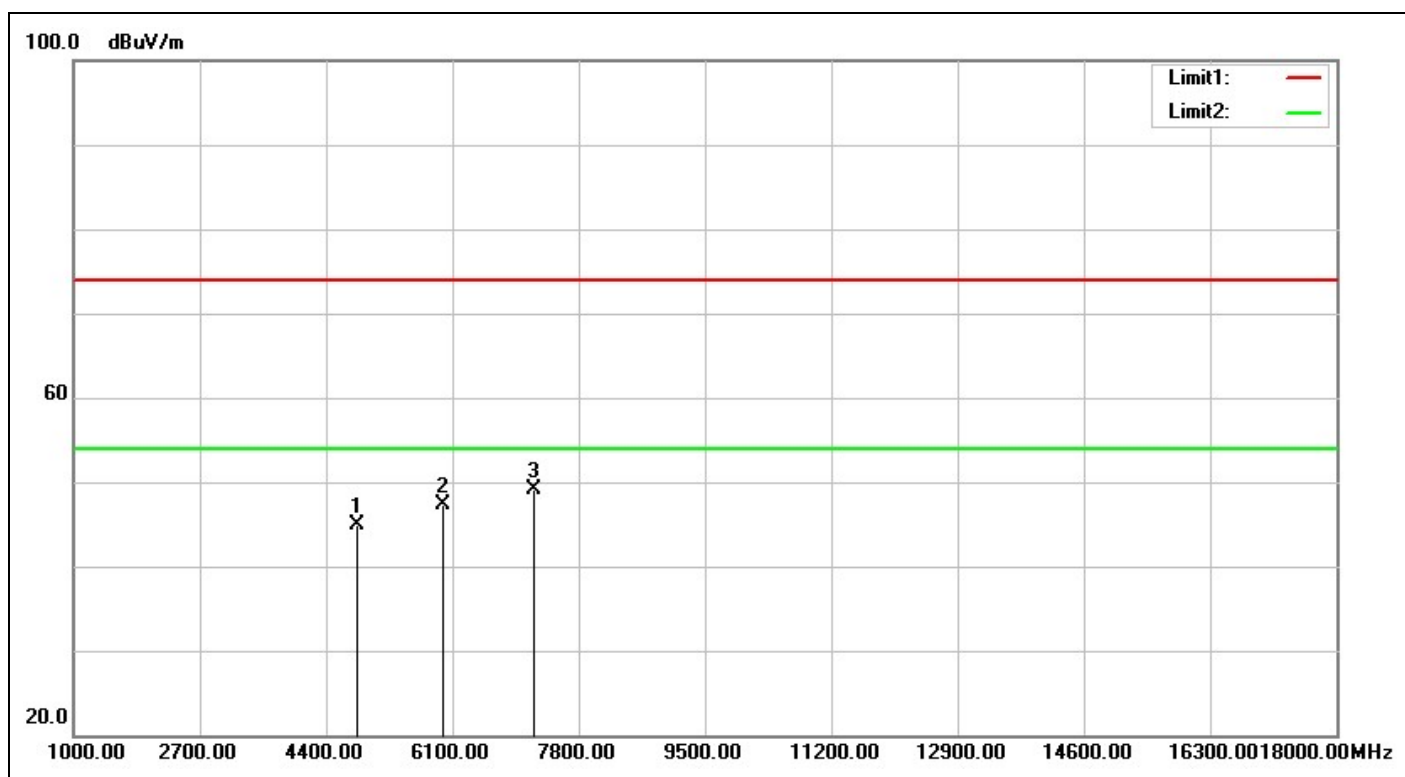
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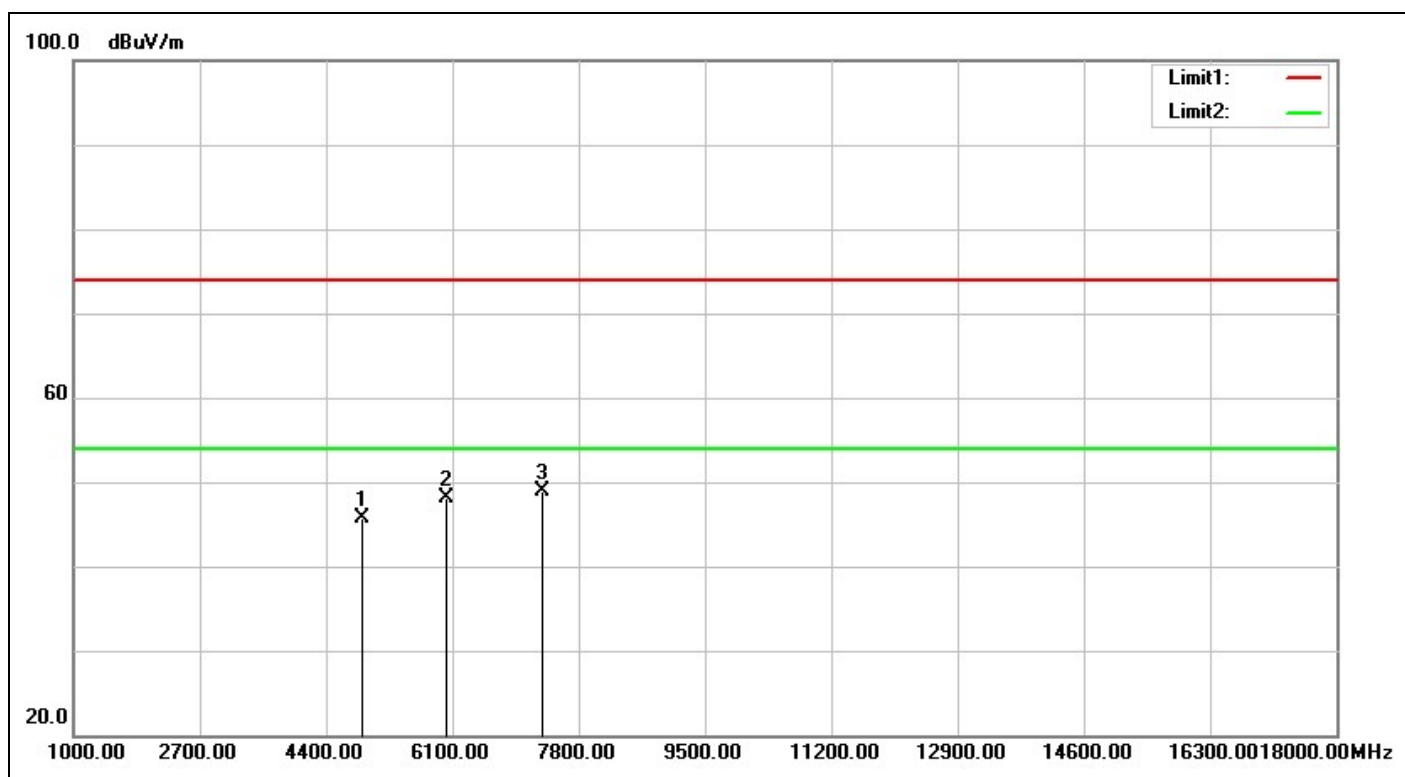
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/6/20 20:35:01
Applicant:	奧迪福斯汽車股份有限公司	Test Rating:	DC 12V
Product:	Roof Antenna with Bluetooth Low Energy	Temp.(°C)/Hum.(%):	20(°C)/56%
Model No.:	DDAECE01	Test Engineer:	Kevin.Kuo
Test Mode:	TX-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	-3.37	48.82	45.45	74.00	-28.55	peak	100	2	
2	6032.000	2.51	46.35	48.86	74.00	-25.14	peak	100	26	
3	7206.000	4.31	45.96	50.27	74.00	-23.73	peak	100	112	



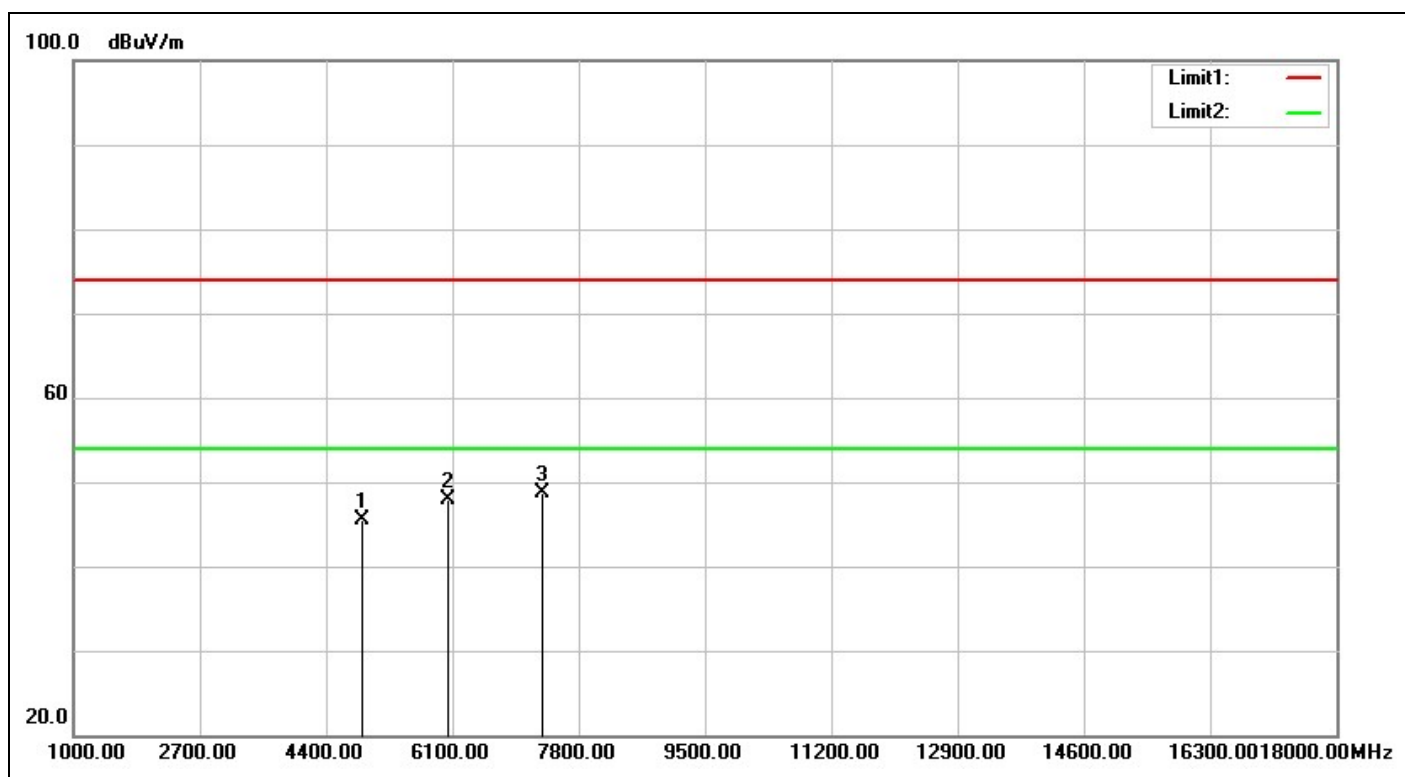
Service No.:	114070329	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/6/20 20:36:04
Applicant:	奧迪福斯汽車股份有限公司	Test Rating:	DC 12V
Product:	Roof Antenna with Bluetooth Low Energy	Temp.(°C)/Hum.(%)	20(°C)/56%
Model No.:	DDAECE01	Test Engineer:	Kevin.Kuo
Test Mode:	TX-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	-3.37	48.33	44.96	74.00	-29.04	peak	100	201	
2	5981.000	2.26	45.14	47.40	74.00	-26.60	peak	100	134	
3	7206.000	4.31	44.80	49.11	74.00	-24.89	peak	100	335	



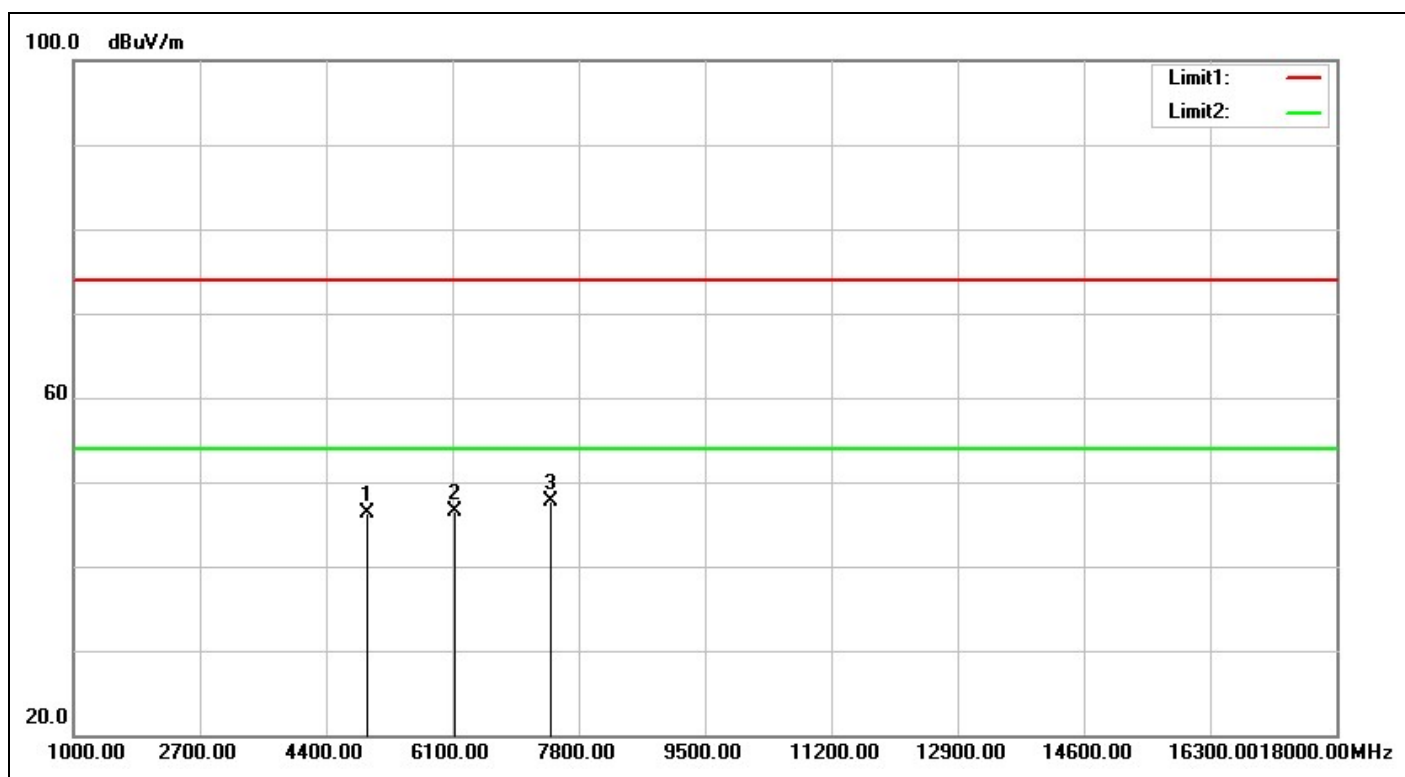
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/6/20 20:38:25
Applicant:	奧迪福斯汽車股份有限公司	Test Rating:	DC 12V
Product:	Roof Antenna with Bluetooth Low Energy	Temp.(°C)/Hum.(%)	20(°C)/56%
Model No.:	DDAECE01	Test Engineer:	Kevin.Kuo
Test Mode:	TX-2440		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4880.000	-3.25	48.88	45.63	74.00	-28.37	peak	100	213	
2	6015.000	2.45	45.62	48.07	74.00	-25.93	peak	100	123	
3	7320.000	4.57	44.25	48.82	74.00	-25.18	peak	100	266	



