

Test Report No.10051115 001

Appendix D: Radiated and Mains Spurious Emission Data

(File: 10051115 AppendixD)

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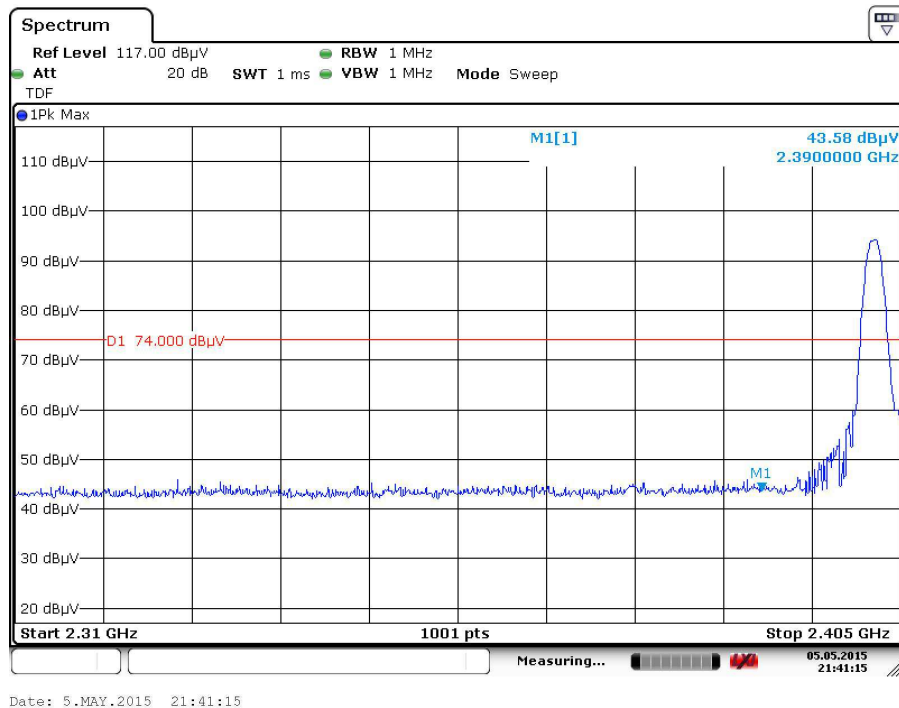
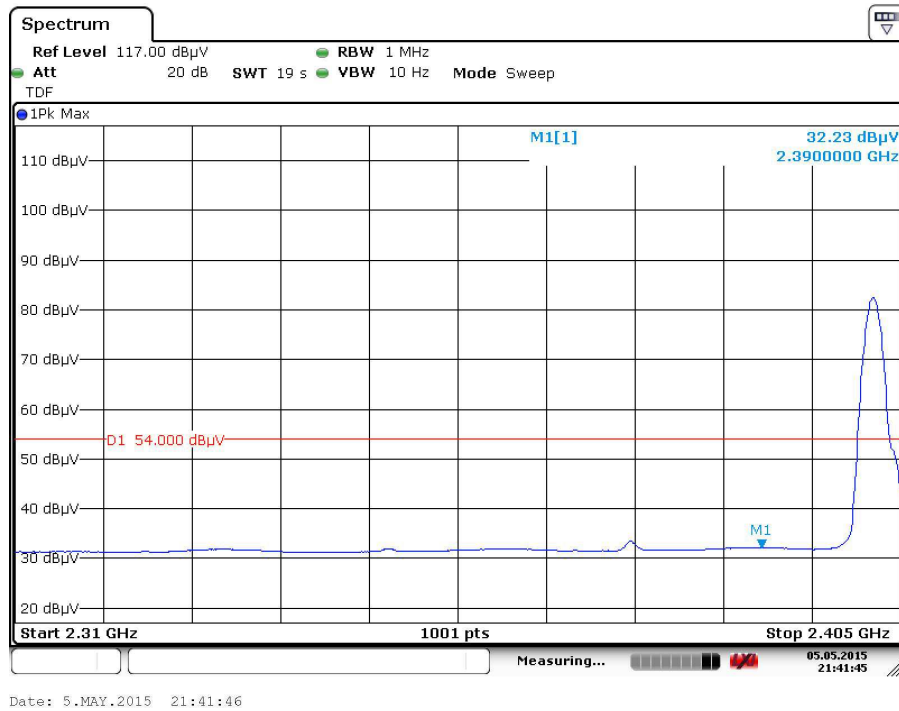
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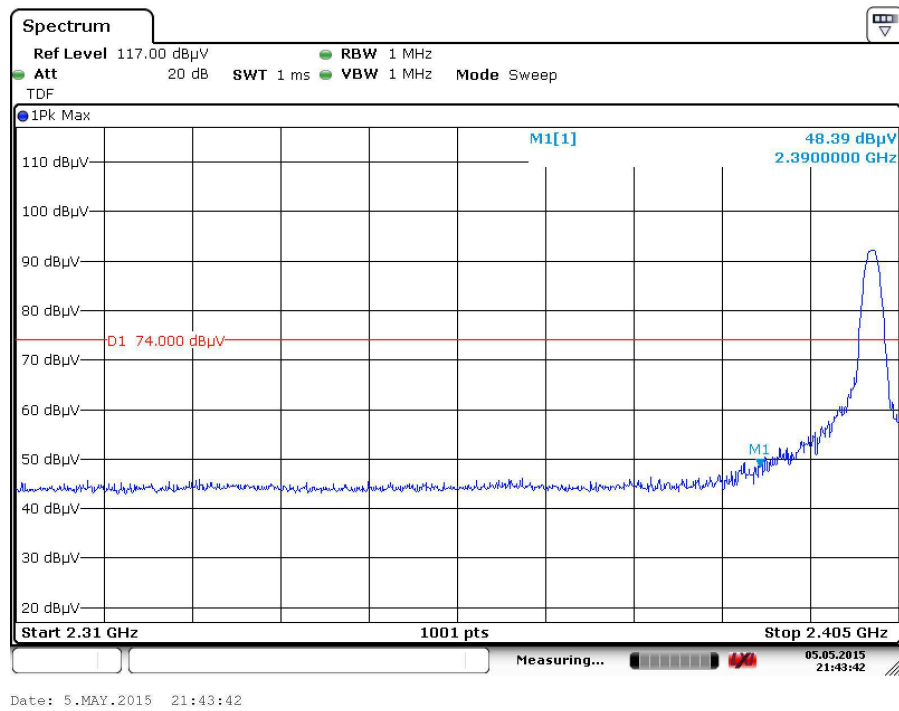
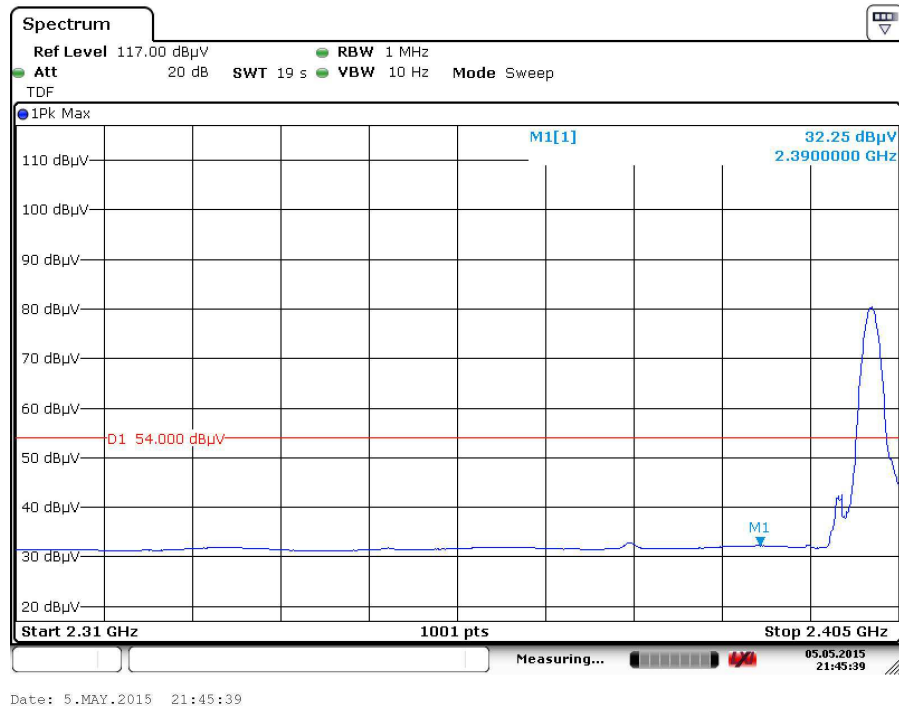
Radiated Bandedge (GFSK)

Low Channel (Hor)



Spurious Emissions, Band Edge, 2.35-2.5G

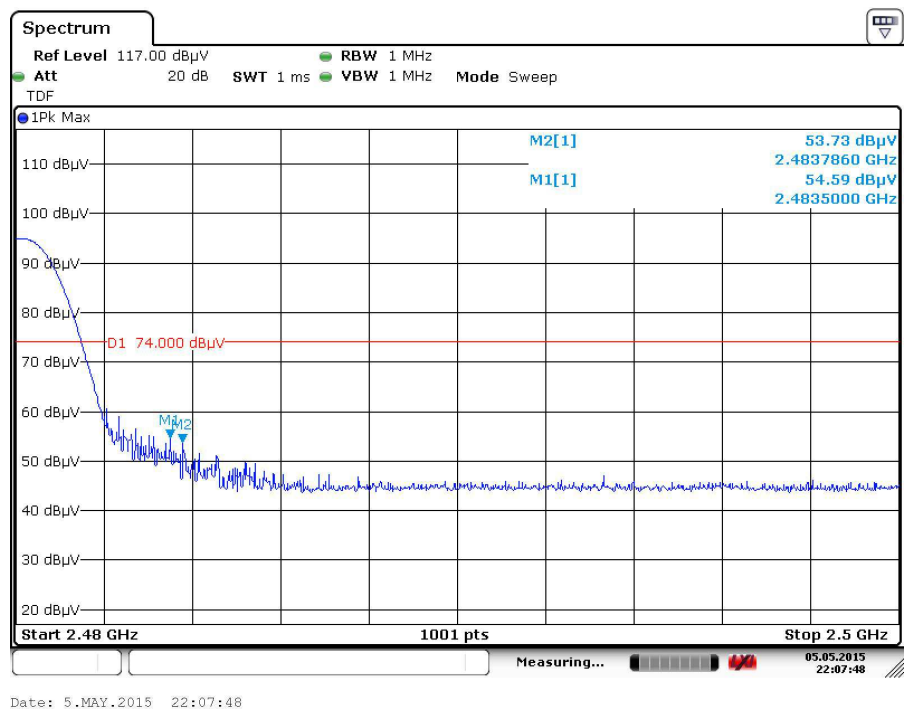
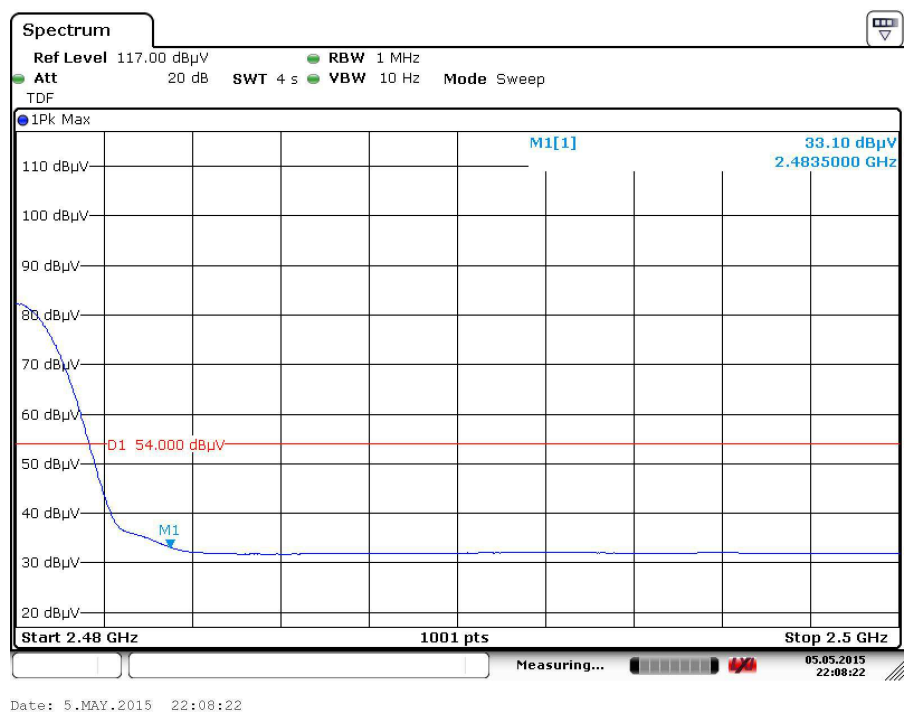
Low Channel (Ver)



Spurious Emissions, Band Edge, 2.35-2.5G

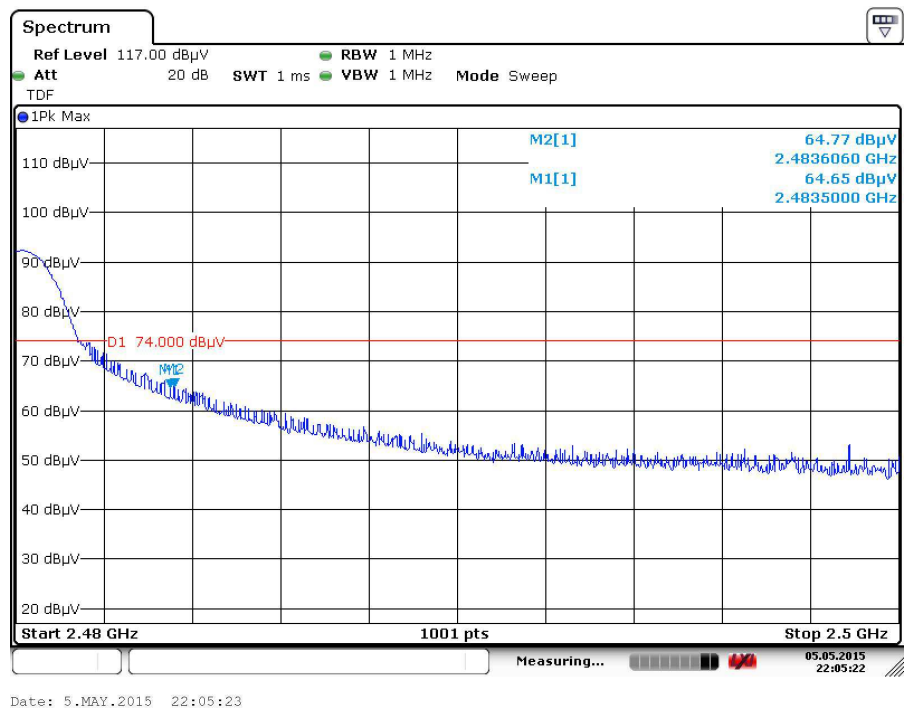
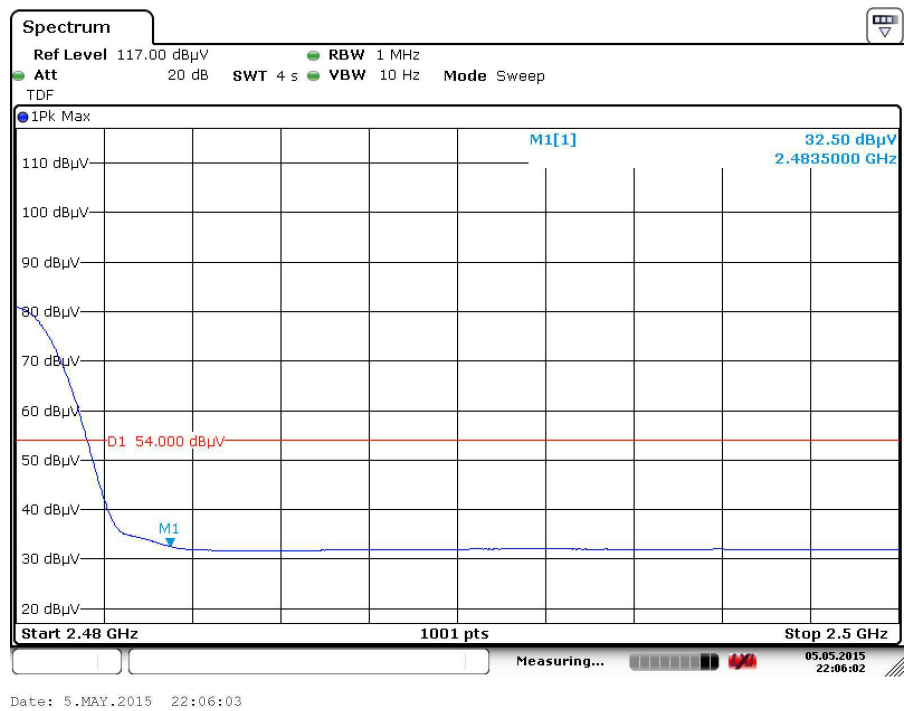
Radiated Bandedge (GFSK)

