

Test Report No.50126584 001

Appendix D: Radiated and Mains Spurious Emission Data

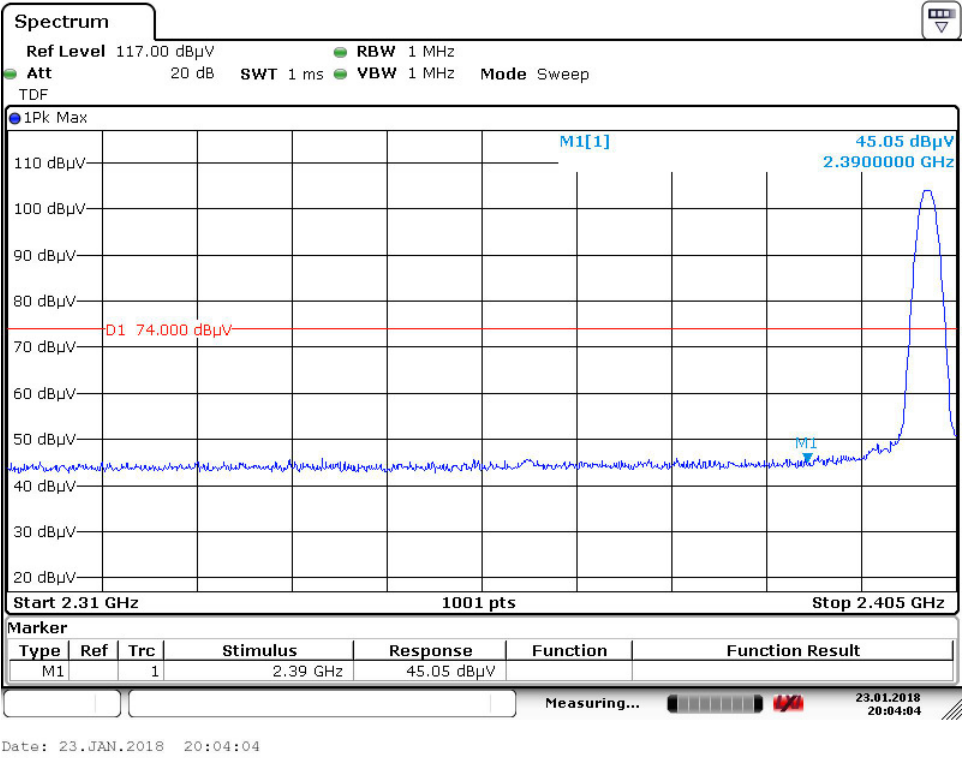
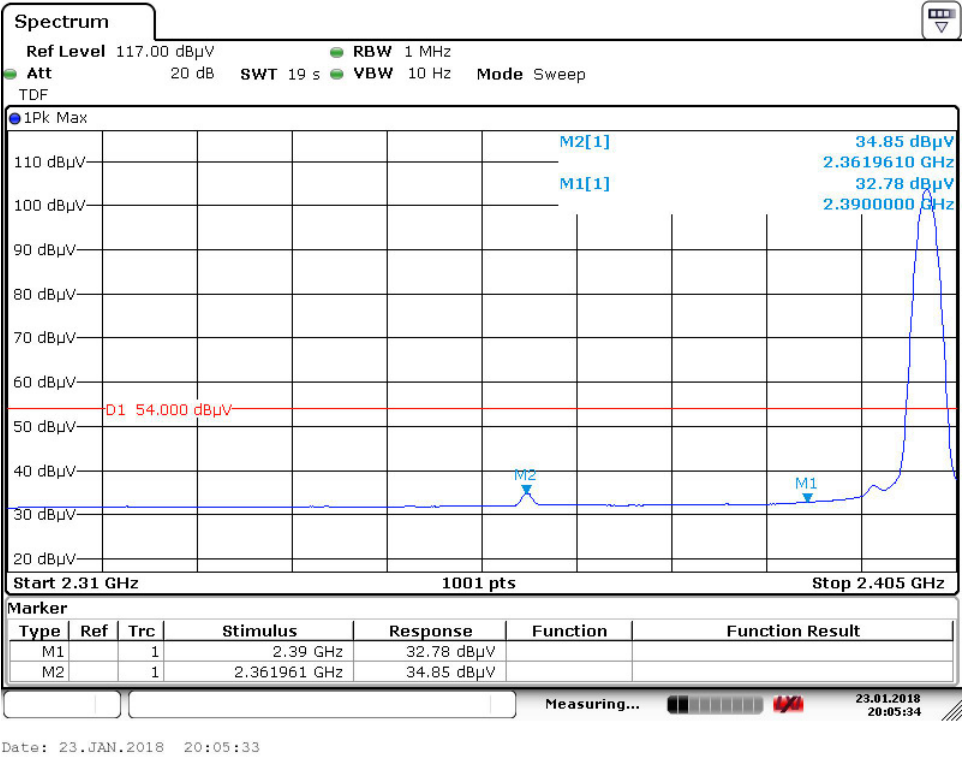
(File: 50126584AppendixD)

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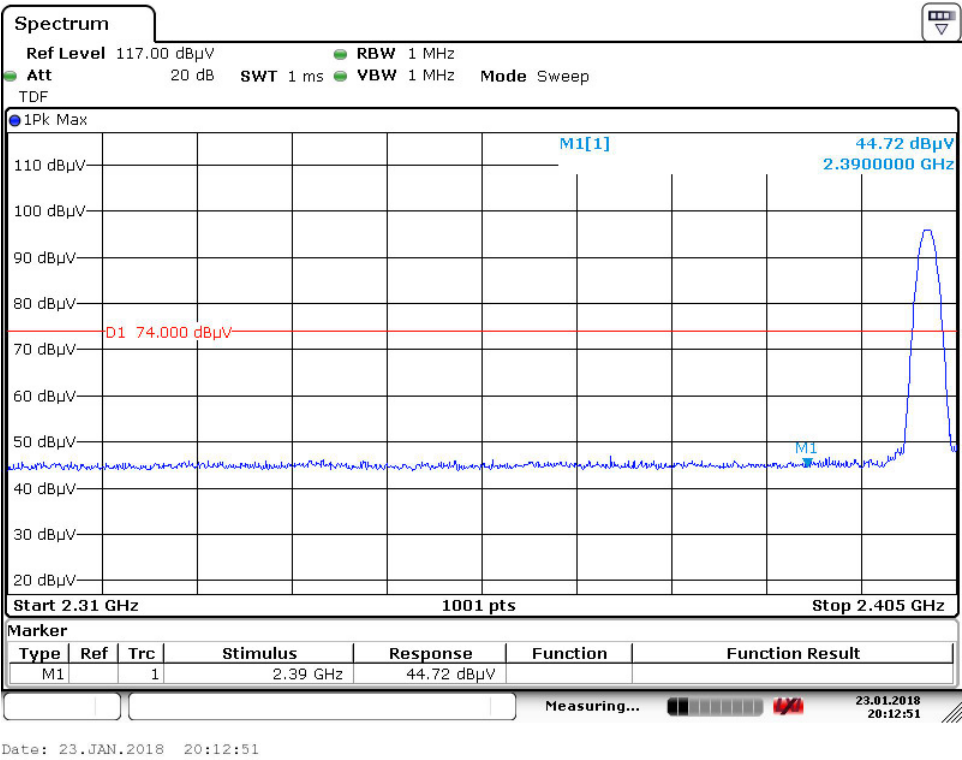
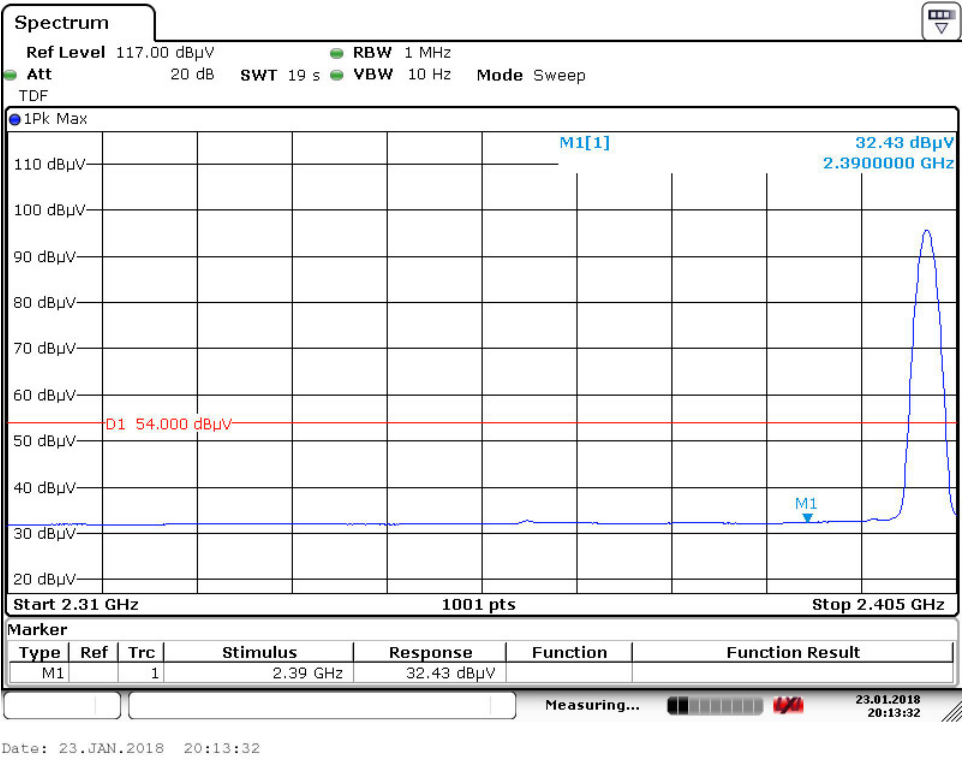
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Radiated Bandedge (GFSK)

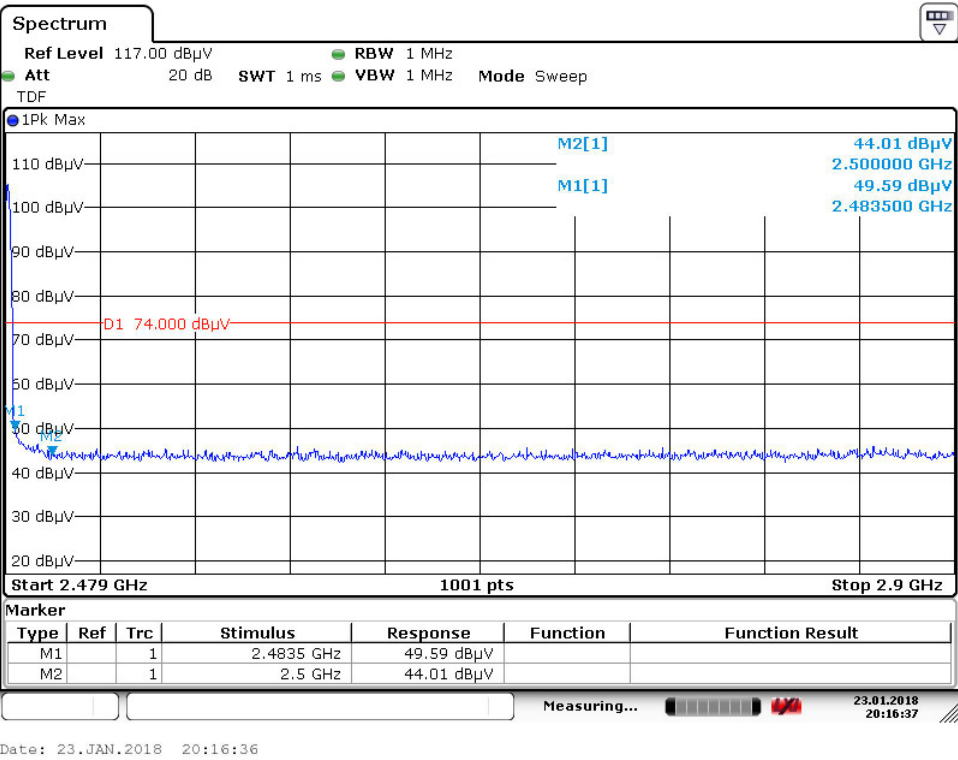
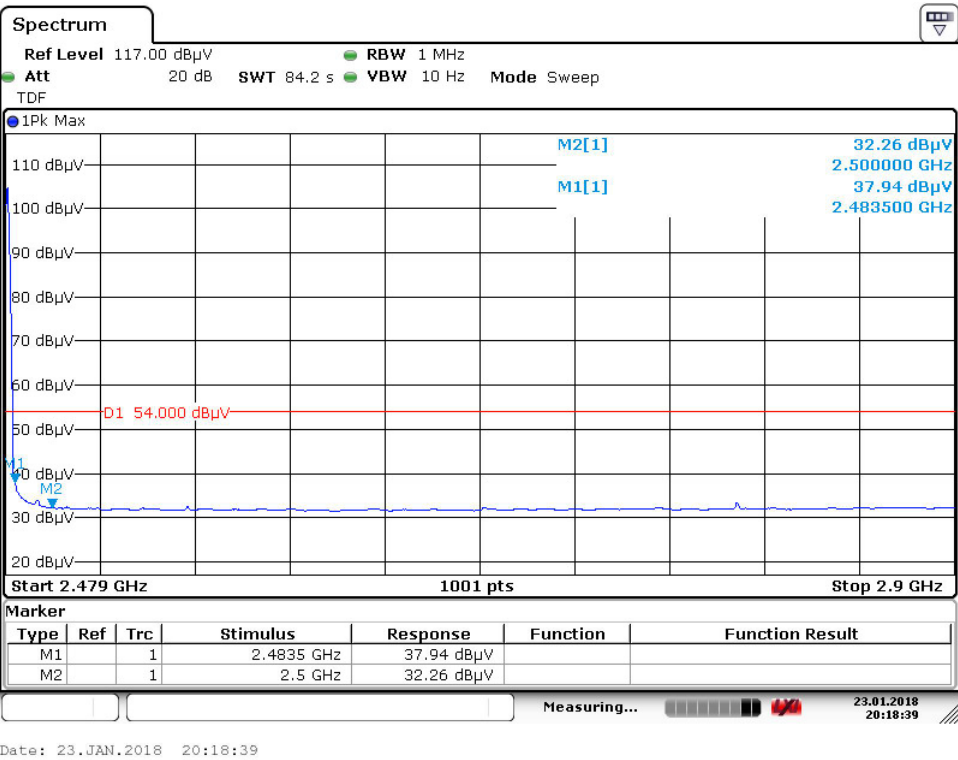
Low Channel (Hor)



Low Channel (Ver)

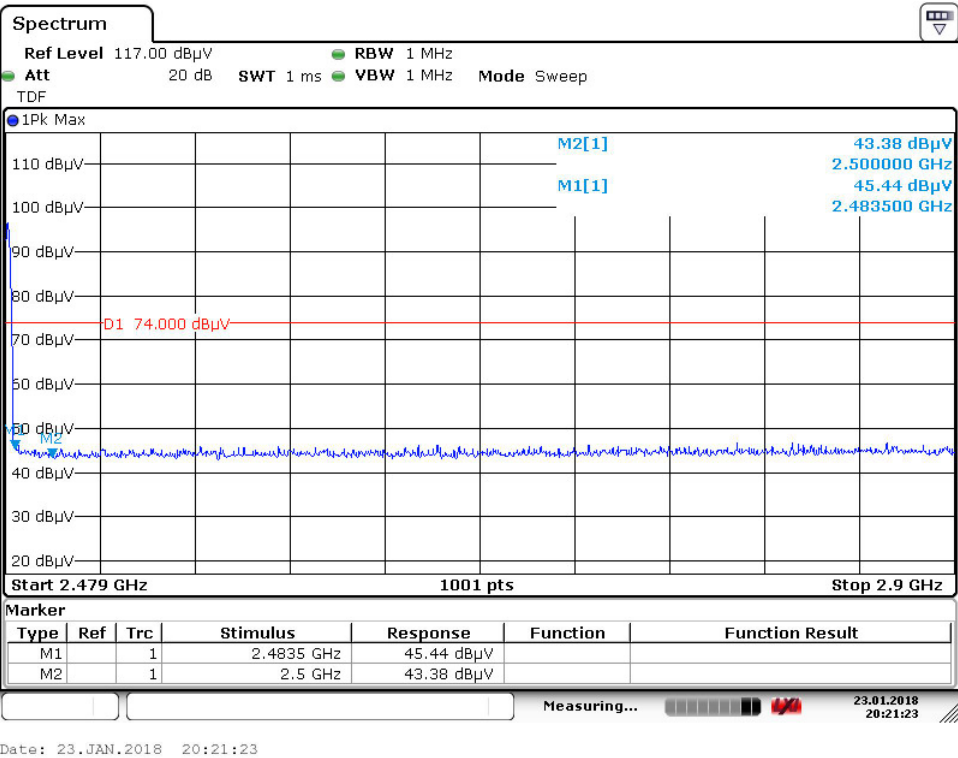
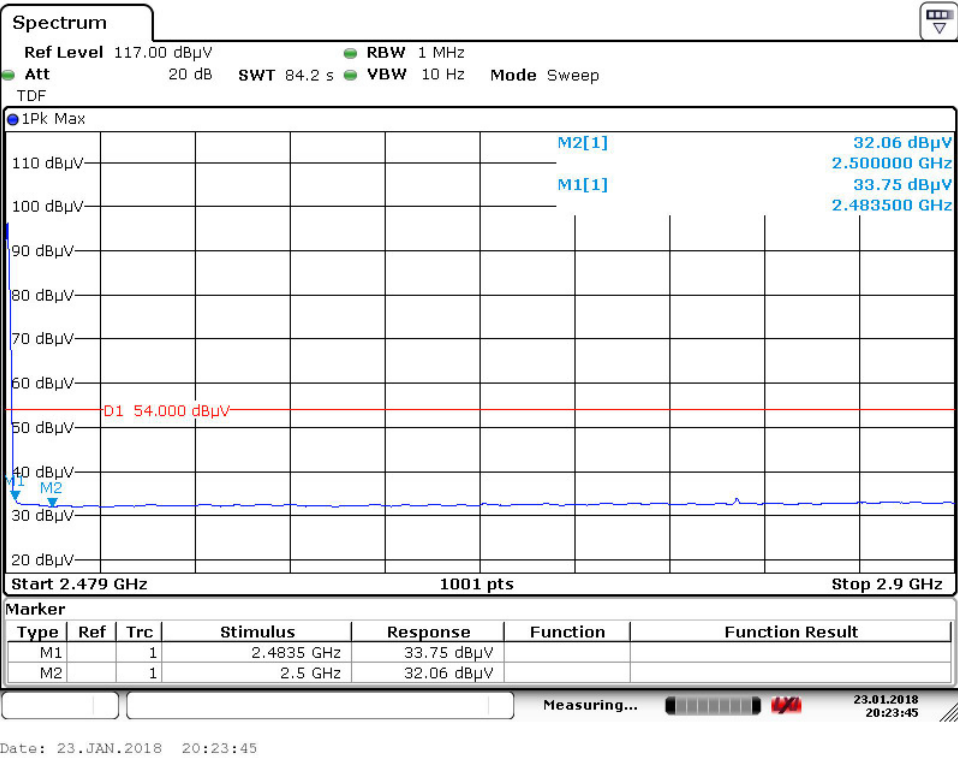


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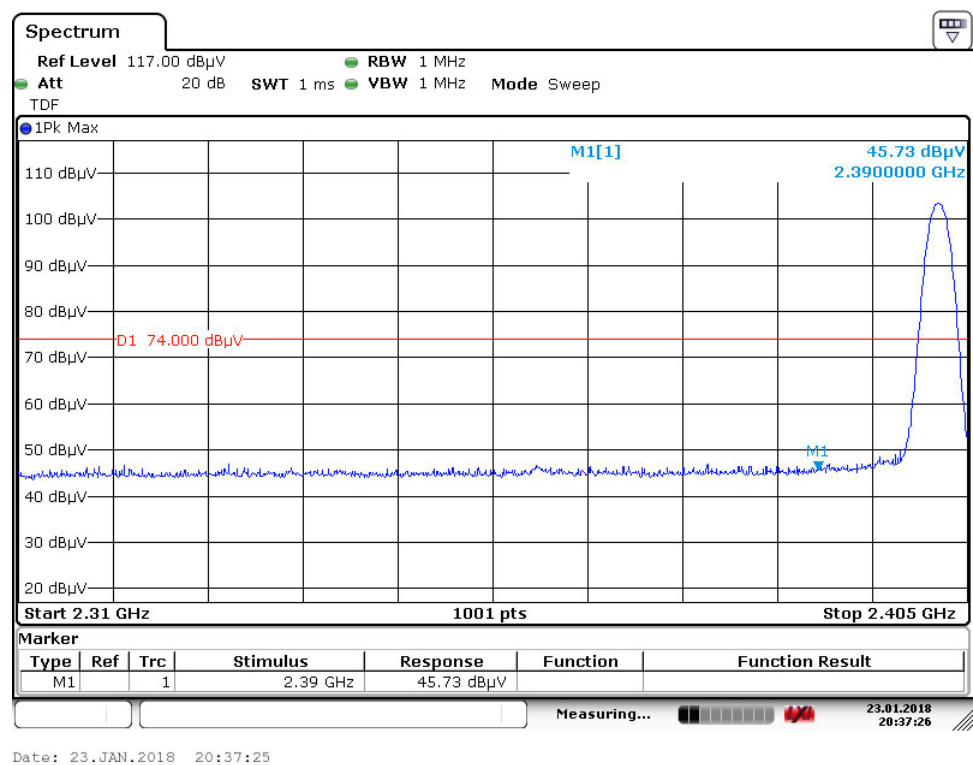
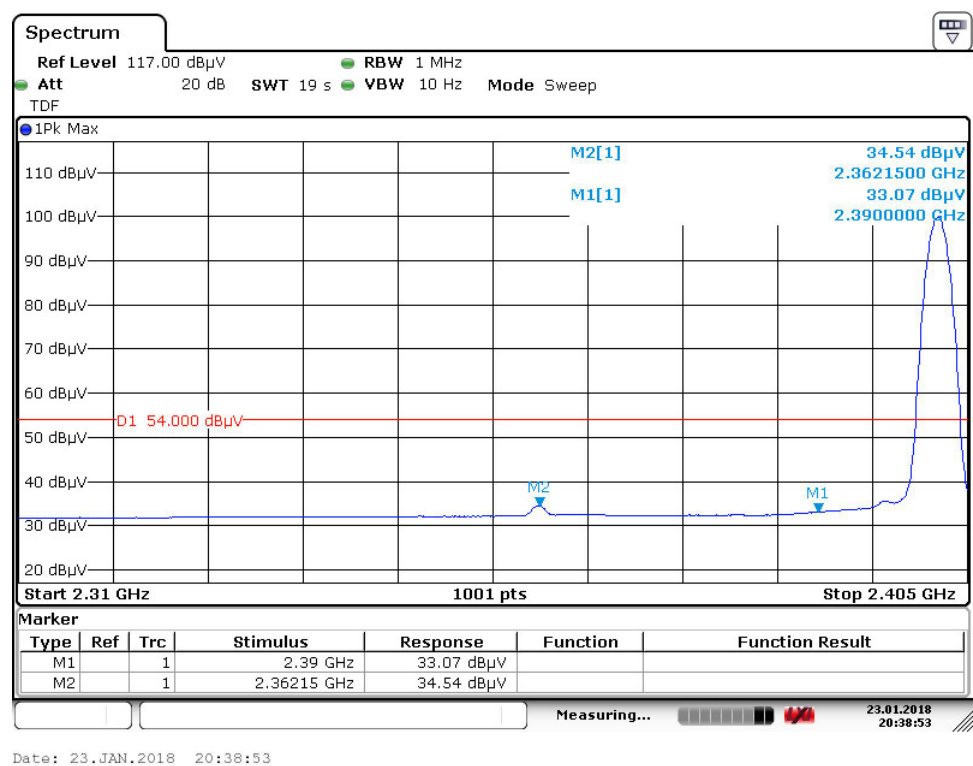
Spurious Emissions, Band Edge, 2.35-2.5G

