Test Report No.10052091 001

Appendix D: Radiated and Mains Spurious Emission Data

(File: 10052091AppendixD)

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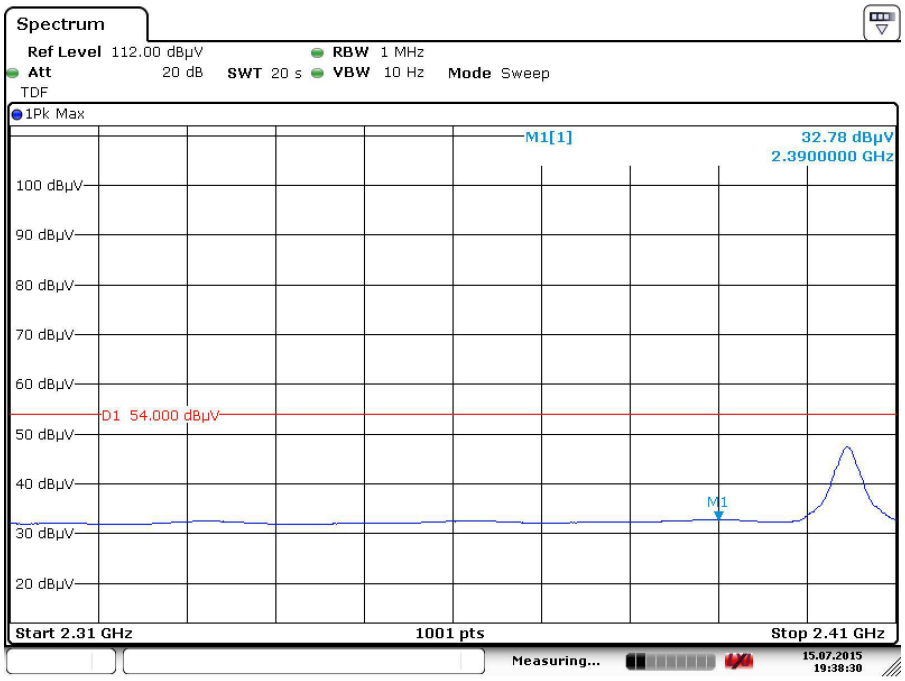
adiated Bandedge

Low Channel (Hor)



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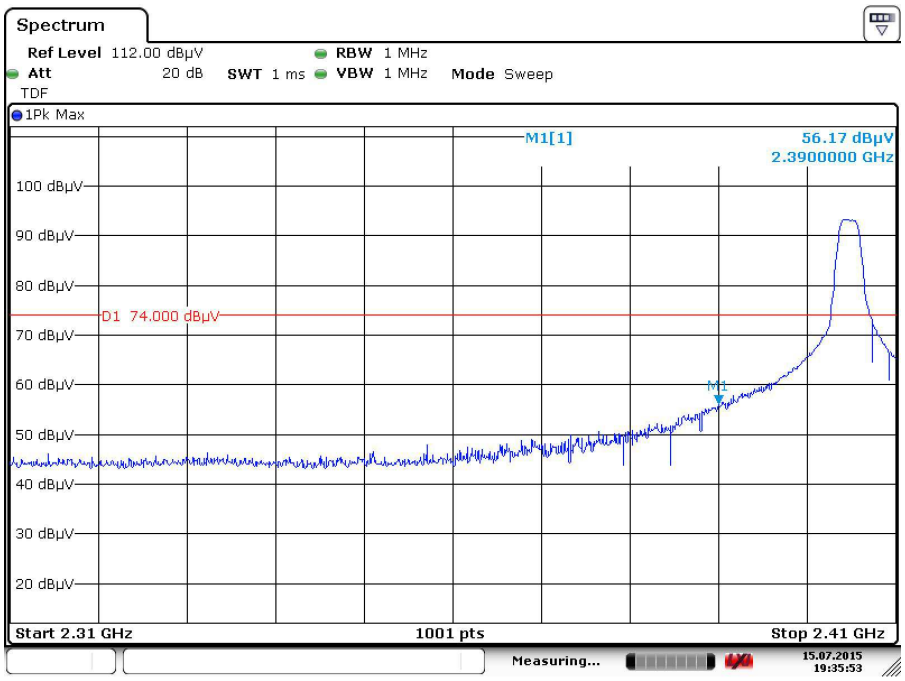

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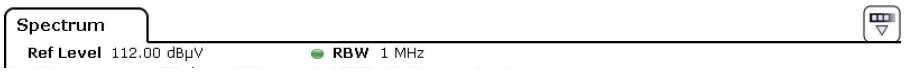
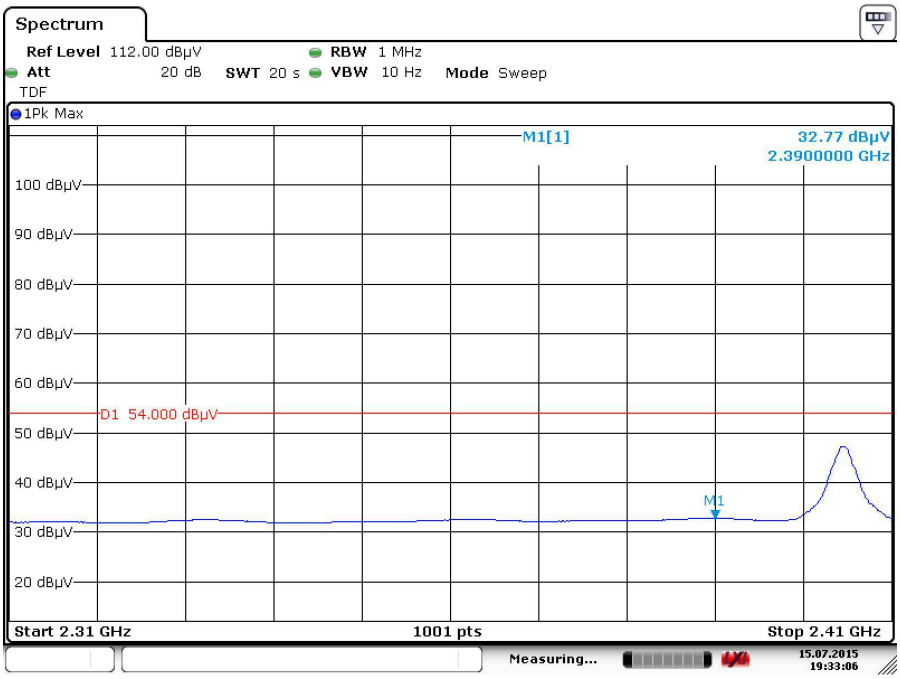


Low Channel (Ver)



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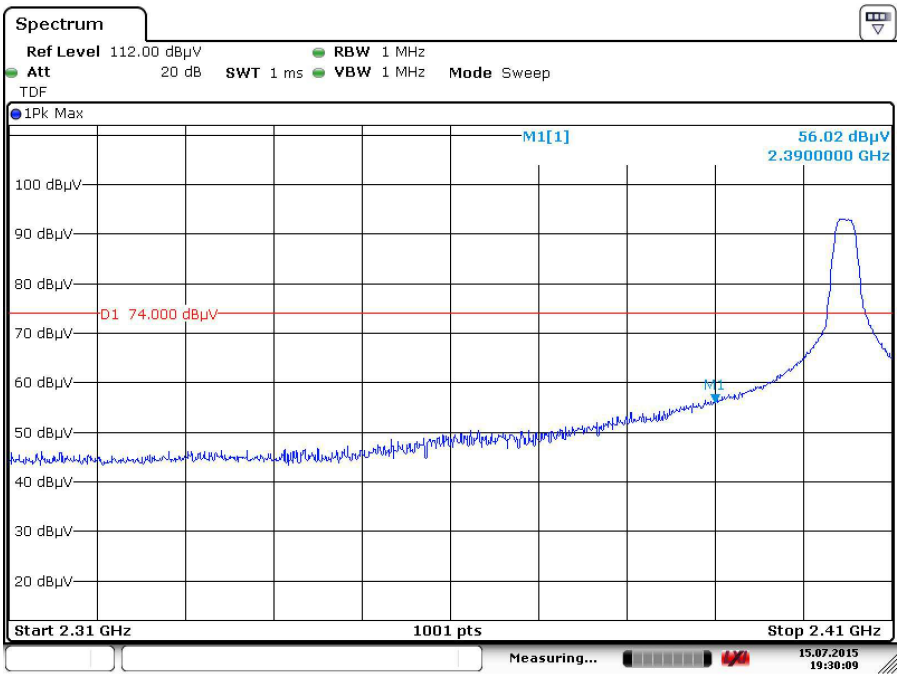

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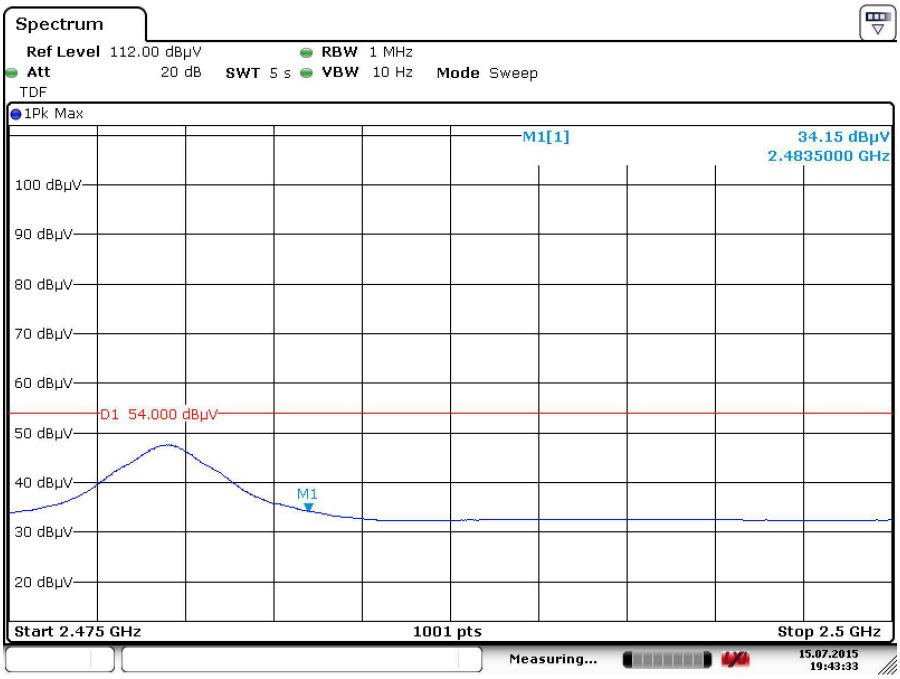
Spurious Emissions, Band Edge, 2.35-2.5G