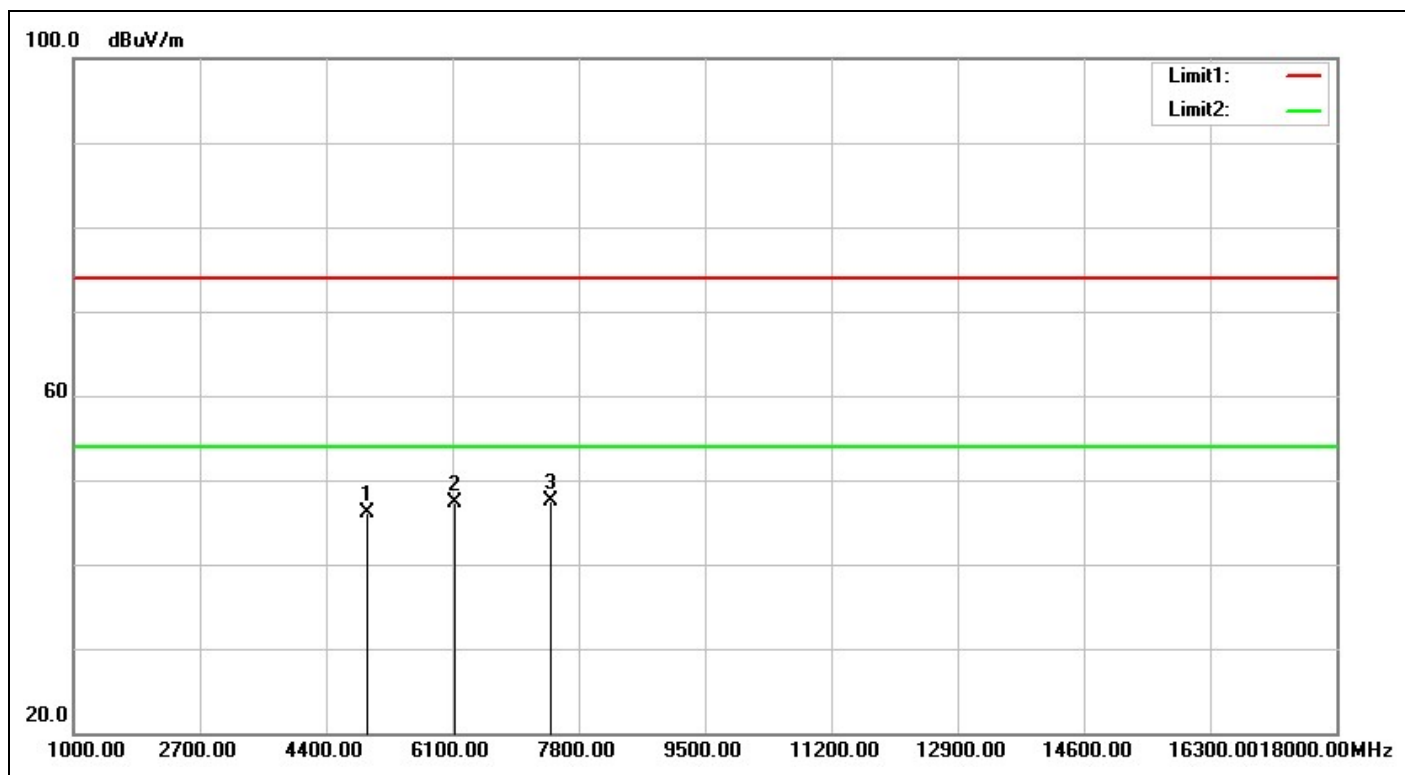
Service No.:	114070329	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/6/20 20:39:28
Applicant:	奧迪福斯汽車股份有限公司	Test Rating:	DC 12V
Product:	Roof Antenna with Bluetooth Low Energy	Temp.(°C)/Hum.(%)	20(°C)/56%
Model No.:	DDAECE01	Test Engineer:	Kevin.Kuo
Test Mode:	TX-2440		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4880.000	-3.25	48.84	45.59	74.00	-28.41	peak	100	125	
2	6049.000	2.59	45.32	47.91	74.00	-26.09	peak	100	102	
3	7320.000	4.57	44.04	48.61	74.00	-25.39	peak	100	26	



Service No.:	114070329	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/6/20 20:41:45
Applicant:	奧迪福斯汽車股份有限公司	Test Rating:	DC 12V
Product:	Roof Antenna with Bluetooth Low Energy	Temp.(°C)/Hum.(%)	20(°C)/56%
Model No.:	DDAECE01	Test Engineer:	Kevin.Kuo
Test Mode:	TX-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	-3.12	49.46	46.34	74.00	-27.66	peak	100	56	
2	6134.000	2.93	43.67	46.60	74.00	-27.40	peak	100	125	
3	7440.000	4.85	42.89	47.74	74.00	-26.26	peak	100	155	



Service No.:	114070329	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/6/20 20:42:48
Applicant:	奧迪福斯汽車股份有限公司	Test Rating:	DC 12V
Product:	Roof Antenna with Bluetooth Low Energy	Temp.(°C)/Hum.(%)	20(°C)/56%
Model No.:	DDAECE01	Test Engineer:	Kevin.Kuo
Test Mode:	TX-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	-3.12	49.13	46.01	74.00	-27.99	peak	100	108	
2	6134.000	2.93	44.28	47.21	74.00	-26.79	peak	100	116	
3	7440.000	4.85	42.68	47.53	74.00	-26.47	peak	100	211	

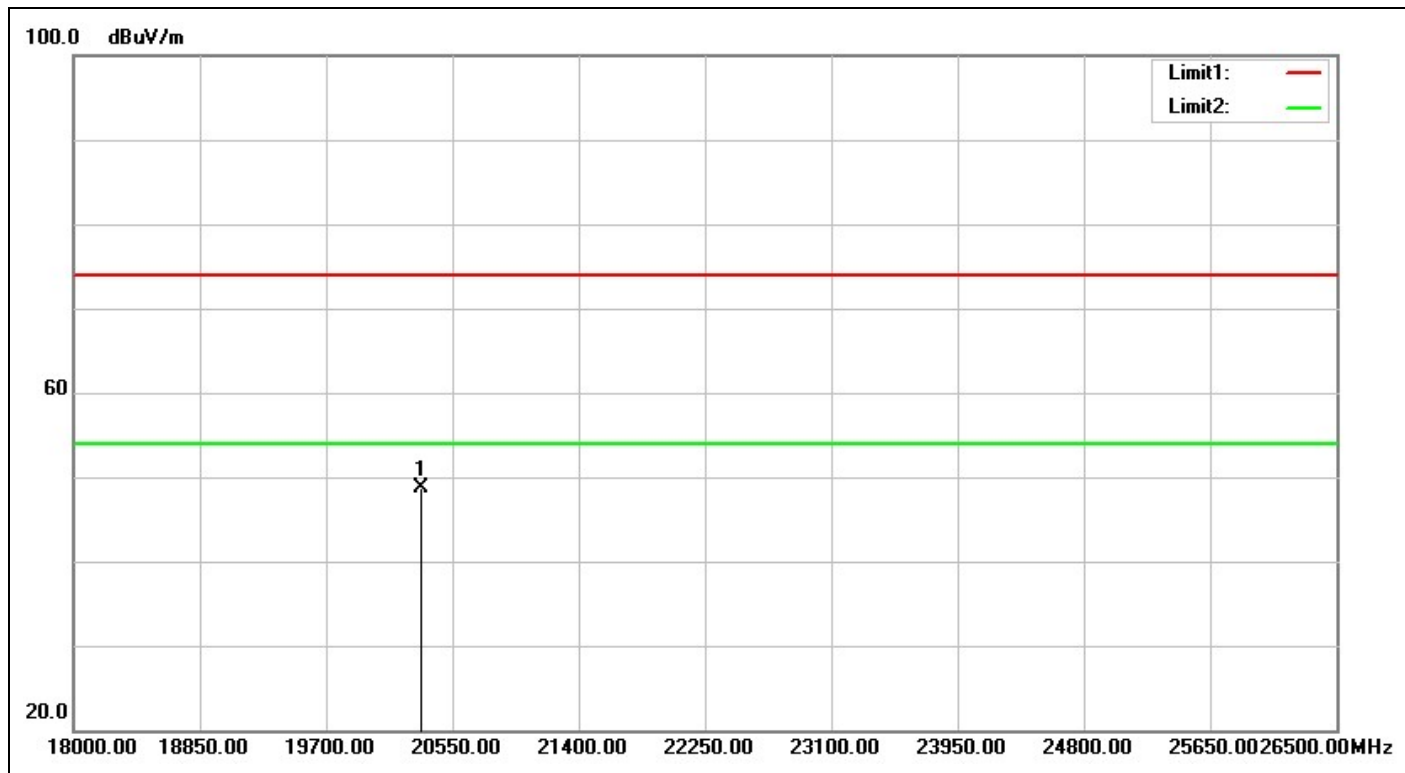
Spurious Emissions, TX Mode, 18-26G



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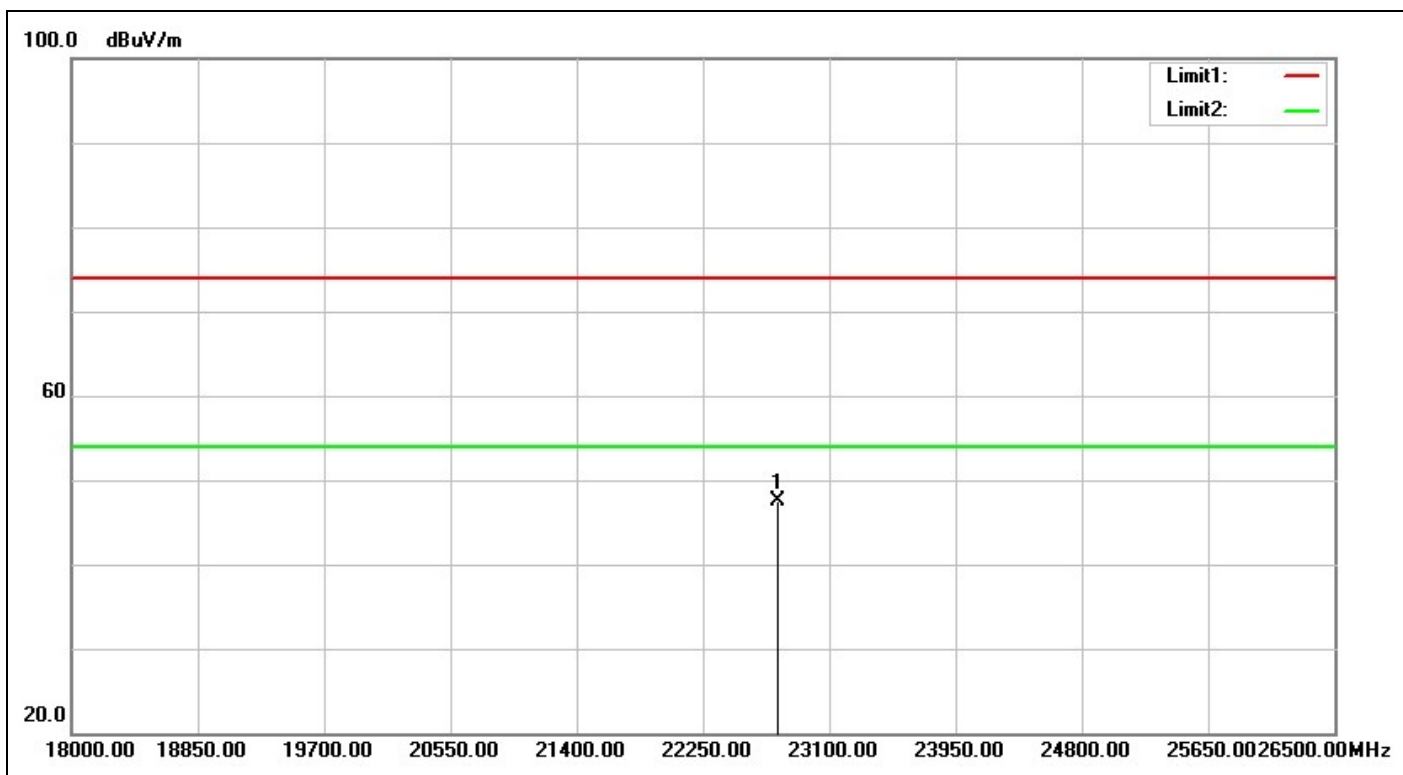
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Service No.:	114070329	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/6/20 21:05:17
Applicant:	奧迪福斯汽車股份有限公司	Test Rating:	DC 12V
Product:	Roof Antenna with Bluetooth Low Energy	Temp.(°C)/Hum.(%)	20(°C)/56%
Model No.:	DDAECE01	Test Engineer:	Kevin.Kuo
Test Mode:	TX-2402		
Remark:			

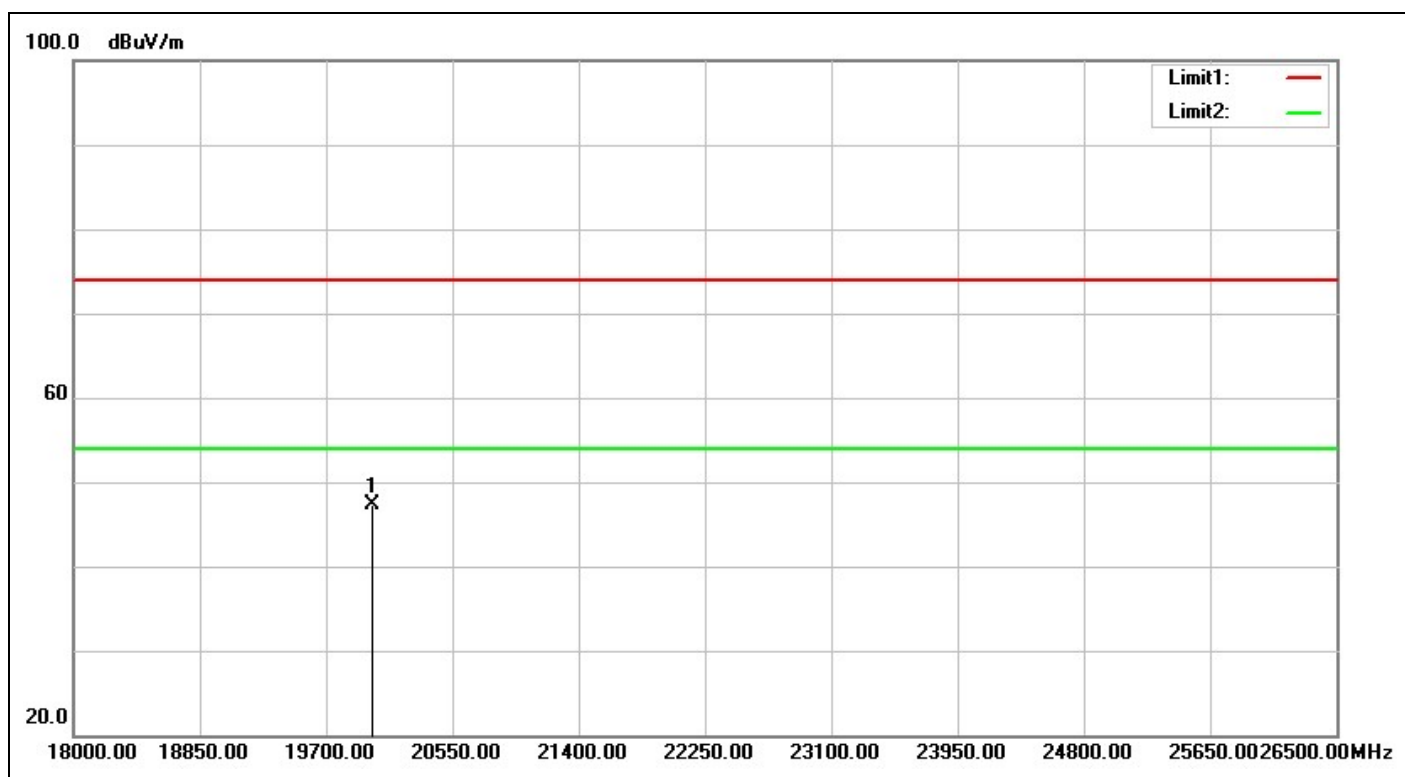
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1	20337.500	4.02	44.75	48.77	74.00	-25.23	peak	100	242	

