

Test Report No.10048077 002

Appendix D: Radiated Spurious Emission Data

(File: 10048077AppendixD)

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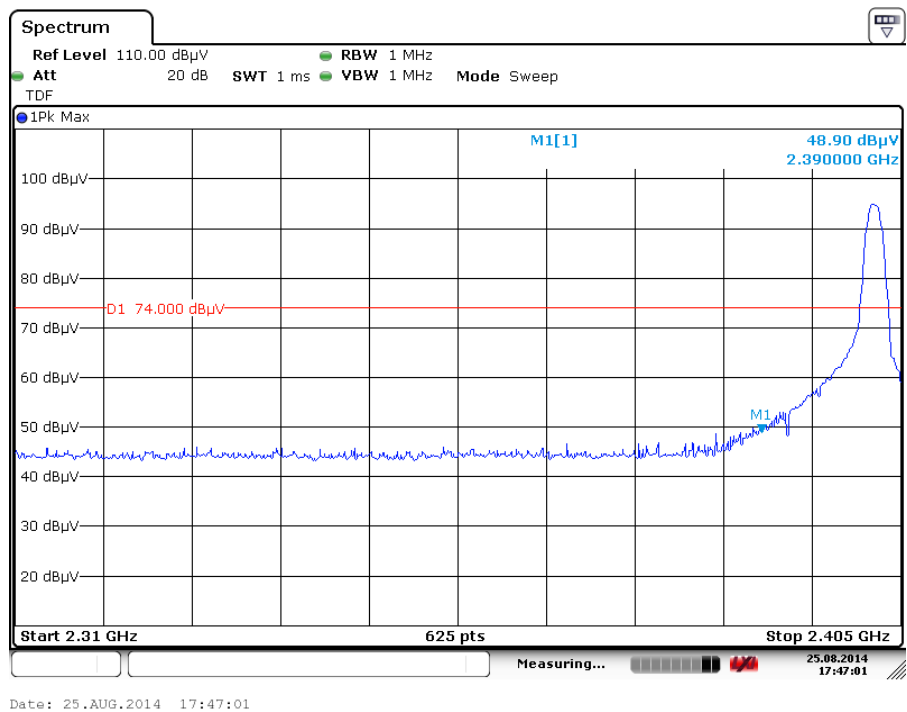
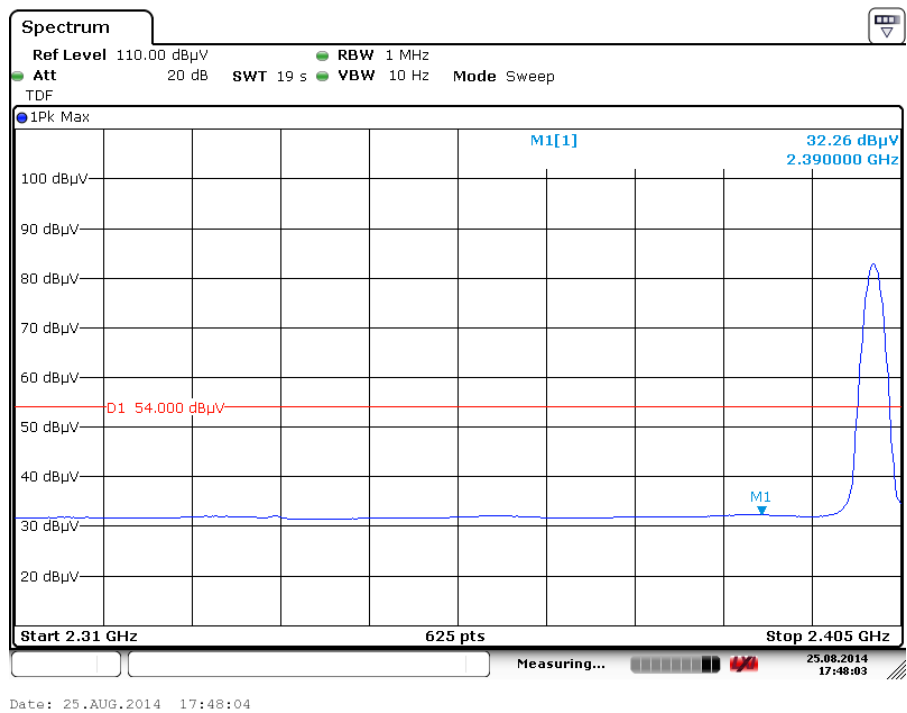
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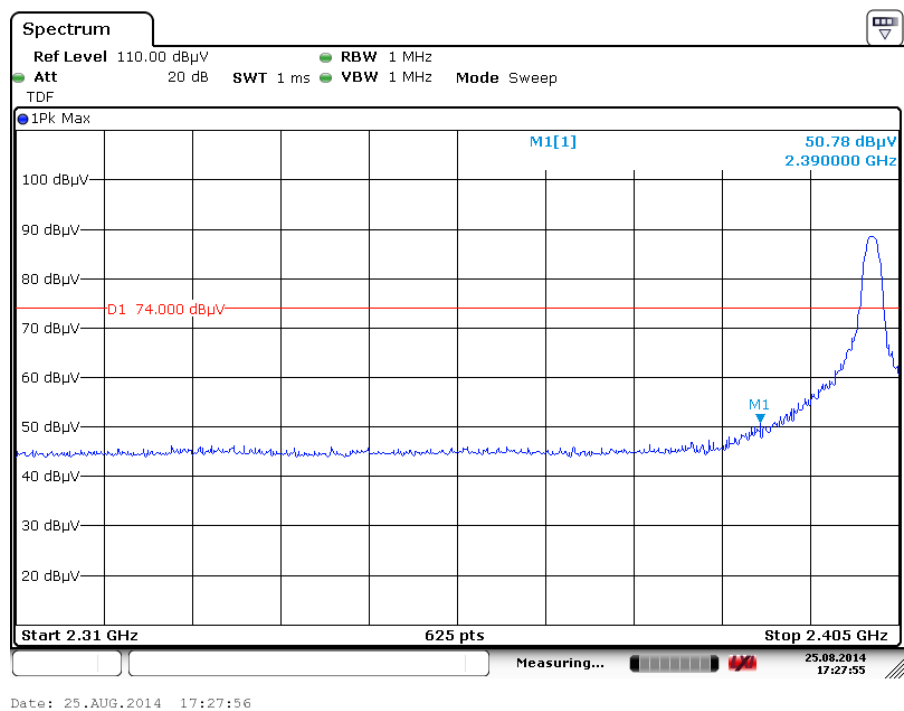
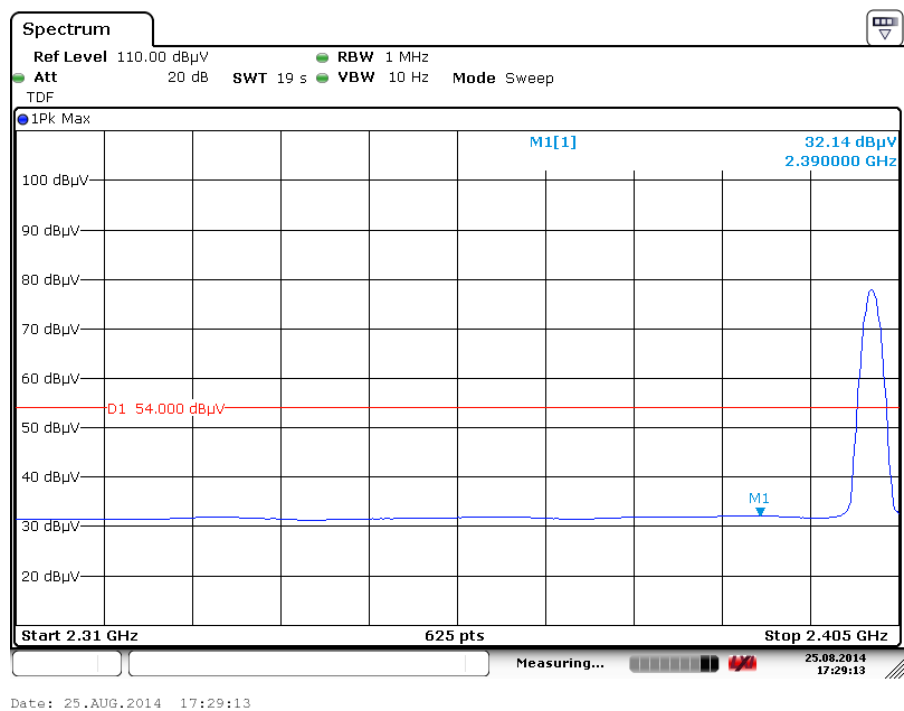
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Radiated Bandedge (GFSK)

Low Channel (Hor)



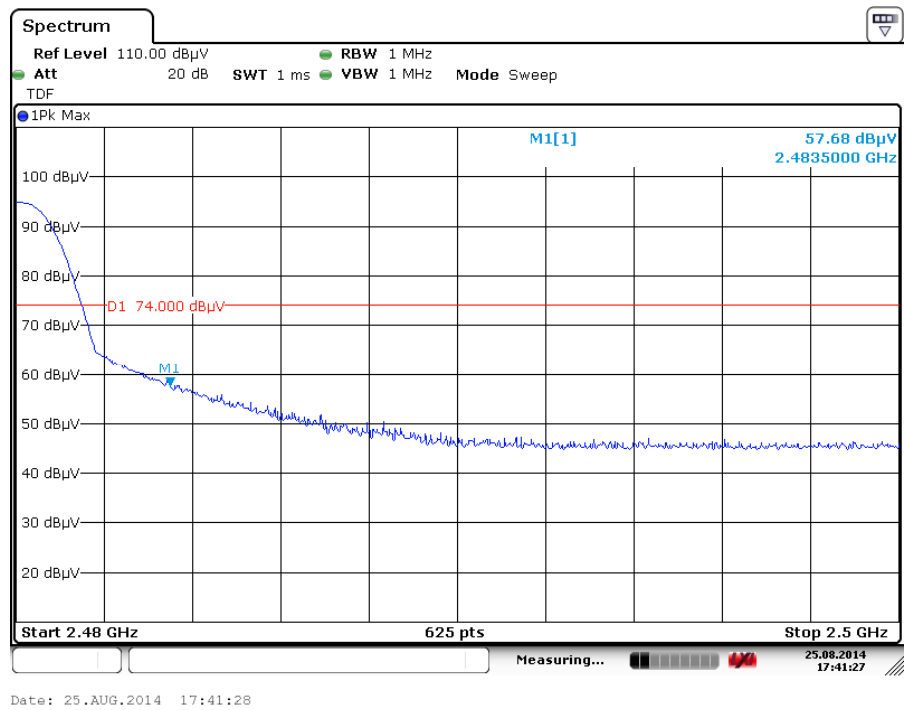
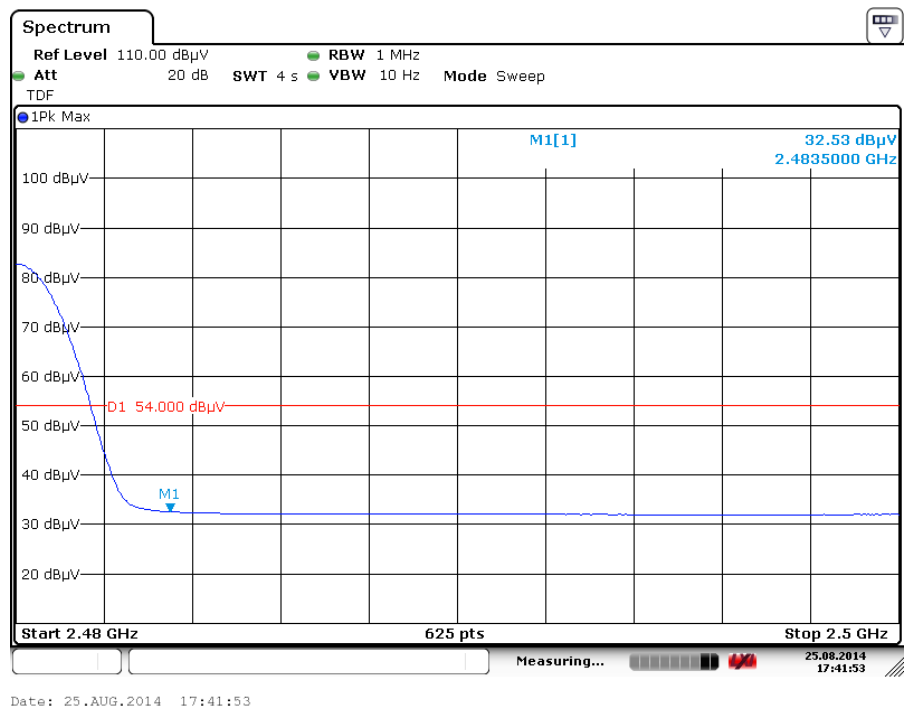
Low Channel (Ver)



Spurious Emissions, Band Edge, 2.35-2.5G

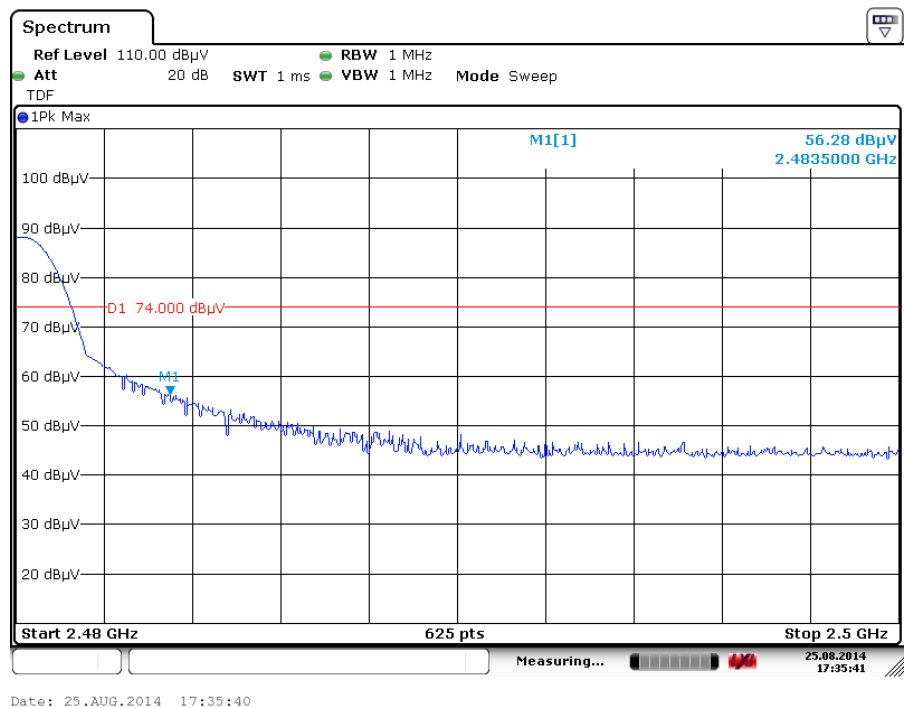
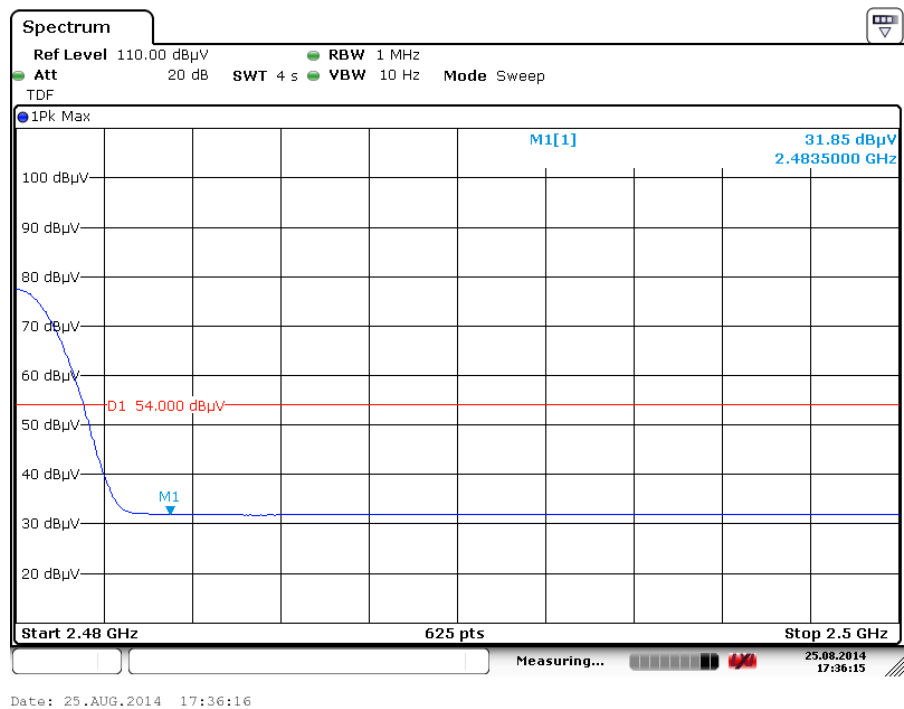
Radiated Bandedge (GFSK)

