Test Report No.10052944 001

Appendix D: Radiated and Mains Spurious Emission Data

(File: 10052944AppendixD)

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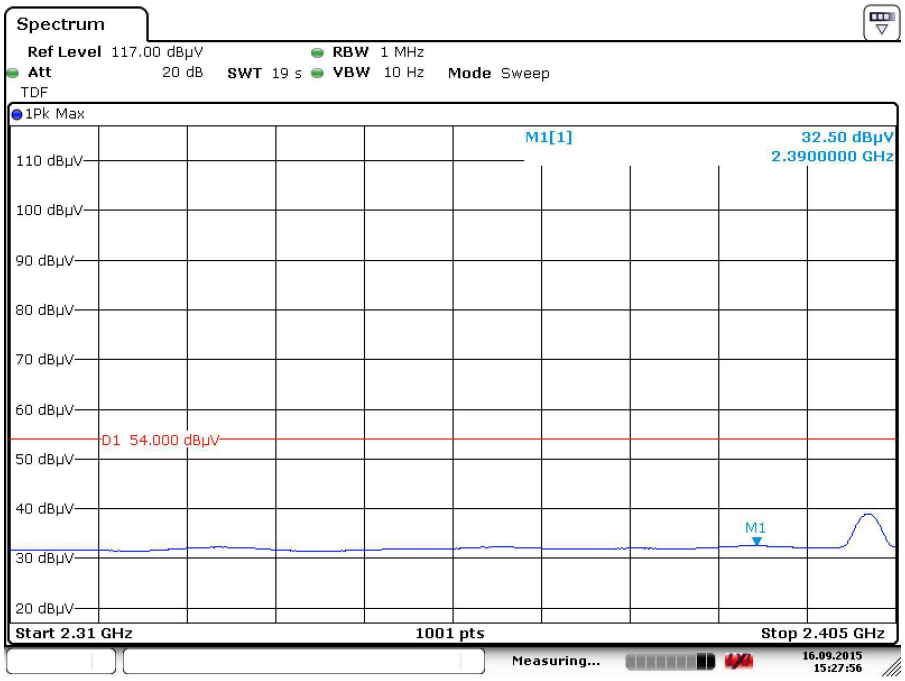
Radiated Bandedge (GFSK)

Low Channel (Hor)



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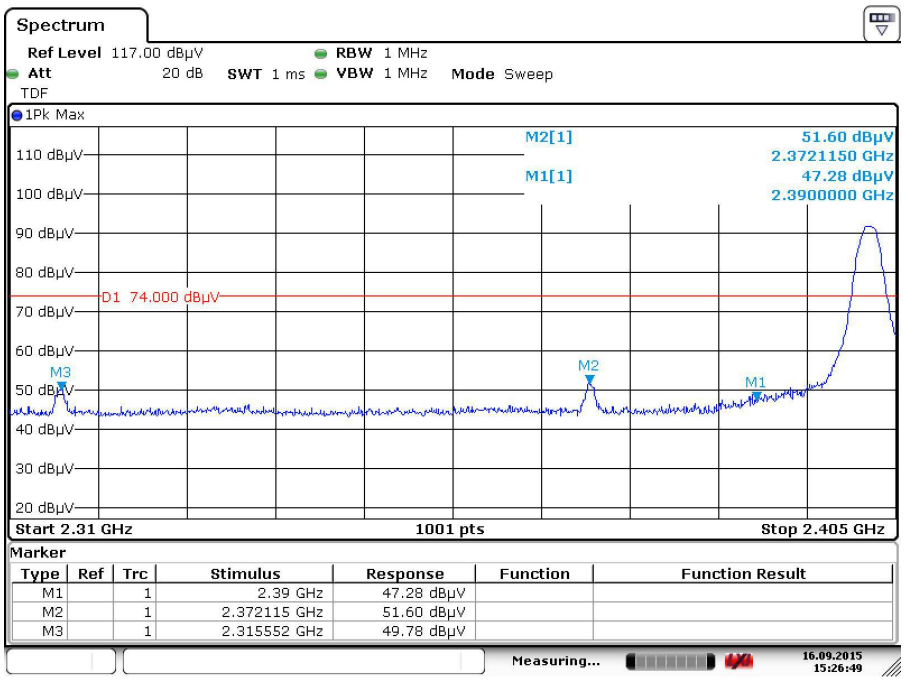
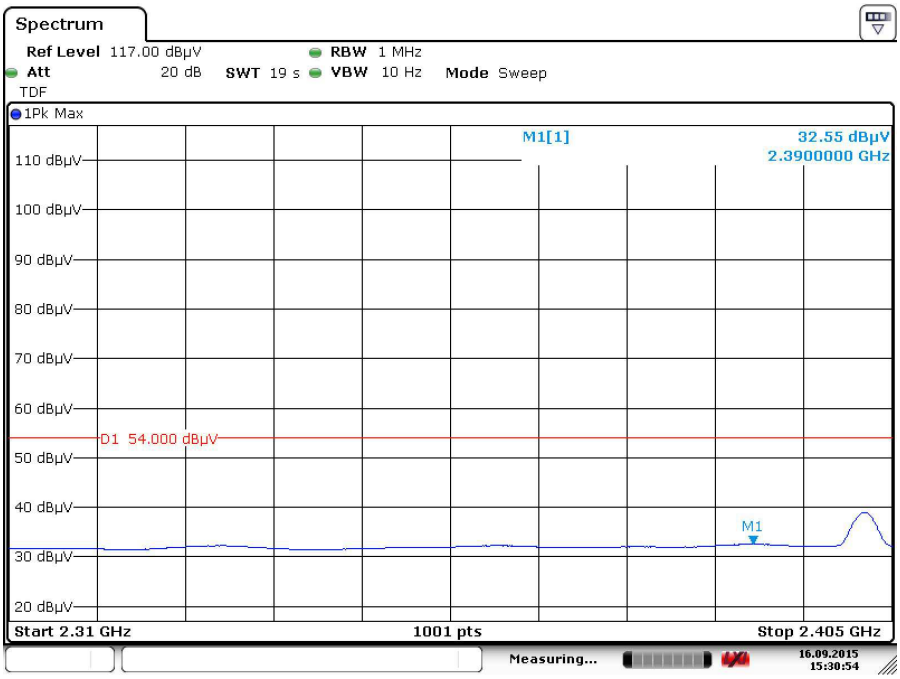


Marker

Type	Ref	Trc	Stimulus	Response	Function	Function Result
M1		1	2.39 GHz	47.28 dBµV		
M2		1	2.372115 GHz	51.60 dBµV		
M3		1	2.315552 GHz	49.78 dBµV		

Date: 16.SEP.2015 15:26:49

Low Channel (Ver)



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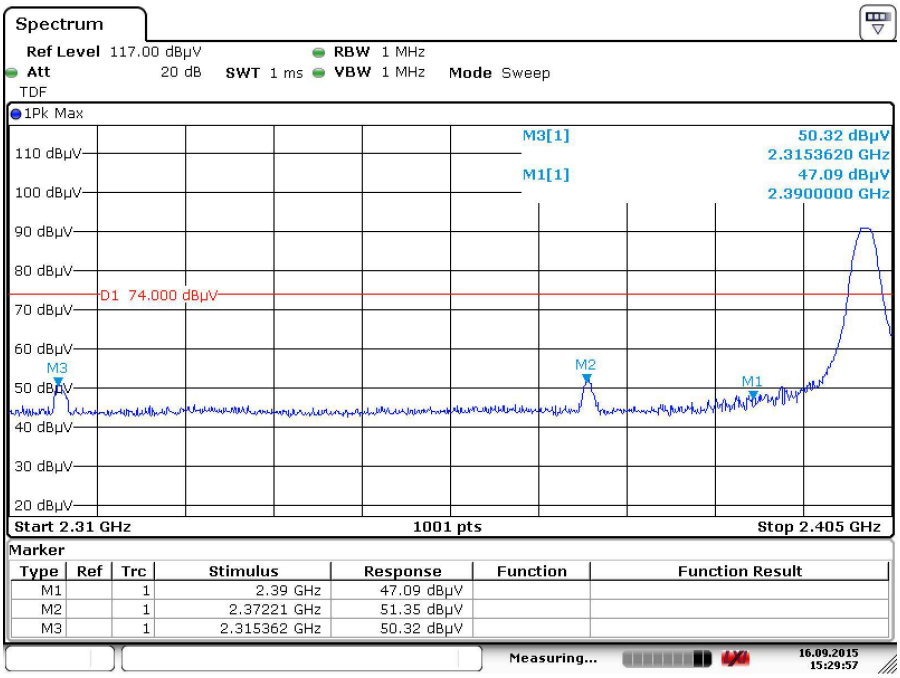