Spurious Emissions, TX Mode, 9k-30M



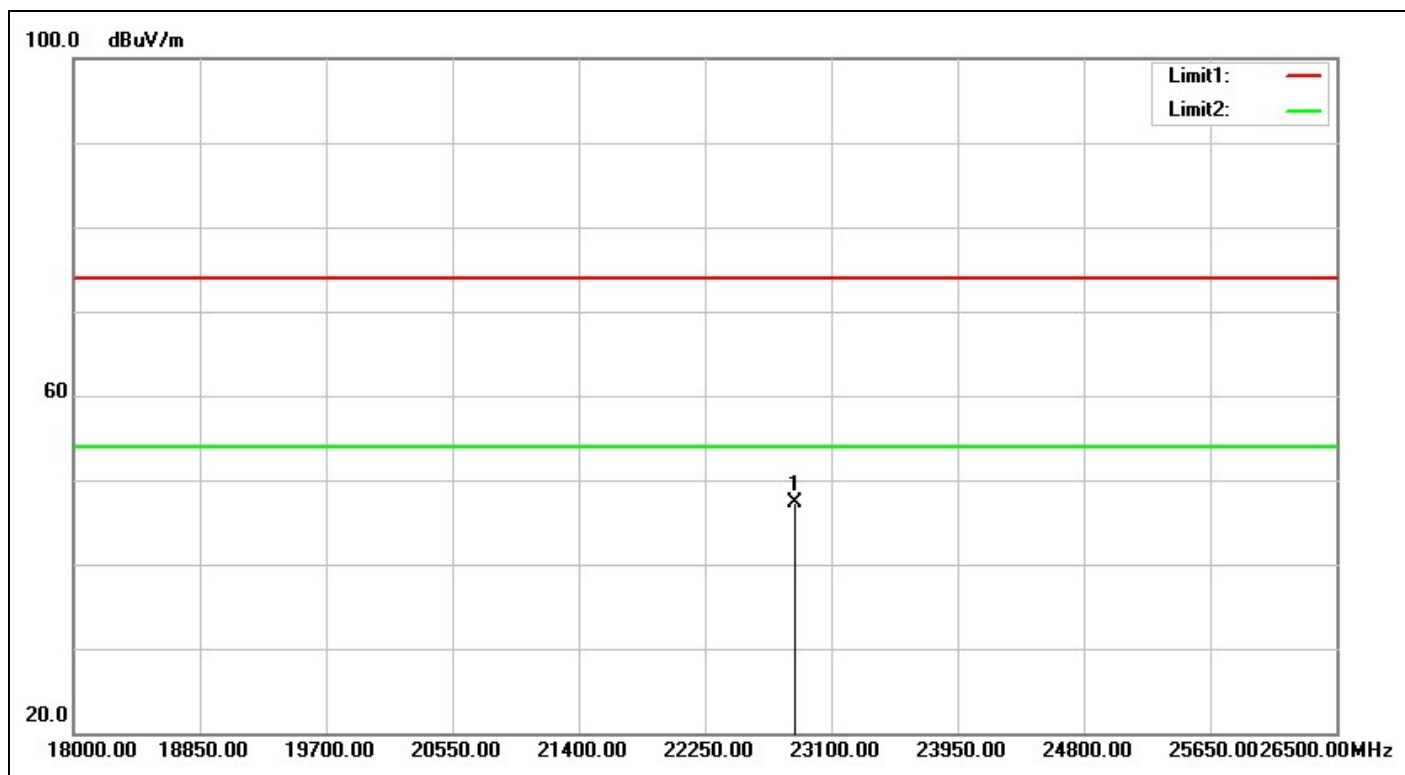
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/6/20 21:06:20
Applicant:	奧迪福斯汽車股份有限公司	Test Rating:	DC 12V
Product:	Roof Antenna with Bluetooth Low Energy	Temp.(°C)/Hum.(%):	20(°C)/56%
Model No.:	DDAECE01	Test Engineer:	Kevin.Kuo
Test Mode:	TX-2402		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22751.500	4.76	42.71	47.47	74.00	-26.53	peak	100	55	



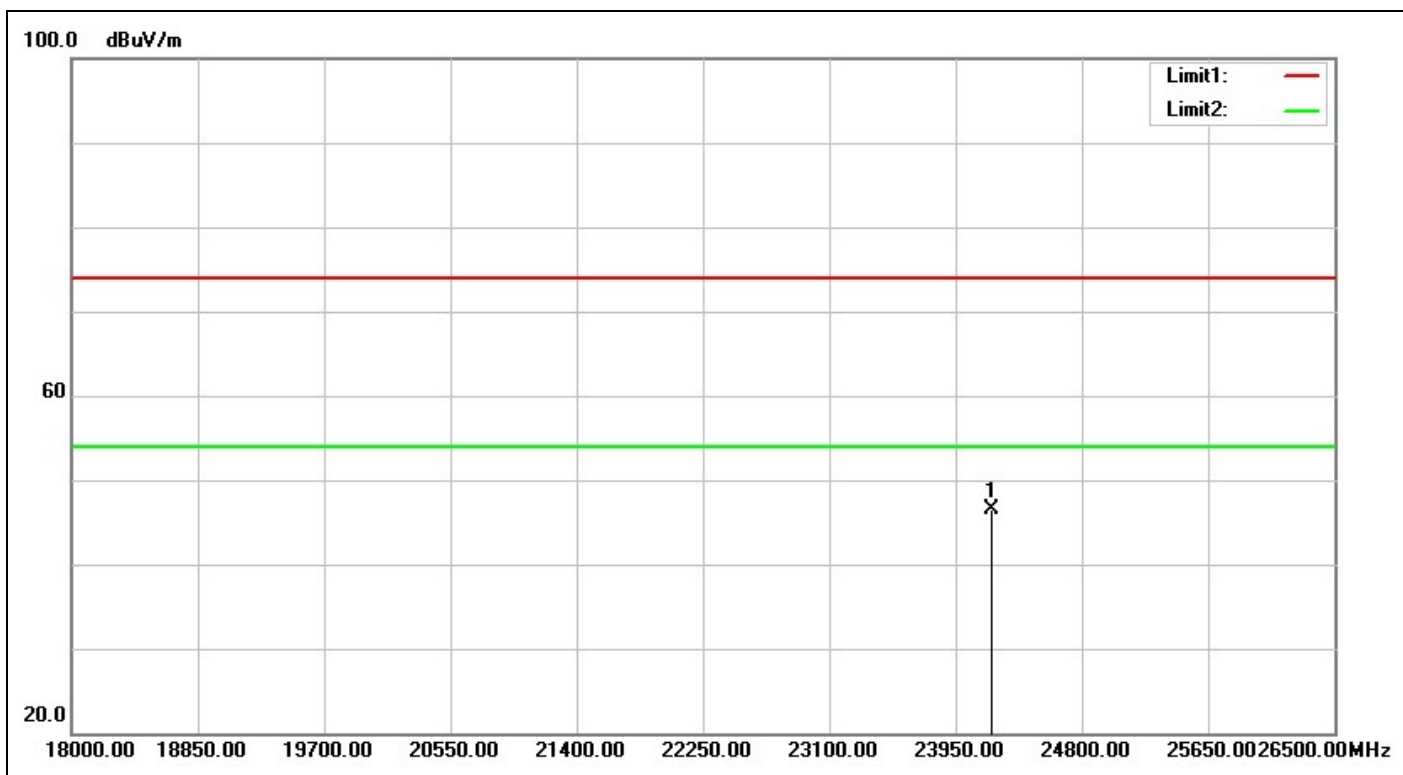
Service No.:	114070329	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/6/20 21:07:39
Applicant:	奧迪福斯汽車股份有限公司	Test Rating:	DC 12V
Product:	Roof Antenna with Bluetooth Low Energy	Temp.(°C)/Hum.(%)	20(°C)/56%
Model No.:	DDAECE01	Test Engineer:	Kevin.Kuo
Test Mode:	TX-2440		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	20014.500	4.05	43.33	47.38	74.00	-26.62	peak	100	139	



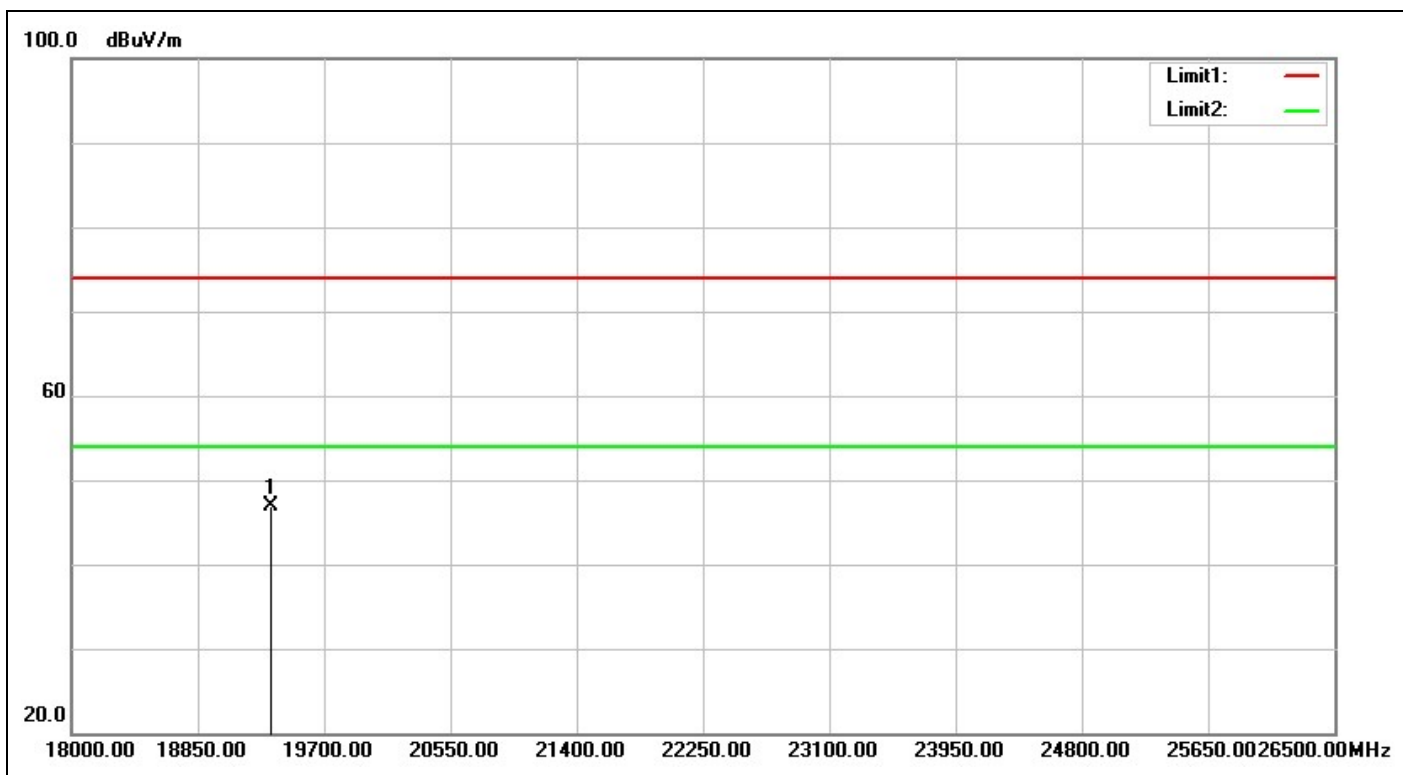
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Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/6/20 21:08:42
Applicant:	奧迪福斯汽車股份有限公司	Test Rating:	DC 12V
Product:	Roof Antenna with Bluetooth Low Energy	Temp.(°C)/Hum.(%):	20(°C)/56%
Model No.:	DDAECE01	Test Engineer:	Kevin.Kuo
Test Mode:	TX-2440		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22853.500	4.87	42.53	47.40	74.00	-26.60	peak	100	360	



Service No.:	114070329	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/6/20 21:10:00
Applicant:	奧迪福斯汽車股份有限公司	Test Rating:	DC 12V
Product:	Roof Antenna with Bluetooth Low Energy	Temp.(°C)/Hum.(%):	20(°C)/56%
Model No.:	DDAECE01	Test Engineer:	Kevin.Kuo
Test Mode:	TX-2480		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	24188.000	5.20	41.39	46.59	74.00	-27.41	peak	100	189	



Service No.:	114070329	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/6/20 21:11:03
Applicant:	奧迪福斯汽車股份有限公司	Test Rating:	DC 12V
Product:	Roof Antenna with Bluetooth Low Energy	Temp.(°C)/Hum.(%):	20(°C)/56%
Model No.:	DDAECE01	Test Engineer:	Kevin.Kuo
Test Mode:	TX-2480		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19343.000	3.79	43.12	46.91	74.00	-27.09	peak	100	285	