High Channel (Hor)



Spurious Emissions, Band Edge, 2.35-2.5G

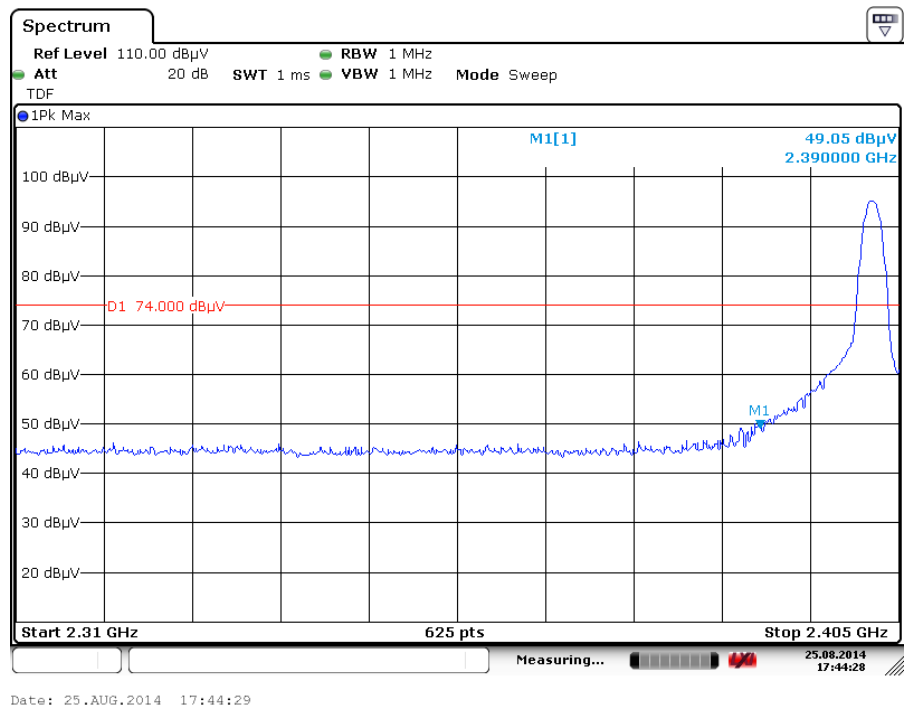
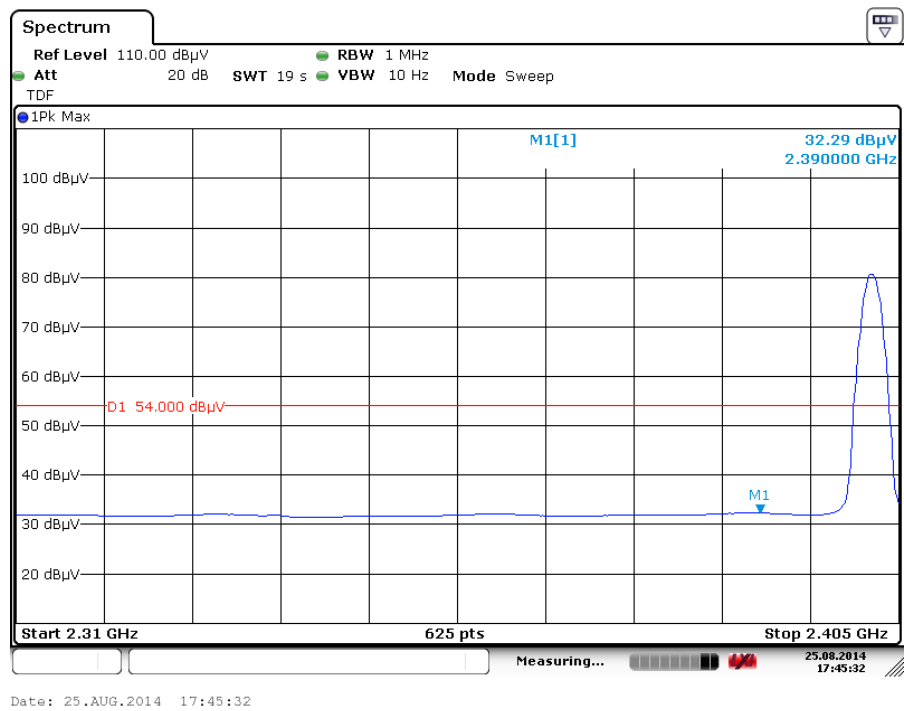
High Channel (Ver)



Spurious Emissions, Band Edge, 2.35-2.5G

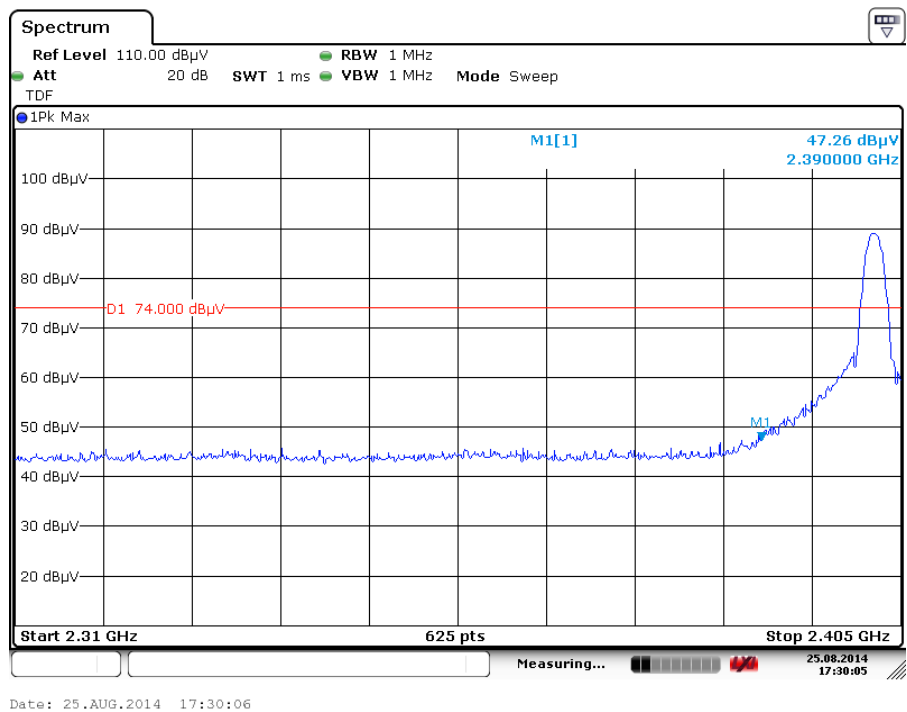
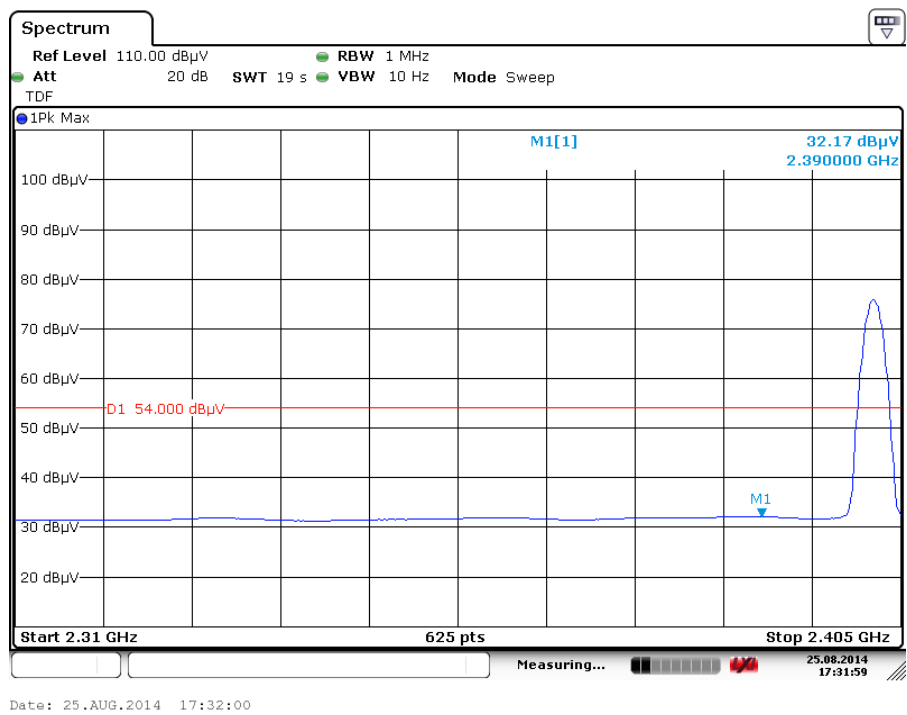
Radiated Bandedge (8DPSK)

Low Channel (Hor)



Spurious Emissions, Band Edge, 2.35-2.5G

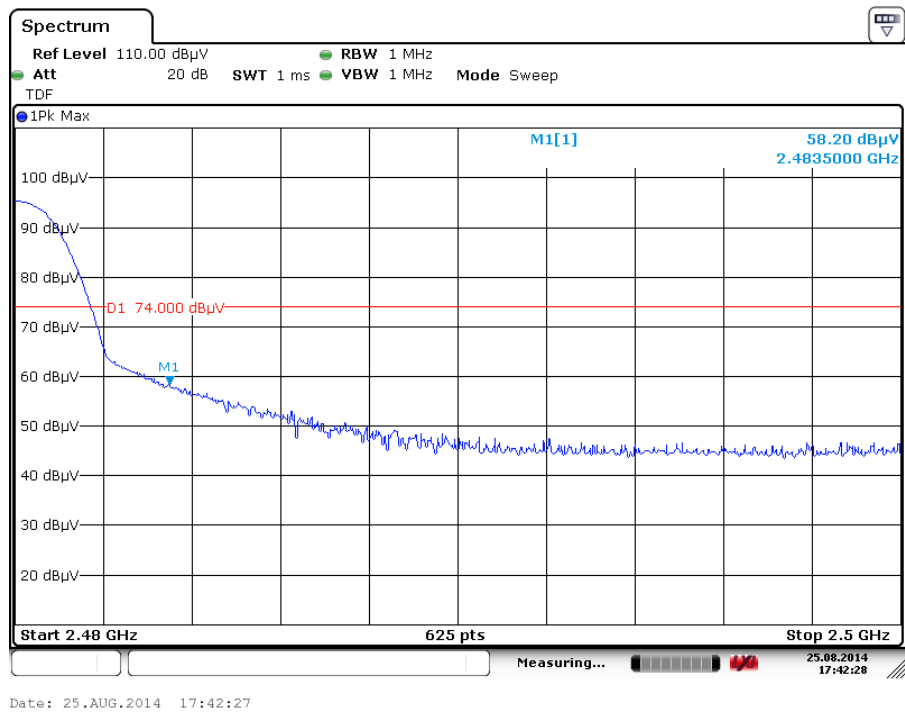
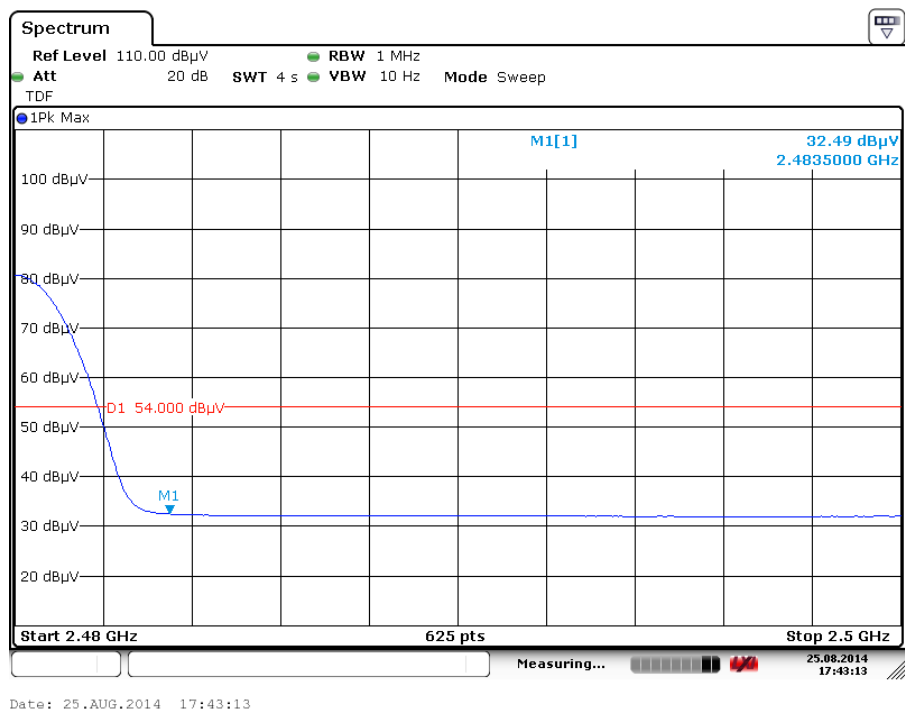
Low Channel (Ver)



Spurious Emissions, Band Edge, 2.35-2.5G

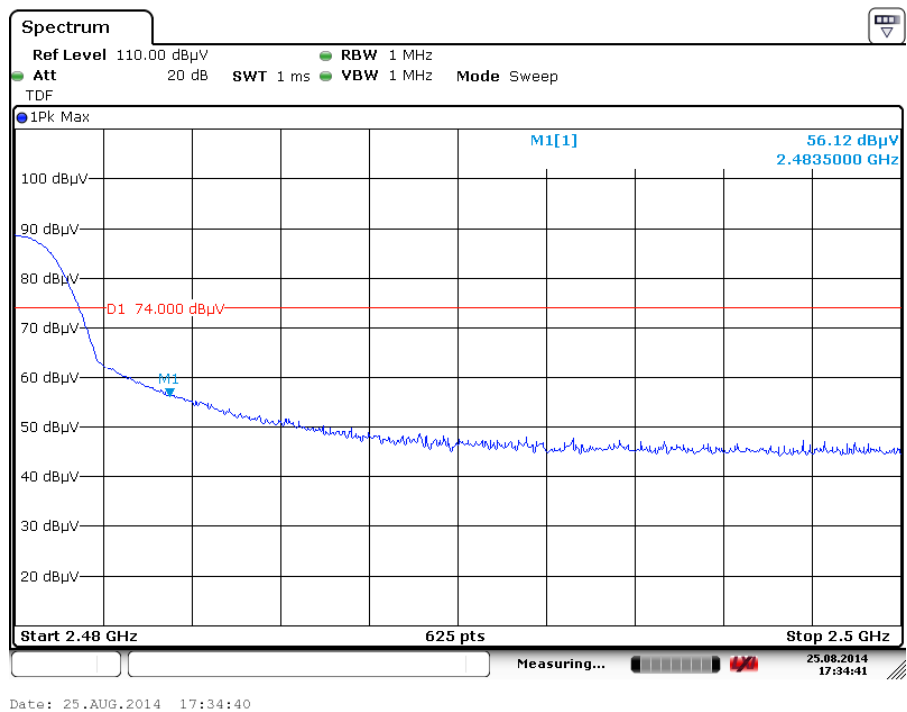
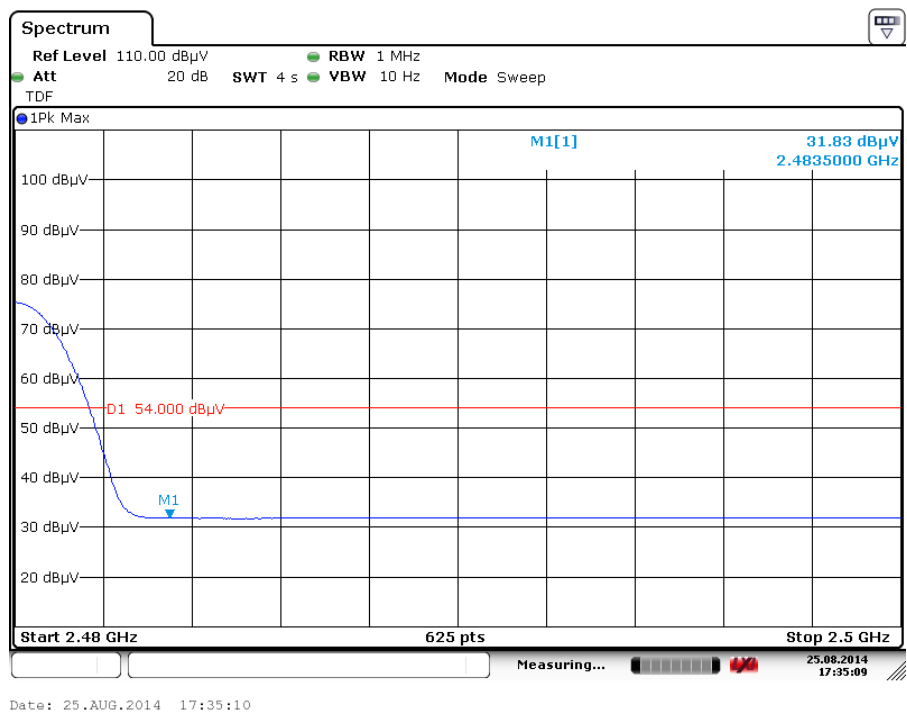
Radiated Bandedge (8DPSK)

