

Test Report No.50083712 001

Appendix D: Radiated and Mains Spurious Emission Data

(File: 50083712AppendixD)

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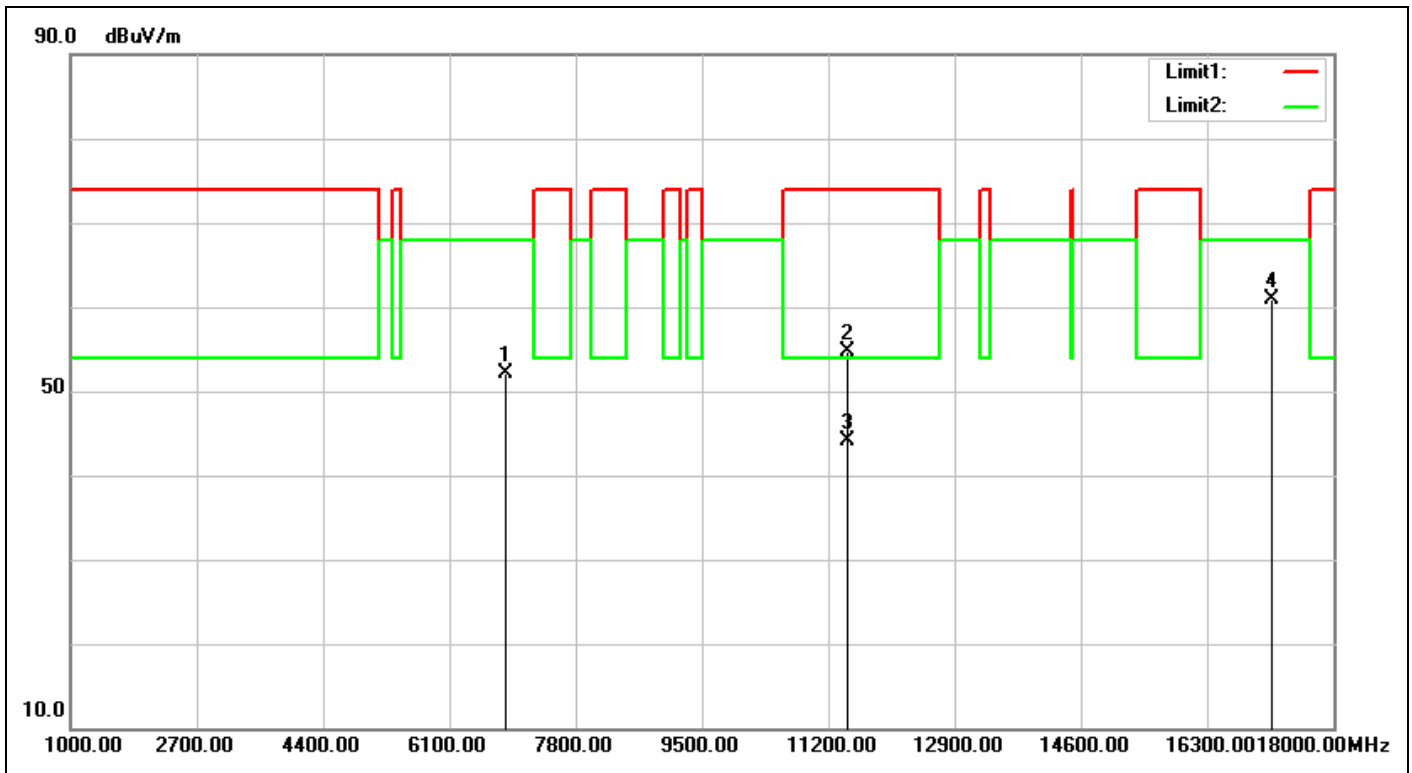
Spurious Emissions, TX Mode, 1-18G



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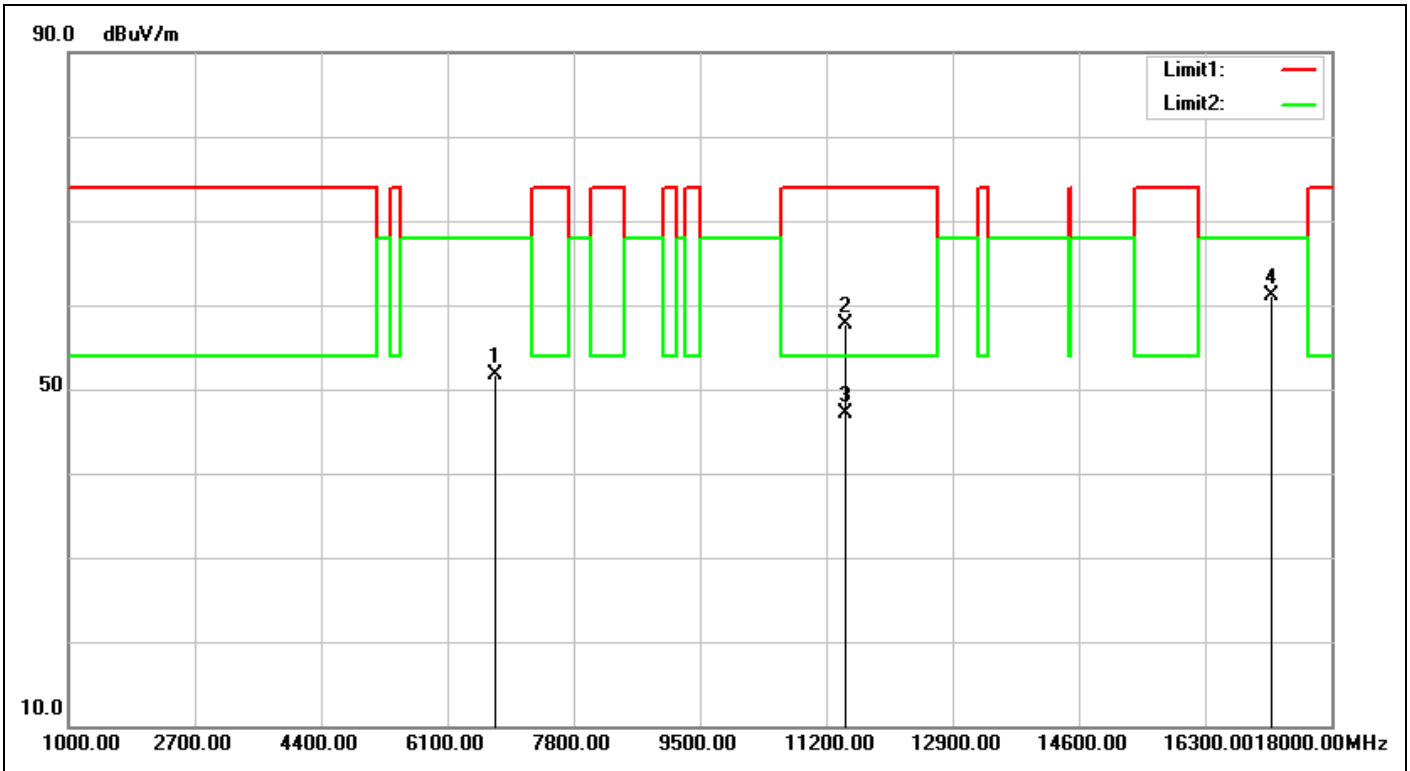
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105