High Channel (Ver)



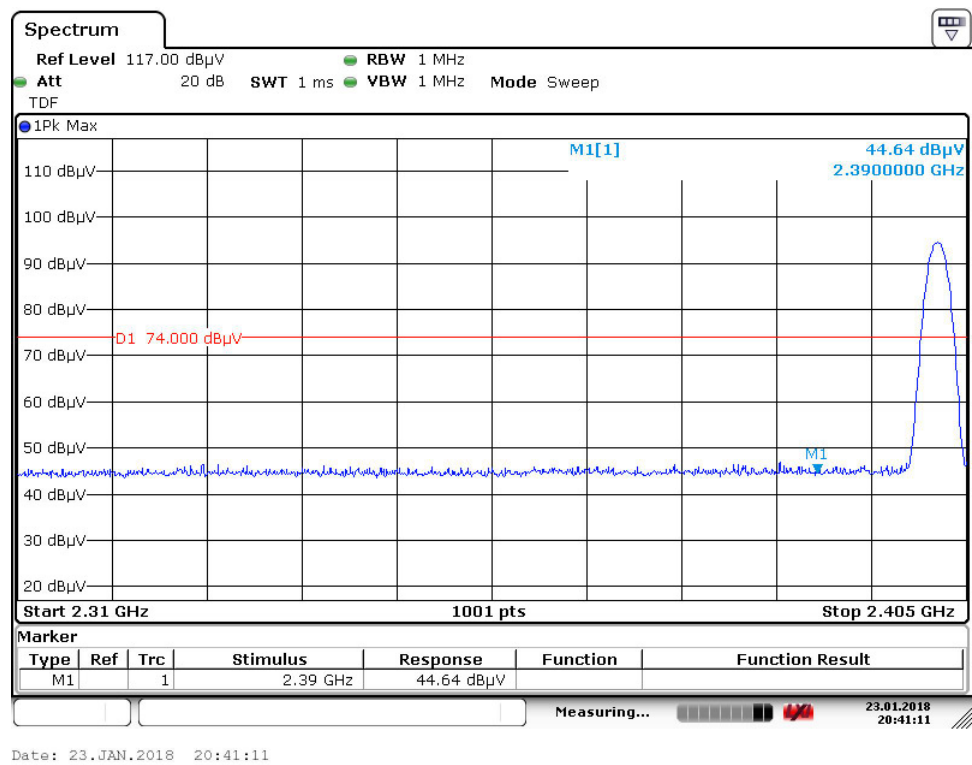
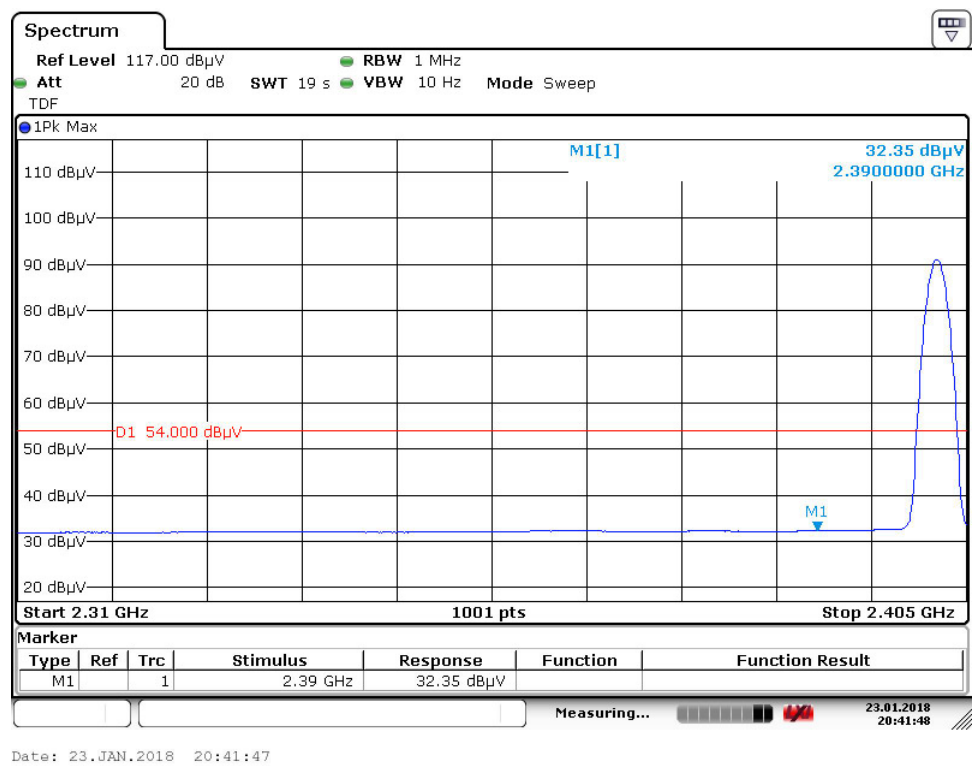
Radiated Bandedge (8DPSK)

Low Channel (Hor)

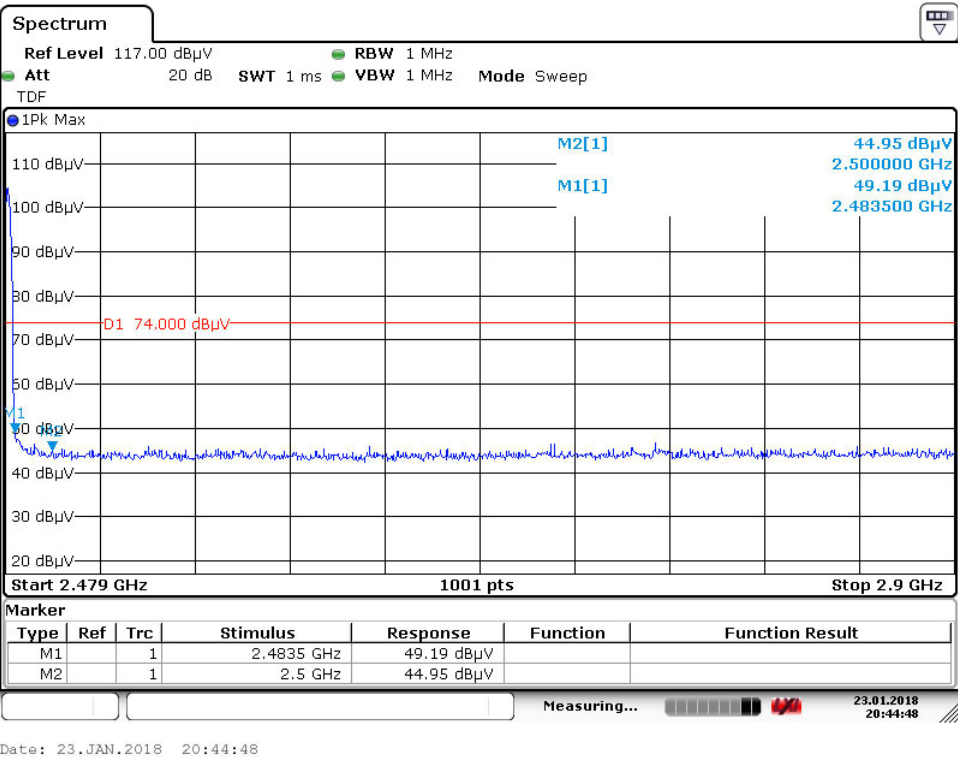
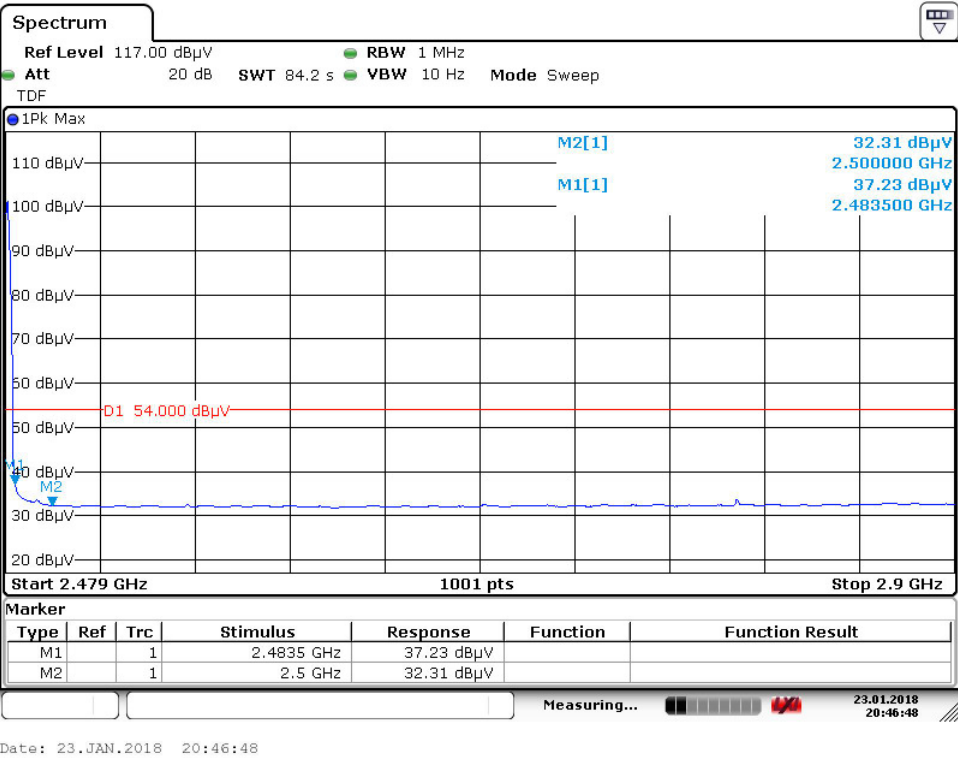


Spurious Emissions, Band Edge, 2.35-2.5G

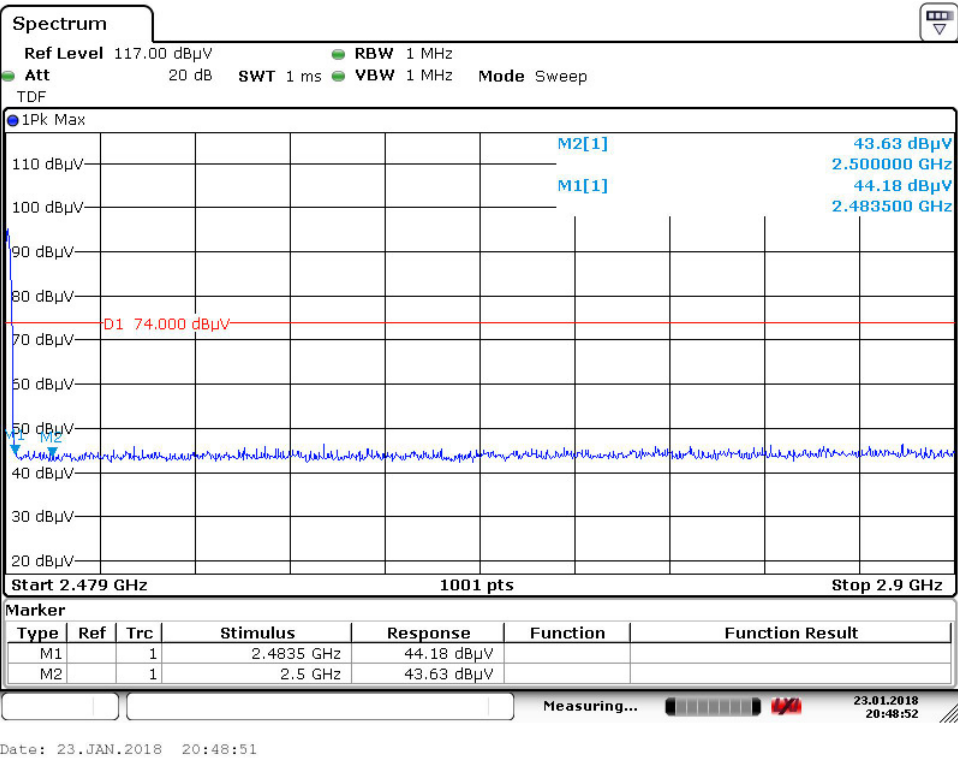
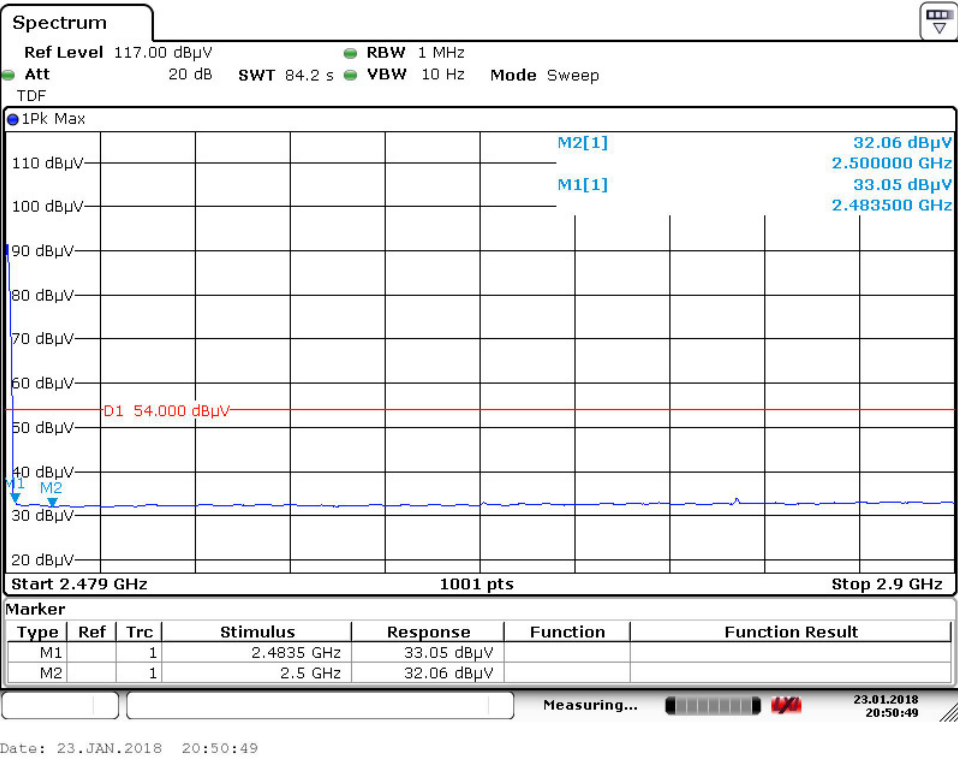
Low Channel (Ver)



High Channel (Hor)



High Channel (Ver)



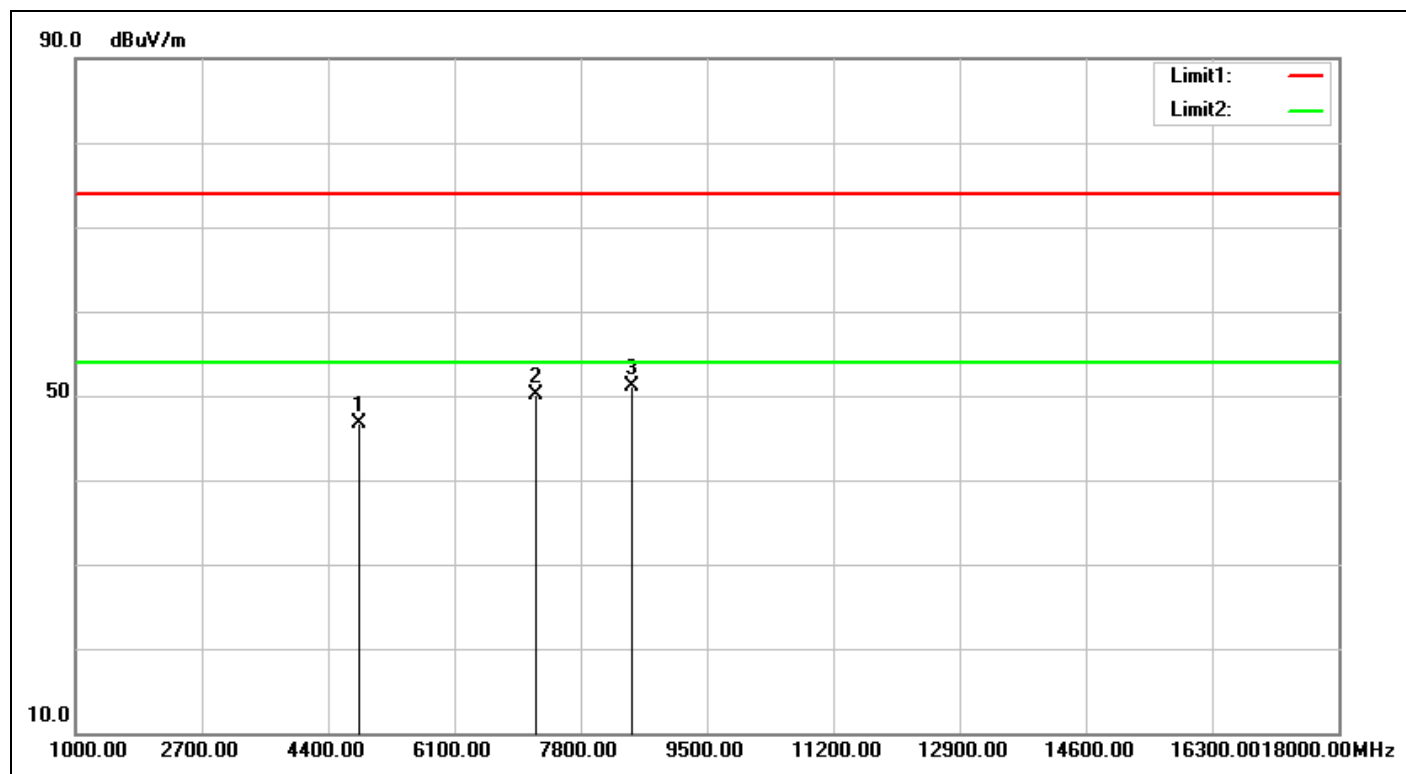
Spurious Emissions, TX Mode, 1-18G



TUV Rheinland Taiwan Ltd.

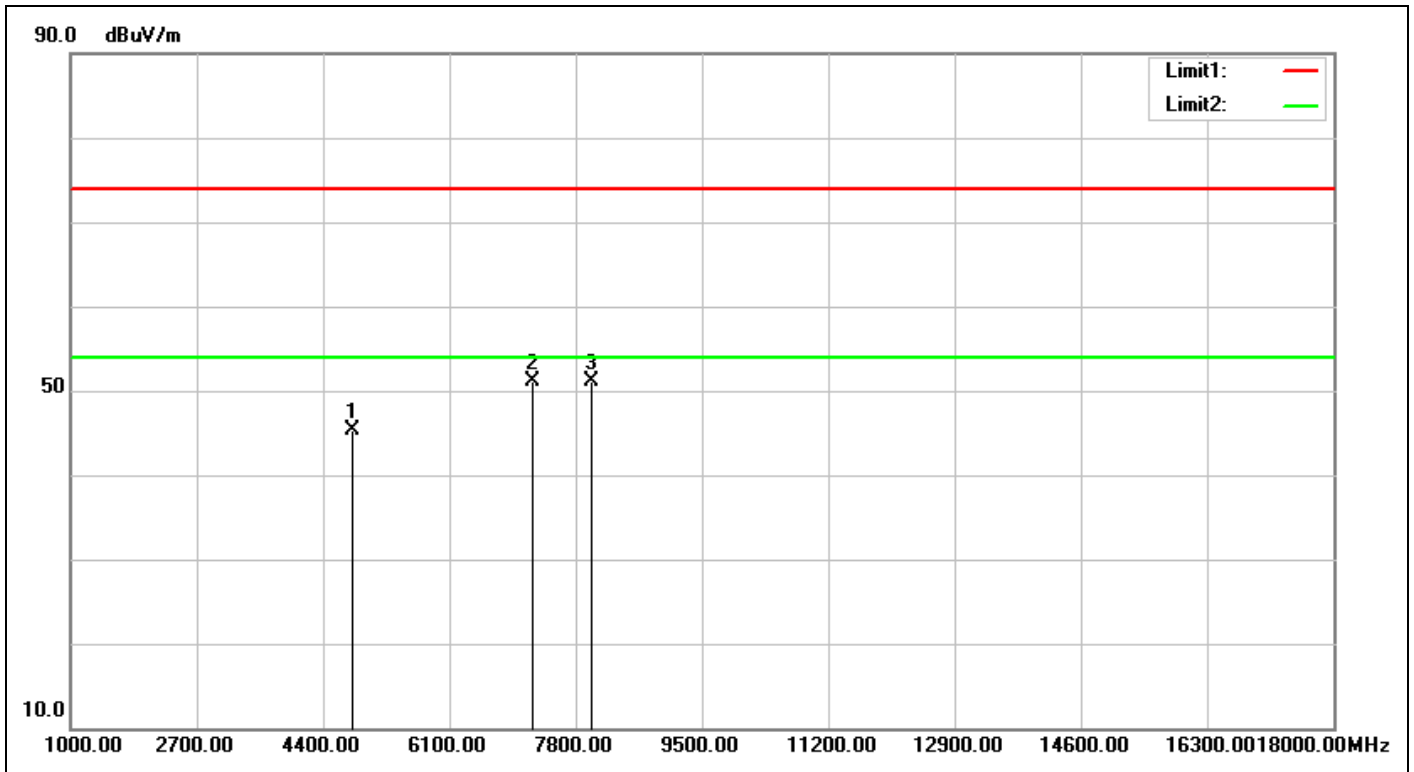
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