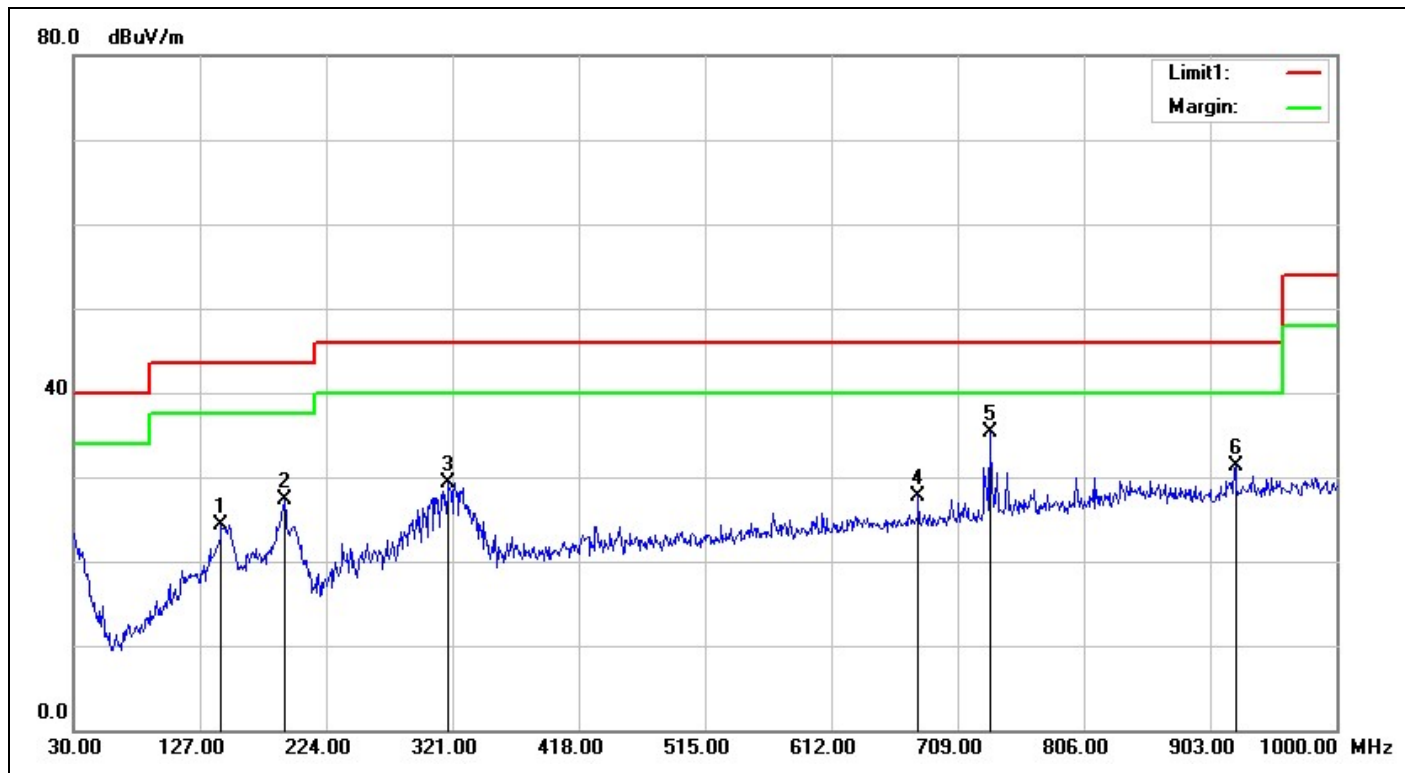
Spurious Emissions, TX Mode, 30M-1G



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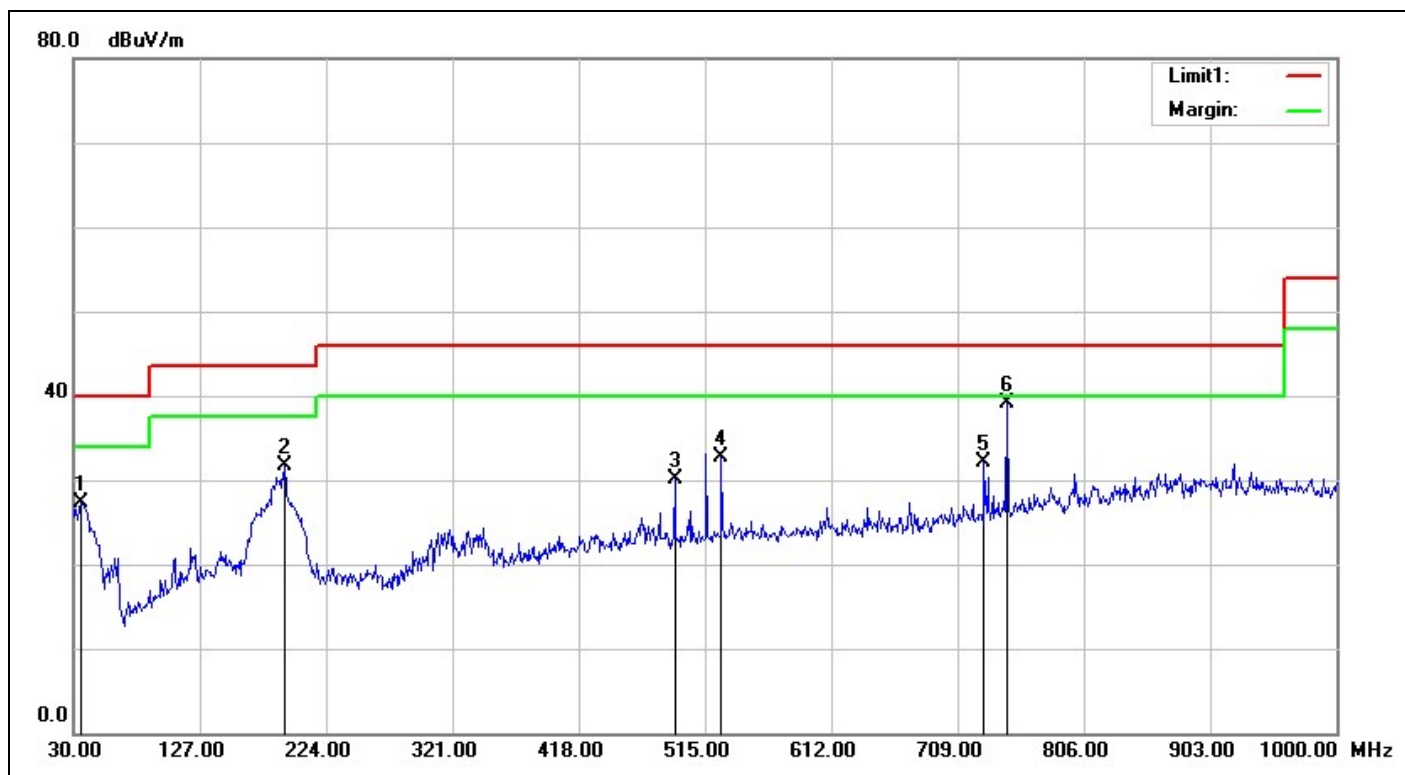
Tel:+886-2172-7000 fax:+886-2528-0018



Service No.:	114070329	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/6/20 21:30:02
Applicant:	奧迪福斯汽車股份有限公司	Test Rating:	DC 12V
Product:	Roof Antenna with Bluetooth Low Energy	Temp.(°C)/Hum.(%)	20(°C)/56%
Model No.:	DDAECE01	Test Engineer:	Kevin.Kuo
Test Mode:	TX-2440		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	143.4900	-7.97	32.36	24.39	43.50	-19.11	QP	100	139	
2	191.9900	-10.41	37.71	27.30	43.50	-16.20	QP	100	142	
3	318.0899	-5.39	34.70	29.31	46.00	-16.69	QP	100	142	
4	678.9299	-0.89	28.54	27.65	46.00	-18.35	QP	100	96	
5	734.2199	0.11	35.20	35.31	46.00	-10.69	QP	100	62	
6	922.3999	2.61	28.67	31.28	46.00	-14.72	QP	100	107	

Spurious Emissions, RX Mode, 18-26G



Service No.:	114070329	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/6/20 21:31:06
Applicant:	奧迪福斯汽車股份有限公司	Test Rating:	DC 12V
Product:	Roof Antenna with Bluetooth Low Energy	Temp.(°C)/Hum.(%)	20(°C)/56%
Model No.:	DDAECE01	Test Engineer:	Kevin.Kuo
Test Mode:	TX-2440		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	35.8200	-3.58	30.85	27.27	40.00	-12.73	QP	100	163	
2	191.9900	-10.41	42.21	31.80	43.50	-11.70	QP	100	197	
3	491.7200	-2.89	32.93	30.04	46.00	-15.96	QP	100	184	
4	527.6100	-2.42	35.21	32.79	46.00	-13.21	QP	100	35	
5	729.3700	0.02	32.01	32.03	46.00	-13.97	QP	100	144	
6	746.8300	0.38	38.63	39.01	46.00	-6.99	QP	100	152	

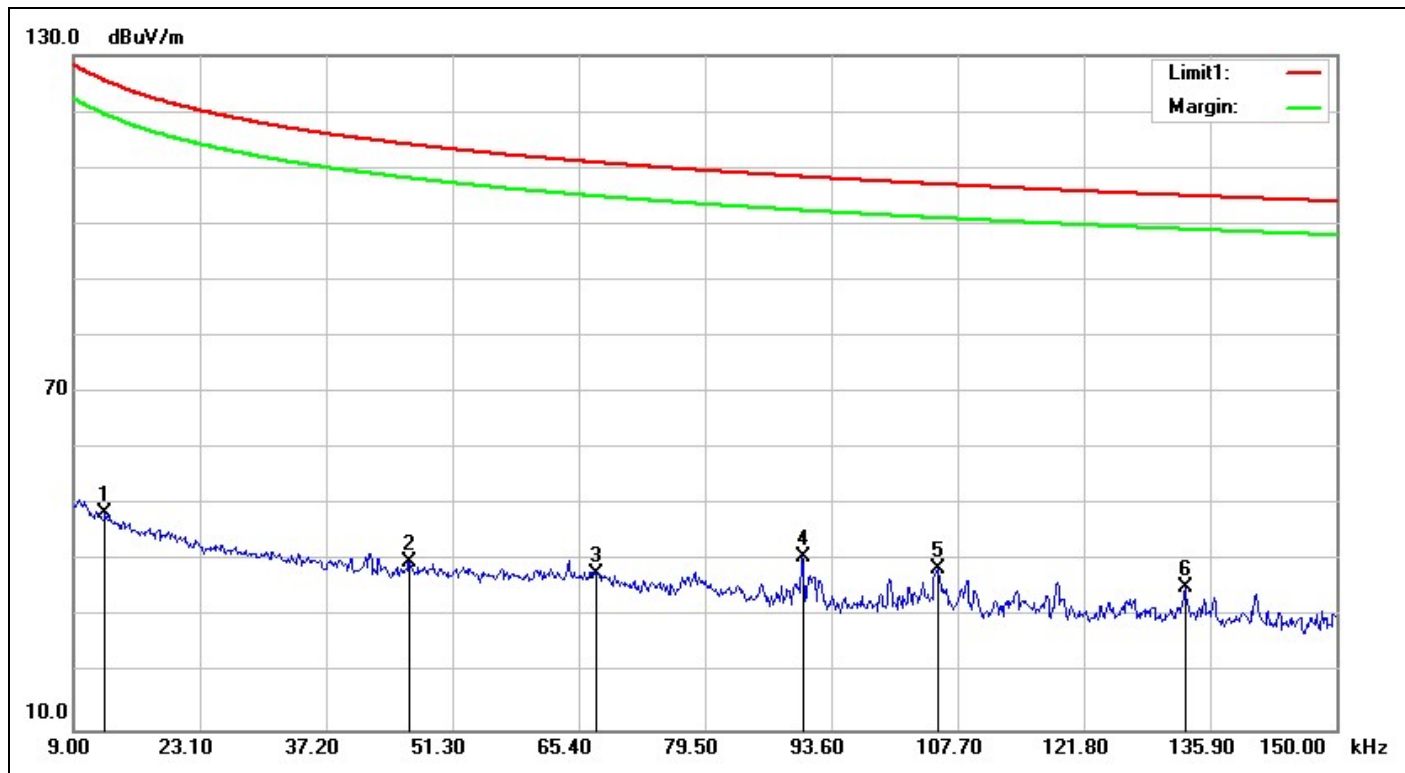
Spurious Emissions, TX Mode, 9k-30M



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Service No.:	114070329	Test Distance:	3m
Test Standard:	NCC2.8_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2018/6/26 21:37:08
Applicant:	奧迪福斯汽車股份有限公司	Test Rating:	DC 12V
Product:	Roof Antenna with Bluetooth Low Energy	Temp.(°C)/Hum.(%):	20(°C)/44%
Model No.:	DDAECE01	Test Engineer:	Kevin.Kuo
Test Mode:	TX-2440		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.0125	18.63	29.91	48.54	125.47	-76.93	QP	100	307	
2	0.0464	19.00	20.81	39.81	114.15	-74.34	QP	100	255	
3	0.0674	18.72	19.11	37.83	110.92	-73.09	QP	100	21	
4	0.0904	18.45	22.20	40.65	108.39	-67.74	QP	100	147	
5	0.1054	18.33	20.18	38.51	107.06	-68.55	QP	100	223	
6	0.1331	18.35	17.08	35.43	105.05	-69.62	QP	100	201	

Spurious Emissions, RX Mode, 18-26G



Service No.:	114070329	Test Distance:	3m
Test Standard:	NCC2.8_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2018/6/26 21:39:00
Applicant:	奧迪福斯汽車股份有限公司	Test Rating:	DC 12V
Product:	Roof Antenna with Bluetooth Low Energy	Temp.(°C)/Hum.(%):	20(°C)/44%
Model No.:	DDAECE01	Test Engineer:	Kevin.Kuo
Test Mode:	TX-2440		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.1500	18.35	31.44	49.79	104.02	-54.23	QP	100	120	
2	1.4633	18.64	24.90	43.54	64.32	-20.78	QP	100	114	
3	3.4932	18.75	15.67	34.42	69.50	-35.08	QP	100	208	
4	9.8214	20.39	15.45	35.84	69.50	-33.66	QP	100	135	
5	12.8959	20.76	15.54	36.30	69.50	-33.20	QP	100	2	
6	22.4181	21.67	20.06	41.73	69.50	-27.77	QP	100	55	

