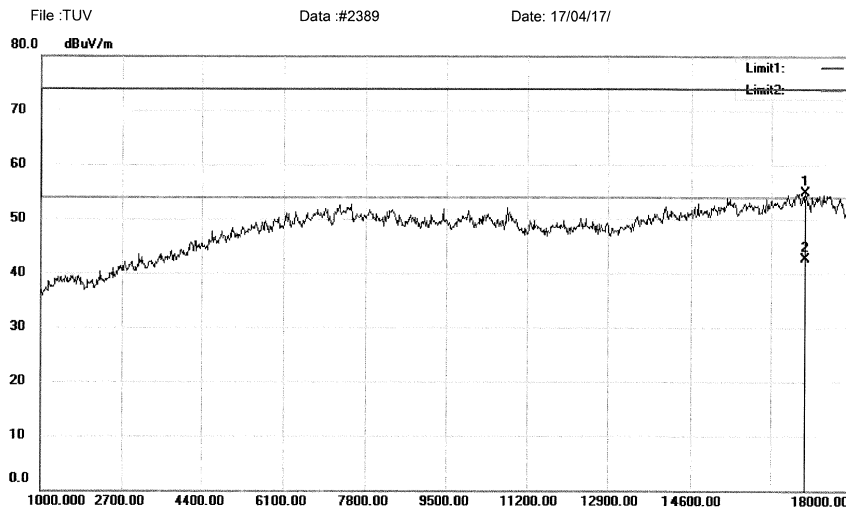


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Radiated Emission Measurement


Site: 3m Chamber #1 Polarization: **Vertical** Temperature: 22 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 55 %
 EUT: Bluetooth Stereo Speaker
 M/N: NS-CSPBTWP1
 Mode: 8DPSK(2441MHz)
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		17014.00	37.84	17.00	54.84	74.00	-19.16	peak			
2	*	17014.00	25.68	17.00	42.68	54.00	-11.32	AVG			

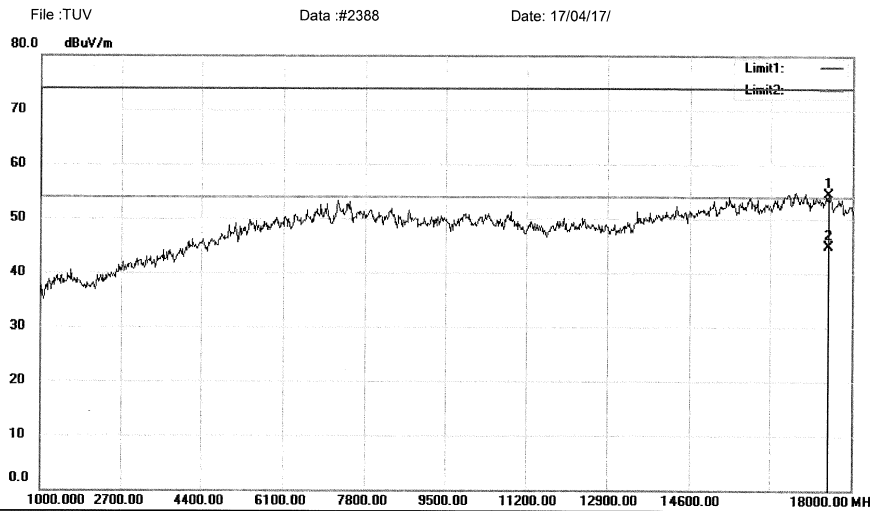
*:Maximum data x:Over limit !:over margin

Operator:

File: TUVData #2389

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Radiated Emission Measurement


Site: 3m Chamber #1 Polarization: **Horizontal** Temperature: 22 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 55 %
 EUT: Bluetooth Stereo Speaker
 M/N: NS-CSPBTWP1
 Mode:8DPSK(2480MHz)
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		17507.00	36.78	17.70	54.48	74.00	-19.52	peak			
2	*	17507.00	27.17	17.70	44.87	54.00	-9.13	AVG			

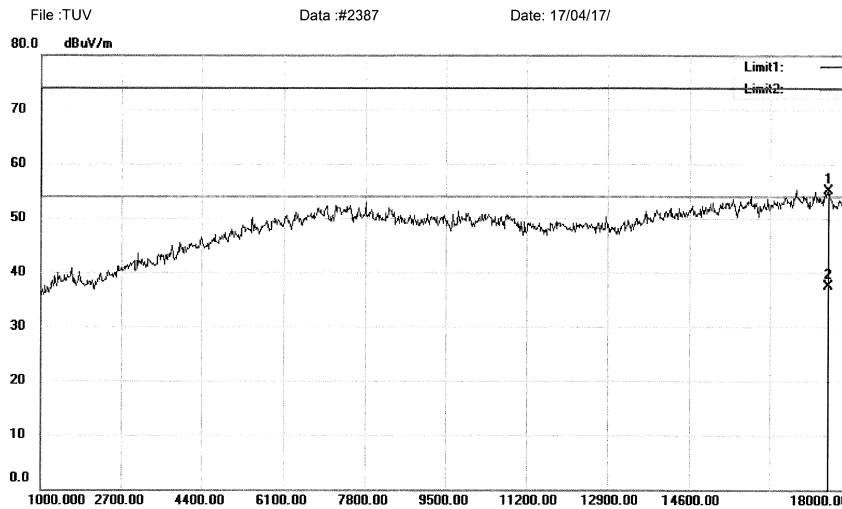
*:Maximum data x:Over limit !:over margin

Operator:

File :TUVData :#2388

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Radiated Emission Measurement


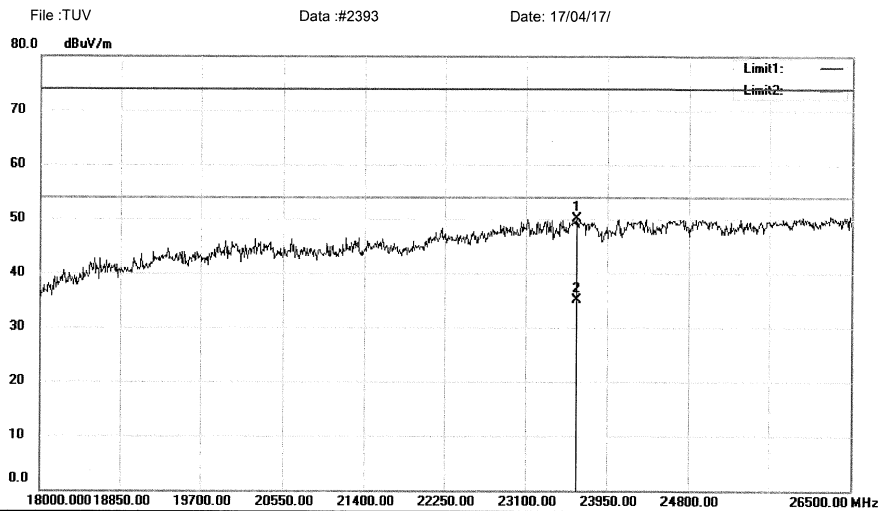
Site: 3m Chamber #1 Polarization: **Vertical** Temperature: 22 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 55 %
 EUT: Bluetooth Stereo Speaker
 M/N: NS-CSPBTWP1
 Mode: 8DPSK(2480MHz)
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		17507.00	37.39	17.70	55.09	74.00	-18.91	peak			
2	*	17507.00	19.80	17.70	37.50	54.00	-16.50	AVG			

*:Maximum data x:Over limit !:over margin

Operator:

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Radiated Emission Measurement


Site: 3m Chamber #1 Polarization: **Horizontal** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Bluetooth Stereo Speaker
 M/N: NS-CSPBTWP1
 Mode: 8DPSK(2402MHz)
 Note:

No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm
1	23627.00	87.69	-37.52	50.17	74.00	-23.83	peak	0
2 *	23627.00	72.72	-37.52	35.20	54.00	-18.80	AVG	0

*:Maximum data x:Over limit !:over margin

Operator: KK

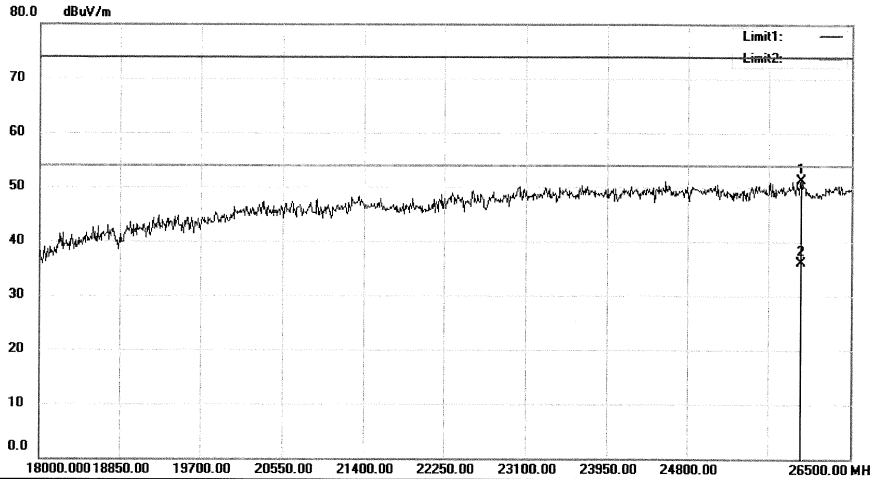
File: TUVData: #2393

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Radiated Emission Measurement