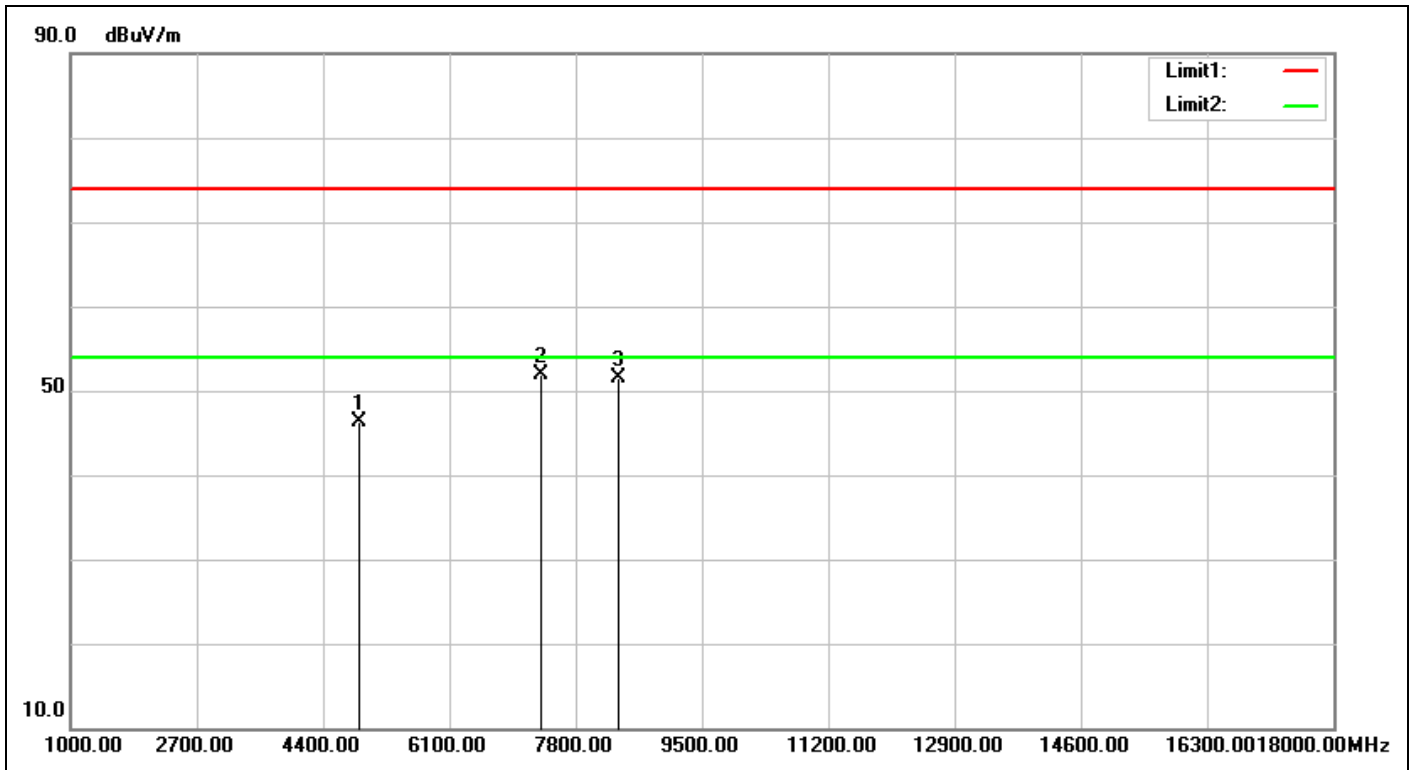
Service No.:	114067593	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/1/29 19:51:34
Applicant:	Realtek Semiconductor Corp.	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	20(°C)/50%
Model No.:	RTL8763BA	Test Engineer:	Curry Chen
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	4804.000	-2.72	49.49	46.77	74.00	-27.23	peak		0	
2	7206.000	5.25	44.92	50.17	74.00	-23.83	peak		0	
3	8480.000	6.35	44.73	51.08	74.00	-22.92	peak	200	215	



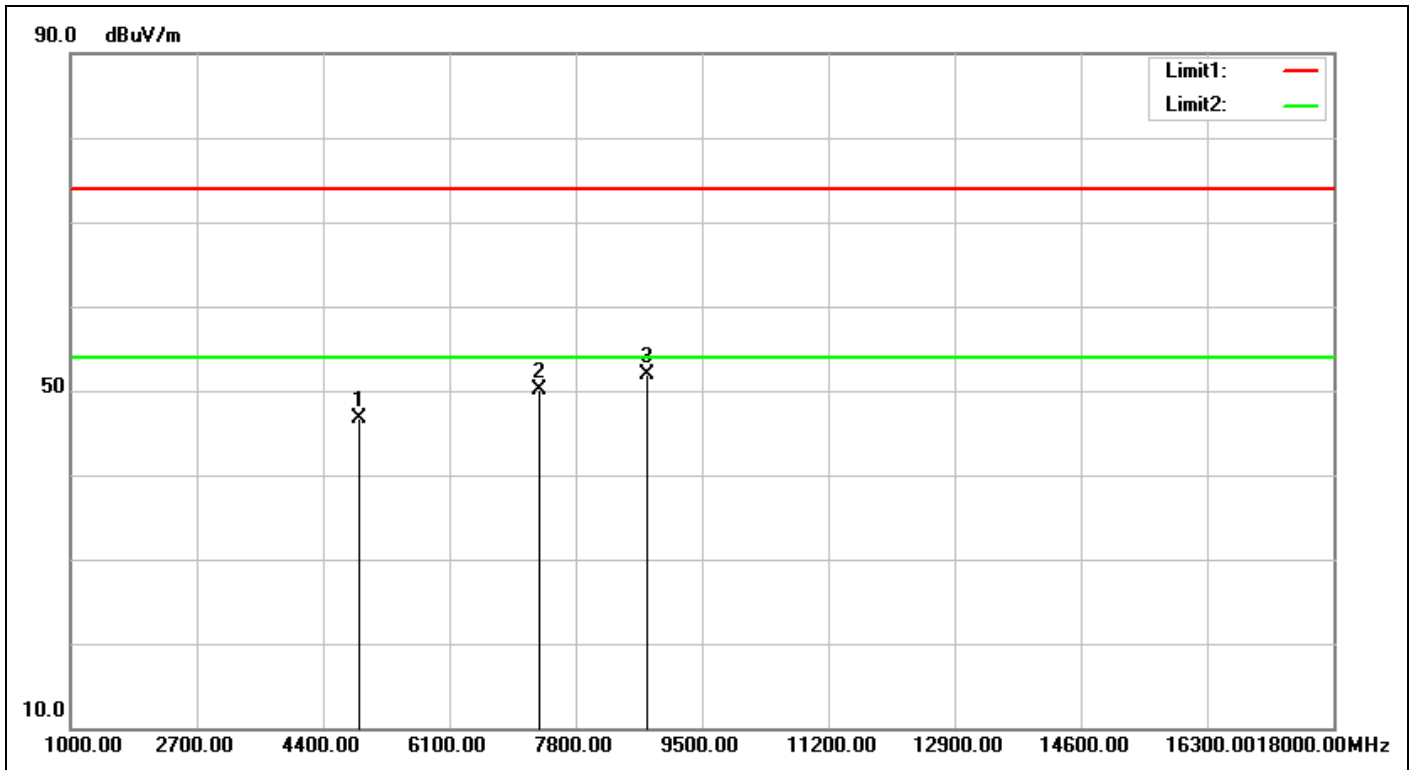
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/1/29 19:52:23
Applicant:	Realtek Semiconductor Corp.	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	20(°C)/50%
Model No.:	RTL8763BA	Test Engineer:	Curry Chen
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	4804.000	-2.72	47.97	45.25	74.00	-28.75	peak			
2	7206.000	5.25	45.79	51.04	74.00	-22.96	peak			
3	8021.000	5.85	45.34	51.19	74.00	-22.81	peak	200	268	



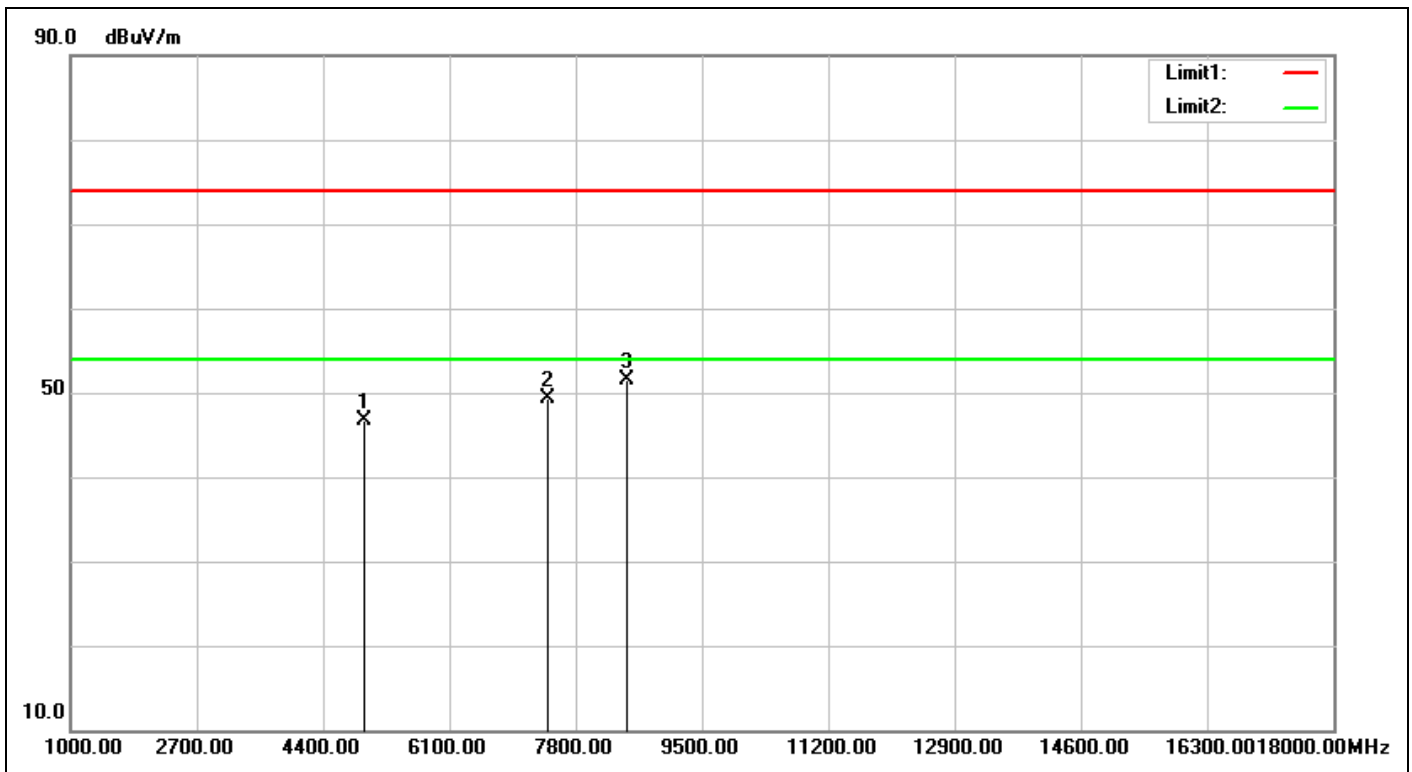
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Test item:	Radiation Emission	Test Time:	2018/1/29 19:56:00
Applicant:	Realtek Semiconductor Corp.	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	20(°C)/50%
Model No.:	RTL8763BA	Test Engineer:	Curry Chen
Test Mode:	1DH5-2441-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4882.000	-2.50	48.84	46.34	74.00	-27.66	peak			
2	7323.000	5.54	46.31	51.85	74.00	-22.15	peak			
3	8378.000	6.24	45.21	51.45	74.00	-22.55	peak	200	1	



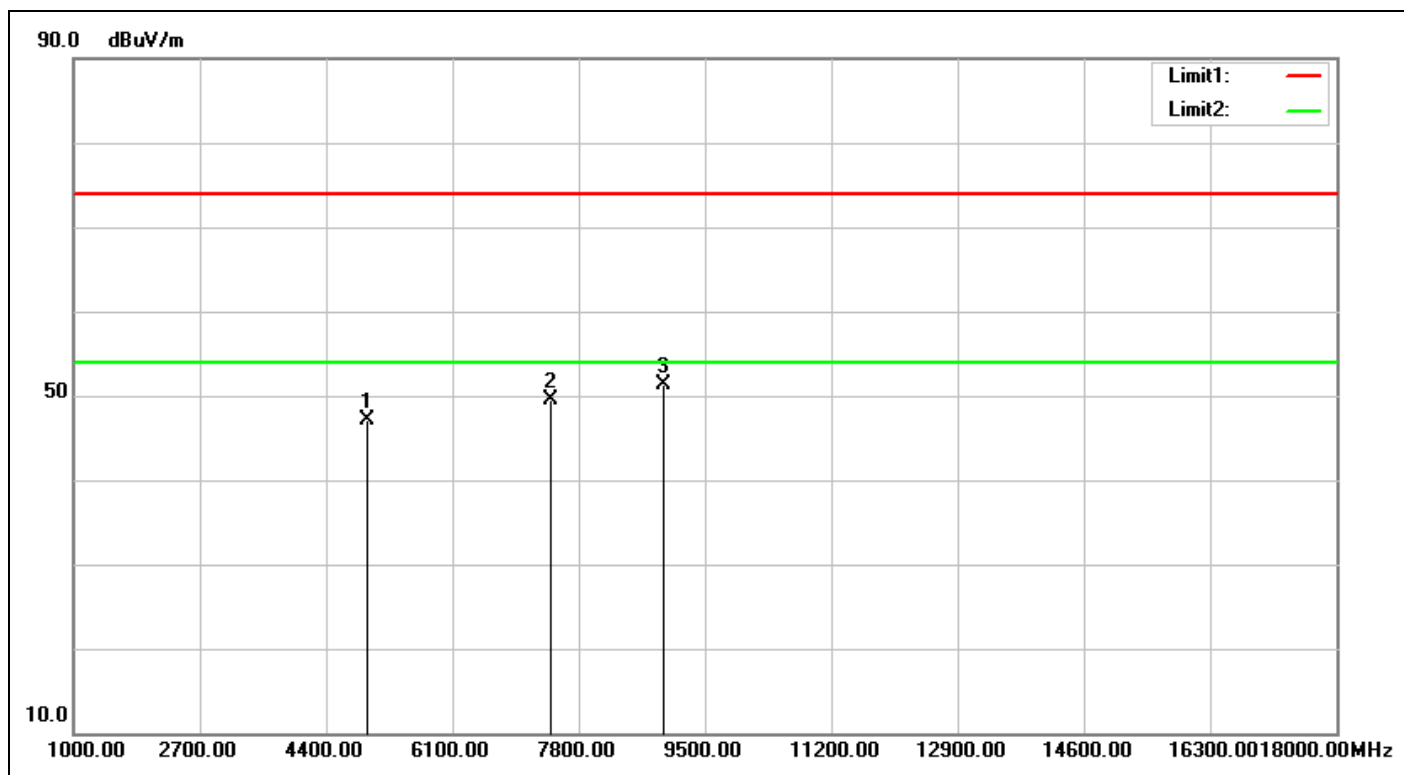
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Test item:	Radiation Emission	Test Time:	2018/1/29 19:56:49
Applicant:	Realtek Semiconductor Corp.	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	20(°C)/50%
Model No.:	RTL8763BA	Test Engineer:	Curry Chen
Test Mode:	1DH5-2441-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4882.000	-2.50	49.19	46.69	74.00	-27.31	peak			
2	7323.000	5.54	44.48	50.02	74.00	-23.98	peak			
3	8752.000	6.41	45.58	51.99	74.00	-22.01	peak	200	79	



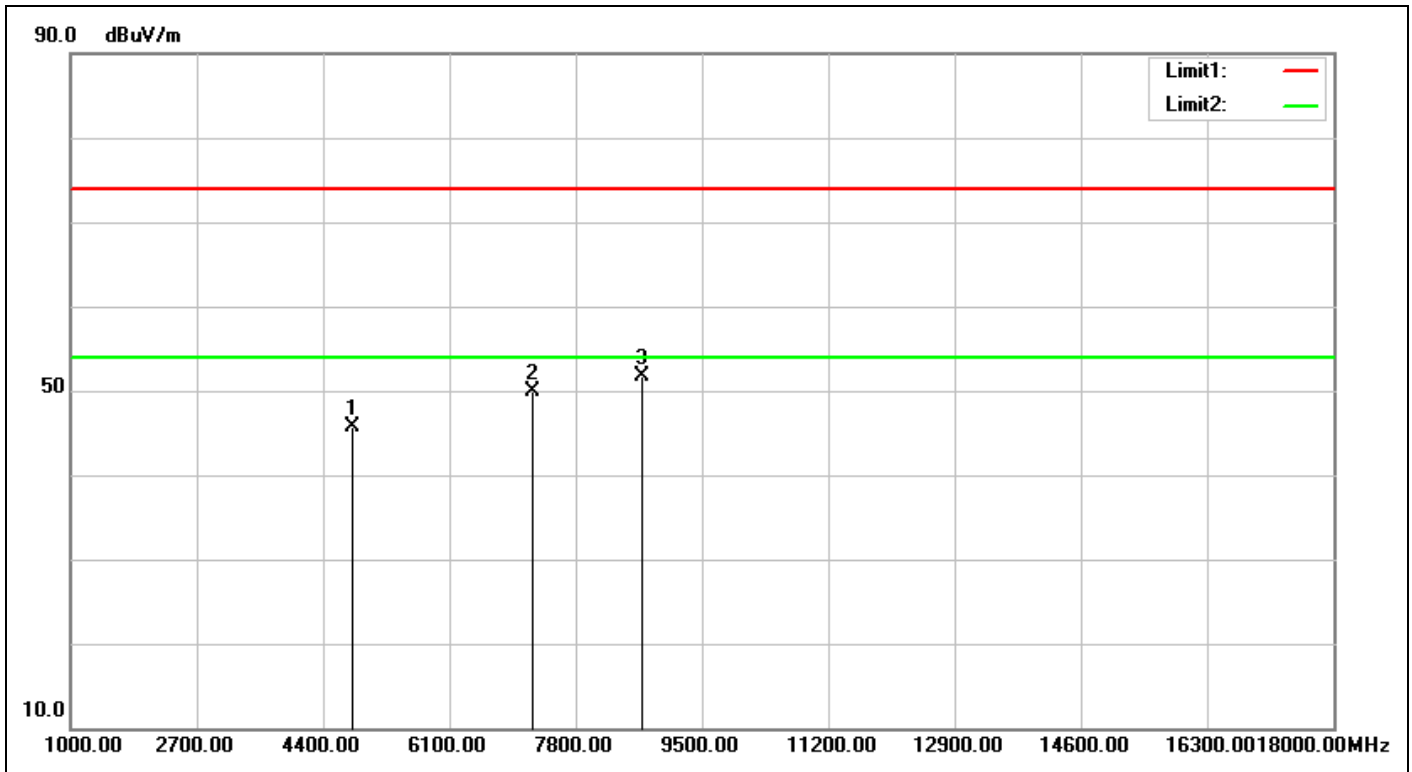
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Applicant:	Realtek Semiconductor Corp.	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	20(°C)/50%
Model No.:	RTL8763BA	Test Engineer:	Curry Chen
Test Mode:	1DH5-2480-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4960.000	-2.28	49.07	46.79	74.00	-27.21	peak			
2	7440.000	5.84	43.46	49.30	74.00	-24.70	peak			
3	8480.000	6.35	45.21	51.56	74.00	-22.44	peak	200	120	



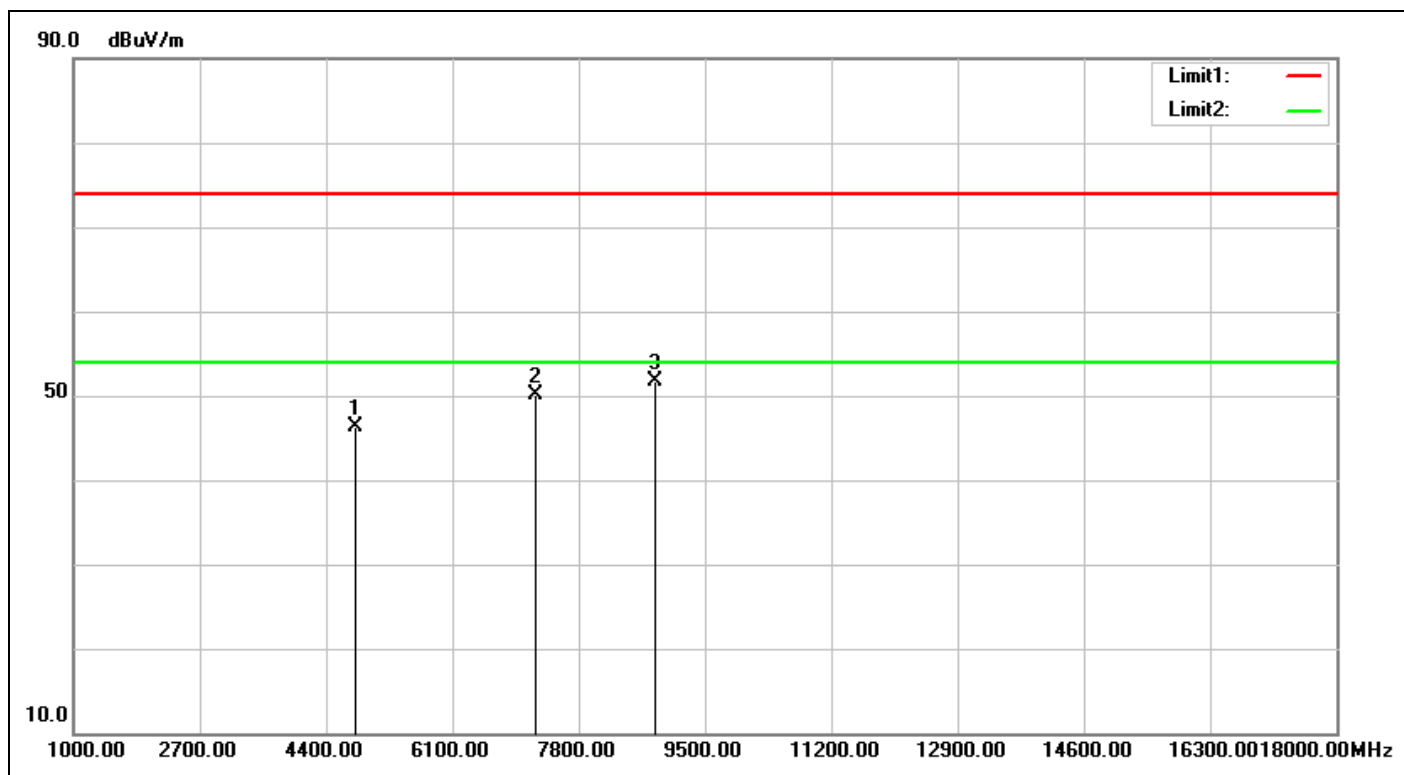
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/1/29 20:01:19
Applicant:	Realtek Semiconductor Corp.	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	20(°C)/50%
Model No.:	RTL8763BA	Test Engineer:	Curry Chen
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	4960.000	-2.28	49.44	47.16	74.00	-26.84	peak			
2	7440.000	5.84	43.63	49.47	74.00	-24.53	peak			
3	8939.000	6.43	44.87	51.30	74.00	-22.70	peak	200	315	