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



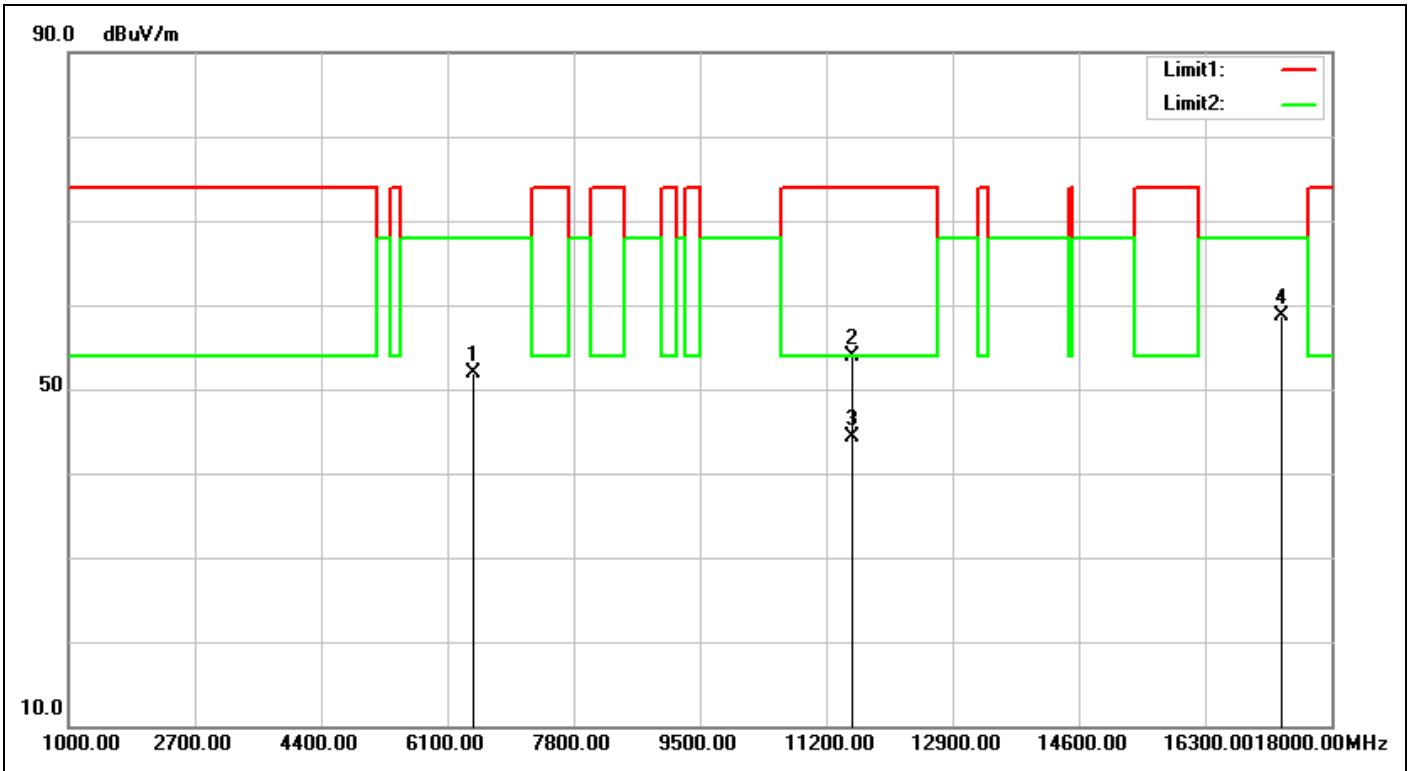
Service No.:	114064405	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/16 10:14:29
Applicant:	Meiloon	Test Rating:	AC 120V/60Hz
Product:	Universal Rear Speaker Kit (Transmitter)	Temp.(°C)/Hum.(%):	25(°C)/62%
Model No.:	NS-HURSK18	Test Engineer:	George Yang
Test Mode:	5740-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	6865.000	5.88	46.21	52.09	68.00	-15.91	peak	100	303	
2	11450.000	5.74	48.97	54.71	74.00	-19.29	peak		0	
3	11450.000	5.74	38.46	44.20	54.00	-9.80	AVG		0	
4	17175.000	16.43	44.49	60.92	68.00	-7.08	peak		0	



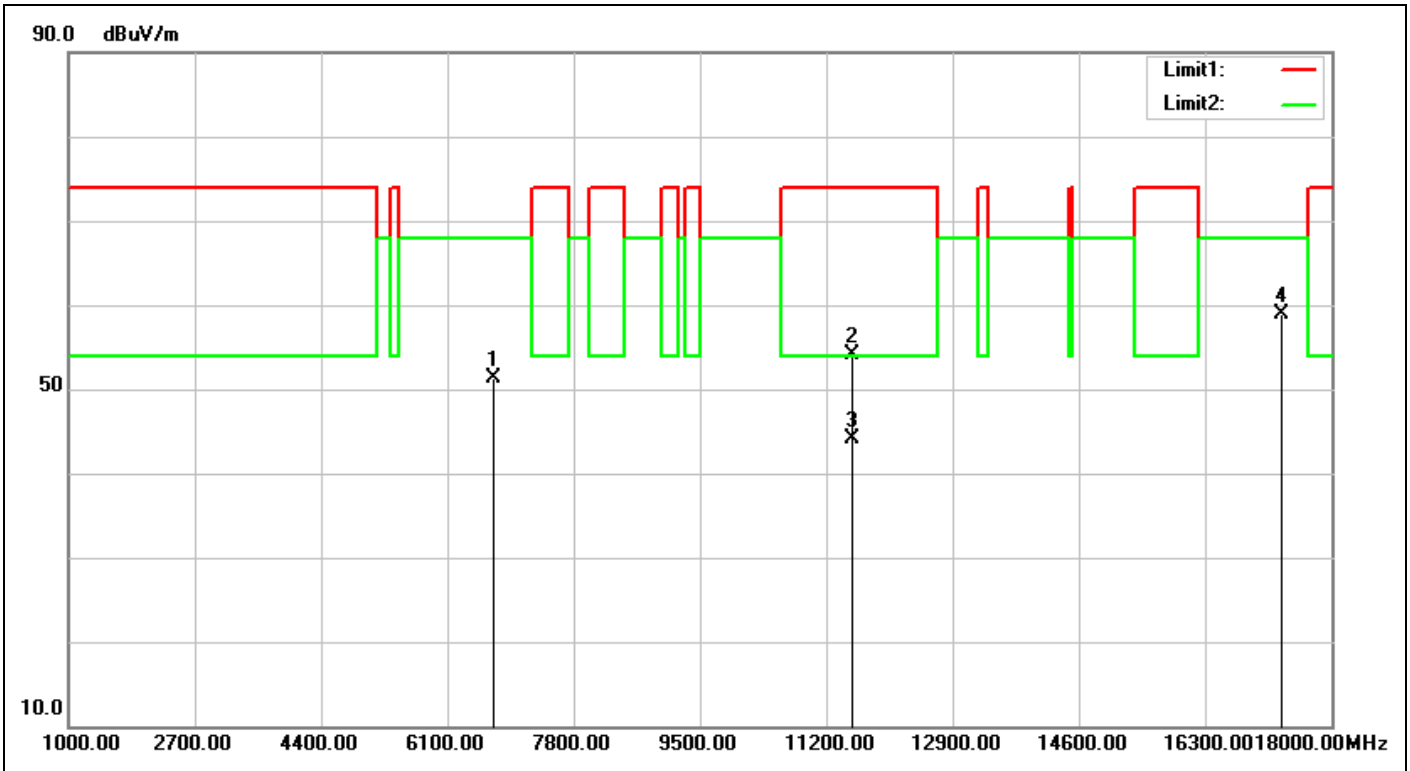
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Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/16 10:15:31
Applicant:	Meiloon	Test Rating:	AC 120V/60Hz
Product:	Universal Rear Speaker Kit (Transmitter)	Temp.(°C)/Hum.(%):	25(°C)/62%
Model No.:	NS-HURSK18	Test Engineer:	George Yang
Test Mode:	5740-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	6746.000	6.02	45.70	51.72	68.00	-16.28	peak	100	61	
2	11450.000	5.74	51.96	57.70	74.00	-16.30	peak	100	49	
3	11450.000	5.74	41.36	47.10	54.00	-6.90	AVG	100	49	
4	17175.000	16.43	44.68	61.11	68.00	-6.89	peak			



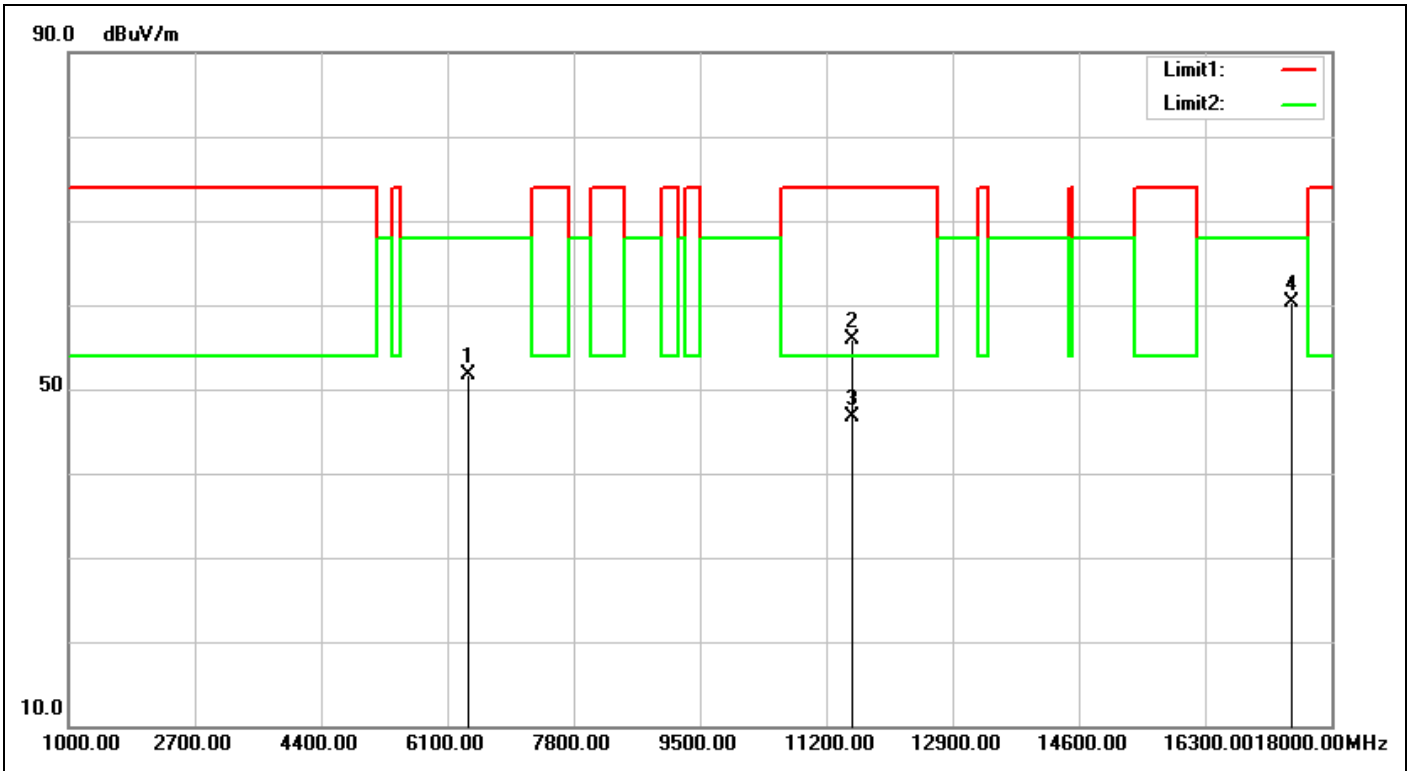
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Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/16 10:24:25
Applicant:	Meiloon	Test Rating:	AC 120V/60Hz
Product:	Universal Rear Speaker Kit (Transmitter)	Temp.(°C)/Hum.(%):	25(°C)/62%
Model No.:	NS-HURSK18	Test Engineer:	George Yang
Test Mode:	5775-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	6457.000	6.16	45.81	51.97	68.00	-16.03	peak	100	114	
2	11550.000	6.01	47.98	53.99	74.00	-20.01	peak			
3	11550.000	6.01	38.29	44.30	54.00	-9.70	AVG			
4	17325.000	16.23	42.42	58.65	68.00	-9.35	peak			