Radiated Bandedge

High Channel (Hor)



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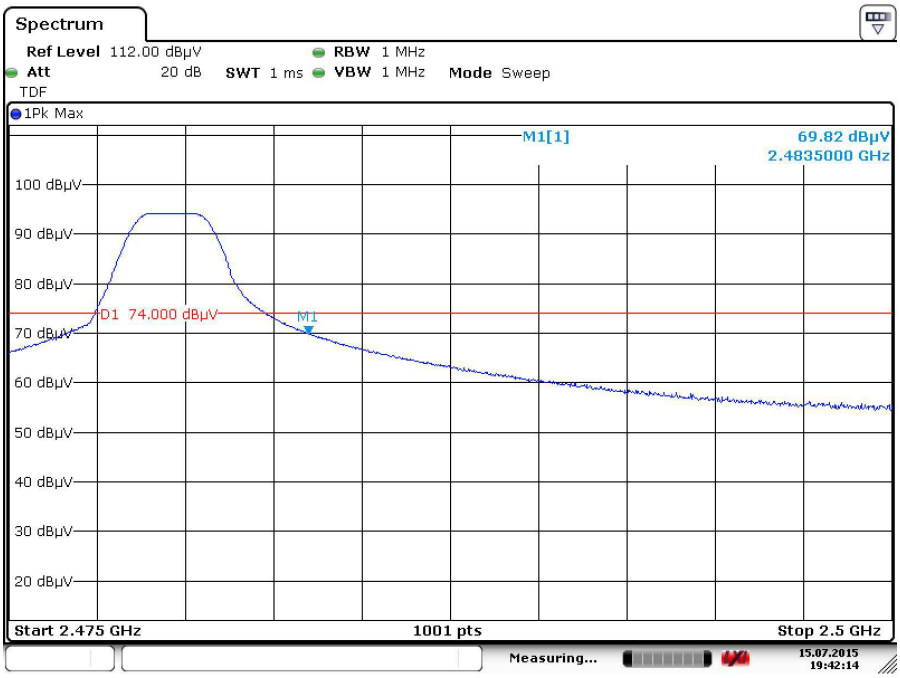

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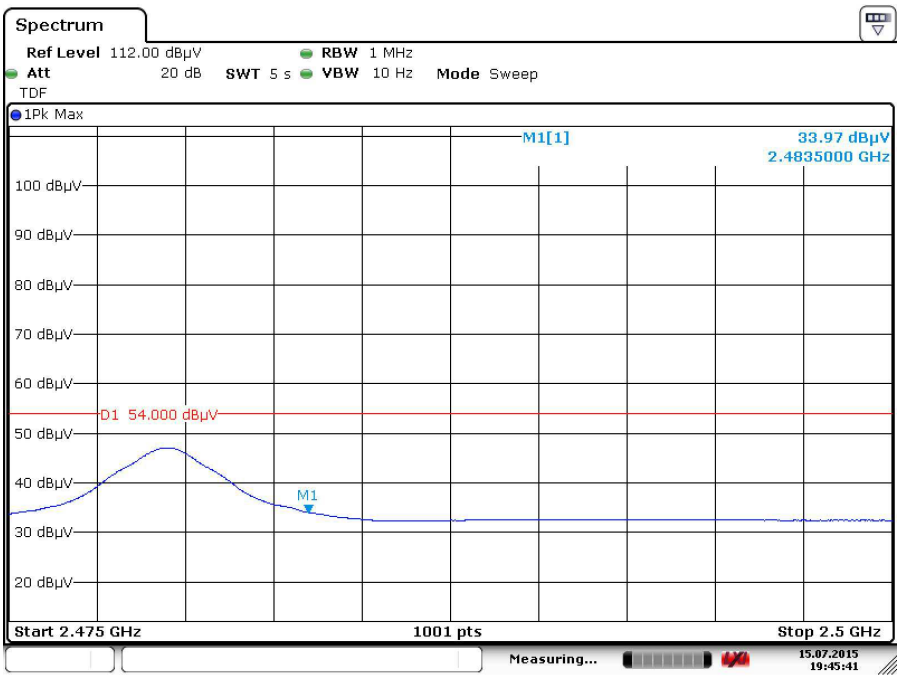
High Channel (Ver)



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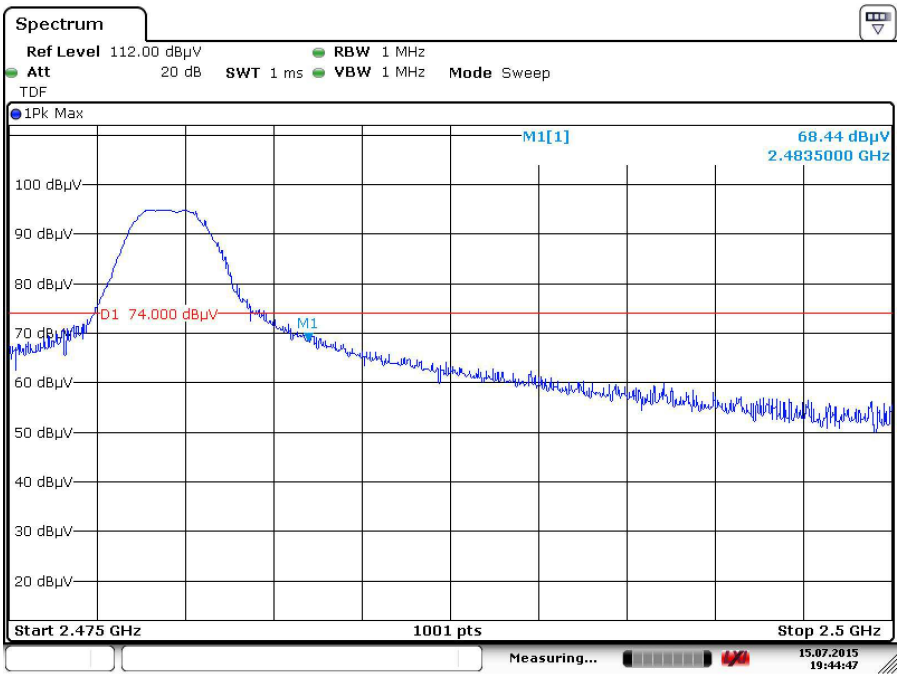

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Spurious Emissions, Band Edge, 2.35-2.5G

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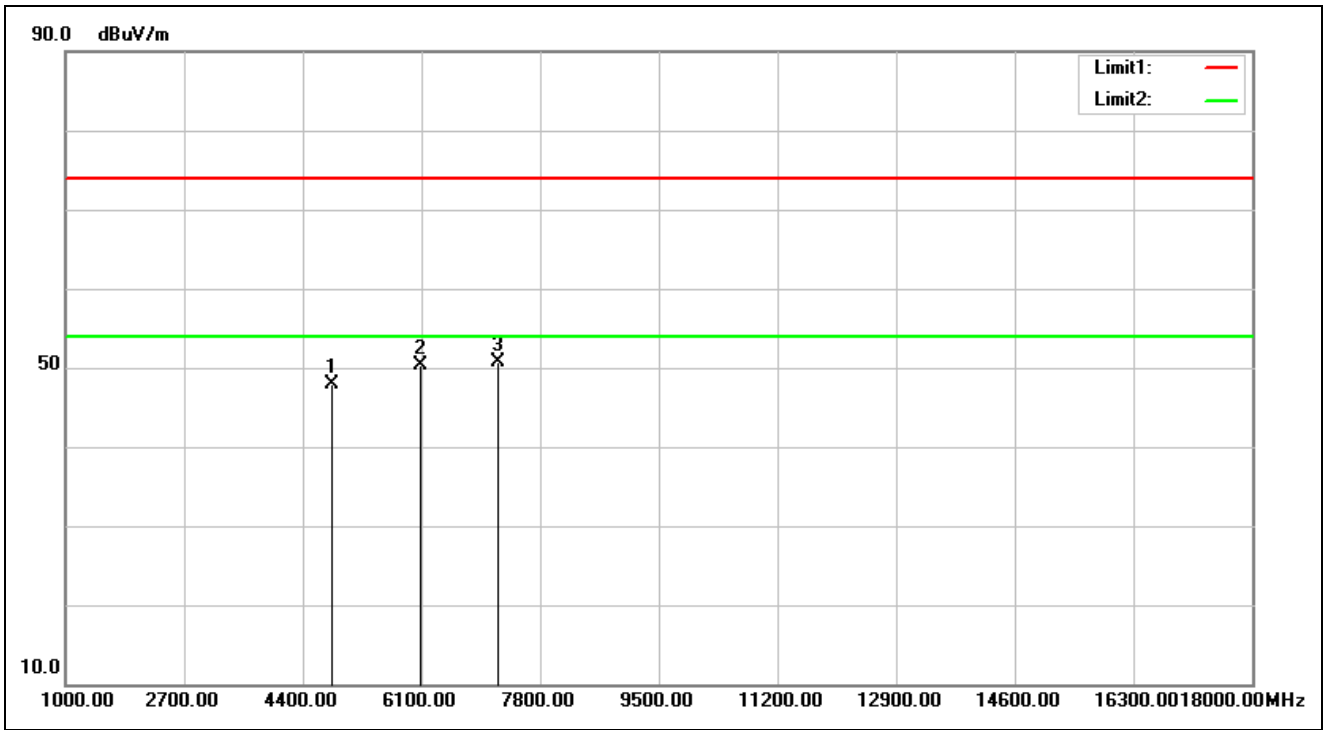