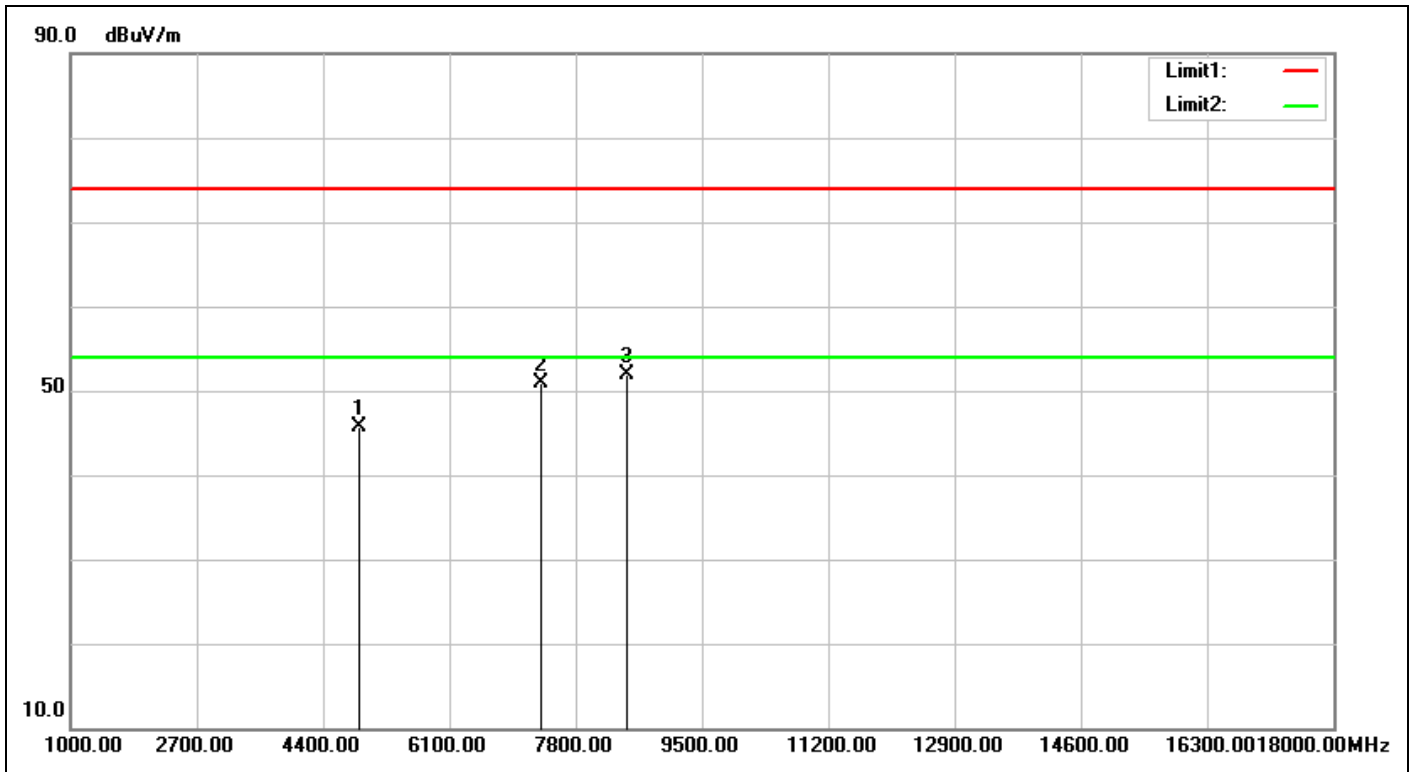
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/1/29 20:03:46
Applicant:	Realtek Semiconductor Corp.	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	20(°C)/50%
Model No.:	RTL8763BA	Test Engineer:	Curry Chen
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	4804.000	-2.72	48.47	45.75	74.00	-28.25	peak			
2	7206.000	5.25	44.57	49.82	74.00	-24.18	peak			
3	8701.000	6.41	45.28	51.69	74.00	-22.31	peak	200	261	



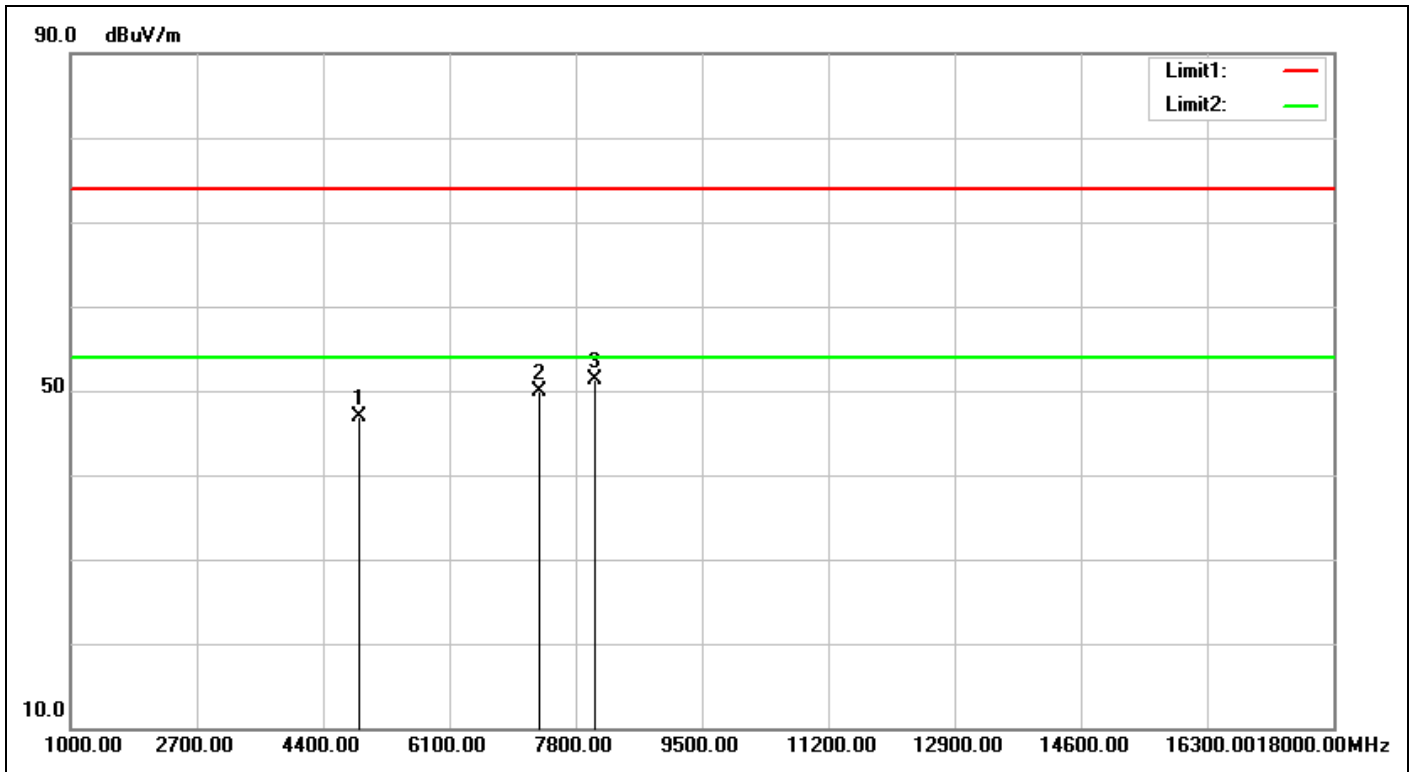
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/1/29 20:04:49
Applicant:	Realtek Semiconductor Corp.	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	20(°C)/50%
Model No.:	RTL8763BA	Test Engineer:	Curry Chen
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	4804.000	-2.72	49.08	46.36	74.00	-27.64	peak			
2	7206.000	5.25	44.92	50.17	74.00	-23.83	peak			
3	8837.000	6.42	45.32	51.74	74.00	-22.26	peak	200	190	



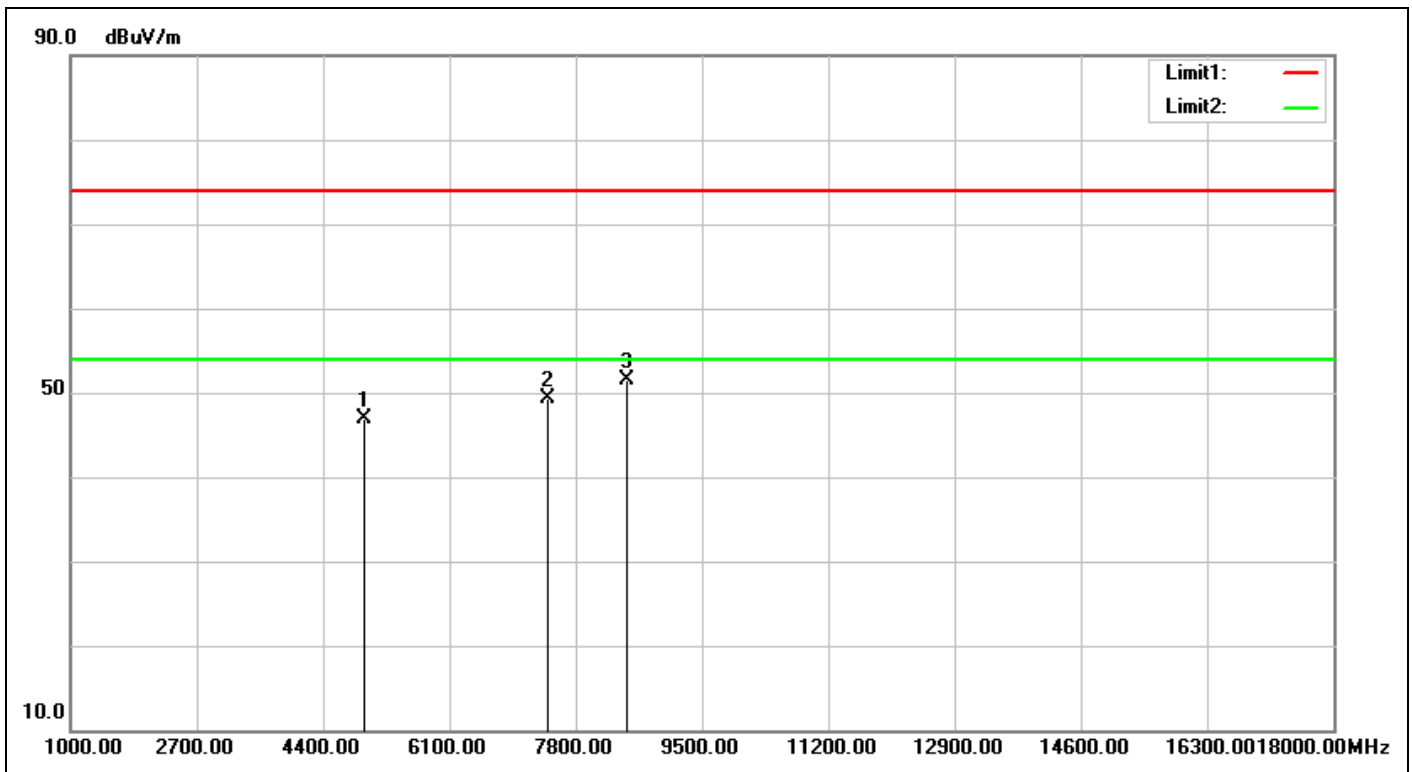
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/1/29 20:07:02
Applicant:	Realtek Semiconductor Corp.	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	20(°C)/50%
Model No.:	RTL8763BA	Test Engineer:	Curry Chen
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	4882.000	-2.50	48.27	45.77	74.00	-28.23	peak			
2	7323.000	5.54	45.41	50.95	74.00	-23.05	peak			
3	8480.000	6.35	45.50	51.85	74.00	-22.15	peak	200	253	



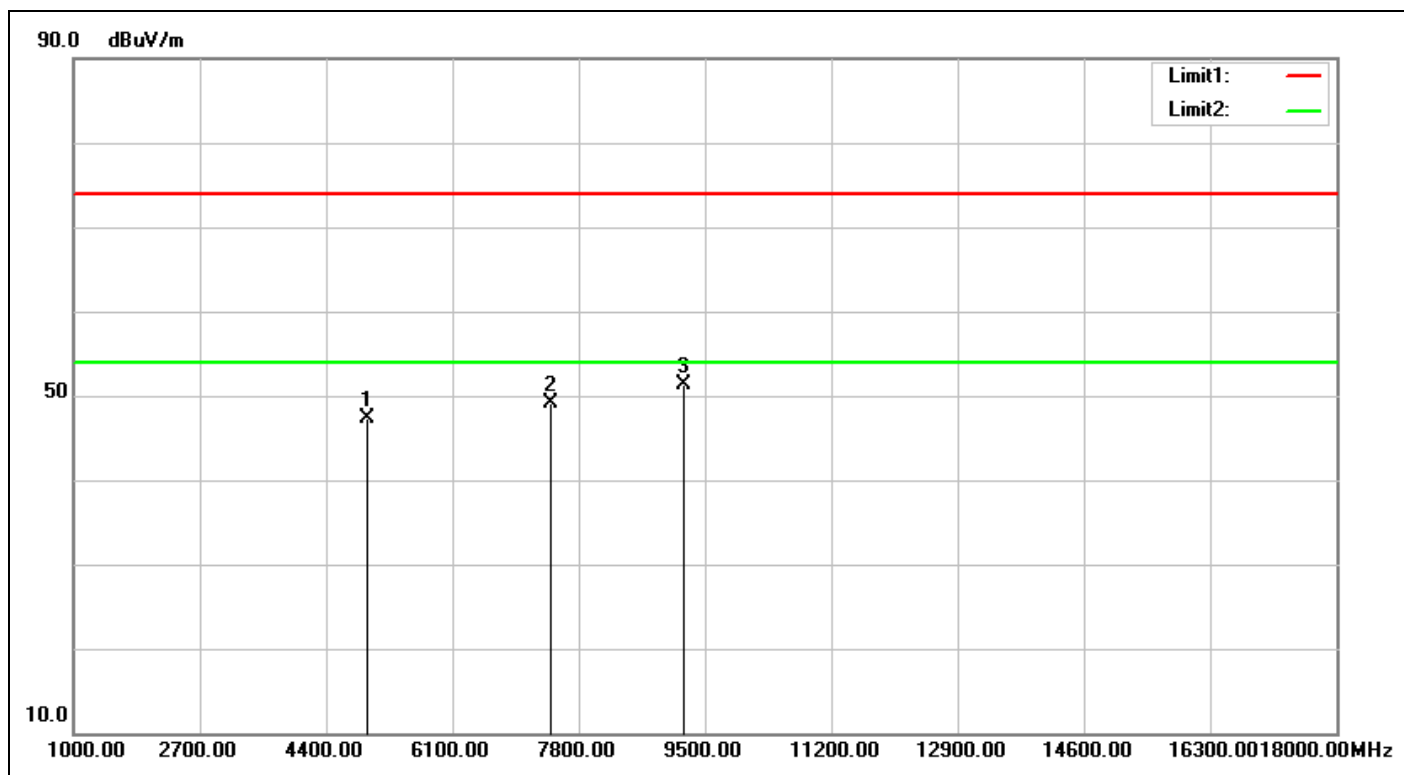
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/1/29 20:08:04
Applicant:	Realtek Semiconductor Corp.	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	20(°C)/50%
Model No.:	RTL8763BA	Test Engineer:	Curry Chen
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	4882.000	-2.50	49.49	46.99	74.00	-27.01	peak			
2	7323.000	5.54	44.37	49.91	74.00	-24.09	peak			
3	8055.000	5.89	45.37	51.26	74.00	-22.74	peak	200	72	



Service No.:	114067593	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/1/29 20:11:17
Applicant:	Realtek Semiconductor Corp.	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%) :	20(°C)/50%
Model No.:	RTL8763BA	Test Engineer:	Curry Chen
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	4960.000	-2.28	49.12	46.84	74.00	-27.16	peak			
2	7440.000	5.84	43.42	49.26	74.00	-24.74	peak			
3	8480.000	6.35	45.20	51.55	74.00	-22.45	peak	200	132	



Service No.:	114067593	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/1/29 20:12:14
Applicant:	Realtek Semiconductor Corp.	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	20(°C)/50%
Model No.:	RTL8763BA	Test Engineer:	Curry Chen
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	4960.000	-2.28	49.61	47.33	74.00	-26.67	peak			
2	7440.000	5.84	43.29	49.13	74.00	-24.87	peak			
3	9211.000	6.49	44.88	51.37	74.00	-22.63	peak	200	288	

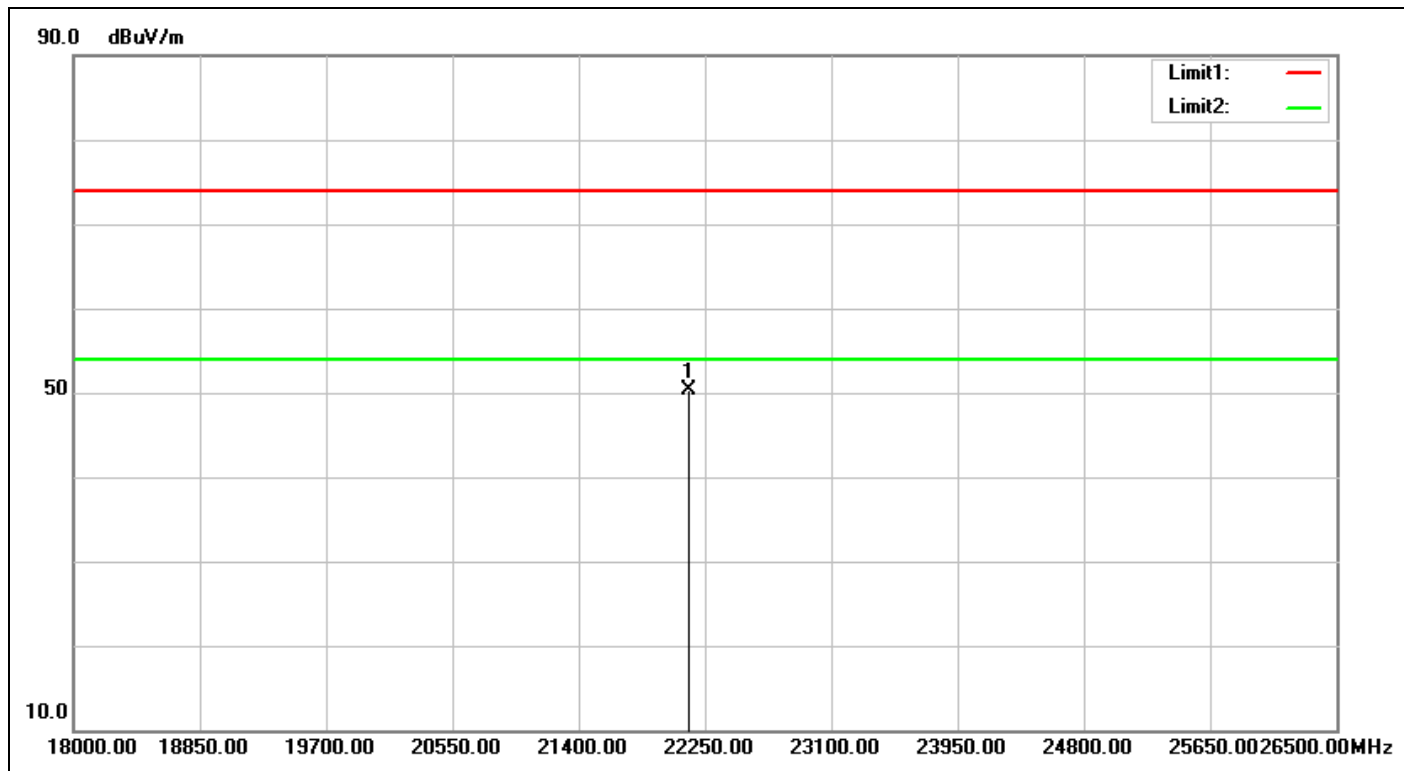
Spurious Emissions, TX Mode, 18-26.5G



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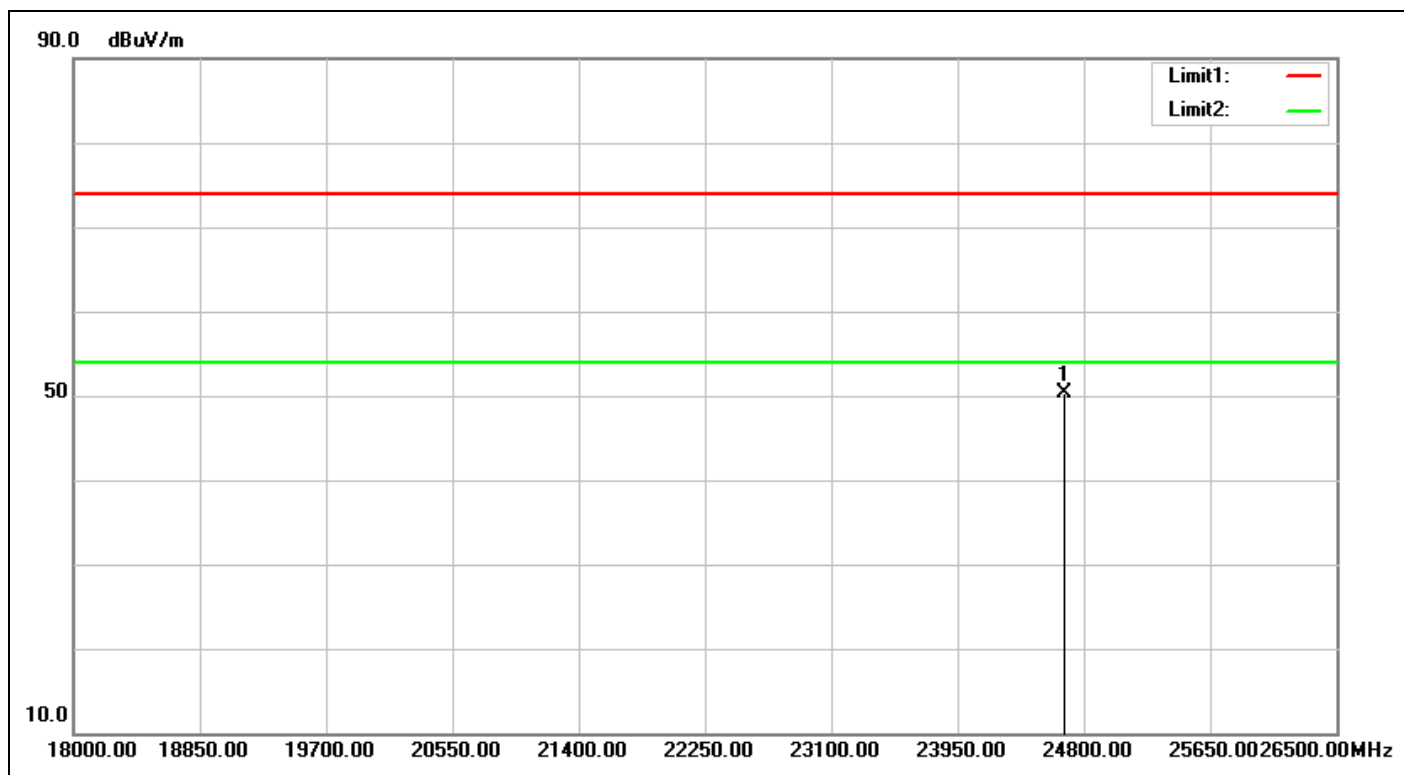
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