Marker

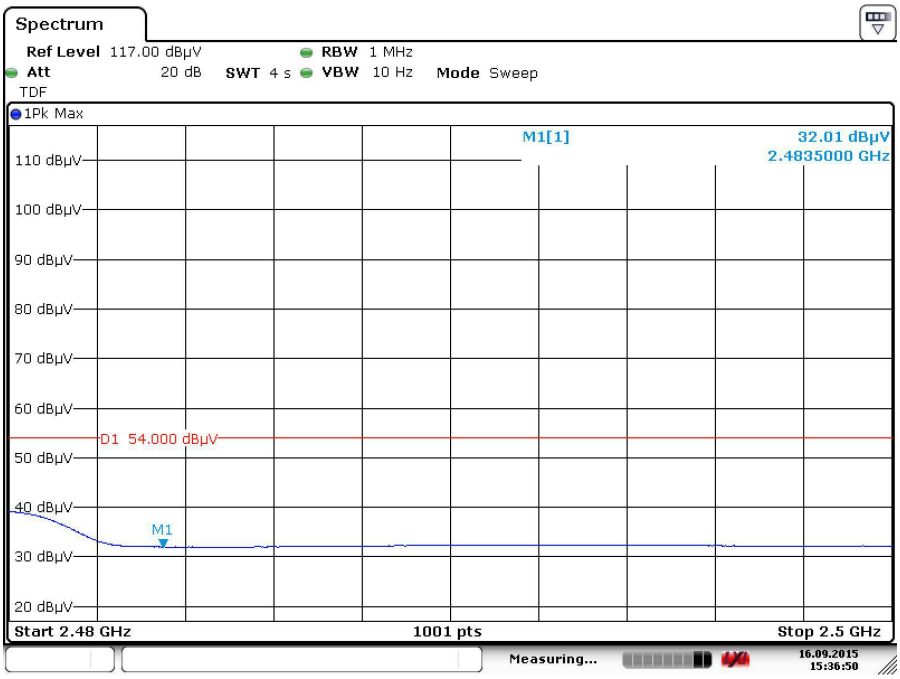
Type	Ref	Trc	Stimulus	Response	Function	Function Result
M1		1	2.39 GHz	47.09 dBµV		
M2		1	2.37221 GHz	51.35 dBµV		
M3		1	2.315362 GHz	50.32 dBµV		

Date: 16.SEP.2015 15:29:57

Spurious Emissions, Band Edge, 2.35-2.5G

Radiated Bandedge (GFSK)

High Channel (Hor)



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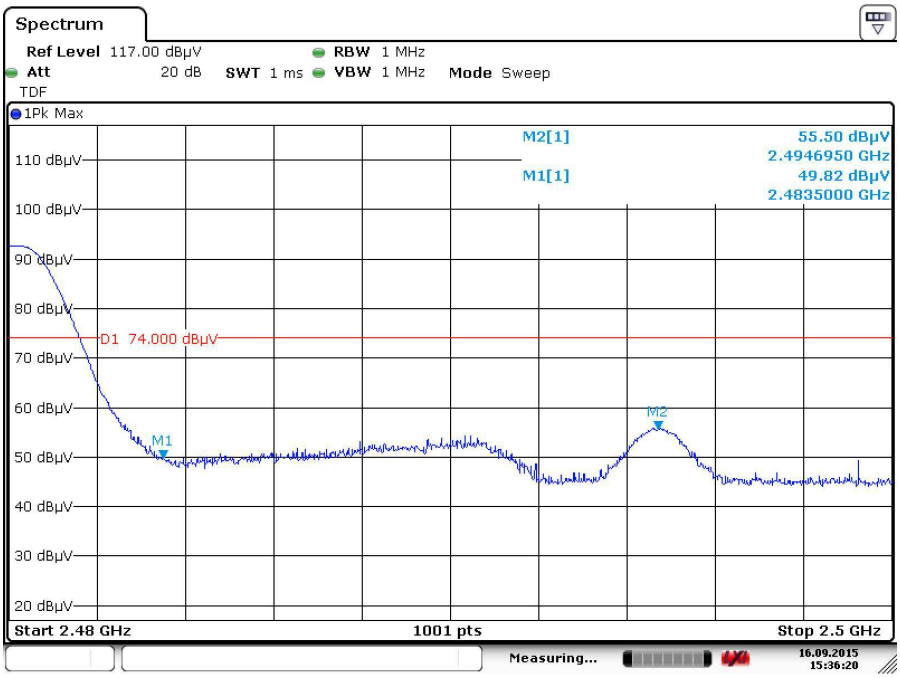

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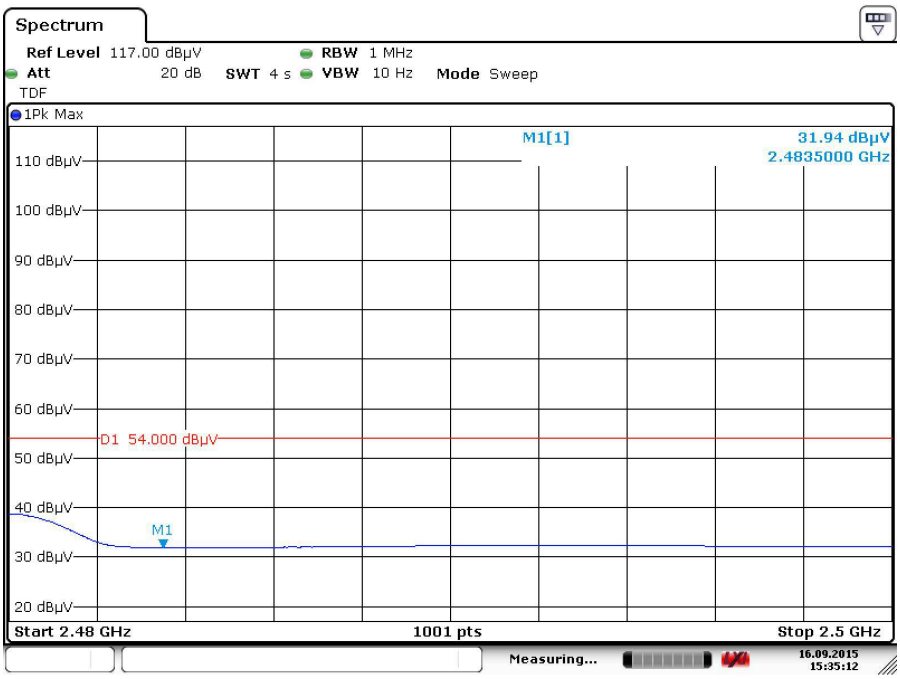
High Channel (Ver)



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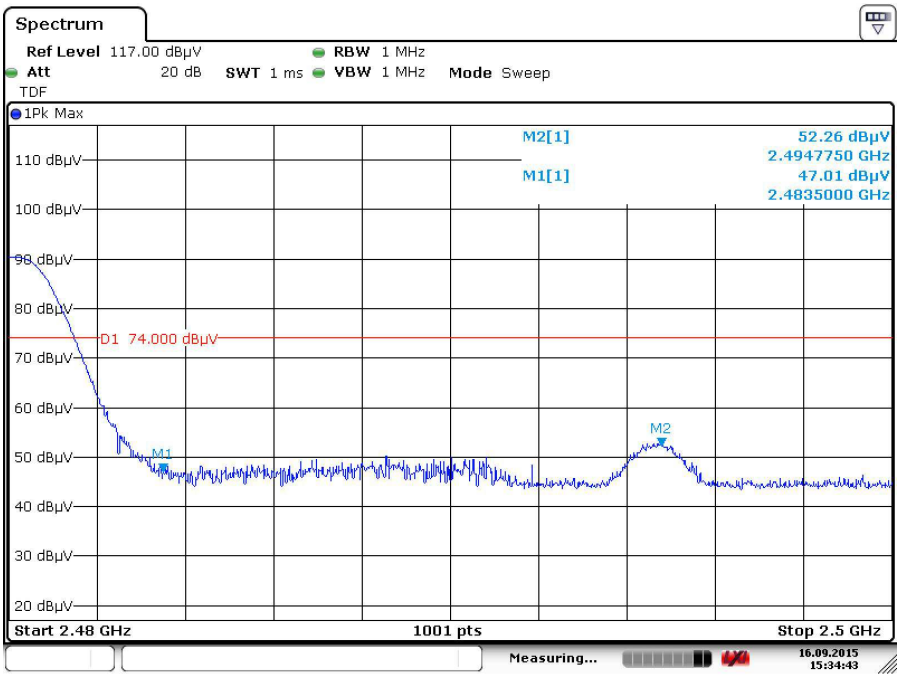

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Spurious Emissions, Band Edge, 2.35-2.5G