File:TUV Data:#2394 Date:17/04/17/



Site 3m Chamber #1 Polarization: **Vertical** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Bluetooth Stereo Speaker
 M/N: NS-CSPBTWP1
 Mode:8DPSK(2402MHz)
 Note:

No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm
1	25981.50	87.18	-35.81	51.37	74.00	-22.63	peak	0
2 *	25981.50	71.91	-35.81	36.10	54.00	-17.90	AVG	0

*:Maximum data x:Over limit !:over margin

Operator: KK

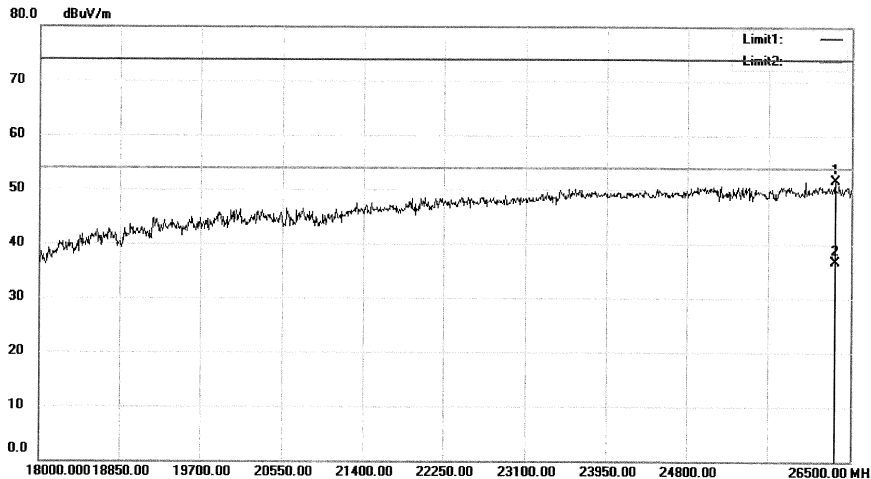
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Radiated Emission Measurement

File :TUV Data :#2395 Date: 17/04/17/



Site: 3m Chamber #1 Polarization: *Horizontal* Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Bluetooth Stereo Speaker
 M/N: NS-CSPBTWP1
 Mode:8DPSK(2441MHz)
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	
1		26330.00	87.04	-35.39	51.65	74.00	-22.35	peak	0	
2	*	26330.00	72.09	-35.39	36.70	54.00	-17.30	AVG	0	

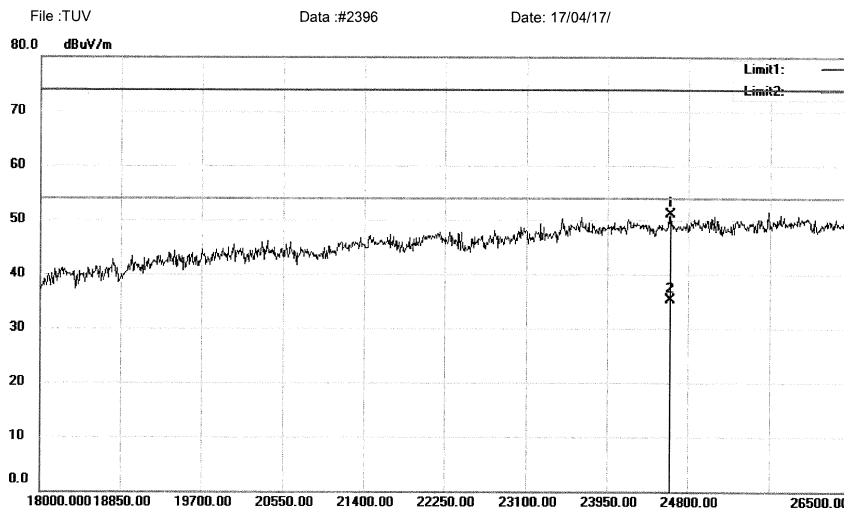
*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUVData :#2395

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Radiated Emission Measurement


Site: 3m Chamber #1 Polarization: **Vertical** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Bluetooth Stereo Speaker
 M/N: NS-CSPBTWP1
 Mode: 8DPSK(2441MHz)
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		24613.00	88.10	-37.06	51.04	74.00	-22.96	peak		0	
2	*	24613.00	72.46	-37.06	35.40	54.00	-18.60	AVG		0	

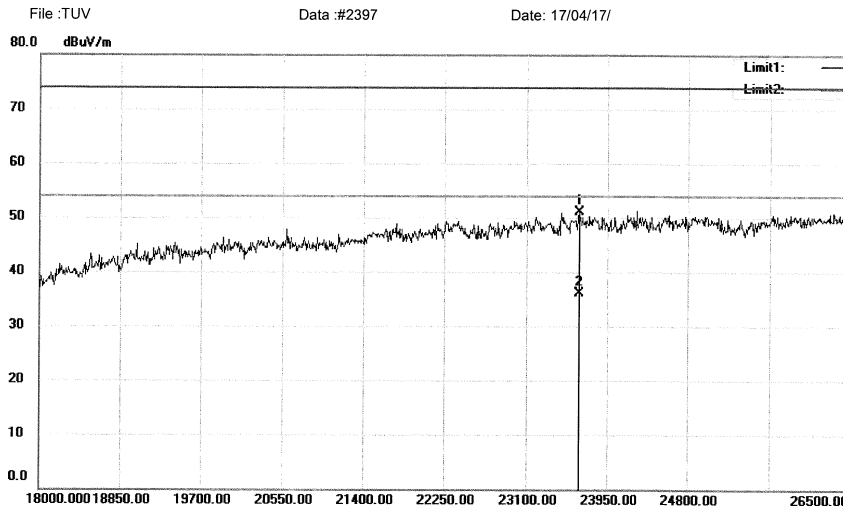
*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUVData :#2396

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Radiated Emission Measurement


Site: 3m Chamber #1 Polarization: **Horizontal** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Bluetooth Stereo Speaker
 M/N: NS-CSPBTWP1
 Mode: 8DPSK(2480MHz)
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		23644.00	88.54	-37.50	51.04	74.00	-22.96	peak		0	
2	*	23644.00	73.60	-37.50	36.10	54.00	-17.90	AVG		0	

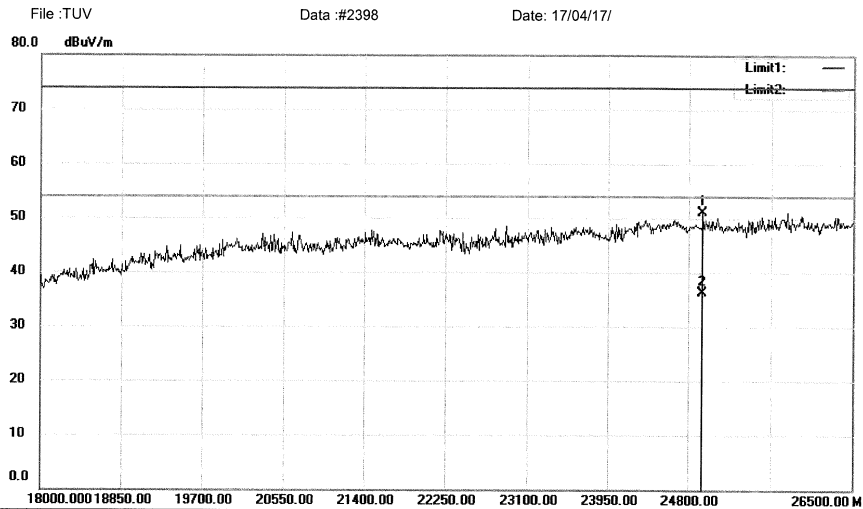
*:Maximum data x:Over limit !:over margin

Operator: KK

File: TUVData #2397

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Radiated Emission Measurement


Site: 3m Chamber #1 Polarization: **Vertical** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Bluetooth Stereo Speaker
 M/N: NS-CSPBTWP1
 Mode: 8DPSK(2480MHz)
 Note:

No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector cm	degree
1	24944.50	88.10	-37.02	51.08	74.00	-22.92	peak	0
2 *	24944.50	73.42	-37.02	36.40	54.00	-17.60	AVG	0

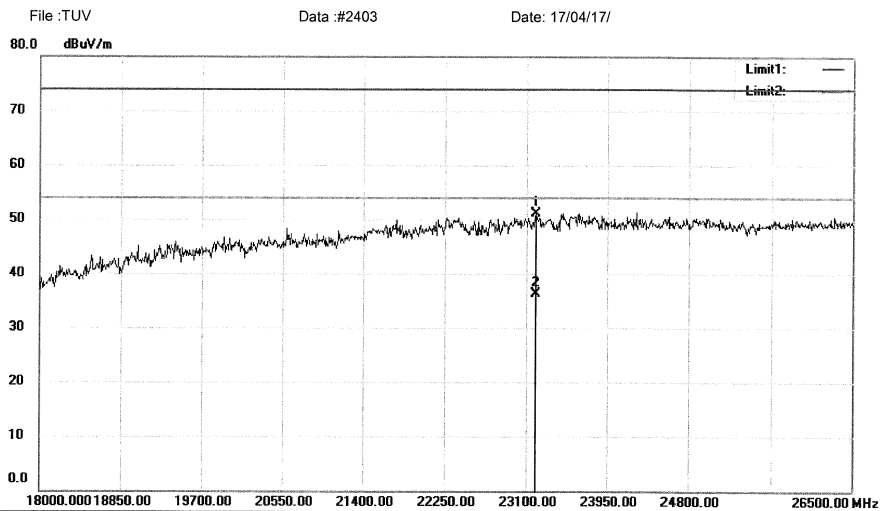
*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUVData :#2398

