

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Shonan EMC Lab. No.5 Shielded Room

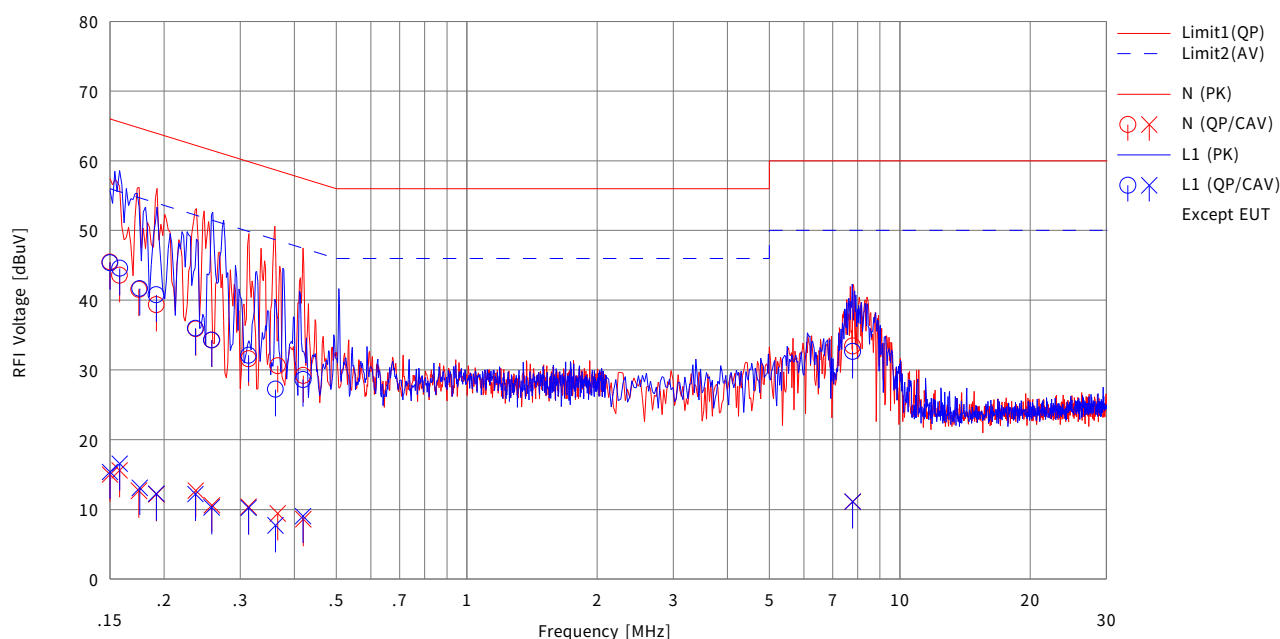
Date : 2020/07/08

Company : Foster Electric Company, Limited
 Kind of EUT : Bluetooth Headphone
 Model No. : KT001 WH 01
 Serial No. : 6
 Remarks : -

Mode : BT connection + Charge mode
 Order No. : 13163439S
 Power : AC 120 V / 60 Hz
 Temp./Humi. : 23 deg.C / 62 %RH

Limit : FCC_Part 15 Subpart B(15.107)_Class B

Engineer : Yasumasa Owaki



No.	Freq. [MHz]	Reading		C.Fac	Results		Limit		Margin		Phase	Comment
		<QP> [dBuV]	<CAV> [dBuV]		<QP> [dBuV]	<CAV> [dBuV]	<QP> [dBuV]	<AV> [dBuV]	<QP> [dB]	<AV> [dB]		
1	0.15000	32.90	2.40	12.58	45.48	14.98	66.00	56.00	20.5	41.0	N	
2	0.15787	31.00	3.00	12.58	43.58	15.58	65.58	55.58	22.0	40.0	N	
3	0.17503	29.00	0.10	12.57	41.57	12.67	64.72	54.72	23.1	42.0	N	
4	0.19199	26.80	-0.40	12.56	39.36	12.16	63.95	53.95	24.5	41.7	N	
5	0.23665	23.30	0.10	12.58	35.88	12.68	62.21	52.21	26.3	39.5	N	
6	0.25792	21.70	-2.00	12.58	34.28	10.58	61.50	51.50	27.2	40.9	N	
7	0.31350	19.00	-2.20	12.58	31.58	10.38	59.88	49.88	28.3	39.5	N	
8	0.36596	18.00	-3.20	12.59	30.59	9.39	58.59	48.59	28.0	39.2	N	
9	0.41935	16.60	-4.00	12.59	29.19	8.59	57.46	47.46	28.2	38.8	N	
10	7.78731	20.10	-2.20	13.33	33.43	11.13	60.00	50.00	26.5	38.8	N	
11	0.15000	32.80	2.80	12.56	45.36	15.36	66.00	56.00	20.6	40.6	L1	
12	0.15817	32.00	4.00	12.56	44.56	16.56	65.56	55.56	21.0	39.0	L1	
13	0.17573	29.10	0.50	12.56	41.66	13.06	64.69	54.69	23.0	41.6	L1	
14	0.19189	28.20	-0.30	12.56	40.76	12.26	63.95	53.95	23.1	41.6	L1	
15	0.23639	23.40	-0.40	12.57	35.97	12.17	62.22	52.22	26.2	40.0	L1	
16	0.25770	21.70	-2.30	12.57	34.27	10.27	61.51	51.51	27.2	41.2	L1	
17	0.31336	19.50	-2.40	12.60	32.10	10.20	59.88	49.88	27.7	39.6	L1	
18	0.36166	14.60	-4.90	12.61	27.21	7.71	58.69	48.69	31.4	40.9	L1	
19	0.41901	16.00	-3.60	12.61	28.61	9.01	57.47	47.47	28.8	38.4	L1	
20	7.78571	19.40	-2.10	13.23	32.63	11.13	60.00	50.00	27.3	38.8	L1	