High Channel (Hor)



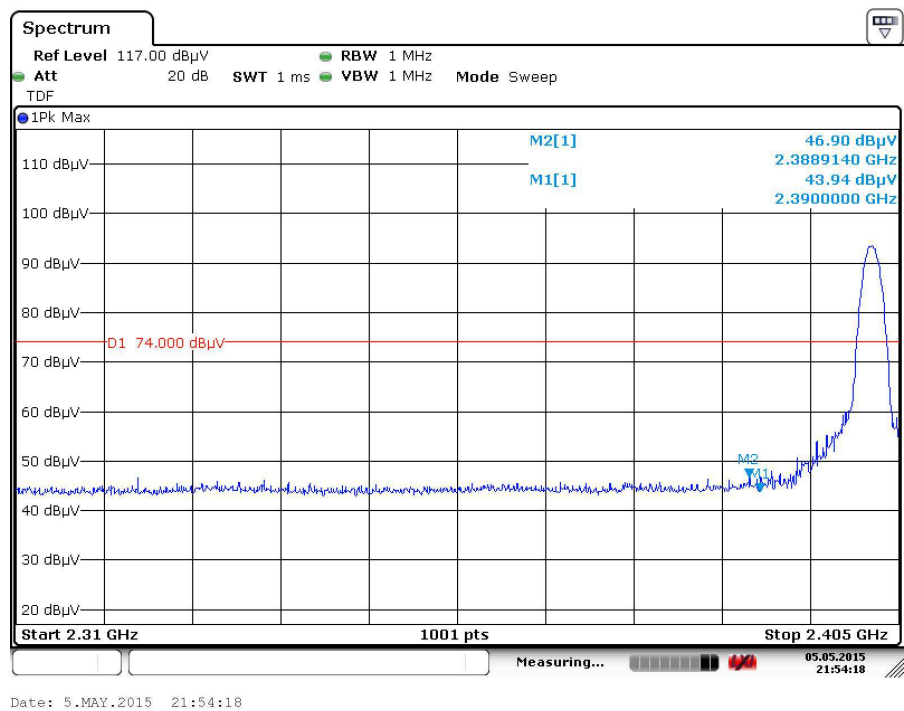
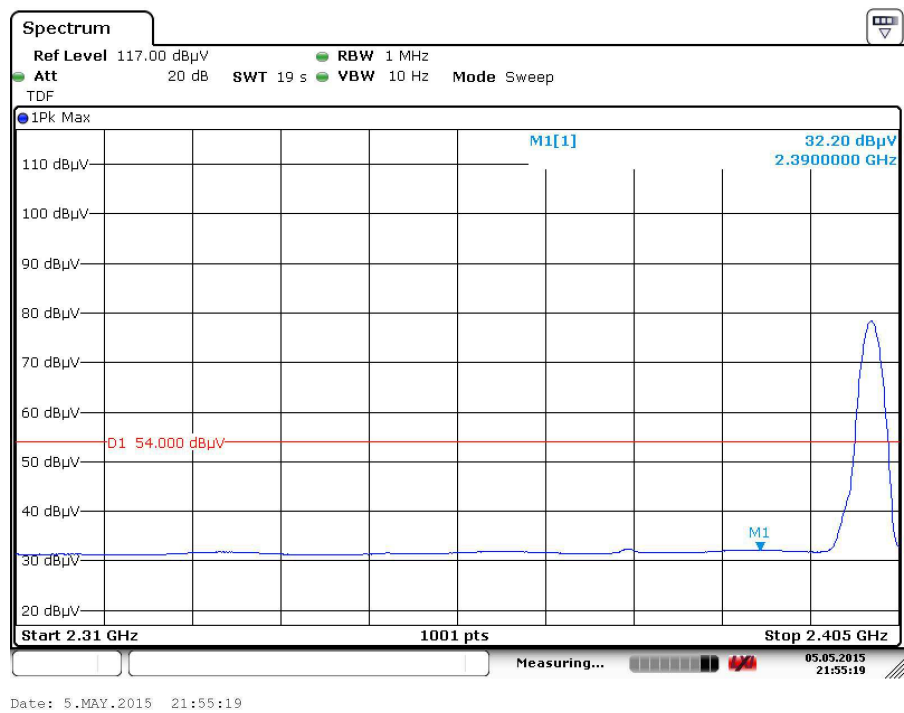
Spurious Emissions, Band Edge, 2.35-2.5G

High Channel (Ver)

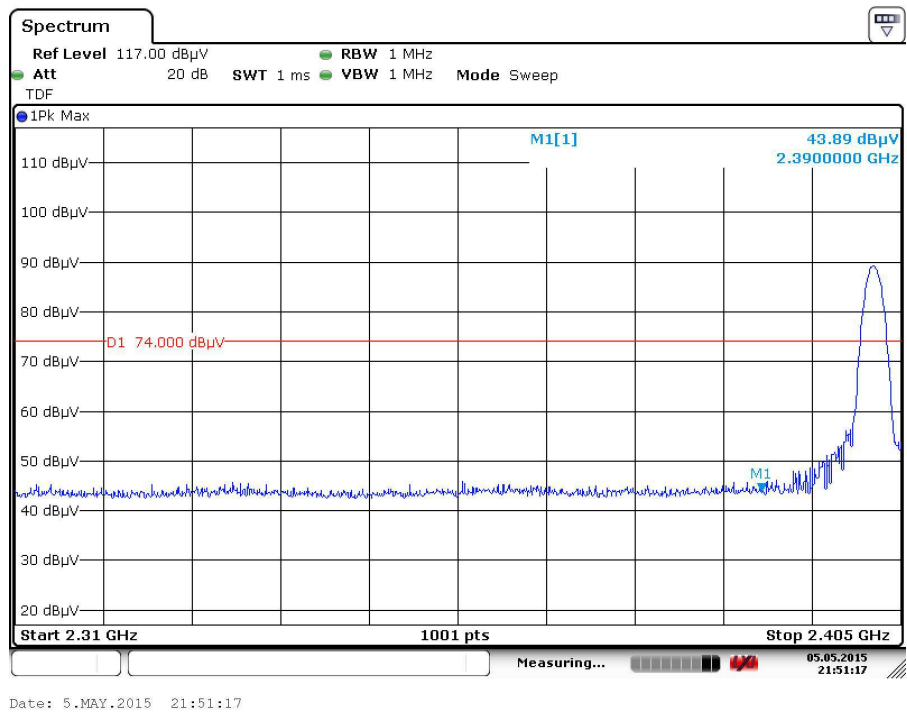
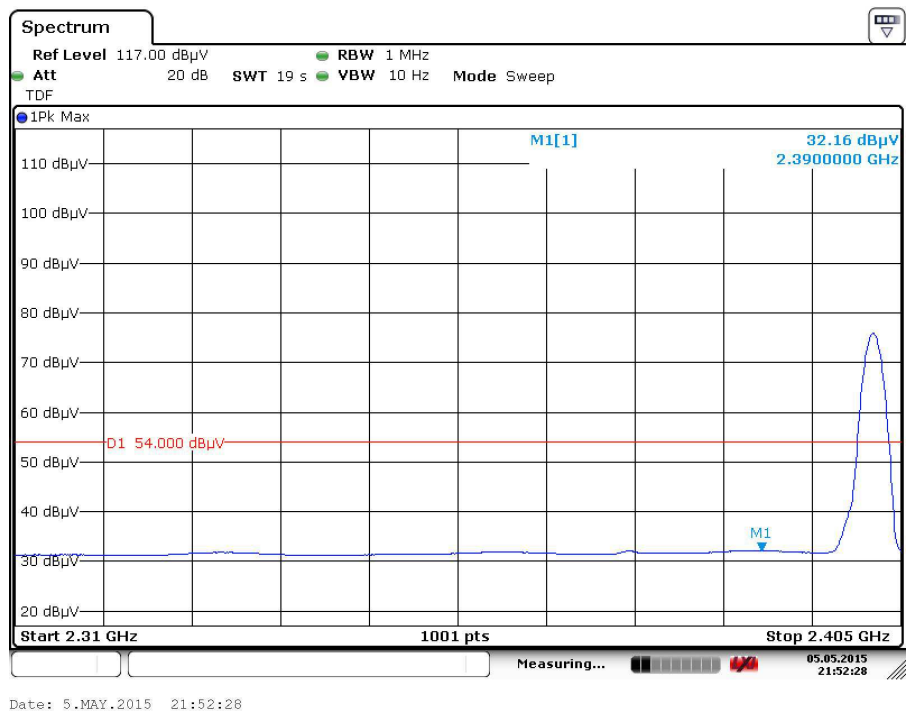


Radiated Bandedge (8DPSK)

Low Channel (Hor)



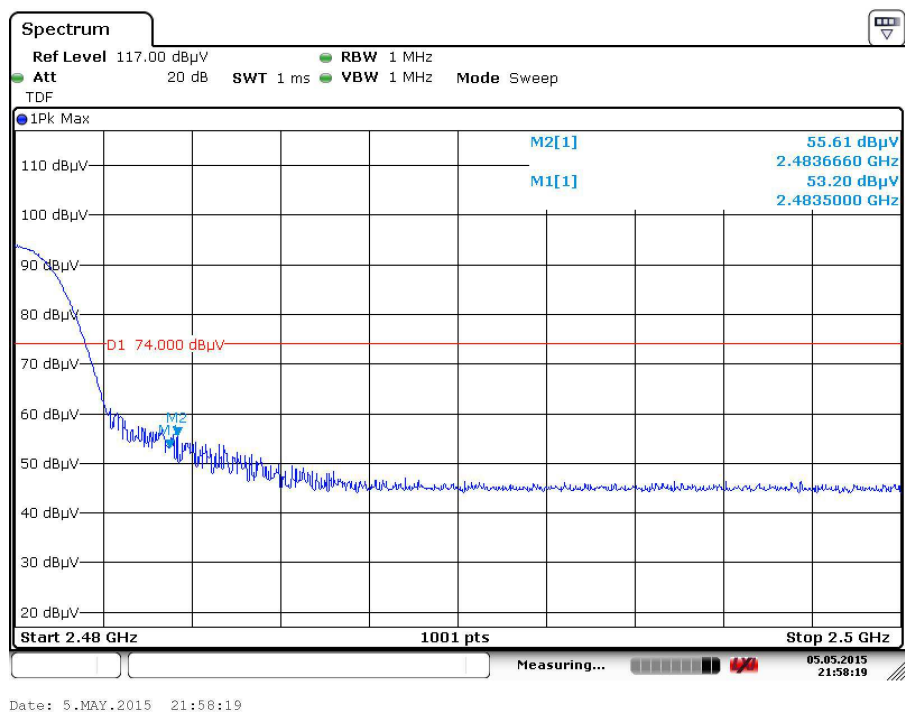
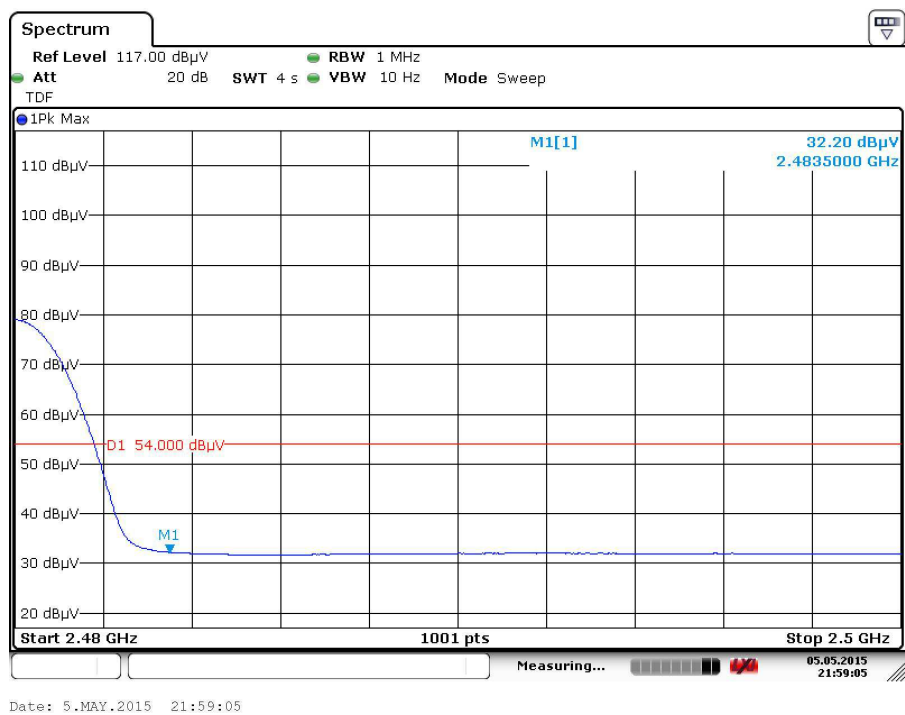
Low Channel (Ver)



Spurious Emissions, Band Edge, 2.35-2.5G

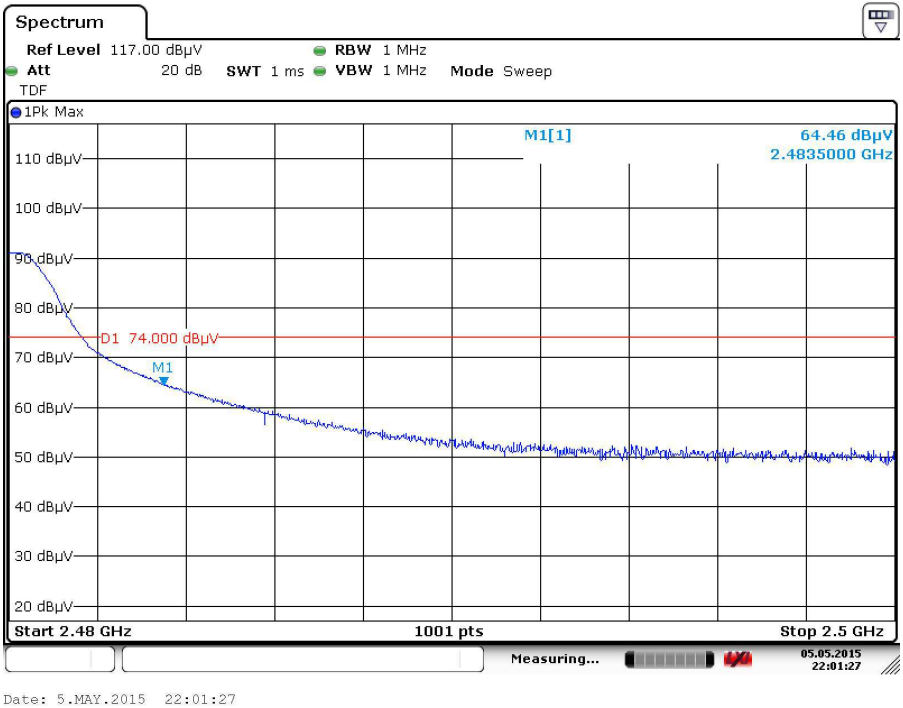
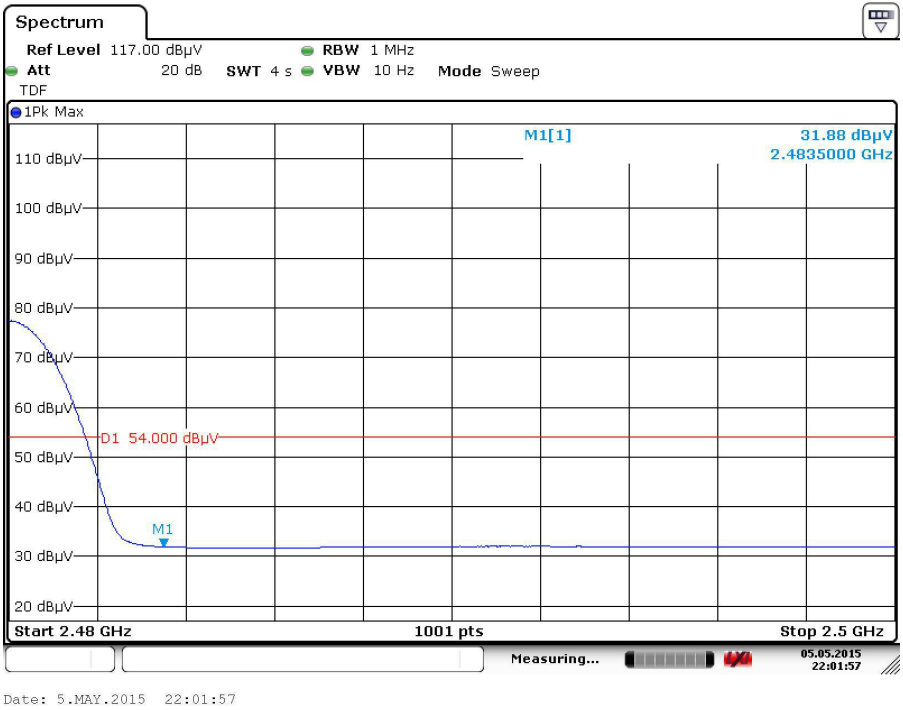
Radiated Bandedge (8DPSK)