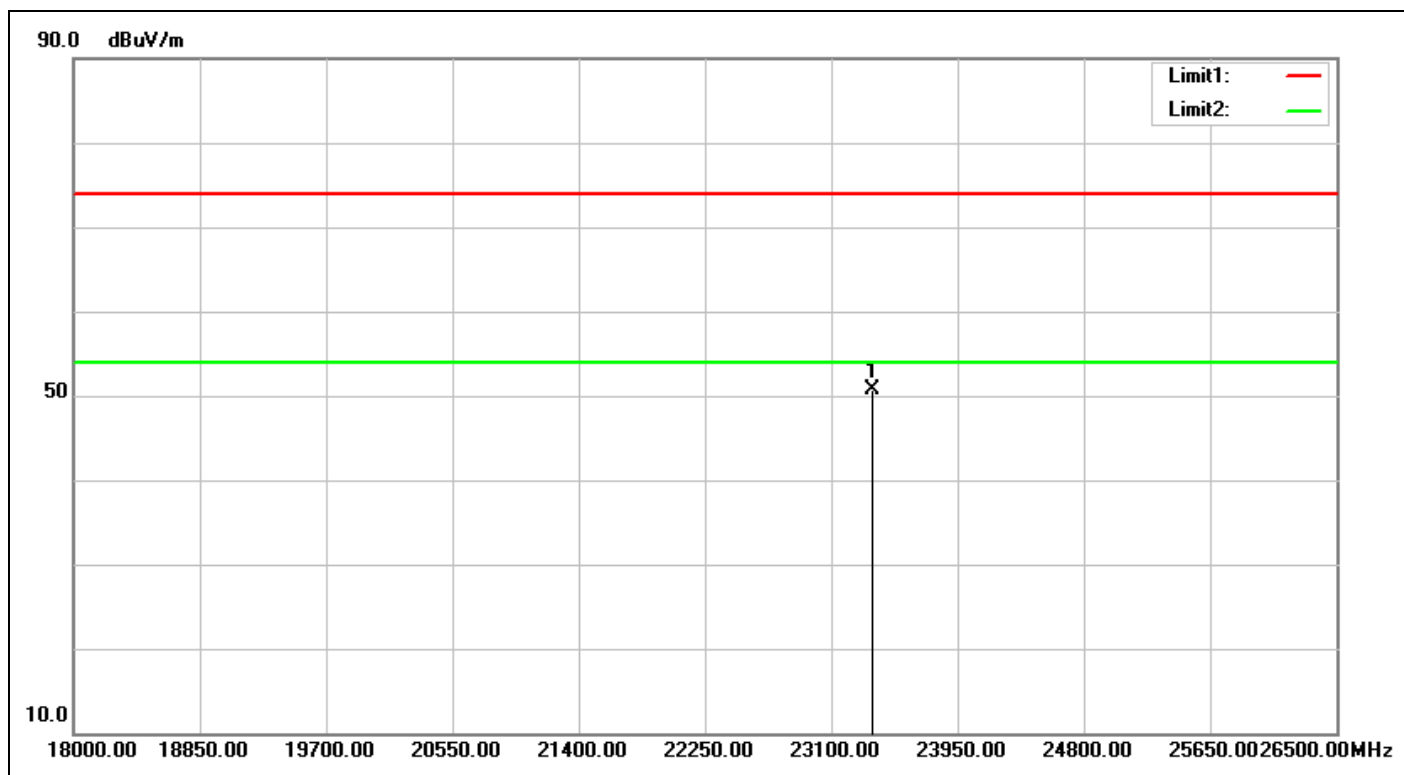
Service No.:	114067593	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/1/29 21:18:53
Applicant:	Realtek Semiconductor Corp.	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	20(°C)/50%
Model No.:	RTL8763BA	Test Engineer:	Curry Chen
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	22139.500	32.03	18.24	50.27	74.00	-23.73	peak		0	



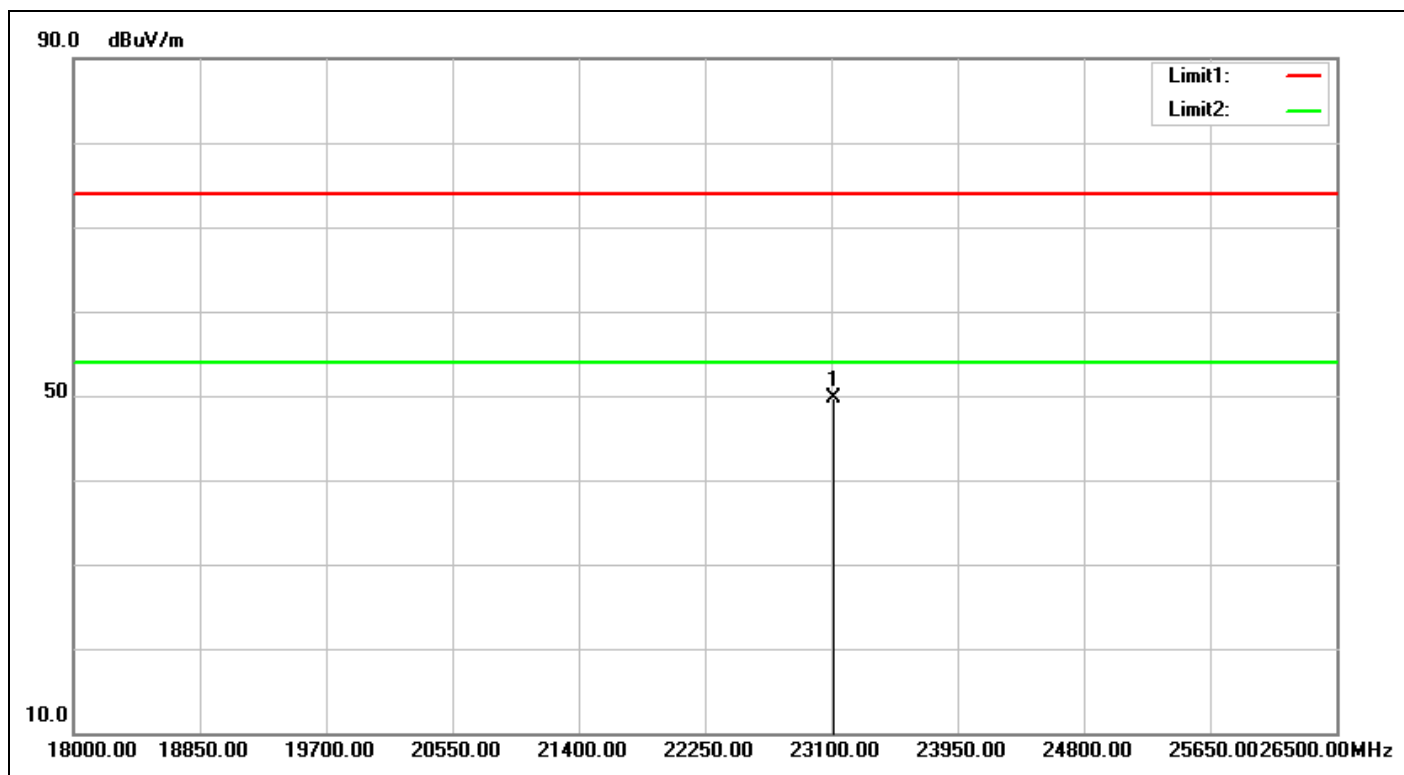
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/1/29 21:18:59
Applicant:	Realtek Semiconductor Corp.	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%) :	20(°C)/50%
Model No.:	RTL8763BA	Test Engineer:	Curry Chen
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	24672.500	32.76	17.63	50.39	74.00	-23.61	peak			



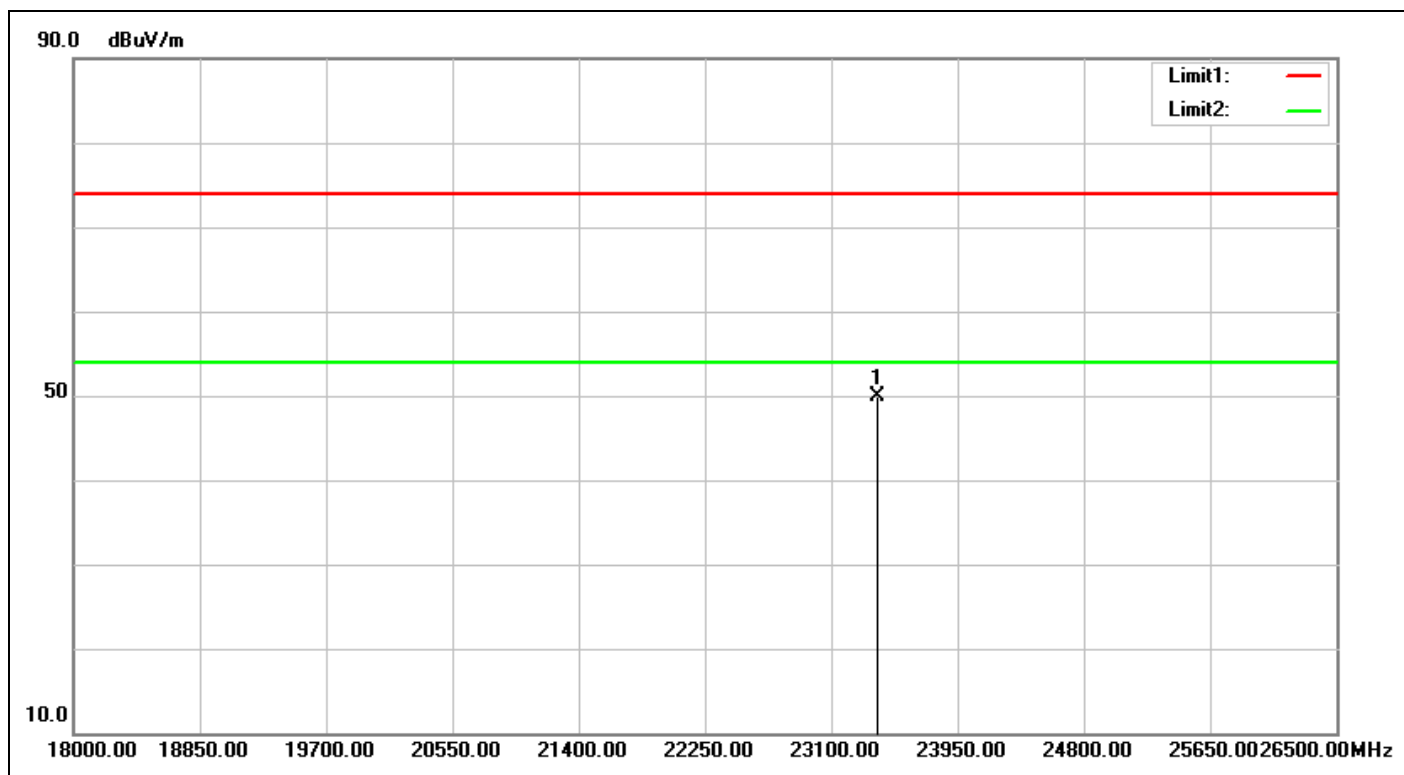
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Test item:	Radiation Emission	Test Time:	2018/1/29 21:19:25
Applicant:	Realtek Semiconductor Corp.	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%) :	20(°C)/50%
Model No.:	RTL8763BA	Test Engineer:	Curry Chen
Test Mode:	1DH5-2441-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23380.500	32.71	17.95	50.66	74.00	-23.34	peak			



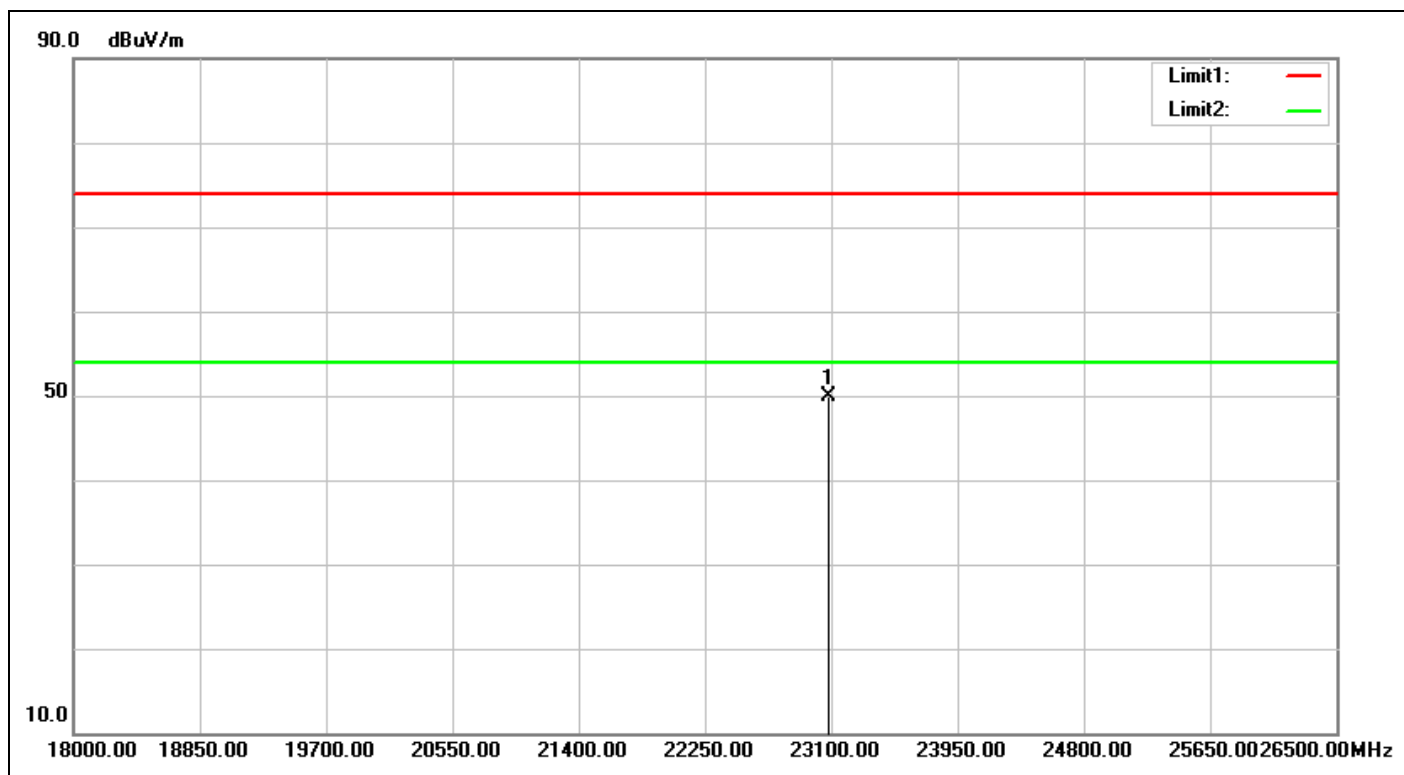
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/1/29 21:19:32
Applicant:	Realtek Semiconductor Corp.	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	20(°C)/50%
Model No.:	RTL8763BA	Test Engineer:	Curry Chen
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	23117.000	32.45	17.25	49.70	74.00	-24.30	peak			



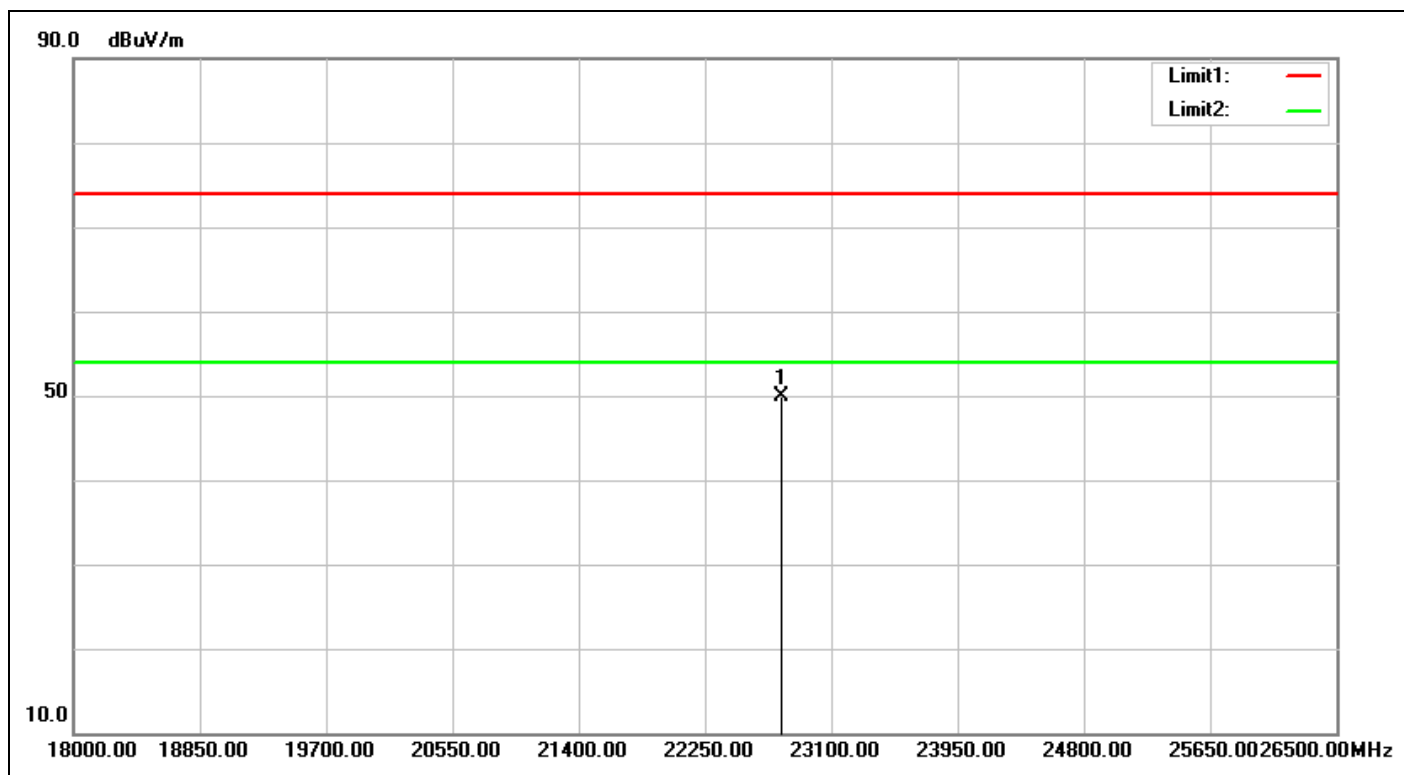
Service No.:	114067593	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/1/29 21:19:57
Applicant:	Realtek Semiconductor Corp.	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%) :	20(°C)/50%
Model No.:	RTL8763BA	Test Engineer:	Curry Chen
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	23414.500	32.74	17.22	49.96	74.00	-24.04	peak			



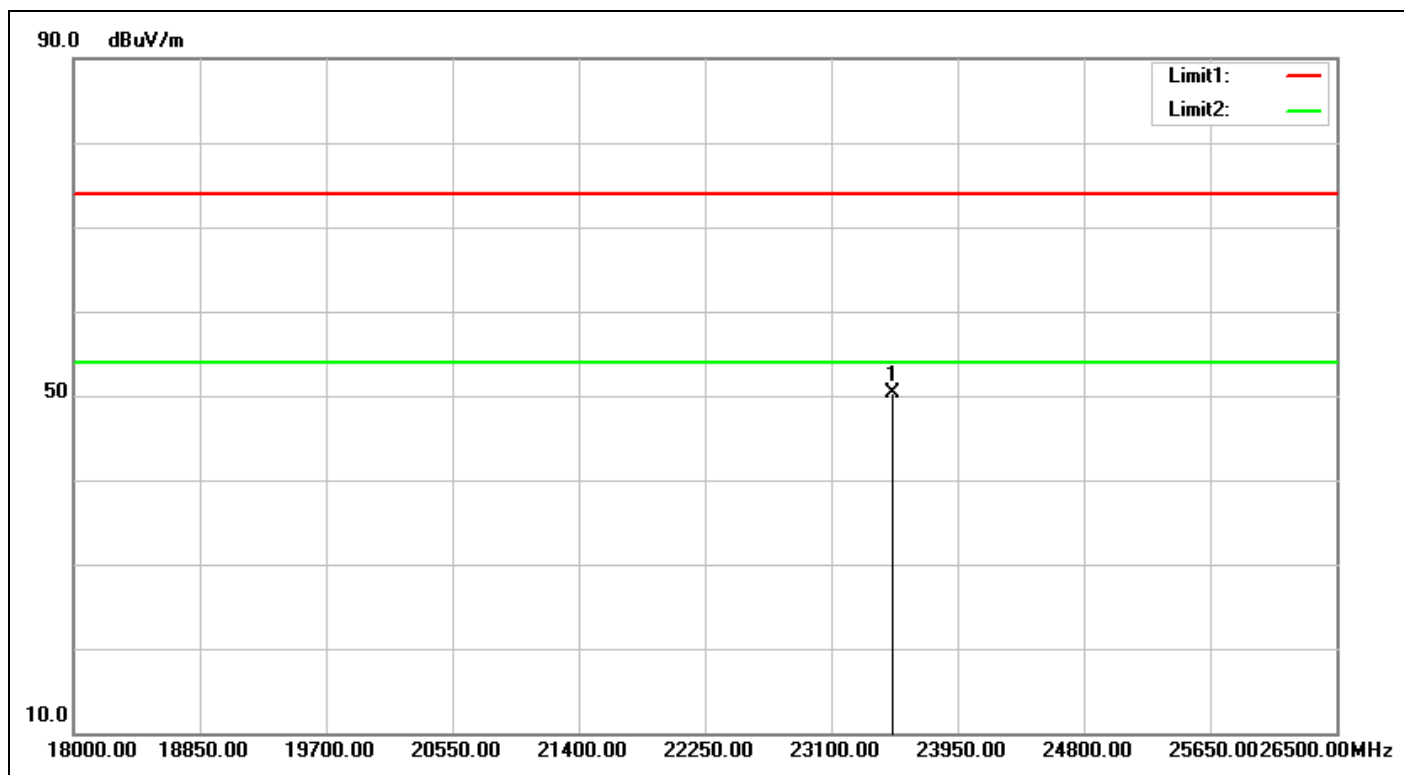
Service No.:	114067593	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/1/29 21:20:03
Applicant:	Realtek Semiconductor Corp.	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	20(°C)/50%
Model No.:	RTL8763BA	Test Engineer:	Curry Chen
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	23083.000	32.41	17.57	49.98	74.00	-24.02	peak			