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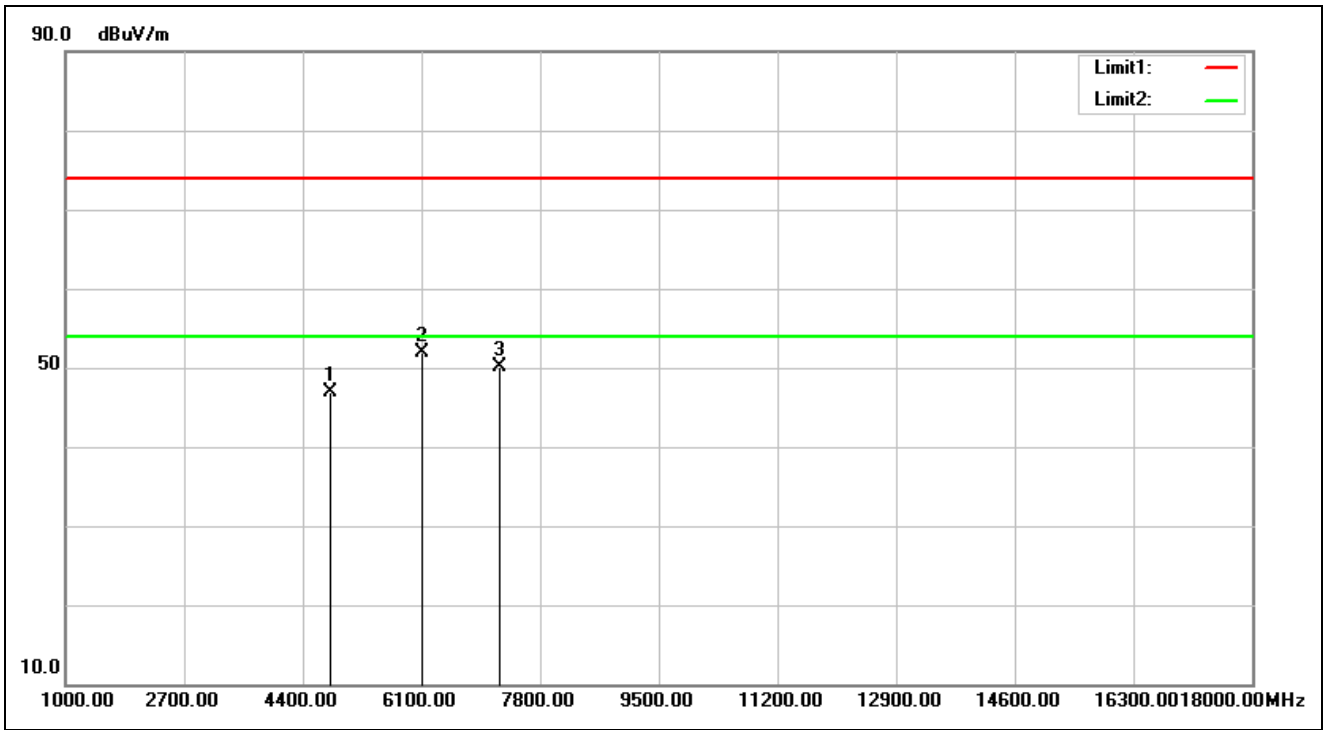

Service No.:	**114040420-FCC**	**Test Distance:**	**3m**
Test Standard:	**FCC Above 1G PEAK**	**Ant. Polarization:**	**Horizontal**
Test item:	**Radiation Emission**	**Test Time:**	**2015/9/16 14:51:14**
Applicant:	**Sunrise**	**Test Rating:**	
Product:	**Exercise Meter**	**Temp.(℃)/Hum.(%):**	**22.1(℃)/53%**
Model No.:	**L-80900 (RT), L-81100 (UT)**	**Test Engineer:**	**Sam Su**
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	-2.35	49.27	46.92	74.00	-27.08	peak			
2	6117.000	4.53	47.38	51.91	74.00	-22.09	peak	100	1	
3	7206.000	5.78	44.33	50.11	74.00	-23.89	peak			

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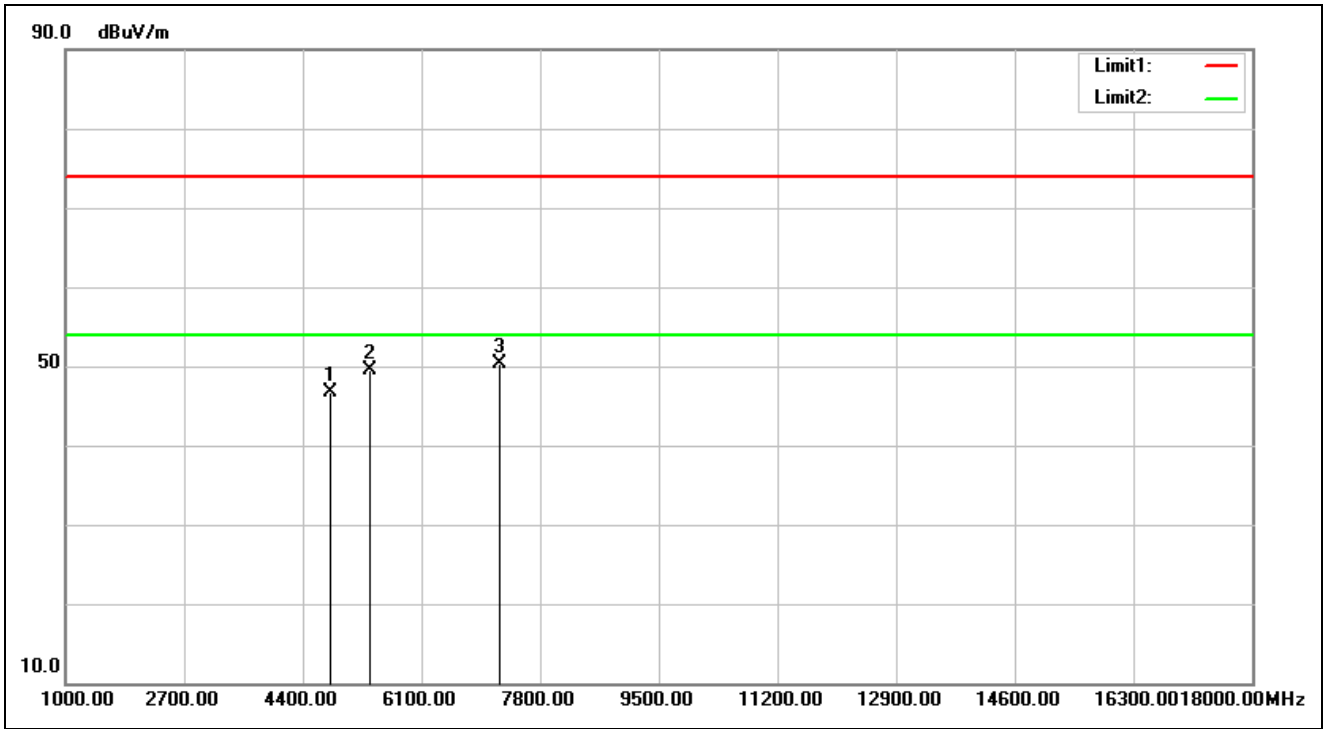

Service No.:	**114040420-FCC**	**Test Distance:**	**3m**
Test Standard:	**FCC Above 1G PEAK**	**Ant. Polarization:**	**Vertical**
Test item:	**Radiation Emission**	**Test Time:**	**2015/9/16 14:52:16**
Applicant:	**Sunrise**	**Test Rating:**	
Product:	**Exercise Meter**	**Temp.(℃)/Hum.(%):**	**22.1(℃)/53%**
Model No.:	**L-80900 (RT), L-81100 (UT)**	**Test Engineer:**	**Sam Su**
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	-2.35	49.00	46.65	74.00	-27.35	peak			
2	5352.000	0.03	49.42	49.45	74.00	-24.55	peak	100	199	
3	7206.000	5.78	44.54	50.32	74.00	-23.68	peak			

Spurious Emissions, TX Mode, 1-18G

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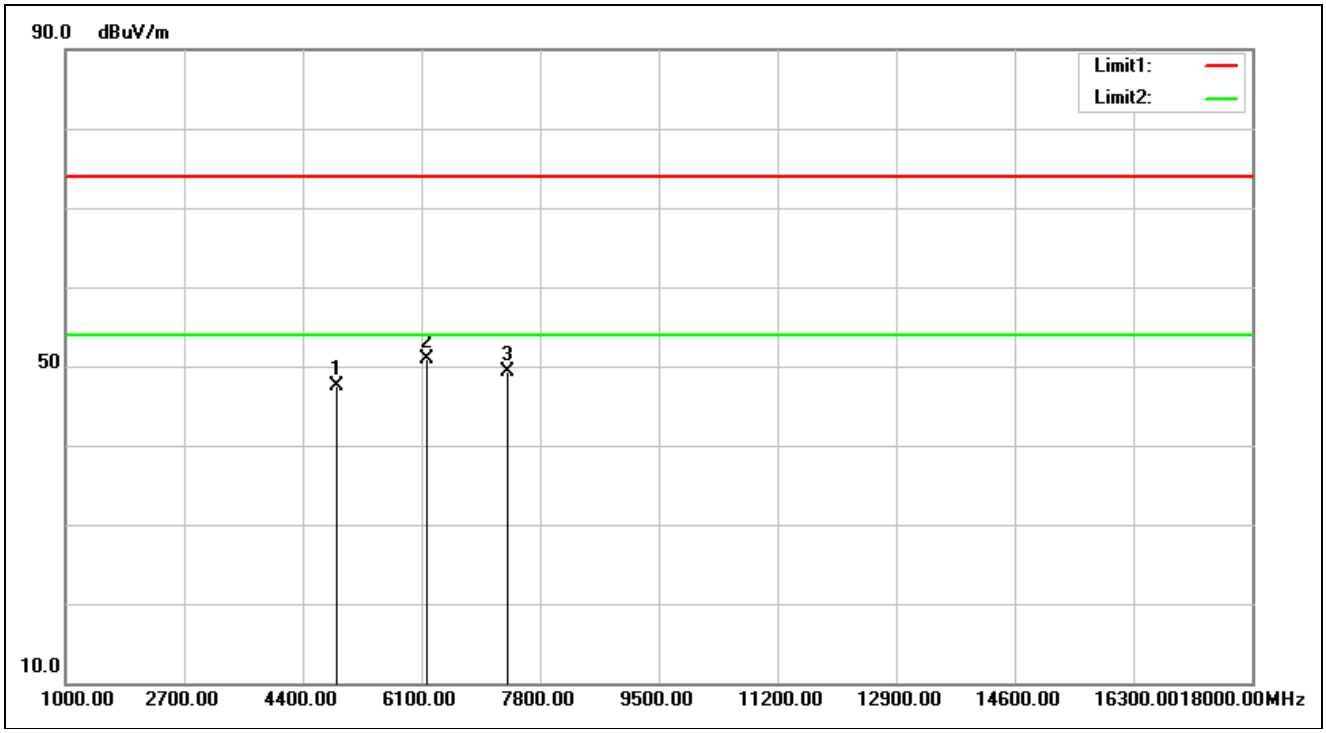