High Channel (Hor)



Spurious Emissions, Band Edge, 2.35-2.5G

High Channel (Ver)



Spurious Emissions, Band Edge, 2.35-2.5G

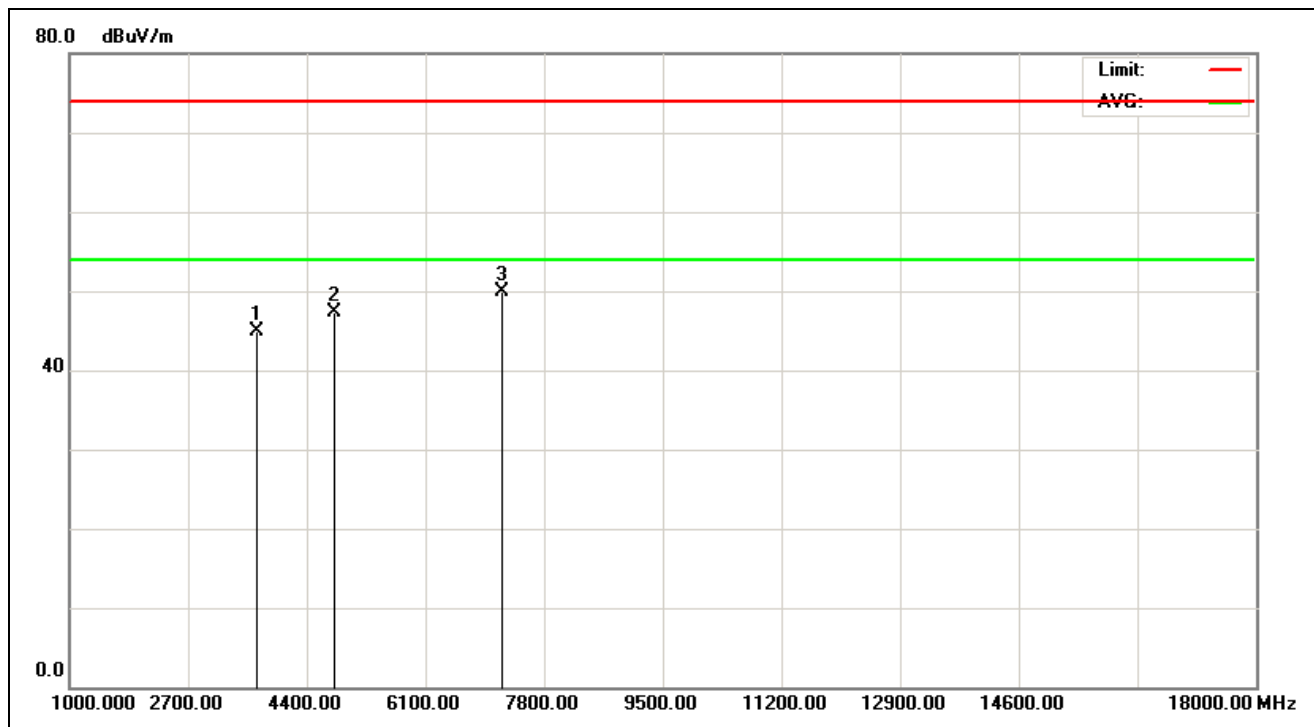
Spurious Emissions, TX Mode, 1-18G



TUV Rheinland Taiwan

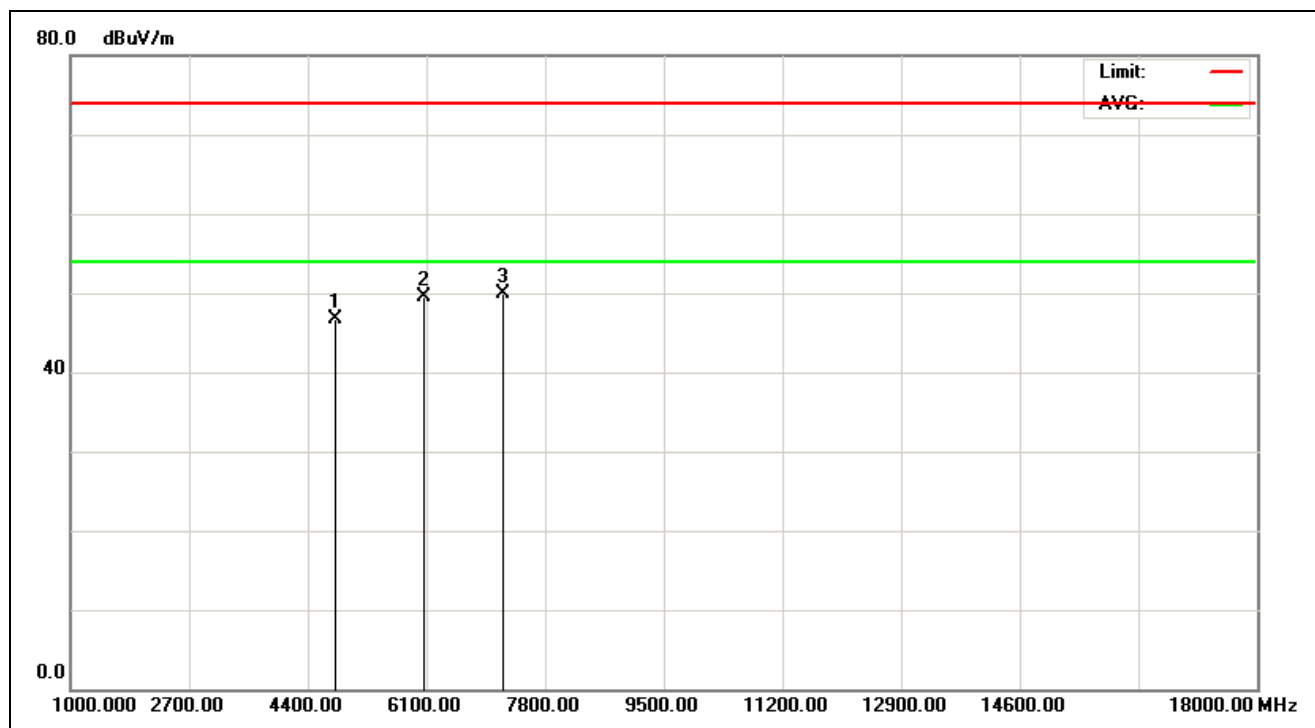
11F.,No.758,Sec. 4,Bade Rd.,Songshan Dist.,Taipei 105,Taiwan

Tel:+886-2-2172-7000 Fax:+886-2-2528-0018



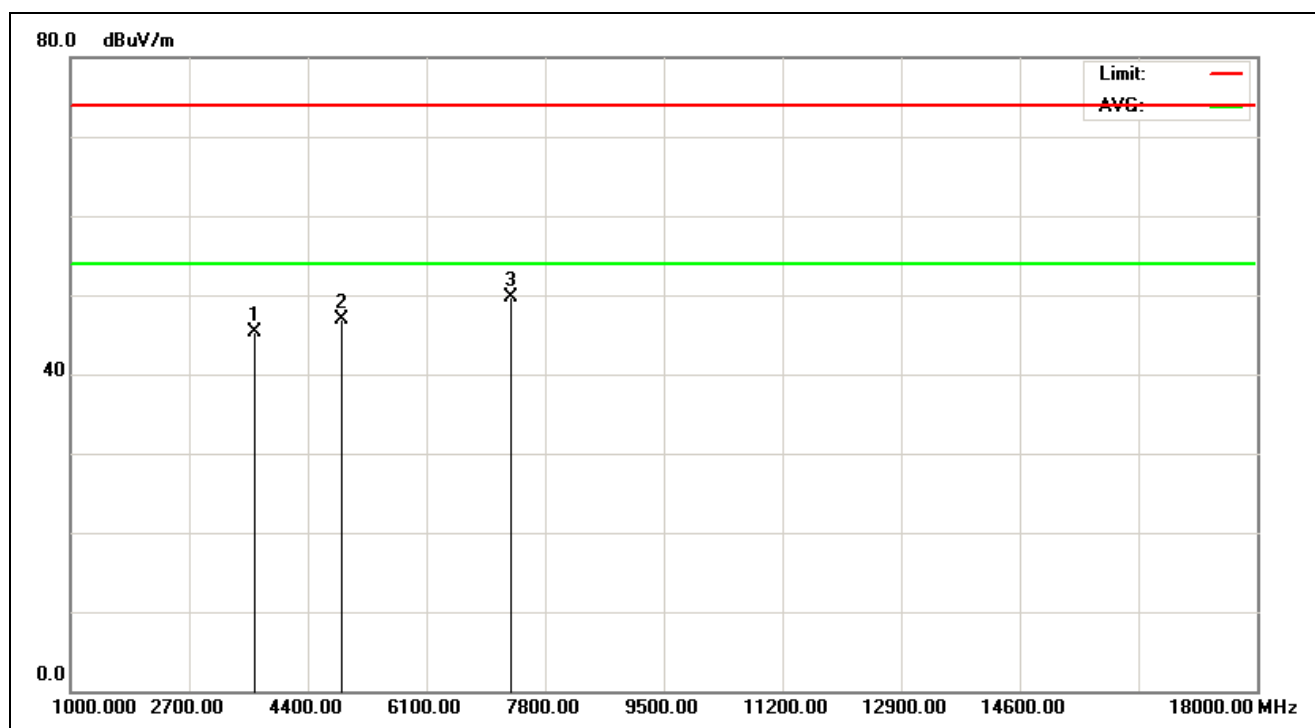
Service No.:	114025239-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2014/8/25 17:56:04
Applicant:	ISSC	Test Rating:	DC 5V
Product:	Bluetooth module	Temp.(°C)/Hum.(%) :	29(°C)/52%
Model No.:	BM23SPKXY	Test Engineer:	Hugo Chang
Test Mode:	BT-2402		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	3697.115	-5.50	50.34	44.84	74.00	-29.16	peak	100	285	
2	4804.000	-2.59	49.94	47.35	74.00	-26.65	peak			
3	7206.000	5.44	44.54	49.98	74.00	-24.02	peak			



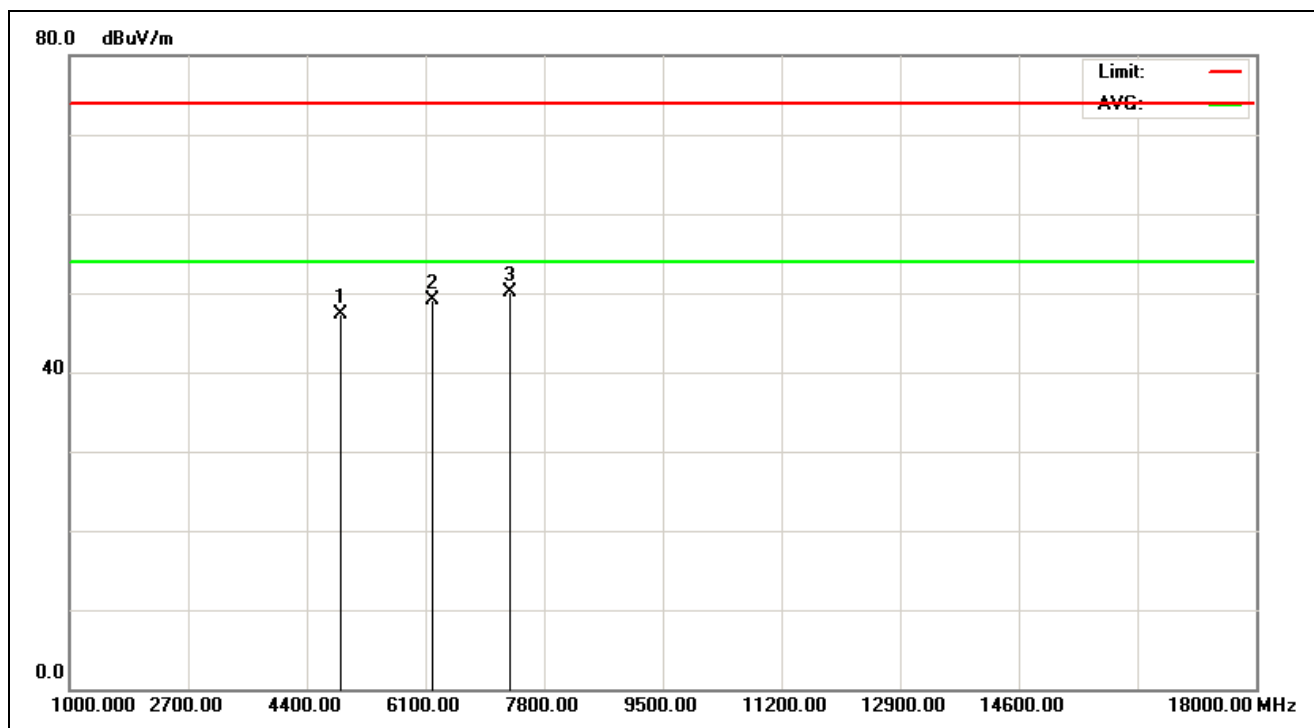
Service No.:	114025239-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2014/8/25 17:57:06
Applicant:	ISSC	Test Rating:	DC 5V
Product:	Bluetooth module	Temp.(°C)/Hum.(%):	29(°C)/52%
Model No.:	BM23SPKXY	Test Engineer:	Hugo Chang
Test Mode:	BT-2402		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4804.000	-2.59	49.27	46.68	74.00	-27.32	peak			
2	6067.308	3.94	45.66	49.60	74.00	-24.40	peak	100	348	
3	7206.000	5.44	44.49	49.93	74.00	-24.07	peak			



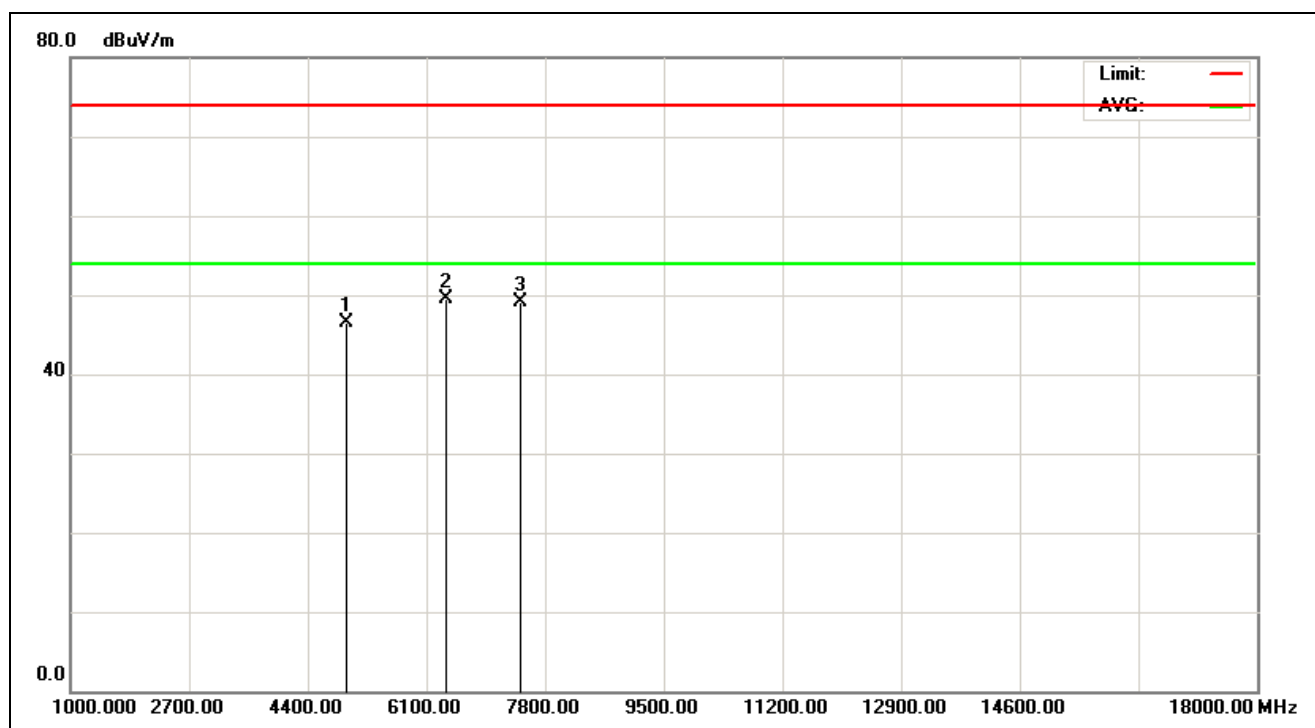
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Test item:	Radiation Emission	Test Time:	2014/8/25 18:01:44
Applicant:	ISSC	Test Rating:	DC 5V
Product:	Bluetooth module	Temp.(°C)/Hum.(%):	29(°C)/52%
Model No.:	BM23SPKXY	Test Engineer:	Hugo Chang
Test Mode:	BT-2441		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	3642.628	-5.55	50.77	45.22	74.00	-28.78	peak	100	237	
2	4882.000	-2.39	49.22	46.83	74.00	-27.17	peak			
3	7323.000	5.76	43.89	49.65	74.00	-24.35	peak			