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Radiated Emission Measurement


Site: 3m Chamber #1 Polarization: **Horizontal** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Bluetooth Stereo Speaker
 M/N: NS-CSPBTWP1
 Mode: GFSK(2402MHz)
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		23193.50	89.15	-37.98	51.17	74.00	-22.83	peak			
2	*	23193.50	74.38	-37.98	36.40	54.00	-17.60	AVG			

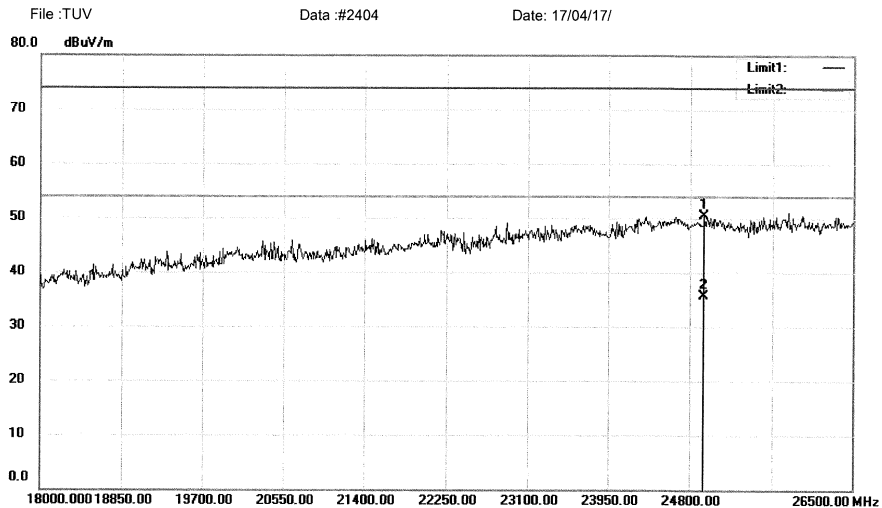
*:Maximum data x:Over limit !:over margin

Operator: KK

File: TUVData #2403

Page: 1

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Radiated Emission Measurement


Site: 3m Chamber #1 Polarization: **Vertical** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Bluetooth Stereo Speaker
 M/N: NS-CSPBTWP1
 Mode: GFSK(2402MHz)
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		24944.50	87.60	-37.02	50.58	74.00	-23.42	peak			
2	*	24944.50	72.82	-37.02	35.80	54.00	-18.20	AVG			

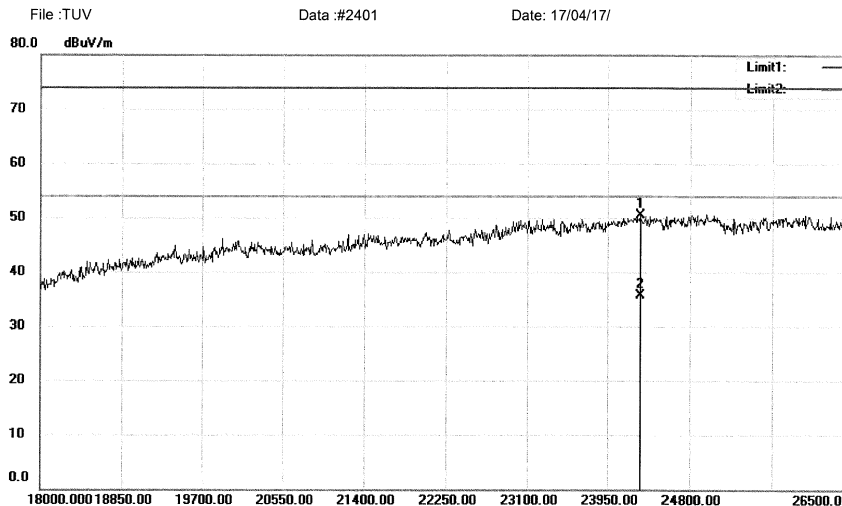
*:Maximum data x:Over limit !:over margin

Operator: KK

File:TUVData:#2404

Page: 1

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Radiated Emission Measurement


Site: 3m Chamber #1 Polarization: **Horizontal** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Bluetooth Stereo Speaker
 M/N: NS-CSPBTWP1
 Mode: GFSK(2441MHz)
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		24290.00	87.60	-37.10	50.50	74.00	-23.50	peak			
2	*	24290.00	72.90	-37.10	35.80	54.00	-18.20	AVG			

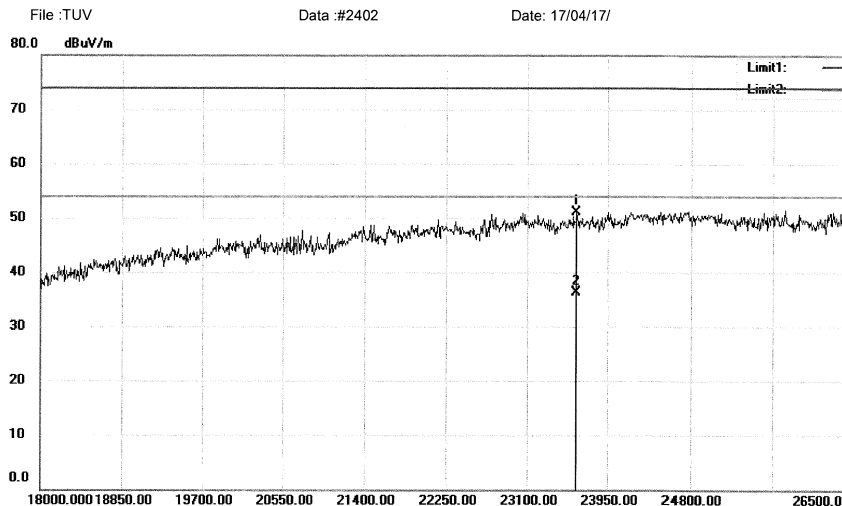
*:Maximum data x:Over limit !:over margin

Operator: KK

File: TUVData :#2401

Page: 1

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Radiated Emission Measurement


Site: 3m Chamber #1 Polarization: **Vertical** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Bluetooth Stereo Speaker
 M/N: NS-CSPBTWP1
 Mode: GFSK(2441MHz)
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm
1		23618.50	88.71	-37.53	51.18	74.00	-22.82	peak	
2	*	23618.50	73.93	-37.53	36.40	54.00	-17.60	AVG	

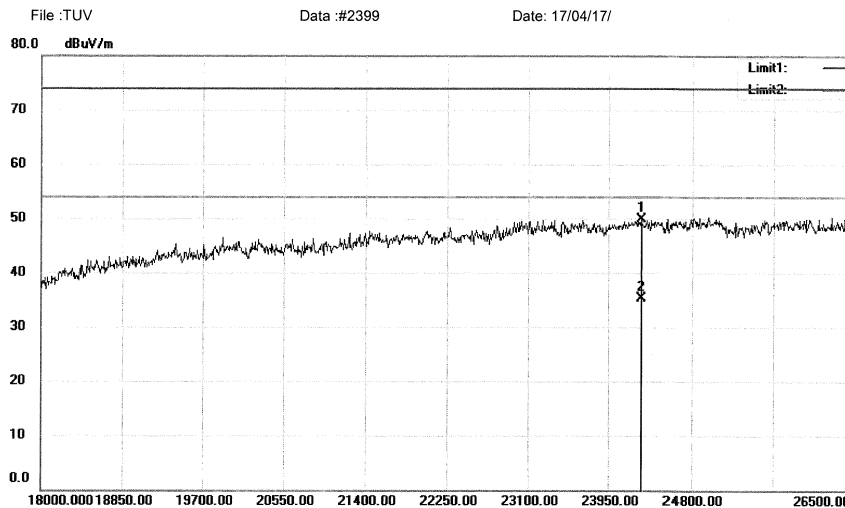
*:Maximum data x:Over limit !:over margin

Operator: KK

File: TUVData :#2402

Page: 1

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Radiated Emission Measurement


Site 3m Chamber #1 Polarization: *Horizontal* Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Bluetooth Stereo Speaker
 M/N: NS-CSPBTWP1
 Mode:GFSK(2480MHz)
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		24290.00	87.10	-37.10	50.00	74.00	-24.00	peak		0	
2	*	24290.00	72.40	-37.10	35.30	54.00	-18.70	AVG		0	