Service No.:	**114040420-FCC**	**Test Distance:**	**3m**
Test Standard:	**FCC Above 1G PEAK**	**Ant. Polarization:**	**Horizontal**
Test item:	**Radiation Emission**	**Test Time:**	**2015/9/16 14:54:40**
Applicant:	**Sunrise**	**Test Rating:**	
Product:	**Exercise Meter**	**Temp.(℃)/Hum.(%):**	**22.1(℃)/53%**
Model No.:	**L-80900 (RT), L-81100 (UT)**	**Test Engineer:**	**Sam Su**
Test Mode:	**TX-2442**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	4884.000	-2.15	49.72	47.57	74.00	-26.43	peak		0	
2	6168.000	4.73	46.09	50.82	74.00	-23.18	peak	100	31	
3	7326.000	6.14	43.21	49.35	74.00	-24.65	peak		0	

Spurious Emissions, TX Mode, 1-18G

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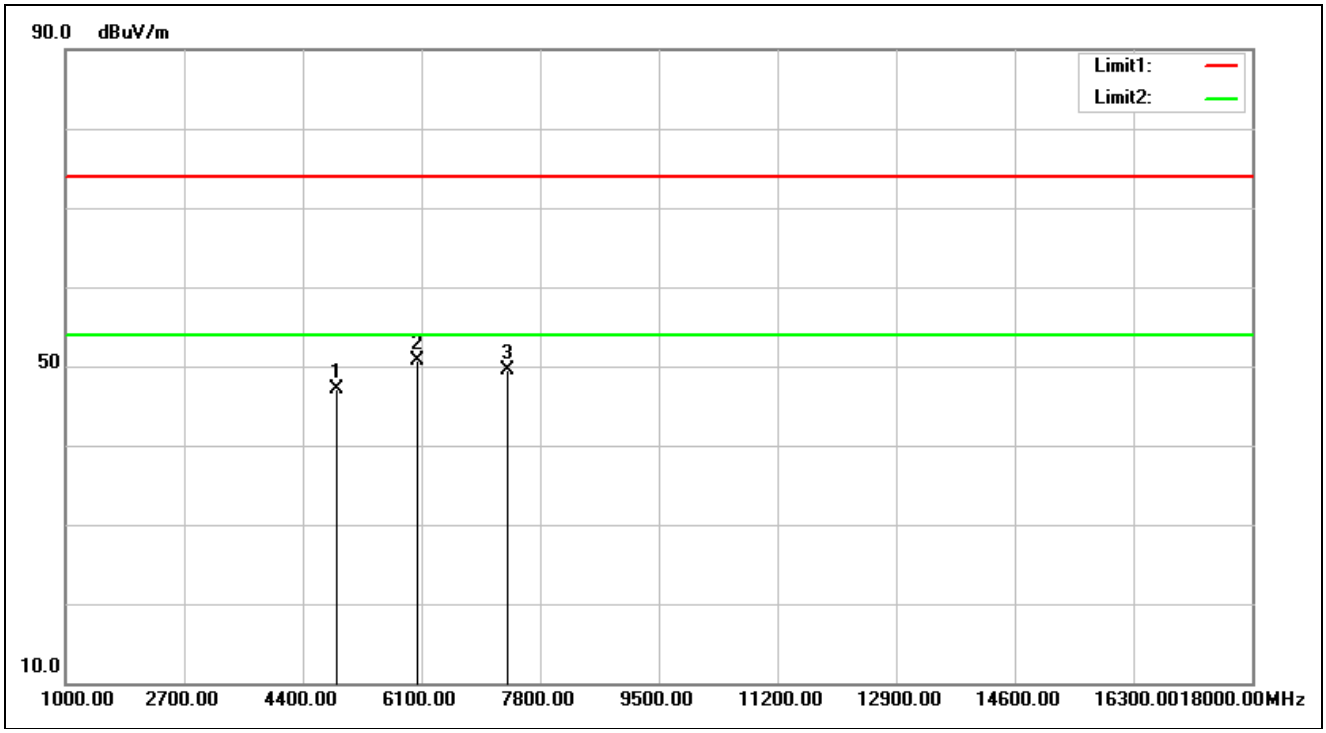

Service No.:	**114040420-FCC**	**Test Distance:**	**3m**
Test Standard:	**FCC Above 1G PEAK**	**Ant. Polarization:**	**Vertical**
Test item:	**Radiation Emission**	**Test Time:**	**2015/9/16 14:55:42**
Applicant:	**Sunrise**	**Test Rating:**	
Product:	**Exercise Meter**	**Temp.(℃)/Hum.(%):**	**22.1(℃)/53%**
Model No.:	**L-80900 (RT), L-81100 (UT)**	**Test Engineer:**	**Sam Su**
Test Mode:	**TX-2442**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	4884.000	-2.15	49.20	47.05	74.00	-26.95	peak			
2	6049.000	4.27	46.50	50.77	74.00	-23.23	peak	100	293	
3	7326.000	6.14	43.37	49.51	74.00	-24.49	peak			

Spurious Emissions, TX Mode, 1-18G

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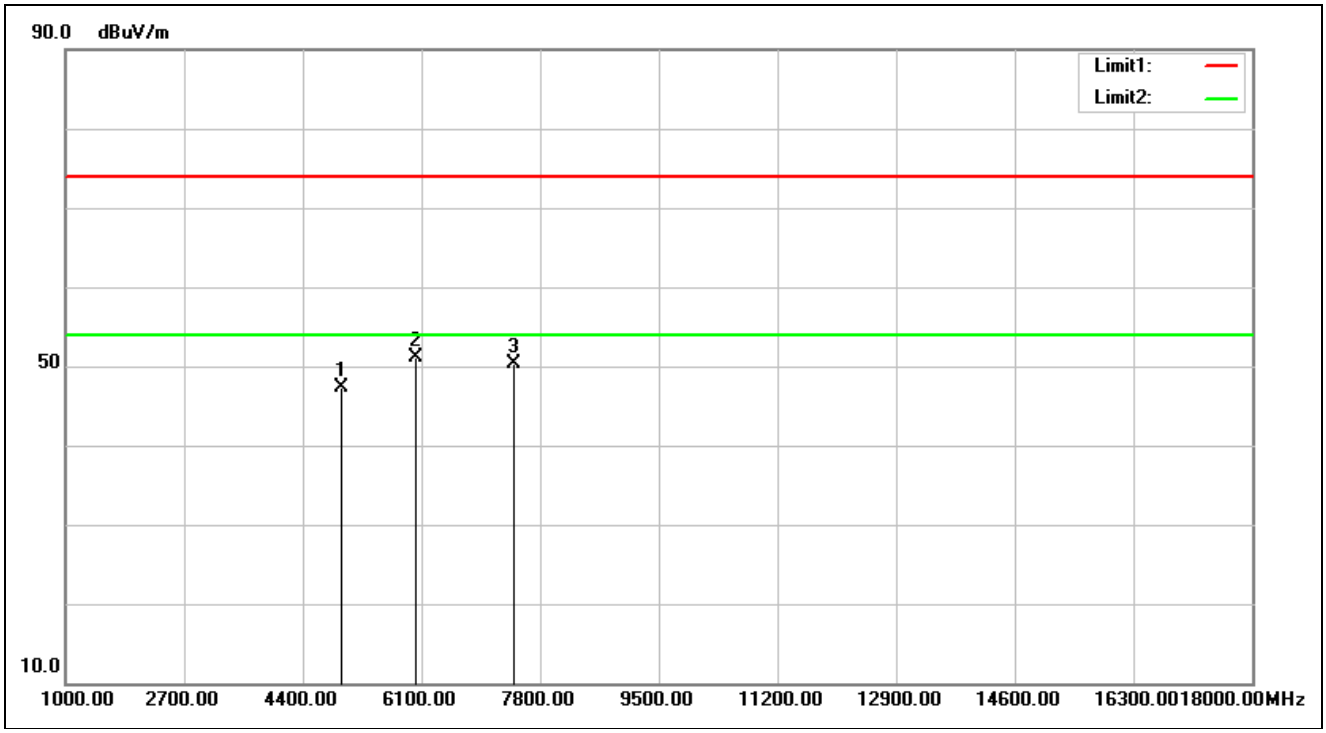