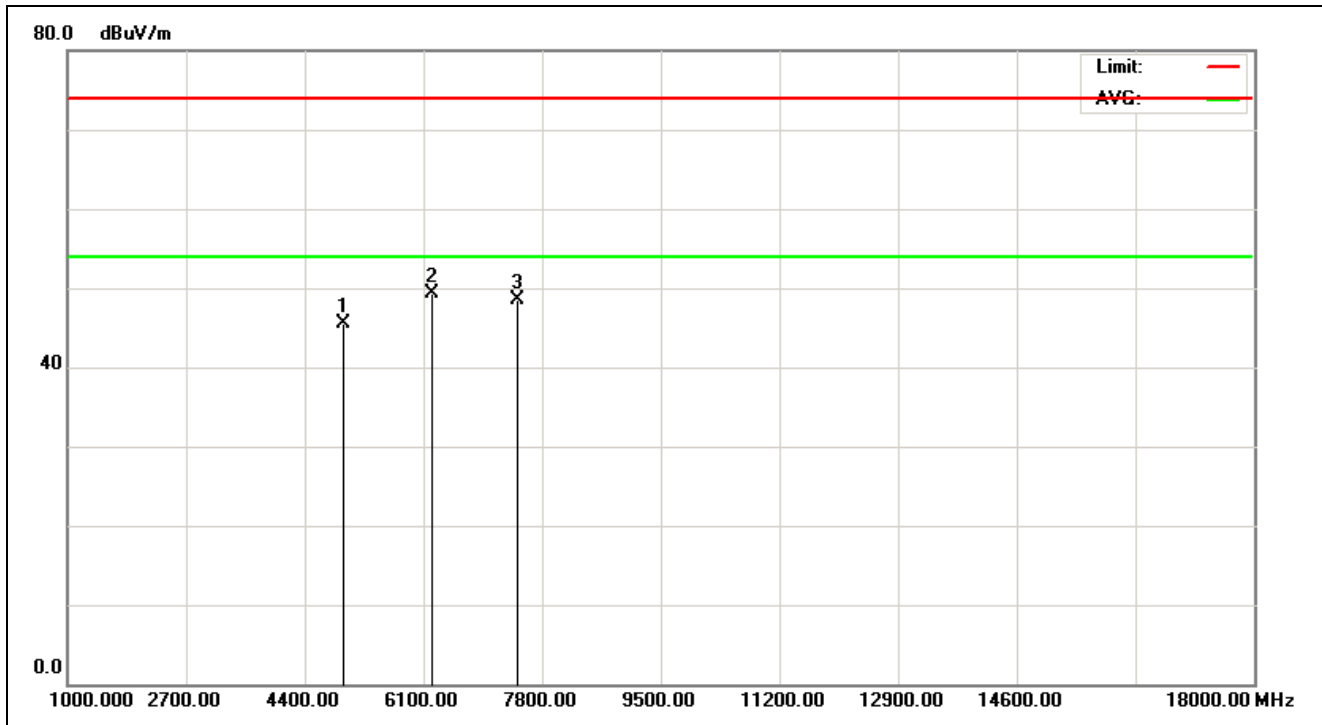
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Applicant:	ISSC	Test Rating:	DC 5V
Product:	Bluetooth module	Temp.(°C)/Hum.(%):	29(°C)/52%
Model No.:	BM23SPKXY	Test Engineer:	Hugo Chang
Test Mode:	BT-2441		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4882.000	-2.39	49.70	47.31	74.00	-26.69	peak			
2	6203.526	4.42	44.65	49.07	74.00	-24.93	peak	100	46	
3	7323.000	5.76	44.37	50.13	74.00	-23.87	peak			



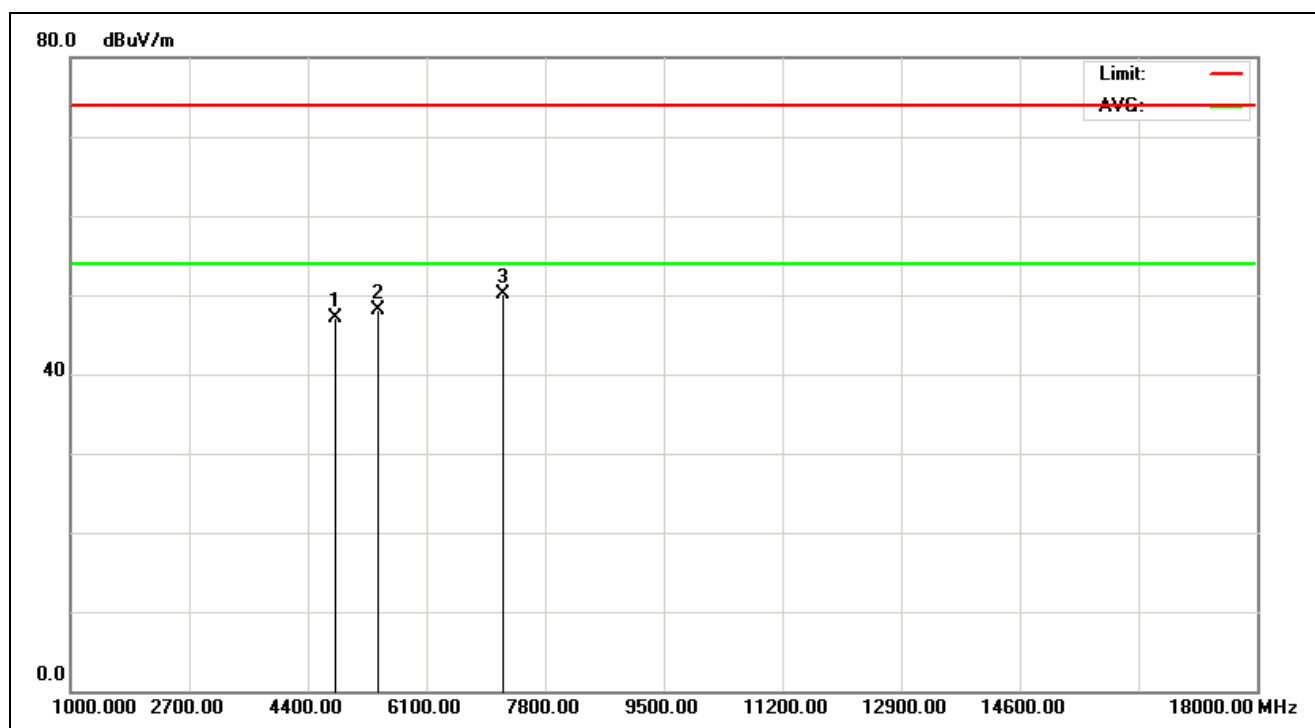
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Test item:	Radiation Emission	Test Time:	2014/8/25 18:05:55
Applicant:	ISSC	Test Rating:	DC 5V
Product:	Bluetooth module	Temp.(°C)/Hum.(%):	29(°C)/52%
Model No.:	BM23SPKXY	Test Engineer:	Hugo Chang
Test Mode:	BT-2480		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4960.000	-2.19	48.76	46.57	74.00	-27.43	peak			
2	6394.231	5.10	44.50	49.60	74.00	-24.40	peak	100	208	
3	7440.000	6.09	43.10	49.19	74.00	-24.81	peak			



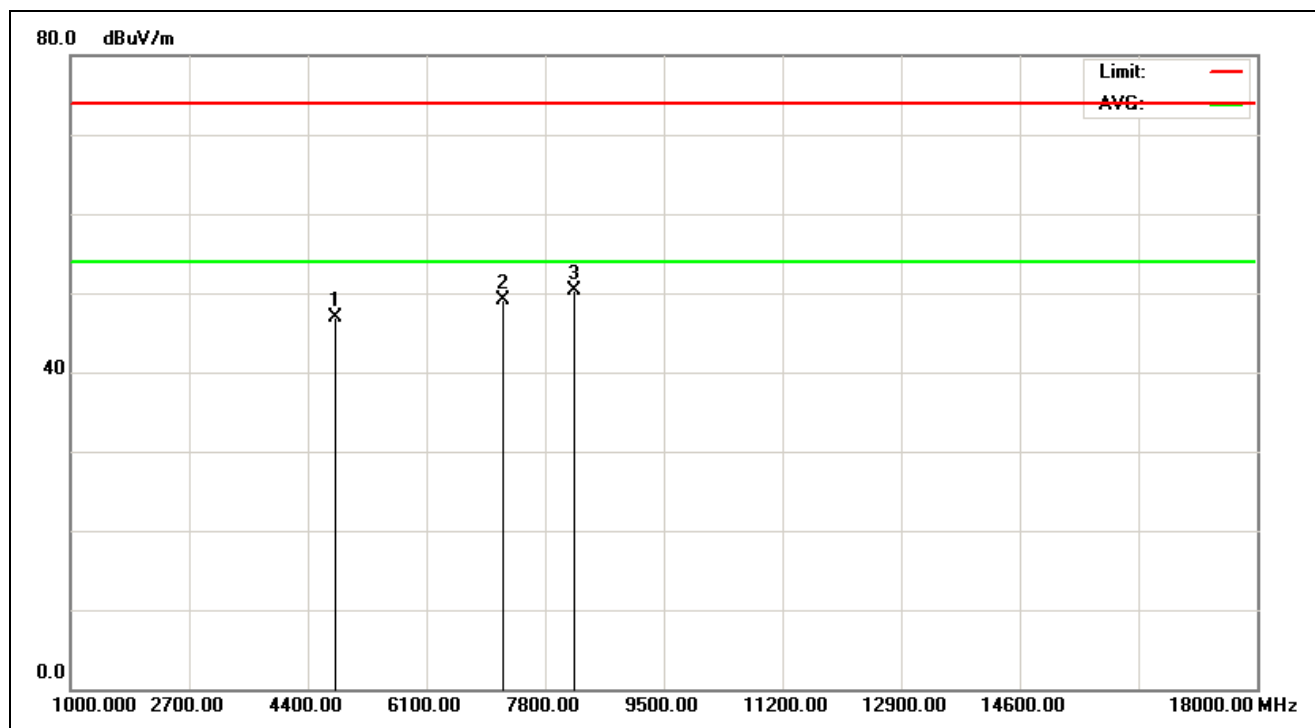
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Applicant:	ISSC	Test Rating:	DC 5V
Product:	Bluetooth module	Temp.(°C)/Hum.(%):	29(°C)/52%
Model No.:	BM23SPKXY	Test Engineer:	Hugo Chang
Test Mode:	BT-2480		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4960.000	-2.19	47.79	45.60	74.00	-28.40	peak			
2	6230.769	4.52	44.85	49.37	74.00	-24.63	peak	100	43	
3	7440.000	6.09	42.46	48.55	74.00	-25.45	peak			



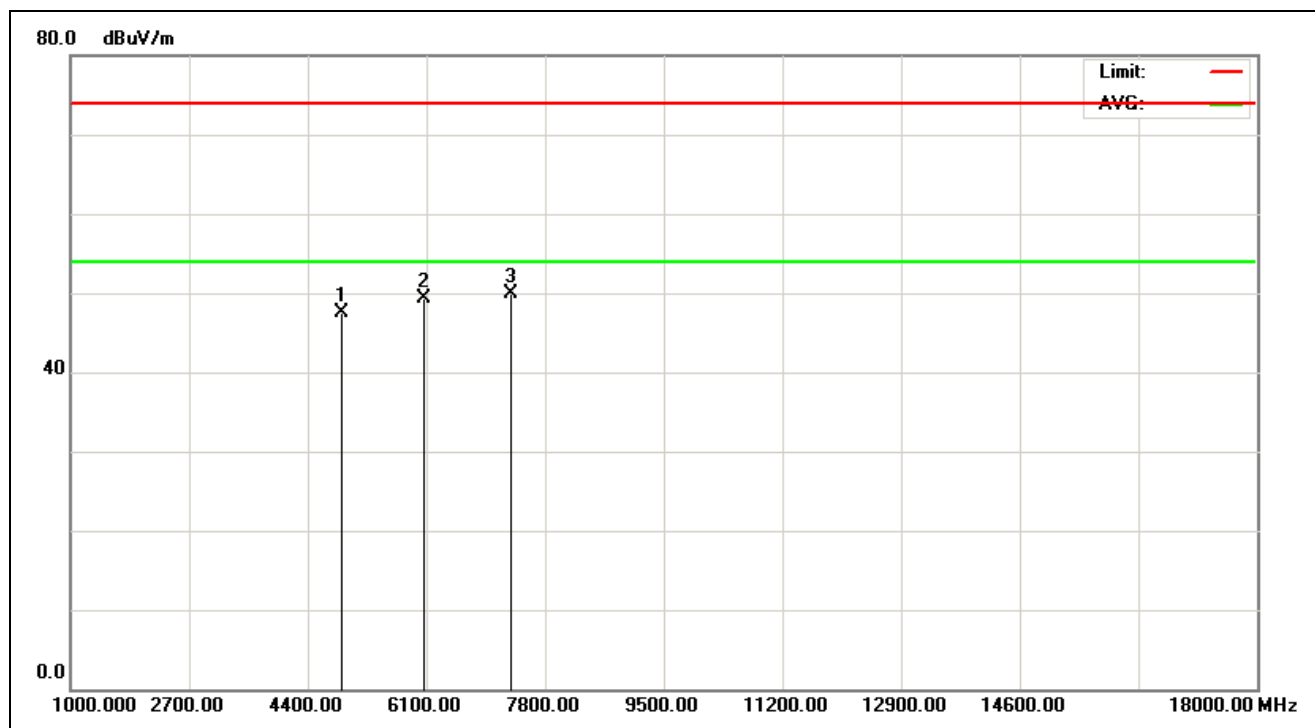
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2014/8/25 18:08:59
Applicant:	ISSC	Test Rating:	DC 5V
Product:	Bluetooth module	Temp.(°C)/Hum.(%):	29(°C)/52%
Model No.:	BM23SPKXY	Test Engineer:	Hugo Chang
Test Mode:	EDR-2402		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4804.000	-2.59	49.78	47.19	74.00	-26.81	peak			
2	5413.462	-0.09	48.29	48.20	74.00	-25.80	peak	100	63	
3	7206.000	5.44	44.57	50.01	74.00	-23.99	peak			