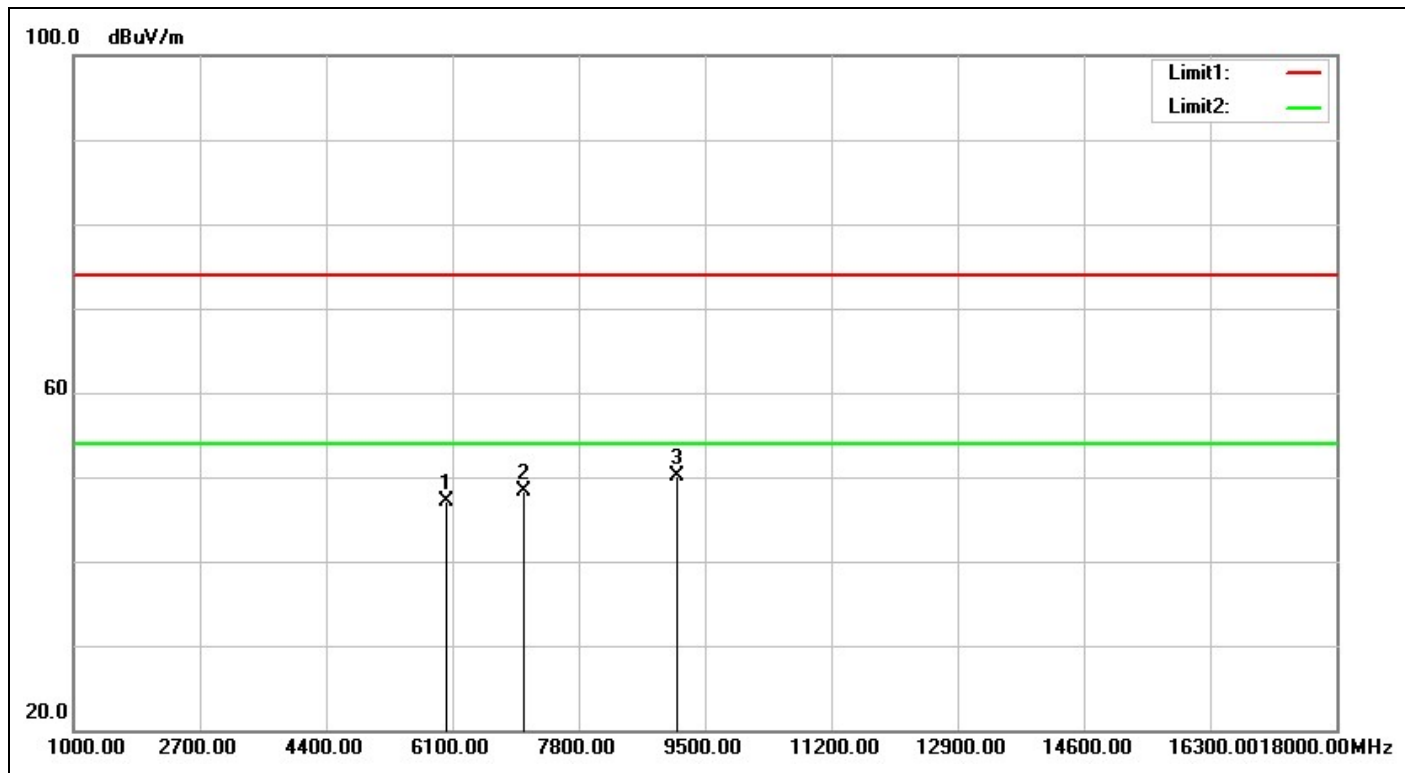
Spurious Emissions, RX Mode, 1-18G



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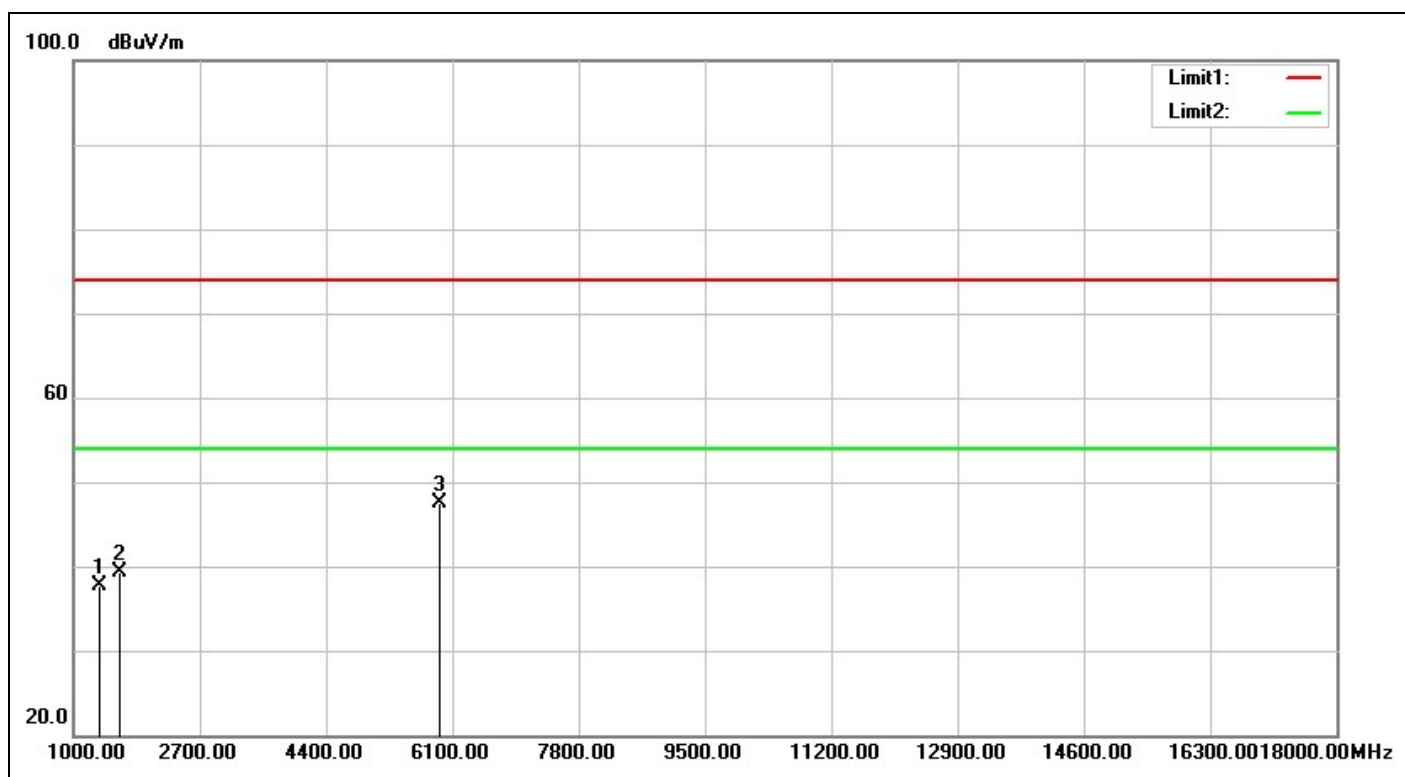
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Service No.:	114070329	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/6/20 20:46:02
Applicant:	奧迪福斯汽車股份有限公司	Test Rating:	DC 12V
Product:	Roof Antenna with Bluetooth Low Energy	Temp.(°C)/Hum.(%):	20(°C)/56%
Model No.:	DDAECE01	Test Engineer:	Kevin.Kuo
Test Mode:	RX-2402		
Remark:			

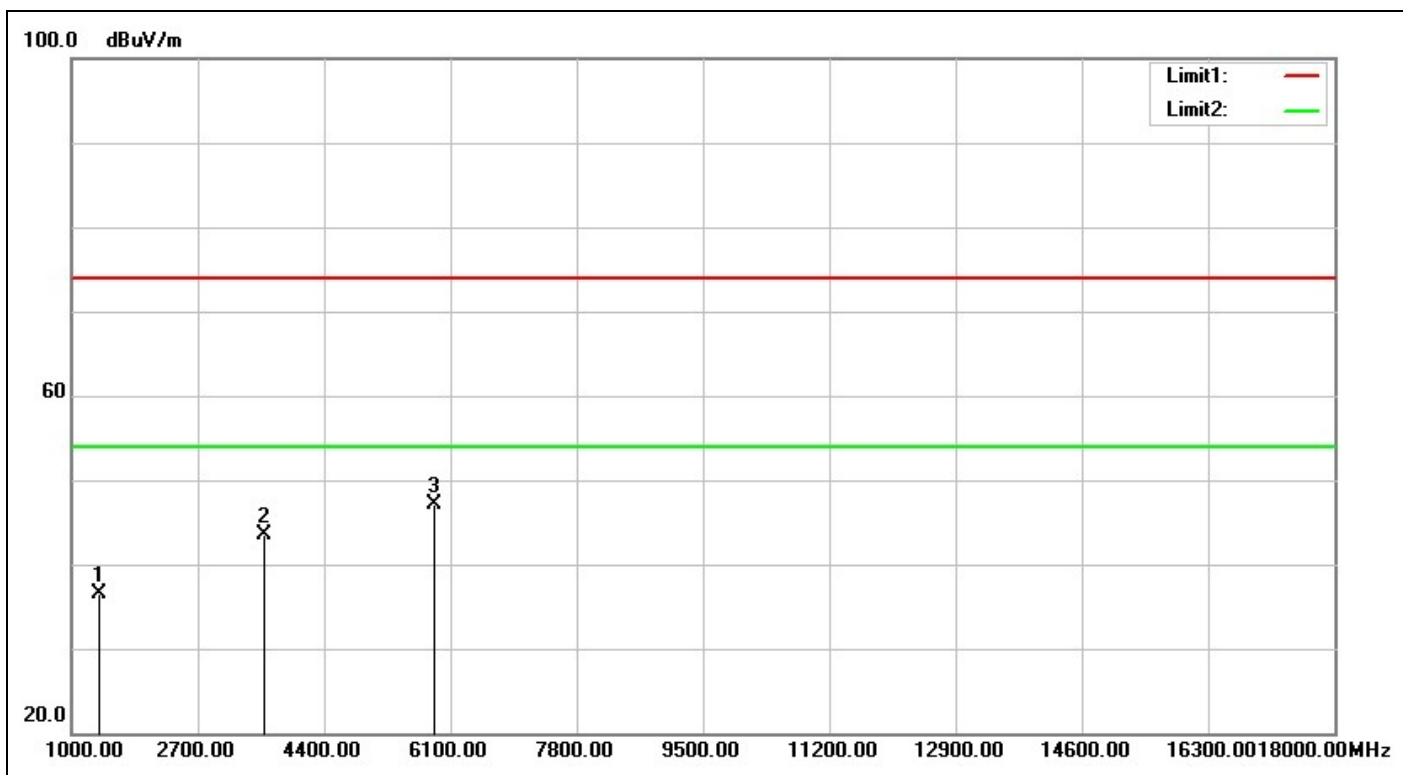
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	6015.000	2.45	44.75	47.20	74.00	-26.80	peak	100	359	
2	7069.000	3.99	44.29	48.28	74.00	-25.72	peak	100	100	
3	9126.000	5.63	44.57	50.20	74.00	-23.80	peak	100	195	

Spurious Emissions, RX Mode, 18-26G



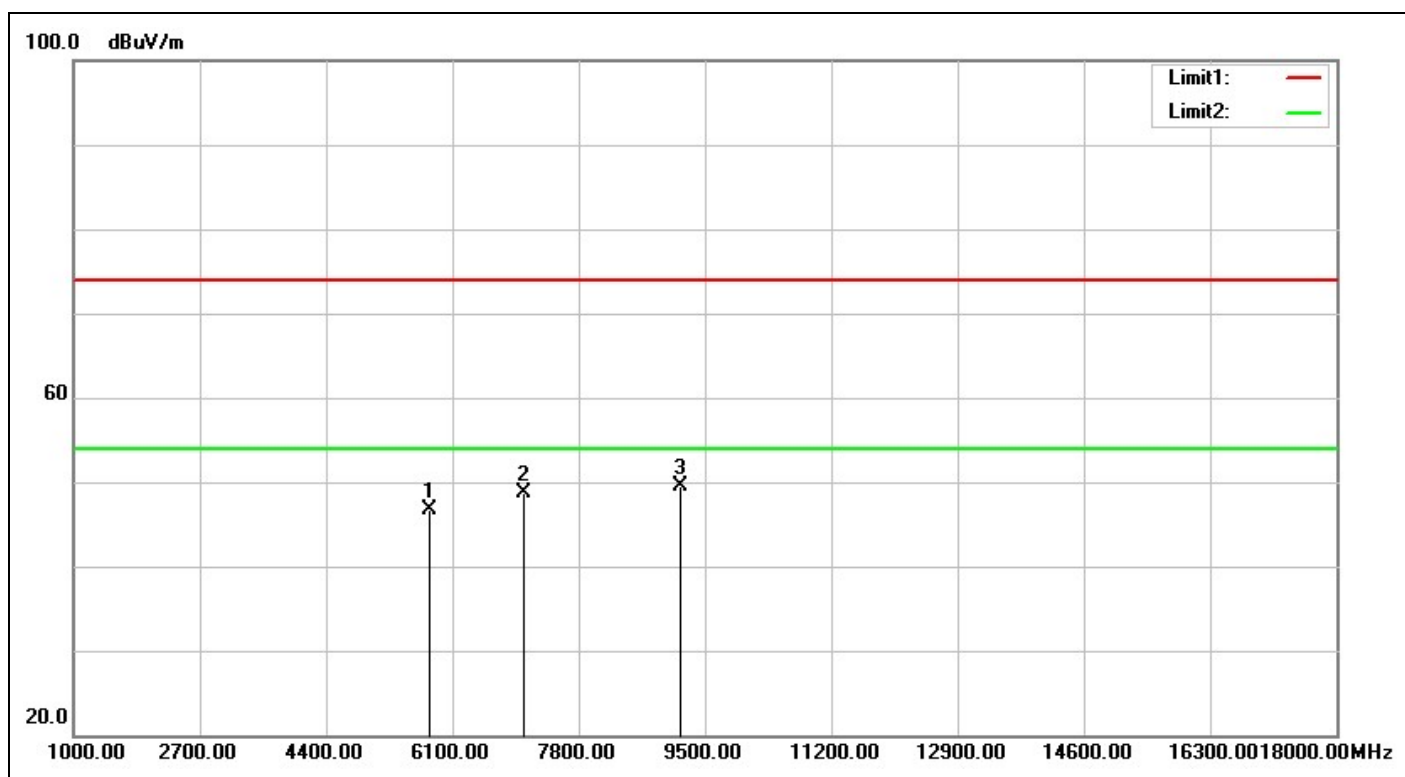
Service No.:	114070329	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/6/20 20:47:05
Applicant:	奧迪福斯汽車股份有限公司	Test Rating:	DC 12V
Product:	Roof Antenna with Bluetooth Low Energy	Temp.(°C)/Hum.(%)	20(°C)/56%
Model No.:	DDAECE01	Test Engineer:	Kevin.Kuo
Test Mode:	RX-2402		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1357.000	-11.17	48.97	37.80	74.00	-36.20	peak	100	121	
2	1629.000	-10.54	49.88	39.34	74.00	-34.66	peak	100	166	
3	5930.000	1.93	45.67	47.60	74.00	-26.40	peak	100	2	



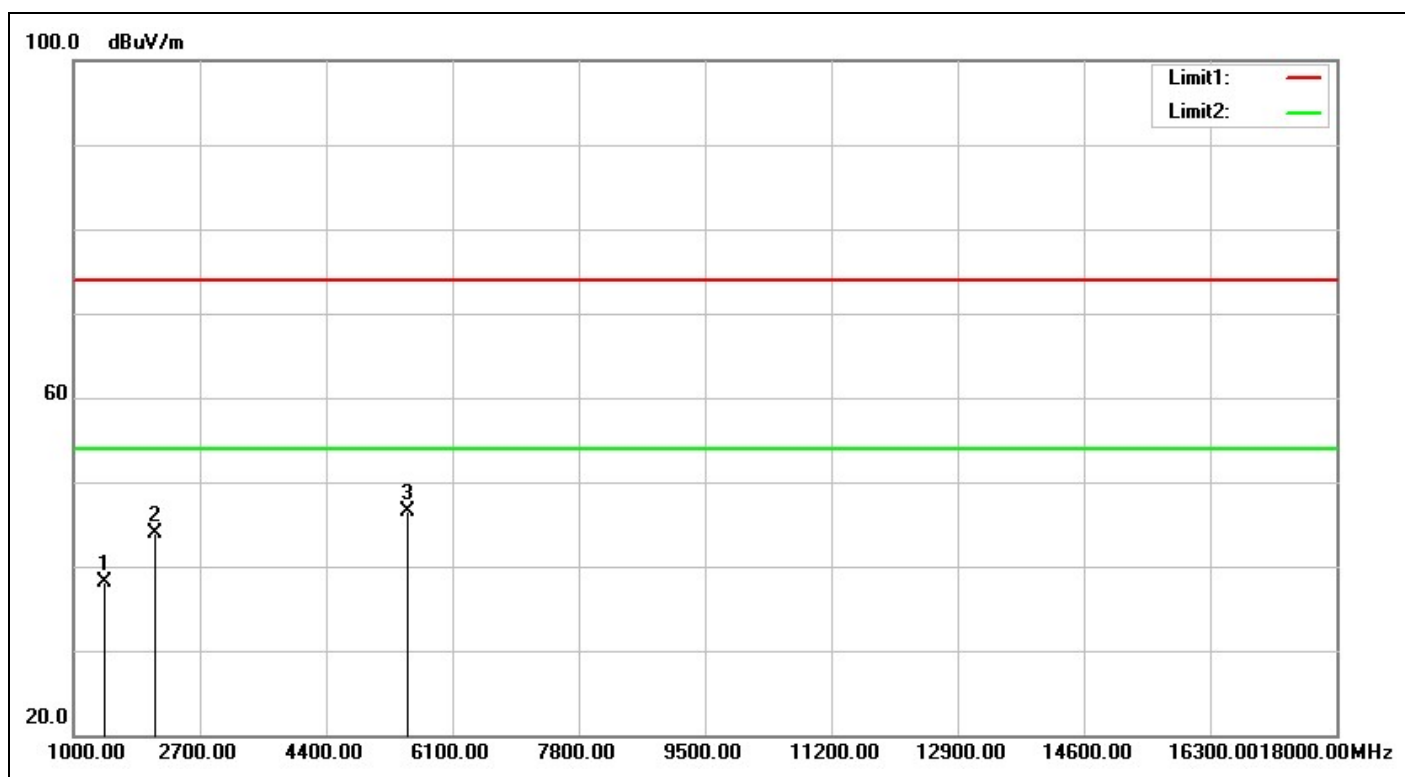
Service No.:	114070329	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/6/20 20:48:45
Applicant:	奧迪福斯汽車股份有限公司	Test Rating:	DC 12V
Product:	Roof Antenna with Bluetooth Low Energy	Temp.(°C)/Hum.(%)	20(°C)/56%
Model No.:	DDAECE01	Test Engineer:	Kevin.Kuo
Test Mode:	RX-2440		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1374.000	-11.19	47.60	36.41	74.00	-37.59	peak	100	153	
2	3601.000	-6.45	50.04	43.59	74.00	-30.41	peak	100	325	
3	5879.000	1.61	45.55	47.16	74.00	-26.84	peak	100	48	