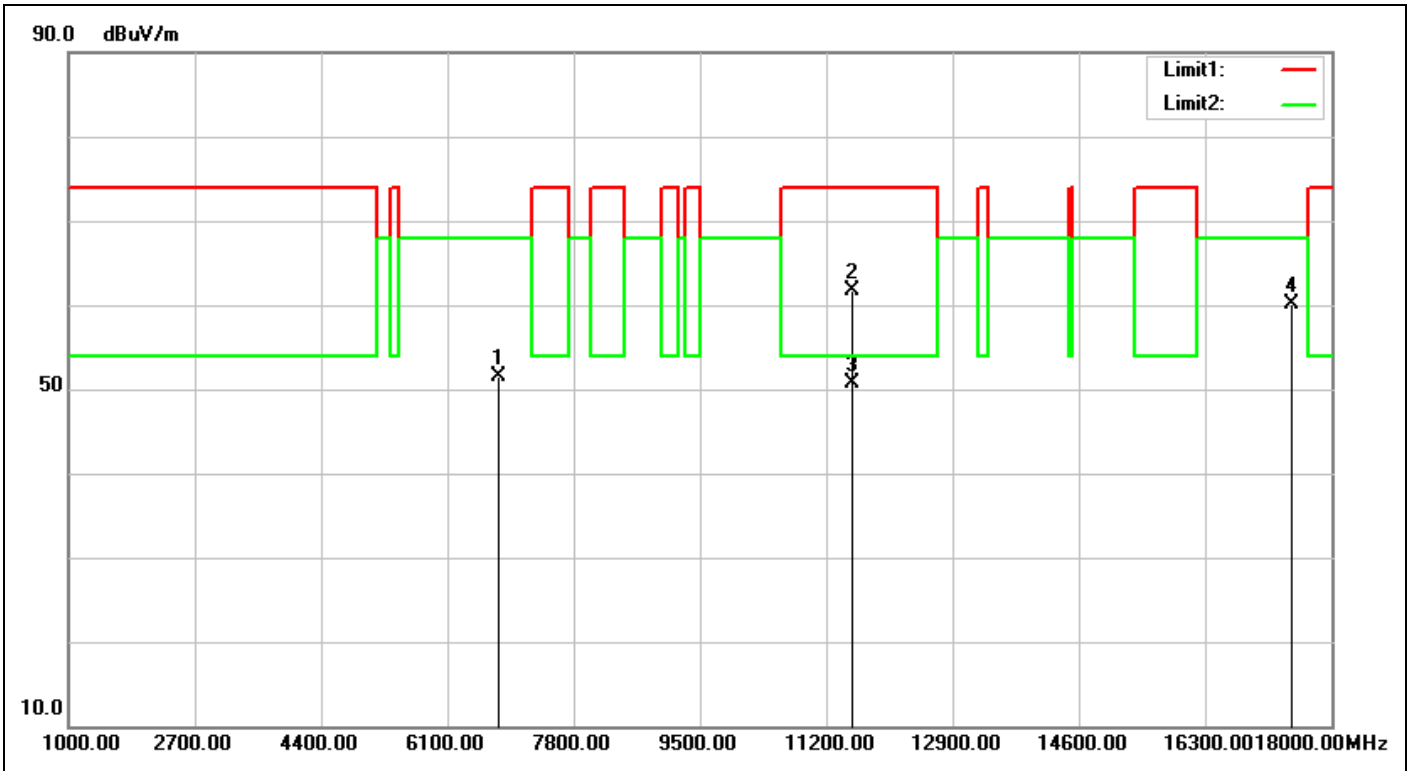
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Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/16 10:25:28
Applicant:	Meiloon	Test Rating:	AC 120V/60Hz
Product:	Universal Rear Speaker Kit (Transmitter)	Temp.(°C)/Hum.(%):	25(°C)/62%
Model No.:	NS-HURSK18	Test Engineer:	George Yang
Test Mode:	5775-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	6729.000	6.05	45.33	51.38	68.00	-16.62	peak	100	360	
2	11550.000	6.01	48.15	54.16	74.00	-19.84	peak			
3	11550.000	6.01	38.19	44.20	54.00	-9.80	AVG			
4	17325.000	16.23	42.65	58.88	68.00	-9.12	peak			



Service No.:	114064405	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/16 10:30:10
Applicant:	Meiloon	Test Rating:	AC 120V/60Hz
Product:	Universal Rear Speaker Kit (Transmitter)	Temp.(°C)/Hum.(%):	25(°C)/62%
Model No.:	NS-HURSK18	Test Engineer:	George Yang
Test Mode:	5840-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	6389.000	5.94	45.68	51.62	68.00	-16.38	peak	100	292	
2	11550.000	6.01	49.98	55.99	74.00	-18.01	peak	100	81	
3	11550.000	6.01	40.66	46.67	54.00	-7.33	AVG	100	81	
4	17475.000	16.04	44.35	60.39	68.00	-7.61	peak			



Service No.:	114064405	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/16 10:31:12
Applicant:	Meiloon	Test Rating:	AC 120V/60Hz
Product:	Universal Rear Speaker Kit (Transmitter)	Temp.(°C)/Hum.(%):	25(°C)/62%
Model No.:	NS-HURSK18	Test Engineer:	George Yang
Test Mode:	5840-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	6797.000	5.97	45.54	51.51	68.00	-16.49	peak	100	337	
2	11550.000	6.01	55.65	61.66	74.00	-12.34	peak	100	69	
3	11550.000	6.01	44.74	50.75	54.00	-3.25	AVG	100	69	
4	17475.000	16.04	44.11	60.15	68.00	-7.85	peak			