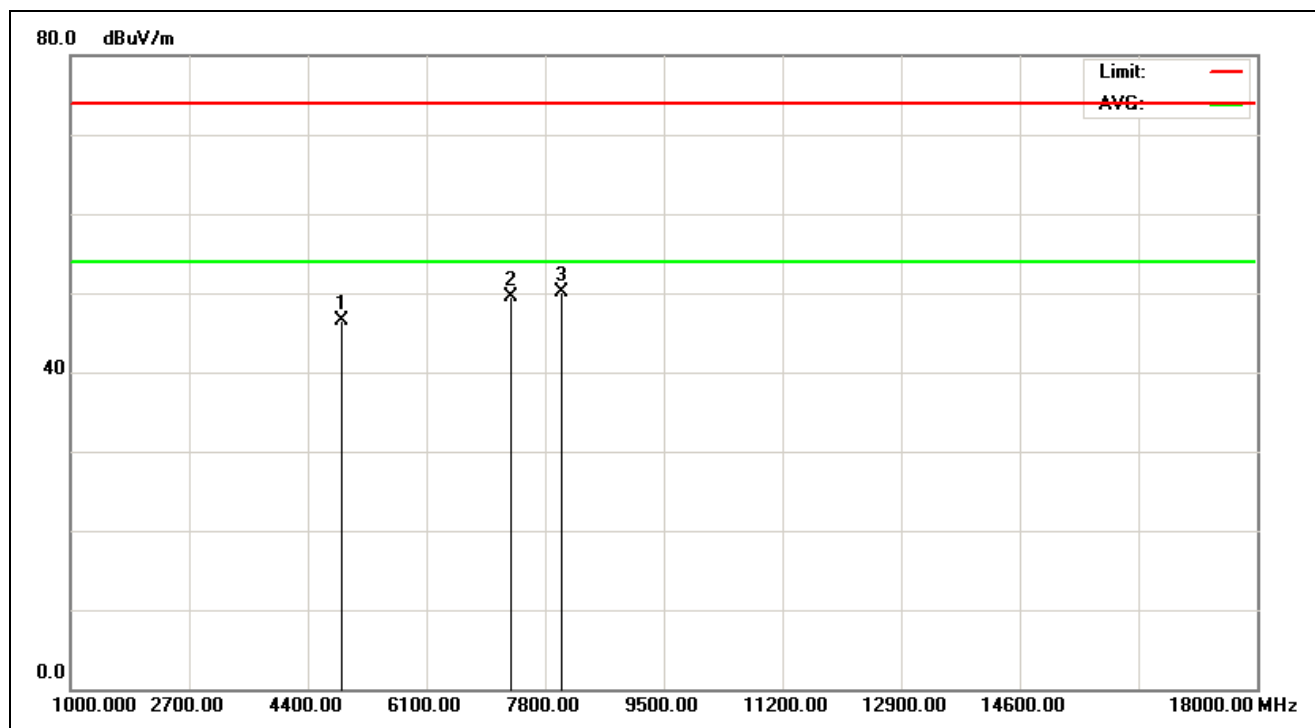
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2014/8/25 18:10:02
Applicant:	ISSC	Test Rating:	DC 5V
Product:	Bluetooth module	Temp.(°C)/Hum.(%):	29(°C)/52%
Model No.:	BM23SPKXY	Test Engineer:	Hugo Chang
Test Mode:	EDR-2402		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4804.000	-2.59	49.40	46.81	74.00	-27.19	peak			
2	7206.000	5.44	43.75	49.19	74.00	-24.81	peak			
3	8219.551	6.19	44.03	50.22	74.00	-23.78	peak	100	54	



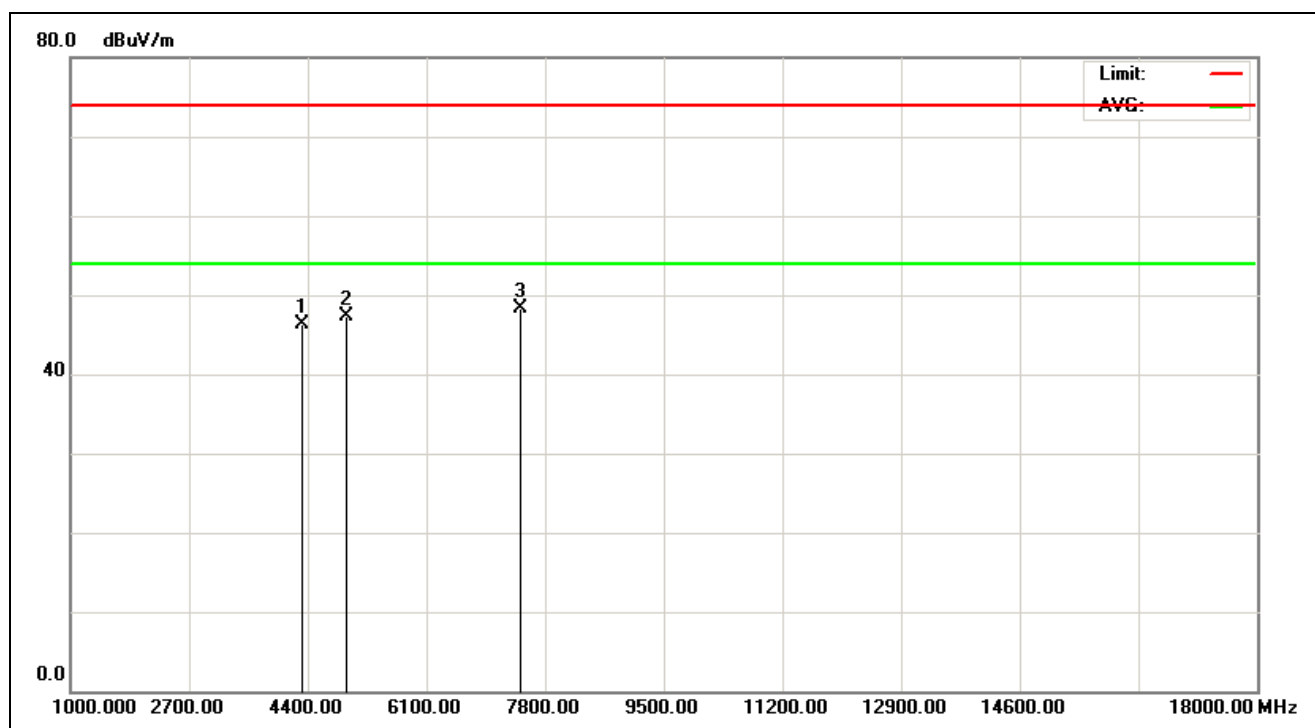
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Test item:	Radiation Emission	Test Time:	2014/8/25 18:11:48
Applicant:	ISSC	Test Rating:	DC 5V
Product:	Bluetooth module	Temp.(°C)/Hum.(%):	29(°C)/52%
Model No.:	BM23SPKXY	Test Engineer:	Hugo Chang
Test Mode:	EDR-2441		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4882.000	-2.39	49.86	47.47	74.00	-26.53	peak			
2	6067.308	3.94	45.46	49.40	74.00	-24.60	peak			
3	7323.000	5.76	44.23	49.99	74.00	-24.01	peak			



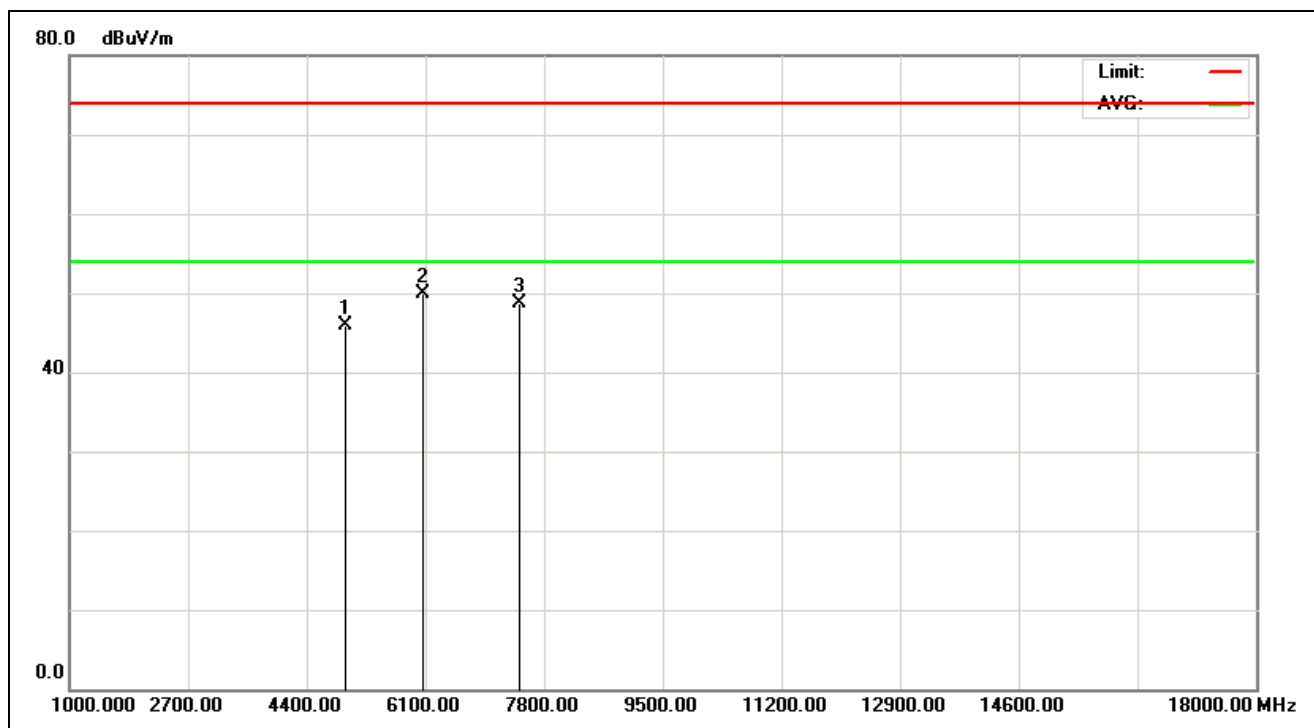
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2014/8/25 18:12:50
Applicant:	ISSC	Test Rating:	DC 5V
Product:	Bluetooth module	Temp.(°C)/Hum.(%):	29(°C)/52%
Model No.:	BM23SPKXY	Test Engineer:	Hugo Chang
Test Mode:	EDR-2441		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4882.000	-2.39	48.91	46.52	74.00	-27.48	peak			
2	7323.000	5.76	43.70	49.46	74.00	-24.54	peak			
3	8028.846	6.04	44.02	50.06	74.00	-23.94	peak			



Service No.:	114025239-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2014/8/29 09:32:12
Applicant:	ISSC	Test Rating:	DC 5V
Product:	Bluetooth module	Temp.(°C)/Hum.(%):	26(°C)/55%
Model No.:	BM23SPKXY	Test Engineer:	Hugo Chang
Test Mode:	EDR-2480		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4323.718	-4.04	50.32	46.28	74.00	-27.72	peak	100	46	
2	4960.000	-2.19	49.58	47.39	74.00	-26.61	peak			
3	7440.000	6.09	42.23	48.32	74.00	-25.68	peak			



Service No.:	114025239-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2014/8/29 09:33:14
Applicant:	ISSC	Test Rating:	DC 5V
Product:	Bluetooth module	Temp.(°C)/Hum.(%):	26(°C)/55%
Model No.:	BM23SPKXY	Test Engineer:	Hugo Chang
Test Mode:	EDR-2480		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	4960.000	-2.19	48.08	45.89	74.00	-28.11	peak			
2	6067.308	3.94	45.95	49.89	74.00	-24.11	peak	100	320	
3	7440.000	6.09	42.66	48.75	74.00	-25.25	peak			

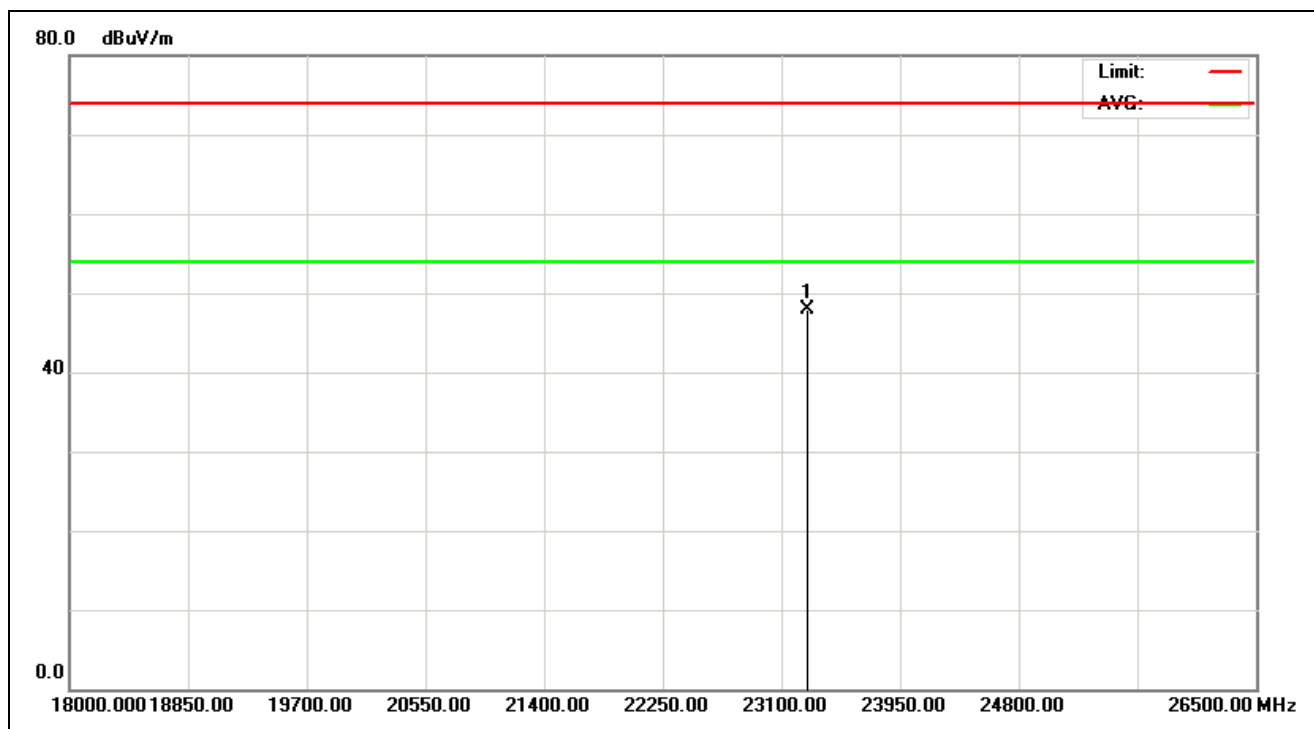
Spurious Emissions, TX Mode, 18-26G



TUV Rheinland Taiwan

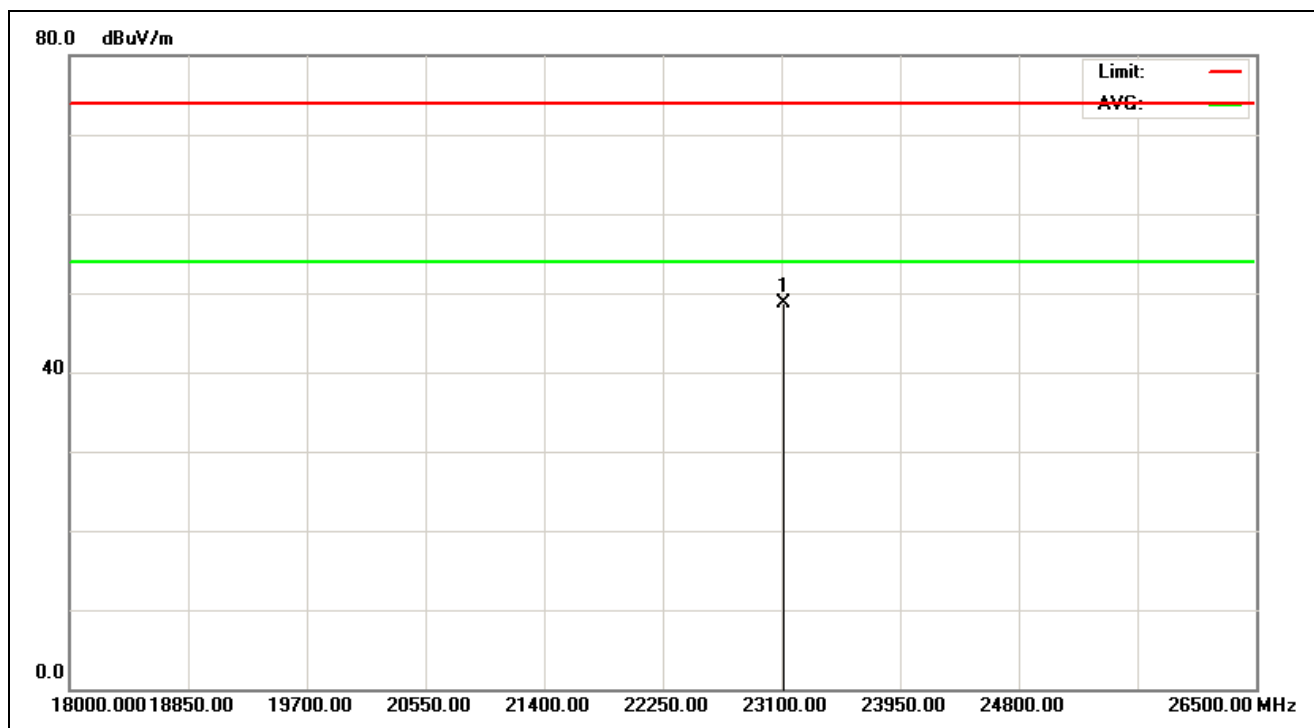
11F.,No.758,Sec. 4,Bade Rd.,Songshan Dist.,Taipei 105,Taiwan