High Channel (Hor)



Spurious Emissions, Band Edge, 2.35-2.5G

High Channel (Ver)



Spurious Emissions, Band Edge, 2.35-2.5G

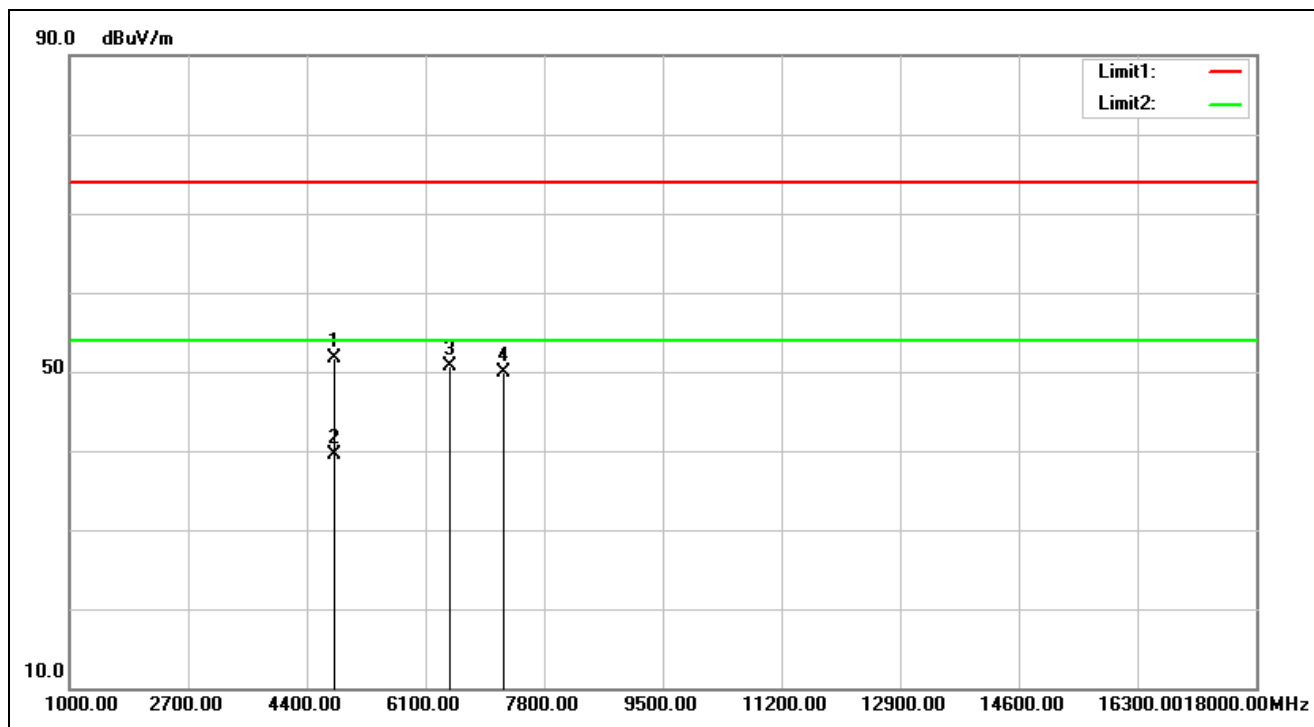
Spurious Emissions, TX Mode, 1-18G



TUV Taiwan

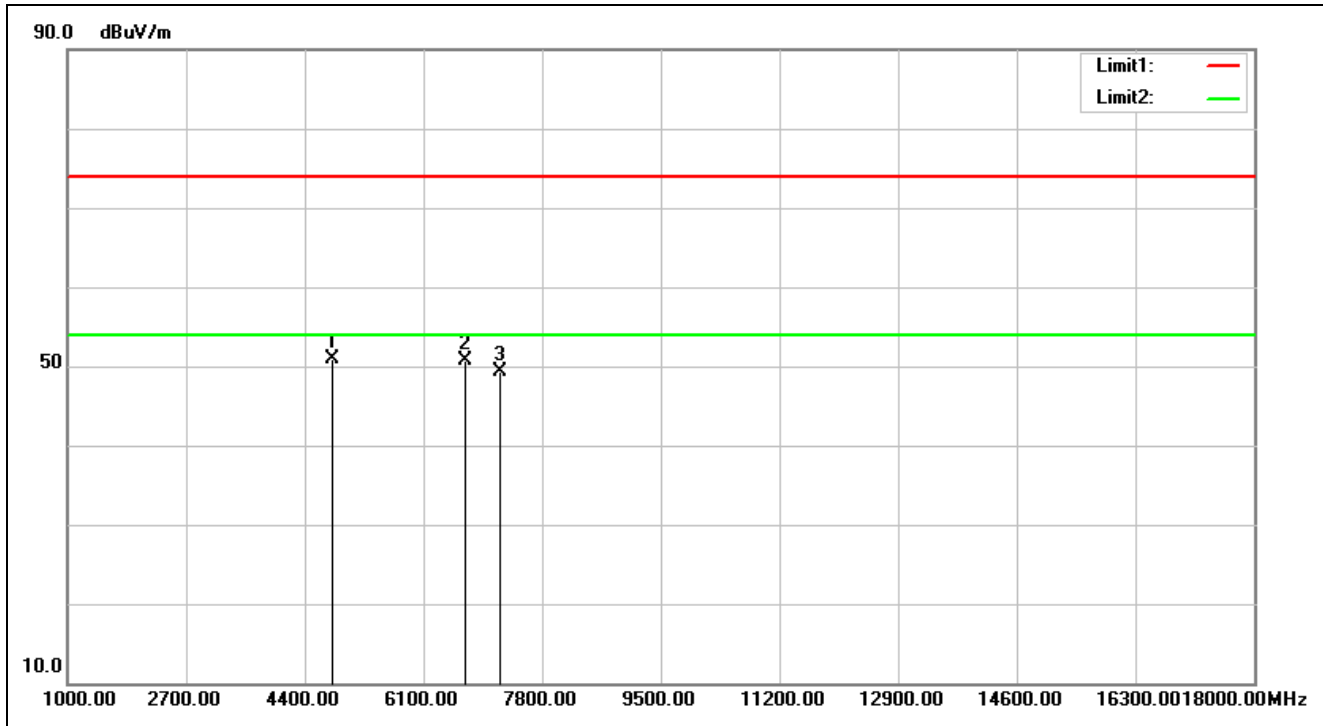
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



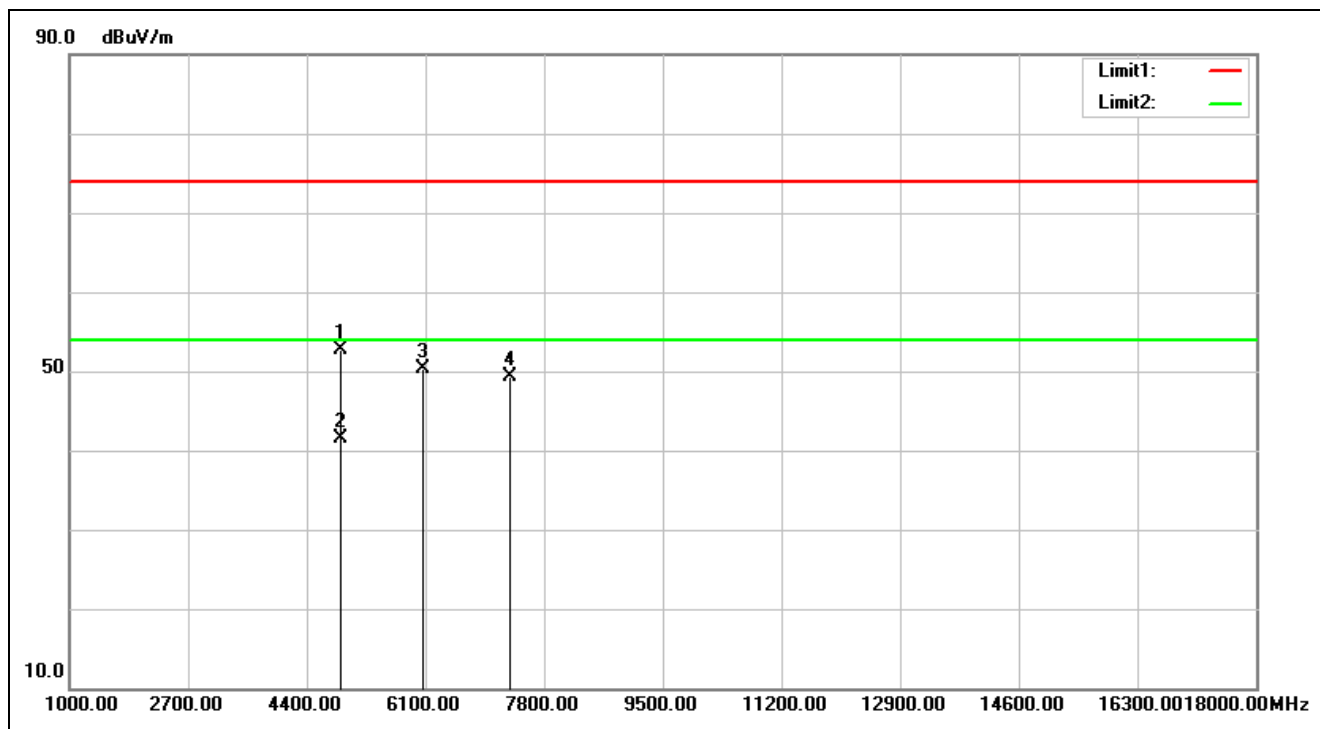
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/5/5 22:46:29
Applicant:	Bluetooth Special Interest Group, Inc.	Test Rating:	
Product:	Bluetooth PTS 4.1 USB dongle	Temp.(°C)/Hum.(%):	21.1(°C)/56%
Model No.:	VD-3SIG	Test Engineer:	Sam Su
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	-2.35	54.02	51.67	74.00	-22.33	peak	100	177	
2	4804.000	-2.35	41.77	39.42	54.00	-14.58	AVG	100	177	
3	6457.000	5.87	44.86	50.73	74.00	-23.27	peak	100	128	
4	7206.000	5.78	44.11	49.89	74.00	-24.11	peak		0	



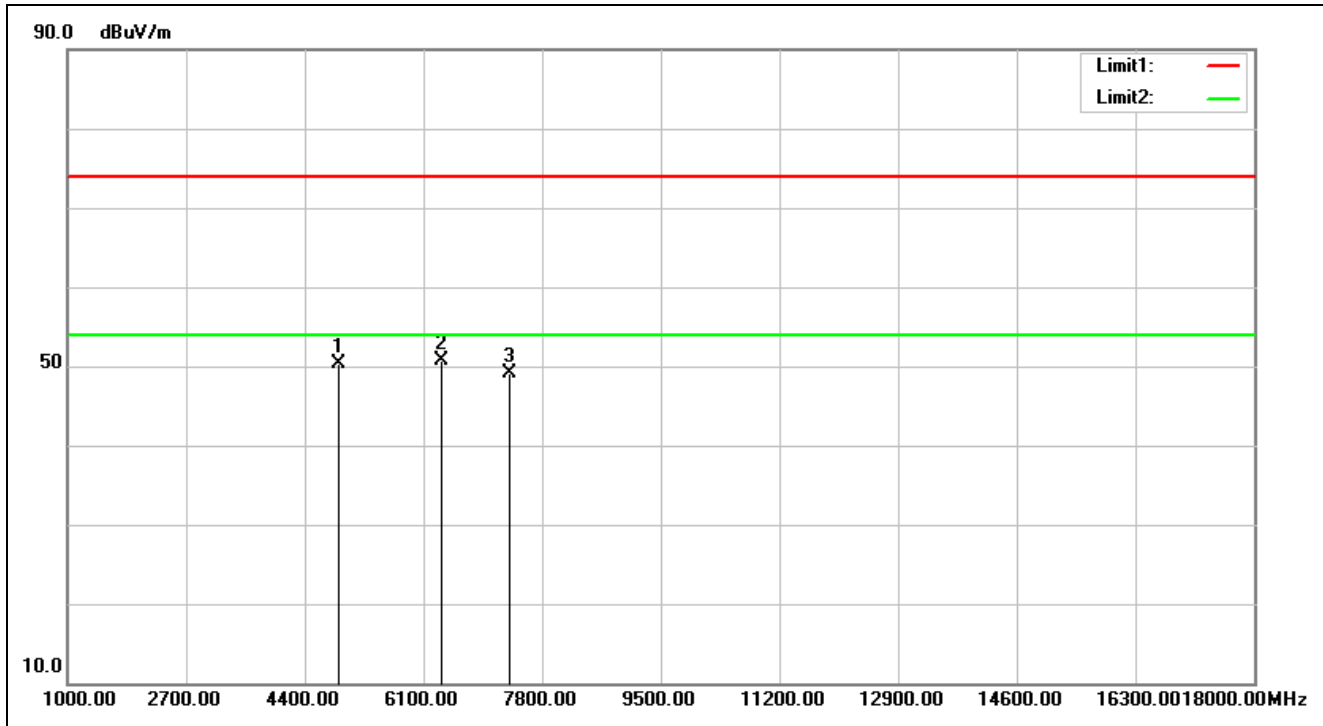
Service No.:	114033077-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/5/5 22:47:32
Applicant:	Bluetooth Special Interest Group, Inc.	Test Rating:	
Product:	Bluetooth PTS 4.1 USB dongle	Temp.(°C)/Hum.(%)	21.1(°C)/56%
Model No.:	VD-3SIG	Test Engineer:	Sam Su
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	-2.35	53.24	50.89	74.00	-23.11	peak	100	171	
2	6695.000	5.70	45.10	50.80	74.00	-23.20	peak	100	144	
3	7206.000	5.78	43.44	49.22	74.00	-24.78	peak			



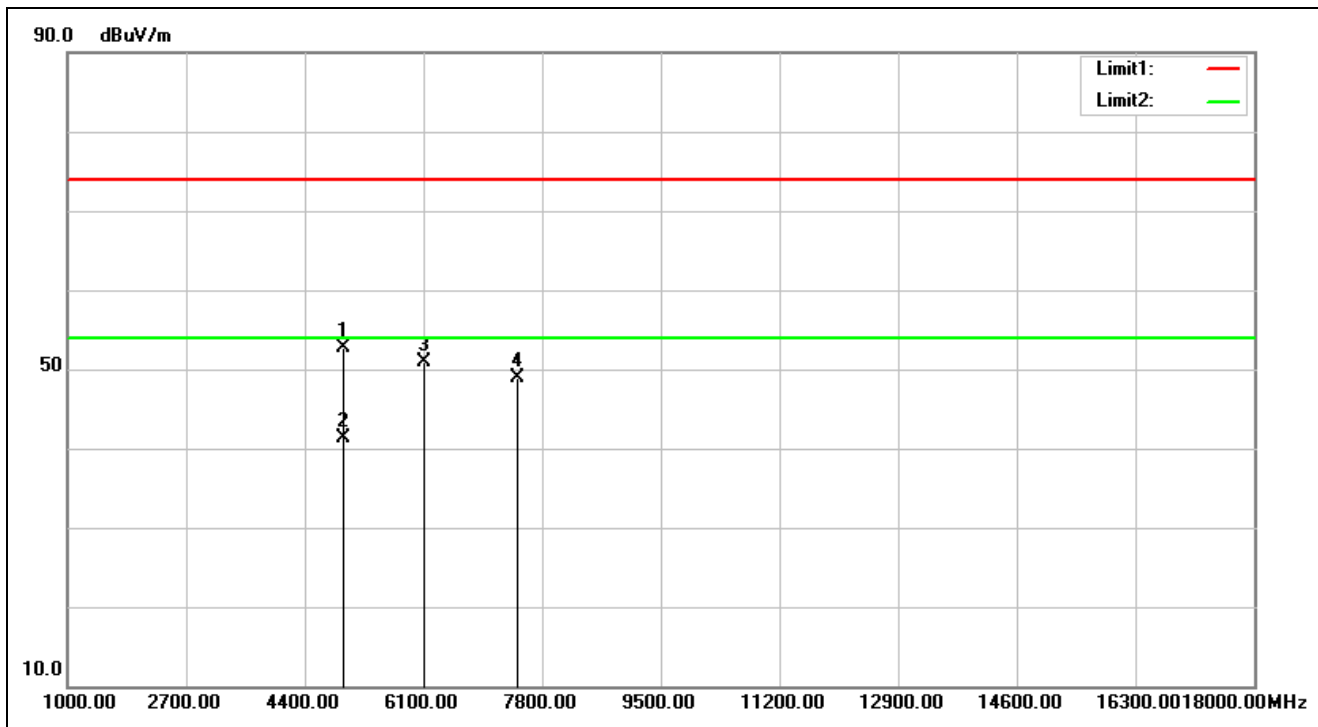
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/5/5 22:52:43
Applicant:	Bluetooth Special Interest Group, Inc.	Test Rating:	
Product:	Bluetooth PTS 4.1 USB dongle	Temp.(°C)/Hum.(%)	21.1(°C)/56%
Model No.:	VD-3SIG	Test Engineer:	Sam Su
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	-2.16	54.91	52.75	74.00	-21.25	peak	100	175	
2	4882.000	-2.16	43.75	41.59	54.00	-12.41	AVG	100	175	
3	6066.000	4.34	45.88	50.22	74.00	-23.78	peak	100	263	
4	7323.000	6.13	43.08	49.21	74.00	-24.79	peak			