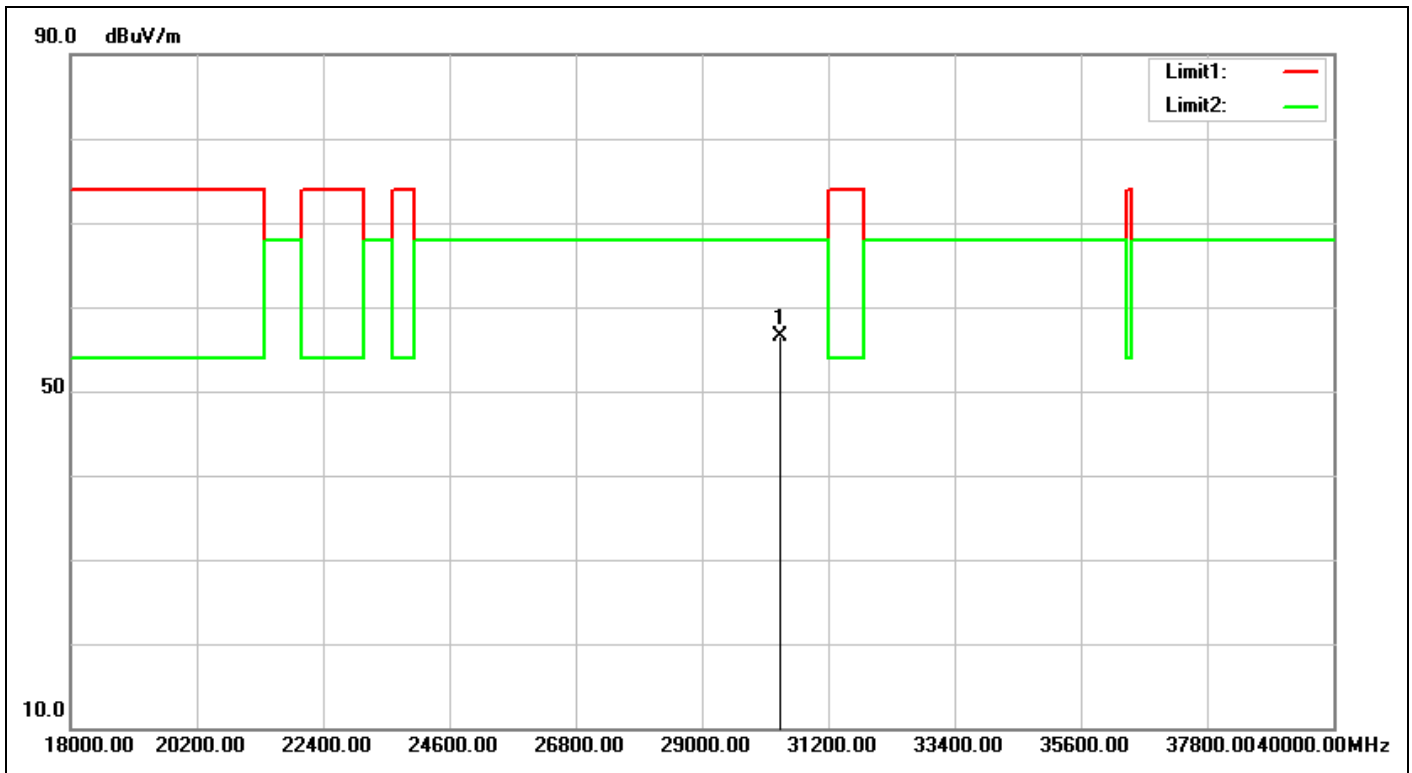
Spurious Emissions, TX Mode, 18-40G



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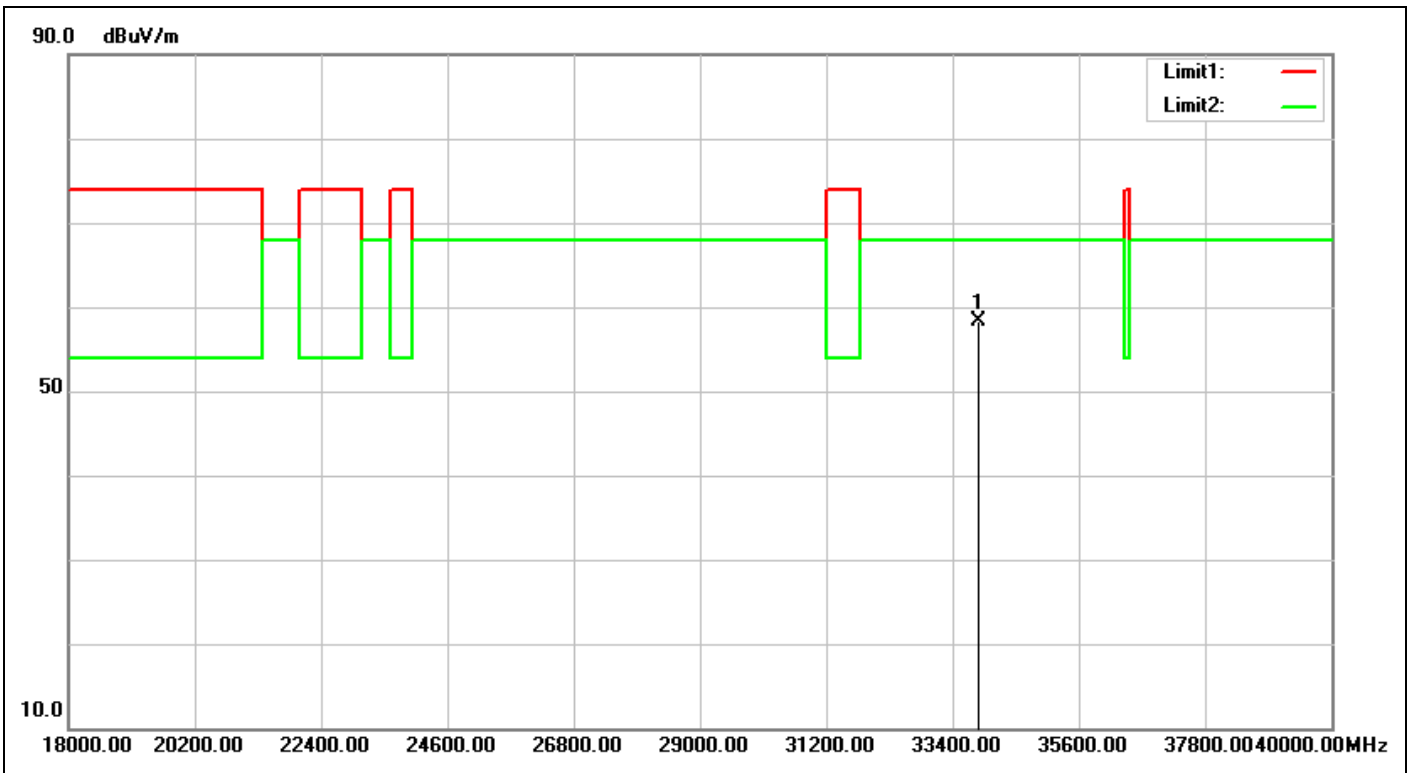
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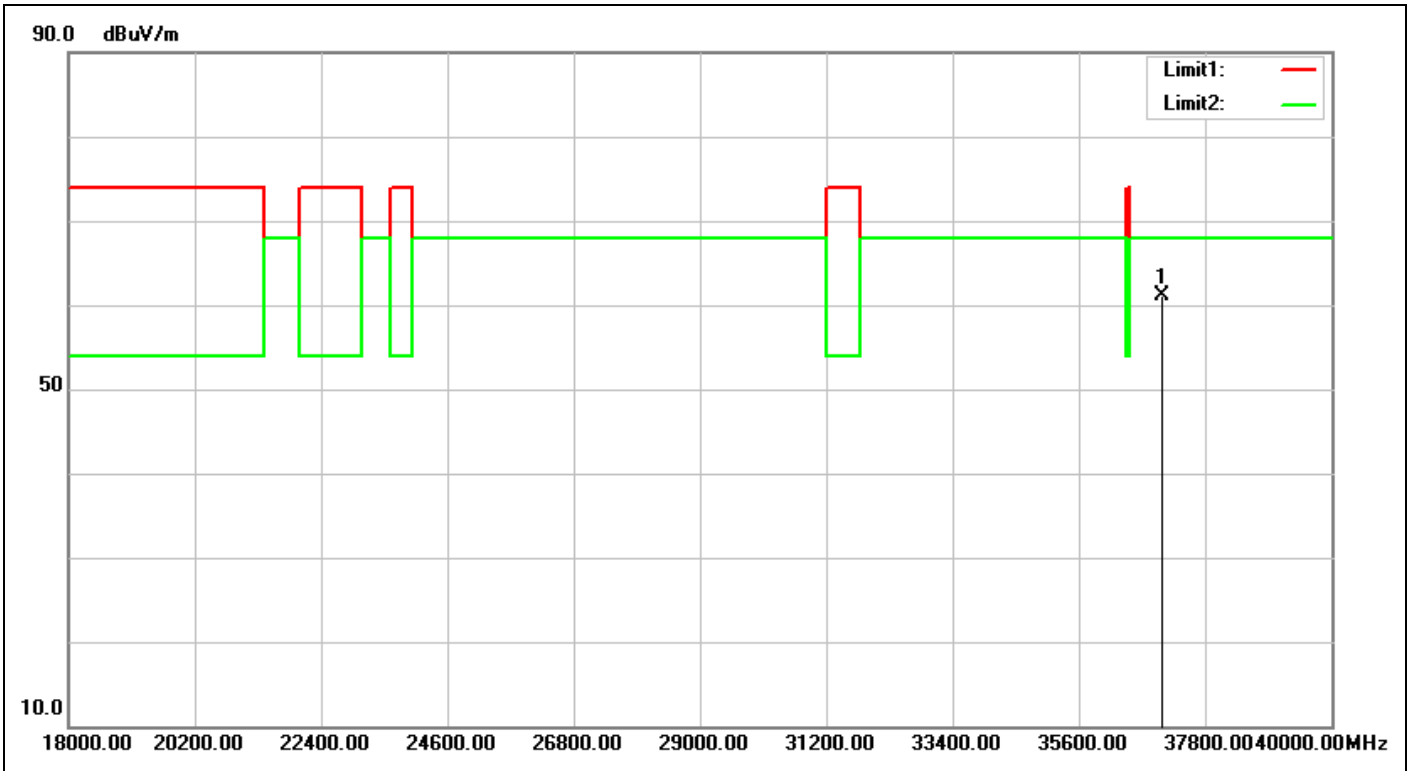
Service No.:	114064405	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/17 14:07:38
Applicant:	Meiloon	Test Rating:	AC 120V/60Hz
Product:	Universal Rear Speaker Kit (Transmitter)	Temp.(°C)/Hum.(%):	23.4(°C)/51%
Model No.:	NS-HURSK18	Test Engineer:	George Yang
Test Mode:	5740-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30364.000	37.00	19.44	56.44	68.00	-11.56	peak			