Calculation: Result[dBuV] = Reading[dBuV] + C.Fac(LISN(AMN) + Cable + ATT)[dB]

LISN(AMN) = SLS-02

DATA OF CONDUCTED EMISSION TEST

UL Japan, Inc. Shonan EMC Lab. No.1 Shielded Room

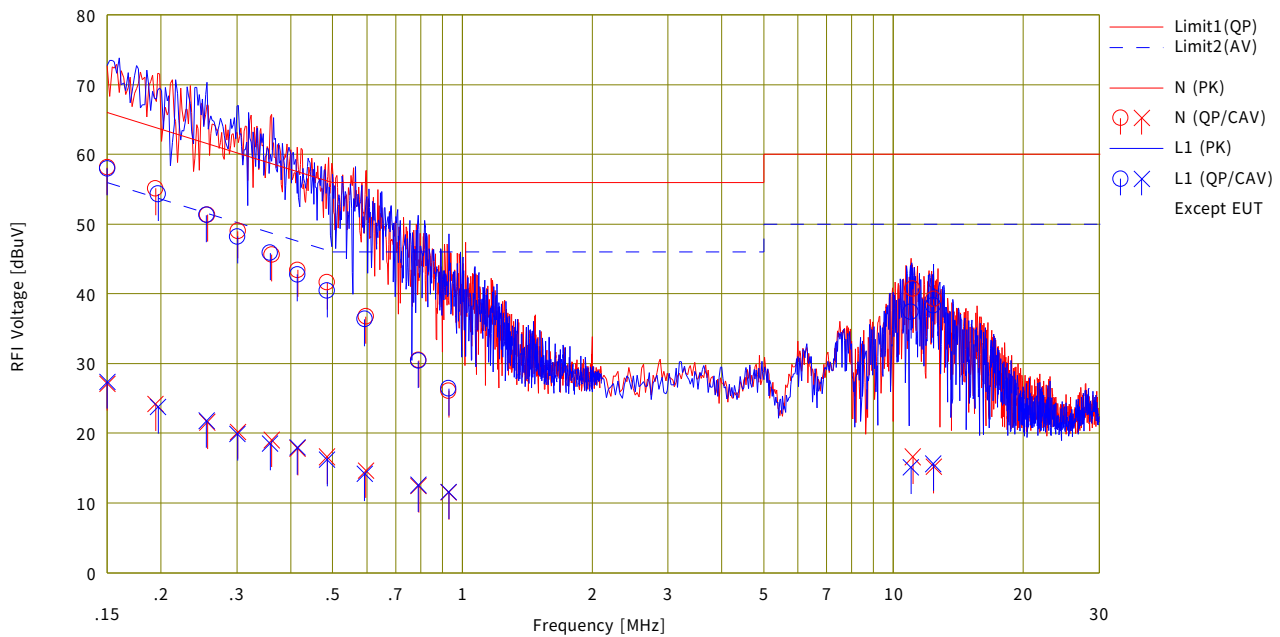
Date : 2020/07/04

Company : Foster Electric Company, Limited
 Kind of EUT : Bluetooth Headphone
 Model No. : KT001 WH 01
 Serial No. : 6
 Remarks : -

Mode : BT connection + Charge mode
 Order No. : 13163439S
 Power : AC 240 V / 60 Hz
 Temp./Humi. : 24 deg.C / 61 %RH