*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUVData :#2399

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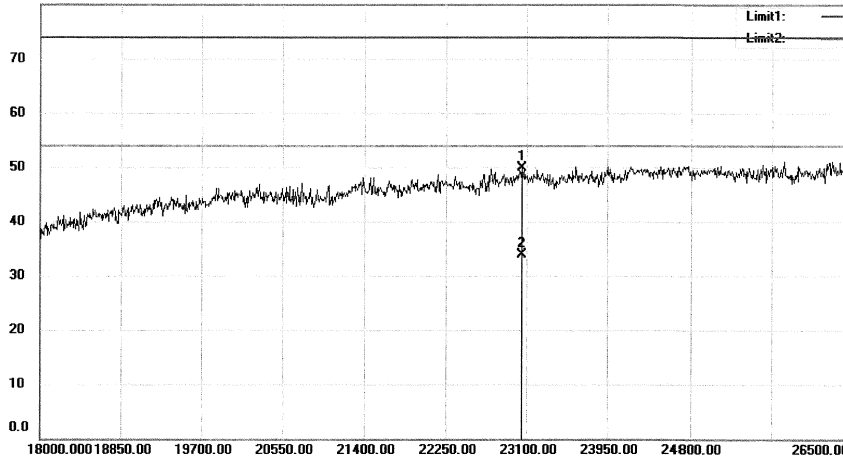

Radiated Emission Measurement

File : TUV

Data : #2400

Date : 17/04/17/

80.0 dBuV/m



Site 3m Chamber #1

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Bluetooth Stereo Speaker

M/N: NS-CSPBTWP1

Mode: GFSK(2480MHz)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree
1		23049.00	88.05	-38.13	49.92	74.00	-24.08	peak	0
2	*	23049.00	72.03	-38.13	33.90	54.00	-20.10	AVG	0

*:Maximum data x:Over limit !:over margin

Operator: KK

File : TUVData #2400

Page: 1

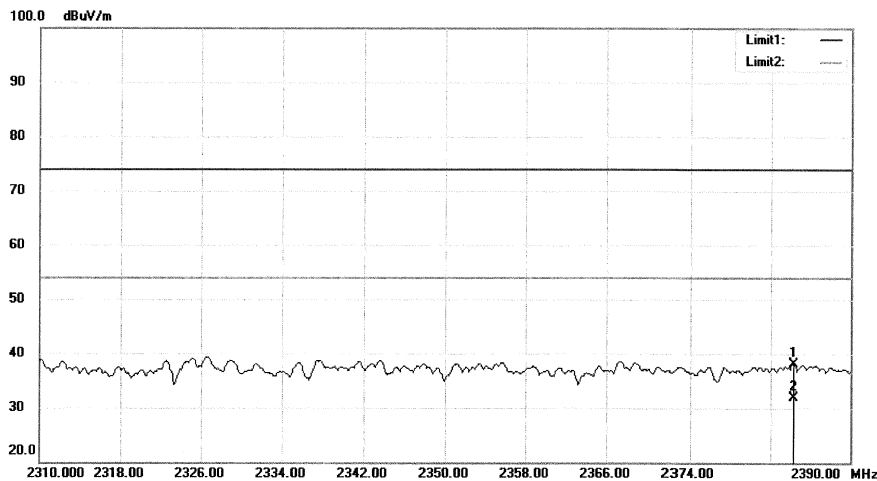
Test Plot of Band Edge of

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Radiated Emission Measurement

File: TUV Data: #2408 Date: 17/04/17/



Site: 3m Chamber #1 Polarization: **Horizontal** Temperature: 22 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 55 %
 EUT: Bluetooth Stereo Speaker
 M/N: NS-CSPBTWP1
 Mode: GFSK(2402MHz)
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2384.240	52.33	-14.25	38.08	74.00	-35.92	peak			
2	*	2384.240	46.15	-14.25	31.90	54.00	-22.10	AVG			

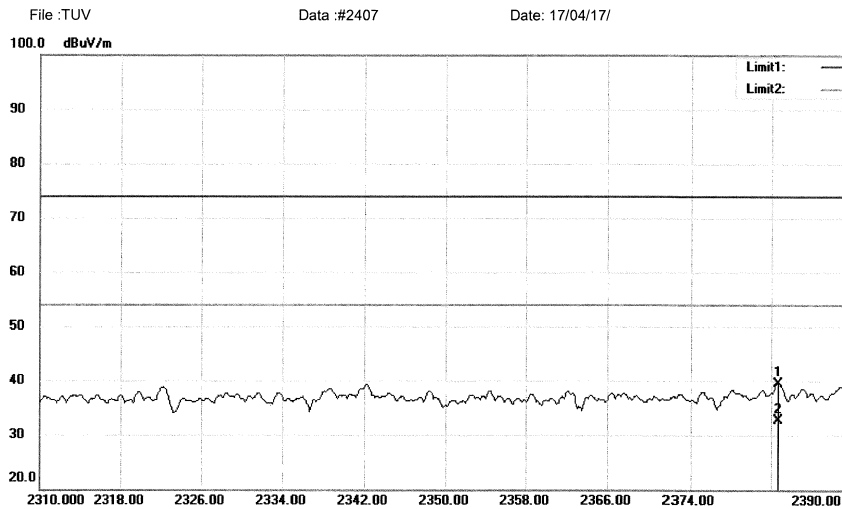
*:Maximum data x:Over limit !:over margin

Operator: KK

File: TUVData #2408

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Radiated Emission Measurement


Site 3m Chamber #1 Polarization: **Vertical** Temperature: 22 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 55 %
 EUT: Bluetooth Stereo Speaker
 M/N: NS-CSPBTWP1
 Mode:GFSK(2402MHz)
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2382.720	53.83	-14.26	39.57	74.00	-34.43	peak			
2	*	2382.720	46.86	-14.26	32.60	54.00	-21.40	AVG			

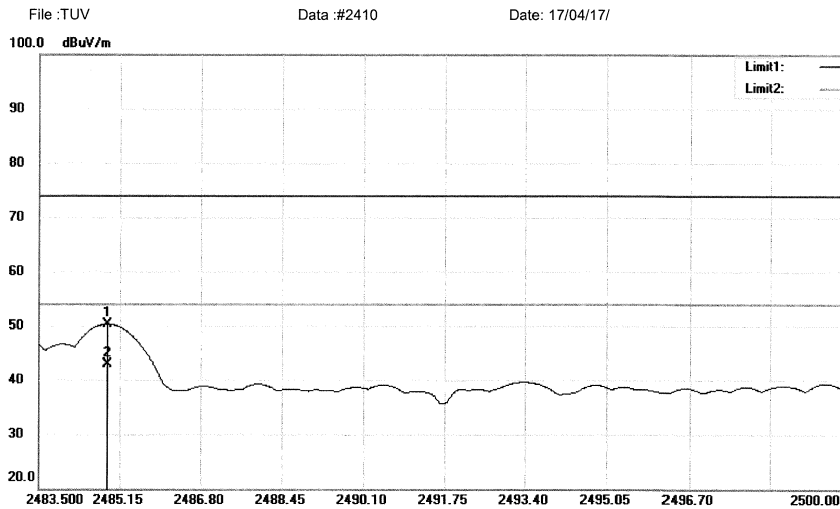
*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUVData :#2407

Page: 1

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Radiated Emission Measurement


Site: 3m Chamber #1 Polarization: **Horizontal** Temperature: 22 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 55 %
 EUT: Bluetooth Stereo Speaker
 M/N: NS-CSPBTWP1
 Mode:GFSK(2480MHz)
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2484.886	64.11	-13.75	50.36	74.00	-23.64	peak			
2	*	2484.886	56.65	-13.75	42.90	54.00	-11.10	AVG			

*:Maximum data x:Over limit !:over margin

Operator: KK

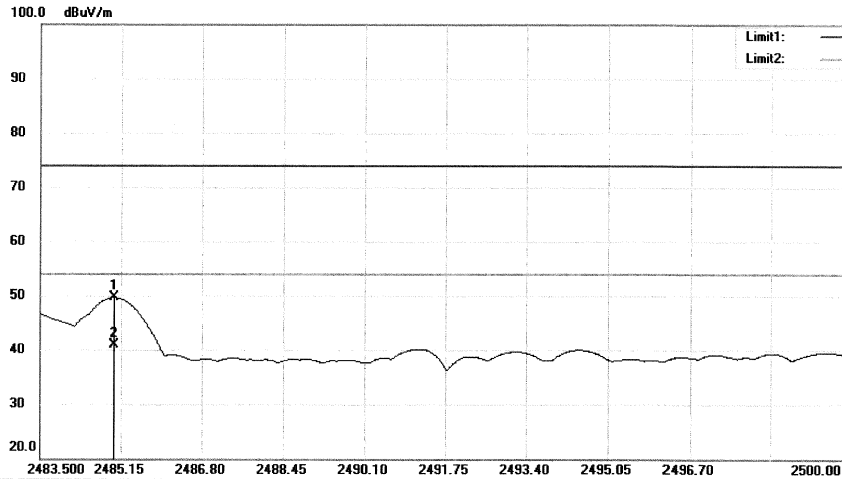
File :TUVData :#2410

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Radiated Emission Measurement

File :TUV Data :#2409 Date: 17/04/17/



Site: 3m Chamber #1 Polarization: **Vertical** Temperature: 22 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 55 %
 EUT: Bluetooth Stereo Speaker
 M/N: NS-CSPBTWP1
 Mode: GFSK(2480MHz)
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2485.001	63.39	-13.75	49.64	74.00	-24.36	peak			
2	*	2485.001	54.75	-13.75	41.00	54.00	-13.00	AVG			