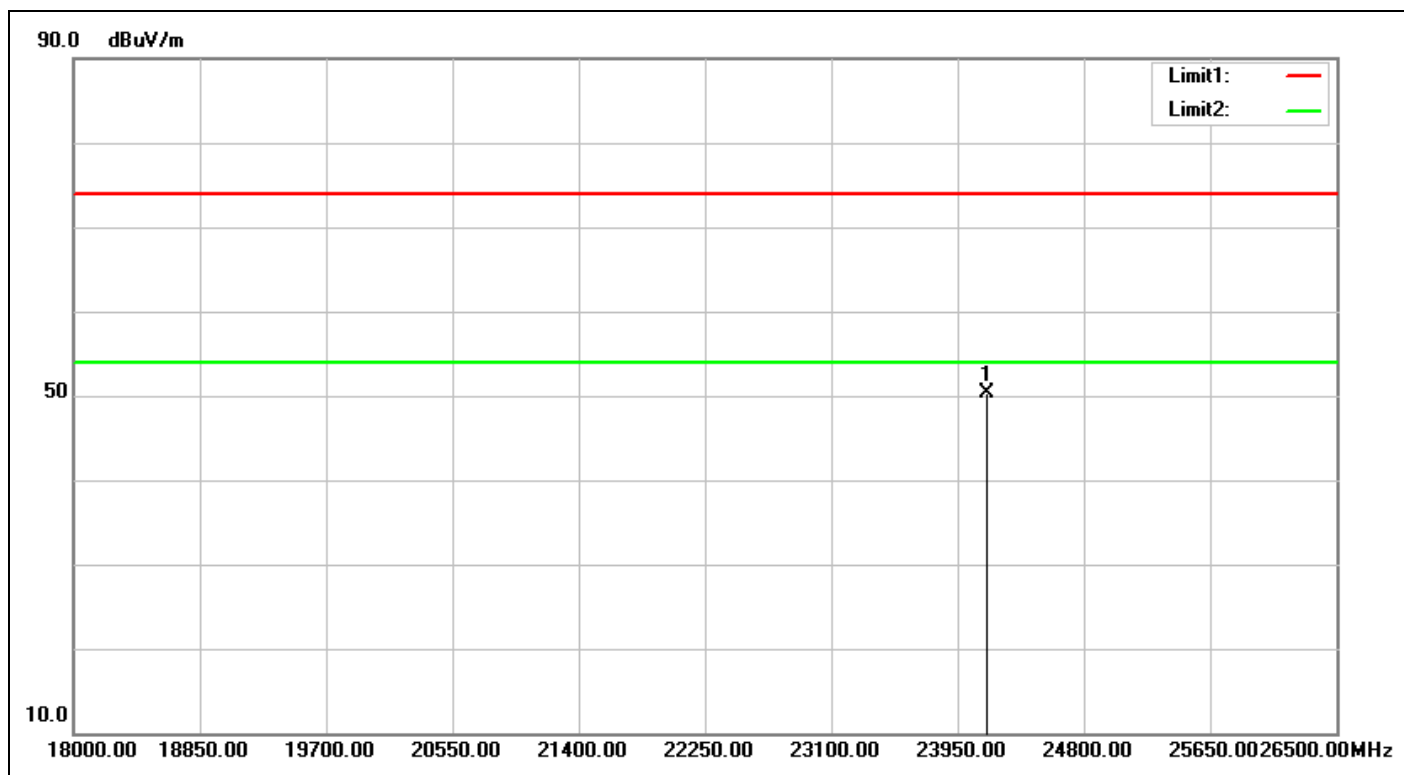
Service No.:	114067593	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/1/29 21:20:37
Applicant:	Realtek Semiconductor Corp.	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	20(°C)/50%
Model No.:	RTL8763BA	Test Engineer:	Curry Chen
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	22768.500	32.25	17.58	49.83	74.00	-24.17	peak			



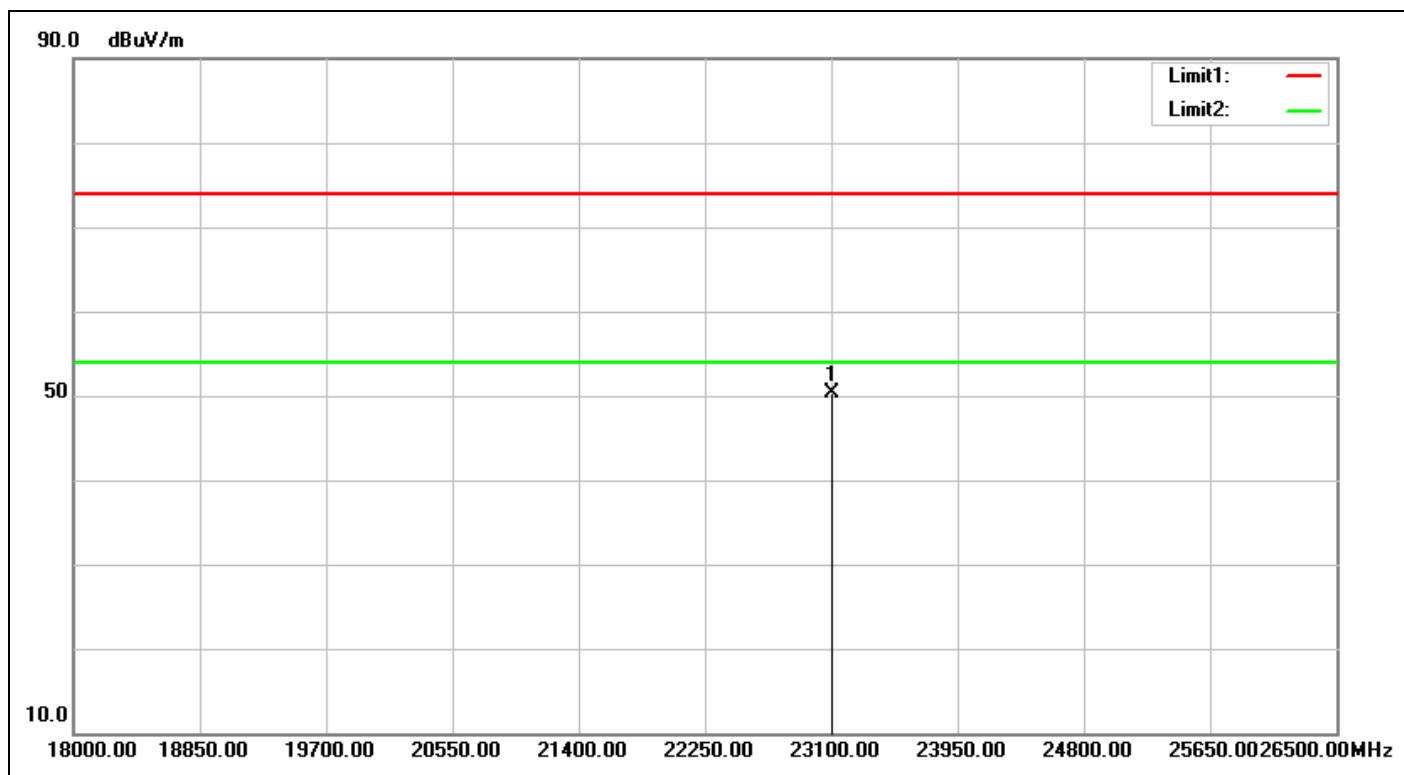
Service No.:	114067593	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/1/29 21:20:44
Applicant:	Realtek Semiconductor Corp.	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	20(°C)/50%
Model No.:	RTL8763BA	Test Engineer:	Curry Chen
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	23516.500	32.82	17.58	50.40	74.00	-23.60	peak			



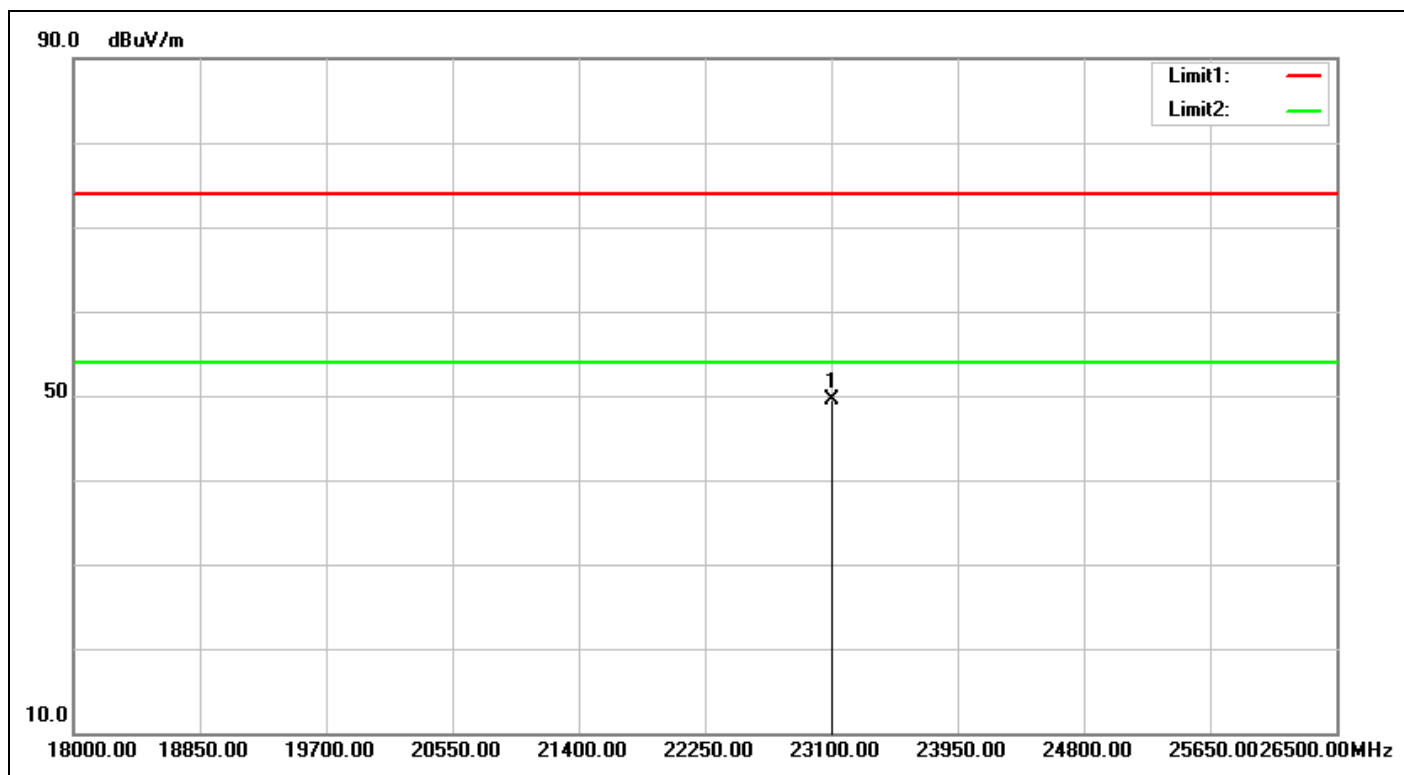
Service No.:	114067593	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/1/29 21:21:13
Applicant:	Realtek Semiconductor Corp.	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	20(°C)/50%
Model No.:	RTL8763BA	Test Engineer:	Curry Chen
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	24145.500	32.47	17.77	50.24	74.00	-23.76	peak			



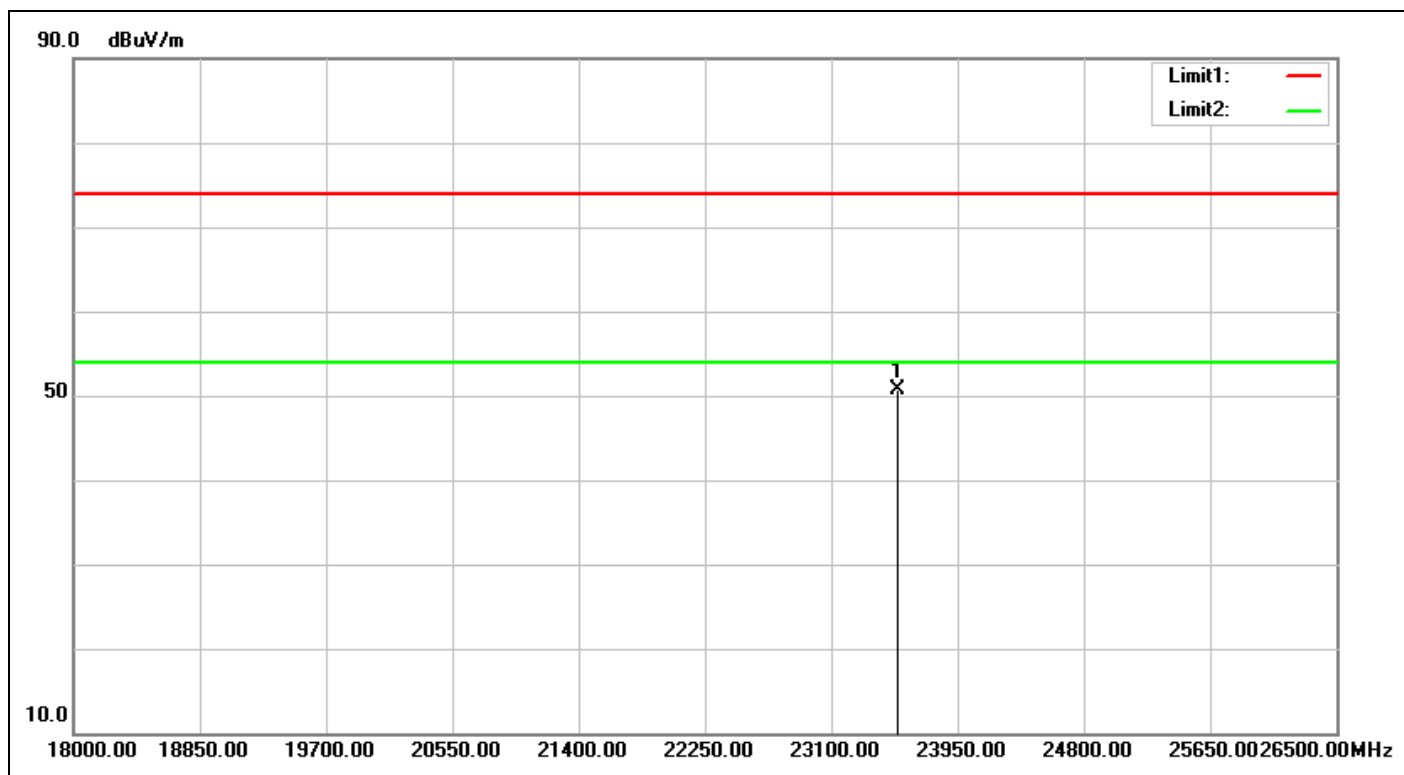
Service No.:	114067593	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/1/29 21:21:20
Applicant:	Realtek Semiconductor Corp.	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	20(°C)/50%
Model No.:	RTL8763BA	Test Engineer:	Curry Chen
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	23100.000	32.43	17.87	50.30	74.00	-23.70	peak			



Service No.:	114067593	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/1/29 21:21:47
Applicant:	Realtek Semiconductor Corp.	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%) :	20(°C)/50%
Model No.:	RTL8763BA	Test Engineer:	Curry Chen
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	23100.000	32.43	17.06	49.49	74.00	-24.51	peak			



Service No.:	114067593	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/1/29 21:21:54
Applicant:	Realtek Semiconductor Corp.	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	20(°C)/50%
Model No.:	RTL8763BA	Test Engineer:	Curry Chen
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	23550.500	32.79	17.87	50.66	74.00	-23.34	peak			

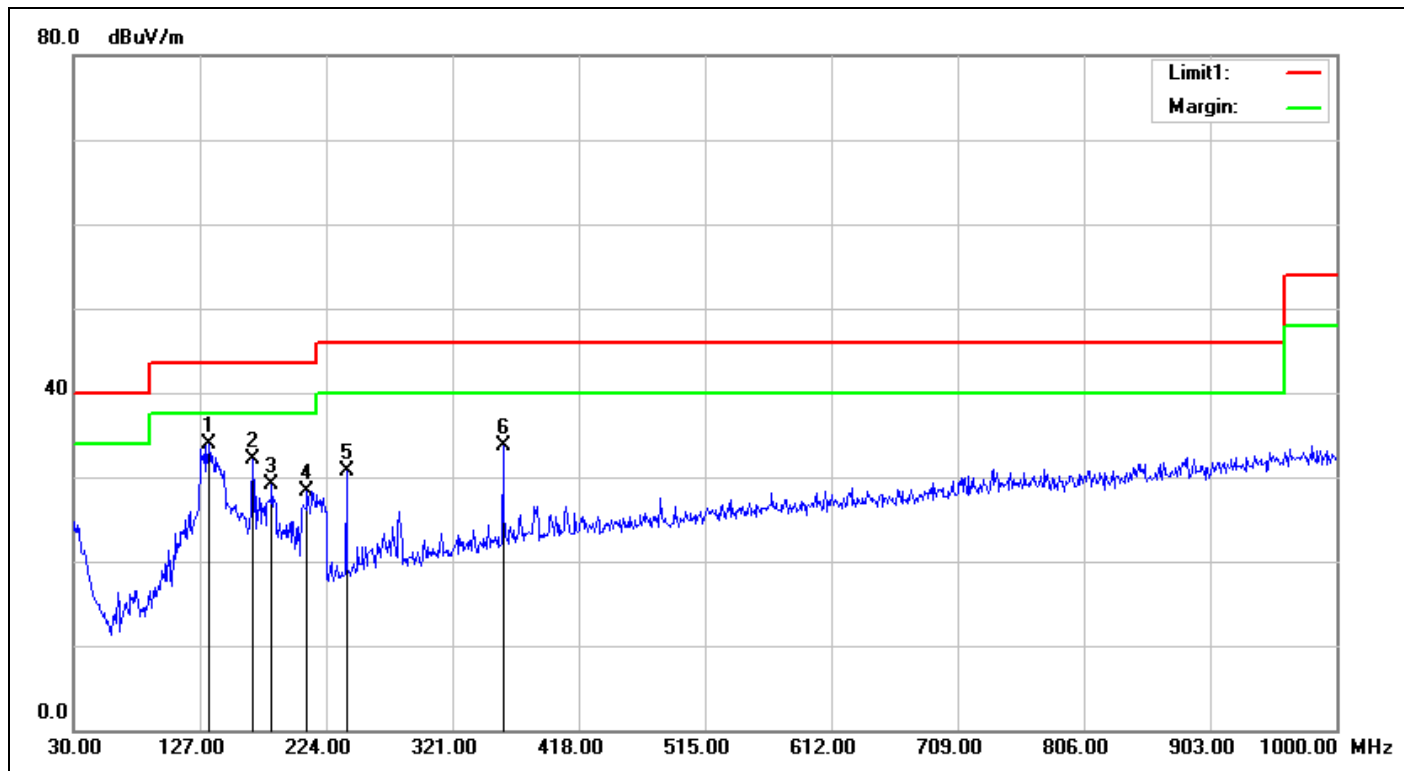
Spurious Emissions, TX Mode, 30M-1G



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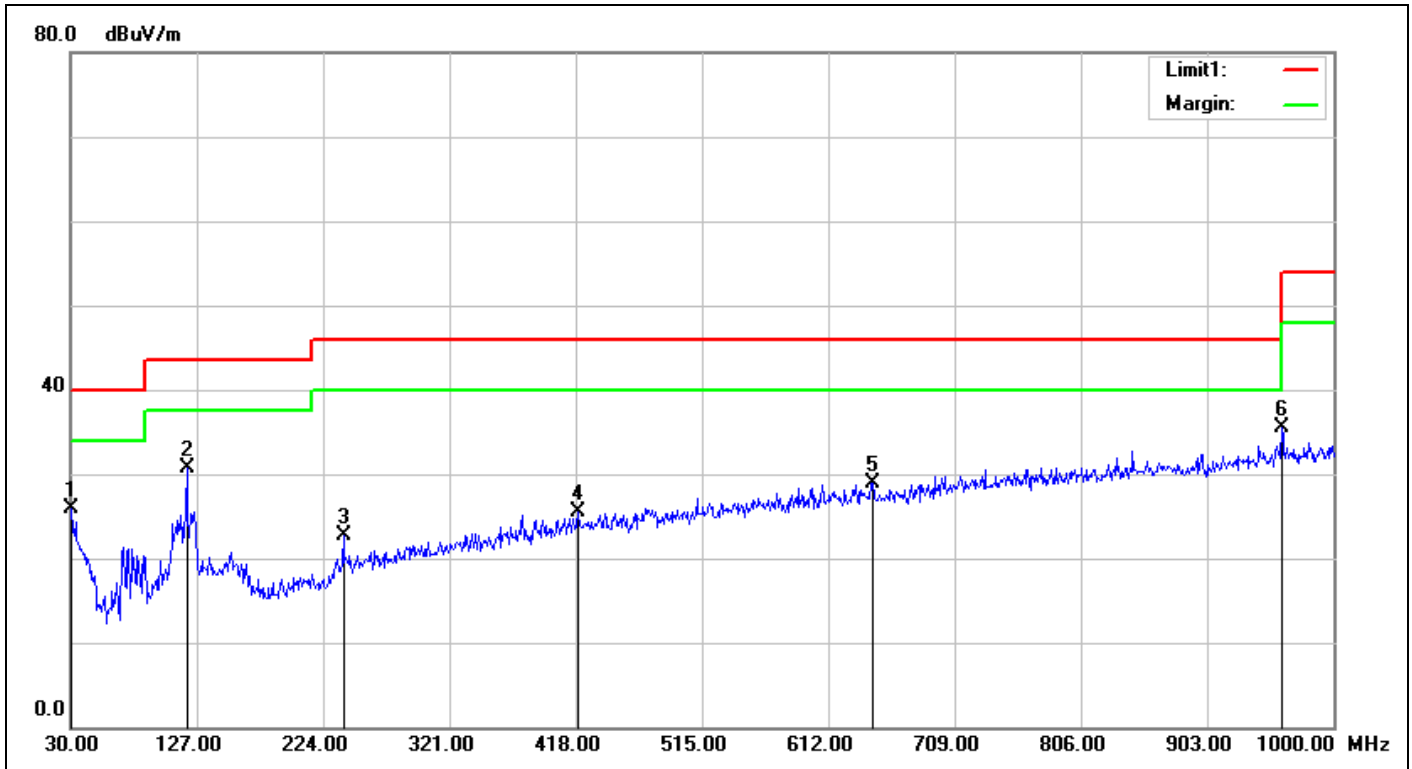
Tel:+886-2172-7000 fax:+886-2528-0018



Service No.:	114067593	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/1/31 13:51:06
Applicant:	Realtek Semiconductor Corp.	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	19(°C)/60%
Model No.:	RTL8763BA	Test Engineer:	Curry Chen
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	133.7899	-7.11	41.07	33.96	43.50	-9.54	QP	100	160	
2	167.7400	-8.78	40.93	32.15	43.50	-11.35	QP	100	304	
3	182.2899	-9.61	38.71	29.10	43.50	-14.40	QP	100	148	
4	209.4499	-8.57	36.90	28.33	43.50	-15.17	QP	100	175	
5	239.5200	-6.85	37.64	30.79	46.00	-15.21	QP	100	178	
6	359.8000	-3.16	36.83	33.67	46.00	-12.33	QP	100	93	

Spurious Emissions, TX Mode, 30M-1G



Service No.:	114067593	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/1/31 13:52:03
Applicant:	Realtek Semiconductor Corp.	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	19(°C)/60%
Model No.:	RTL8763BA	Test Engineer:	Curry Chen
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	30.0000	-0.25	26.24	25.99	40.00	-14.01	QP	100	125	
2	119.2400	-7.50	38.17	30.67	43.50	-12.83	QP	100	182	
3	239.5200	-6.85	29.64	22.79	46.00	-23.21	QP	100	101	
4	419.9400	-2.22	27.74	25.52	46.00	-20.48	QP	100	110	
5	645.9500	0.49	28.47	28.96	46.00	-17.04	QP	100	3	
6	960.2300	5.54	29.98	35.52	54.00	-18.48	QP	100	230	