Service No.:	**114036554-FCC_2**	**Test Distance:**	**3m**
Test Standard:	**FCC Above 1G PEAK**	**Ant. Polarization:**	**Horizontal**
Test item:	**Radiation Emission**	**Test Time:**	**2015/7/15 19:08:01**
Applicant:	**Meiloon**	**Test Rating:**	**AC 120V/60Hz**
Product:	**Soundbar + Subwoofer**	**Temp.(℃)/Hum.(%):**	**25.8(℃)/51%**
Model No.:	**SB515**	**Test Engineer:**	**Hugo Chang**
Test Mode:	**2404**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	4808.000	-2.34	50.34	48.00	74.00	-26.00	peak		0	
2	6083.000	4.41	45.87	50.28	74.00	-23.72	peak	100	341	
3	7212.000	5.80	44.85	50.65	74.00	-23.35	peak		0	

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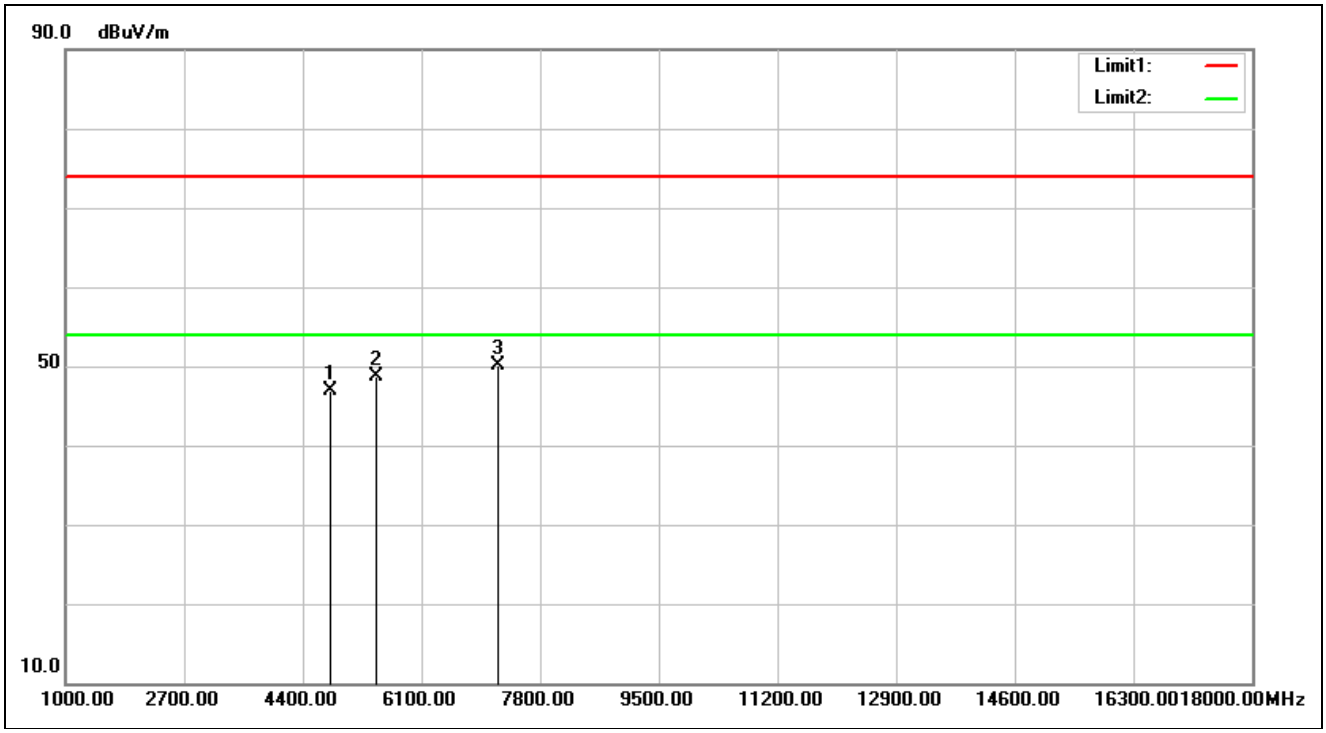

Service No.:	**114036554-FCC_2**	**Test Distance:**	**3m**
Test Standard:	**FCC Above 1G PEAK**	**Ant. Polarization:**	**Vertical**
Test item:	**Radiation Emission**	**Test Time:**	**2015/7/15 19:09:04**
Applicant:	**Meiloon**	**Test Rating:**	**AC 120V/60Hz**
Product:	**Soundbar + Subwoofer**	**Temp.(℃)/Hum.(%):**	**25.8(℃)/51%**
Model No.:	**SB515**	**Test Engineer:**	**Hugo Chang**
Test Mode:	**2404**		
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	49.20	46.85	74.00	-27.15	peak			
2	5454.000	0.57	48.23	48.80	74.00	-25.20	peak	100	63	
3	7212.000	5.80	44.22	50.02	74.00	-23.98	peak			

Spurious Emissions, TX Mode, 1-18G

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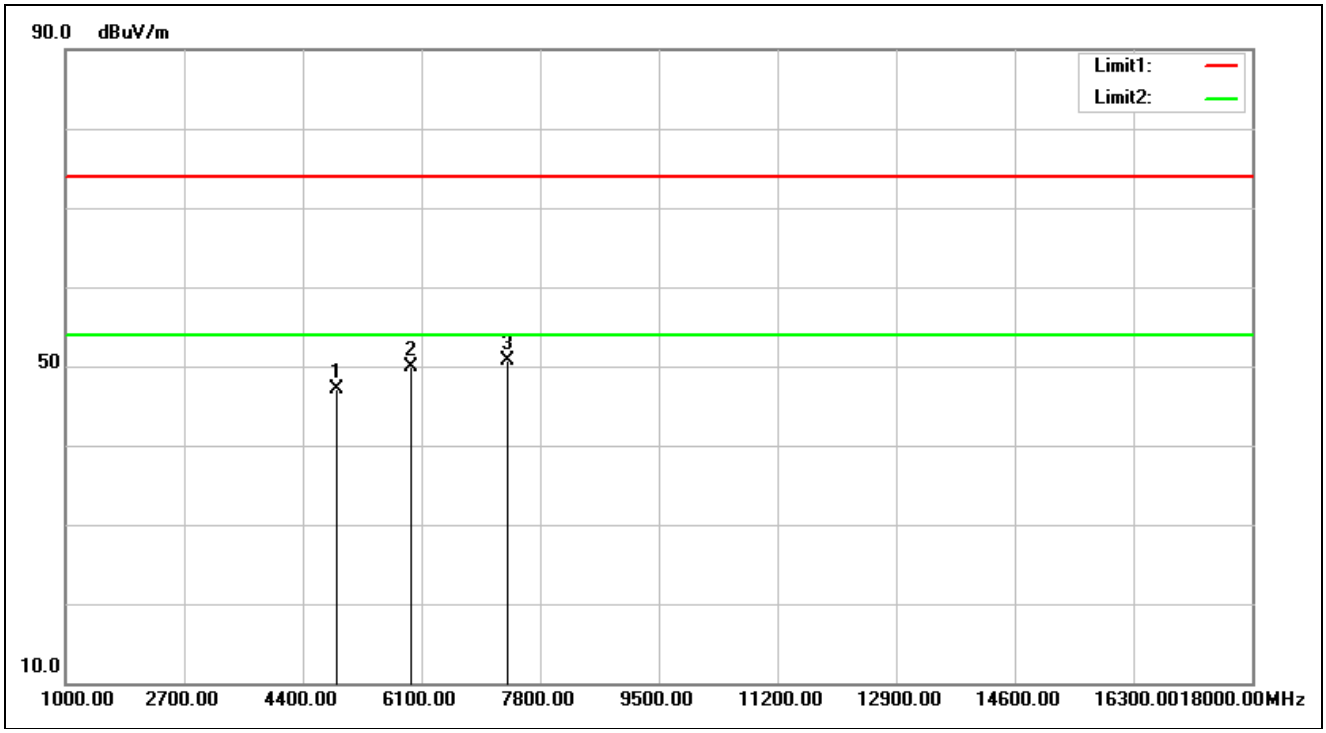

Service No.:	**114036554-FCC_2**	**Test Distance:**	**3m**
Test Standard:	**FCC Above 1G PEAK**	**Ant. Polarization:**	**Horizontal**
Test item:	**Radiation Emission**	**Test Time:**	**2015/7/15 19:11:17**
Applicant:	**Meiloon**	**Test Rating:**	**AC 120V/60Hz**
Product:	**Soundbar + Subwoofer**	**Temp.(℃)/Hum.(%):**	**25.8(℃)/51%**
Model No.:	**SB515**	**Test Engineer:**	**Hugo Chang**
Test Mode:	**2444**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	4888.000	-2.13	49.32	47.19	74.00	-26.81	peak			
2	5947.000	3.74	46.07	49.81	74.00	-24.19	peak	100	170	
3	7332.000	6.15	44.49	50.64	74.00	-23.36	peak			