Limit : FCC_Part 15 Subpart B(15.107)_Class B

Engineer : Shunsaku Yumi



No.	Freq. [MHz]	Reading		C.Fac [dB]	Results		Limit		Margin		Phase	Comment
		<QP> [dBuV]	<CAV> [dBuV]		<QP> [dBuV]	<CAV> [dBuV]	<QP> [dBuV]	<AV> [dBuV]	<QP> [dB]	<AV> [dB]		
1	0.15000	45.50	14.50	12.60	58.10	27.10	66.00	56.00	7.9	28.9	N	
2	0.19444	42.50	11.60	12.59	55.09	24.19	63.84	53.84	8.7	29.6	N	
3	0.25612	38.70	9.00	12.61	51.31	21.61	61.56	51.56	10.2	29.9	N	
4	0.30148	36.40	7.60	12.60	49.00	20.20	60.20	50.20	11.2	30.0	N	
5	0.36151	33.00	6.40	12.62	45.62	19.02	58.69	48.69	13.0	29.6	N	
6	0.41468	30.80	5.20	12.62	43.42	17.82	57.55	47.55	14.1	29.7	N	
7	0.48519	29.00	4.00	12.63	41.63	16.63	56.25	46.25	14.6	29.6	N	
8	0.59725	24.10	2.00	12.64	36.74	14.64	56.00	46.00	19.2	31.3	N	
9	0.79152	17.80	-0.20	12.67	30.47	12.47	56.00	46.00	25.5	33.5	N	
10	0.93012	13.40	-1.20	12.68	26.08	11.48	56.00	46.00	29.9	34.5	N	
11	11.09019	27.00	2.90	13.72	40.72	16.62	60.00	50.00	19.2	33.3	N	
12	12.39925	25.40	1.40	13.83	39.23	15.23	60.00	50.00	20.7	34.7	N	
13	0.15000	45.40	14.80	12.58	57.98	27.38	66.00	56.00	8.0	28.6	L1	
14	0.19696	41.70	11.20	12.59	54.29	23.79	63.74	53.74	9.4	29.9	L1	
15	0.25490	38.70	9.20	12.59	51.29	21.79	61.60	51.60	10.3	29.8	L1	
16	0.30094	35.60	7.30	12.61	48.21	19.91	60.22	50.22	12.0	30.3	L1	
17	0.35809	33.20	5.90	12.64	45.84	18.54	58.77	48.77	12.9	30.2	L1	
18	0.41419	30.10	5.30	12.64	42.74	17.94	57.56	47.56	14.8	29.6	L1	
19	0.48583	27.80	3.60	12.65	40.45	16.25	56.24	46.24	15.7	29.9	L1	
20	0.59336	23.70	1.50	12.67	36.37	14.17	56.00	46.00	19.6	31.8	L1	
21	0.79060	17.70	-0.10	12.68	30.38	12.58	56.00	46.00	25.6	33.4	L1	
22	0.93033	13.70	-1.10	12.69	26.39	11.59	56.00	46.00	29.6	34.4	L1	
23	10.99056	23.90	1.60	13.52	37.42	15.12	60.00	50.00	22.5	34.8	L1	
24	12.37264	24.70	2.00	13.63	38.33	15.63	60.00	50.00	21.6	34.3	L1	

Calculation: Result[dBuV] = Reading[dBuV] + C.Fac(LISN(AMN) + Cable + ATT)[dB]

LISN(AMN) = SLS-02

DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Shonan EMC Lab. No.1 Semi-Anechoic Chamber