Service No.:	**114040420-FCC**	**Test Distance:**	**3m**
Test Standard:	**FCC Above 1G PEAK**	**Ant. Polarization:**	**Horizontal**
Test item:	**Radiation Emission**	**Test Time:**	**2015/9/16 14:58:48**
Applicant:	**Sunrise**	**Test Rating:**	
Product:	**Exercise Meter**	**Temp.(℃)/Hum.(%):**	**22.1(℃)/53%**
Model No.:	**L-80900 (RT), L-81100 (UT)**	**Test Engineer:**	**Sam Su**
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	-1.97	49.34	47.37	74.00	-26.63	peak			
2	6015.000	4.14	46.89	51.03	74.00	-22.97	peak	100	67	
3	7440.000	6.47	43.78	50.25	74.00	-23.75	peak			

Spurious Emissions, TX Mode, 1-18G

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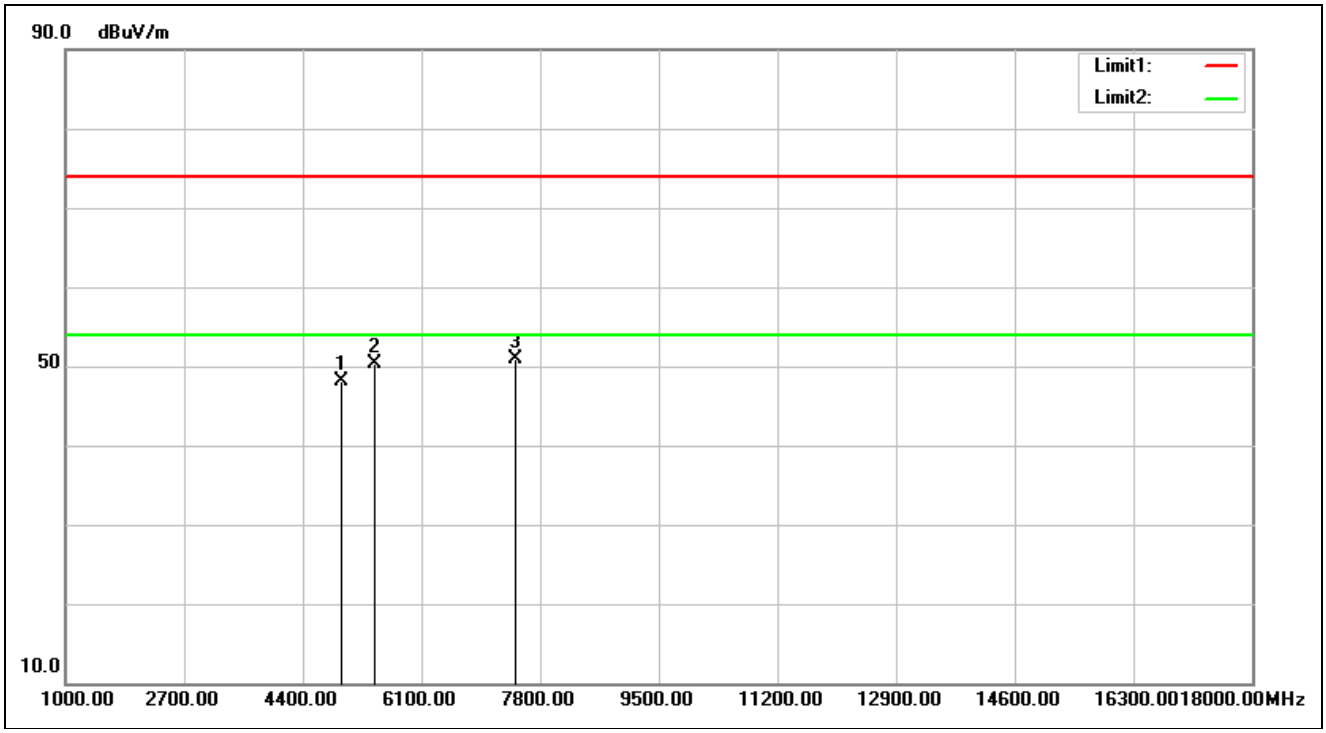

Service No.:	**114040420-FCC**	**Test Distance:**	**3m**
Test Standard:	**FCC Above 1G PEAK**	**Ant. Polarization:**	**Vertical**
Test item:	**Radiation Emission**	**Test Time:**	**2015/9/16 14:59:51**
Applicant:	**Sunrise**	**Test Rating:**	
Product:	**Exercise Meter**	**Temp.(℃)/Hum.(%):**	**22.1(℃)/53%**
Model No.:	**L-80900 (RT), L-81100 (UT)**	**Test Engineer:**	**Sam Su**
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	-1.97	50.13	48.16	74.00	-25.84	peak			
2	5437.000	0.48	49.86	50.34	74.00	-23.66	peak	100	304	
3	7440.000	6.47	44.48	50.95	74.00	-23.05	peak			

Spurious Emissions, TX Mode, 1-18G

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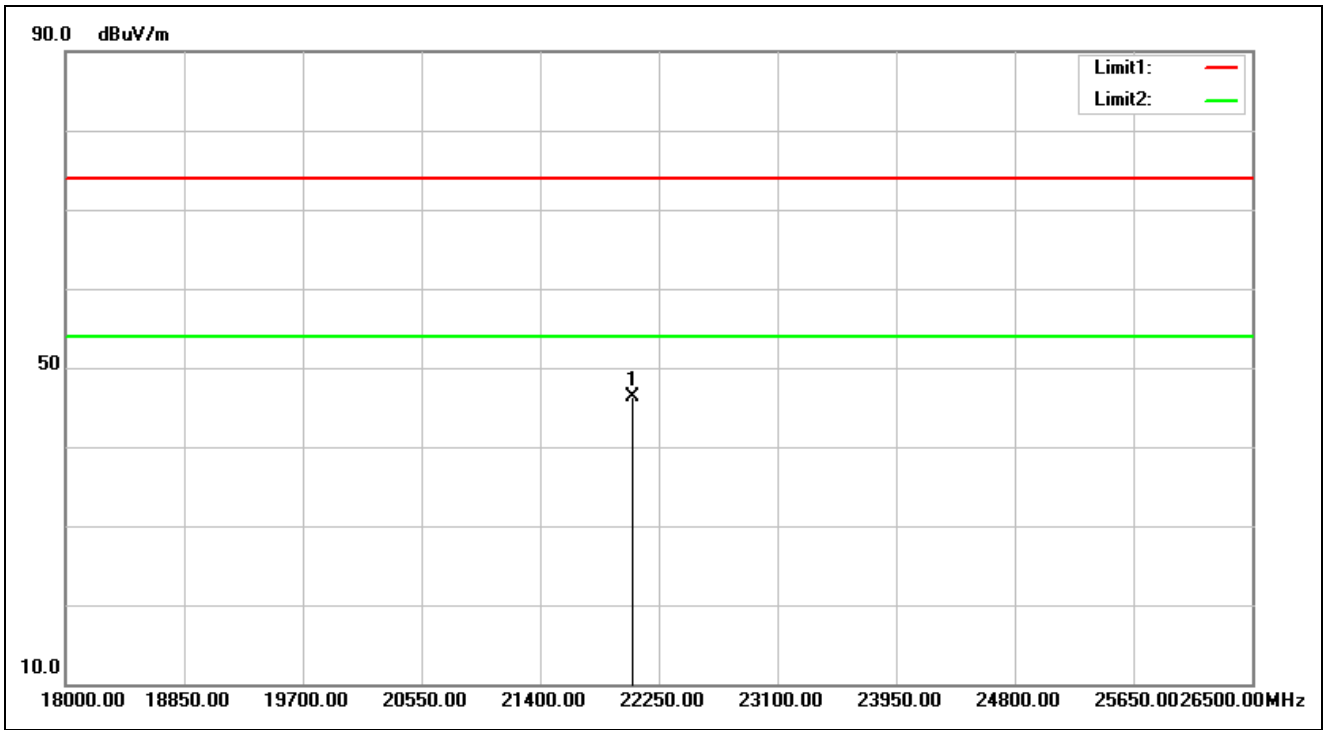

Service No.:	**114040420-FCC**	**Test Distance:**	**3m**
Test Standard:	**FCC Above 1G PEAK**	**Ant. Polarization:**	**Horizontal**
Test item:	**Radiation Emission**	**Test Time:**	**2015/9/17 20:01:36**
Applicant:	**Sunrise**	**Test Rating:**	
Product:	**Exercise Meter**	**Temp.(℃)/Hum.(%):**	**22.1(℃)/53%**
Model No.:	**L-80900 (RT), L-81100 (UT)**	**Test Engineer:**	**George Yang**
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	22063.000	28.54	17.71	46.25	74.00	-27.75	peak		0	