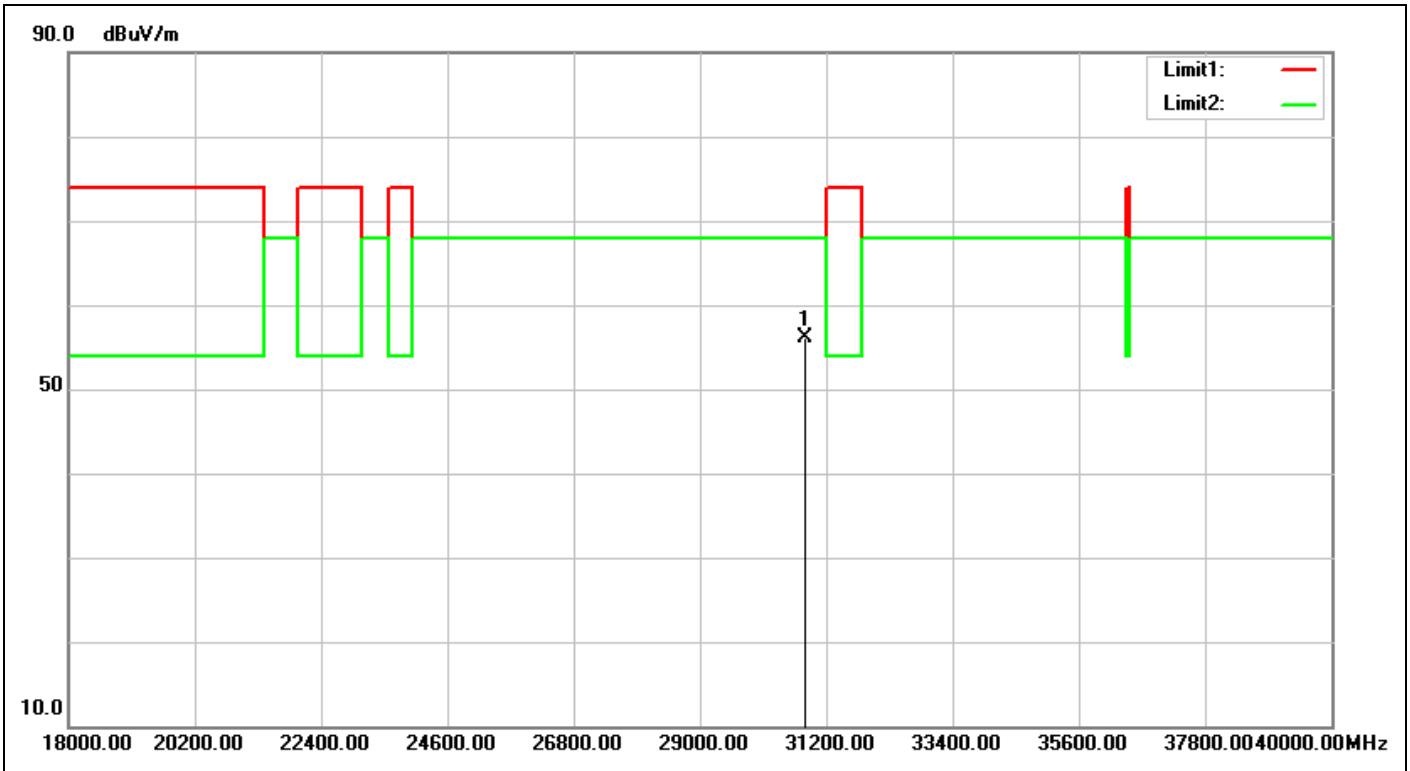
Service No.:	114064405	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/17 14:07:48
Applicant:	Meiloon	Test Rating:	AC 120V/60Hz
Product:	Universal Rear Speaker Kit (Transmitter)	Temp.(°C)/Hum.(%):	23.4(°C)/51%
Model No.:	NS-HURSK18	Test Engineer:	George Yang
Test Mode:	5740-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	33840.000	38.34	19.87	58.21	68.00	-9.79	peak			



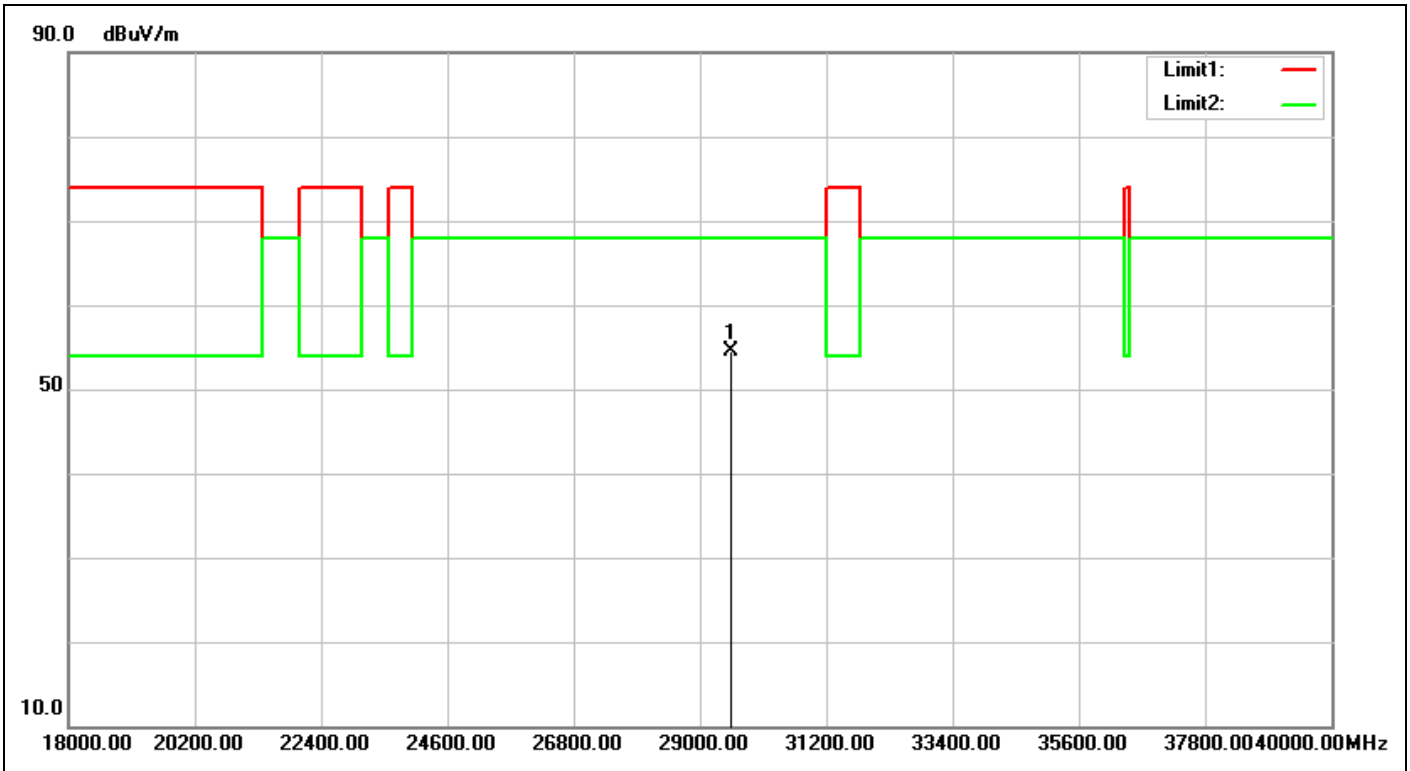
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Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/17 14:08:03
Applicant:	Meiloon	Test Rating:	AC 120V/60Hz
Product:	Universal Rear Speaker Kit (Transmitter)	Temp.(°C)/Hum.(%):	23.4(°C)/51%
Model No.:	NS-HURSK18	Test Engineer:	George Yang
Test Mode:	5775-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	37052.000	39.57	21.52	61.09	68.00	-6.91	peak			



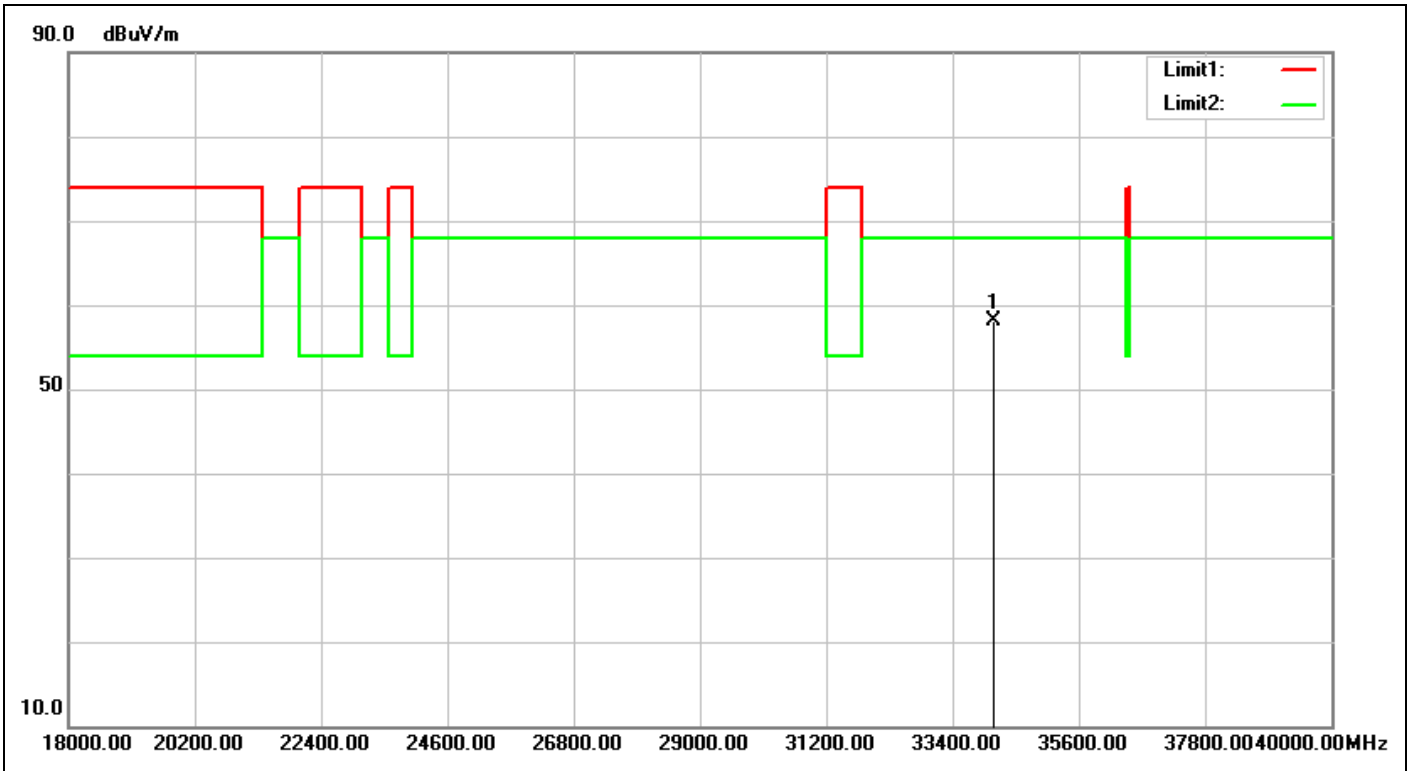
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Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/17 14:08:20
Applicant:	Meiloon	Test Rating:	AC 120V/60Hz
Product:	Universal Rear Speaker Kit (Transmitter)	Temp.(°C)/Hum.(%):	23.4(°C)/51%
Model No.:	NS-HURSK18	Test Engineer:	George Yang
Test Mode:	5775-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	30826.000	37.63	18.48	56.11	68.00	-11.89	peak			