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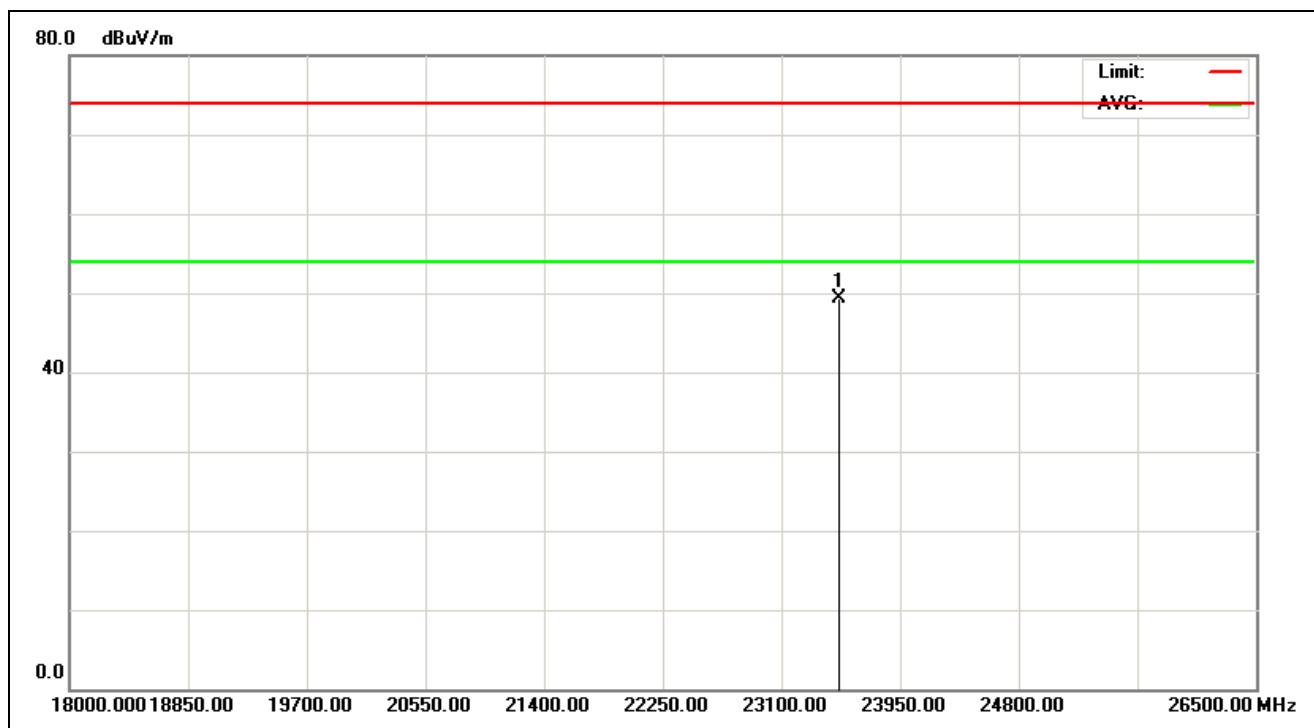
Service No.:	114025239-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2014/8/29 09:45:29
Applicant:	ISSC	Test Rating:	DC 5V
Product:	Bluetooth module	Temp.(°C)/Hum.(%)	26(°C)/55%
Model No.:	BM23SPKXY	Test Engineer:	Hugo Chang
Test Mode:	BT-2402		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23285.256	30.19	17.76	47.95	74.00	-26.05	peak			



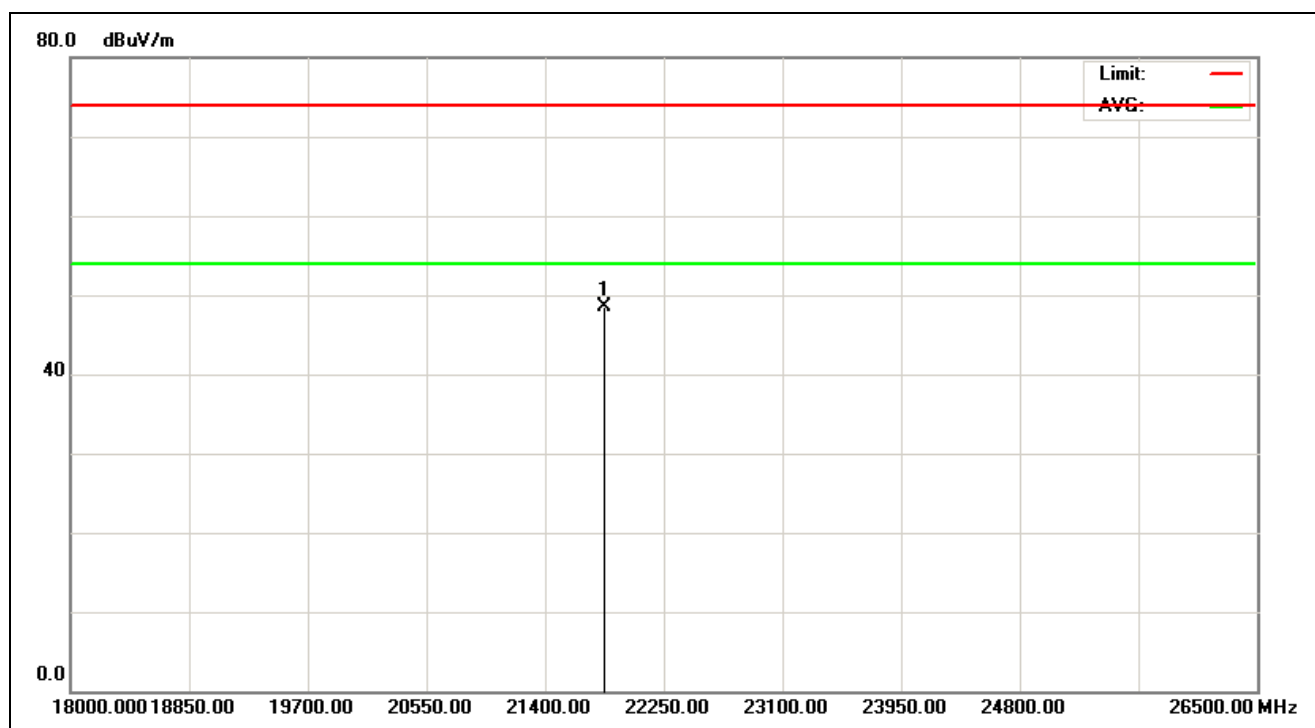
Service No.:	114025239-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2014/8/29 09:47:27
Applicant:	ISSC	Test Rating:	DC 5V
Product:	Bluetooth module	Temp.(°C)/Hum.(%)	26(°C)/55%
Model No.:	BM23SPKXY	Test Engineer:	Hugo Chang
Test Mode:	BT-2402		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23121.795	30.24	18.44	48.68	74.00	-25.32	peak			



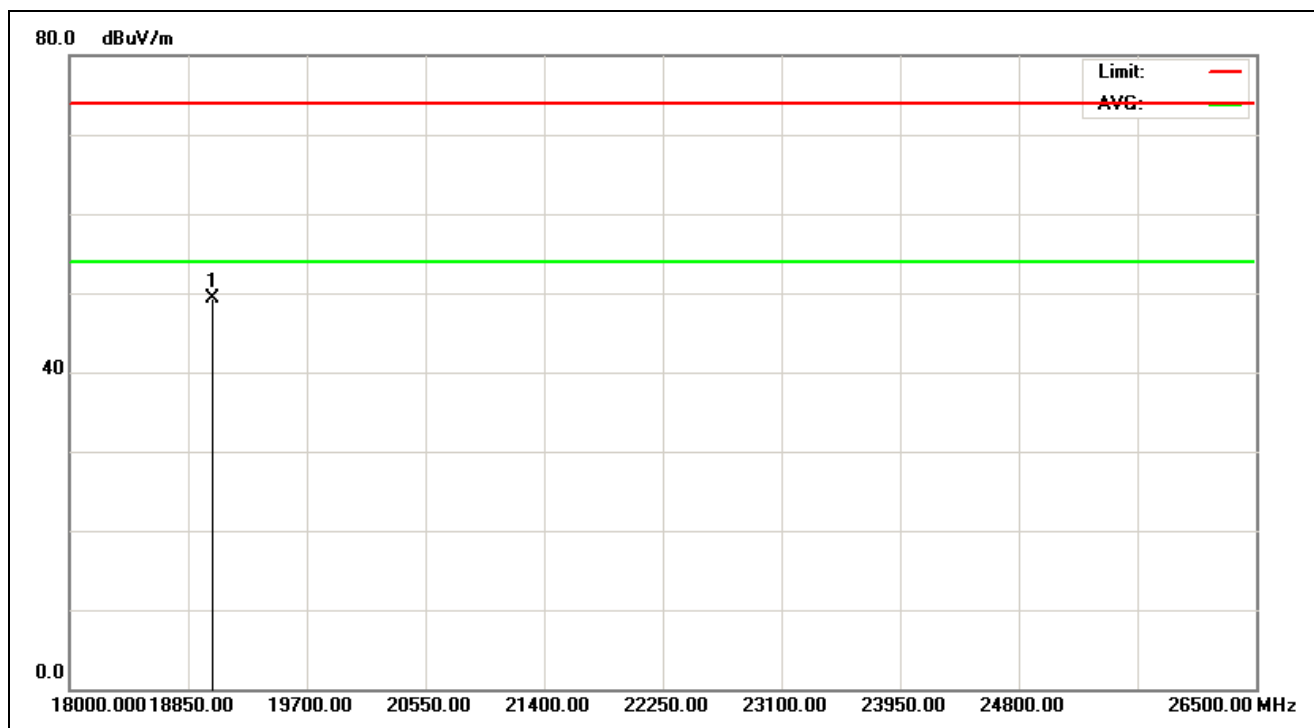
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2014/8/29 09:48:31
Applicant:	ISSC	Test Rating:	DC 5V
Product:	Bluetooth module	Temp.(°C)/Hum.(%):	26(°C)/55%
Model No.:	BM23SPKXY	Test Engineer:	Hugo Chang
Test Mode:	BT-2441		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23516.827	30.07	19.15	49.22	74.00	-24.78	peak			



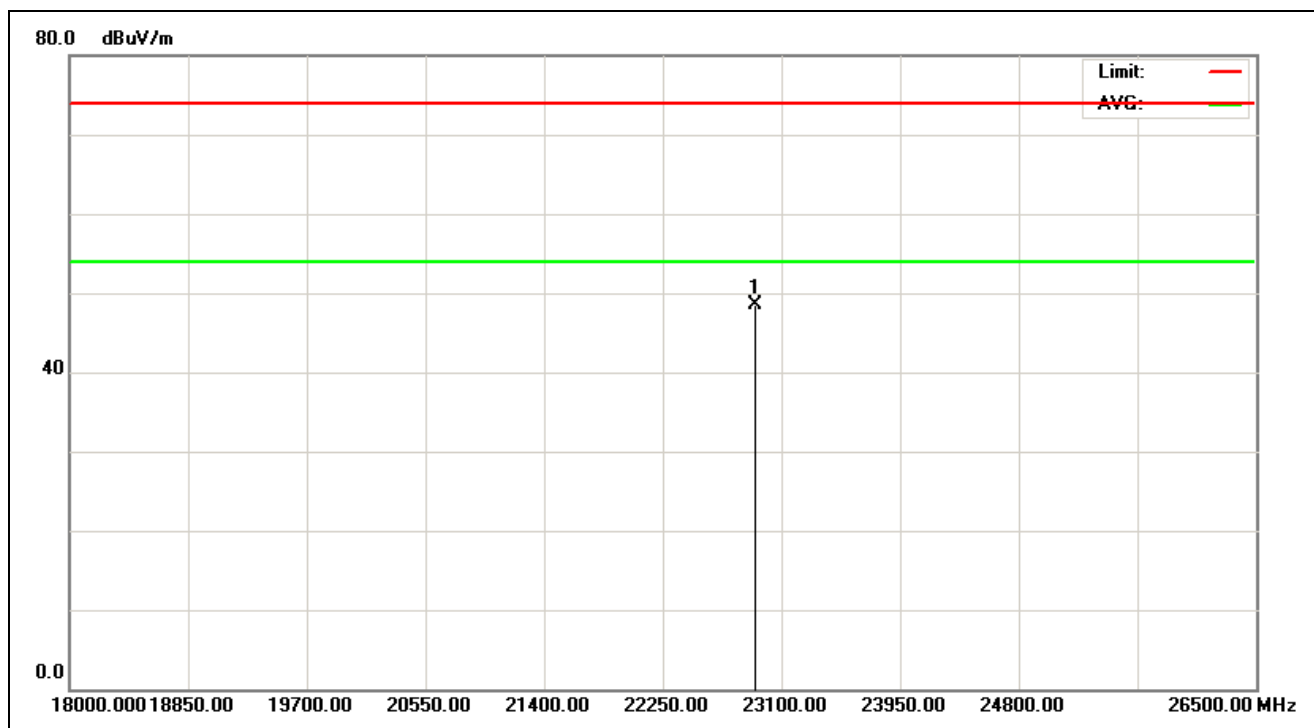
Service No.:	114025239-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2014/8/29 09:49:10
Applicant:	ISSC	Test Rating:	DC 5V
Product:	Bluetooth module	Temp.(°C)/Hum.(%):	26(°C)/55%
Model No.:	BM23SPKXY	Test Engineer:	Hugo Chang
Test Mode:	BT-2441		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	21827.724	29.41	19.06	48.47	74.00	-25.53	peak			



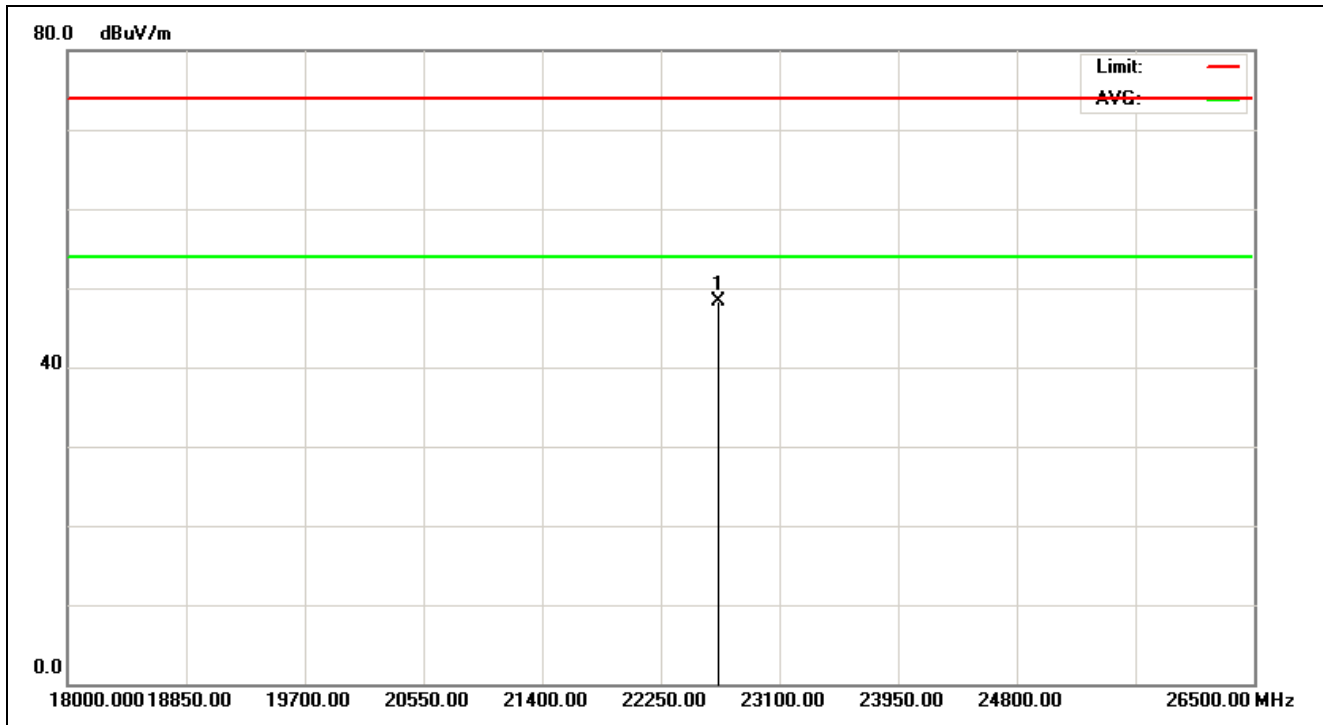
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Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2014/8/29 09:49:37
Applicant:	ISSC	Test Rating:	DC 5V
Product:	Bluetooth module	Temp.(°C)/Hum.(%):	26(°C)/55%
Model No.:	BM23SPKXY	Test Engineer:	Hugo Chang
Test Mode:	BT-2480		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	19021.635	29.93	19.35	49.28	74.00	-24.72	peak			