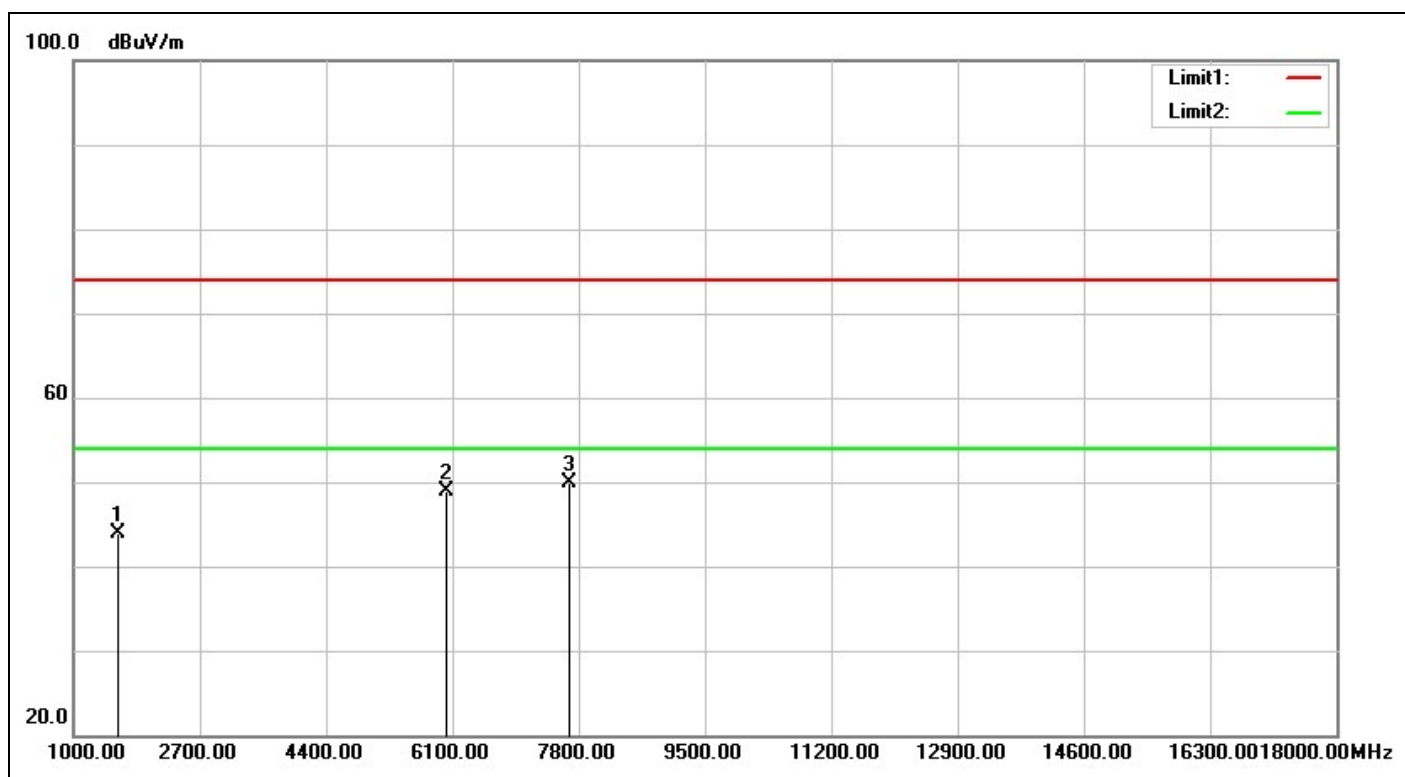
Service No.:	114070329	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/6/20 20:49:48
Applicant:	奧迪福斯汽車股份有限公司	Test Rating:	DC 12V
Product:	Roof Antenna with Bluetooth Low Energy	Temp.(°C)/Hum.(%)	20(°C)/56%
Model No.:	DDAECE01	Test Engineer:	Kevin.Kuo
Test Mode:	RX-2440		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	5794.000	1.07	45.68	46.75	74.00	-27.25	peak	100	257	
2	7069.000	3.99	44.76	48.75	74.00	-25.25	peak	100	180	
3	9177.000	5.62	43.83	49.45	74.00	-24.55	peak	100	252	



Service No.:	114070329	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/6/20 20:51:23
Applicant:	奧迪福斯汽車股份有限公司	Test Rating:	DC 12V
Product:	Roof Antenna with Bluetooth Low Energy	Temp.(°C)/Hum.(%)	20(°C)/56%
Model No.:	DDAECE01	Test Engineer:	Kevin.Kuo
Test Mode:	RX-2480		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1408.000	-11.26	49.31	38.05	74.00	-35.95	peak	100	299	
2	2105.000	-8.00	51.82	43.82	74.00	-30.18	peak	100	274	
3	5505.000	-0.76	47.22	46.46	74.00	-27.54	peak	100	20	



Service No.:	114070329	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/6/20 20:52:26
Applicant:	奧迪福斯汽車股份有限公司	Test Rating:	DC 12V
Product:	Roof Antenna with Bluetooth Low Energy	Temp.(°C)/Hum.(%)	20(°C)/56%
Model No.:	DDAECE01	Test Engineer:	Kevin.Kuo
Test Mode:	RX-2480		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	1595.000	-10.77	54.61	43.84	74.00	-30.16	peak	100	180	
2	6015.000	2.45	46.49	48.94	74.00	-25.06	peak	100	252	
3	7681.000	4.93	44.99	49.92	74.00	-24.08	peak	100	249	

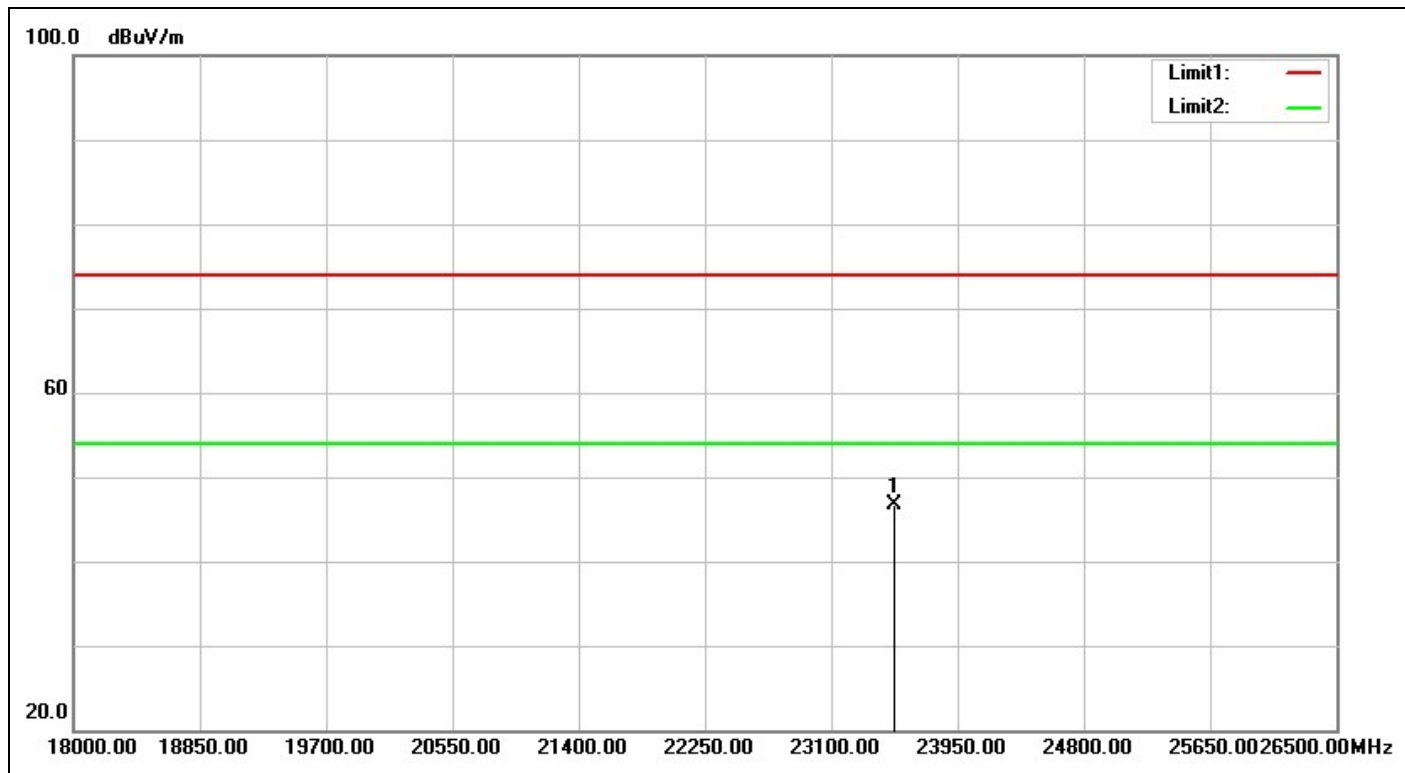
Spurious Emissions, RX Mode, 18-26G



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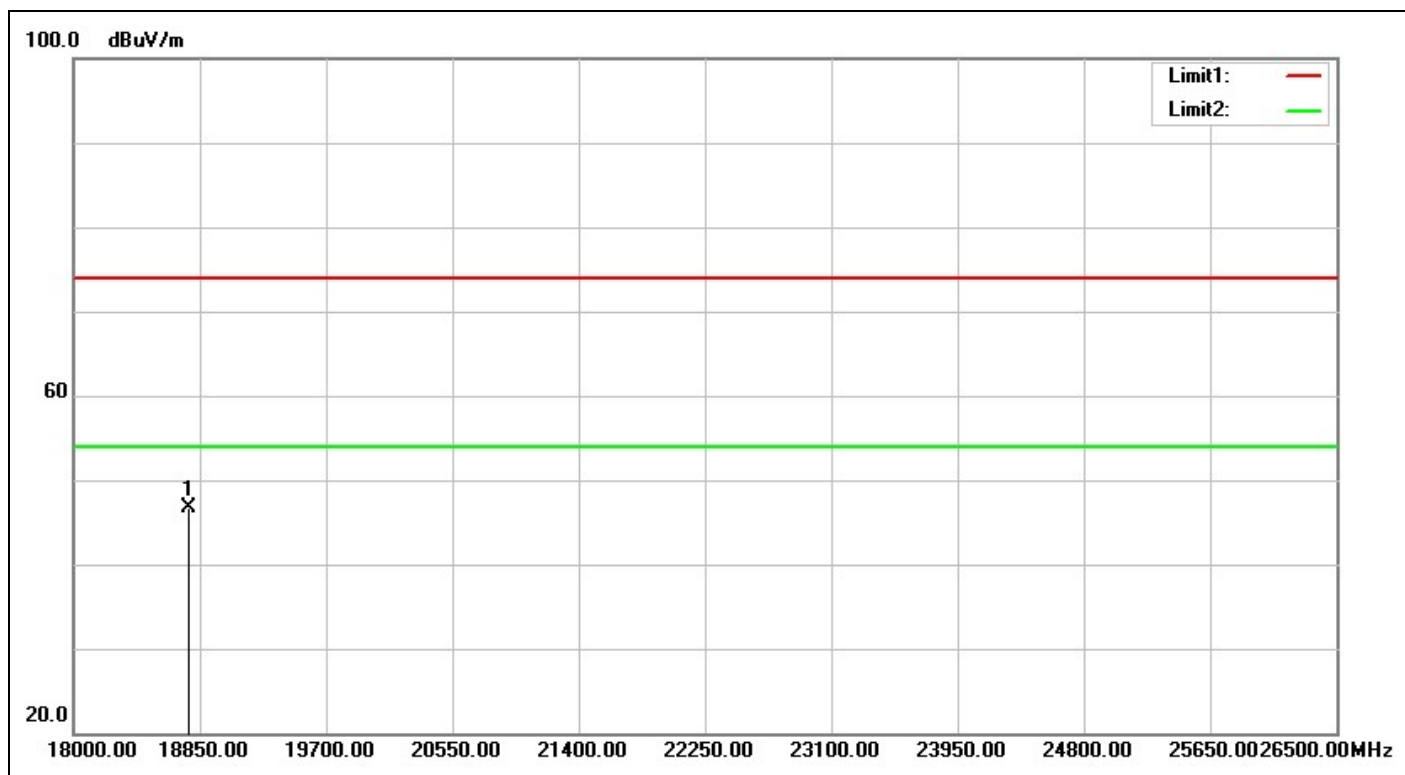
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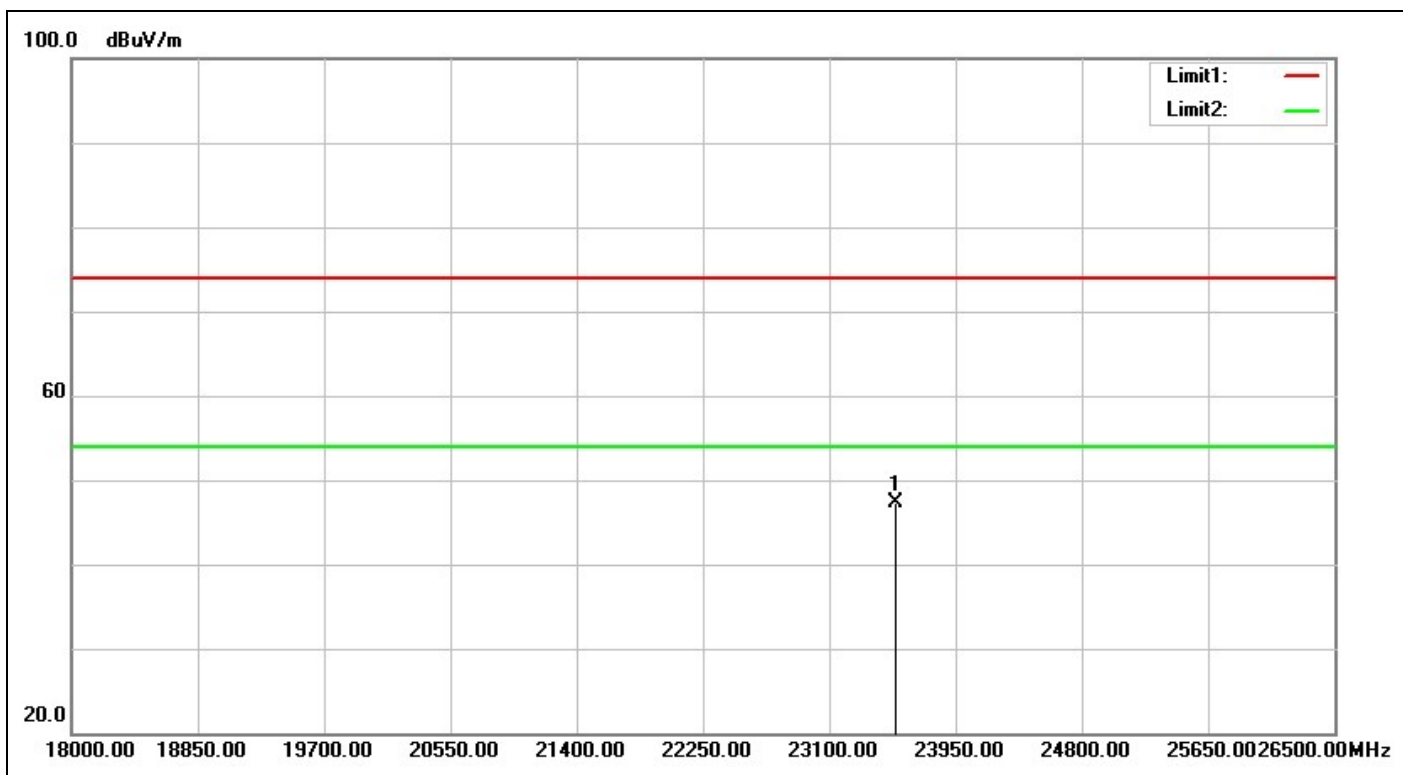
Service No.:	114070329	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/6/20 21:12:47
Applicant:	奧迪福斯汽車股份有限公司	Test Rating:	DC 12V
Product:	Roof Antenna with Bluetooth Low Energy	Temp.(°C)/Hum.(%)	20(°C)/56%
Model No.:	DDAECE01	Test Engineer:	Kevin.Kuo
Test Mode:	RX-2402		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23525.000	5.58	41.20	46.78	74.00	-27.22	peak	100	106	