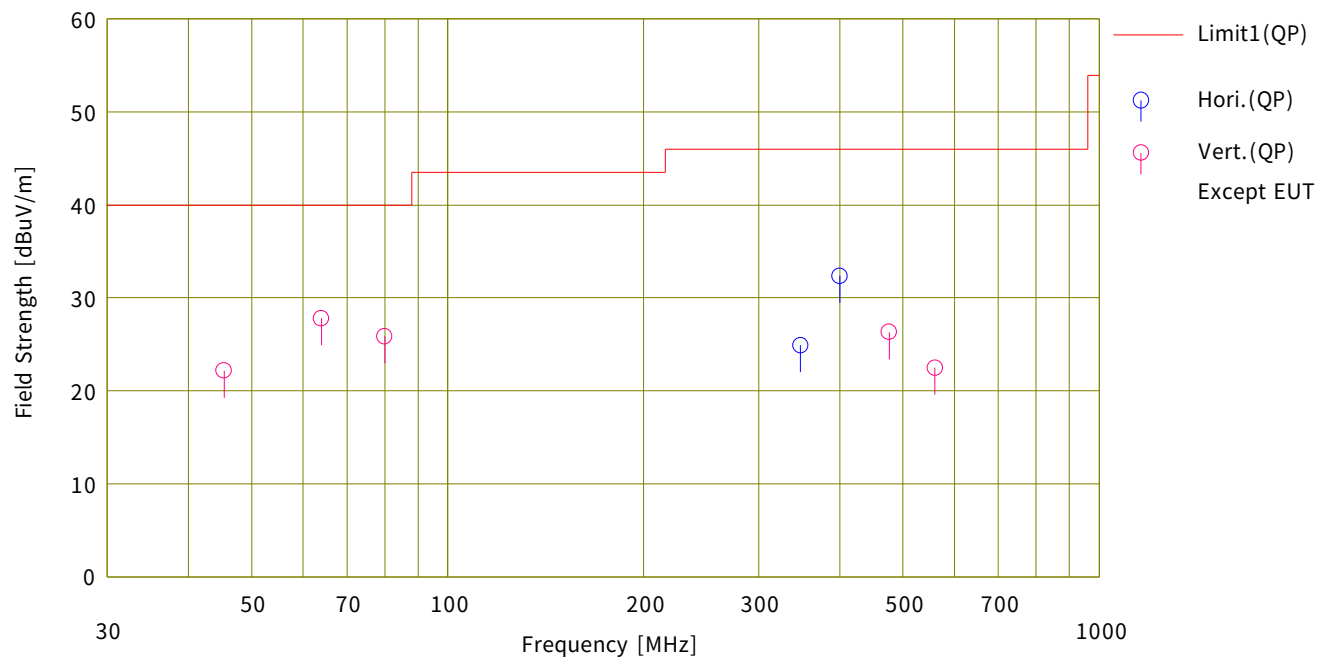
Date : 2020/07/03

Company : Foster Electric Company, Limited
 Kind of EUT : Bluetooth Headphone
 Model No. : KT001 WH 01
 Serial No. : 6
 Remarks : Axis:Hori=X,Vert=X

Mode : BT connection + Charge mode
 Order No. : 13163439S
 Power : AC 120 V / 60 Hz
 Temp./Humi. : 23 deg.C / 63 %RH

Limit : FCC_Part 15 Subpart B(15.109)_Class B

Engineer : Shunsaku Yumi



No.	Freq. [MHz]	Reading <QP> [dBuV]	Ant.Fac [dB/m]	Loss [dB]	Gain [dB]	S.Fac [dB]	Result <QP> [dBuV/m]	Limit <QP> [dBuV/m]	Margin <QP> [dB]	Pola. [H/V]	Height [cm]	Angle [deg]	Ant. Type	Comment
1	348.002	34.80	15.01	6.87	31.80	0.00	24.88	46.00	21.1	Hori.	100	18	LP	
2	400.000	41.30	15.70	7.20	31.86	0.00	32.34	46.00	13.6	Hori.	100	192	LP	
3	45.324	33.70	12.90	7.42	31.83	-0.02	22.17	40.00	17.8	Vert.	100	2	BC	
4	63.999	44.98	7.42	7.69	31.83	-0.47	27.79	40.00	12.2	Vert.	100	319	BC	
5	80.002	42.90	6.40	7.92	31.82	0.45	25.85	40.00	14.1	Vert.	112	309	BC	
6	475.999	33.53	17.10	7.62	31.94	0.00	26.31	46.00	19.6	Vert.	128	121	LP	
7	559.999	28.40	18.09	8.07	32.09	0.00	22.47	46.00	23.5	Vert.	100	186	LP	

Calculation: Result[dBuV/m]=Reading[dBuV]+Ant.Fac[dB/m]+Loss(Cable+ATT)[dB]-Gain(AMP)[dB]+S.Fac(ΔAF)[dB]

Ant.Type=BC:Biconical Antenna LP:Logperiodic Antenna **SH*: Horn Antenna

DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Shonan EMC Lab. No.1 Semi-Anechoic Chamber