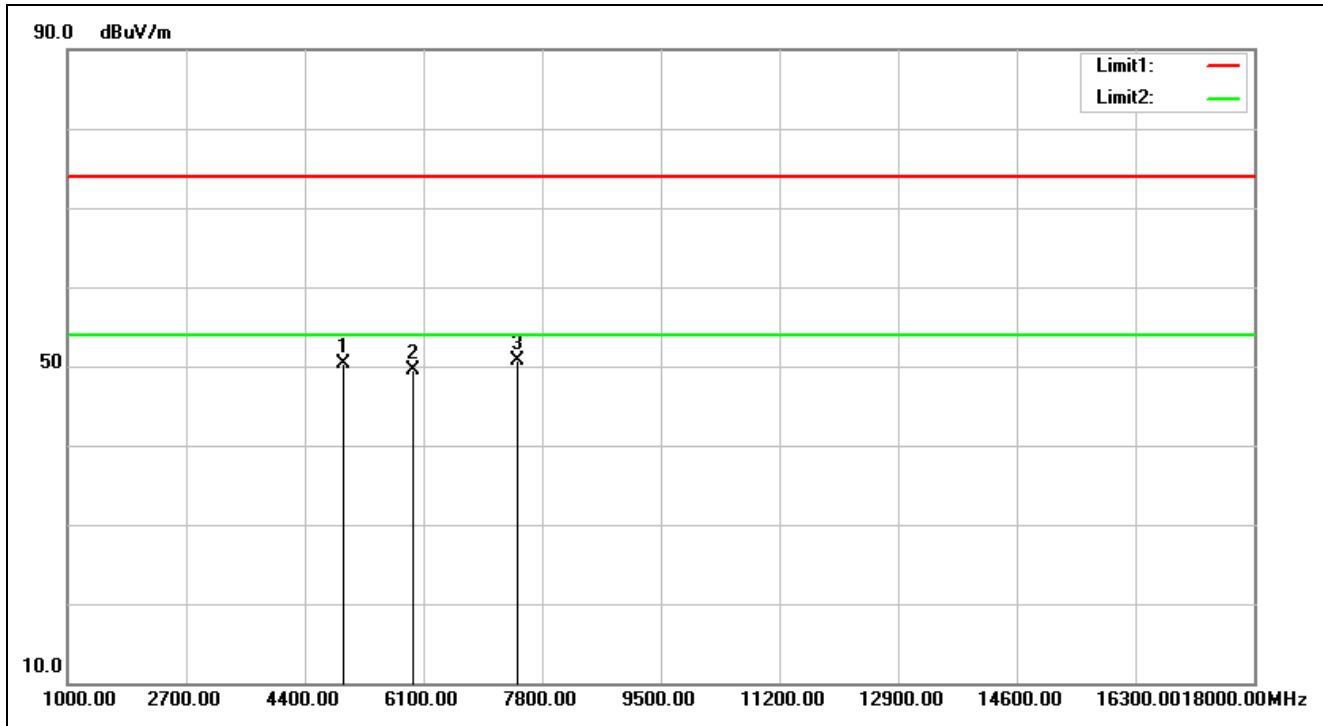
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/5/5 22:53:46
Applicant:	Bluetooth Special Interest Group, Inc.	Test Rating:	
Product:	Bluetooth PTS 4.1 USB dongle	Temp.(°C)/Hum.(%):	21.1(°C)/56%
Model No.:	VD-3SIG	Test Engineer:	Sam Su
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	-2.16	52.42	50.26	74.00	-23.74	peak	100	208	
2	6355.000	5.47	45.14	50.61	74.00	-23.39	peak	100	89	
3	7323.000	6.13	42.98	49.11	74.00	-24.89	peak			



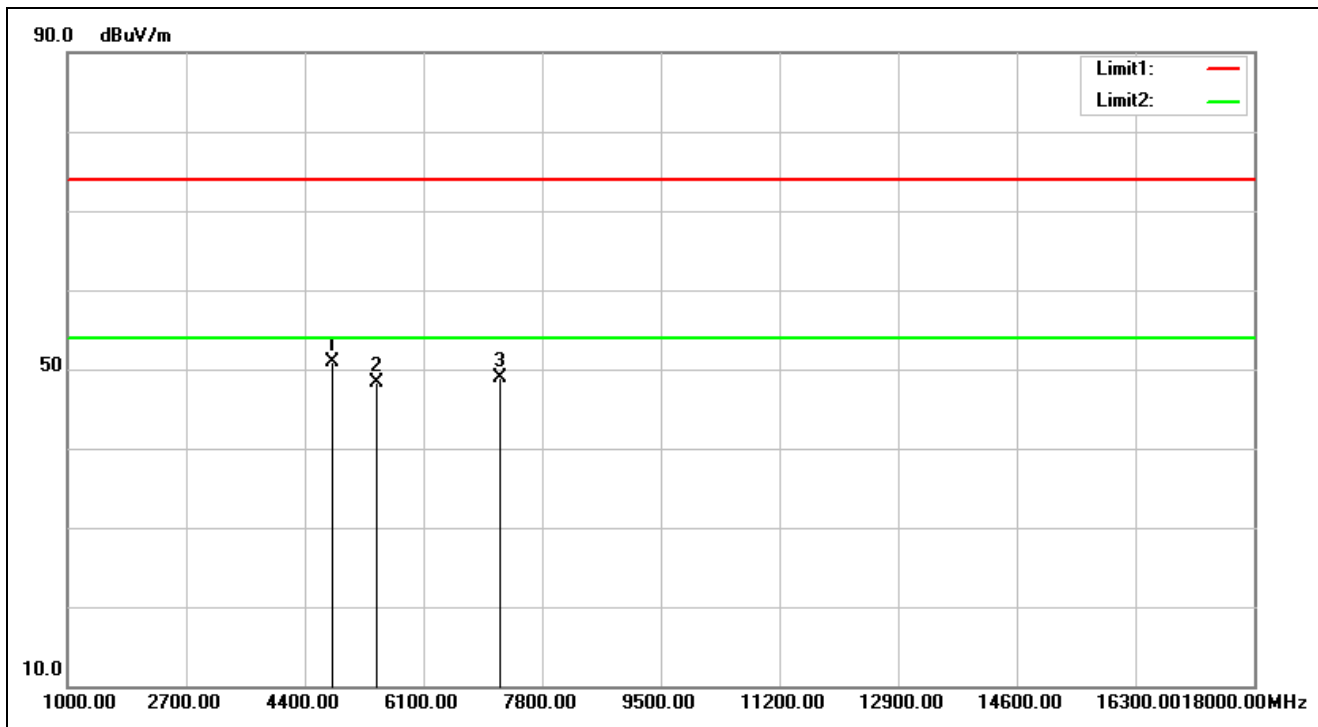
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Applicant:	Bluetooth Special Interest Group, Inc.	Test Rating:	
Product:	Bluetooth PTS 4.1 USB dongle	Temp.(°C)/Hum.(%):	21.1(°C)/56%
Model No.:	VD-3SIG	Test Engineer:	Sam Su
Test Mode:	1DH5-2480-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4961.000	-1.97	54.67	52.70	74.00	-21.30	peak	100	177	
2	4961.000	-1.97	43.27	41.30	54.00	-12.70	AVG	100	177	
3	6100.000	4.47	46.52	50.99	74.00	-23.01	peak	100	230	
4	7440.000	6.47	42.48	48.95	74.00	-25.05	peak			



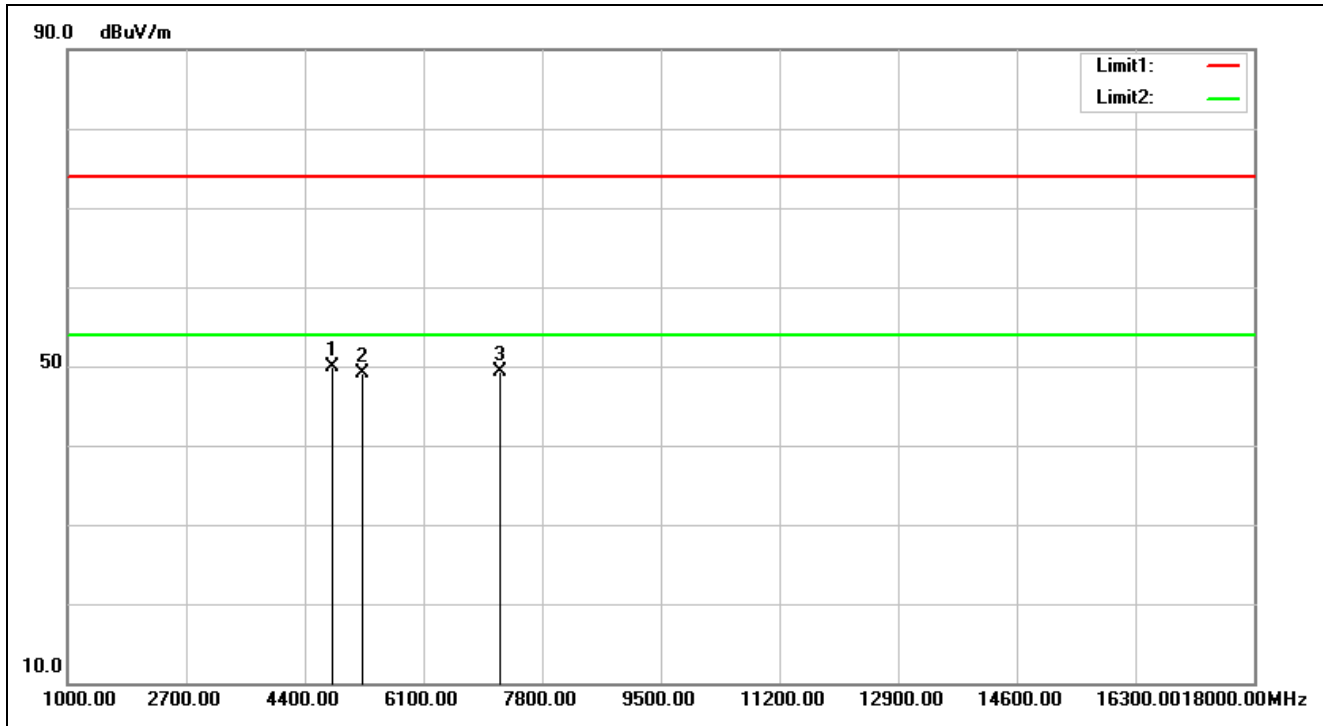
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Applicant:	Bluetooth Special Interest Group, Inc.	Test Rating:	
Product:	Bluetooth PTS 4.1 USB dongle	Temp.(°C)/Hum.(%)	21.1(°C)/56%
Model No.:	VD-3SIG	Test Engineer:	Sam Su
Test Mode:	1DH5-2480-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4960.000	-1.97	52.30	50.33	74.00	-23.67	peak	100	210	
2	5947.000	3.74	45.72	49.46	74.00	-24.54	peak	100	359	
3	7440.000	6.47	44.32	50.79	74.00	-23.21	peak			



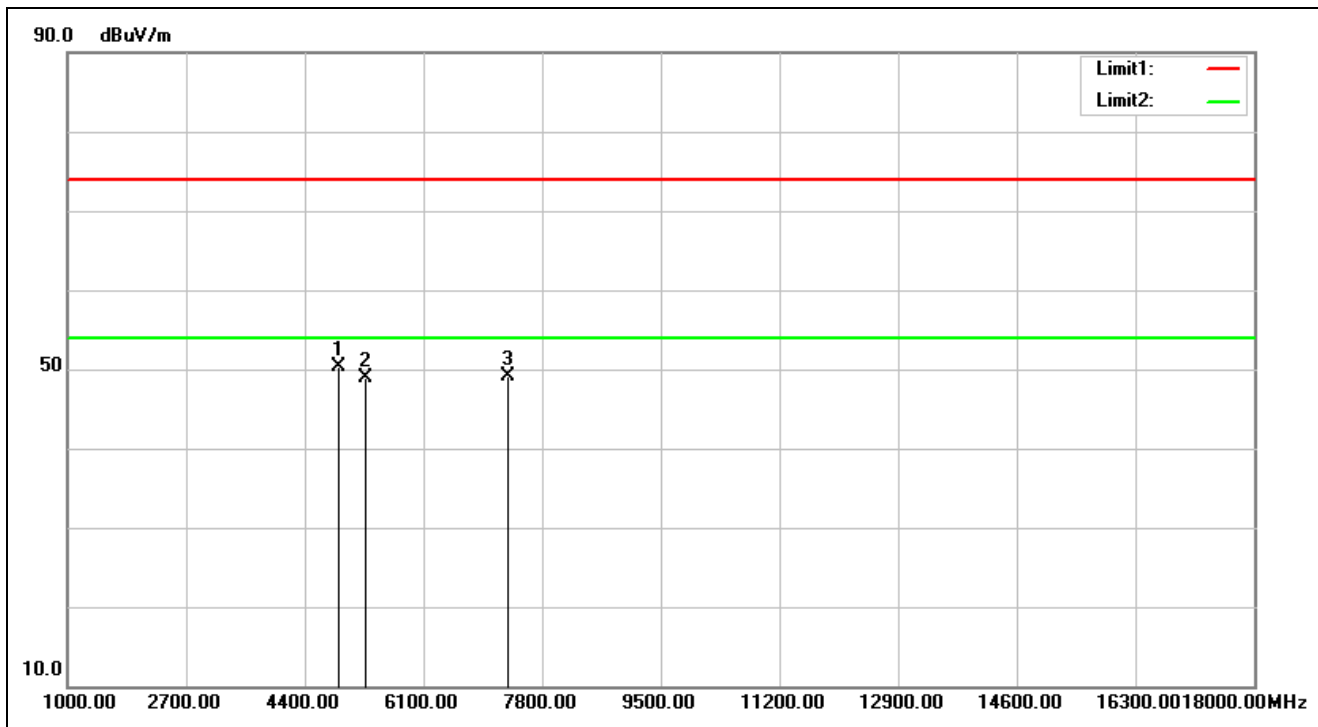
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Test item:	Radiation Emission	Test Time:	2015/5/5 23:03:32
Applicant:	Bluetooth Special Interest Group, Inc.	Test Rating:	
Product:	Bluetooth PTS 4.1 USB dongle	Temp.(°C)/Hum.(%)	21.1(°C)/56%
Model No.:	VD-3SIG	Test Engineer:	Sam Su
Test Mode:	3DH5-2402-TX		
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	-2.35	53.21	50.86	74.00	-23.14	peak	100	177	
2	5420.000	0.39	47.90	48.29	74.00	-25.71	peak	100	163	
3	7206.000	5.78	43.18	48.96	74.00	-25.04	peak			