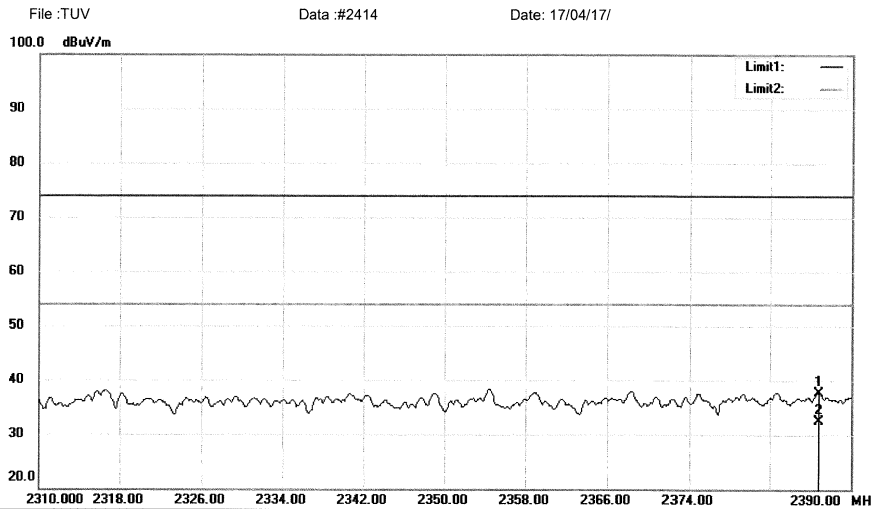
*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUVData :#2409

Page: 1

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Radiated Emission Measurement


Site 3m Chamber #1 Polarization: **Horizontal** Temperature: 22 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 55 %
 EUT: Bluetooth Stereo Speaker
 M/N: NS-CSPBTWP1
 Mode:8DPSK(2402MHz)
 Note:

No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	2386.880	52.05	-14.25	37.80	74.00	-36.20	peak		
2 *	2386.880	46.75	-14.25	32.50	54.00	-21.50	AVG		

*:Maximum data x:Over limit !:over margin

Operator: KK

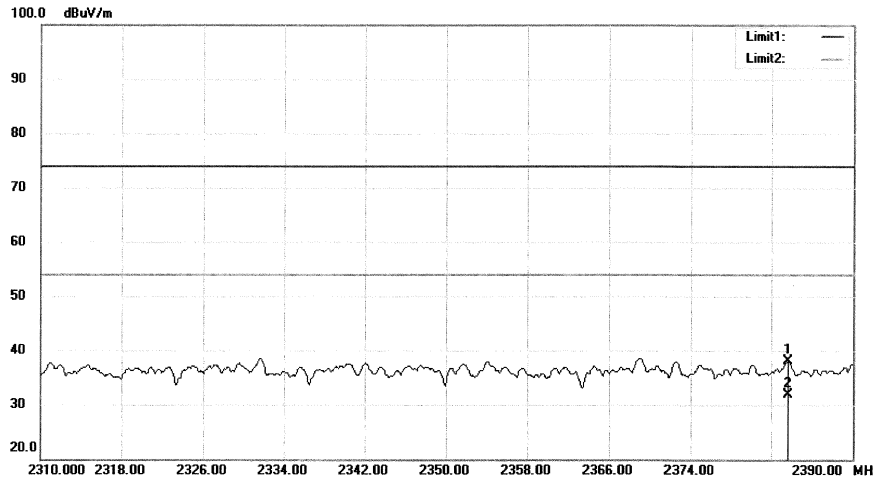
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Radiated Emission Measurement

File:TUV Data:#2413 Date:17/04/17/



Site 3m Chamber #1 Polarization: **Vertical** Temperature: 22 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 55 %
 EUT: Bluetooth Stereo Speaker
 M/N: NS-CSPBTWP1
 Mode:8DPSK(2402MHz)
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		2383.600	52.26	-14.25	38.01	74.00	-35.99	peak			
2	*	2383.600	46.15	-14.25	31.90	54.00	-22.10	AVG			

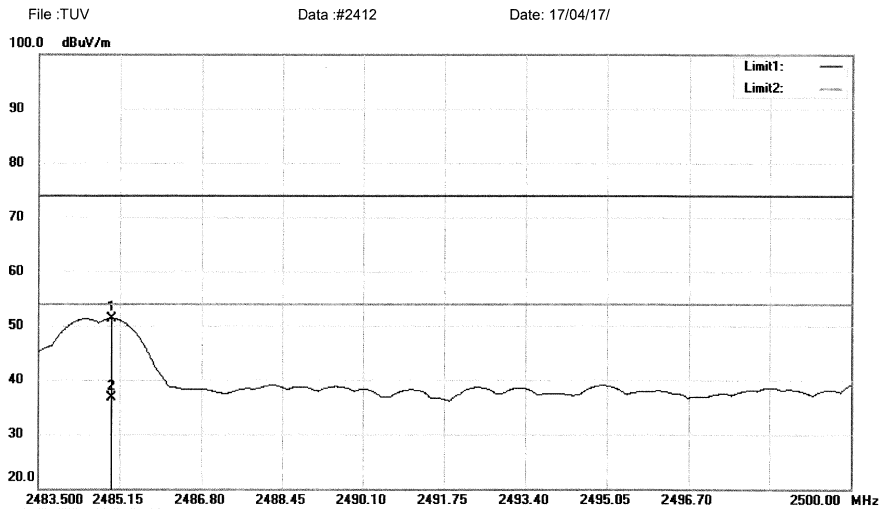
*:Maximum data x:Over limit !:over margin

Operator: KK

File:TUVData:#2413

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Radiated Emission Measurement


Site 3m Chamber #1 Polarization: **Horizontal** Temperature: 22 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 55 %
 EUT: Bluetooth Stereo Speaker
 M/N: NS-CSPBTWP1
 Mode:8DPSK(2480MHz)
 Note:

No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	2484.985	65.07	-13.75	51.32	74.00	-22.68	peak		
2 *	2484.985	50.55	-13.75	36.80	54.00	-17.20	AVG		

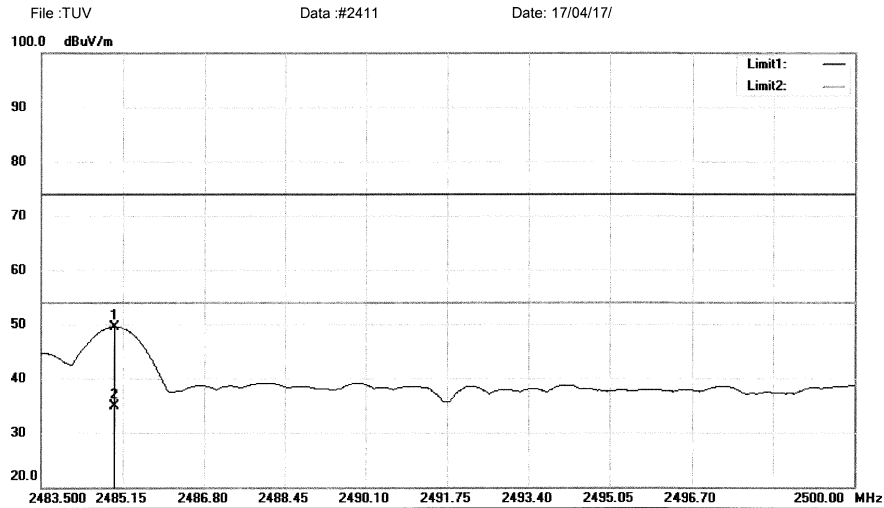
*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUVData :#2412

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Radiated Emission Measurement


Site 3m Chamber #1 Polarization: **Vertical** Temperature: 22 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 55 %
 EUT: Bluetooth Stereo Speaker
 M/N: NS-CSPBTWP1
 Mode:8DPSK(2480MHz)
 Note:

No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	2484.985	63.34	-13.75	49.59	74.00	-24.41	peak		Comment
2 *	2484.985	48.65	-13.75	34.90	54.00	-19.10	AVG		

*:Maximum data x:Over limit !:over margin

Operator: KK

File:TUVData:#2411

Page: 1

Prüfbericht - Nr.: 50082008 001

Test Report No.