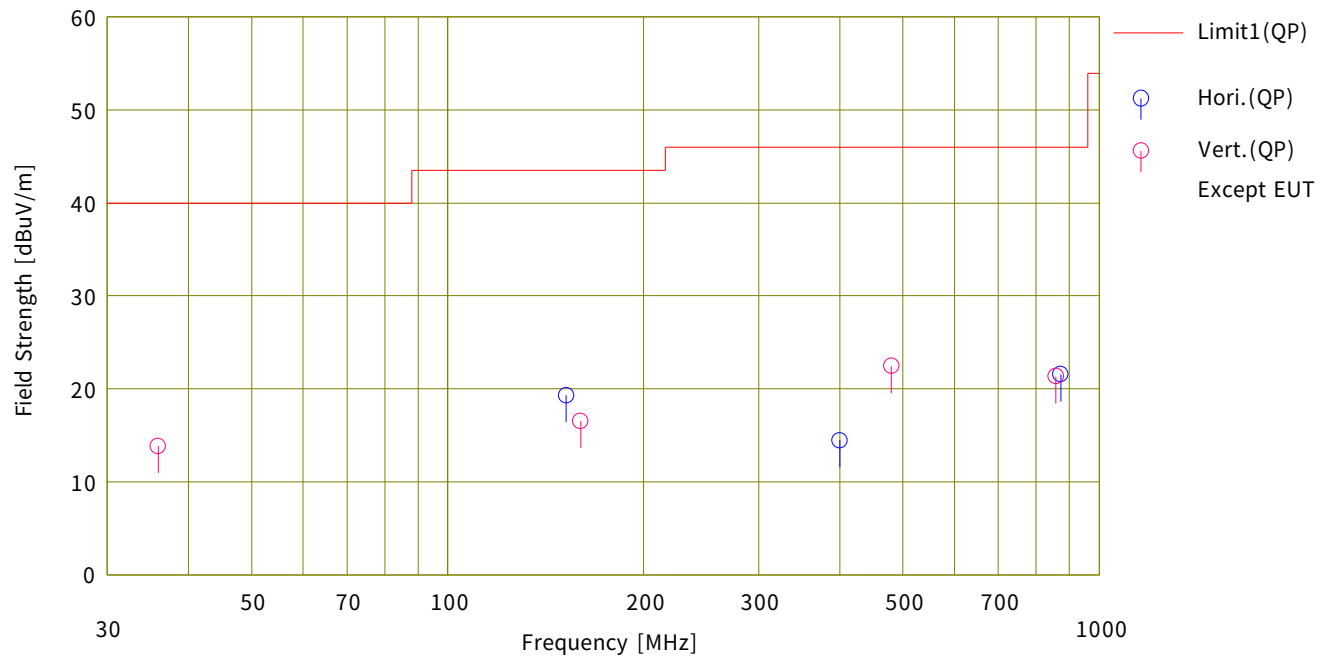
Date : 2020/07/03

Company : Foster Electric Company, Limited
 Kind of EUT : Bluetooth Headphone
 Model No. : KT001 WH 01
 Serial No. : 6
 Remarks : Axis:Hori=X,Vert=X

Mode : BT connection mode
 Order No. : 13163439S
 Power : DC 3.2 V(Battery)
 Temp./Humi. : 23 deg.C / 63 %RH

Limit : FCC_Part 15 Subpart B(15.109)_Class B

Engineer : Shunsaku Yumi



No.	Freq. [MHz]	Reading <QP>	Ant.Fac [dB/m]	Loss [dB]	Gain [dB]	S.Fac [dB]	Result <QP>	Limit <QP>	Margin <QP>	Pola. [H/V]	Height [cm]	Angle [deg]	Ant. Type	Comment
		[dBuV]					[dBuV/m]	[dBuV/m]	[dB]					
1	151.998	27.26	14.96	8.73	31.78	0.12	19.29	43.50	24.2	Hori.	133	216	BC	
2	400.003	23.40	15.70	7.20	31.86	0.00	14.44	46.00	31.5	Hori.	100	266	LP	
3	873.558	21.70	21.94	9.53	31.61	0.00	21.56	46.00	24.4	Hori.	100	68	LP	
4	35.925	22.10	16.39	7.26	31.83	-0.08	13.84	40.00	26.1	Vert.	100	56	BC	
5	159.999	24.20	15.19	8.80	31.78	0.12	16.53	43.50	26.9	Vert.	100	128	BC	
6	480.004	29.52	17.22	7.64	31.94	0.00	22.44	46.00	23.5	Vert.	100	165	LP	
7	858.236	21.90	21.66	9.46	31.68	0.00	21.34	46.00	24.6	Vert.	109	264	LP	

Calculation: Result[dBuV/m]=Reading[dBuV]+Ant.Fac[dB/m]+Loss(Cable+ATT)[dB]-Gain(AMP)[dB]+S.Fac(ΔAF)[dB]

Ant.Type=BC:Biconical Antenna LP:Logperiodic Antenna **SH*: Horn Antenna

DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Shonan EMC Lab. No.1 Semi-Anechoic Chamber