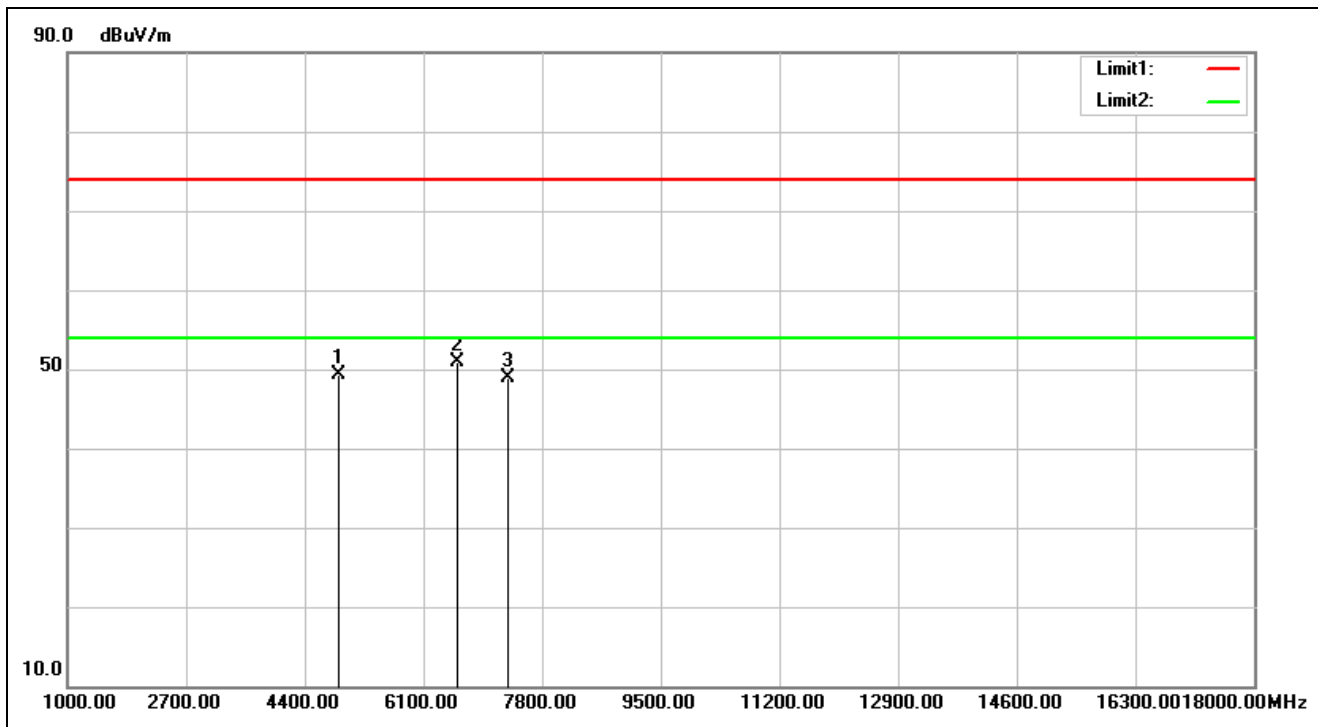
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/5/5 23:04:35
Applicant:	Bluetooth Special Interest Group, Inc.	Test Rating:	
Product:	Bluetooth PTS 4.1 USB dongle	Temp.(°C)/Hum.(%):	21.1(°C)/56%
Model No.:	VD-3SIG	Test Engineer:	Sam Su
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	-2.35	52.32	49.97	74.00	-24.03	peak	100	166	
2	5233.000	-0.62	49.67	49.05	74.00	-24.95	peak	100	174	
3	7206.000	5.78	43.62	49.40	74.00	-24.60	peak			



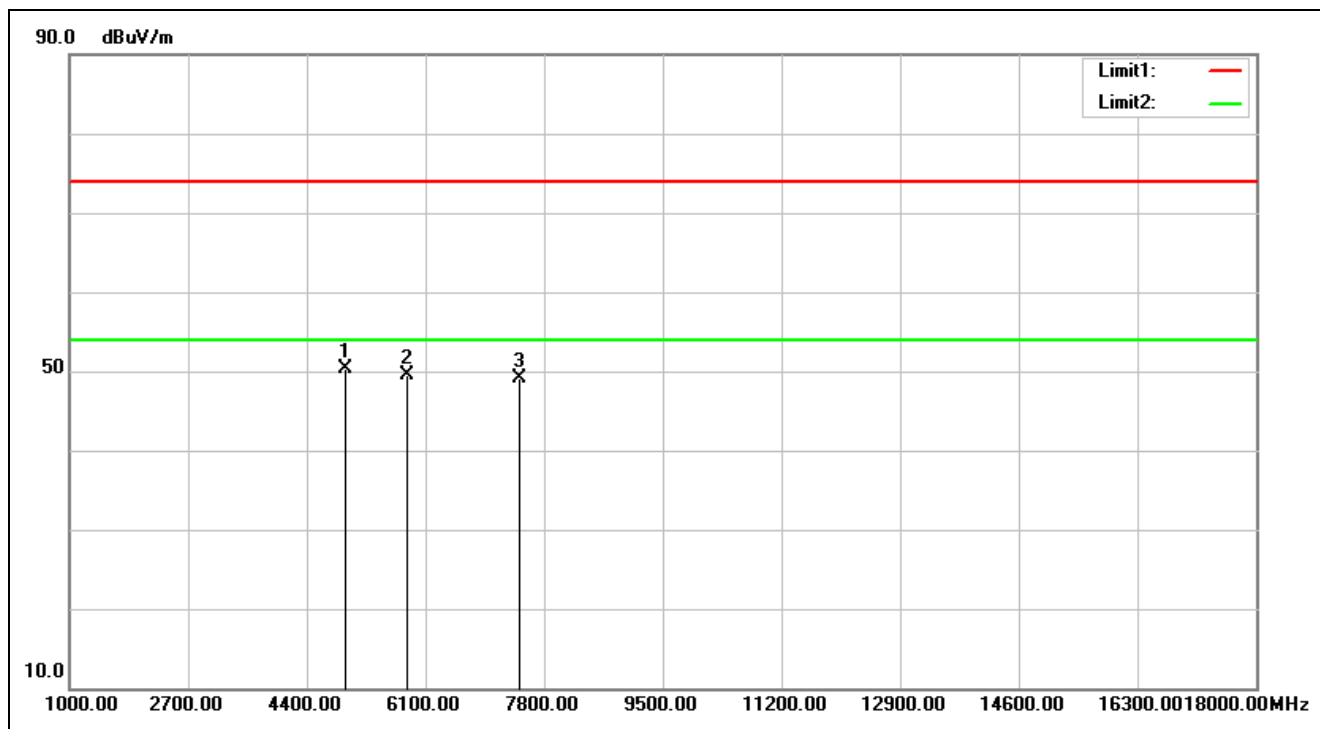
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/5/5 23:06:50
Applicant:	Bluetooth Special Interest Group, Inc.	Test Rating:	
Product:	Bluetooth PTS 4.1 USB dongle	Temp.(°C)/Hum.(%):	21.1(°C)/56%
Model No.:	VD-3SIG	Test Engineer:	Sam Su
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	-2.16	52.51	50.35	74.00	-23.65	peak	100	158	
2	5267.000	-0.42	49.36	48.94	74.00	-25.06	peak	100	260	
3	7323.000	6.13	43.04	49.17	74.00	-24.83	peak			



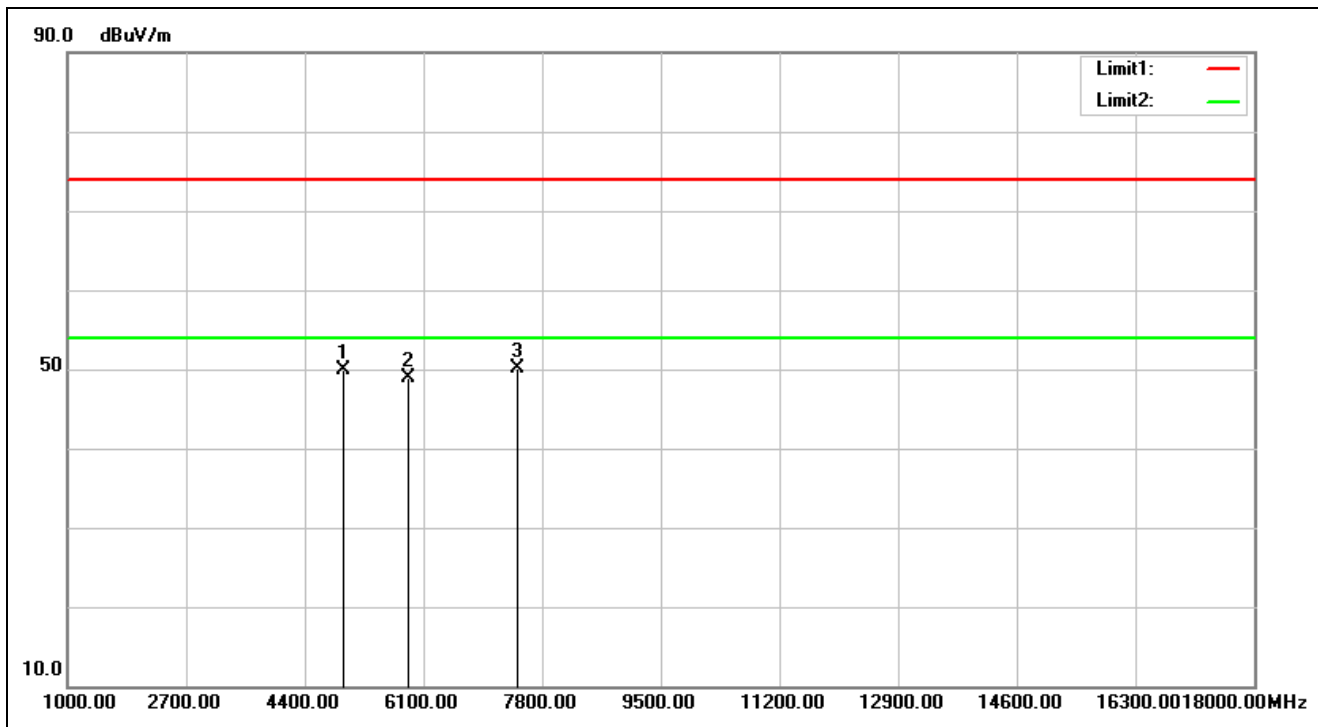
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Test item:	Radiation Emission	Test Time:	2015/5/5 23:07:53
Applicant:	Bluetooth Special Interest Group, Inc.	Test Rating:	
Product:	Bluetooth PTS 4.1 USB dongle	Temp.(°C)/Hum.(%):	21.1(°C)/56%
Model No.:	VD-3SIG	Test Engineer:	Sam Su
Test Mode:	3DH5-2441-TX		
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	-2.16	51.38	49.22	74.00	-24.78	peak	100	171	
2	6593.000	5.87	45.03	50.90	74.00	-23.10	peak	100	74	
3	7323.000	6.13	42.81	48.94	74.00	-25.06	peak			



Service No.:	114033077-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/5/5 23:10:02
Applicant:	Bluetooth Special Interest Group, Inc.	Test Rating:	
Product:	Bluetooth PTS 4.1 USB dongle	Temp.(°C)/Hum.(%):	21.1(°C)/56%
Model No.:	VD-3SIG	Test Engineer:	Sam Su
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	-1.97	52.20	50.23	74.00	-23.77	peak	100	299	
2	5828.000	2.96	46.55	49.51	74.00	-24.49	peak	100	252	
3	7440.000	6.47	42.57	49.04	74.00	-24.96	peak			



Service No.:	114033077-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/5/5 23:11:05
Applicant:	Bluetooth Special Interest Group, Inc.	Test Rating:	
Product:	Bluetooth PTS 4.1 USB dongle	Temp.(°C)/Hum.(%):	21.1(°C)/56%
Model No.:	VD-3SIG	Test Engineer:	Sam Su
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	-1.97	51.82	49.85	74.00	-24.15	peak	100	166	
2	5879.000	3.30	45.64	48.94	74.00	-25.06	peak	100	205	
3	7440.000	6.47	43.66	50.13	74.00	-23.87	peak			

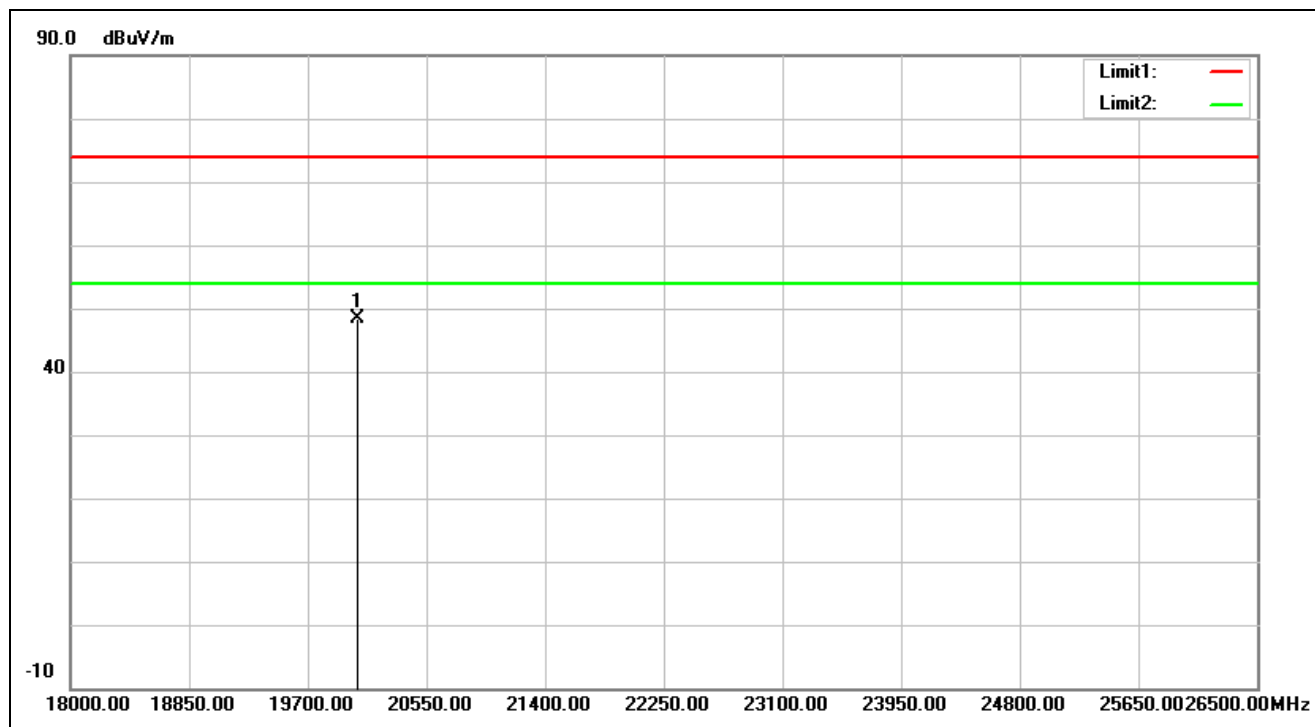
Spurious Emissions, TX Mode, 18-26G



TUV Taiwan

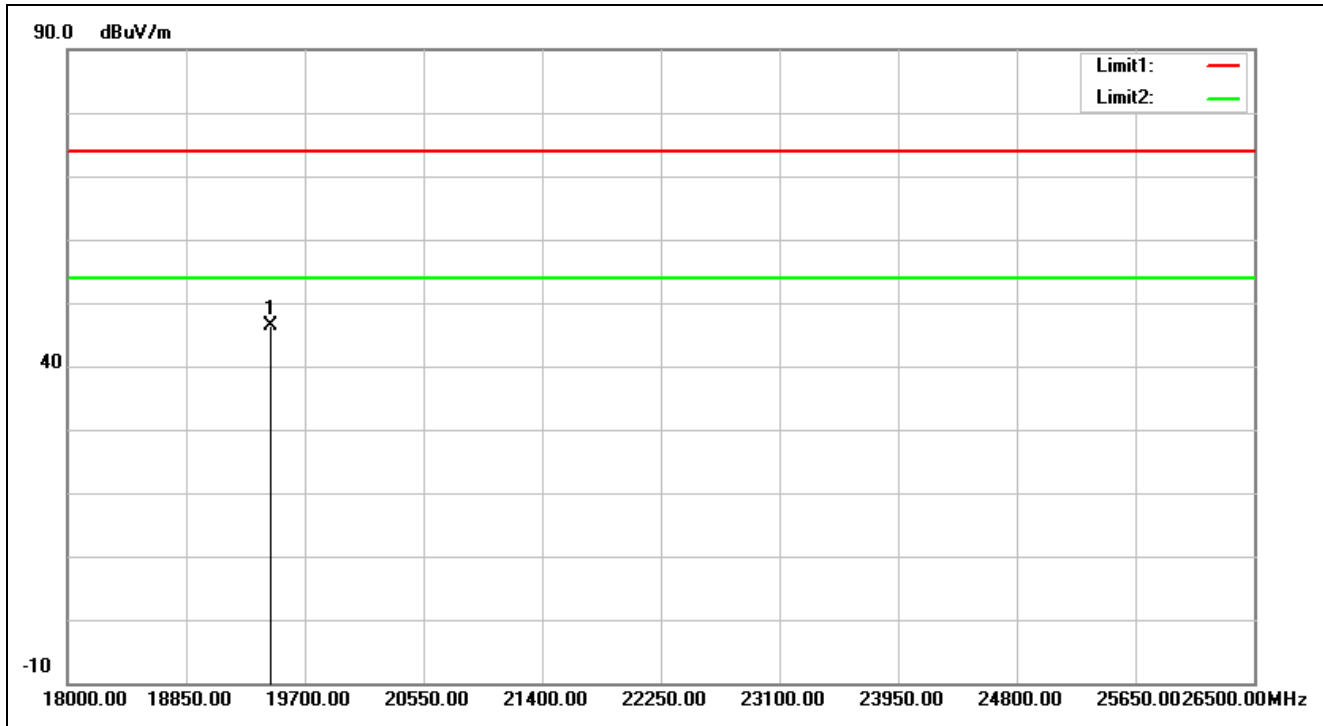
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