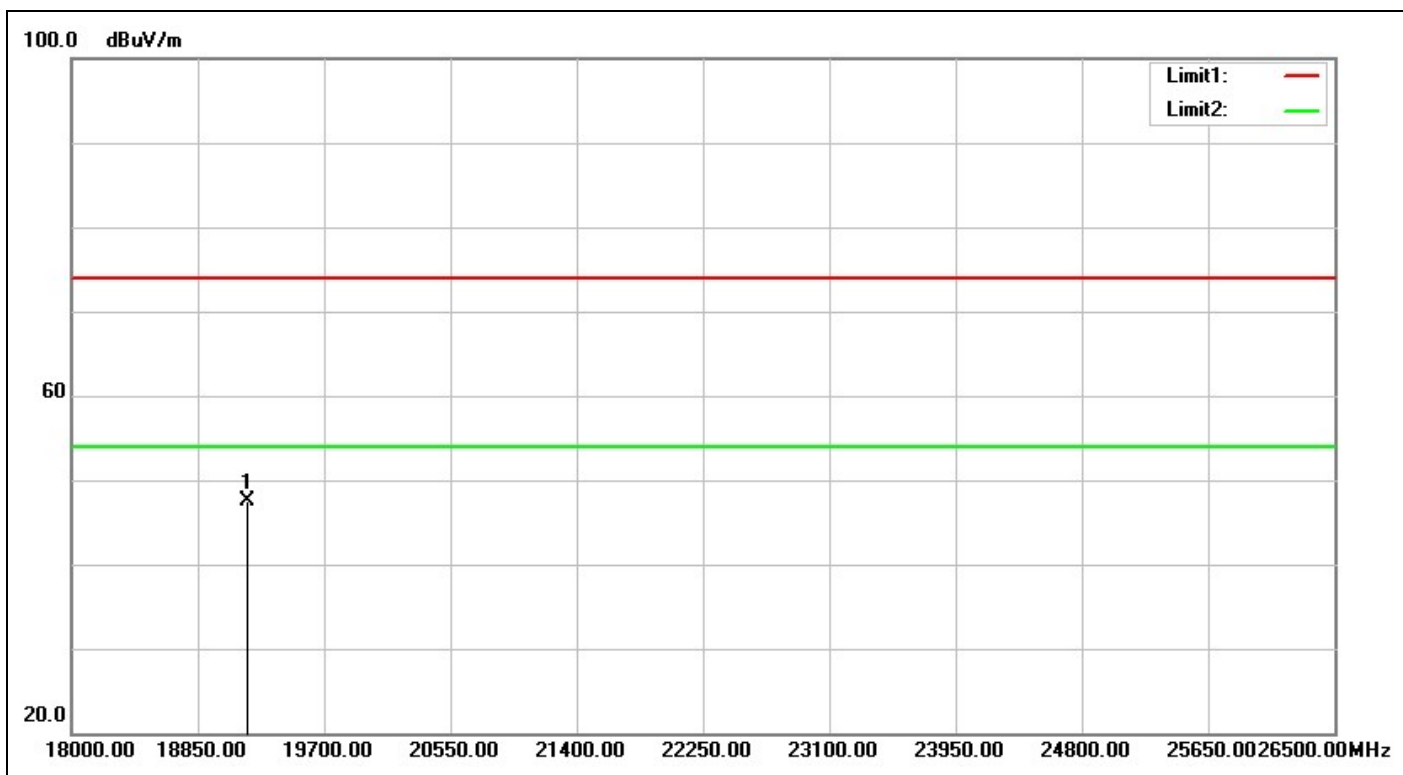
Service No.:	114070329	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/6/20 21:13:50
Applicant:	奧迪福斯汽車股份有限公司	Test Rating:	DC 12V
Product:	Roof Antenna with Bluetooth Low Energy	Temp.(°C)/Hum.(%):	20(°C)/56%
Model No.:	DDAECE01	Test Engineer:	Kevin.Kuo
Test Mode:	RX-2402		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	18773.500	4.12	42.54	46.66	74.00	-27.34	peak	100	67	



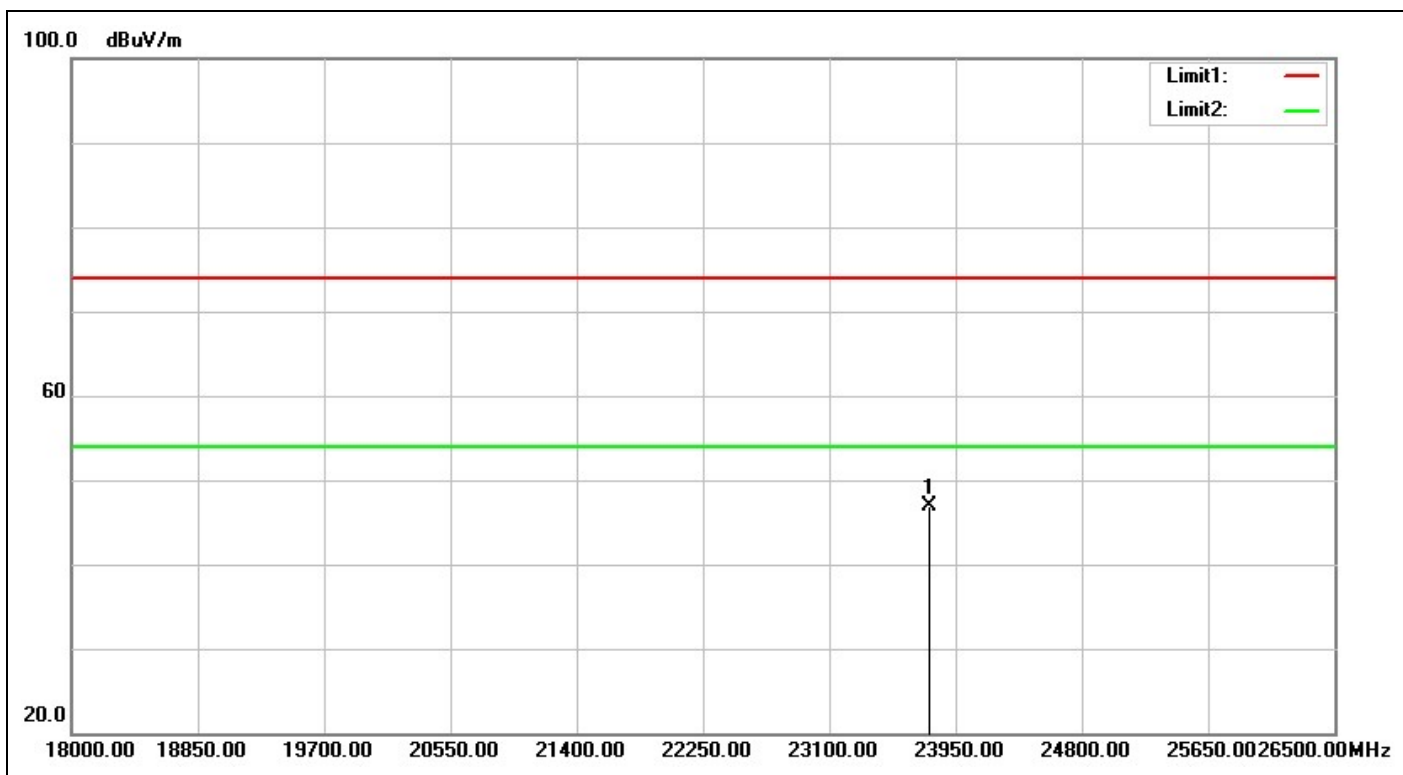
Service No.:	114070329	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/6/20 21:15:24
Applicant:	奧迪福斯汽車股份有限公司	Test Rating:	DC 12V
Product:	Roof Antenna with Bluetooth Low Energy	Temp.(°C)/Hum.(%):	20(°C)/56%
Model No.:	DDAECE01	Test Engineer:	Kevin.Kuo
Test Mode:	RX-2440		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23542.000	5.57	41.64	47.21	74.00	-26.79	peak	100	269	



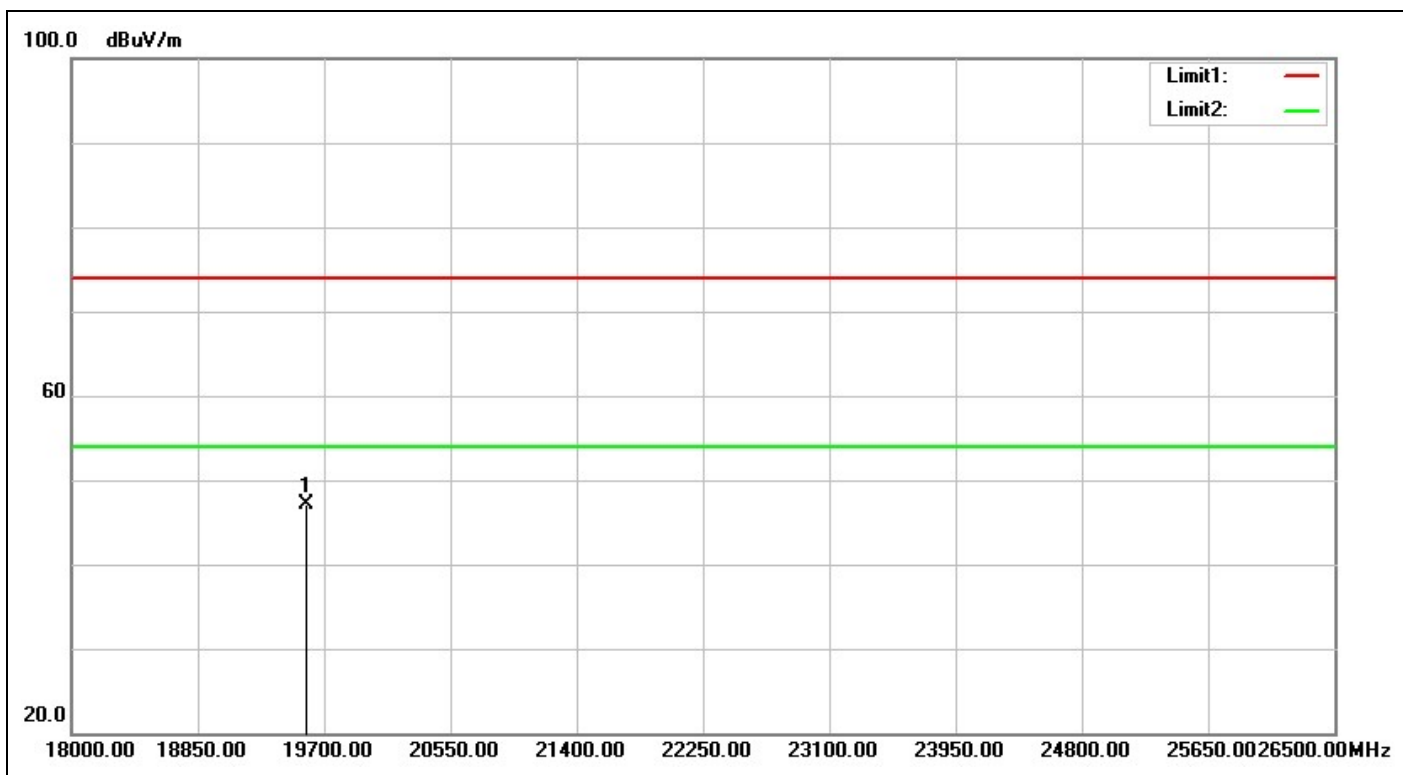
Service No.:	114070329	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/6/20 21:16:27
Applicant:	奧迪福斯汽車股份有限公司	Test Rating:	DC 12V
Product:	Roof Antenna with Bluetooth Low Energy	Temp.(°C)/Hum.(%):	20(°C)/56%
Model No.:	DDAECE01	Test Engineer:	Kevin.Kuo
Test Mode:	RX-2440		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19181.500	4.00	43.42	47.42	74.00	-26.58	peak	100	260	



Service No.:	114070329	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/6/20 21:17:43
Applicant:	奧迪福斯汽車股份有限公司	Test Rating:	DC 12V
Product:	Roof Antenna with Bluetooth Low Energy	Temp.(°C)/Hum.(%):	20(°C)/56%
Model No.:	DDAECE01	Test Engineer:	Kevin.Kuo
Test Mode:	RX-2480		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23771.500	5.42	41.39	46.81	74.00	-27.19	peak	100	6	



Service No.:	114070329	Test Distance:	3m
Test Standard:	NCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/6/20 21:18:46
Applicant:	奧迪福斯汽車股份有限公司	Test Rating:	DC 12V
Product:	Roof Antenna with Bluetooth Low Energy	Temp.(°C)/Hum.(%):	20(°C)/56%
Model No.:	DDAECE01	Test Engineer:	Kevin.Kuo
Test Mode:	RX-2480		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19581.000	3.65	43.51	47.16	74.00	-26.84	peak	100	277	