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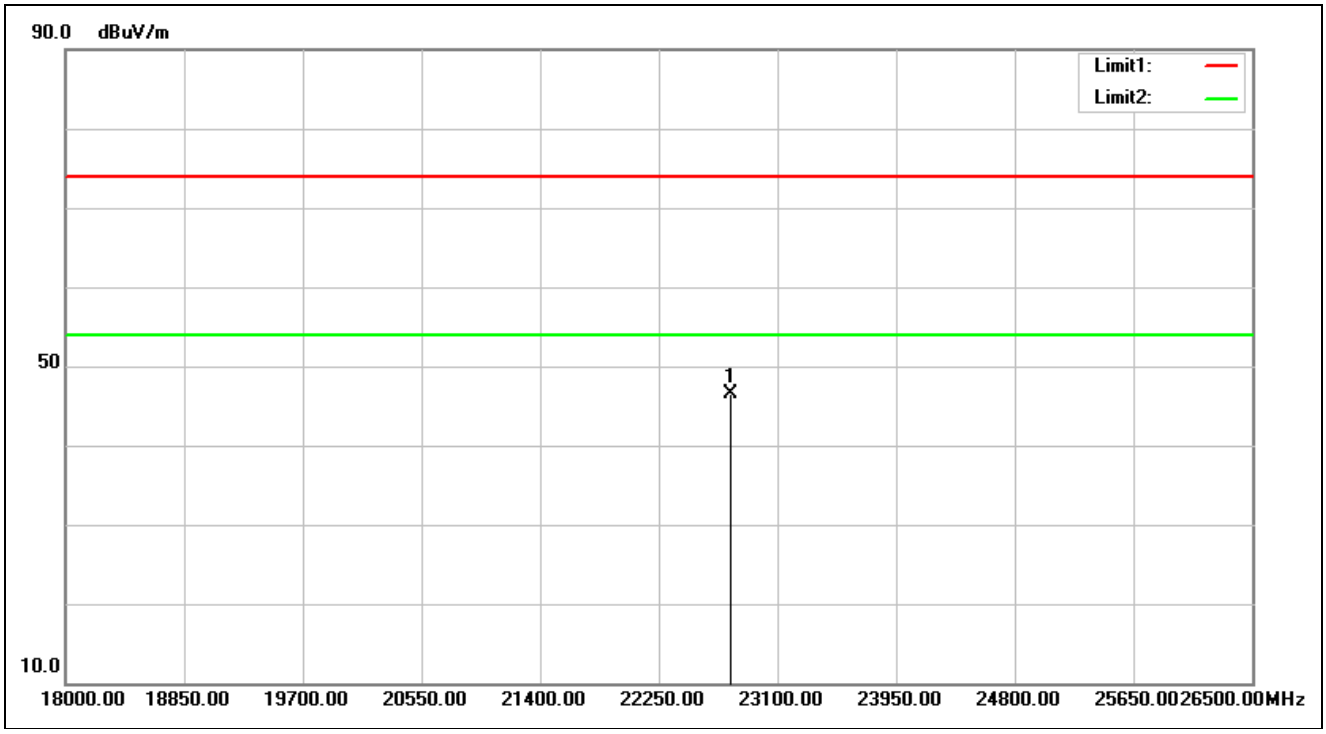

Service No.:	**114040420-FCC**	**Test Distance:**	**3m**
Test Standard:	**FCC Above 1G PEAK**	**Ant. Polarization:**	**Vertical**
Test item:	**Radiation Emission**	**Test Time:**	**2015/9/17 20:01:49**
Applicant:	**Sunrise**	**Test Rating:**	
Product:	**Exercise Meter**	**Temp.(℃)/Hum.(%):**	**22.1(℃)/53%**
Model No.:	**L-80900 (RT), L-81100 (UT)**	**Test Engineer:**	**George Yang**
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	22768.500	29.60	16.90	46.50	74.00	-27.50	peak			

Spurious Emissions, TX Mode, 18-26G

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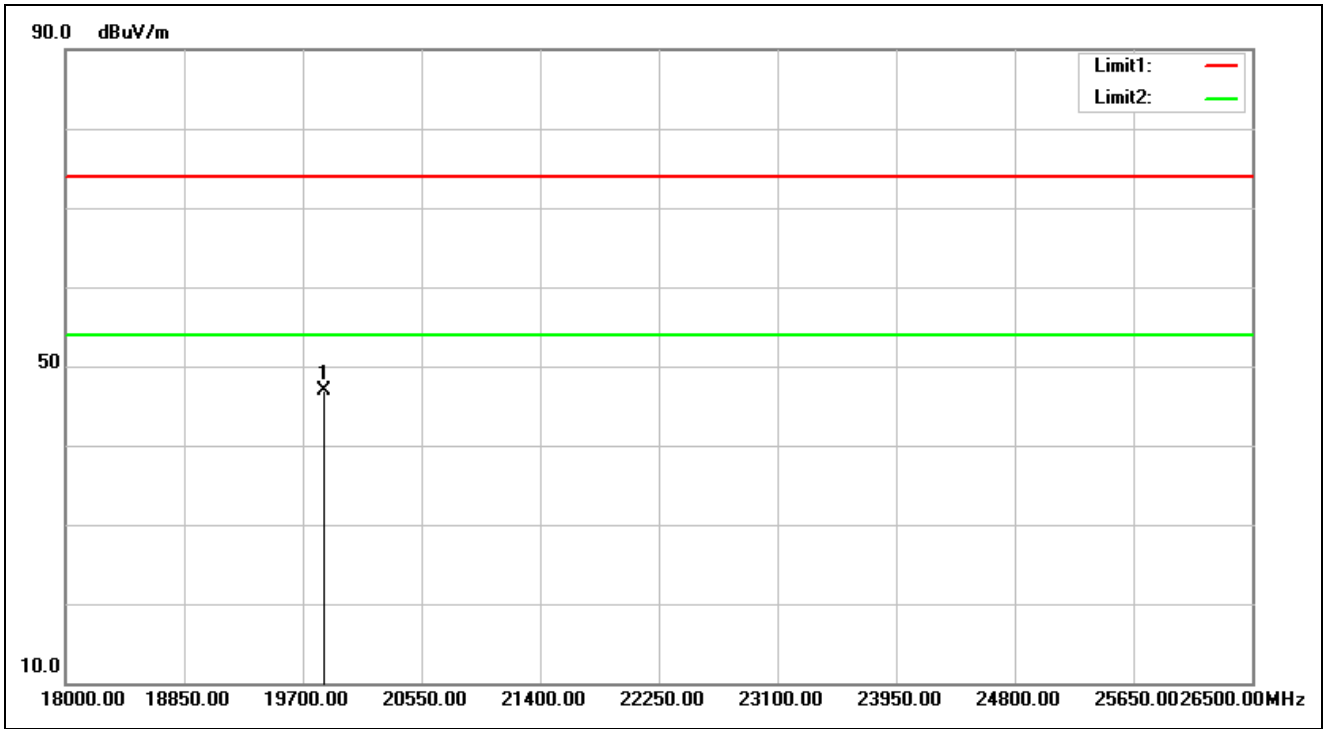

Service No.:	**114040420-FCC**	**Test Distance:**	**3m**
Test Standard:	**FCC Above 1G PEAK**	**Ant. Polarization:**	**Horizontal**
Test item:	**Radiation Emission**	**Test Time:**	**2015/9/17 20:02:54**
Applicant:	**Sunrise**	**Test Rating:**	
Product:	**Exercise Meter**	**Temp.(℃)/Hum.(%):**	**22.1(℃)/53%**
Model No.:	**L-80900 (RT), L-81100 (UT)**	**Test Engineer:**	**George Yang**
Test Mode:	**TX-2442**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	19853.000	28.93	17.93	46.86	74.00	-27.14	peak			

Spurious Emissions, TX Mode, 18-26G

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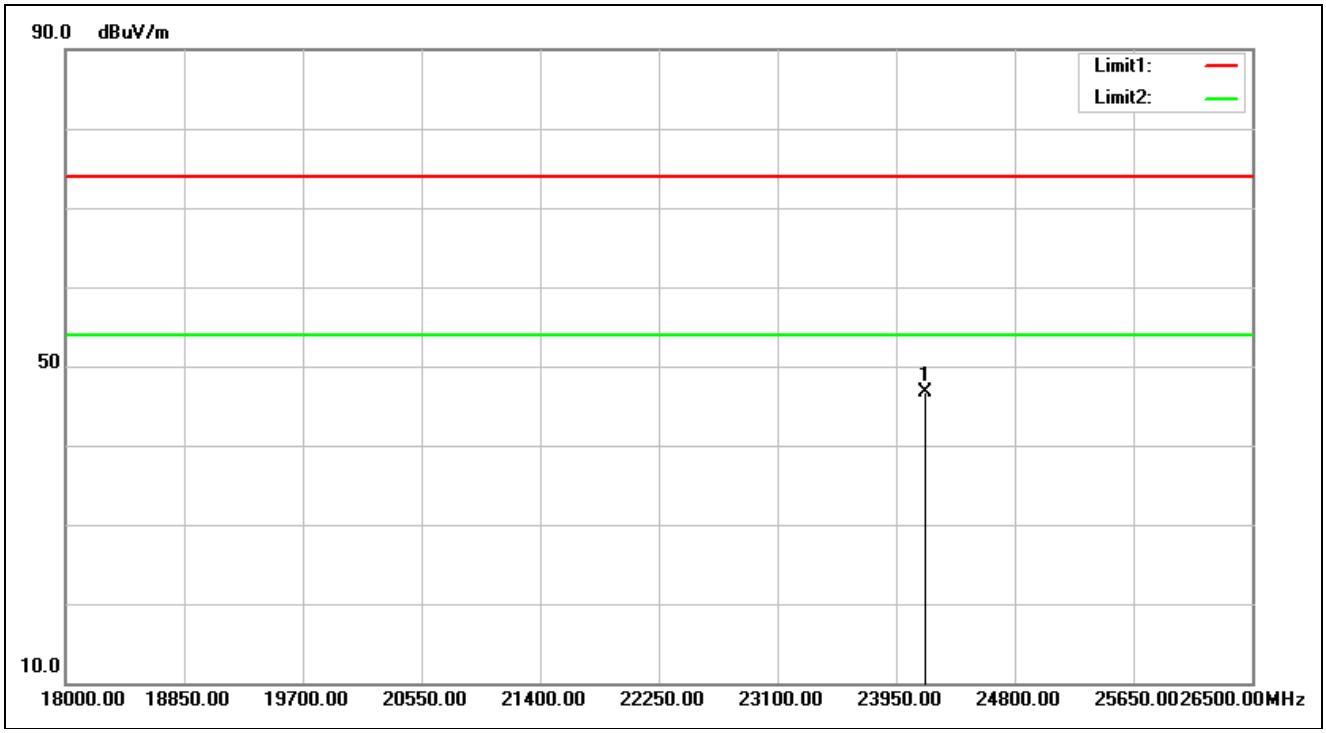