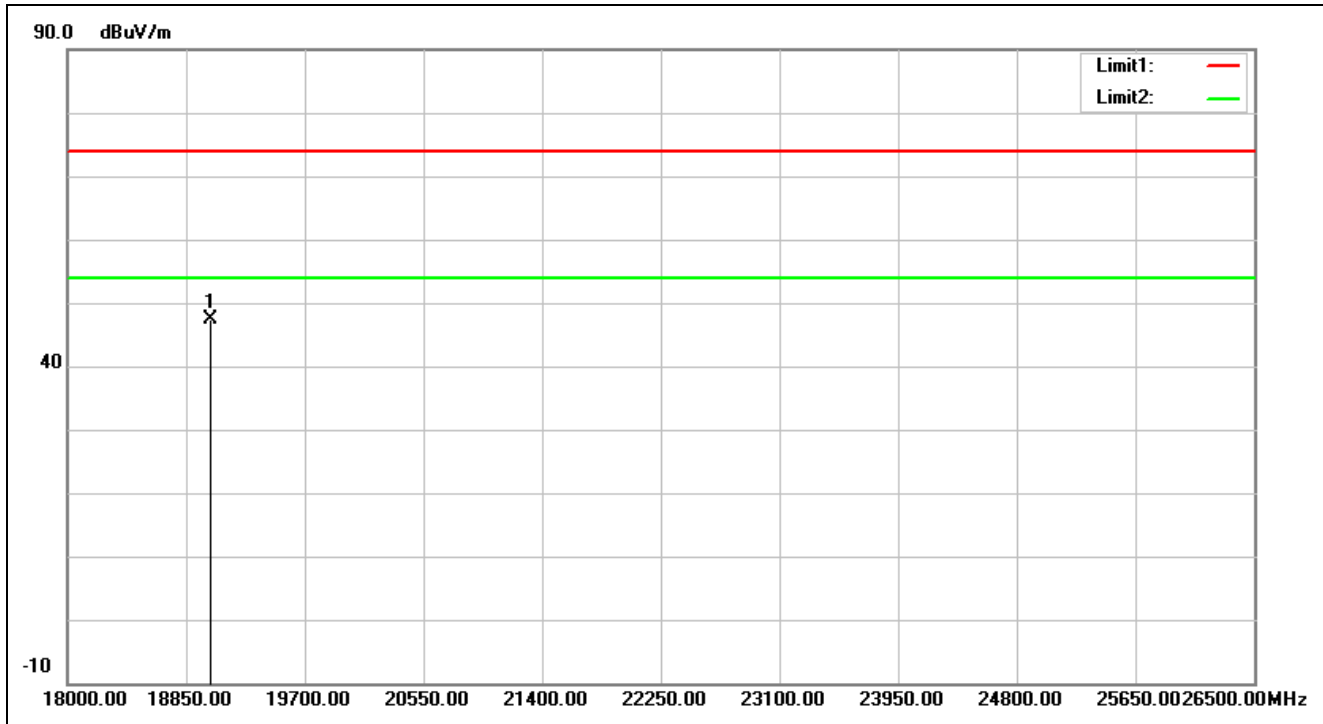
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/5/6 19:40:58
Applicant:	Bluetooth Special Interest Group, Inc.	Test Rating:	
Product:	Bluetooth PTS 4.1 USB dongle	Temp.(°C)/Hum.(%):	21.1(°C)/56%
Model No.:	VD-3SIG	Test Engineer:	Sam Su
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	20057.000	28.97	19.38	48.35	74.00	-25.65	peak		0	



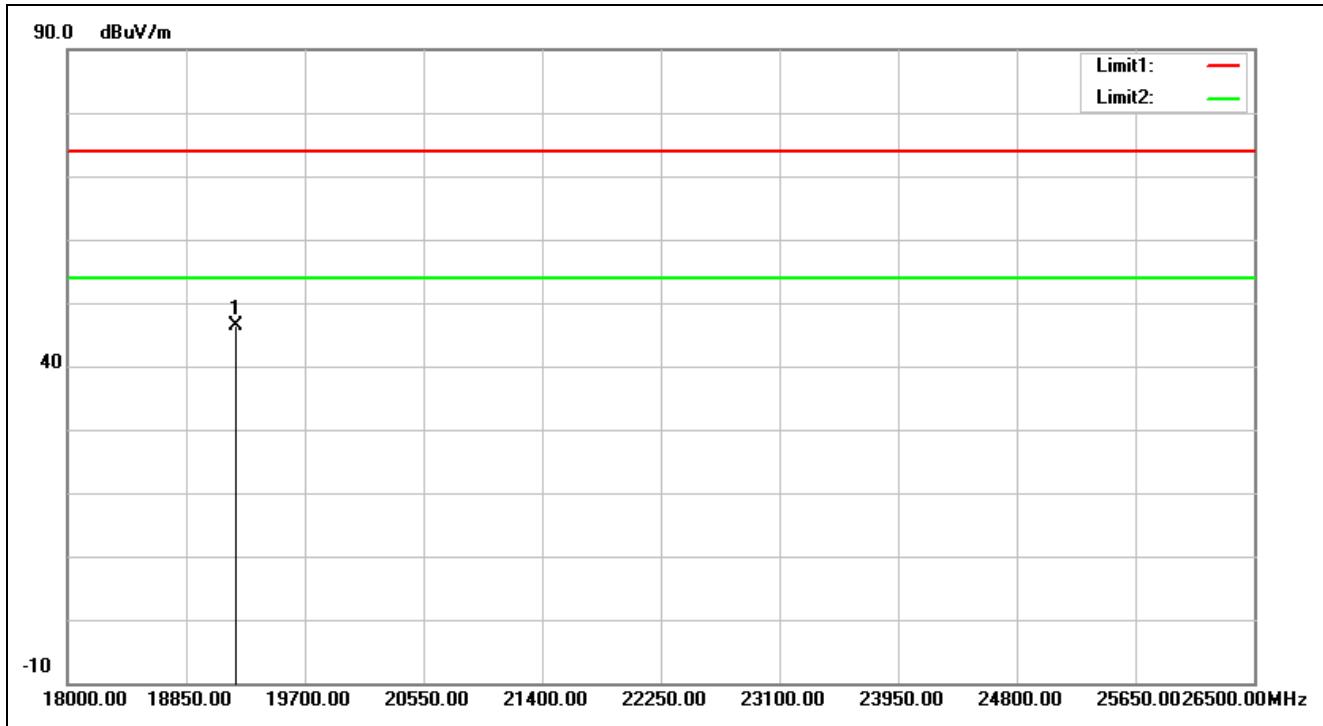
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/5/6 19:41:08
Applicant:	Bluetooth Special Interest Group, Inc.	Test Rating:	
Product:	Bluetooth PTS 4.1 USB dongle	Temp.(°C)/Hum.(%):	21.1(°C)/56%
Model No.:	VD-3SIG	Test Engineer:	Sam Su
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	19453.500	28.94	17.36	46.30	74.00	-27.70	peak			



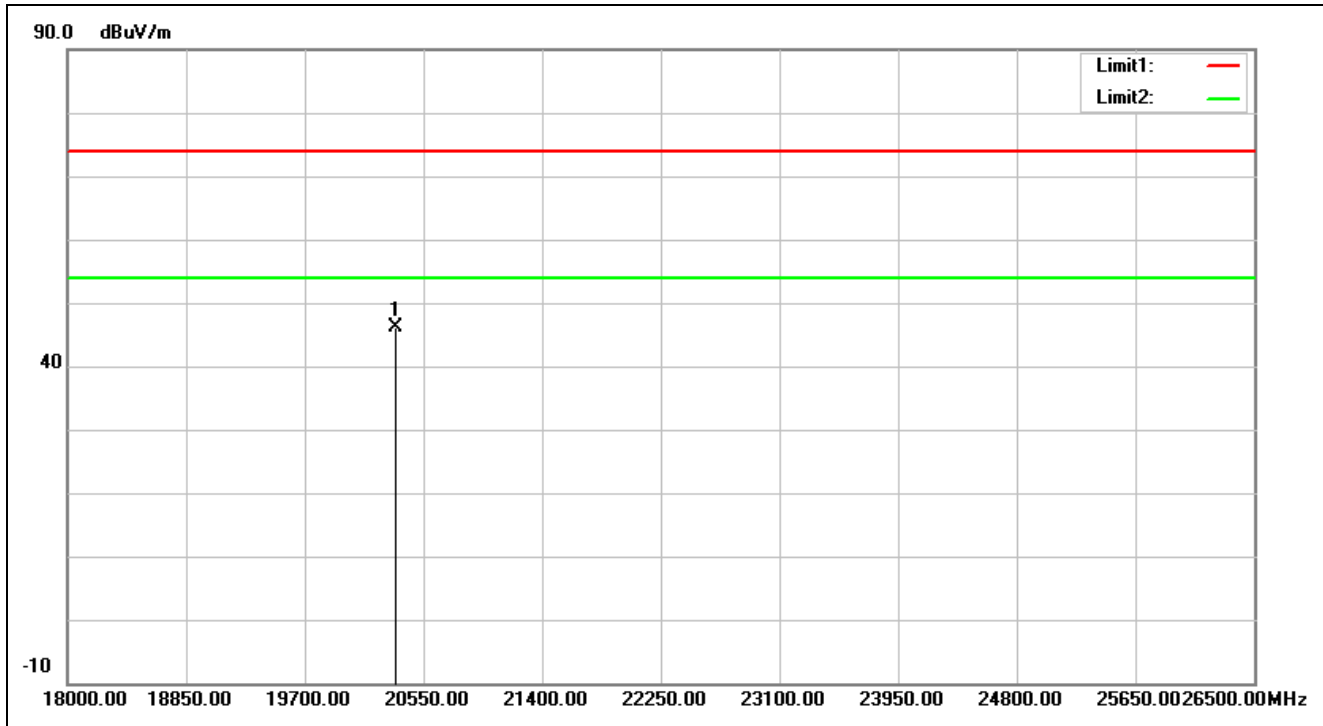
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/5/6 19:49:53
Applicant:	Bluetooth Special Interest Group, Inc.	Test Rating:	
Product:	Bluetooth PTS 4.1 USB dongle	Temp.(°C)/Hum.(%):	21.1(°C)/56%
Model No.:	VD-3SIG	Test Engineer:	Sam Su
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	19020.000	28.89	18.51	47.40	74.00	-26.60	peak			



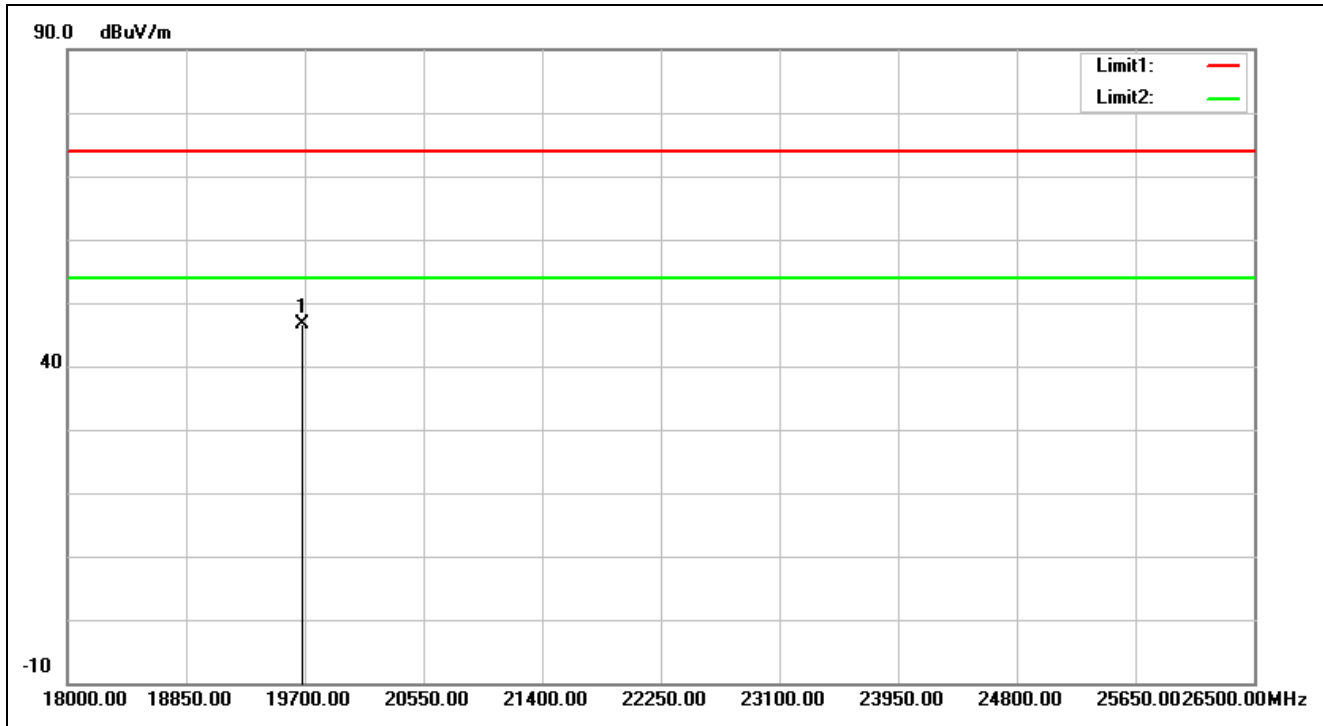
Service No.:	114033077-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/5/6 19:50:04
Applicant:	Bluetooth Special Interest Group, Inc.	Test Rating:	
Product:	Bluetooth PTS 4.1 USB dongle	Temp.(°C)/Hum.(%):	21.1(°C)/56%
Model No.:	VD-3SIG	Test Engineer:	Sam Su
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	19207.000	28.91	17.45	46.36	74.00	-27.64	peak			



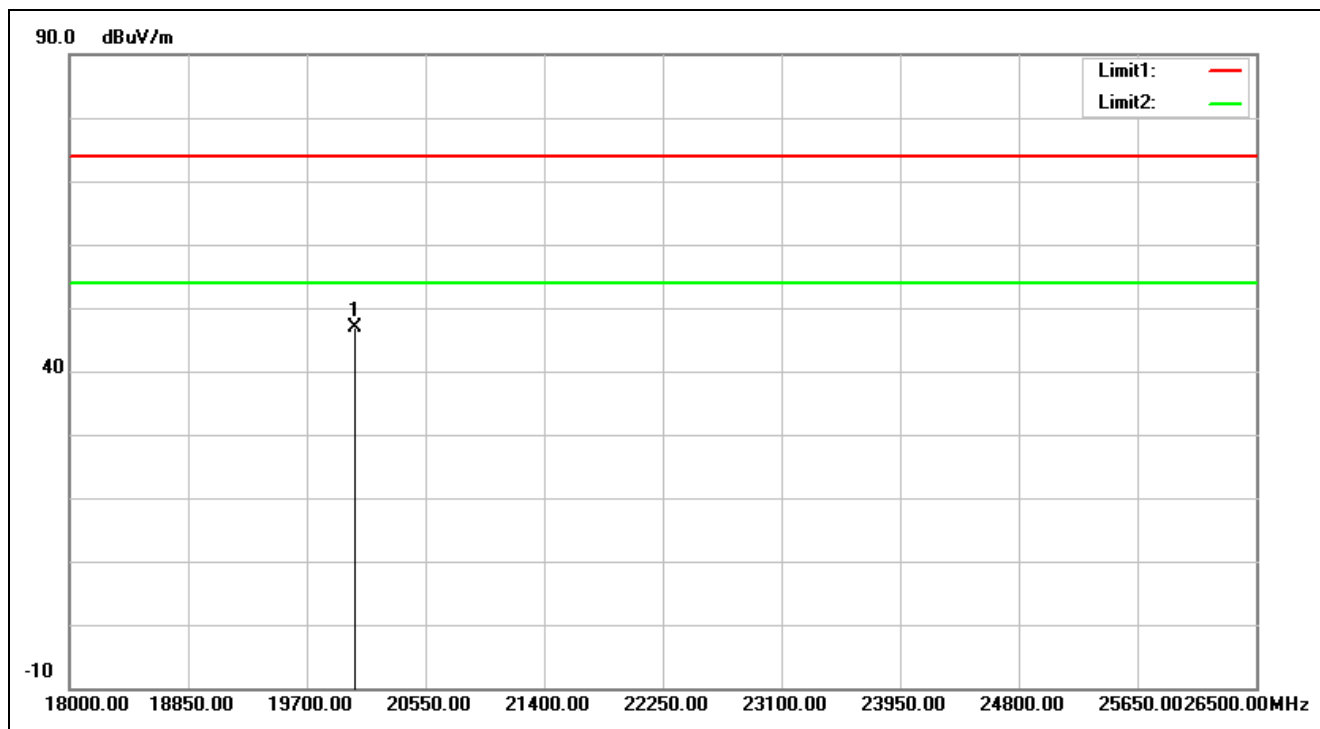
Service No.:	114033077-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/5/6 19:50:25
Applicant:	Bluetooth Special Interest Group, Inc.	Test Rating:	
Product:	Bluetooth PTS 4.1 USB dongle	Temp.(°C)/Hum.(%):	21.1(°C)/56%
Model No.:	VD-3SIG	Test Engineer:	Sam Su
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	20346.000	29.14	17.04	46.18	74.00	-27.82	peak			