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5.1.9 Conducted emissions

RESULT:**Pass**

Date of testing : 2017-06-01
Test standard : FCC Part 15.107 (a)
FCC Part 15.207
RSS-Gen Clause 8.8
ICES-003 Issue 6 January 2016
Basic standard : ANSI C63.4: 2014
Frequency range : 0.15 – 30MHz
Limits : FCC Part 15.207
Table 3 of RSS-Gen
Kind of test site : Shield room

Test setup

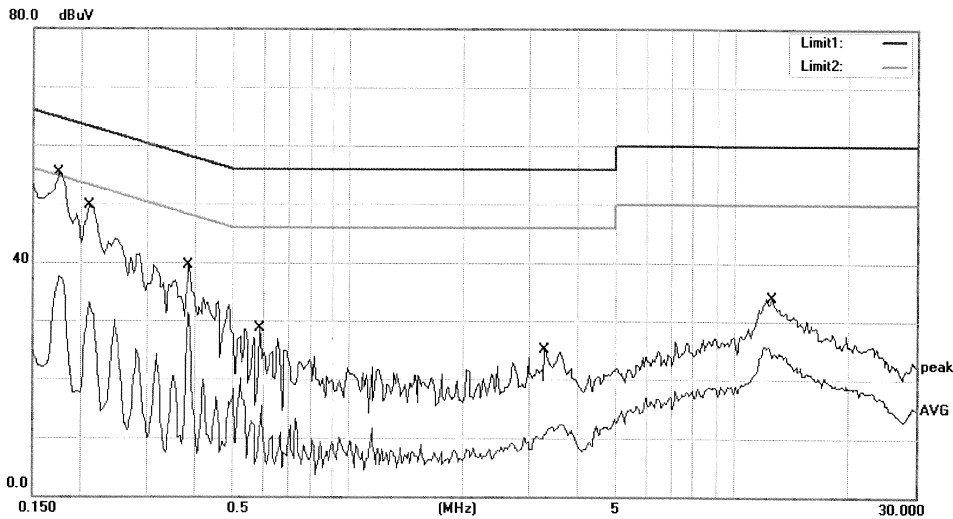
Input Voltage : AC 120V, 60Hz
Operation Mode : A, B
Earthing : Not Connected
Ambient temperature : 22°C
Relative humidity : 55%
Atmospheric pressure : 101kPa

For details refer to following test plot.

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Conducted Emission Measurement

File : TUV Data : #2655 Date : 2017/04/21



Site Conduction #1 Phase: **L1** Temperature: 22
 Limit: (CE)FCC PART 15 class B_QP Power: AC 120V/60Hz Humidity: 55 %
 EUT: Bluetooth Stereo Speaker
 M/N: NS-CSPBTWP1
 Mode: BT ON
 Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	0.1750	55.39	0.00	55.39	64.72	-9.33	QP	
2		0.1750	37.59	0.00	37.59	54.72	-17.13	AVG	
3		0.2100	49.64	0.00	49.64	63.21	-13.57	QP	
4		0.2100	33.01	0.00	33.01	53.21	-20.20	AVG	
5		0.3850	39.41	0.00	39.41	58.17	-18.76	QP	
6		0.3850	31.22	0.00	31.22	48.17	-16.95	AVG	
7		0.5900	28.63	0.00	28.63	56.00	-27.37	QP	
8		0.5900	20.05	0.00	20.05	46.00	-25.95	AVG	
9		3.2900	25.09	0.00	25.09	56.00	-30.91	QP	
10		3.2900	12.31	0.00	12.31	46.00	-33.69	AVG	
11		12.5600	33.92	0.00	33.92	60.00	-26.08	QP	
12		12.5600	25.78	0.00	25.78	50.00	-24.22	AVG	

*:Maximum data x:Over limit !:over margin Comment: Factor build in receiver. Operator: Stan

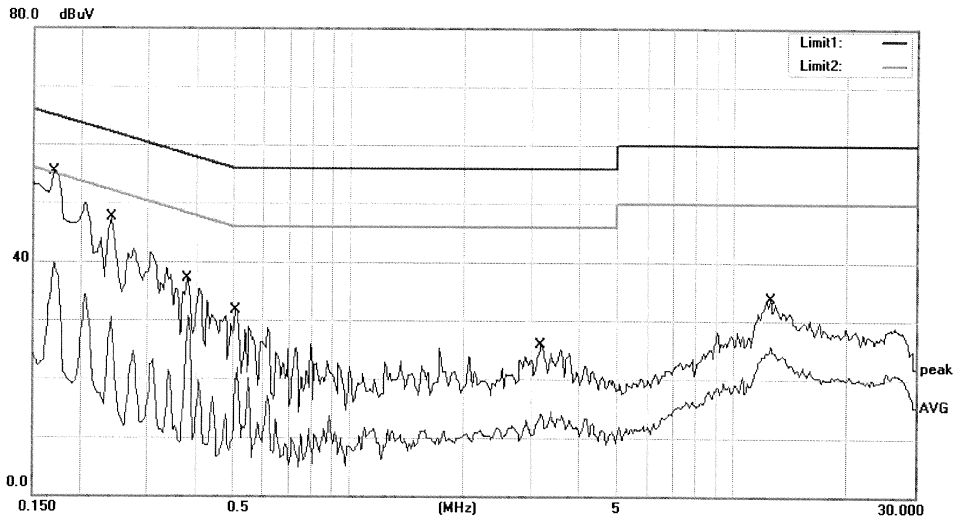
File : TUV\Data : #2655

Page : 1

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Conducted Emission Measurement

File :TUV Data #2656 Date: 2017/04/21



Site Conduction #1 Phase: **N** Temperature: 22
 Limit: (CE)FCC PART 15 class B_QP Power: AC 120V/60Hz Humidity: 55 %
 EUT: Bluetooth Stereo Speaker
 M/N: NS-CSPBTWP1
 Mode: BT ON
 Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	0.1700	55.40	0.00	55.40	64.96	-9.56	QP	
2		0.1700	39.74	0.00	39.74	54.96	-15.22	AVG	
3		0.2400	47.41	0.00	47.41	62.10	-14.69	QP	
4		0.2400	30.43	0.00	30.43	52.10	-21.67	AVG	
5		0.3800	37.13	0.00	37.13	58.28	-21.15	QP	
6		0.3800	30.79	0.00	30.79	48.28	-17.49	AVG	
7		0.5100	31.61	0.00	31.61	56.00	-24.39	QP	
8		0.5100	21.86	0.00	21.86	46.00	-24.14	AVG	
9		3.2050	25.99	0.00	25.99	56.00	-30.01	QP	
10		3.2050	14.42	0.00	14.42	46.00	-31.58	AVG	
11		12.5400	33.74	0.00	33.74	60.00	-26.26	QP	
12		12.5400	25.68	0.00	25.68	50.00	-24.32	AVG	

*:Maximum data x:Over limit !:over margin Comment: Factor build in receiver. Operator: Stan

File :TUVData :#2656

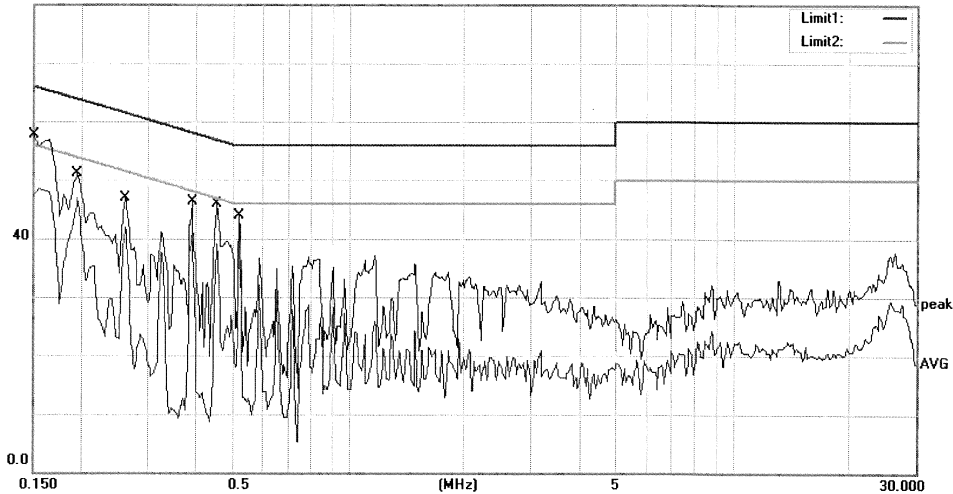
Page: 1

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Conducted Emission Measurement

 File :Fenda
 80.0 dBuV

Date: 2017/06/1



Site: Conduction #1
 Limit: (CE)FCC PART 15 class B_QP
 EUT: Bluetooth Stereo Speaker
 M/N: NS-CSPBTWP1
 Mode: AUX IN + CHARGING
 Note:

Phase: **L1**
 Power: AC 120V/60Hz
 Temperature: 22
 Humidity: 55 %

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1500	57.62	0.00	57.62	66.00	-8.38	QP	
2		0.1500	48.49	0.00	48.49	56.00	-7.51	AVG	
3		0.1950	51.10	0.00	51.10	63.82	-12.72	QP	
4		0.1950	46.93	0.00	46.93	53.82	-6.89	AVG	
5		0.2600	46.98	0.00	46.98	61.43	-14.45	QP	
6		0.2600	41.85	0.00	41.85	51.43	-9.58	AVG	
7		0.3900	46.34	0.00	46.34	58.06	-11.72	QP	
8	*	0.3900	41.65	0.00	41.65	48.06	-6.41	AVG	
9		0.4550	45.92	0.00	45.92	56.78	-10.86	QP	
10		0.4550	39.13	0.00	39.13	46.78	-7.65	AVG	
11		0.5200	43.95	0.00	43.95	56.00	-12.05	QP	
12		0.5200	39.51	0.00	39.51	46.00	-6.49	AVG	