Spurious Emissions, TX Mode, 1-18G

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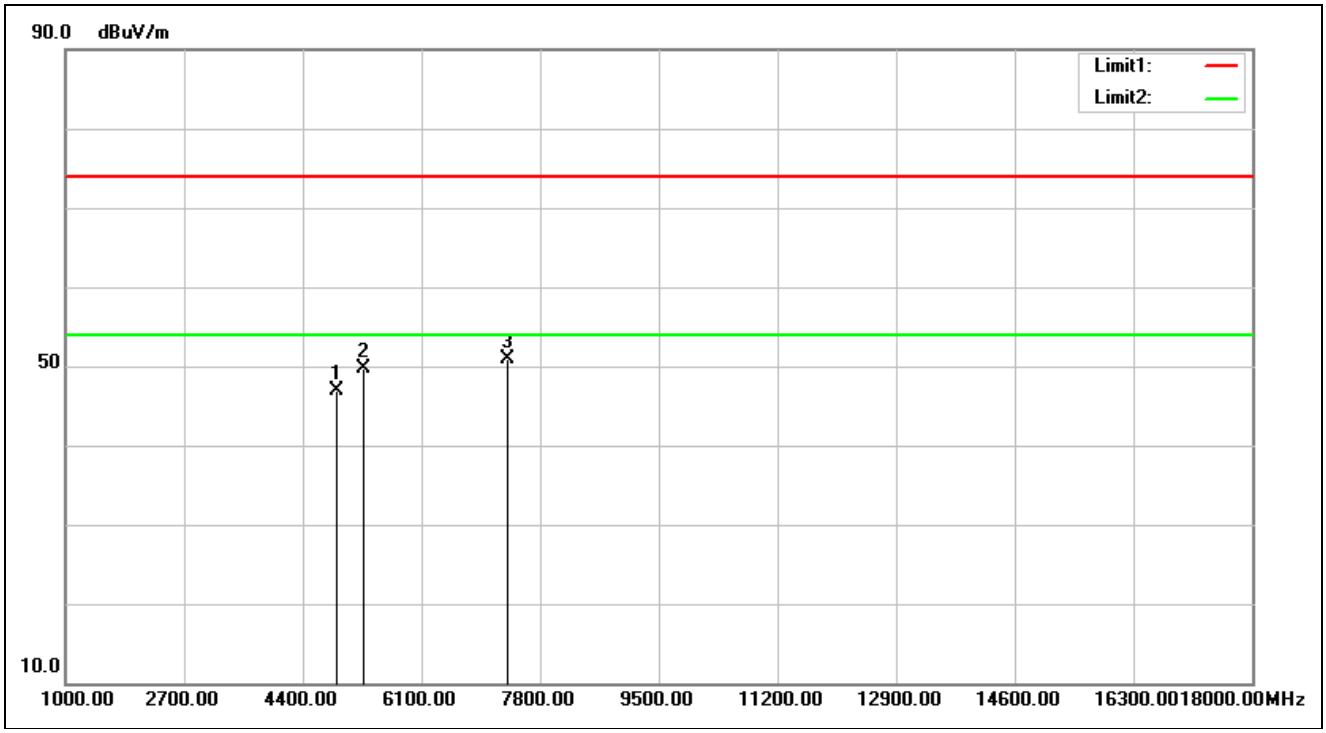

Service No.:	**114036554-FCC_2**	**Test Distance:**	**3m**
Test Standard:	**FCC Above 1G PEAK**	**Ant. Polarization:**	**Vertical**
Test item:	**Radiation Emission**	**Test Time:**	**2015/7/15 19:12:20**
Applicant:	**Meiloon**	**Test Rating:**	**AC 120V/60Hz**
Product:	**Soundbar + Subwoofer**	**Temp.(℃)/Hum.(%):**	**25.8(℃)/51%**
Model No.:	**SB515**	**Test Engineer:**	**Hugo Chang**
Test Mode:	**2444**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	4888.000	-2.13	49.01	46.88	74.00	-27.12	peak			
2	5267.000	-0.42	50.09	49.67	74.00	-24.33	peak	100	360	
3	7332.000	6.15	44.76	50.91	74.00	-23.09	peak			

Spurious Emissions, TX Mode, 1-18G

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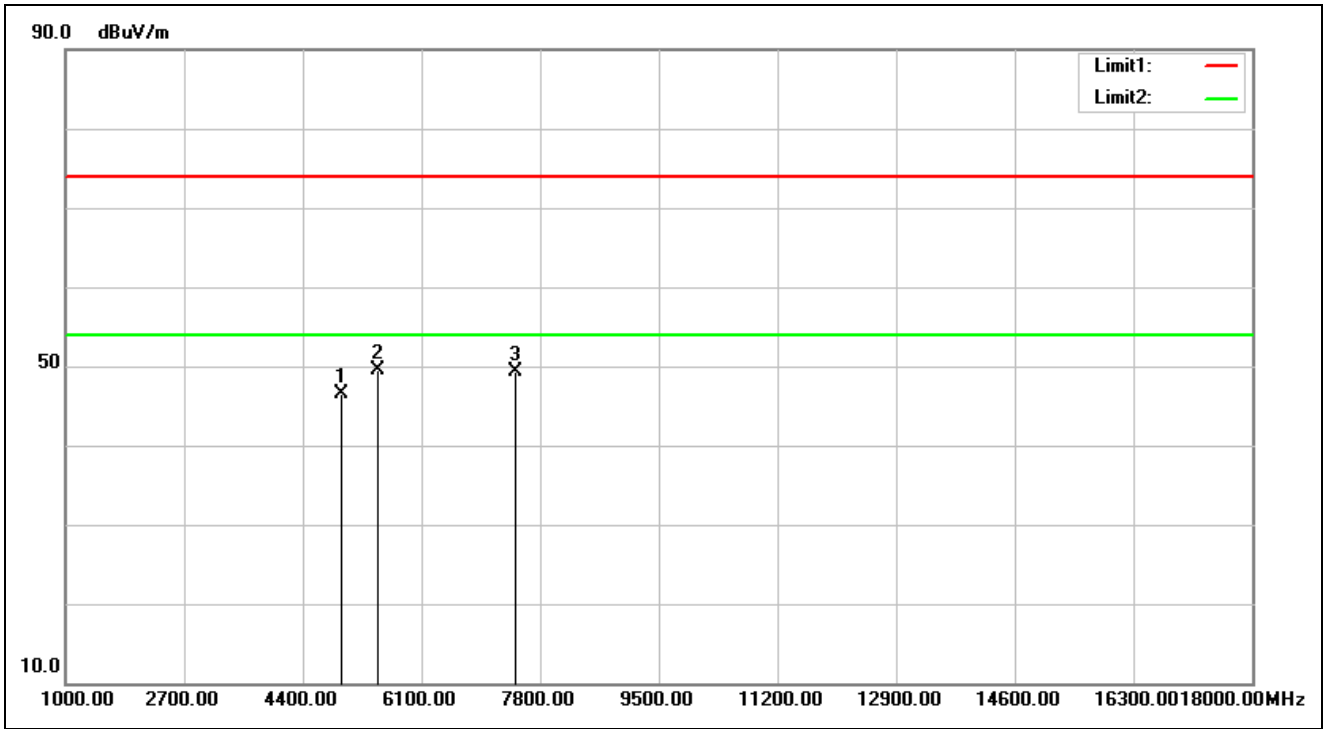

Service No.:	**114036554-FCC_2**	**Test Distance:**	**3m**
Test Standard:	**FCC Above 1G PEAK**	**Ant. Polarization:**	**Horizontal**
Test item:	**Radiation Emission**	**Test Time:**	**2015/7/15 19:15:00**
Applicant:	**Meiloon**	**Test Rating:**	**AC 120V/60Hz**
Product:	**Soundbar + Subwoofer**	**Temp.(℃)/Hum.(%):**	**25.8(℃)/51%**
Model No.:	**SB515**	**Test Engineer:**	**Hugo Chang**
Test Mode:	**2479**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	4958.000	-1.97	48.47	46.50	74.00	-27.50	peak			
2	5471.000	0.66	48.84	49.50	74.00	-24.50	peak	100	311	
3	7437.000	6.47	42.78	49.25	74.00	-24.75	peak			

Spurious Emissions, TX Mode, 1-18G

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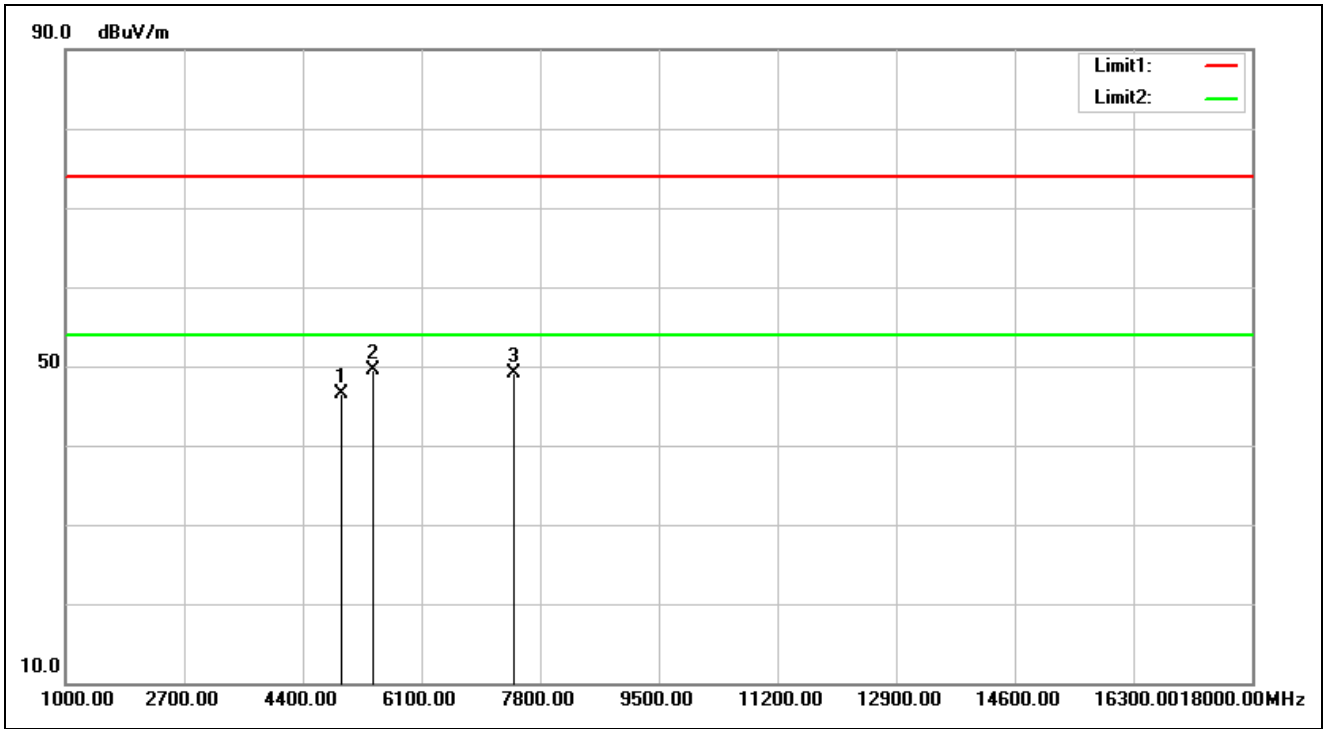