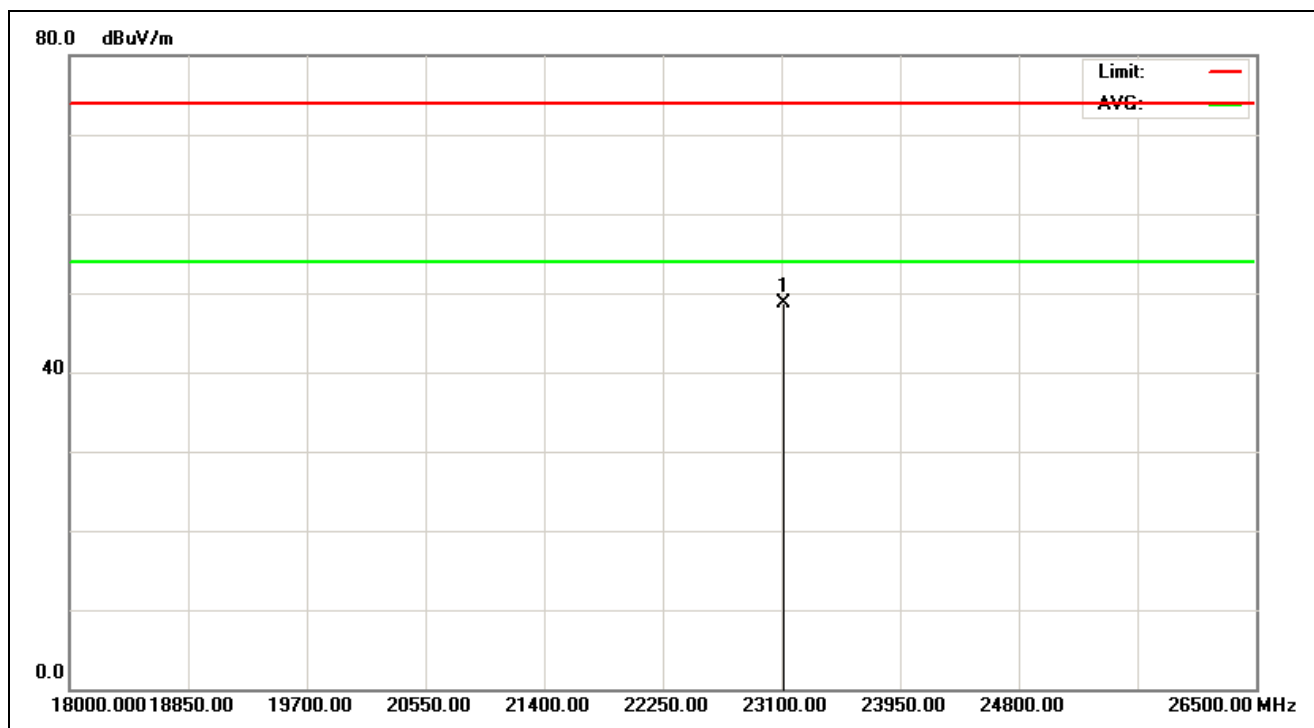
Service No.:	114025239-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2014/8/29 09:50:19
Applicant:	ISSC	Test Rating:	DC 5V
Product:	Bluetooth module	Temp.(°C)/Hum.(%):	26(°C)/55%
Model No.:	BM23SPKXY	Test Engineer:	Hugo Chang
Test Mode:	BT-2480		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22917.468	30.07	18.53	48.60	74.00	-25.40	peak			



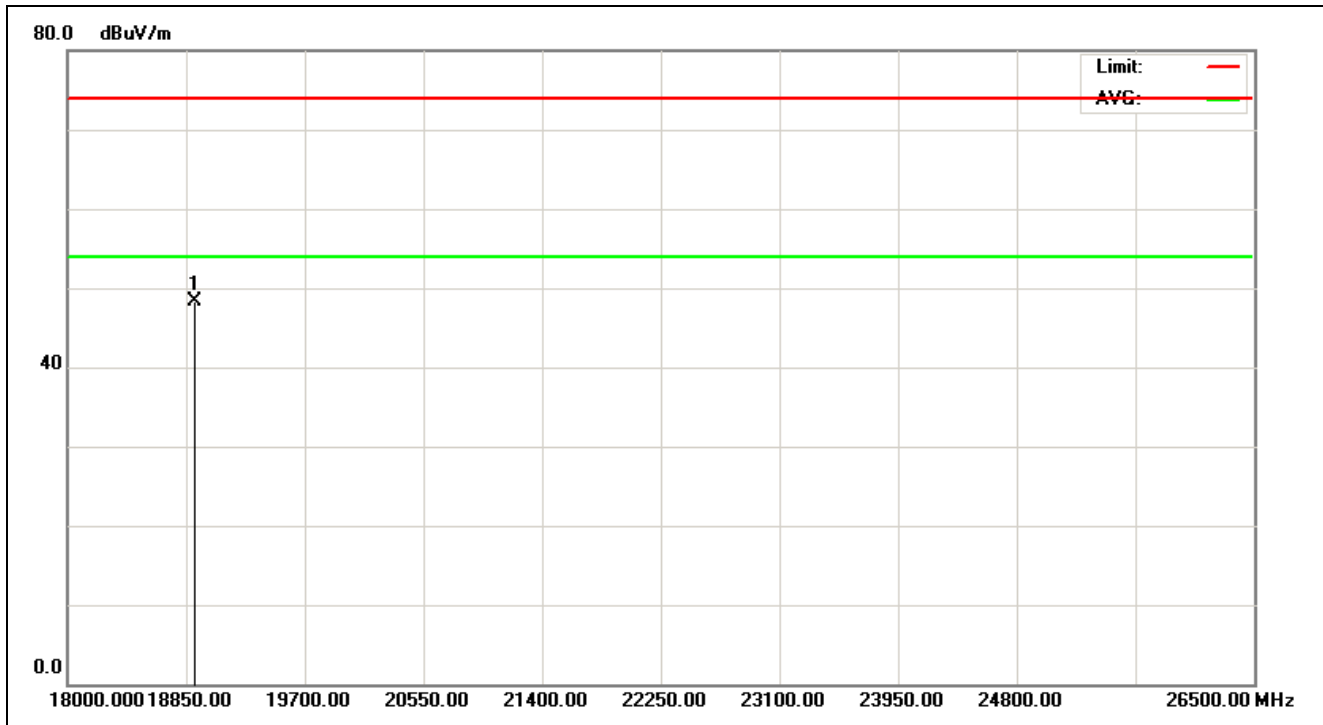
Service No.:	114025239-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2014/8/29 09:50:46
Applicant:	ISSC	Test Rating:	DC 5V
Product:	Bluetooth module	Temp.(°C)/Hum.(%)	26(°C)/55%
Model No.:	BM23SPKXY	Test Engineer:	Hugo Chang
Test Mode:	EDR-2402		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22658.654	29.40	18.86	48.26	74.00	-25.74	peak			



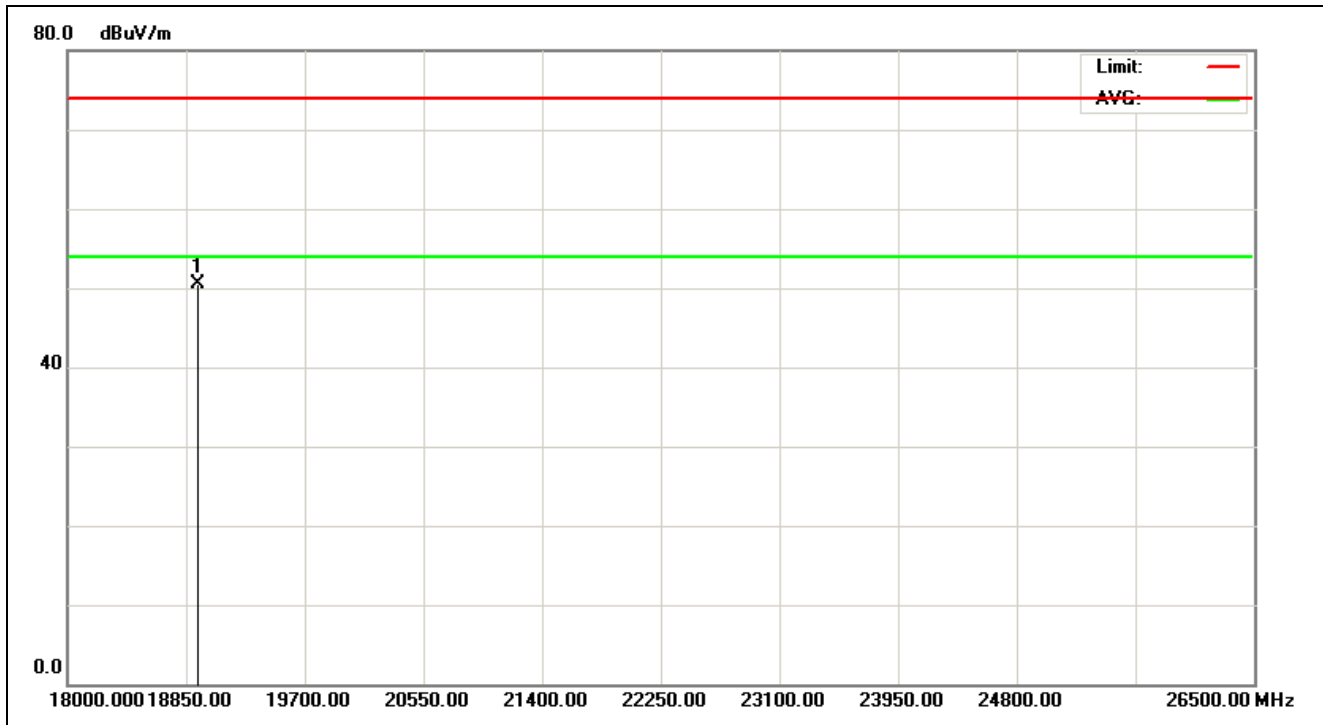
Service No.:	114025239-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2014/8/29 09:51:10
Applicant:	ISSC	Test Rating:	DC 5V
Product:	Bluetooth module	Temp.(°C)/Hum.(%):	26(°C)/55%
Model No.:	BM23SPKXY	Test Engineer:	Hugo Chang
Test Mode:	EDR-2402		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23121.795	30.24	18.40	48.64	74.00	-25.36	peak			



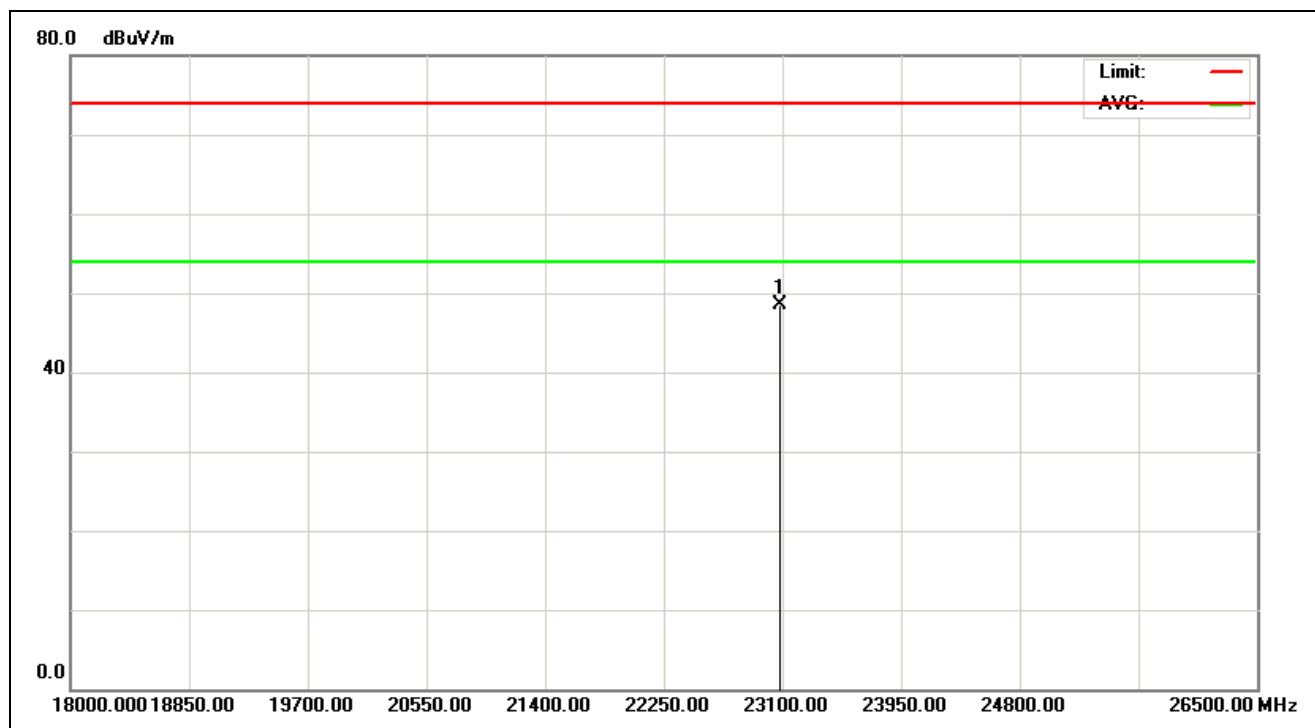
Service No.:	114025239-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2014/8/29 09:51:34
Applicant:	ISSC	Test Rating:	DC 5V
Product:	Bluetooth module	Temp.(°C)/Hum.(%):	26(°C)/55%
Model No.:	BM23SPKXY	Test Engineer:	Hugo Chang
Test Mode:	EDR-2441		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	18912.660	29.71	18.51	48.22	74.00	-25.78	peak			



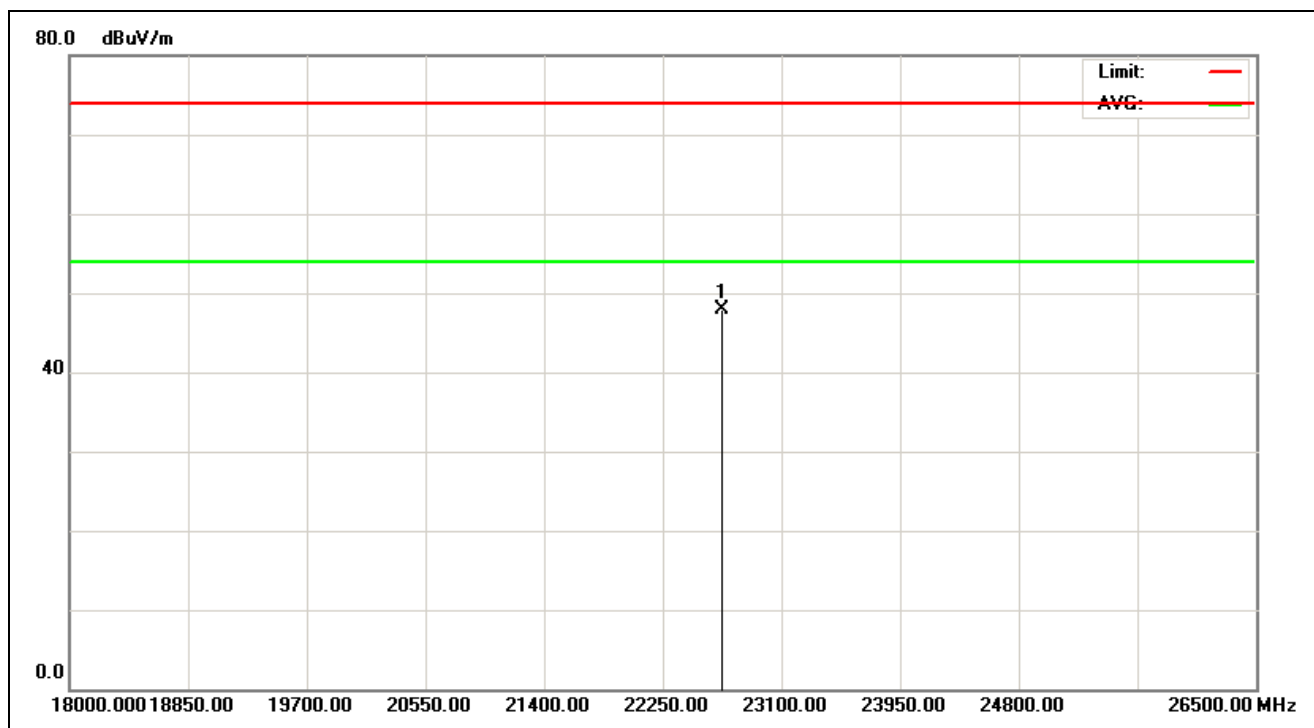
Service No.:	114025239-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2014/8/29 09:52:07
Applicant:	ISSC	Test Rating:	DC 5V
Product:	Bluetooth module	Temp.(°C)/Hum.(%)	26(°C)/55%
Model No.:	BM23SPKXY	Test Engineer:	Hugo Chang
Test Mode:	EDR-2441		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	18939.904	29.80	20.79	50.59	74.00	-23.41	peak			