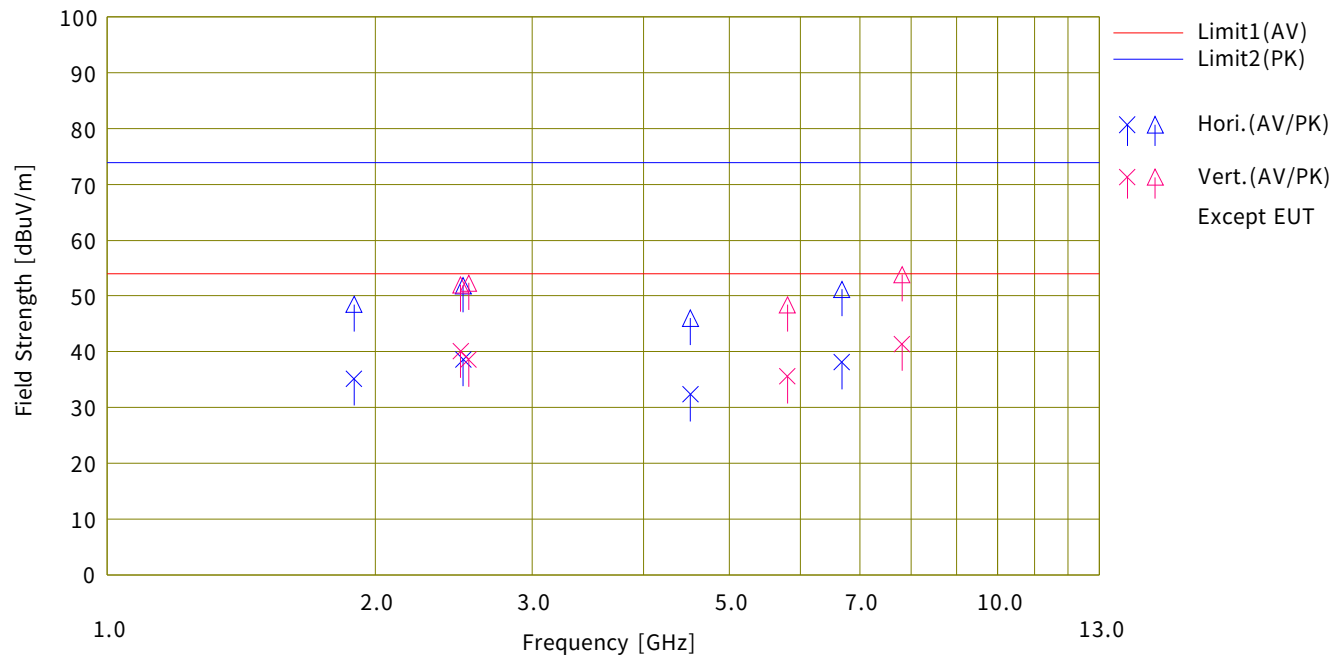
Date : 2020/07/03

Company : Foster Electric Company, Limited
 Kind of EUT : Bluetooth Headphone
 Model No. : KT001 WH 01
 Serial No. : 6
 Remarks : Axis:Hori=X,Vert=X, Test Distance=380 cm

Mode : BT connection + Charge mode
 Order No. : 13163439S
 Power : AC 120 V / 60 Hz
 Temp./Humi. : 23 deg.C / 63 %RH

Limit : FCC_Part 15 Subpart B(15.109)_Class B

Engineer : Shunsaku Yumi



No.	Freq. [MHz]	Reading		Ant.Fac [dB/m]	Loss [dB]	Gain [dB]	D.Fac [dB]	Result		Limit		Margin		Pola. [H/V]	Height [cm]	Angle [deg]	Ant. Type	Comment
		<AV> [dBuV]	<PK> [dBuV]					<AV> [dBuV/m]	<PK> [dBuV/m]	<AV> [dBuV/m]	<PK> [dBuV/m]	<AV> [dB]	<PK> [dB]					
1	1893.691	32.96	46.29	25.54	13.97	39.38	2.06	35.15	48.48	53.90	73.90	18.7	25.4	Hori.	100	0	31SH1	
2	2510.311	33.70	46.92	27.83	14.61	39.59	2.06	38.61	51.83	53.90	73.90	15.2	22.0	Hori.	100	331	31SH1	
3	4519.440	32.52	46.19	30.73	6.82	39.78	2.06	32.35	46.02	53.90	73.90	21.5	27.8	Hori.	100	0	31SH1	
4	6682.816	32.82	45.89	34.59	8.32	39.70	2.06	38.09	51.16	53.90	73.90	15.8	22.7	Hori.	100	0	31SH1	
5	2495.038	35.21	47.03	27.83	14.60	39.59	2.06	40.11	51.93	53.90	73.90	13.7	21.9	Vert.	252	347	31SH1	
6	2546.785	33.60	47.37	27.82	14.64	39.59	2.06	38.53	52.30	53.90	73.90	15.3	21.6	Vert.	292	352	31SH1	
7	5807.832	32.95	45.80	32.84	7.69	39.98	2.06	35.56	48.41	53.90	73.90	18.3	25.4	Vert.	100	0	31SH1	
8	7807.947	32.73	45.18	36.89	9.01	39.33	2.06	41.36	53.81	53.90	73.90	12.5	20.0	Vert.	100	0	31SH1	

Calculation: Result[dBuV/m] = Reading[dBuV] + Ant.Fac[dB/m] + Loss(Cable+ATT or HPF)[dB] + D.Fac[dB] - Gain(AMP)[dB]