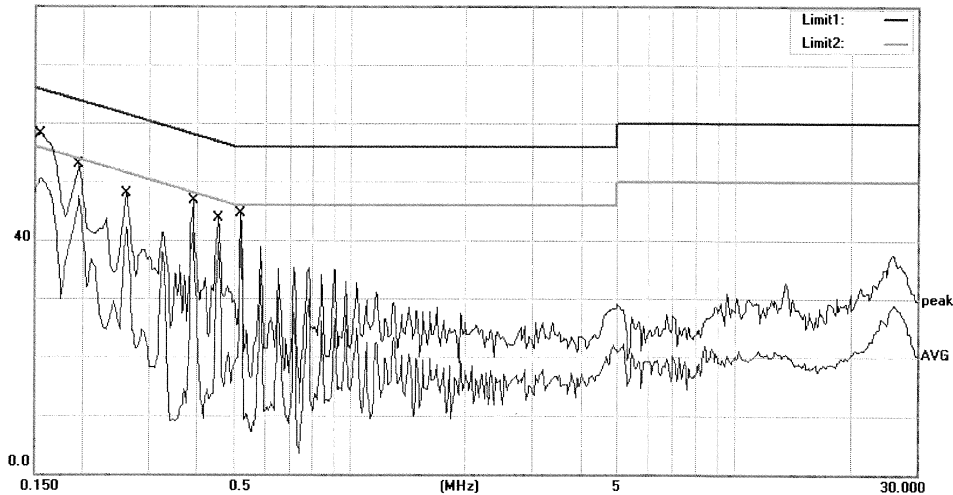
*:Maximum data x:Over limit !:over margin Comment: Factor build in receiver. Operator: CSL

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Conducted Emission Measurement

 File : Fenda
 80.0 dBuV

Date: 2017/06/1



Site Conduction #1 Phase: **N** Temperature: 22
 Limit: (CE)FCC PART 15 class B_QP Power: AC 120V/60Hz Humidity: 55 %
 EUT: Bluetooth Stereo Speaker
 M/N: NS-CSPBTWP1
 Mode: AUX IN + CHARGING
 Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1550	58.19	0.00	58.19	65.73	-7.54	QP	
2	*	0.1550	50.58	0.00	50.58	55.73	-5.15	AVG	
3		0.1950	52.99	0.00	52.99	63.82	-10.83	QP	
4		0.1950	47.43	0.00	47.43	53.82	-6.39	AVG	
5		0.2600	47.93	0.00	47.93	61.43	-13.50	QP	
6		0.2600	42.08	0.00	42.08	51.43	-9.35	AVG	
7		0.3900	46.66	0.00	46.66	58.06	-11.40	QP	
8		0.3900	42.29	0.00	42.29	48.06	-5.77	AVG	
9		0.4550	43.73	0.00	43.73	56.78	-13.05	QP	
10		0.4550	39.41	0.00	39.41	46.78	-7.37	AVG	
11		0.5200	44.48	0.00	44.48	56.00	-11.52	QP	
12		0.5200	39.60	0.00	39.60	46.00	-6.40	AVG	

*:Maximum data x:Over limit !:over margin Comment: Factor build in receiver. Operator: CSL

Prüfbericht - Nr.: 50082008 001

Test Report No.

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5.1.10 Radiated Emission

RESULT:**Pass**

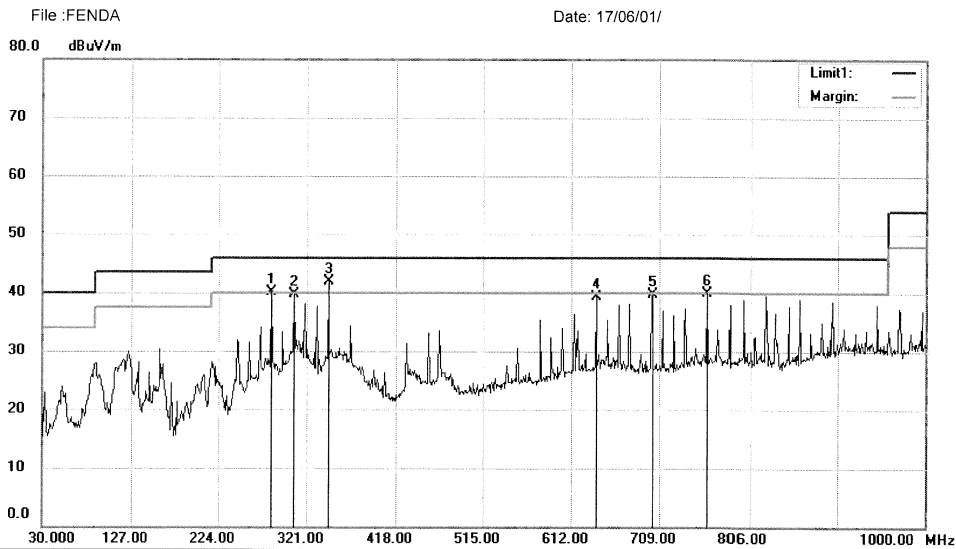
Date of testing : 2017-06-01
Test standard : FCC Part 15.109 (a)
ICES-003 Issue 6 January 2016
Test procedure : ANSI C63.4: 2014
Frequency range : 30 - 6000MHz
Equipment Classification : Class B
Limits : FCC Part 15.109(a)
ICES-003 Issue 6 January 2016
Kind of test site : 3m Semi-Anechoic Chamber

Test setup

Input Voltage : AC 120V, 60Hz
Operation mode : B
Earthing : Not connected
Ambient temperature : 22°C
Relative humidity : 50%
Atmospheric pressure : 101kPa

For details refer to following test plot.

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Radiated Emission Measurement


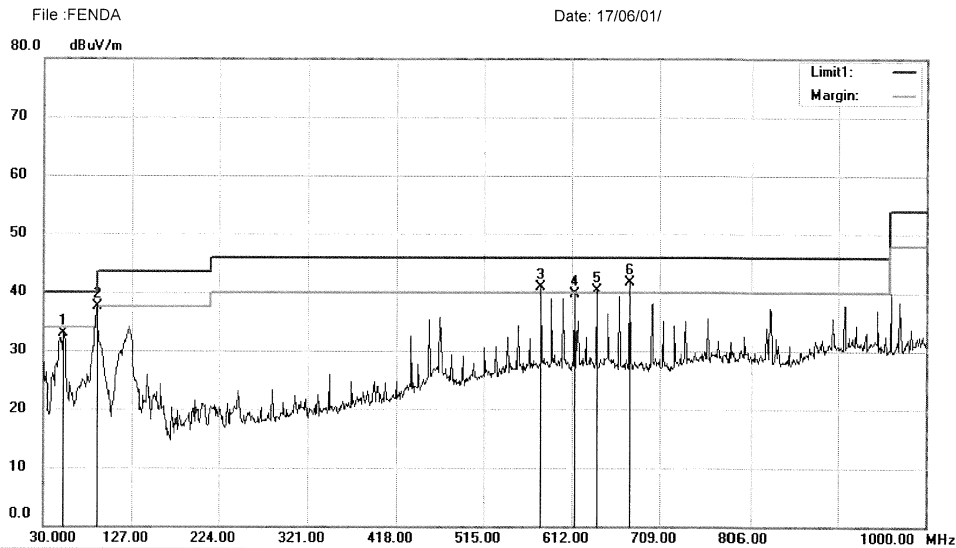
Site 3m Chamber #1 Polarization: **Horizontal** Temperature: 22 C
 Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 50 %
 EUT: Bluetooth Stereo Speaker
 M/N: NS-CSPBTWP1
 Mode: AUX IN
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	!	282.2000	50.58	-10.48	40.10	46.00	-5.90	QP		
2		307.4200	49.65	-9.92	39.73	46.00	-6.27	QP		
3	*	344.2800	51.04	-9.20	41.84	46.00	-4.16	QP		
4		639.1600	41.09	-1.77	39.32	46.00	-6.68	QP		
5		701.2400	41.63	-1.97	39.66	46.00	-6.34	QP		
6		762.3500	40.44	-0.58	39.86	46.00	-6.14	QP		

*:Maximum data x:Over limit !:over margin

Operator: XF

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Radiated Emission Measurement


Site 3m Chamber #1 Polarization: **Vertical** Temperature: 22 C
 Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 50 %
 EUT: Bluetooth Stereo Speaker
 M/N: NS-CSPBTWP1
 Mode:AUX IN
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		51.3400	44.67	-11.73	32.94	40.00	-7.06	QP		
2		88.2000	50.76	-13.28	37.48	43.50	-6.02	QP		
3	!	578.0500	44.85	-3.92	40.93	46.00	-5.07	QP		
4		614.9100	42.08	-2.36	39.72	46.00	-6.28	QP		
5	!	639.1600	42.01	-1.77	40.24	46.00	-5.76	QP		
6	*	676.0200	43.79	-2.17	41.62	46.00	-4.38	QP		

*:Maximum data x:Over limit !:over margin

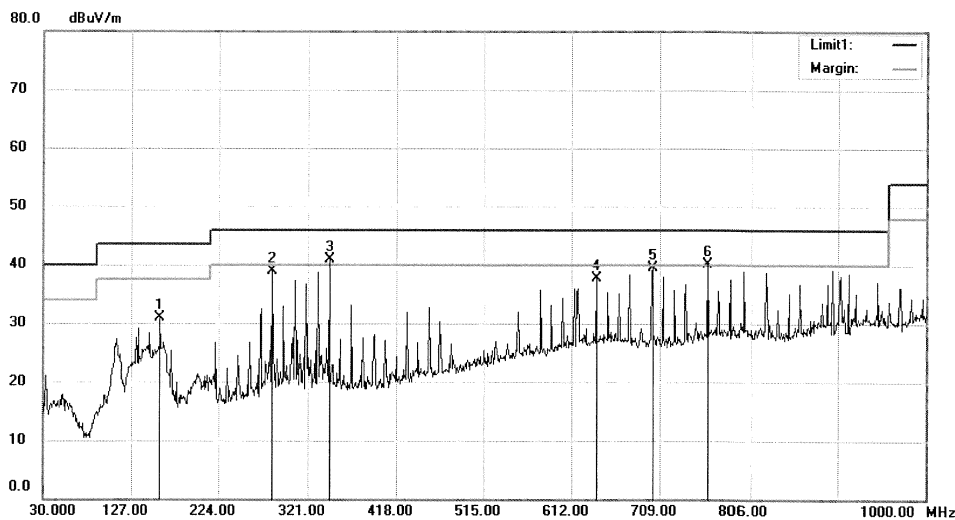
Operator: XF

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Radiated Emission Measurement