Service No.:	**114040420-FCC**	**Test Distance:**	**3m**
Test Standard:	**FCC Above 1G PEAK**	**Ant. Polarization:**	**Vertical**
Test item:	**Radiation Emission**	**Test Time:**	**2015/9/17 20:03:08**
Applicant:	**Sunrise**	**Test Rating:**	
Product:	**Exercise Meter**	**Temp.(℃)/Hum.(%):**	**22.1(℃)/53%**
Model No.:	**L-80900 (RT), L-81100 (UT)**	**Test Engineer:**	**George Yang**
Test Mode:	**TX-2442**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	24154.000	29.40	17.22	46.62	74.00	-27.38	peak			

Spurious Emissions, TX Mode, 18-26G

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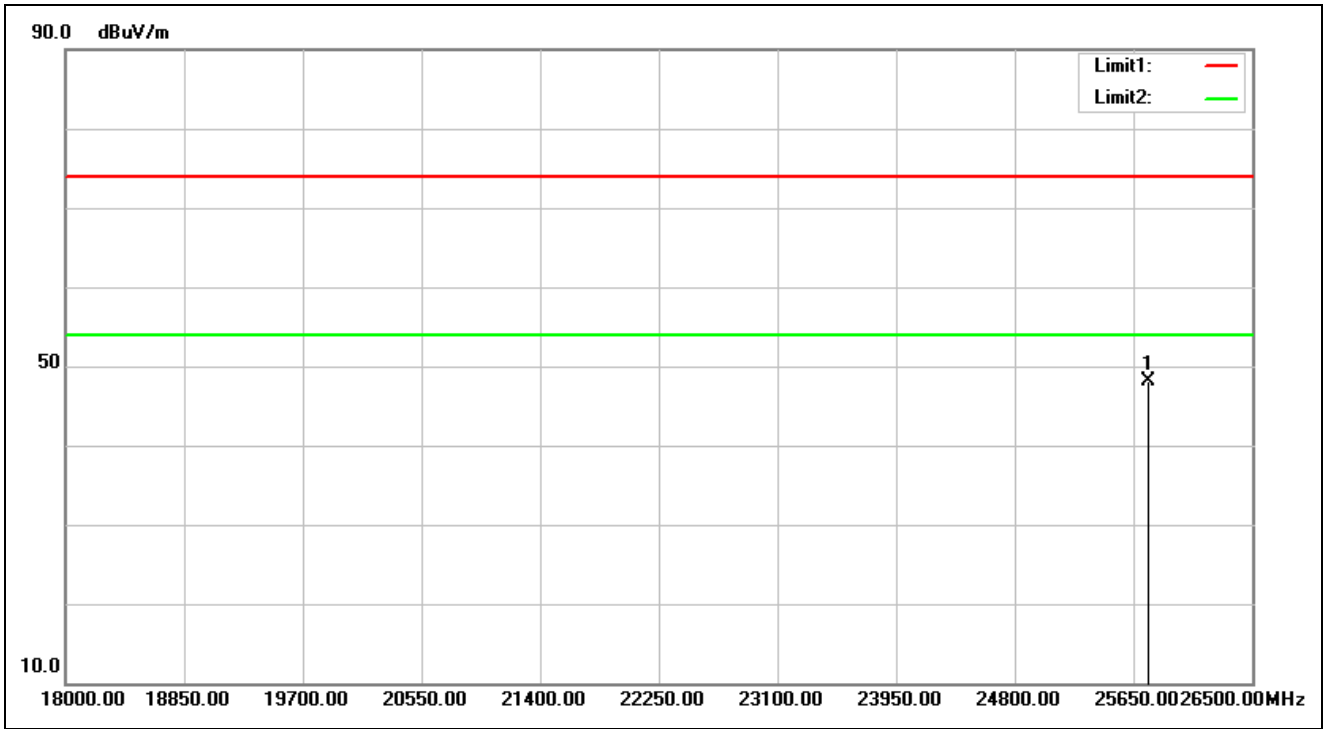

Service No.:	**114040420-FCC**	**Test Distance:**	**3m**
Test Standard:	**FCC Above 1G PEAK**	**Ant. Polarization:**	**Horizontal**
Test item:	**Radiation Emission**	**Test Time:**	**2015/9/17 20:03:23**
Applicant:	**Sunrise**	**Test Rating:**	
Product:	**Exercise Meter**	**Temp.(℃)/Hum.(%):**	**22.1(℃)/53%**
Model No.:	**L-80900 (RT), L-81100 (UT)**	**Test Engineer:**	**George Yang**
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	25760.500	31.61	16.42	48.03	74.00	-25.97	peak			

Spurious Emissions, TX Mode, 18-26G

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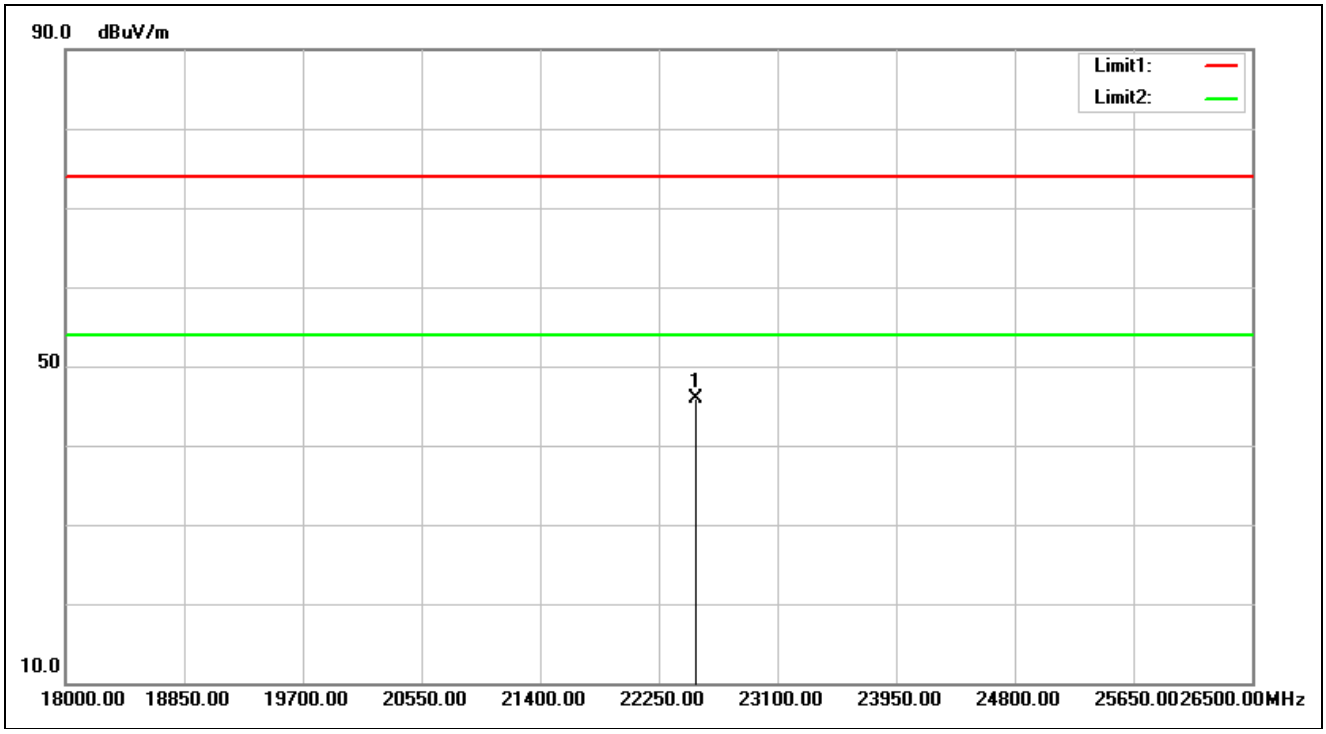

Service No.:	**114040420-FCC**	**Test Distance:**	**3m**
Test Standard:	**FCC Above 1G PEAK**	**Ant. Polarization:**	**Vertical**
Test item:	**Radiation Emission**	**Test Time:**	**2015/9/17 20:03:30**
Applicant:	**Sunrise**	**Test Rating:**	
Product:	**Exercise Meter**	**Temp.(℃)/Hum.(%):**	**22.1(℃)/53%**
Model No.:	**L-80900 (RT), L-81100 (UT)**	**Test Engineer:**	**George Yang**
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	22513.500	29.27	16.62	45.89	74.00	-28.11	peak			