Ant.Type=BC:Biconical Antenna LP:Logperiodic Antenna **SH*: Horn Antenna

DATA OF RADIATED EMISSION TEST

UL Japan, Inc. Shonan EMC Lab. No.1 Semi-Anechoic Chamber

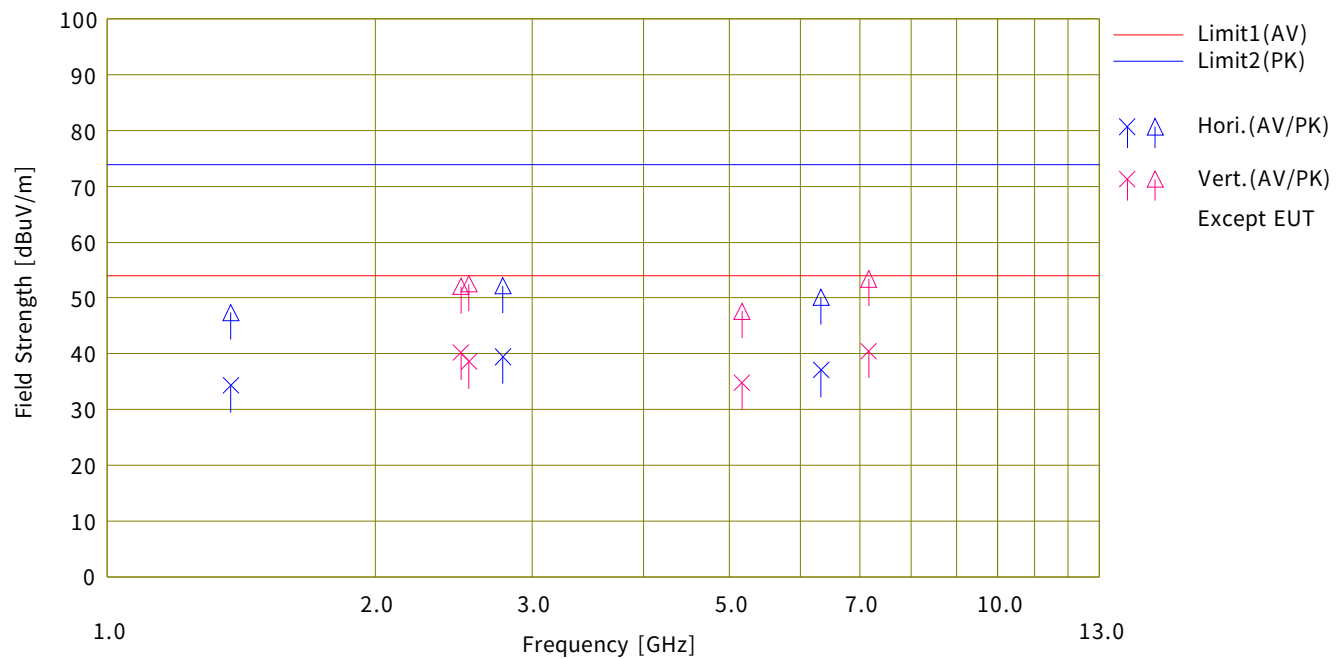
Date : 2020/07/03

Company : Foster Electric Company, Limited
 Kind of EUT : Bluetooth Headphone
 Model No. : KT001 WH 01
 Serial No. : 6
 Remarks : Axis:Hori=X,Vert=X, Test Distance=387 cm

Mode : BT connection mode
 Order No. : 13163439S
 Power : DC 3.2 V(Battery)
 Temp./Humi. : 23 deg.C / 63 %RH

Limit : FCC_Part 15 Subpart B(15.109)_Class B

Engineer : Shunsaku Yumi



No.	Freq. [MHz]	Reading		Ant.Fac [dB/m]	Loss [dB]	Gain [dB]	D.Fac [dB]	Result		Limit		Margin		Pola. [H/V]	Height [cm]	Angle [deg]	Ant. Type	Comment
		<AV> [dBuV]	<PK> [dBuV]					<AV> [dBuV/m]	<PK> [dBuV/m]	<AV> [dBuV/m]	<PK> [dBuV/m]	<AV> [dB]	<PK> [dB]					
1	1376.646	32.58	45.63	25.35	13.37	39.24	2.22	34.28	47.33	53.90	73.90	19.6	26.5	Hori.	100	0	31SH1	
2	2782.376	33.70	46.42	28.24	14.86	39.58	2.22	39.44	52.16	53.90	73.90	14.4	21.7	Hori.	100	0	31SH1	
3	6333.817	32.92	45.93	33.81	8.06	39.96	2.22	37.05	50.06	53.90	73.90	16.8	23.8	Hori.	100	0	31SH1	
4	2496.100	35.12	46.98	27.83	14.60	39.59	2.22	40.18	52.04	53.90	73.90	13.7	21.8	Vert.	298	354	31SH1	
5	2548.581	33.45	47.39	27.82	14.64	39.59	2.22	38.54	52.48	53.90	73.90	15.3	21.4	Vert.	322	345	31SH1	
6	5162.577	32.76	45.59	32.22	7.28	39.72	2.22	34.76	47.59	53.90	73.90	19.1	26.3	Vert.	100	0	31SH1	
7	7164.588	32.23	45.14	36.83	8.65	39.49	2.22	40.44	53.35	53.90	73.90	13.4	20.5	Vert.	100	0	31SH1	

Calculation: Result[dBuV/m] = Reading[dBuV] + Ant.Fac[dB/m] + Loss(Cable+ATT or HPF)[dB] + D.Fac[dB] - Gain(AMP)[dB]