Service No.:	114064405	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/17 14:08:34
Applicant:	Meiloon	Test Rating:	AC 120V/60Hz
Product:	Universal Rear Speaker Kit (Transmitter)	Temp.(°C)/Hum.(%):	23.4(°C)/51%
Model No.:	NS-HURSK18	Test Engineer:	George Yang
Test Mode:	5840-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	29550.000	36.28	18.24	54.52	68.00	-13.48	peak			



Service No.:	114064405	Test Distance:	3m
Test Standard:	FCC 1-40G UNII PEAK	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/17 14:08:44
Applicant:	Meiloon	Test Rating:	AC 120V/60Hz
Product:	Universal Rear Speaker Kit (Transmitter)	Temp.(°C)/Hum.(%):	23.4(°C)/51%
Model No.:	NS-HURSK18	Test Engineer:	George Yang
Test Mode:	5840-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	34104.000	38.44	19.68	58.12	68.00	-9.88	peak			

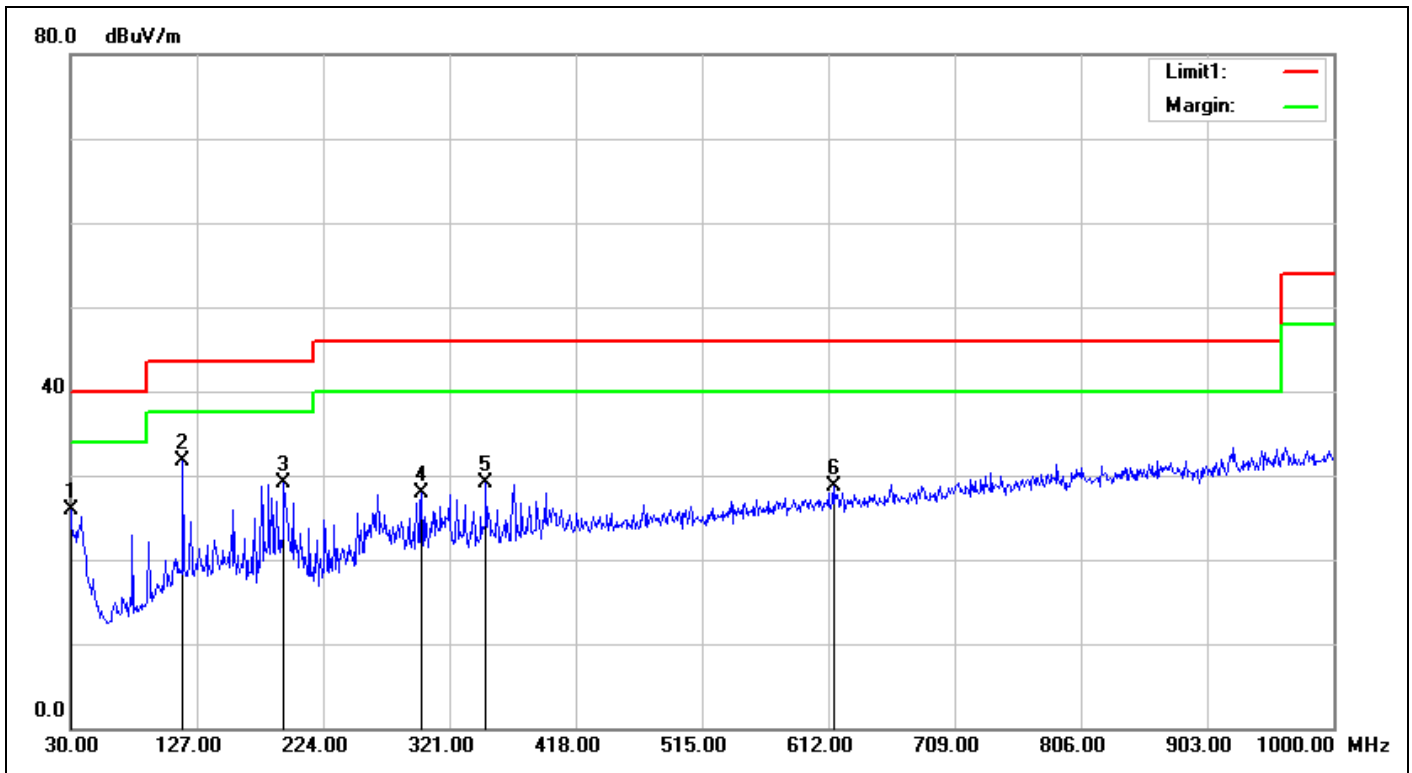
Spurious Emissions, TX Mode, 30M-1G



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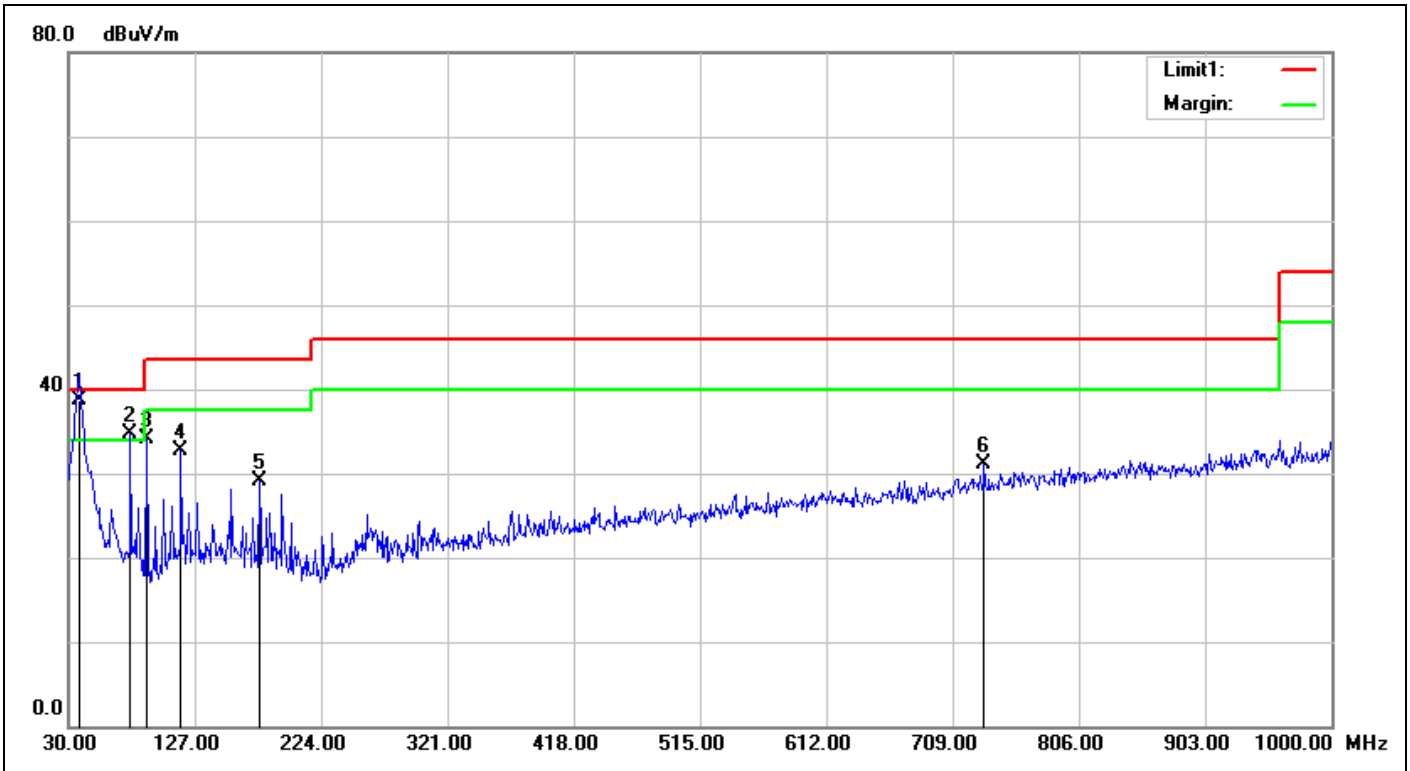
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Service No.:	114064405	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Horizontal
Test item:	Radiation Emission	Test Time:	2017/5/17 14:20:06
Applicant:	Meiloon	Test Rating:	AC 120V/60Hz
Product:	Universal Rear Speaker Kit (Transmitter)	Temp.(°C)/Hum.(%):	23.4(°C)/51%
Model No.:	NS-HURSK18	Test Engineer:	George Yang
Test Mode:	5775-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	-0.07	26.01	25.94	40.00	-14.06	QP	100	155	
2	116.3299	-7.64	39.32	31.68	43.50	-11.82	QP	100	115	
3	193.9299	-9.30	38.37	29.07	43.50	-14.43	QP	100	253	
4	299.6600	-4.48	32.31	27.83	46.00	-18.17	QP	100	224	
5	349.1298	-3.47	32.61	29.14	46.00	-16.86	QP	100	205	
6	615.8799	0.18	28.46	28.64	46.00	-17.36	QP	100	307	