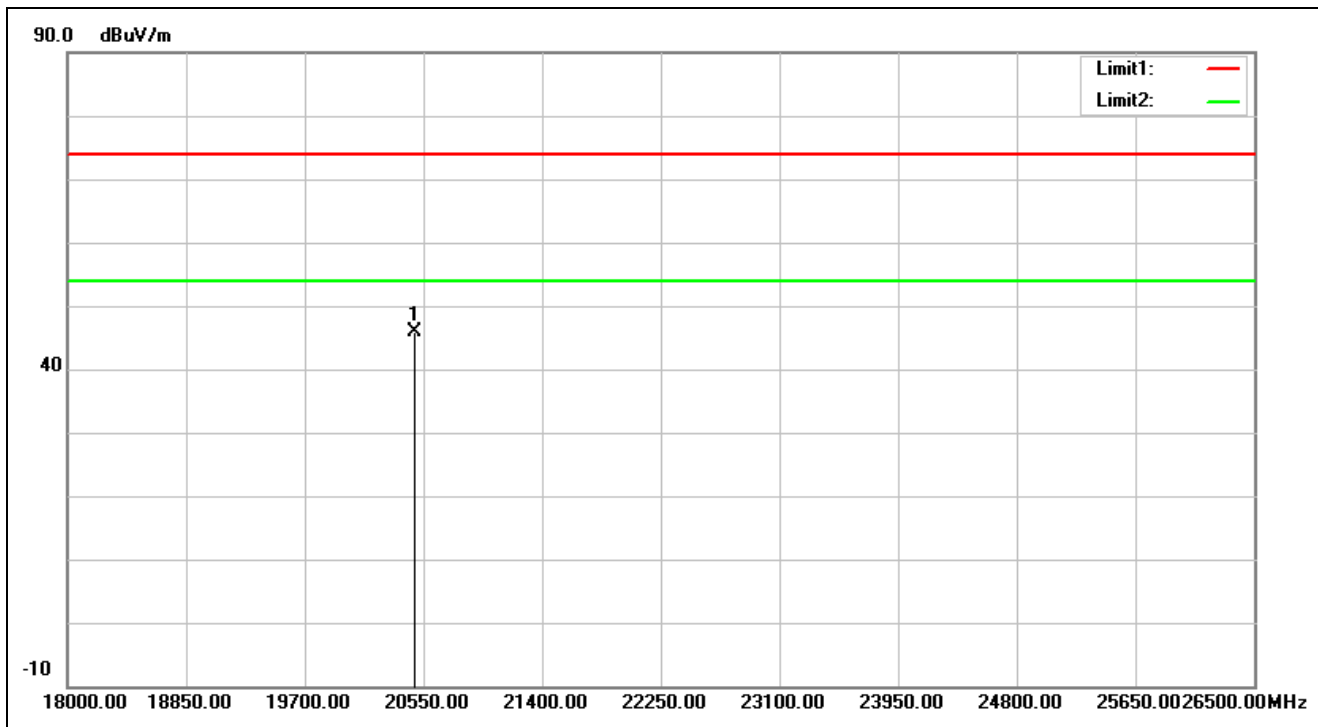
Service No.:	114033077-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/5/6 19:50:36
Applicant:	Bluetooth Special Interest Group, Inc.	Test Rating:	
Product:	Bluetooth PTS 4.1 USB dongle	Temp.(°C)/Hum.(%):	21.1(°C)/56%
Model No.:	VD-3SIG	Test Engineer:	Sam Su
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	19683.000	28.95	17.77	46.72	74.00	-27.28	peak			



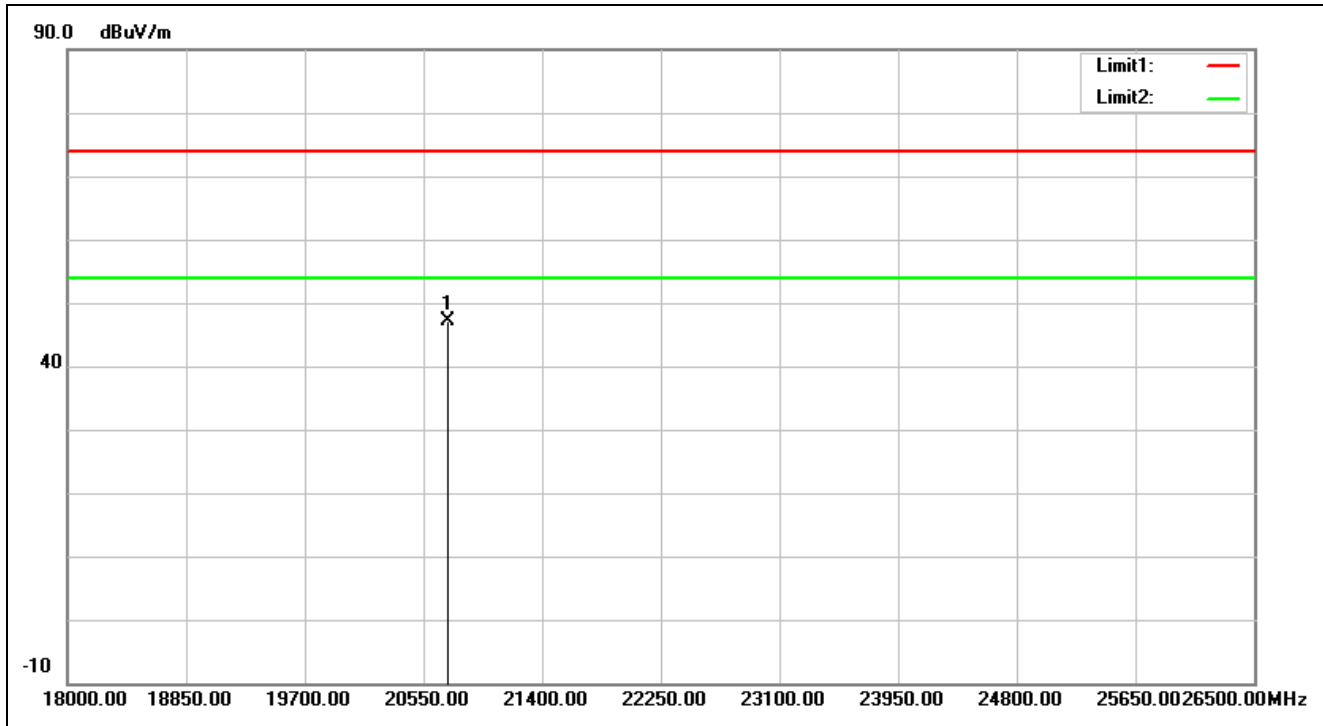
Service No.:	114033077-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/5/6 19:54:18
Applicant:	Bluetooth Special Interest Group, Inc.	Test Rating:	
Product:	Bluetooth PTS 4.1 USB dongle	Temp.(°C)/Hum.(%)	21.1(°C)/56%
Model No.:	VD-3SIG	Test Engineer:	Sam Su
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	20048.500	28.95	17.81	46.76	74.00	-27.24	peak			



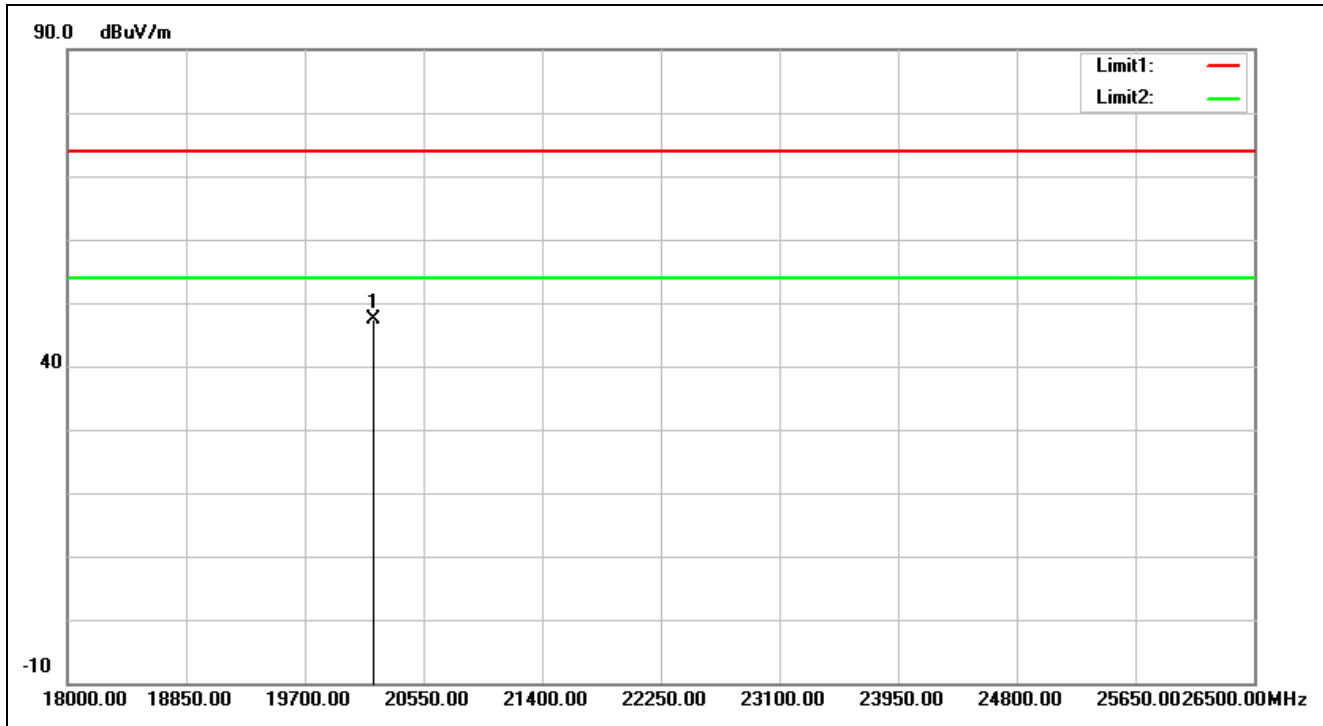
Service No.:	114033077-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/5/6 19:54:29
Applicant:	Bluetooth Special Interest Group, Inc.	Test Rating:	
Product:	Bluetooth PTS 4.1 USB dongle	Temp.(°C)/Hum.(%):	21.1(°C)/56%
Model No.:	VD-3SIG	Test Engineer:	Sam Su
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	20482.000	29.23	16.64	45.87	74.00	-28.13	peak			



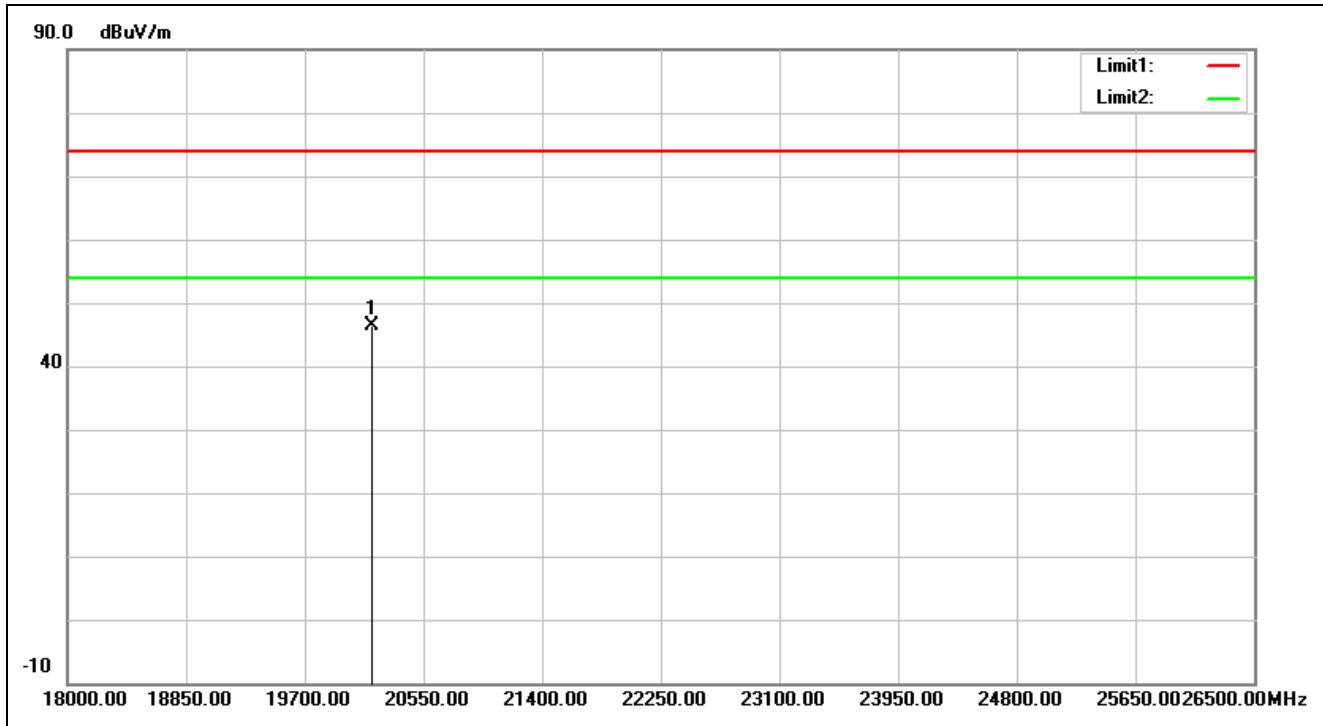
Service No.:	114033077-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/5/6 19:54:49
Applicant:	Bluetooth Special Interest Group, Inc.	Test Rating:	
Product:	Bluetooth PTS 4.1 USB dongle	Temp.(°C)/Hum.(%):	21.1(°C)/56%
Model No.:	VD-3SIG	Test Engineer:	Sam Su
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	20720.000	29.30	17.75	47.05	74.00	-26.95	peak			



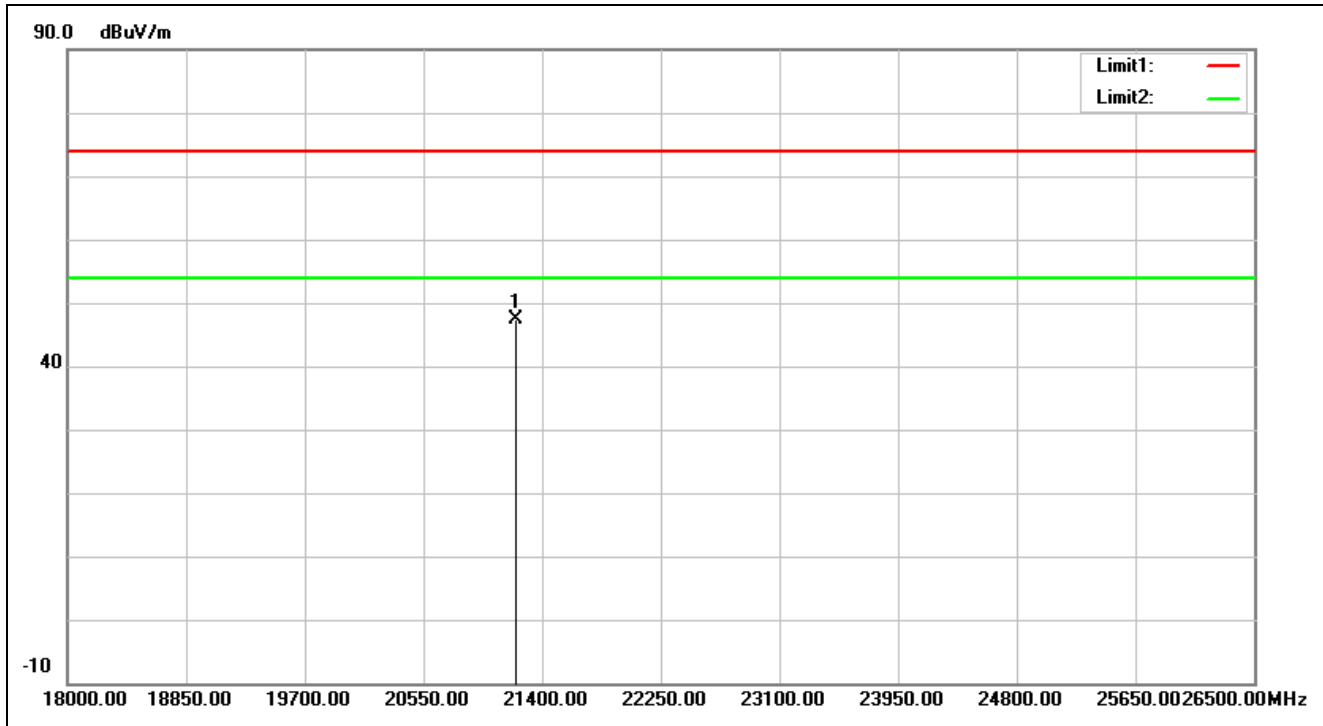
Service No.:	114033077-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/5/6 19:55:00
Applicant:	Bluetooth Special Interest Group, Inc.	Test Rating:	
Product:	Bluetooth PTS 4.1 USB dongle	Temp.(°C)/Hum.(%):	21.1(°C)/56%
Model No.:	VD-3SIG	Test Engineer:	Sam Su
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	20193.000	29.05	18.31	47.36	74.00	-26.64	peak			