Service No.:	**114036554-FCC_2**	**Test Distance:**	**3m**
Test Standard:	**FCC Above 1G PEAK**	**Ant. Polarization:**	**Vertical**
Test item:	**Radiation Emission**	**Test Time:**	**2015/7/15 19:16:02**
Applicant:	**Meiloon**	**Test Rating:**	**AC 120V/60Hz**
Product:	**Soundbar + Subwoofer**	**Temp.(℃)/Hum.(%):**	**25.8(℃)/51%**
Model No.:	**SB515**	**Test Engineer:**	**Hugo Chang**
Test Mode:	**2479**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	4958.000	-1.97	48.56	46.59	74.00	-27.41	peak			
2	5403.000	0.30	49.27	49.57	74.00	-24.43	peak	100	235	
3	7437.000	6.47	42.62	49.09	74.00	-24.91	peak			

Spurious Emissions, TX Mode, 1-18G

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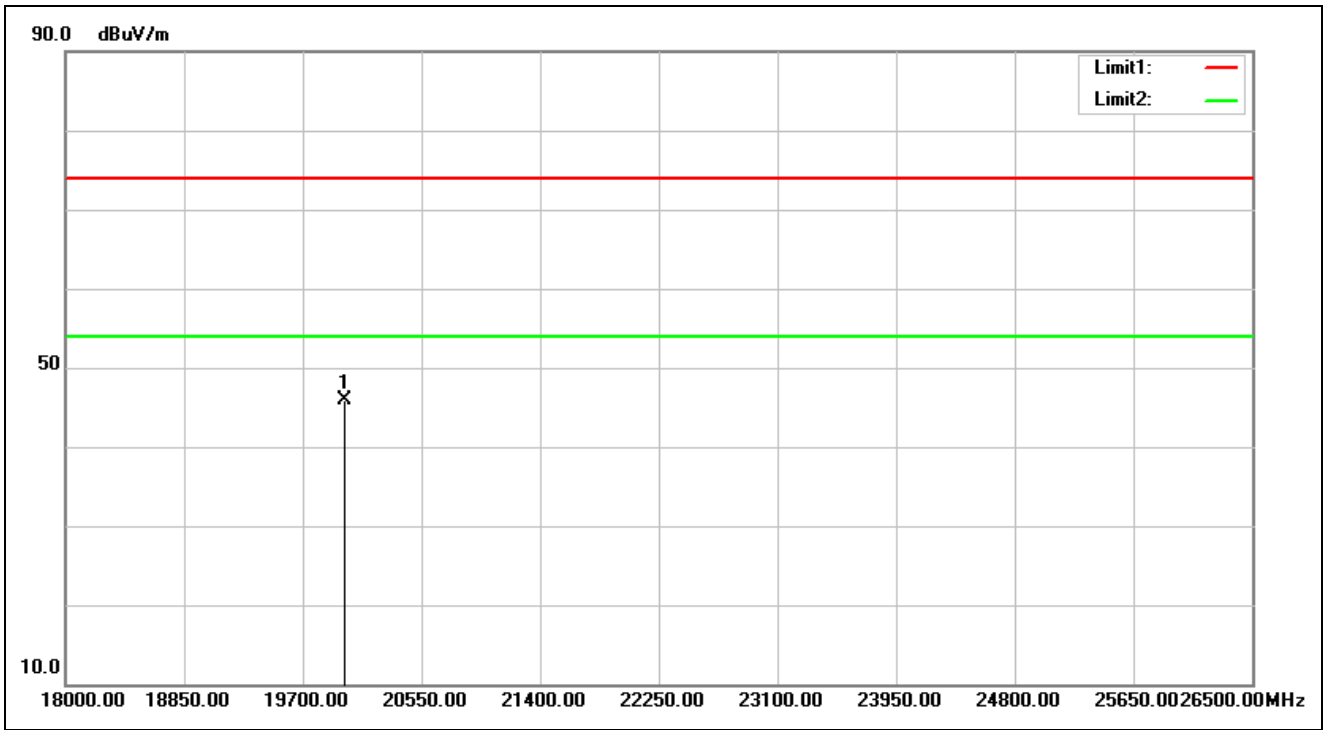

Service No.:	**114036554-FCC_2**	**Test Distance:**	**3m**
Test Standard:	**FCC Above 1G PEAK**	**Ant. Polarization:**	**Horizontal**
Test item:	**Radiation Emission**	**Test Time:**	**2015/7/2 21:41:06**
Applicant:	**Meiloon**	**Test Rating:**	**AC 120V/60Hz**
Product:	**Soundbar + Subwoofer**	**Temp.(℃)/Hum.(%):**	**21.6(℃)/53%**
Model No.:	**SB515**	**Test Engineer:**	**Hugo Chang**
Test Mode:	**2404**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	19997.500	28.93	17.05	45.98	74.00	-28.02	peak		0	

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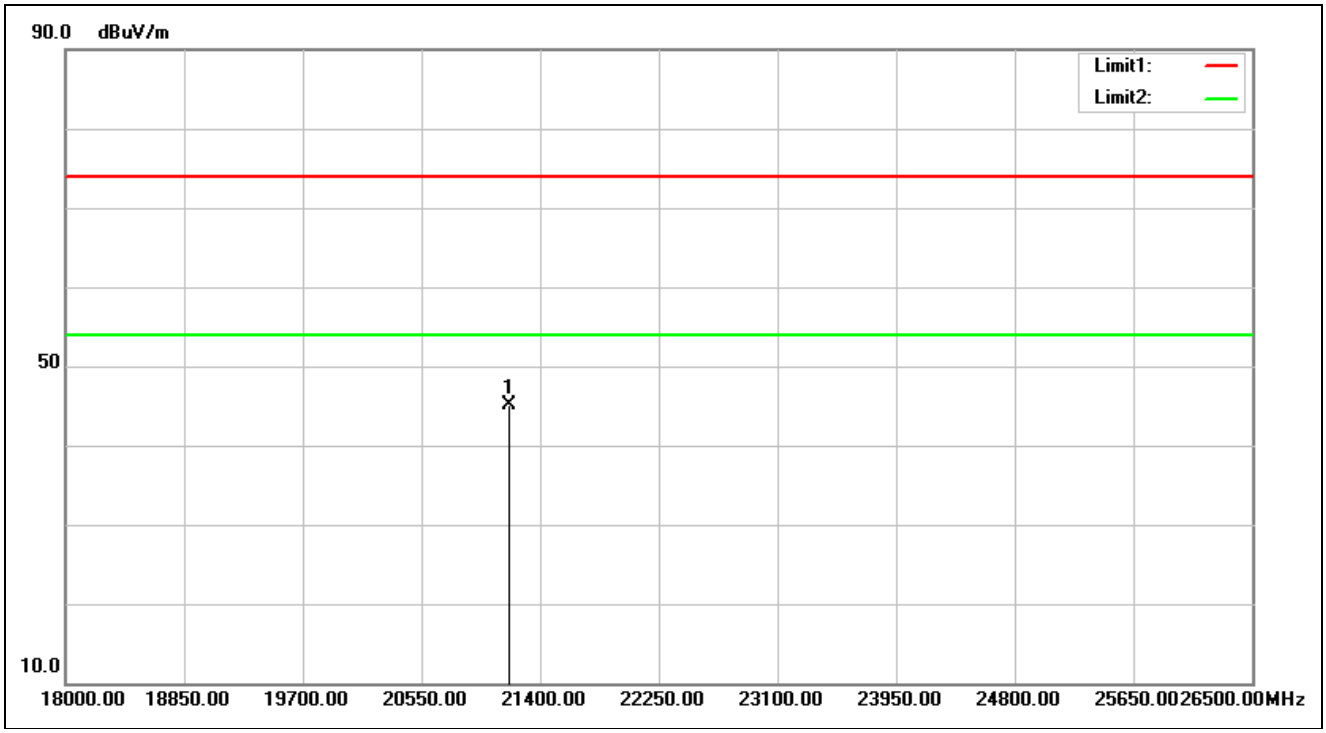

Service No.:	**114036554-FCC_2**	**Test Distance:**	**3m**
Test Standard:	**FCC Above 1G PEAK**	**Ant. Polarization:**	**Vertical**
Test item:	**Radiation Emission**	**Test Time:**	**2015/7/2 21:41:15**
Applicant:	**Meiloon**	**Test Rating:**	**AC 120V/60Hz**
Product:	**Soundbar + Subwoofer**	**Temp.(℃)/Hum.(%):**	**21.6(℃)/53%**
Model No.:	**SB515**	**Test Engineer:**	**Hugo Chang**
Test Mode:	**2404**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	21179.000	29.20	15.93	45.13	74.00	-28.87	peak			