Spurious Emissions, TX Mode, 18-26G

Spurious Emissions, TX Mode, 30M-1G

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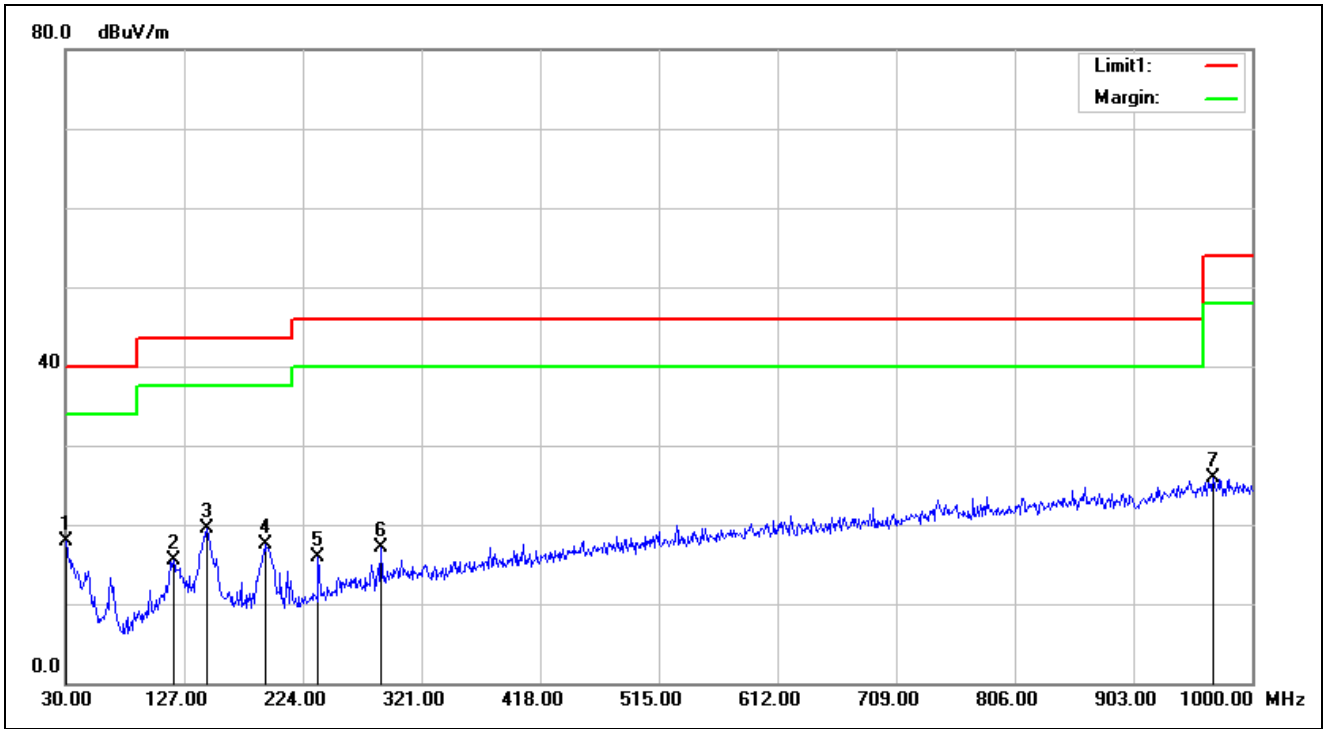

Service No.:	**114040420-FCC**	**Test Distance:**	**3m**
Test Standard:	**FCC Class B 3M Radiation**	**Ant. Polarization:**	**Horizontal**
Test item:	**Radiation Emission**	**Test Time:**	**2015/9/16 16:58:00**
Applicant:	**Sunrise**	**Test Rating:**	
Product:	**Exercise Meter**	**Temp.(℃)/Hum.(%):**	**22.1(℃)/53%**
Model No.:	**L-80900 (RT), L-81100 (UT)**	**Test Engineer:**	**Sam Su**
Test Mode:	**TX-2442**		
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	-7.63	25.50	17.87	40.00	-22.13	QP	100	277	
2	118.2699	-14.79	30.27	15.48	43.50	-28.02	QP	100	232	
3	145.4299	-14.61	34.03	19.42	43.50	-24.08	QP	100	269	
4	193.9299	-16.73	34.26	17.53	43.50	-25.97	QP	100	259	
5	236.6100	-14.52	30.47	15.95	46.00	-30.05	QP	100	86	
6	288.0199	-12.35	29.44	17.09	46.00	-28.91	QP	100	264	
7	967.9900	-1.21	27.11	25.90	54.00	-28.10	QP	100	110	

Spurious Emissions, Mains, 150kHz - 30MHz

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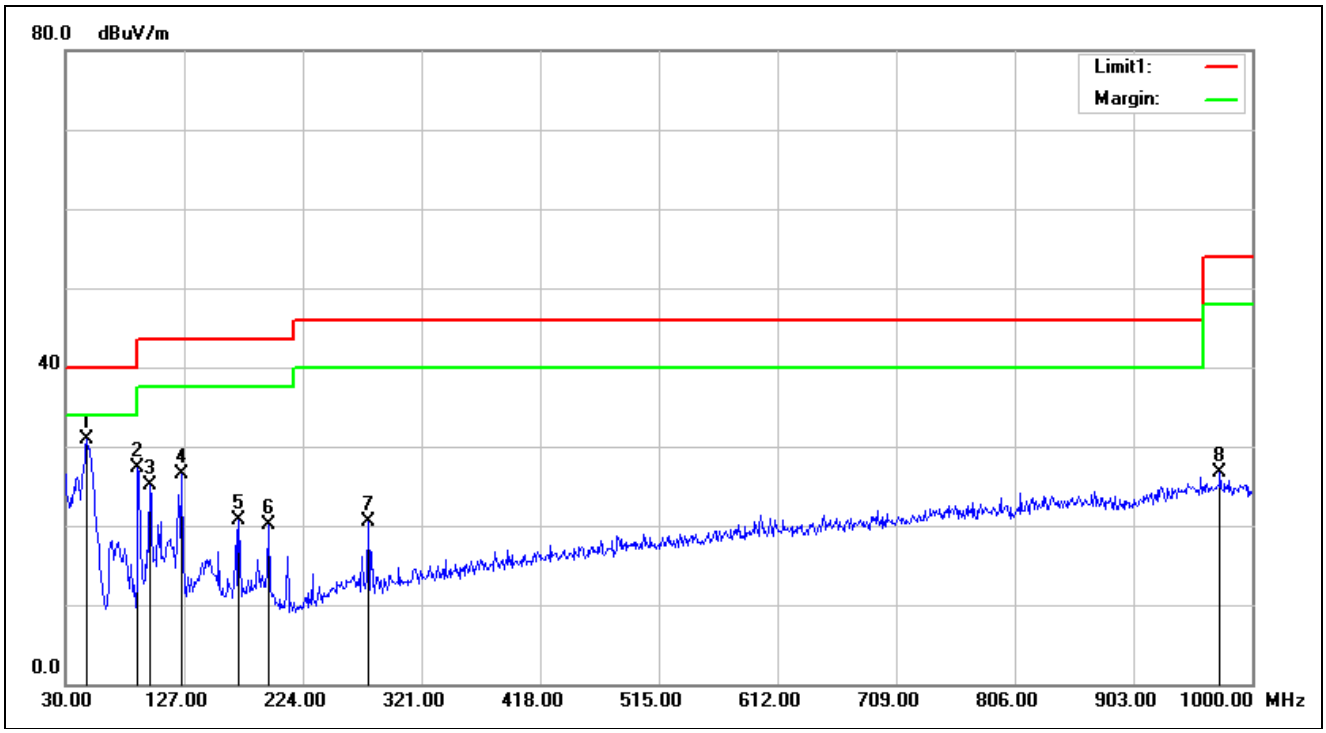

Service No.:	**114040420-FCC**	**Test Distance:**	**3m**
Test Standard:	**FCC Class B 3M Radiation**	**Ant. Polarization:**	**Vertical**
Test item:	**Radiation Emission**	**Test Time:**	**2015/9/16 16:59:03**
Applicant:	**Sunrise**	**Test Rating:**	
Product:	**Exercise Meter**	**Temp.(℃)/Hum.(%):**	**22.1(℃)/53%**
Model No.:	**L-80900 (RT), L-81100 (UT)**	**Test Engineer:**	**Sam Su**
Test Mode:	**TX-2442**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	47.4600	-17.46	48.28	30.82	40.00	-9.18	QP	100	205	
2	89.1700	-18.35	45.67	27.32	43.50	-16.18	QP	100	197	
3	98.8700	-16.95	42.01	25.06	43.50	-18.44	QP	100	40	
4	125.0600	-14.52	40.98	26.46	43.50	-17.04	QP	100	343	
5	171.6200	-16.46	37.16	20.70	43.50	-22.80	QP	100	19	
6	195.8700	-16.62	36.76	20.14	43.50	-23.36	QP	100	197	
7	277.3500	-12.70	33.24	20.54	46.00	-25.46	QP	100	272	
8	973.8100	-1.21	27.93	26.72	54.00	-27.28	QP	100	133	

Spurious Emissions, Mains, 150kHz - 30MHz

Mains Spurious Emissions

Spurious Emissions, Mains, 150kHz - 30MHz

Spurious Emissions, Mains, 150kHz - 30MHz