Ant.Type=BC:Biconical Antenna LP:Logperiodic Antenna **SH*: Horn Antenna

APPENDIX 3

Test Instruments

EMI test equipment

Test Name	Local ID	LIMS ID	Description	Manufacturer	Model	Serial	Last Calibration Date	Calibration Interval (Month)
CE	KTS-07	145111	Digital Tester	SANWA	PC500	7019232	2019/10/01	12
CE	SAT3-13	150923	Attenuator	JFW	50HF-003N	-	2020/01/30	12
CE	SCC-05	145033	Coaxial Cable	Fujikura,HP,Mini-Circuits,Fujikura	5D2W	-	2020/04/17	12
CE	SCC-A12/A13/SRS E-01	144966	Coaxial Cable&RF Selector	Suhner/Suhner/TOYO	RG223U/141PE/NS4906	-/0901-269(RF Selector)	2020/04/12	12
CE	SJM-09	145336	Measure	PROMART	SEN1935	-	-	-
CE	SLS-02	145539	LISN	Rohde & Schwarz	ENV216	100512	2020/02/18	12
CE	SOS-16	167990	Humidity Indicator	CUSTOM	CTH-202	708Q08R	2019/12/19	12
CE	SOS-27	191845	Humidity Indicator	CUSTOM	CTH-201	-	2019/12/12	12
CE	STR-06	146208	Test Receiver	Rohde & Schwarz	ESCI	101259	2020/04/01	12
CE,RE	COTS-SEMI-5	170932	EMI Software	TSJ (Techno Science Japan)	TEPTO-DV3(RE,CE,ME,PE)	-	-	-
CE,RE	KJM-09	145929	Measure	KOMELON	KMC-36	-	-	-
CE,RE	STR-07	146209	Test Receiver	Rohde & Schwarz	ESU26	100484	2019/09/13	12
CE,RE	STS-01	145792	Digital Hitester	Hioki	3805-50	80997812	2019/10/01	12
RE	KAT6-04	144899	Attenuator	Inmet	18N-6dB	-	2019/12/05	12
RE	SAEC-01(NSA)	145597	Semi-Anechoic Chamber	TDK	SAEC-01(NSA)	1	2020/04/08	12
RE	SAEC-01(SVSWR)	145561	Semi-Anechoic Chamber	TDK	SAEC-01(SVSWR)	1	2020/05/04	12
RE	SAF-01	145003	Pre Amplifier	SONOMA	310N	290211	2020/02/19	12
RE	SAF-04	145127	Pre Amplifier	Toyo Corporation	TPA0118-36	2072554	2020/06/02	12
RE	SAT10-05	145136	Attenuator(above1GHz)	Keysight Technologies Inc	8493C-010	74864	2019/11/06	12
RE	SAT3-09	144959	Attenuator	JFW	50HF-003N	-	2019/08/06	12
RE	SBA-01	145161	Biconical Antenna	Schwarzbeck Mess - Elektronik	BBA9106	91032664	2020/04/04	12
RE	SCC-A1/A3/A5/A7/A8/A13/SRSE-01	144967	Coaxial Cable&RF Selector	Fujikura/Fujikura/Suhner/Suhner/Suhner/TOYO	8D2W/12DSFA/141PE/141PE/141PE/NS4906	-/0901-269(RF Selector)	2020/04/12	12
RE	SCC-A2/A4/A6/A7/A8/A13/SRSE-01	144968	Coaxial Cable&RF Selector	Fujikura/Fujikura/Suhner/Suhner/Suhner/TOYO	8D2W/12DSFA/141PE/141PE/141PE/NS4906	-/0901-269(RF Selector)	2020/04/12	12
RE	SCC-G05	145039	Coaxial Cable	Junkosha	J12J102207-00	APR-30-15-037	2020/01/31	12
RE	SCC-G56	179539	Coaxial Cable	Huber+Suhner	SUCOFLEX 104	803289/4	-	-
RE	SFL-18	145305	Highpass Filter	MICRO-TRONICS	HPM50111	119	2020/04/03	12
RE	SHA-01	145383	Horn Antenna	Schwarzbeck Mess - Elektronik	BBHA9120D	9120D-725	2020/05/27	12
RE	SLA-05	145527	Logperiodic Antenna	Schwarzbeck Mess - Elektronik	VUSLP9111B	193	2020/04/04	12
RE	SOS-01	146316	Humidity Indicator	A&D Company	AD-5681	4062555	-	-

*Hyphens for Last Calibration Date and Cal Int (month) are instruments that Calibration is not required (e.g. software), or instruments checked in advance before use.

The expiration date of the calibration is the end of the expired month.

As for some calibrations performed after the tested dates, those test equipment have been controlled by means of an unbroken chains of calibrations.

All equipment is calibrated with valid calibrations. Each measurement data is traceable to the national or international standards

Test Item:

CE: Conducted emission,

RE: Radiated emission

End of Report