Spurious Emissions, TX Mode, 18-26G

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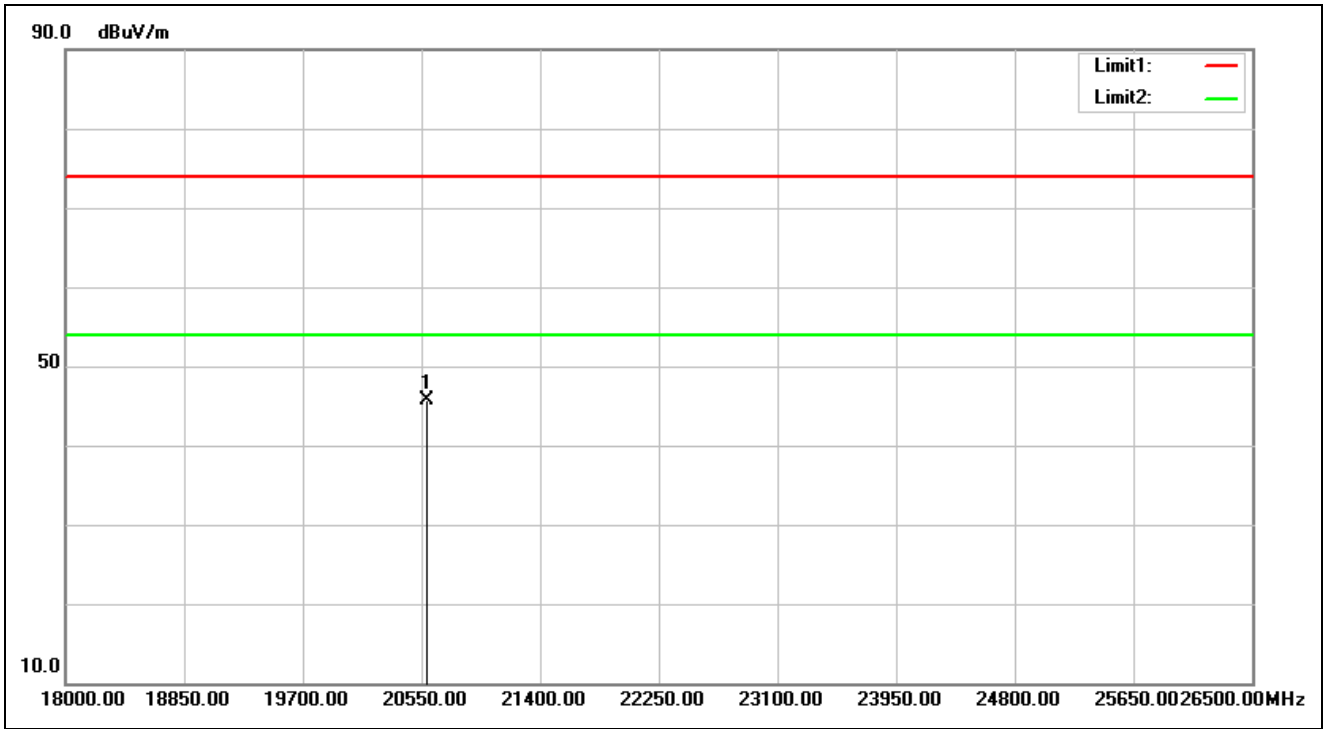

Service No.:	**114036554-FCC_2**	**Test Distance:**	**3m**
Test Standard:	**FCC Above 1G PEAK**	**Ant. Polarization:**	**Horizontal**
Test item:	**Radiation Emission**	**Test Time:**	**2015/7/2 21:41:29**
Applicant:	**Meiloon**	**Test Rating:**	**AC 120V/60Hz**
Product:	**Soundbar + Subwoofer**	**Temp.(℃)/Hum.(%):**	**21.6(℃)/53%**
Model No.:	**SB515**	**Test Engineer:**	**Hugo Chang**
Test Mode:	**2444**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	20584.000	29.26	16.47	45.73	74.00	-28.27	peak			

Spurious Emissions, TX Mode, 18-26G

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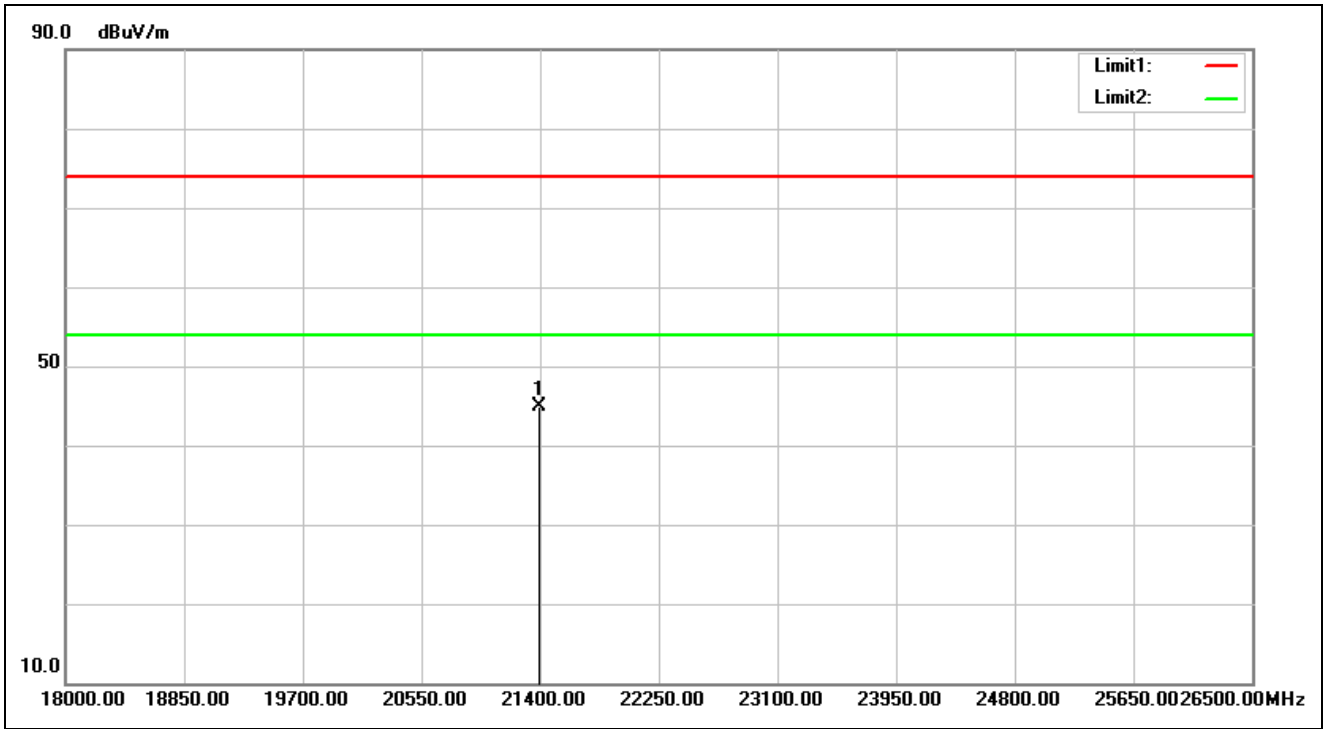

Service No.:	**114036554-FCC_2**	**Test Distance:**	**3m**
Test Standard:	**FCC Above 1G PEAK**	**Ant. Polarization:**	**Vertical**
Test item:	**Radiation Emission**	**Test Time:**	**2015/7/2 21:41:37**
Applicant:	**Meiloon**	**Test Rating:**	**AC 120V/60Hz**
Product:	**Soundbar + Subwoofer**	**Temp.(℃)/Hum.(%):**	**21.6(℃)/53%**
Model No.:	**SB515**	**Test Engineer:**	**Hugo Chang**
Test Mode:	**2444**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	21391.500	29.01	15.88	44.89	74.00	-29.11	peak			

Spurious Emissions, TX Mode, 18-26G

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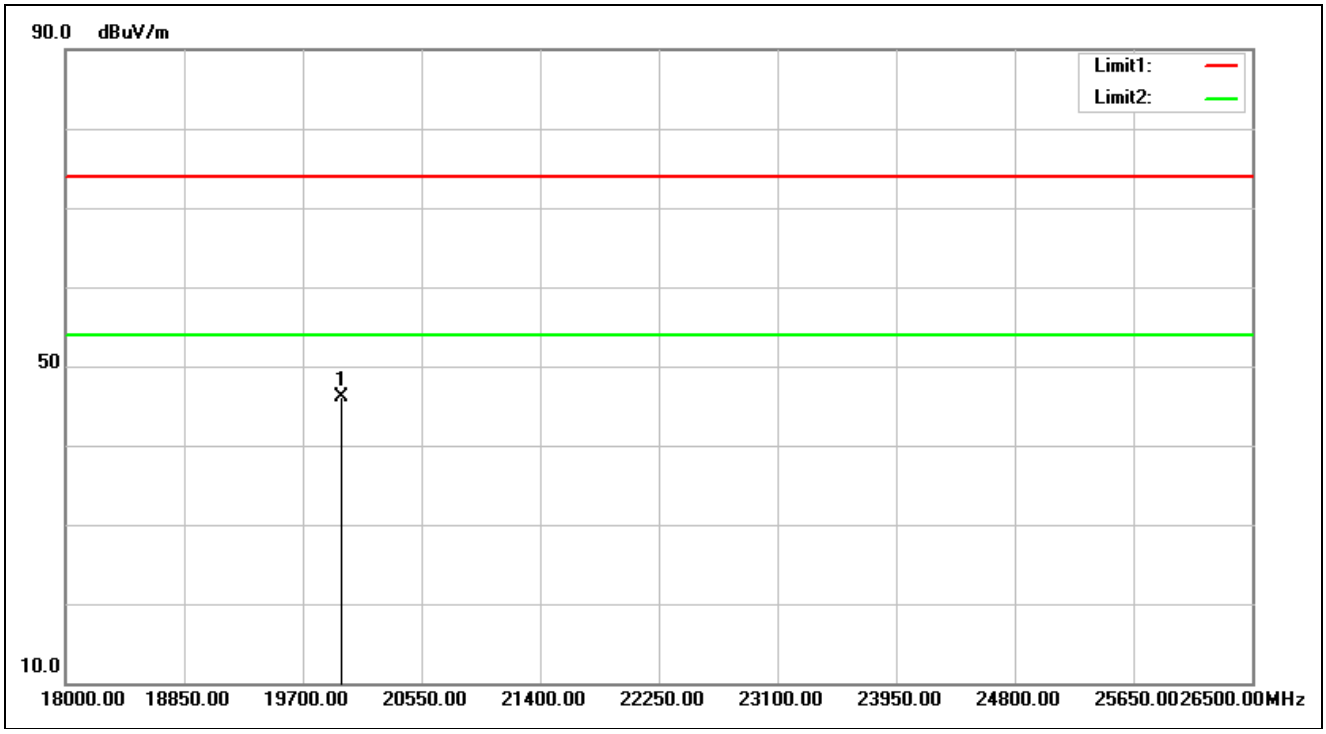

Service No.:	**114036554-FCC_2**	**Test Distance:**	**3m**
Test Standard:	**FCC Above 1G PEAK**	**Ant. Polarization:**	**Horizontal**
Test item:	**Radiation Emission**	**Test Time:**	**2015/7/2 21:41:51**
Applicant:	**Meiloon**	**Test Rating:**	**AC 120V/60Hz**
Product:	**Soundbar + Subwoofer**	**Temp.(℃)/Hum.(%):**	**21.6(℃)/53%**
Model No.:	**SB515**	**Test Engineer:**	**Hugo Chang**
Test Mode:	**2479**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	19980.500	28.93	17.12	46.05	74.00	-27.95	peak			