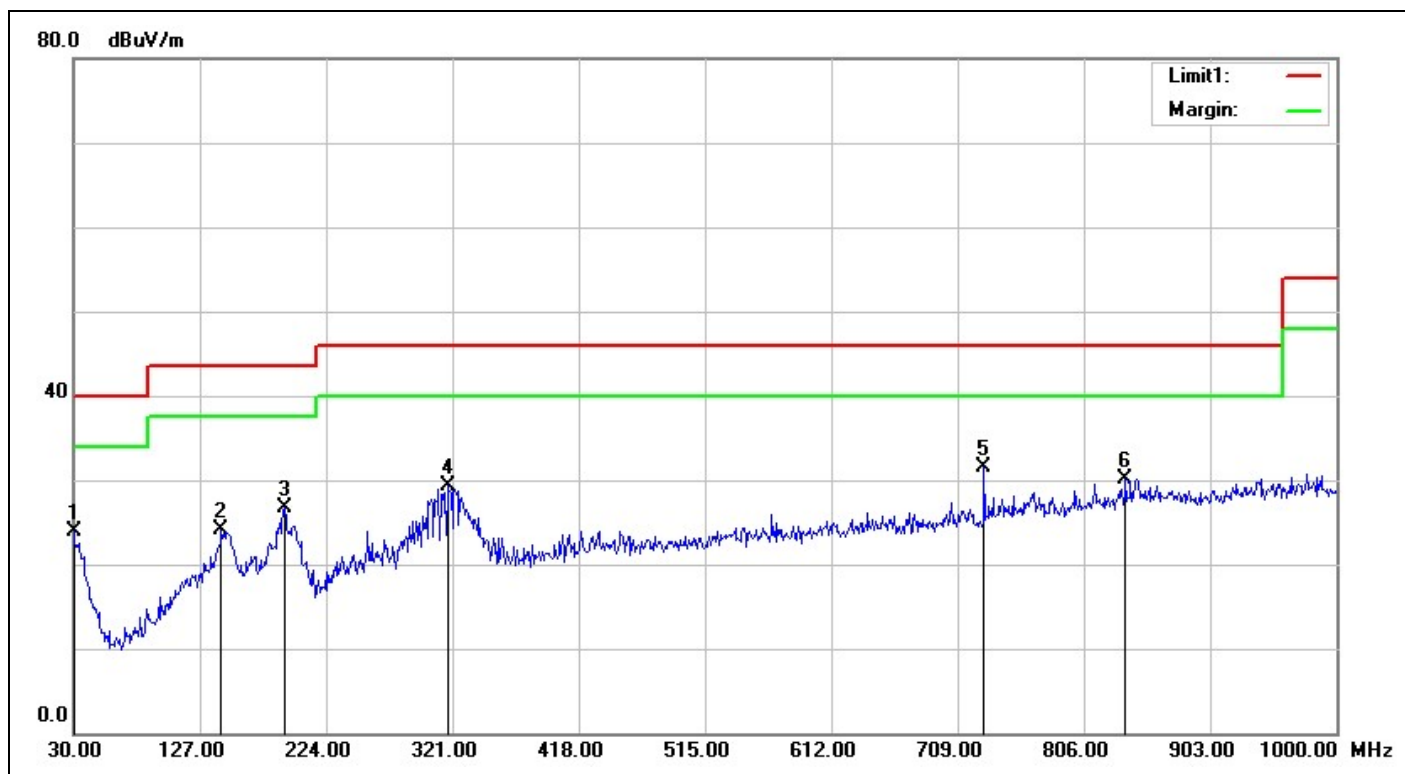
Spurious Emissions, RX Mode, 30M-1G



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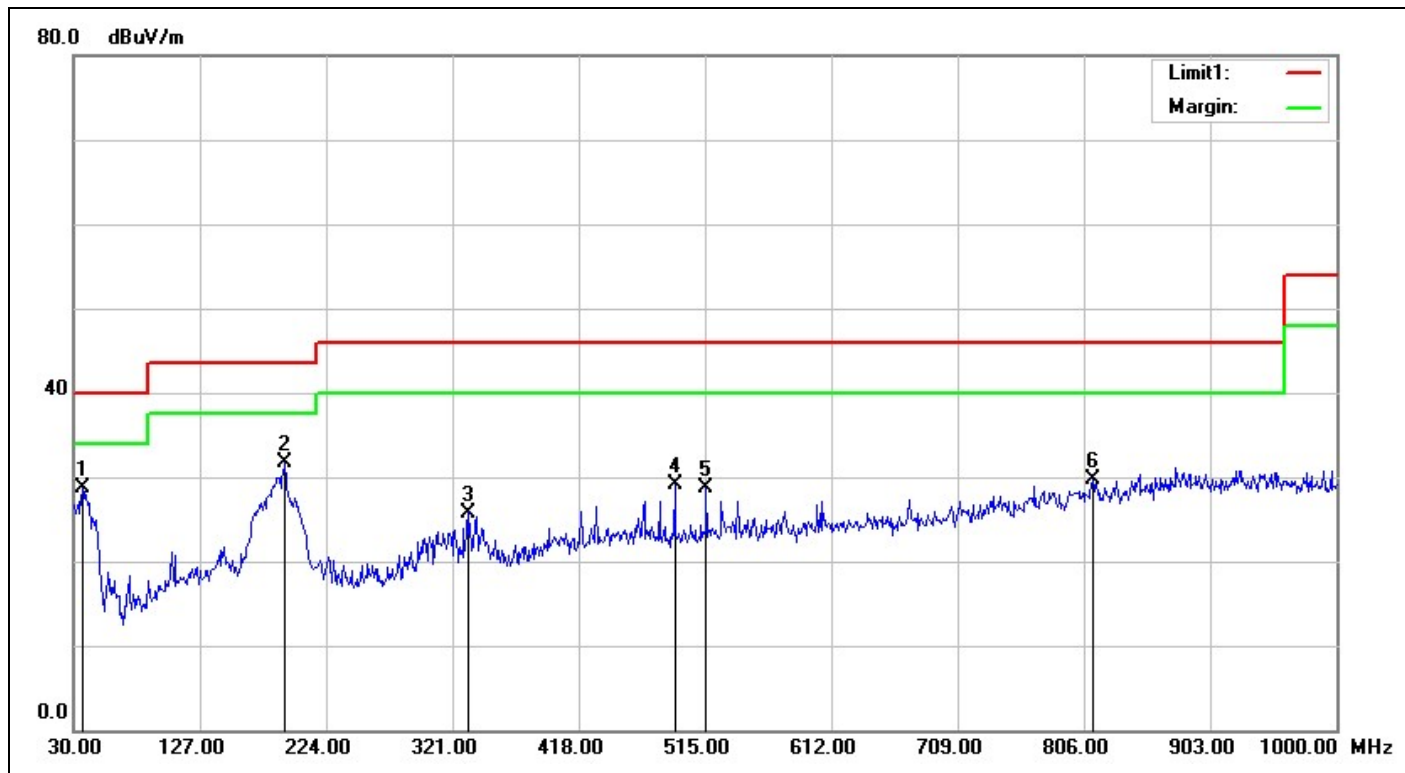
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Service No.:	114070329	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/6/20 21:33:31
Applicant:	奧迪福斯汽車股份有限公司	Test Rating:	DC 12V
Product:	Roof Antenna with Bluetooth Low Energy	Temp.(°C)/Hum.(%):	20(°C)/56%
Model No.:	DDAECE01	Test Engineer:	Kevin.Kuo
Test Mode:	RX-2440		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30.0000	-0.28	24.28	24.00	40.00	-16.00	QP	100	73	
2	143.4900	-7.97	32.01	24.04	43.50	-19.46	QP	100	139	
3	191.9900	-10.41	37.20	26.79	43.50	-16.71	QP	100	147	
4	317.1200	-5.41	34.81	29.40	46.00	-16.60	QP	100	118	
5	729.3700	0.02	31.57	31.59	46.00	-14.41	QP	100	43	
6	838.0099	1.48	28.57	30.05	46.00	-15.95	QP	100	70	

Spurious Emissions, RX Mode, 30M-1G



Service No.:	114070329	Test Distance:	3m
Test Standard:	NCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/6/20 21:34:34
Applicant:	奧迪福斯汽車股份有限公司	Test Rating:	DC 12V
Product:	Roof Antenna with Bluetooth Low Energy	Temp.(°C)/Hum.(%)	20(°C)/56%
Model No.:	DDAECE01	Test Engineer:	Kevin.Kuo
Test Mode:	RX-2440		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	36.7900	-4.11	32.86	28.75	40.00	-11.25	QP	100	125	
2	191.9900	-10.41	42.10	31.69	43.50	-11.81	QP	100	202	
3	332.6400	-5.06	30.86	25.80	46.00	-20.20	QP	100	139	
4	491.7200	-2.89	32.07	29.18	46.00	-16.82	QP	100	64	
5	515.9699	-2.56	31.32	28.76	46.00	-17.24	QP	100	80	
6	812.7900	1.02	28.59	29.61	46.00	-16.39	QP	100	80	

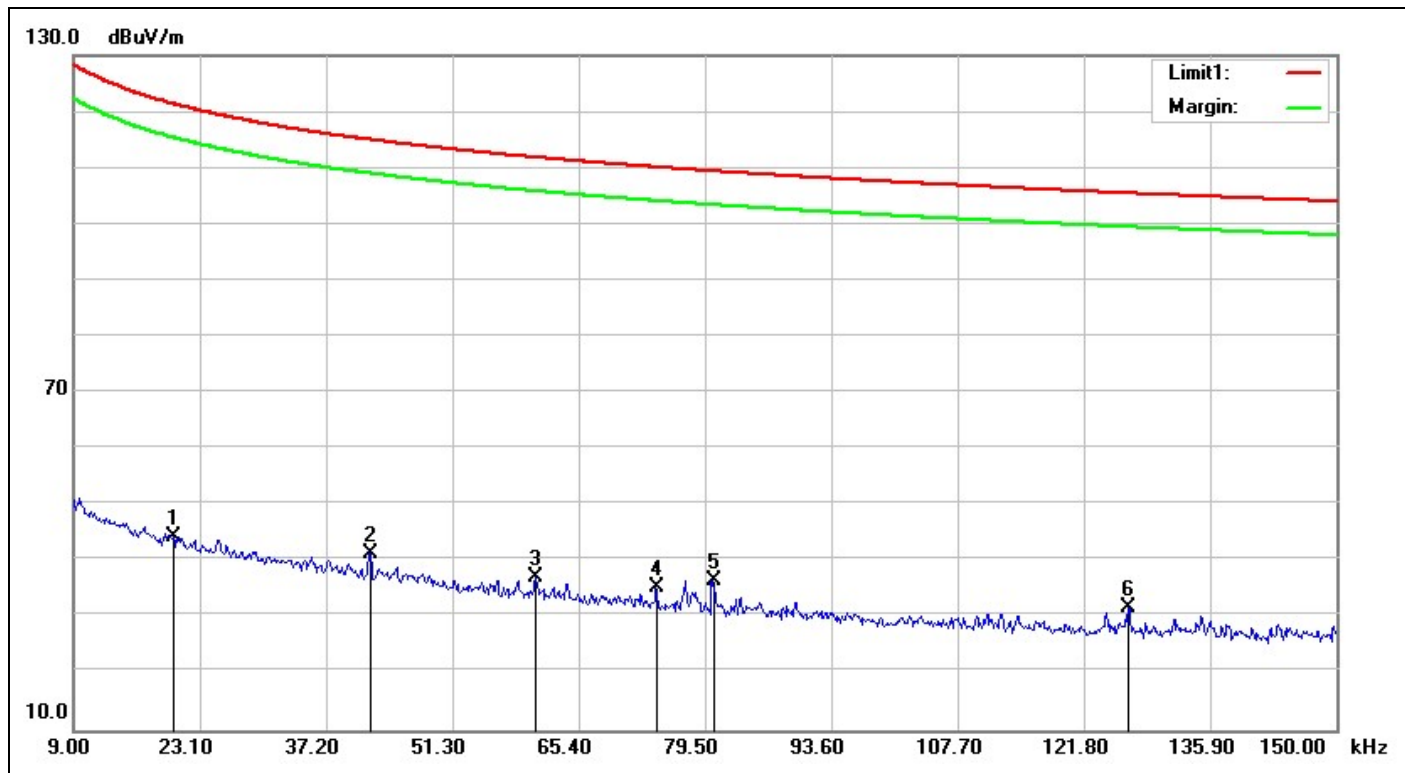
Spurious Emissions, RX Mode, 9K-30M



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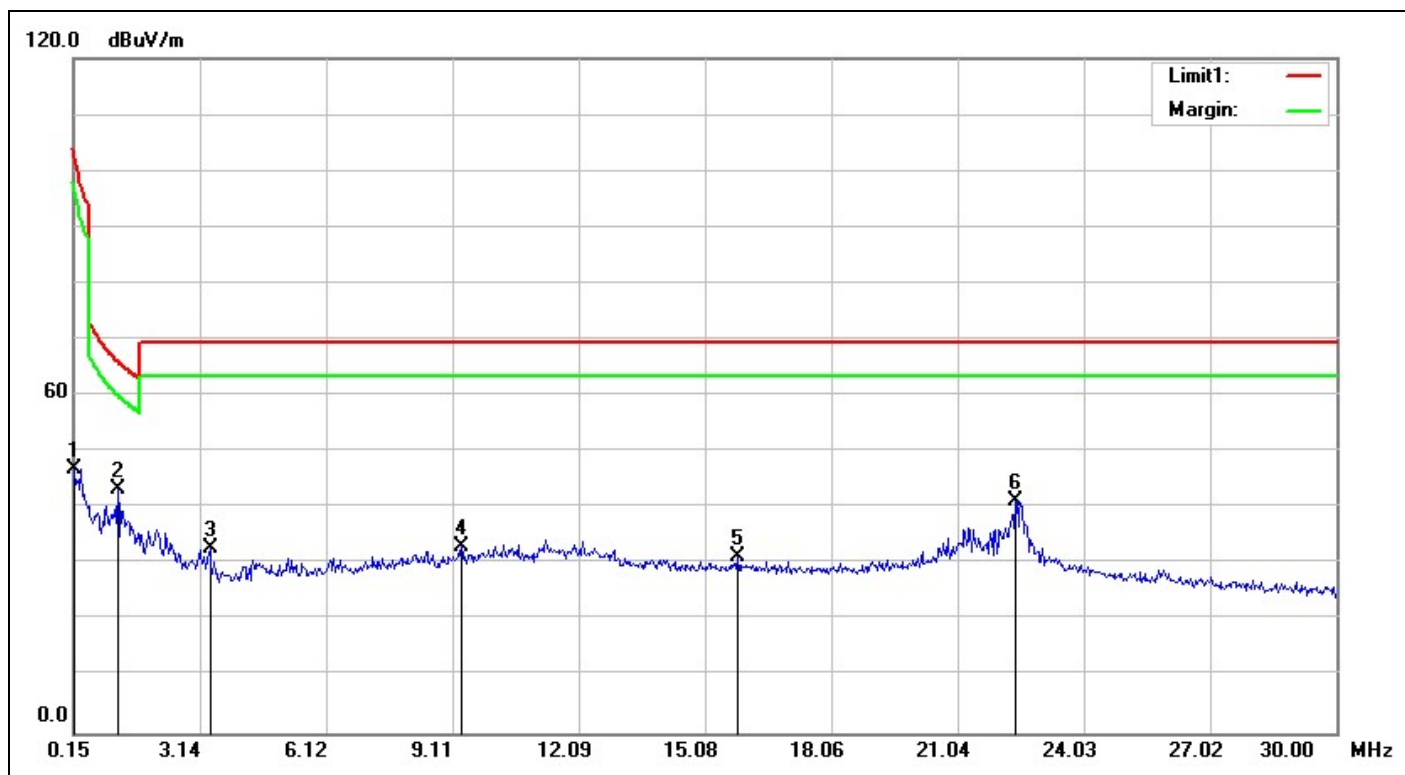
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Service No.:	114070329	Test Distance:	3m
Test Standard:	NCC2.8_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2018/6/26 21:41:35
Applicant:	奧迪福斯汽車股份有限公司	Test Rating:	DC 12V
Product:	Roof Antenna with Bluetooth Low Energy	Temp.(°C)/Hum.(%):	20(°C)/44%
Model No.:	DDAECE01	Test Engineer:	Kevin.Kuo
Test Mode:	RX-2440		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.0200	18.93	25.54	44.47	121.41	-76.94	QP	100	201	
2	0.0421	19.09	22.36	41.45	114.99	-73.54	QP	100	335	
3	0.0606	18.80	18.28	37.08	111.84	-74.76	QP	100	24	
4	0.0740	18.64	16.82	35.46	110.12	-74.66	QP	100	11	
5	0.0803	18.57	17.92	36.49	109.41	-72.92	QP	100	18	
6	0.1267	18.34	13.28	31.62	105.47	-73.85	QP	100	185	

Spurious Emissions, RX Mode, 30M-1G



Service No.:	114070329	Test Distance:	3m
Test Standard:	NCC2.8_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2018/6/26 21:43:18
Applicant:	奧迪福斯汽車股份有限公司	Test Rating:	DC 12V
Product:	Roof Antenna with Bluetooth Low Energy	Temp.(°C)/Hum.(%):	20(°C)/44%
Model No.:	DDAECE01	Test Engineer:	Kevin.Kuo
Test Mode:	RX-2440		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.1500	18.35	28.69	47.04	104.05	-57.01	QP	100	211	
2	1.1947	18.66	24.65	43.31	66.08	-22.77	QP	100	54	
3	3.3738	18.70	14.12	32.82	69.50	-36.68	QP	100	354	
4	9.3139	20.29	13.01	33.30	69.50	-36.20	QP	100	121	
5	15.8511	21.10	10.24	31.34	69.50	-38.16	QP	100	227	
6	22.4181	21.67	19.51	41.18	69.50	-28.32	QP	100	36	