Service No.:	114064405	Test Distance:	3m
Test Standard:	FCC Class B 3M Radiation	Ant. Polarization:	Vertical
Test item:	Radiation Emission	Test Time:	2017/5/17 14:21:10
Applicant:	Meiloon	Test Rating:	AC 120V/60Hz
Product:	Universal Rear Speaker Kit (Transmitter)	Temp.(°C)/Hum.(%):	23.4(°C)/51%
Model No.:	NS-HURSK18	Test Engineer:	George Yang
Test Mode:	5775-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	38.7300	-5.07	43.77	38.70	40.00	-1.30	QP	100	19	
2	77.5300	-12.22	46.99	34.77	40.00	-5.23	QP	100	117	
3	90.1400	-10.84	44.85	34.01	43.50	-9.49	QP	100	96	
4	116.3300	-7.64	40.31	32.67	43.50	-10.83	QP	100	152	
5	176.4700	-9.40	38.46	29.06	43.50	-14.44	QP	100	120	
6	733.2500	1.92	29.11	31.03	46.00	-14.97	QP	100	3	

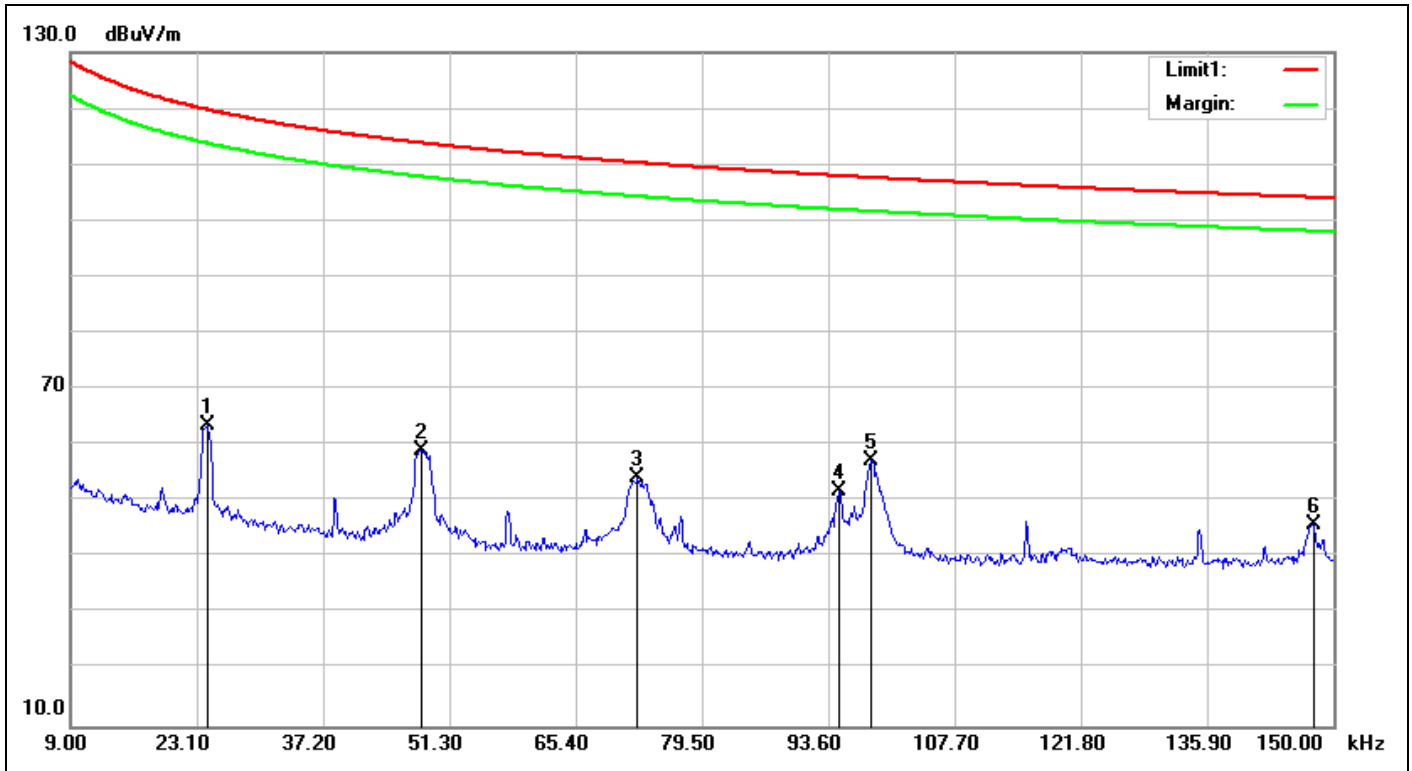
Spurious Emissions, TX Mode, 9K-30M



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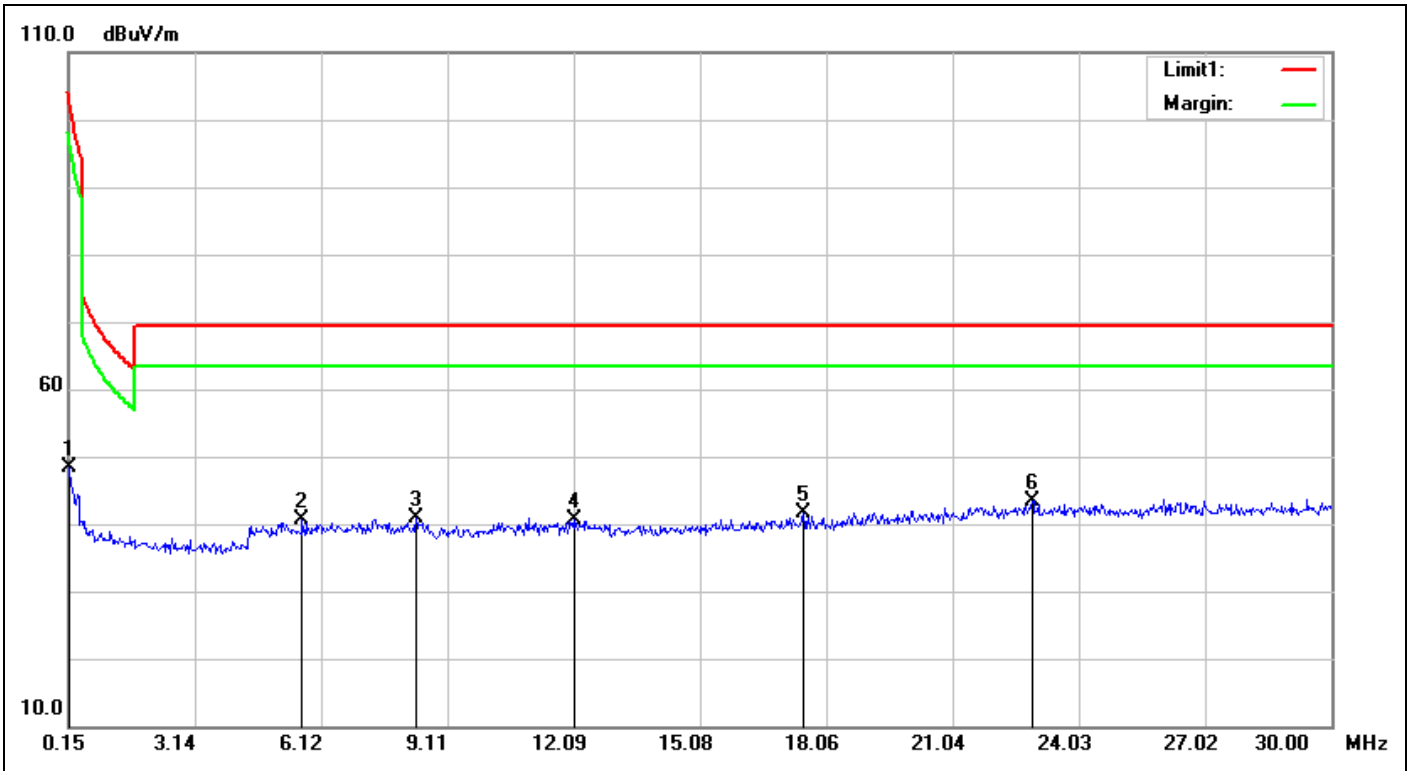
11F., No.758, Sec.4 Bade Road, Songshan Dist, Taipei City 105