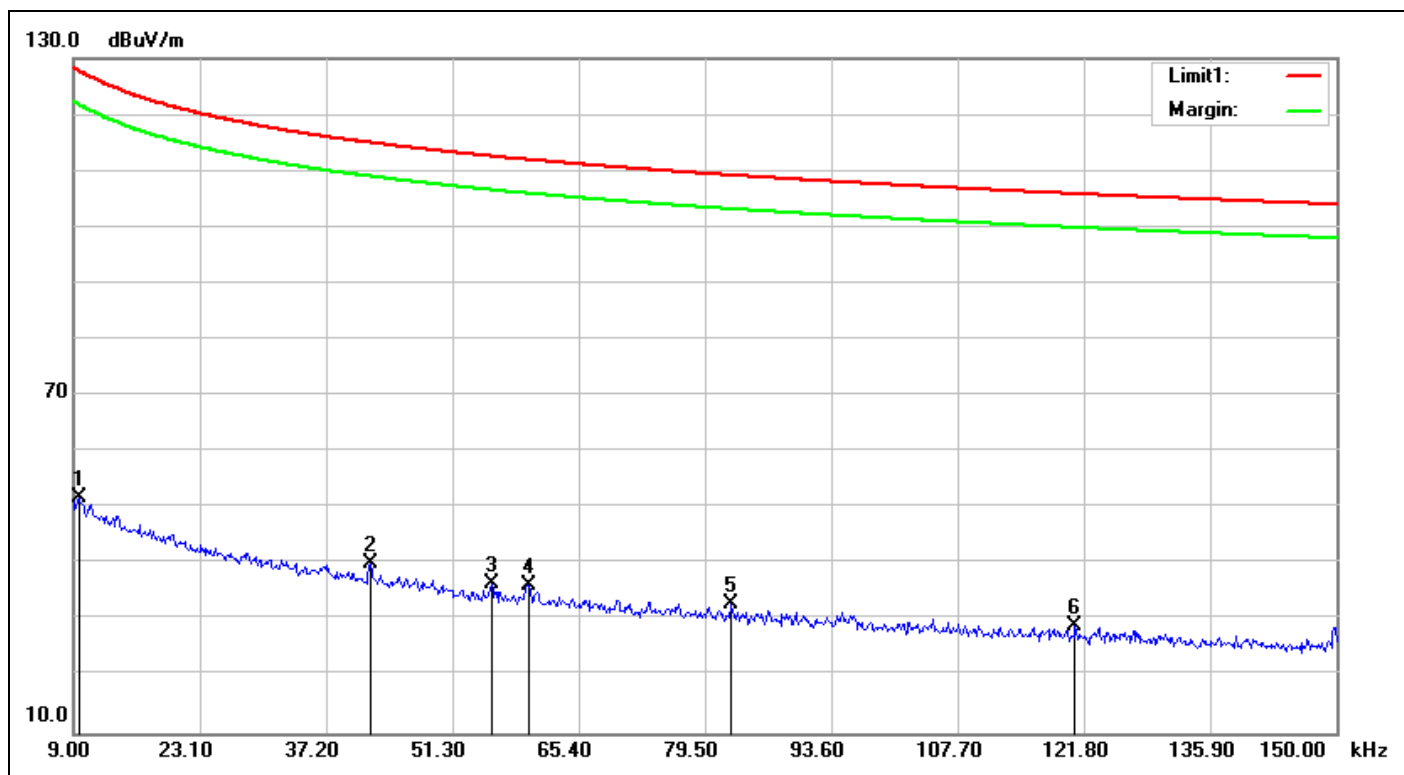
Spurious Emissions, TX Mode, 9K-30M



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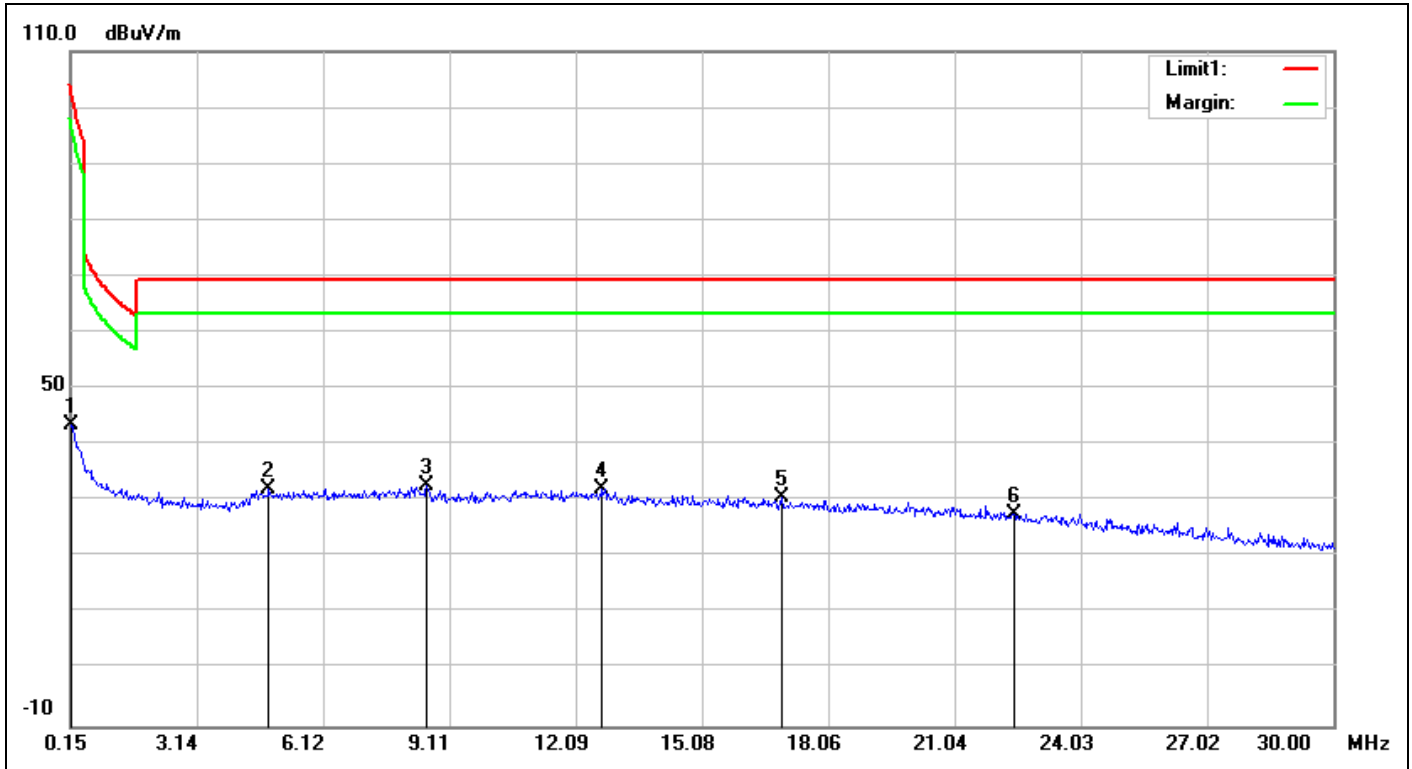
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Service No.:	114067593	Test Distance:	3m
Test Standard:	FCC2.8_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2018/1/31 14:33:23
Applicant:	Realtek Semiconductor Corp.	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%) :	19(°C)/60%
Model No.:	RTL8763BA	Test Engineer:	Curry Chen
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	0.0095	19.76	32.11	51.87	127.84	-75.97	QP	100	337	
2	0.0421	19.70	20.31	40.01	114.99	-74.98	QP	100	102	
3	0.0556	19.40	17.09	36.49	112.59	-76.10	QP	100	136	
4	0.0597	19.37	16.97	36.34	111.97	-75.63	QP	100	196	
5	0.0824	19.24	13.64	32.88	109.19	-76.31	QP	100	359	
6	0.1208	19.11	9.92	29.03	105.89	-76.86	QP	100	219	



Service No.:	114067593	Test Distance:	3m
Test Standard:	FCC2.8_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2018/1/31 14:36:32
Applicant:	Realtek Semiconductor Corp.	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%):	19(°C)/60%
Model No.:	RTL8763BA	Test Engineer:	Curry Chen
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	0.1798	19.06	24.38	43.44	102.45	-59.01	QP	100	42	
2	4.8363	19.66	12.41	32.07	69.50	-37.43	QP	100	48	
3	8.5677	20.09	12.70	32.79	69.50	-36.71	QP	100	21	
4	12.7168	20.70	11.42	32.12	69.50	-37.38	QP	100	265	
5	16.9555	21.45	9.28	30.73	69.50	-38.77	QP	100	286	
6	22.4180	22.14	5.56	27.70	69.50	-41.80	QP	100	72	

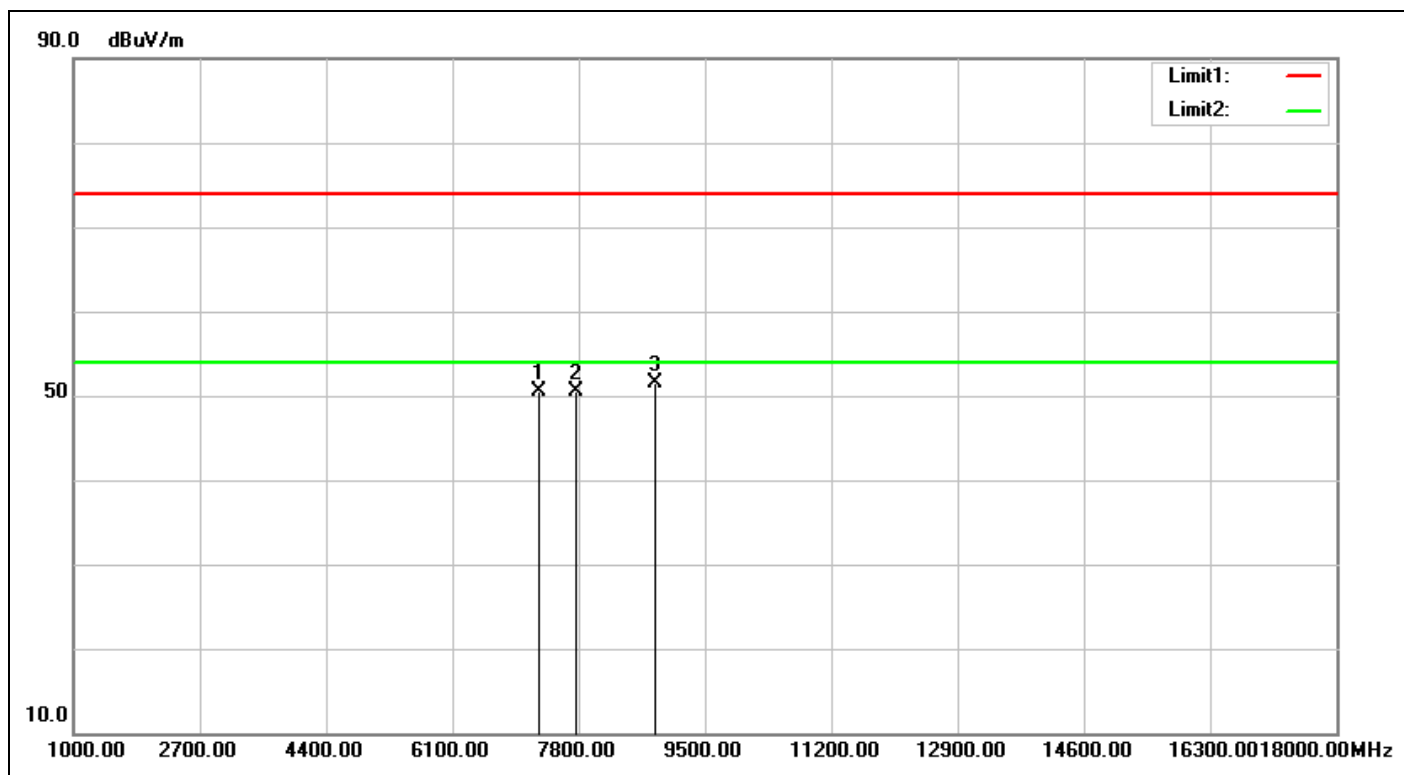
Spurious Emissions, RX Mode, 1-18G



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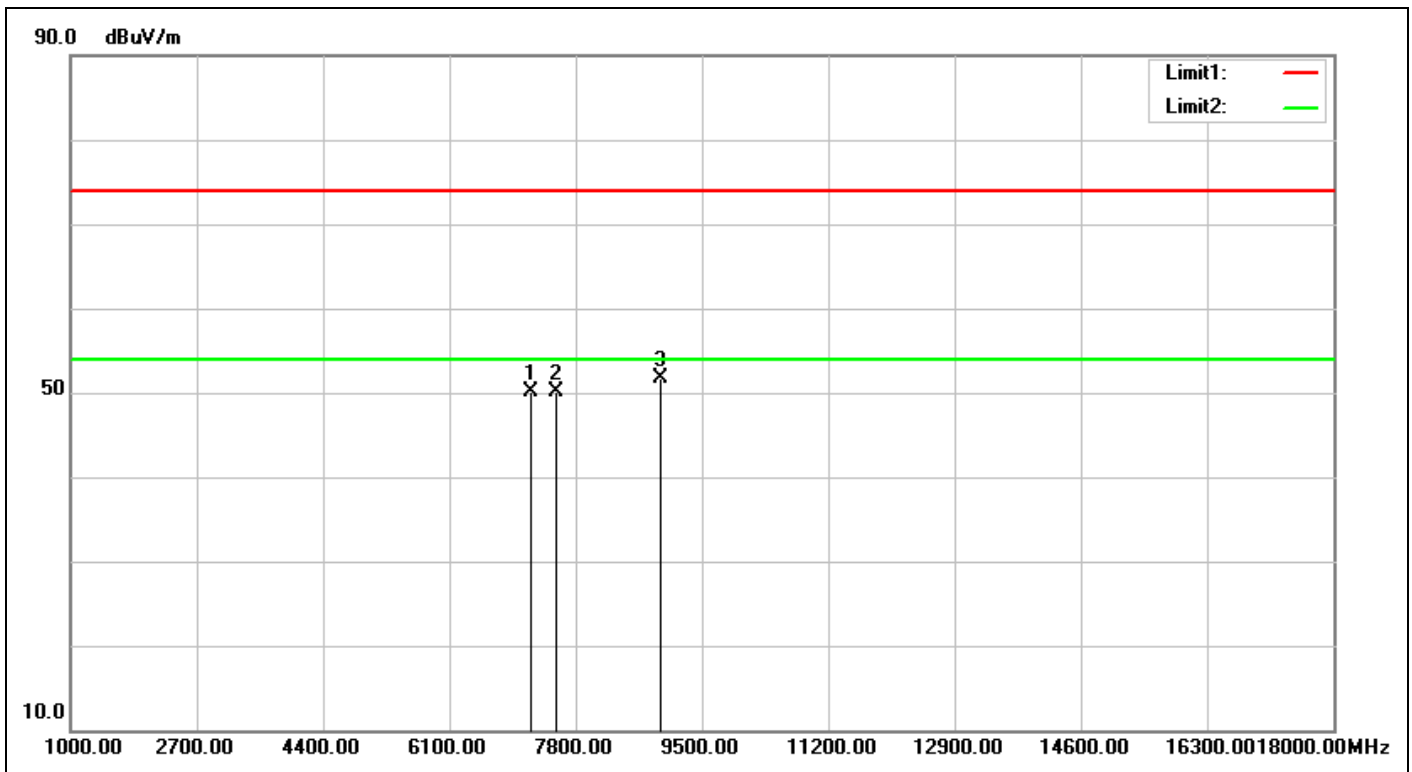
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Service No.:	114067593	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/1/29 20:15:56
Applicant:	Realtek Semiconductor Corp.	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	20(°C)/50%
Model No.:	RTL8763BA	Test Engineer:	Curry Chen
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	7273.000	4.39	46.12	50.51	74.00	-23.49	peak	200	122	
2	7766.000	4.85	45.57	50.42	74.00	-23.58	peak	200	159	
3	8837.000	5.38	46.20	51.58	74.00	-22.42	peak	200	109	



Service No.:	114067593	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/1/29 20:16:53
Applicant:	Realtek Semiconductor Corp.	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	20(°C)/50%
Model No.:	RTL8763BA	Test Engineer:	Curry Chen
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	7188.000	4.16	45.96	50.12	74.00	-23.88	peak	200	279	
2	7545.000	4.93	45.20	50.13	74.00	-23.87	peak	200	138	
3	8939.000	5.39	46.27	51.66	74.00	-22.34	peak	200	178	

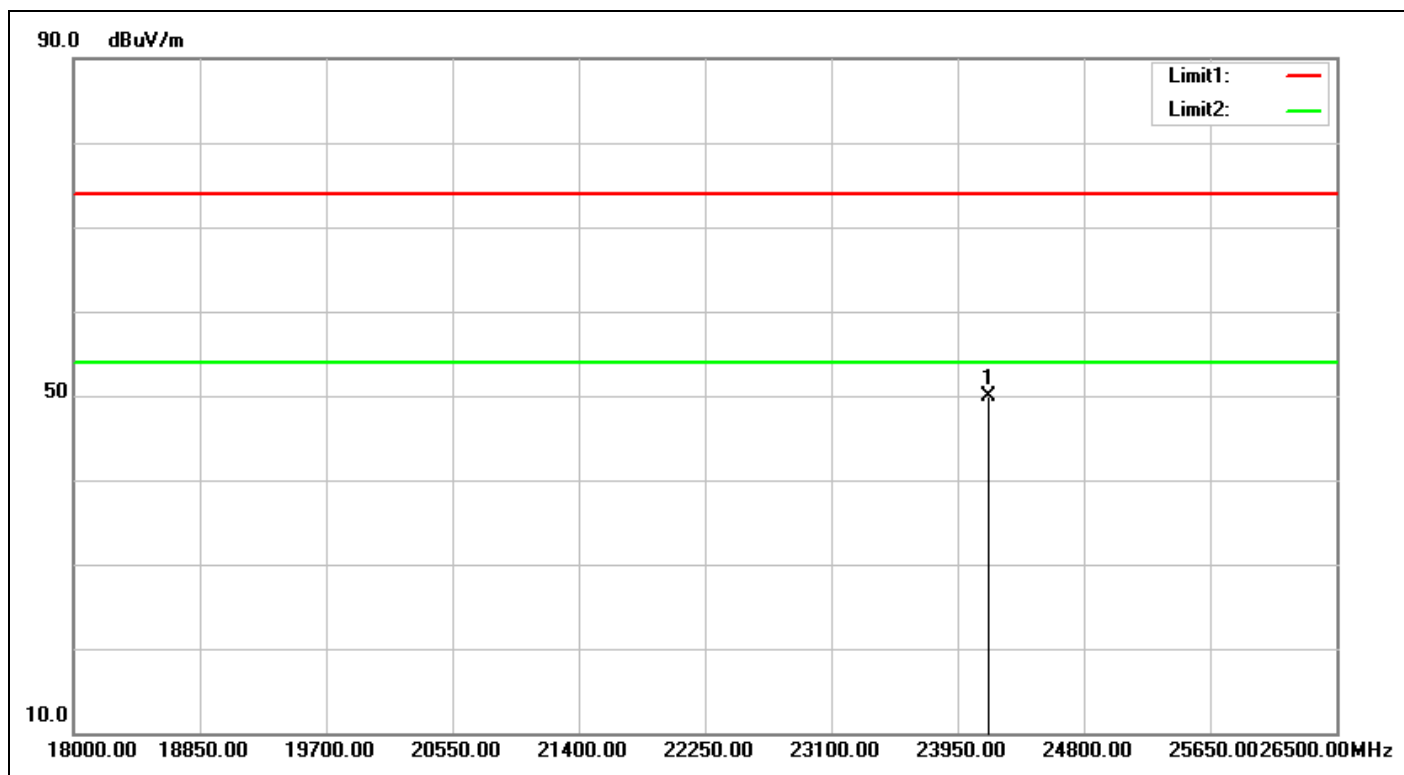
Spurious Emissions, RX Mode, 18-26.5G



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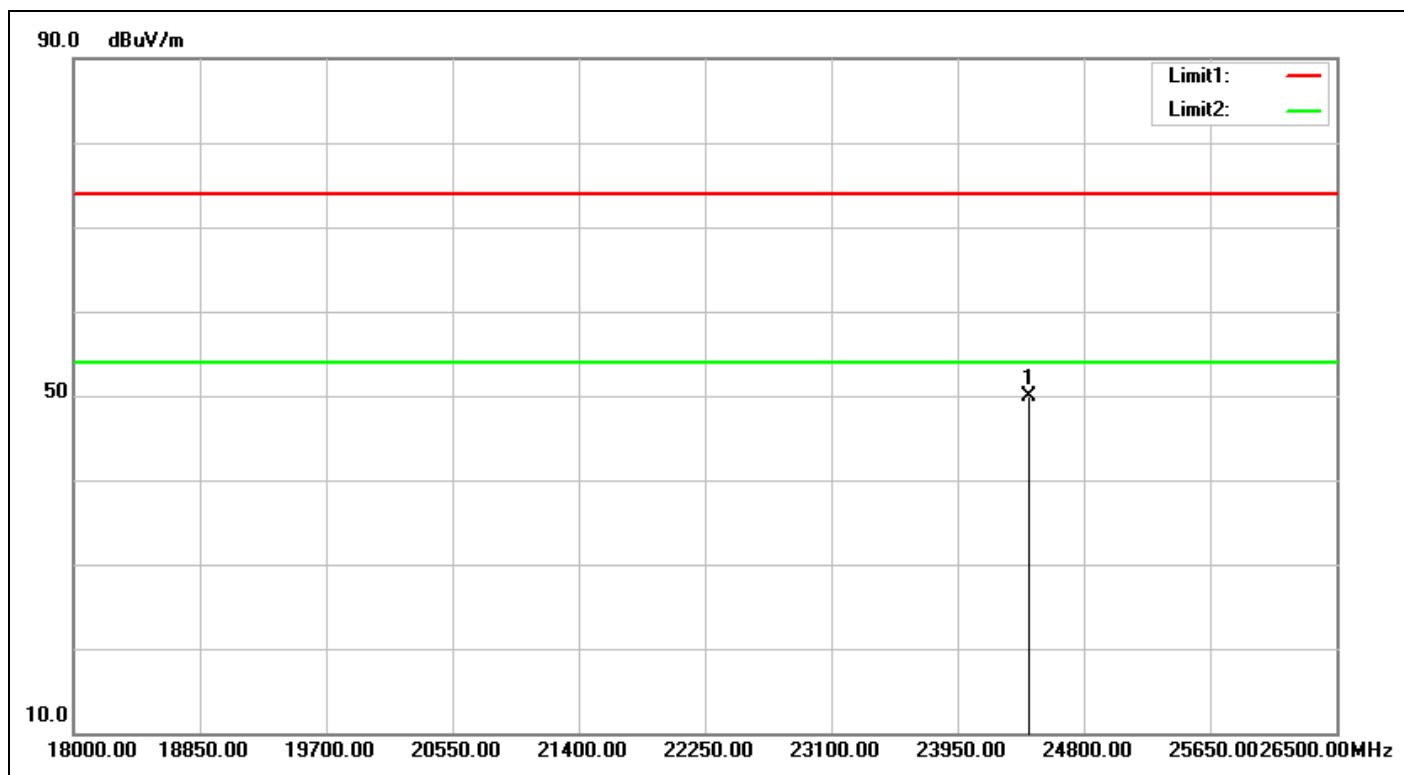
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Service No.:	114067593	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/1/29 21:22:48
Applicant:	Realtek Semiconductor Corp.	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	20(°C)/50%
Model No.:	RTL8763BA	Test Engineer:	Curry Chen
Test Mode:	1DH5-2440-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	24162.500	32.47	17.41	49.88	74.00	-24.12	peak		0	



Service No.:	114067593	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/1/29 21:22:55
Applicant:	Realtek Semiconductor Corp.	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%) :	20(°C)/50%
Model No.:	RTL8763BA	Test Engineer:	Curry Chen
Test Mode:	1DH5-2440-RX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	24426.000	32.56	17.27	49.83	74.00	-24.17	peak			