Spurious Emissions, TX Mode, 18-26G

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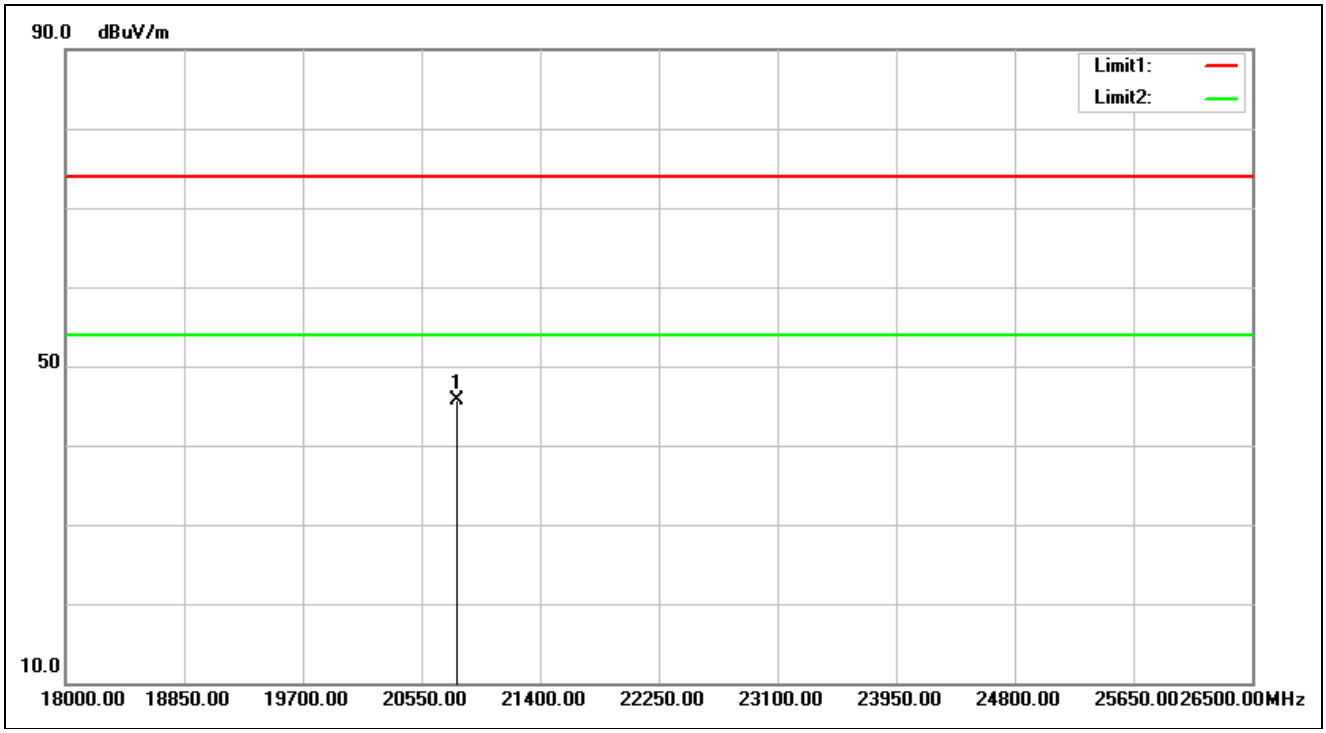

Service No.:	**114036554-FCC_2**	**Test Distance:**	**3m**
Test Standard:	**FCC Above 1G PEAK**	**Ant. Polarization:**	**Vertical**
Test item:	**Radiation Emission**	**Test Time:**	**2015/7/2 21:42:00**
Applicant:	**Meiloon**	**Test Rating:**	**AC 120V/60Hz**
Product:	**Soundbar + Subwoofer**	**Temp.(℃)/Hum.(%):**	**21.6(℃)/53%**
Model No.:	**SB515**	**Test Engineer:**	**Hugo Chang**
Test Mode:	**2479**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	20805.000	29.31	16.36	45.67	74.00	-28.33	peak			

Spurious Emissions, TX Mode, 18-26G

Spurious Emissions, TX Mode, 30M-1G

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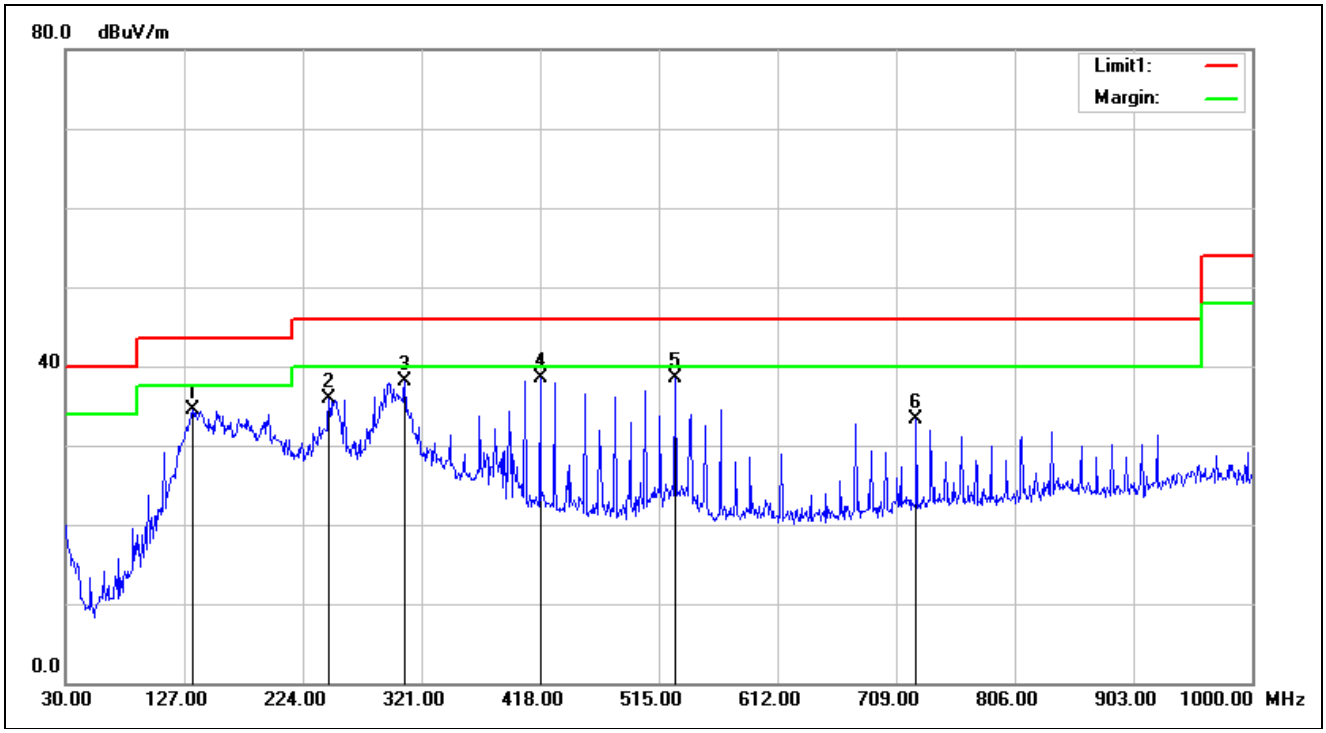
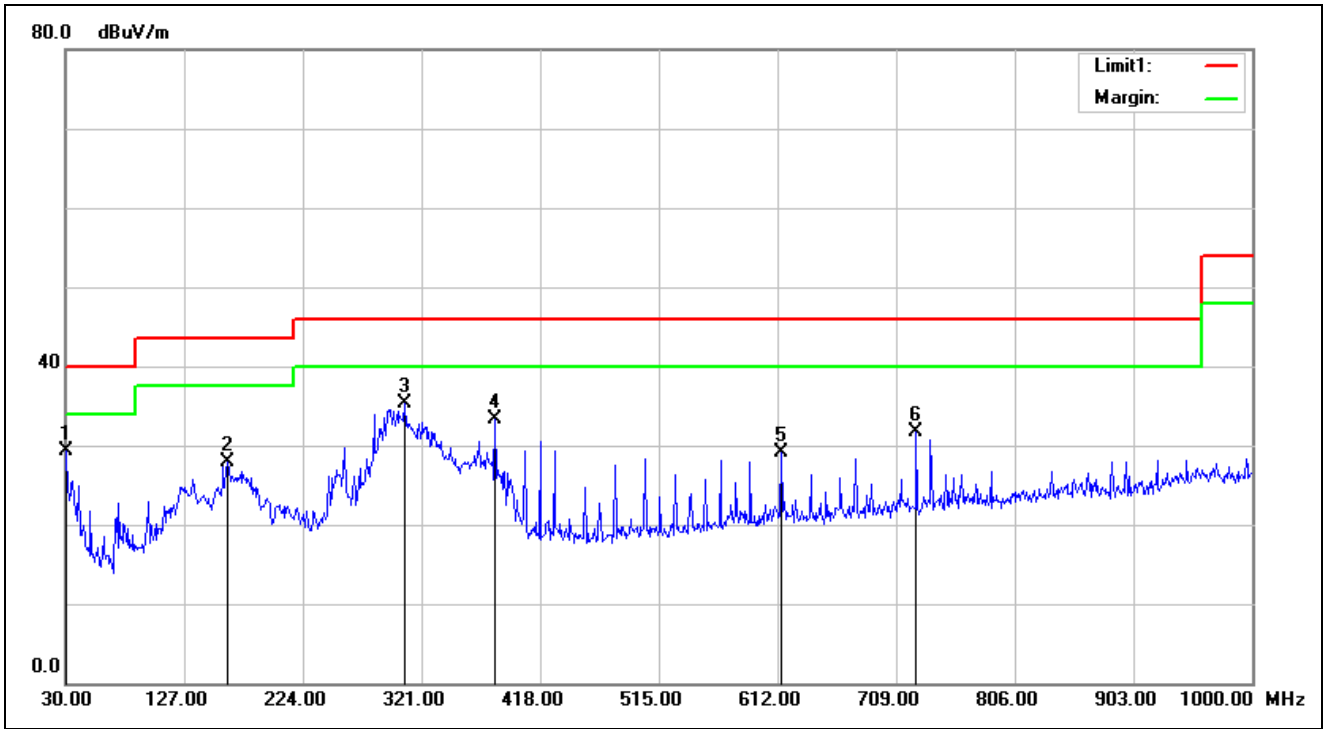