Service No.:	114033077-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/5/6 19:55:18
Applicant:	Bluetooth Special Interest Group, Inc.	Test Rating:	
Product:	Bluetooth PTS 4.1 USB dongle	Temp.(°C)/Hum.(%)	21.1(°C)/56%
Model No.:	VD-3SIG	Test Engineer:	Sam Su
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	20176.000	29.04	17.44	46.48	74.00	-27.52	peak			



Service No.:	114033077-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/5/6 19:55:30
Applicant:	Bluetooth Special Interest Group, Inc.	Test Rating:	
Product:	Bluetooth PTS 4.1 USB dongle	Temp.(°C)/Hum.(%)	21.1(°C)/56%
Model No.:	VD-3SIG	Test Engineer:	Sam Su
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	21213.000	29.18	18.23	47.41	74.00	-26.59	peak			

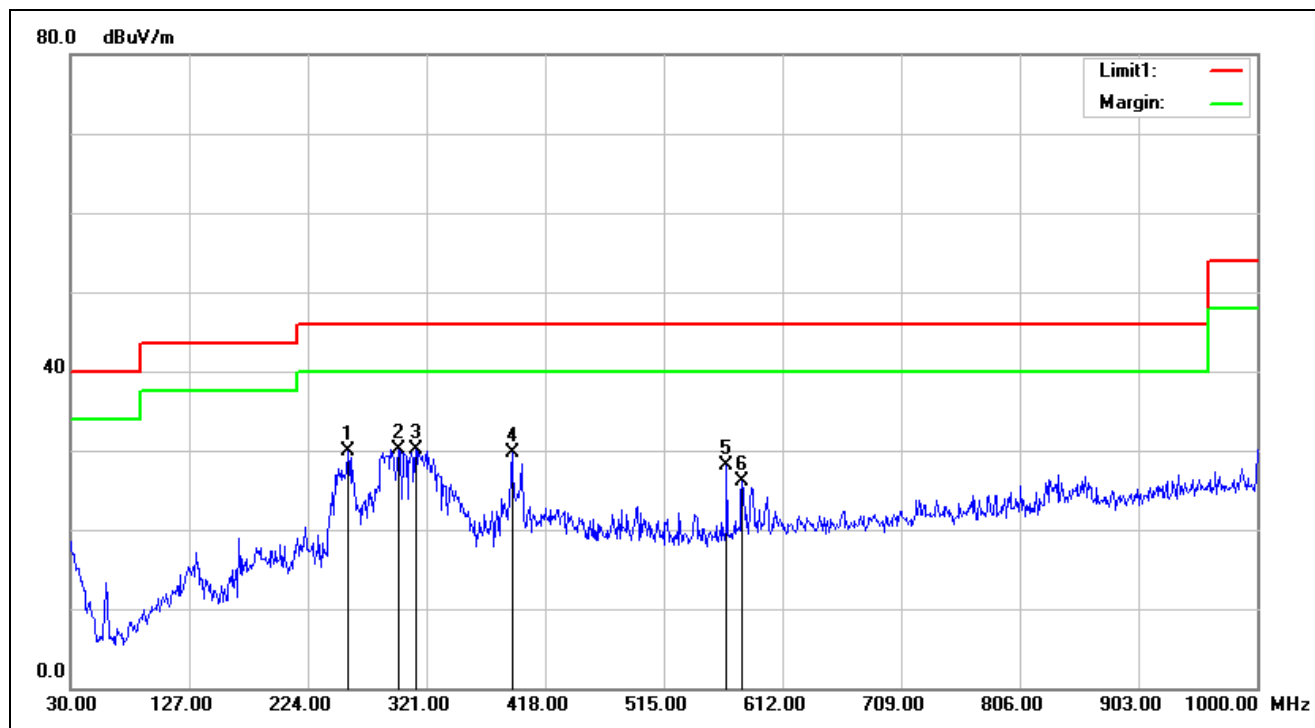
Spurious Emissions, TX Mode, 30M-1G



TUV Taiwan

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

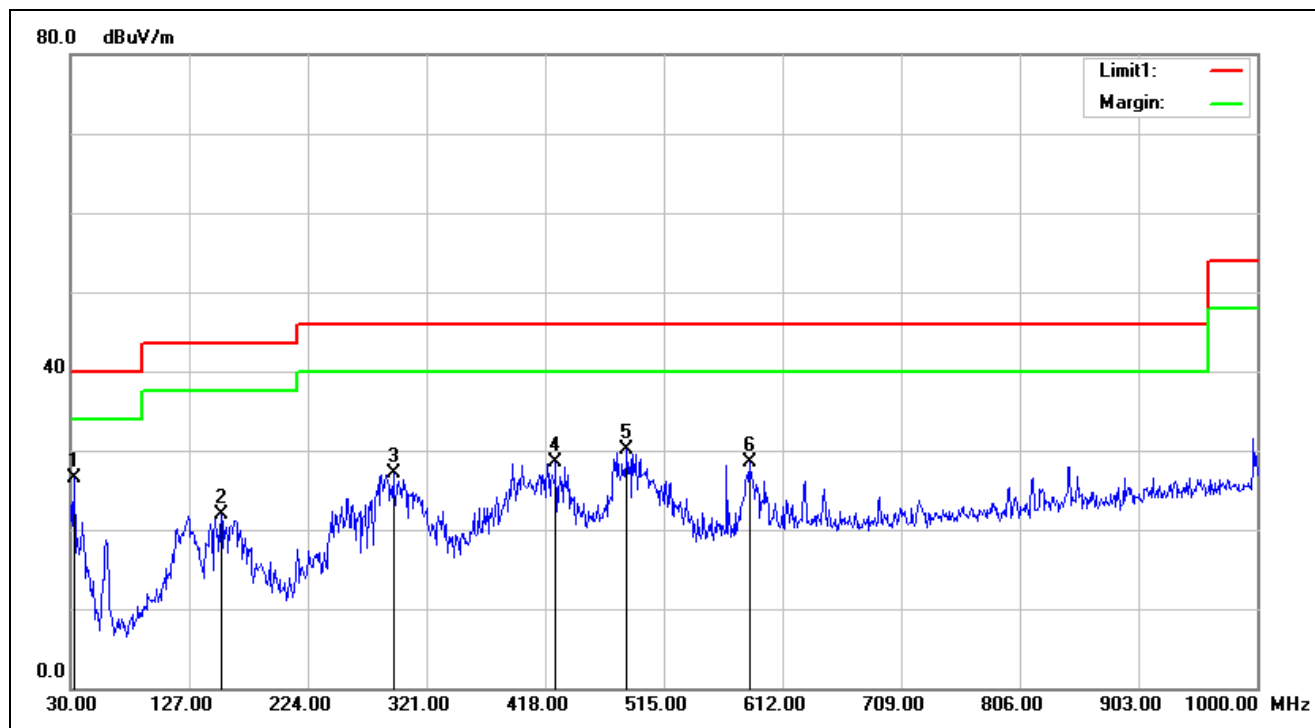
Tel:+886-2172-7000 fax:+886-2528-0018



Service No.:	114033077-FCC	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2015/5/6 19:14:20
Applicant:	Bluetooth Special Interest Group, Inc.	Test Rating:	
Product:	Bluetooth PTS 4.1 USB dongle	Temp.(°C)/Hum.(%):	21.1(°C)/56%
Model No.:	VD-3SIG	Test Engineer:	Sam Su
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	256.9800	-11.04	40.85	29.81	46.00	-16.19	QP	100	259	
2	298.6900	-10.50	40.66	30.16	46.00	-15.84	QP	100	259	
3	312.2700	-10.22	40.30	30.08	46.00	-15.92	QP	100	251	
4	390.8399	-8.79	38.47	29.68	46.00	-16.32	QP	100	17	
5	566.4100	-6.63	34.81	28.18	46.00	-17.82	QP	100	208	
6	579.0200	-6.39	32.54	26.15	46.00	-19.85	QP	100	222	

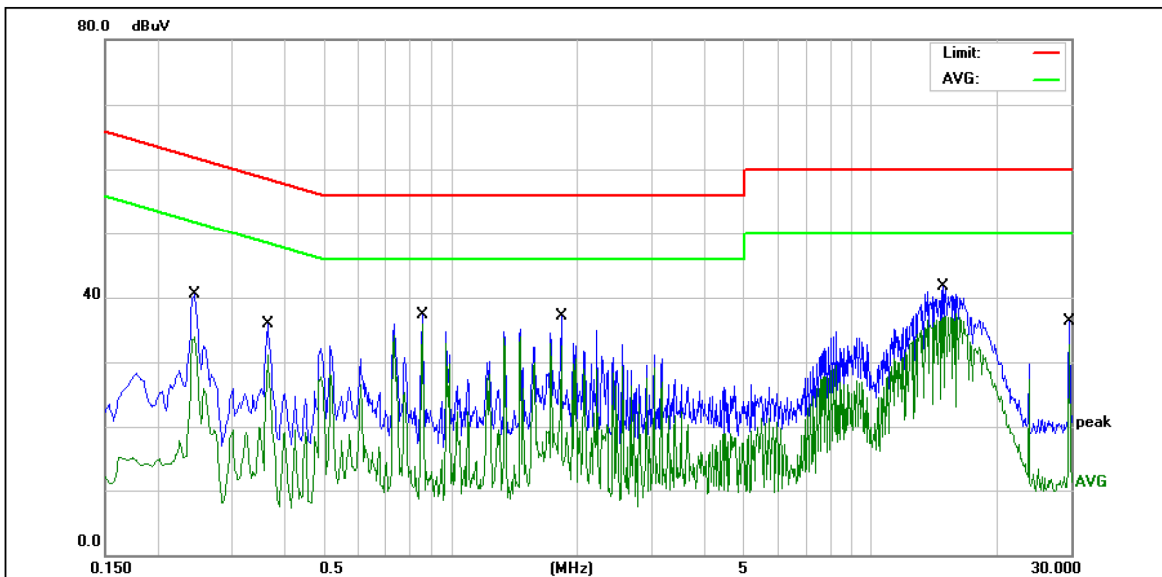
Spurious Emissions, Mains, 150kHz - 30MHz



Service No.:	114033077-FCC	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2015/5/6 19:15:23
Applicant:	Bluetooth Special Interest Group, Inc.	Test Rating:	
Product:	Bluetooth PTS 4.1 USB dongle	Temp.(°C)/Hum.(%)	21.1(°C)/56%
Model No.:	VD-3SIG	Test Engineer:	Sam Su
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	32.9100	-7.44	34.04	26.60	40.00	-13.40	QP	100	2	
2	153.1900	-13.39	35.30	21.91	43.50	-21.59	QP	100	54	
3	293.8400	-10.58	37.65	27.07	46.00	-18.93	QP	100	208	
4	426.7300	-8.31	36.74	28.43	46.00	-17.57	QP	100	197	
5	484.9300	-7.47	37.65	30.18	46.00	-15.82	QP	100	197	
6	584.8400	-6.26	34.67	28.41	46.00	-17.59	QP	100	67	

Mains Spurious Emissions



Service No.: 114033077-EMC

Test Standard: FCC Class B Conduction(QP)

Test item: Conducted Emission

Phase: L1

Applicant: Vencer

Temp.(°C)/Hum.(%): 23(°C) / 43 %

Product: Bluetooth USB Dongle

Power Rating: AC 120V/60Hz

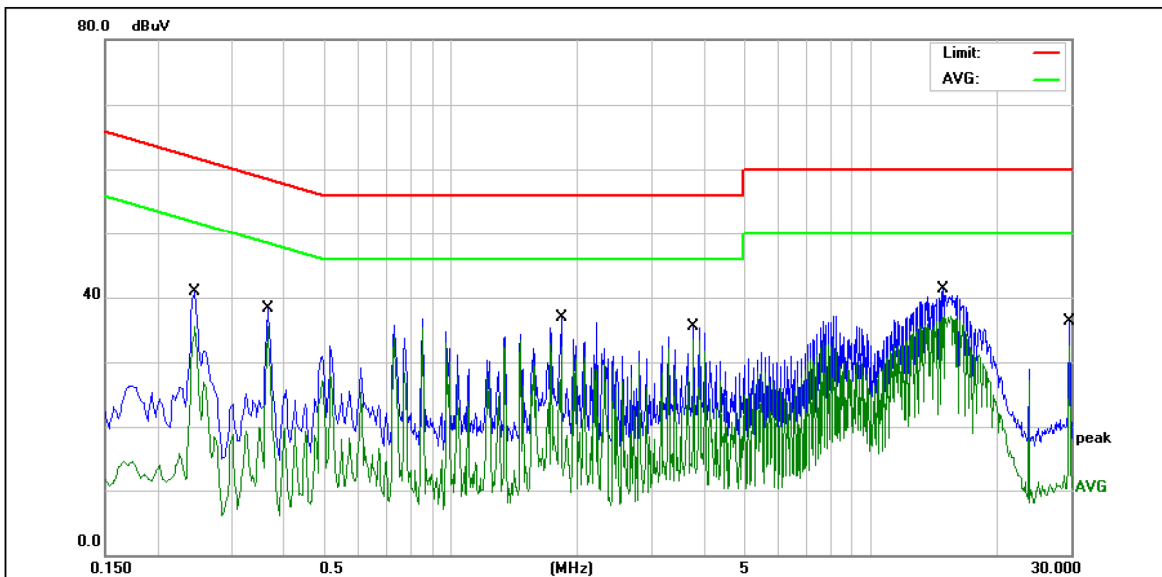
Model No.: XXX

Test Engineer: Hugo Chang

Test Mode: Normal operation

Remark:

No.	Frequency (MHz)	Factor ()	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.2460	9.63	29.36	38.99	61.89	-22.90	QP	P	
2	0.2460	9.63	23.17	32.80	51.89	-19.09	AVG	P	
3	0.3660	9.63	24.35	33.98	58.59	-24.61	QP	P	
4	0.3660	9.63	21.24	30.87	48.59	-17.72	AVG	P	
5	0.8540	9.63	26.21	35.84	56.00	-20.16	QP	P	
6	0.8540	9.63	26.27	35.90	46.00	-10.10	AVG	P	
7	1.8340	9.64	25.11	34.75	56.00	-21.25	QP	P	
8	1.8340	9.64	22.07	31.71	46.00	-14.29	AVG	P	
9	14.8940	9.82	28.76	38.58	60.00	-21.42	QP	P	
10	14.8940	9.82	26.12	35.94	50.00	-14.06	AVG	P	
11	29.7020	9.88	23.57	33.45	60.00	-26.55	QP	P	
12	29.7020	9.88	21.25	31.13	50.00	-18.87	AVG	P	



Service No.: 114033077-EMC

Test Standard: FCC Class B Conduction(QP)

Test item: Conducted Emission

Phase: N

Applicant: Vencer

Temp.(°C)/Hum.(%): 23(°C) / 43 %

Product: Bluetooth USB Dongle

Power Rating: AC 120V/60Hz

Model No.: XXX

Test Engineer: Hugo Chang

Test Mode: Normal operation

Remark:

No.	Frequency (MHz)	Factor ()	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.2460	9.65	29.71	39.36	61.89	-22.53	QP	P	
2	0.2460	9.65	24.27	33.92	51.89	-17.97	AVG	P	
3	0.3660	9.64	27.24	36.88	58.59	-21.71	QP	P	
4	0.3660	9.64	25.07	34.71	48.59	-13.88	AVG	P	
5	1.8340	9.66	26.34	36.00	56.00	-20.00	QP	P	
6	1.8340	9.66	22.78	32.44	46.00	-13.56	AVG	P	
7	3.7860	9.68	24.06	33.74	56.00	-22.26	QP	P	
8	3.7860	9.68	23.49	33.17	46.00	-12.83	AVG	P	
9	14.8980	9.87	27.40	37.27	60.00	-22.73	QP	P	
10	14.8980	9.87	24.35	34.22	50.00	-15.78	AVG	P	
11	29.7020	10.09	23.62	33.71	60.00	-26.29	QP	P	
12	29.7020	10.09	21.28	31.37	50.00	-18.63	AVG	P	