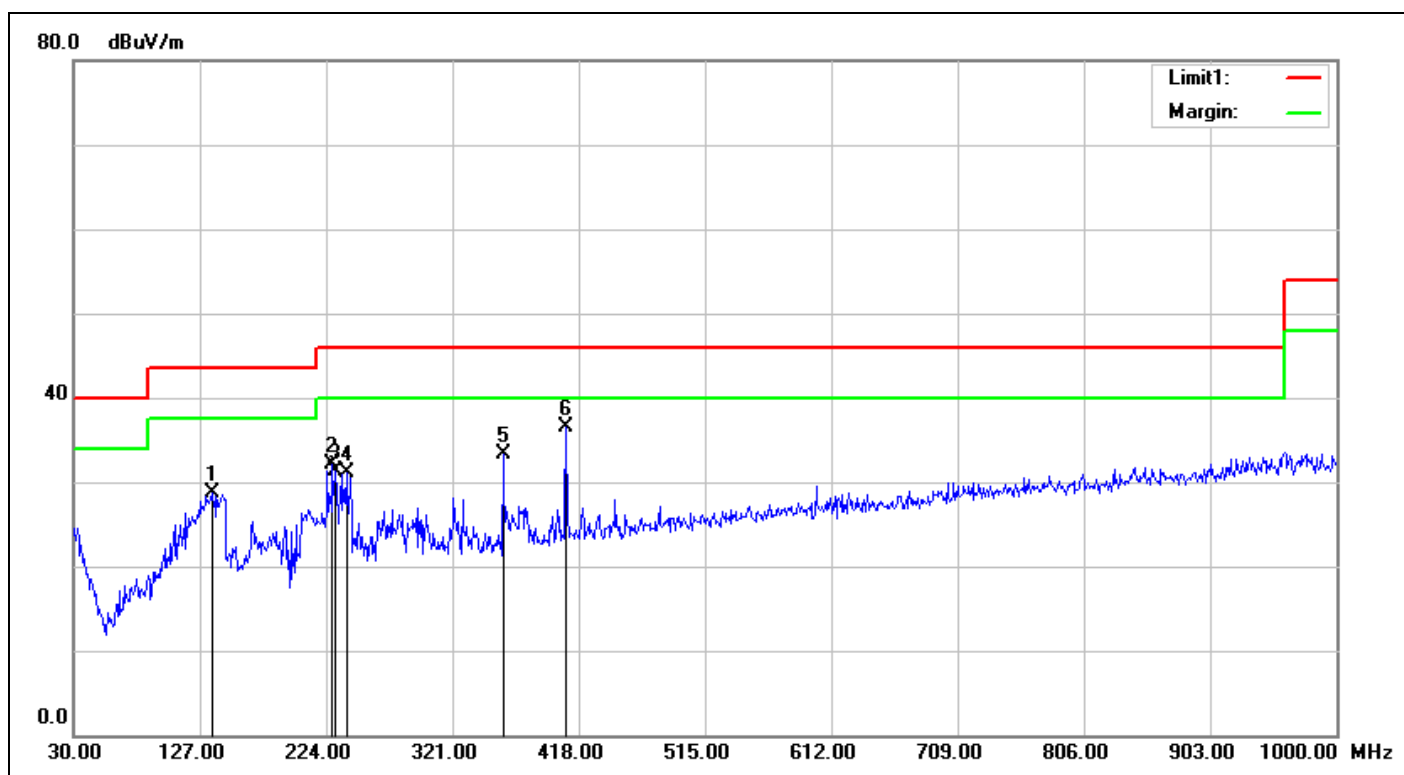
Spurious Emissions, RX Mode, 30M-1G



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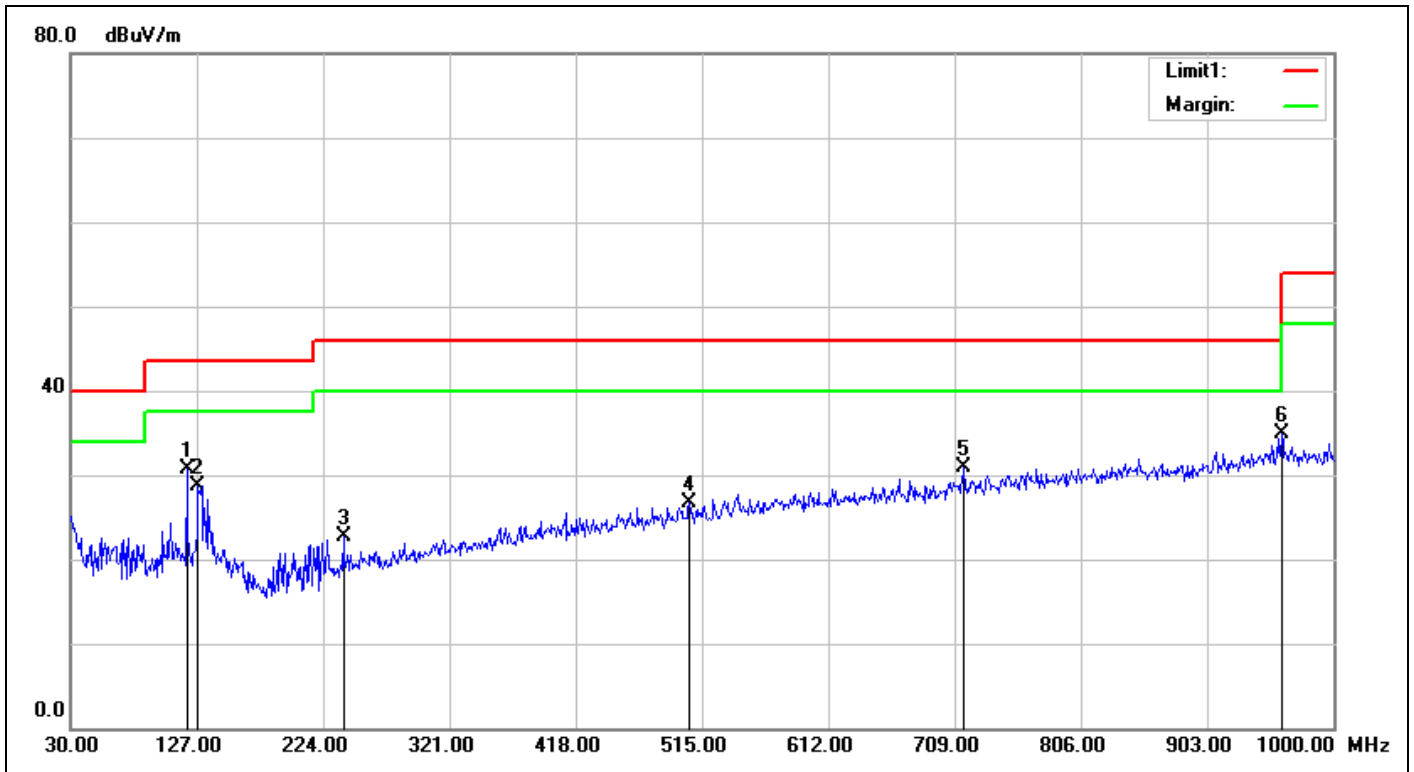
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Service No.:	114067593	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2018/1/31 13:55:05
Applicant:	Realtek Semiconductor Corp.	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%)	19(°C)/60%
Model No.:	RTL8763BA	Test Engineer:	Curry Chen
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	136.6999	-7.06	35.71	28.65	43.50	-14.85	QP	100	105	
2	228.8499	-7.65	39.80	32.15	46.00	-13.85	QP	100	160	
3	230.7899	-7.50	38.84	31.34	46.00	-14.66	QP	100	160	
4	239.5200	-6.85	37.97	31.12	46.00	-14.88	QP	100	172	
5	359.8000	-3.16	36.51	33.35	46.00	-12.65	QP	100	100	
6	408.3000	-2.35	38.86	36.51	46.00	-9.49	QP	100	118	

Spurious Emissions, RX Mode, 30M-1G



Service No.:	114067593	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2018/1/31 13:56:02
Applicant:	Realtek Semiconductor Corp.	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%) :	19(°C)/60%
Model No.:	RTL8763BA	Test Engineer:	Curry Chen
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	119.2400	-7.50	38.30	30.80	43.50	-12.70	QP	100	215	
2	127.9700	-7.24	35.90	28.66	43.50	-14.84	QP	100	255	
3	239.5200	-6.85	29.51	22.66	46.00	-23.34	QP	100	233	
4	505.3000	-1.10	27.74	26.64	46.00	-19.36	QP	100	38	
5	715.7900	1.62	29.29	30.91	46.00	-15.09	QP	100	95	
6	960.2300	5.54	29.32	34.86	54.00	-19.14	QP	100	224	

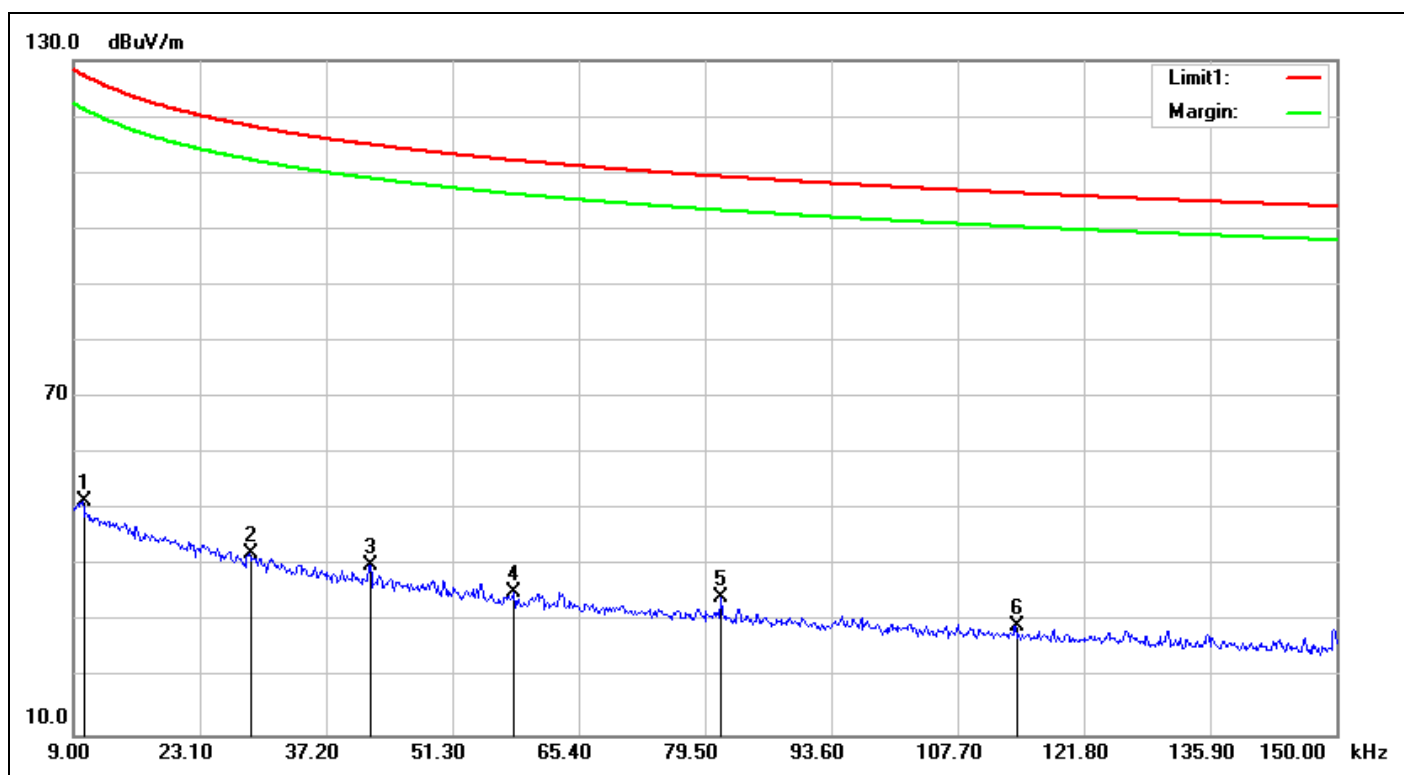
Spurious Emissions, RX Mode, 9K-30M



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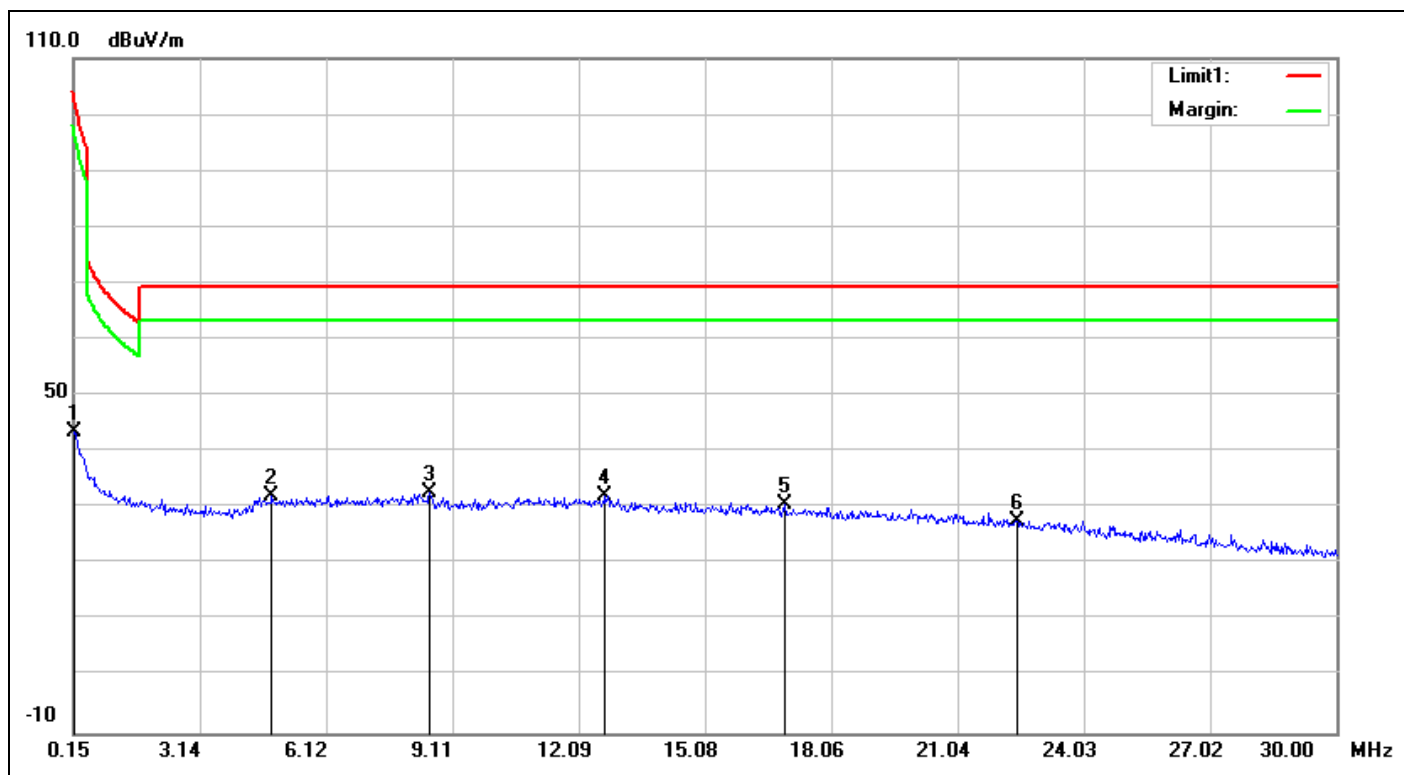
Tel:+886-2172-7000 fax:+886-2528-0018



Service No.:	114067593	Test Distance:	3m
Test Standard:	FCC2.8_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2018/1/31 14:34:20
Applicant:	Realtek Semiconductor Corp.	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%) :	19(°C)/60%
Model No.:	RTL8763BA	Test Engineer:	Curry Chen
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	0.0100	19.93	31.51	51.44	127.40	-75.96	QP	100	11	
2	0.0286	20.12	22.05	42.17	118.32	-76.15	QP	100	93	
3	0.0421	19.70	20.58	40.28	114.99	-74.71	QP	100	288	
4	0.0581	19.38	15.96	35.34	112.21	-76.87	QP	100	351	
5	0.0813	19.24	15.11	34.35	109.31	-74.96	QP	100	237	
6	0.1142	19.12	10.22	29.34	106.37	-77.03	QP	100	345	

Spurious Emissions, RX Mode, 9k-30M



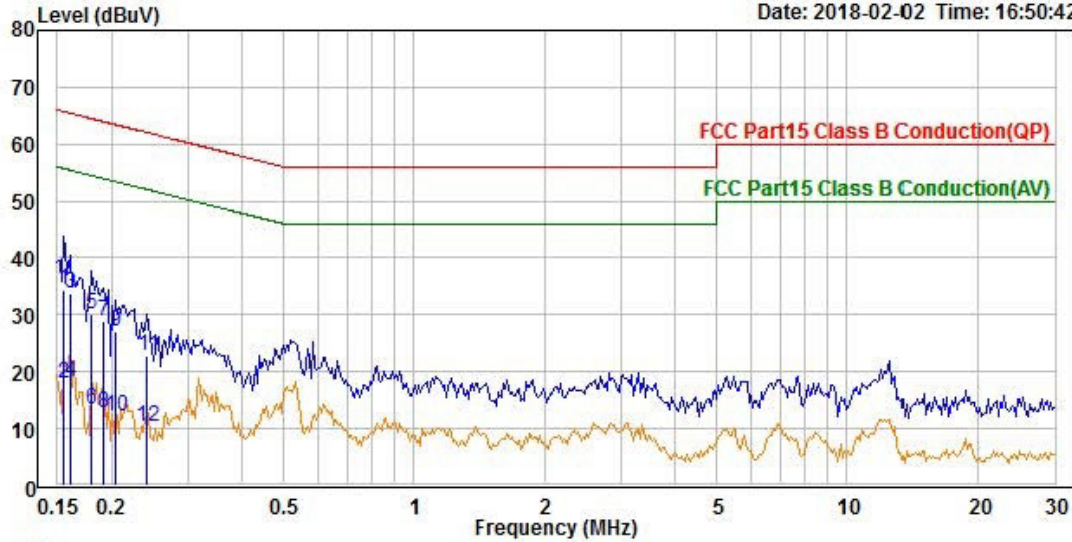
Service No.:	114067593	Test Distance:	3m
Test Standard:	FCC2.8_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2018/1/31 14:36:32
Applicant:	Realtek Semiconductor Corp.	Test Rating:	DC 5V
Product:	Bluetooth Module	Temp.(°C)/Hum.(%) :	19(°C)/60%
Model No.:	RTL8763BA	Test Engineer:	Curry Chen
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	0.1798	19.06	24.38	43.44	102.45	-59.01	QP	100	42	
2	4.8363	19.66	12.41	32.07	69.50	-37.43	QP	100	48	
3	8.5677	20.09	12.70	32.79	69.50	-36.71	QP	100	21	
4	12.7168	20.70	11.42	32.12	69.50	-37.38	QP	100	265	
5	16.9555	21.45	9.28	30.73	69.50	-38.77	QP	100	286	
6	22.4180	22.14	5.56	27.70	69.50	-41.80	QP	100	72	

Mains Spurious Emissions

File: C:\EMC\Report\2018\Realtek\114067593(TBD)\1\1_00001.EMI

Date: 2018-02-02 Time: 16:50:42

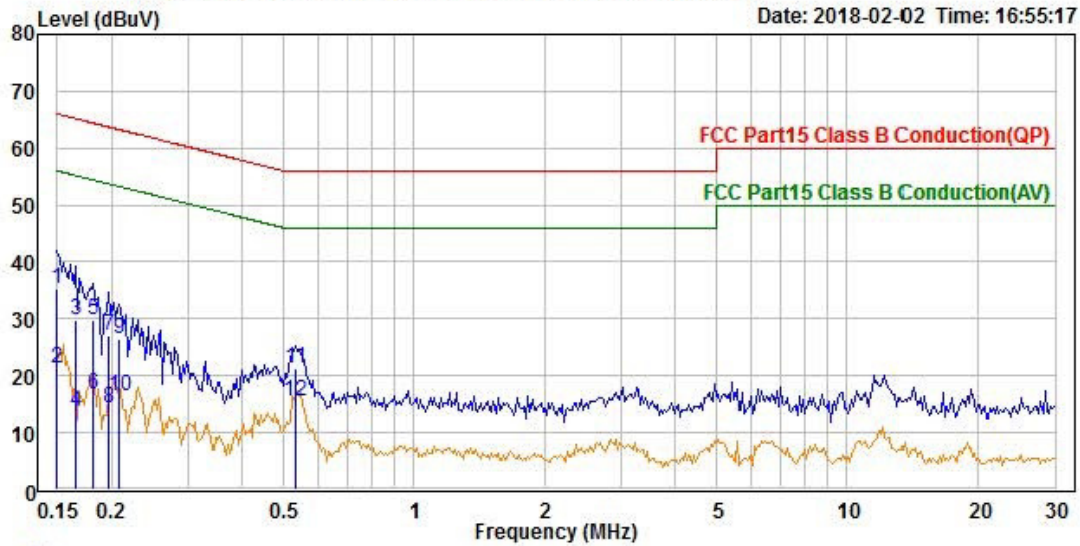


Trace: 1

Site : Conduction room
Condition : FCC Part15 Class B Conduction(QP) line1
Test Engineer: Curry Chen
Applicant : Realtek Semiconductor Corp.
Product : Bluetooth Module
Model No. : RTL8763BA
Test Rating : 120Vac/60Hz
Tmp/Hum : 19.2°C / 48%
Memo : Mains

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.155	24.80	9.66	34.46	65.75	-31.29	QP
2	0.155	8.16	9.66	17.82	55.75	-37.93	Average
3	0.161	24.21	9.66	33.87	65.42	-31.55	QP
4	0.161	8.55	9.66	18.21	55.42	-37.21	Average
5	0.179	20.51	9.66	30.17	64.51	-34.34	QP
6	0.179	3.66	9.66	13.32	54.51	-41.19	Average
7	0.192	19.32	9.66	28.98	63.94	-34.96	QP
8	0.192	3.14	9.66	12.80	53.94	-41.14	Average
9	0.204	17.31	9.66	26.97	63.44	-36.47	QP
10	0.204	2.43	9.66	12.09	53.44	-41.35	Average
11	0.242	13.14	9.66	22.80	62.04	-39.24	QP
12	0.242	0.58	9.66	10.24	52.04	-41.80	Average

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Trace: 1

Site : Conduction room
Condition : FCC Part15 Class B Conduction(QP) neutral
Test Engineer: Curry Chen
Applicant : Realtek Semiconductor Corp.
Product : Bluetooth Module
Model No. : RTL8763BA
Test Rating : 120Vac/60Hz
Tmp/Hum : 19.2°C / 48%
Memo : Mains

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.150	25.50	9.67	35.17	66.00	-30.83	QP
2	0.150	11.62	9.67	21.29	56.00	-34.71	Average
3	0.166	20.24	9.67	29.91	65.17	-35.26	QP
4	0.166	4.17	9.67	13.84	55.17	-41.33	Average
5	0.181	20.23	9.67	29.90	64.43	-34.53	QP
6	0.181	7.02	9.67	16.69	54.43	-37.74	Average
7	0.196	17.26	9.67	26.93	63.77	-36.84	QP
8	0.196	4.59	9.67	14.26	53.77	-39.51	Average
9	0.208	16.80	9.67	26.47	63.28	-36.81	QP
10	0.208	6.82	9.67	16.49	53.28	-36.79	Average
11	0.530	11.68	9.66	21.34	56.00	-34.66	QP
12	0.530	5.82	9.66	15.48	46.00	-30.52	Average