Service No.:	114025239-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2014/8/29 09:52:34
Applicant:	ISSC	Test Rating:	DC 5V
Product:	Bluetooth module	Temp.(°C)/Hum.(%):	26(°C)/55%
Model No.:	BM23SPKXY	Test Engineer:	Hugo Chang
Test Mode:	EDR-2480		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	23080.929	30.25	18.27	48.52	74.00	-25.48	peak			



Service No.:	114025239-FCC	Test Distance:	3m
Test Standard:	FCC Above 1G PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2014/8/29 09:52:59
Applicant:	ISSC	Test Rating:	DC 5V
Product:	Bluetooth module	Temp.(°C)/Hum.(%):	26(°C)/55%
Model No.:	BM23SPKXY	Test Engineer:	Hugo Chang
Test Mode:	EDR-2480		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	22672.276	29.43	18.40	47.83	74.00	-26.17	peak			

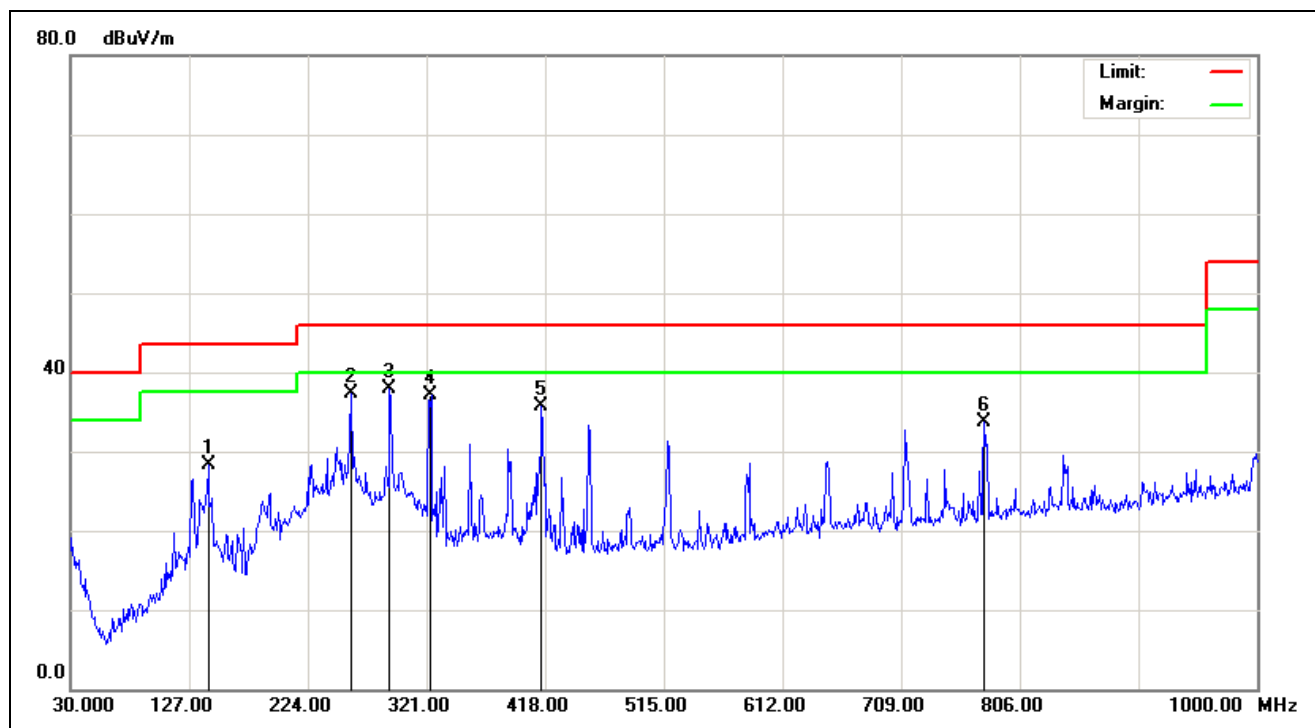
Spurious Emissions, TX Mode, 30M-1G



TUV Rheinland Taiwan

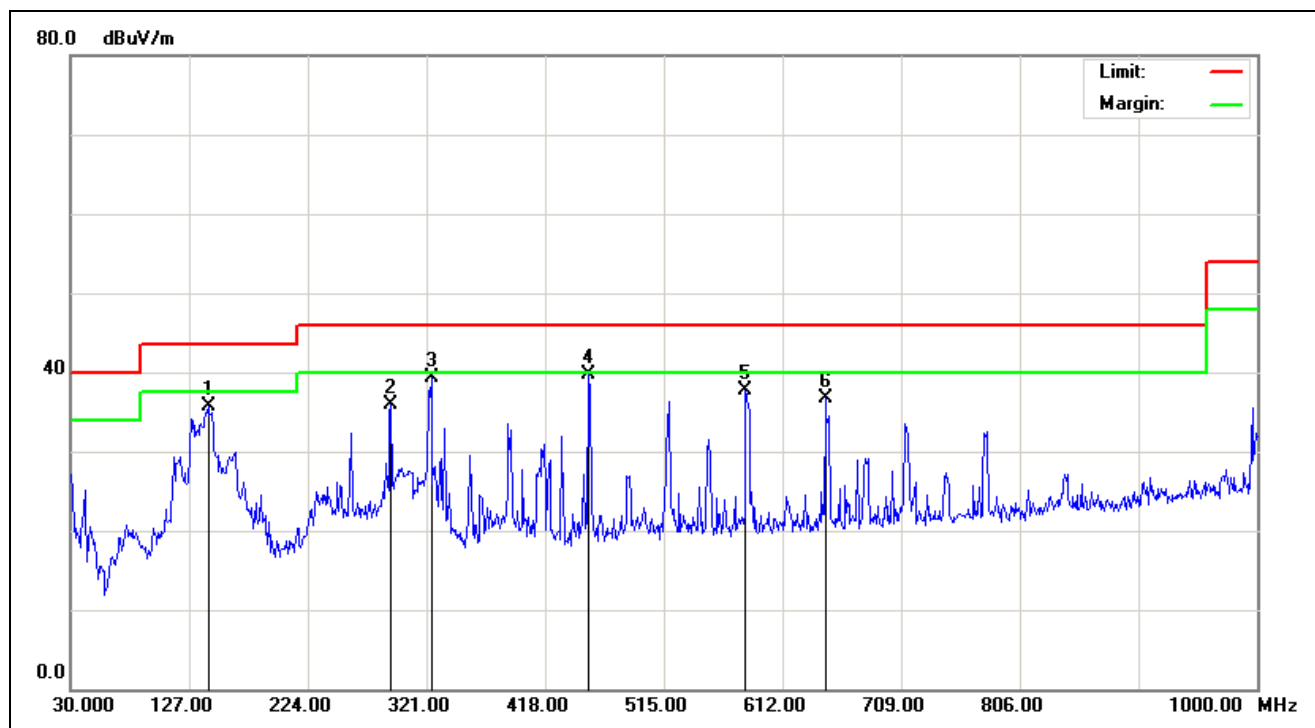
11F.,No.758,Sec. 4,Bade Rd.,Songshan Dist.,Taipei 105,Taiwan

Tel:+886-2-2172-7000 Fax:+886-2-2528-0018



Service No.:	114025239-FCC	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2014/8/29 09:20:57
Applicant:	ISSC	Test Rating:	DC 5V
Product:	Bluetooth module	Temp.(°C)/Hum.(%):	26(°C)/55%
Model No.:	BM23SPKXY	Test Engineer:	Hugo Chang
Test Mode:			
Remark:			

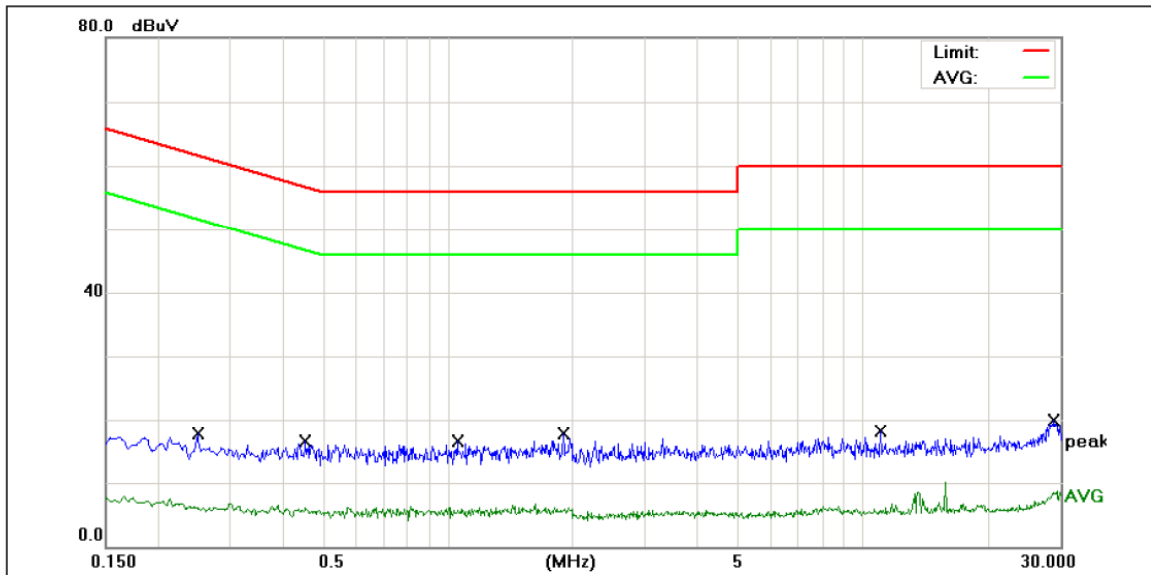
No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	142.5200	-14.36	42.73	28.37	43.50	-15.13	QP	100	244	
2	258.9200	-12.43	49.83	37.40	46.00	-8.60	QP	100	260	
3	290.9300	-12.14	50.00	37.86	46.00	-8.14	QP	100	236	
4	324.8798	-11.42	48.50	37.08	46.00	-8.92	QP	100	228	
5	415.0899	-9.85	45.56	35.71	46.00	-10.29	QP	100	193	
6	776.8999	-4.79	38.42	33.63	46.00	-12.37	QP	100	319	



Service No.:	114025239-FCC	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2014/8/29 09:22:00
Applicant:	ISSC	Test Rating:	DC 5V
Product:	Bluetooth module	Temp.(°C)/Hum.(%):	26(°C)/55%
Model No.:	BM23SPKXY	Test Engineer:	Hugo Chang
Test Mode:			
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	142.5200	-14.36	50.04	35.68	43.50	-7.82	QP	100	221	
2	291.9000	-12.13	48.09	35.96	46.00	-10.04	QP	100	215	
3	324.8800	-11.42	50.78	39.36	46.00	-6.64	QP	100	242	
4	452.9200	-9.29	49.05	39.76	46.00	-6.24	QP	100	170	
5	581.9300	-7.48	45.11	37.63	46.00	-8.37	QP	100	357	
6	646.9200	-6.47	43.12	36.65	46.00	-9.35	QP	100	359	

Mains Spurious Emissions



Service No.: 114025239-EMC

Test Standard: FCC Class B Conduction(QP)

Test item: Conducted Emission

Phase: L1

Applicant: ISSC

Temp.(°C)/Hum.(%): 24(°C) / 53 %

Product: Bluetooth Module

Power Rating: AC 120V/60Hz

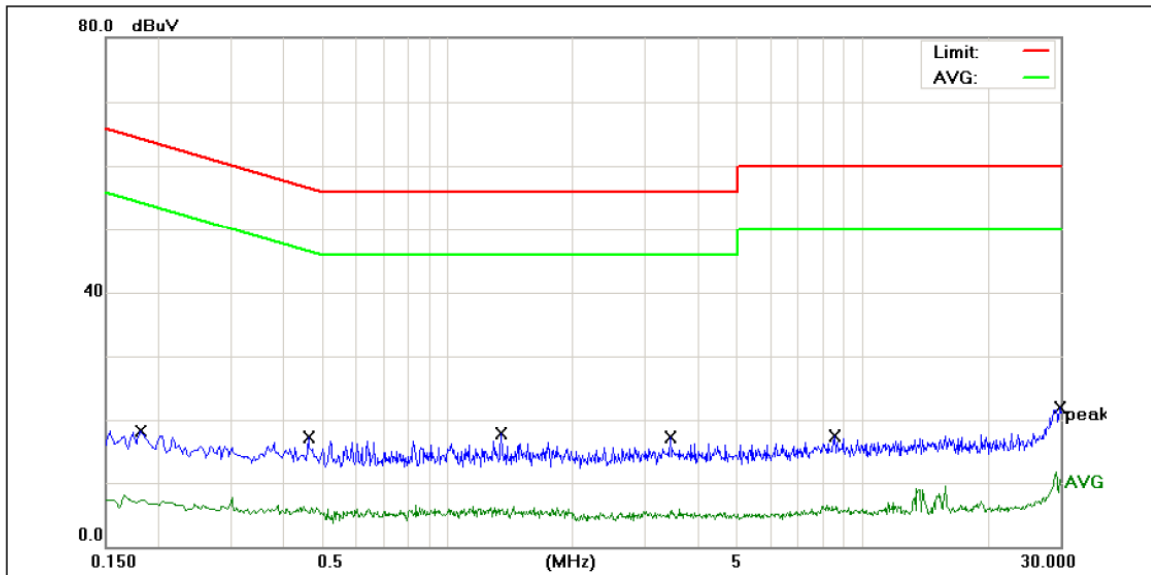
Model No.: BM23SPKXY

Test Engineer: Hugo Chang

Test Mode: Normal link

Remark:

No.	Frequency (MHz)	Factor (dBuV)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.2500	9.62	-0.68	8.94	61.75	-52.81	QP	P	
2	0.2500	9.62	-3.74	5.88	51.75	-45.87	AVG	P	
3	0.4540	9.63	-1.43	8.20	56.80	-48.60	QP	P	
4	0.4540	9.63	-4.40	5.23	46.80	-41.57	AVG	P	
5	1.0580	9.63	-1.52	8.11	56.00	-47.89	QP	P	
6	1.0580	9.63	-4.51	5.12	46.00	-40.88	AVG	P	
7	1.9020	9.64	-1.52	8.12	56.00	-47.88	QP	P	
8	1.9020	9.64	-4.47	5.17	46.00	-40.83	AVG	P	
9	11.0580	9.78	-0.30	9.48	60.00	-50.52	QP	P	
10	11.0580	9.78	-5.09	4.69	50.00	-45.31	AVG	P	
11	28.9140	9.90	3.59	13.49	60.00	-46.51	QP	P	
12	28.9140	9.90	-1.99	7.91	50.00	-42.09	AVG	P	



Service No.: 114025239-EMC

Test Standard: FCC Class B Conduction(QP)

Test item: Conducted Emission

Phase: N

Applicant: ISSC

Temp.(°C)/Hum.(%): 24(°C) / 53 %

Product: Bluetooth Module

Power Rating: AC 120V/60Hz

Model No.: BM23SPKXY

Test Engineer: Hugo Chang

Test Mode: Normal link

Remark:

No.	Frequency (MHz)	Factor (dBuV)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1819	9.65	0.30	9.95	64.39	-54.44	QP	P	
2	0.1819	9.65	-2.95	6.70	54.39	-47.69	AVG	P	
3	0.4620	9.64	-1.52	8.12	56.66	-48.54	QP	P	
4	0.4620	9.64	-4.52	5.12	46.66	-41.54	AVG	P	
5	1.3500	9.65	-1.52	8.13	56.00	-47.87	QP	P	
6	1.3500	9.65	-4.48	5.17	46.00	-40.83	AVG	P	
7	3.4460	9.69	-0.77	8.92	56.00	-47.08	QP	P	
8	3.4460	9.69	-5.33	4.36	46.00	-41.64	AVG	P	
9	8.5580	9.77	-0.08	9.69	60.00	-50.31	QP	P	
10	8.5580	9.77	-4.85	4.92	50.00	-45.08	AVG	P	
11	29.9940	10.08	5.39	15.47	60.00	-44.53	QP	P	
12	29.9940	10.08	-0.69	9.39	50.00	-40.61	AVG	P	