Service No.:	**114036554-FCC_2**	**Test Distance:**	**3m**
Test Standard:	**FCC Class B 3M Radiation**	**Ant. Polarization:**	**Horizontal**
Test item:	**Radiation Emission**	**Test Time:**	**2015/7/15 18:47:55**
Applicant:	**Meiloon**	**Test Rating:**	**AC 120V/60Hz**
Product:	**Soundbar + Subwoofer**	**Temp.(℃)/Hum.(%):**	**25.8(℃)/51%**
Model No.:	**SB515**	**Test Engineer:**	**Hugo Chang**
Test Mode:	**TX**		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (∘)	Remark
1	133.7900	-12.73	47.18	34.45	43.50	-9.05	QP	100	359	
2	245.3400	-12.08	47.90	35.82	46.00	-10.18	QP	100	187	
3	307.4200	-10.23	48.35	38.12	46.00	-7.88	QP	100	359	
4	418.0000	-8.33	46.79	38.46	46.00	-7.54	QP	100	54	
5	528.5800	-6.97	45.52	38.55	46.00	-7.45	QP	100	56	
6	725.4900	-4.28	37.59	33.31	46.00	-12.69	QP	100	128	

Spurious Emissions, Mains, 150kHz - 30MHz

TUV Taiwan
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105
Tel:+886-2172-7000 fax:+886-2528-0018



Service No.:	**114036554-FCC_2**	**Test Distance:**	**3m**
Test Standard:	**FCC Class B 3M Radiation**	**Ant. Polarization:**	**Vertical**
Test item:	**Radiation Emission**	**Test Time:**	**2015/7/15 18:48:59**
Applicant:	**Meiloon**	**Test Rating:**	**AC 120V/60Hz**
Product:	**Soundbar + Subwoofer**	**Temp.(℃)/Hum.(%):**	**25.8(℃)/51%**
Model No.:	**SB515**	**Test Engineer:**	**Hugo Chang**
Test Mode:	**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	-6.03	35.24	29.21	40.00	-10.79	QP	100	251	
2	162.8899	-13.93	41.84	27.91	43.50	-15.59	QP	100	11	
3	307.4200	-10.23	45.47	35.24	46.00	-10.76	QP	100	245	
4	381.1400	-8.82	42.06	33.24	46.00	-12.76	QP	100	96	
5	614.9100	-5.72	34.90	29.18	46.00	-16.82	QP	100	309	
6	725.4900	-4.28	35.99	31.71	46.00	-14.29	QP	100	184	

Spurious Emissions, Mains, 150kHz - 30MHz

Mains Spurious Emissions

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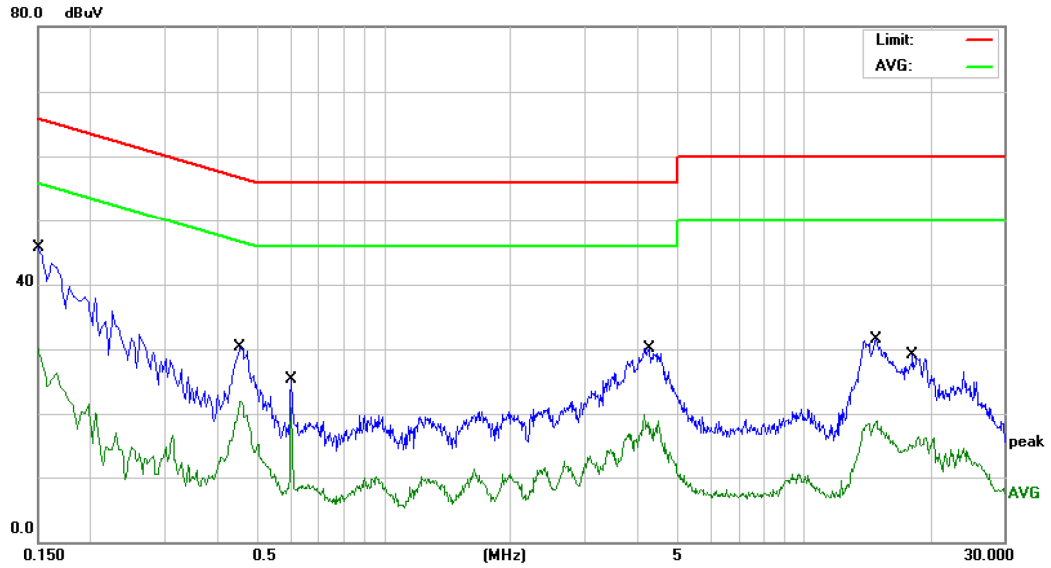
Site: Conduction

Test Time: 2015/6/24 13:38:22



Service No.: 114036554

Test Standard: FCC Class B Conduction(QP)

Test item: Conducted Emission

Phase: L1

Applicant: Meiloon

Temp.(℃)/Hum.(%): 23(℃) / 50 %

Product: Soundbar + Subwoofer

Power Rating: AC 120V/60Hz

Model No.: SB515

Test Engineer: Hugo Chang

Test Mode: (a)BT input

Remark: Soundbar

No.	Frequency (MHz)	Factor ()	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1500	9.65	32.09	41.74	65.99	-24.25	QP	P	
2	0.1500	9.65	18.31	27.96	55.99	-28.03	AVG	P	
3	0.4540	9.63	18.46	28.09	56.80	-28.71	QP	P	
4	0.4540	9.63	12.05	21.68	46.80	-25.12	AVG	P	
5	0.6020	9.63	11.60	21.23	56.00	-34.77	QP	P	
6	0.6020	9.63	10.42	20.05	46.00	-25.95	AVG	P	
7	4.2819	9.67	15.81	25.48	56.00	-30.52	QP	P	
8	4.2819	9.67	5.63	15.30	46.00	-30.70	AVG	P	
9	14.8380	9.82	15.78	25.60	60.00	-34.40	QP	P	
10	14.8380	9.82	7.76	17.58	50.00	-32.42	AVG	P	
11	18.1500	9.85	10.30	20.15	60.00	-39.85	QP	P	
12	18.1500	9.85	3.87	13.72	50.00	-36.28	AVG	P	

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Spurious Emissions, Mains, 150kHz - 30MHz

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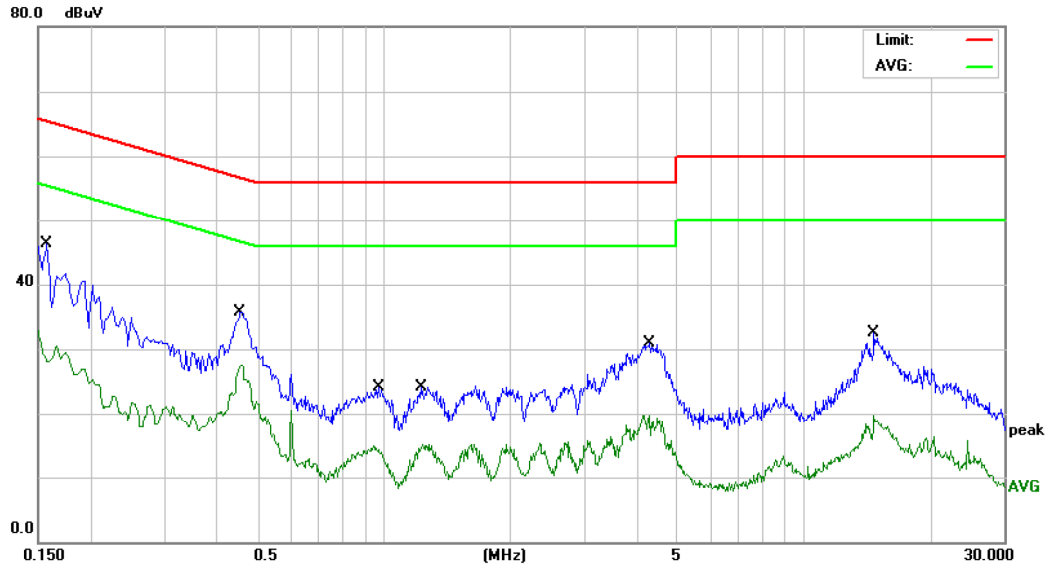
Tel:+886-2-2172-7000 Fax:+886-2-2528-0018

Site: Conduction

Test Time: 2015/6/24 13:40:46



Service No.: 114036554
Test Standard: FCC Class B Conduction(QP)
Test item: Conducted Emission
Phase: N
Applicant: Meiloon
Temp.(℃)/Hum.(%): 23(℃) / 50 %
Product: Soundbar + Subwoofer
Power Rating: AC 120V/60Hz
Model No.: SB515
Test Engineer: Hugo Chang

Test Mode: (a)BT input
Remark: Soundbar

No.	Frequency (MHz)	Factor ()	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1580	9.66	29.79	39.45	65.56	-26.11	QP	P	
2	0.1580	9.66	17.69	27.35	55.56	-28.21	AVG	P	
3	0.4540	9.64	23.93	33.57	56.80	-23.23	QP	P	
4	0.4540	9.64	17.60	27.24	46.80	-19.56	AVG	P	
5	0.9700	9.64	10.58	20.22	56.00	-35.78	QP	P	
6	0.9700	9.64	4.34	13.98	46.00	-32.02	AVG	P	
7	1.2260	9.64	10.47	20.11	56.00	-35.89	QP	P	
8	1.2260	9.64	3.85	13.49	46.00	-32.51	AVG	P	
9	4.3060	9.69	16.44	26.13	56.00	-29.87	QP	P	
10	4.3060	9.69	6.49	16.18	46.00	-29.82	AVG	P	
11	14.7380	9.87	15.55	25.42	60.00	-34.58	QP	P	
12	14.7380	9.87	7.33	17.20	50.00	-32.80	AVG	P	

File:114036554\ #2 *Page: 1*

Spurious Emissions, Mains, 150kHz - 30MHz