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Service No.:	114064405	Test Distance:	3m
Test Standard:	FCC15.209_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/5/17 15:56:52
Applicant:	Meiloon	Test Rating:	AC 120V/60Hz
Product:	Universal Rear Speaker Kit (Transmitter)	Temp.(°C)/Hum.(%):	23.4(°C)/51%
Model No.:	NS-HURSK18	Test Engineer:	George Yang
Test Mode:	5775-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.0241	20.26	43.15	63.41	119.80	-56.39	QP	100	179	
2	0.0482	19.31	39.85	59.16	113.82	-54.66	QP	100	192	
3	0.0723	19.05	35.29	54.34	110.32	-55.98	QP	100	192	
4	0.0949	18.88	32.94	51.82	107.97	-56.15	QP	100	83	
5	0.0984	18.85	38.38	57.23	107.66	-50.43	QP	100	179	
6	0.1477	18.80	27.07	45.87	104.15	-58.28	QP	100	142	



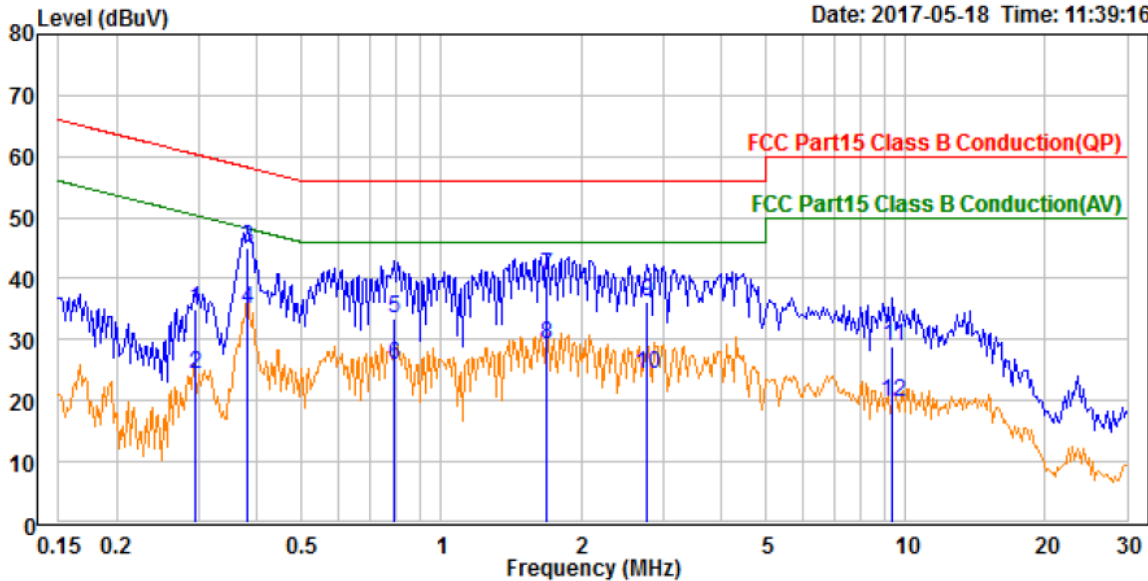
Service No.:	114064405	Test Distance:	3m
Test Standard:	FCC15.209_9k-1G_3m	Ant. Polarization:	
Test item:	Radiation Emission	Test Time:	2017/5/17 15:58:27
Applicant:	Meiloon	Test Rating:	AC 120V/60Hz
Product:	Universal Rear Speaker Kit (Transmitter)	Temp.(°C)/Hum.(%):	23.4(°C)/51%
Model No.:	NS-HURSK18	Test Engineer:	George Yang
Test Mode:	5775-TX		
Remark:			

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (°)	Remark
1	0.1799	18.77	29.51	48.28	102.47	-54.19	QP	100	210	
2	5.6723	19.71	20.84	40.55	69.50	-28.95	QP	100	359	
3	8.3588	20.13	20.63	40.76	69.50	-28.74	QP	100	83	
4	12.0900	20.63	19.88	40.51	69.50	-28.99	QP	100	176	
5	17.5227	21.27	20.24	41.51	69.50	-27.99	QP	100	192	
6	22.9255	21.77	21.56	43.33	69.50	-26.17	QP	100	293	

Mains Spurious Emissions

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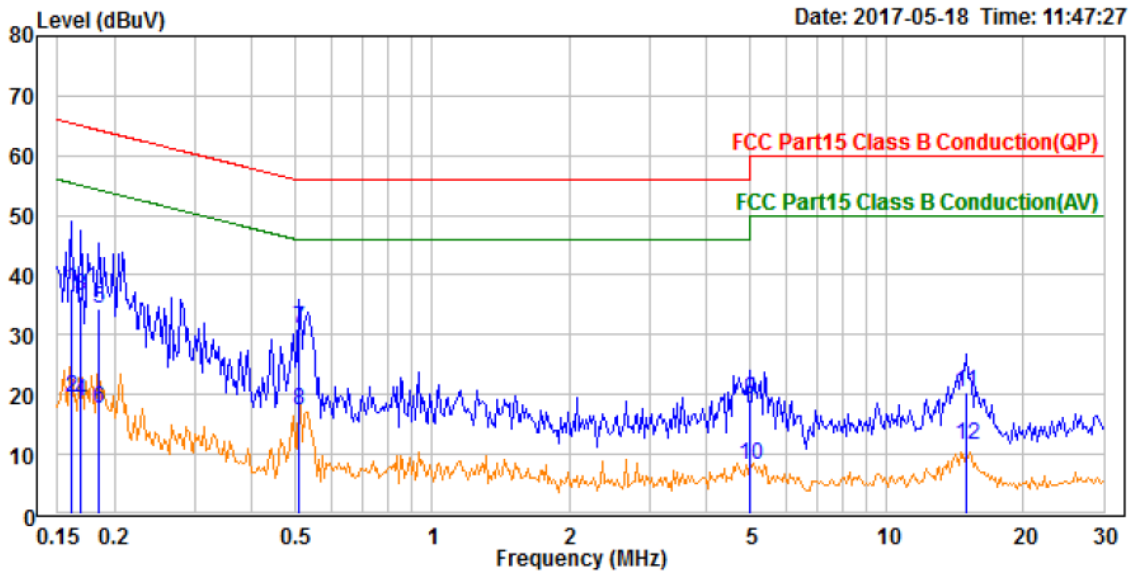


Trace: 1

Site : Conduction room
 Condition : FCC Part15 Class B Conduction(QP) line1
 Test Engineer: George Yang
 Applicant : Meiloon
 Product : Universal Rear Speaker Kit
 Model No. : NS-HURSK18
 Test Rating : 120Vac/60Hz
 Tmp/Hum : 24.7°C /42%
 Memo : TX Mains

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	
1	0.295	34.90	25.15	9.75	60.39	-25.49	QP
2	0.295	24.26	14.51	9.75	50.39	-26.13	Average
3	0.382	44.95	35.20	9.75	58.24	-13.29	QP
4	0.382	35.08	25.33	9.75	48.24	-13.16	Average
5	0.789	33.42	23.67	9.75	56.00	-22.58	QP
6	0.789	25.85	16.10	9.75	46.00	-20.15	Average
7	1.679	40.47	30.71	9.76	56.00	-15.53	QP
8	1.679	29.32	19.56	9.76	46.00	-16.68	Average
9	2.761	36.11	26.32	9.79	56.00	-19.89	QP
10	2.761	24.25	14.46	9.79	46.00	-21.75	Average
11	9.376	28.91	19.06	9.85	60.00	-31.09	QP
12	9.376	19.62	9.77	9.85	50.00	-30.38	Average

File: C:\EMC\Report\2017\Meiloon\114064405(NS-HURSK18)\114064405(NS-HURSK18)_00039.EMI



Trace: 1

Site : Conduction room
 Condition : FCC Part15 Class B Conduction(QP) line1
 Test Engineer: George Yang
 Applicant : Meiloon
 Product : Universal Rear Speaker Kit
 Model No. : NS-HURSK18
 Test Rating : 120Vac/60Hz
 Tmp/Hum : 24.7°C /42%
 Memo : RX Mains

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	Remark
	MHz	dBuV	dBuV	dB	dBuV	dB	
1	0.161	37.85	28.07	9.78	65.42	-27.57	QP
2	0.161	19.57	9.79	9.78	55.42	-35.85	Average
3	0.169	36.53	26.75	9.78	65.01	-28.48	QP
4	0.169	18.77	8.99	9.78	55.01	-36.24	Average
5	0.185	34.36	24.60	9.76	64.27	-29.91	QP
6	0.185	17.77	8.01	9.76	54.27	-36.50	Average
7	0.509	31.00	21.25	9.75	56.00	-25.00	QP
8	0.509	17.27	7.52	9.75	46.00	-28.73	Average
9	5.012	19.31	9.49	9.82	60.00	-40.69	QP
10	5.012	8.23	-1.59	9.82	50.00	-41.77	Average
11	14.960	20.35	10.43	9.92	60.00	-39.65	QP
12	14.960	11.61	1.69	9.92	50.00	-38.39	Average