File : FENDA

Date: 17/06/01/



Site 3m Chamber #1 Polarization: **Horizontal** Temperature: 22 C
 Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 50 %
 EUT: Bluetooth Stereo Speaker
 M/N: NS-CSPBTWP1
 Mode: AUX IN+CHARGING
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		159.0100	46.20	-15.22	30.98	43.50	-12.52	QP		
2		282.2000	49.44	-10.48	38.96	46.00	-7.04	QP		
3	*	344.2800	50.16	-9.20	40.96	46.00	-5.04	QP		
4		639.1600	39.46	-1.77	37.69	46.00	-8.31	QP		
5		701.2400	41.51	-1.97	39.54	46.00	-6.46	QP		
6	!	762.3500	40.73	-0.58	40.15	46.00	-5.85	QP		

*:Maximum data x:Over limit !:over margin

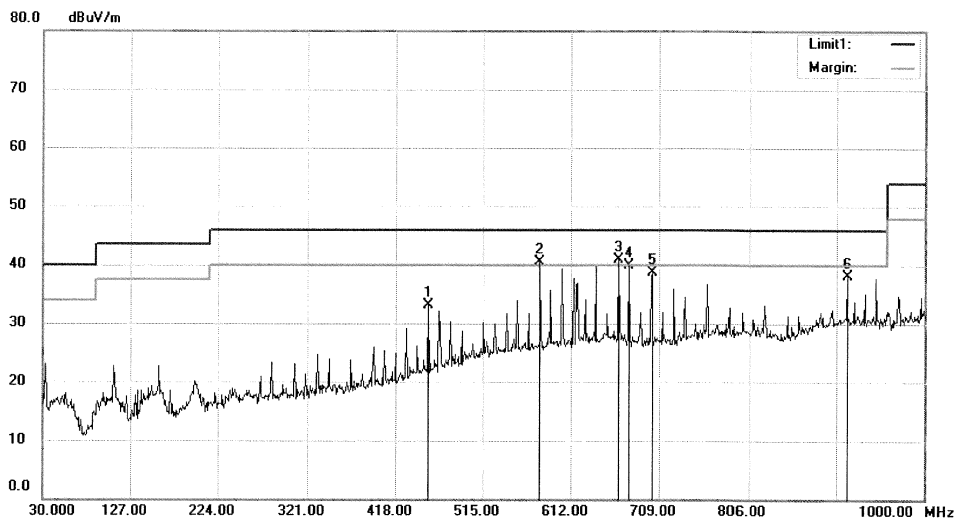
Operator: XF

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Radiated Emission Measurement

File: FENDA

Date: 17/06/01/



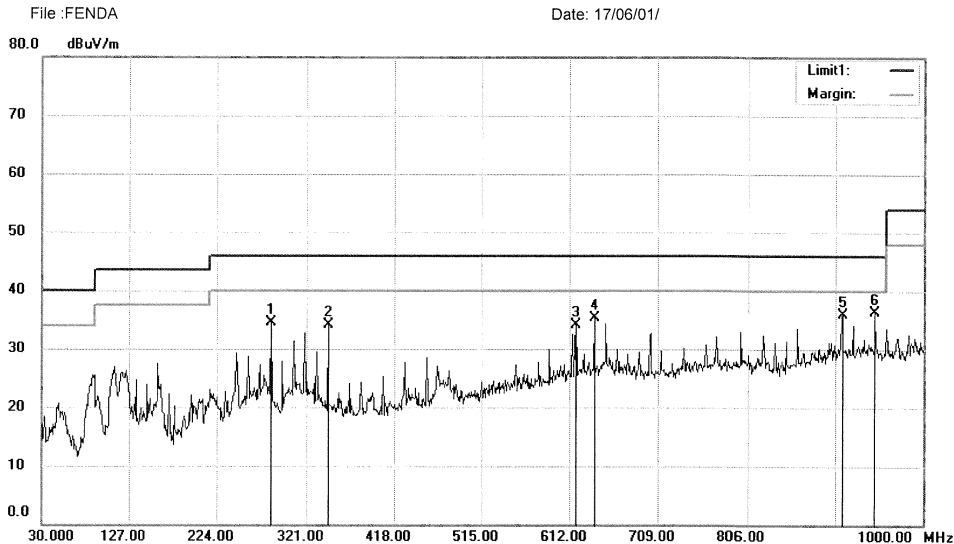
Site 3m Chamber #1 Polarization: **Vertical** Temperature: 22 C
 Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 50 %
 EUT: Bluetooth Stereo Speaker
 M/N: NS-CSPBTWP1
 Mode: AUX IN+CHARGING
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		454.8600	40.55	-7.54	33.01	46.00	-12.99	QP		
2	!	578.0500	44.46	-3.92	40.54	46.00	-5.46	QP		
3	*	664.3800	42.67	-1.74	40.93	46.00	-5.07	QP		
4		676.0200	42.16	-2.17	39.99	46.00	-6.01	QP		
5		701.2400	40.65	-1.97	38.68	46.00	-7.32	QP		
6		914.6400	36.41	1.75	38.16	46.00	-7.84	QP		

*:Maximum data x:Over limit !:over margin

Operator: XF

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Radiated Emission Measurement


Site 3m Chamber #1 Polarization: **Horizontal** Temperature: 22 C
 Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 50 %
 EUT: Bluetooth Stereo Speaker
 M/N: NS-CSPBTWP1
 Mode: AUX IN+ DISCHARGING
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		282.2000	45.04	-10.48	34.56	46.00	-11.44	QP		
2		344.2800	43.27	-9.20	34.07	46.00	-11.93	QP		
3		618.7900	36.07	-2.00	34.07	46.00	-11.93	QP		
4		639.1600	37.01	-1.77	35.24	46.00	-10.76	QP		
5		910.7600	34.18	1.73	35.91	46.00	-10.09	QP		
6	*	946.6500	34.86	1.43	36.29	46.00	-9.71	QP		

*:Maximum data x:Over limit !:over margin

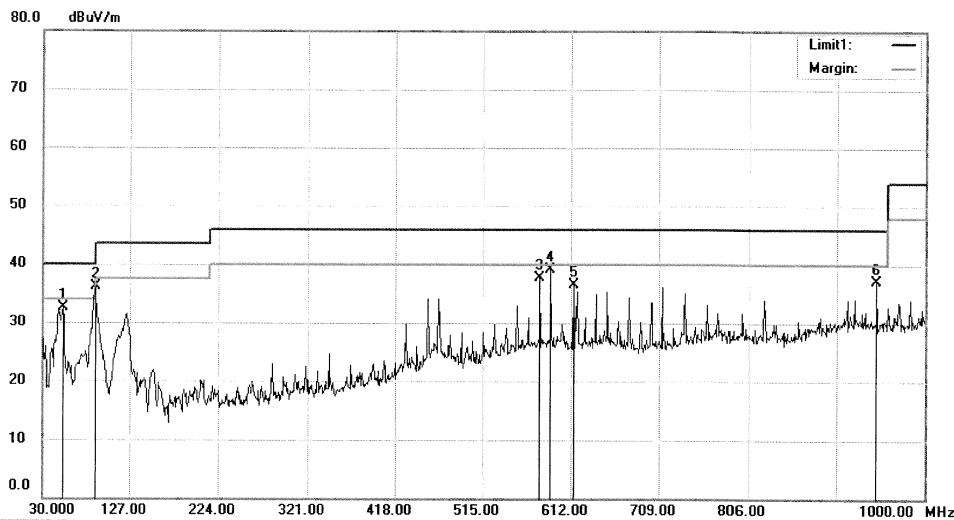
Operator: XF

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Radiated Emission Measurement

File: FENDA

Date: 17/06/01/



Site 3m Chamber #1 Polarization: **Vertical** Temperature: 22 C
 Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 50 %
 EUT: Bluetooth Stereo Speaker
 M/N: NS-CSPBTWP1
 Mode: AUX IN+ DISCHARGING
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		52.3100	44.43	-11.84	32.59	40.00	-7.41	QP		
2		88.2000	49.39	-13.28	36.11	43.50	-7.39	QP		
3		578.0500	41.69	-3.92	37.77	46.00	-8.23	QP		
4	*	589.6900	42.51	-3.48	39.03	46.00	-6.97	QP		
5		614.9100	38.87	-2.36	36.51	46.00	-9.49	QP		
6		946.6500	35.76	1.43	37.19	46.00	-8.81	QP		

*:Maximum data x:Over limit !:over margin

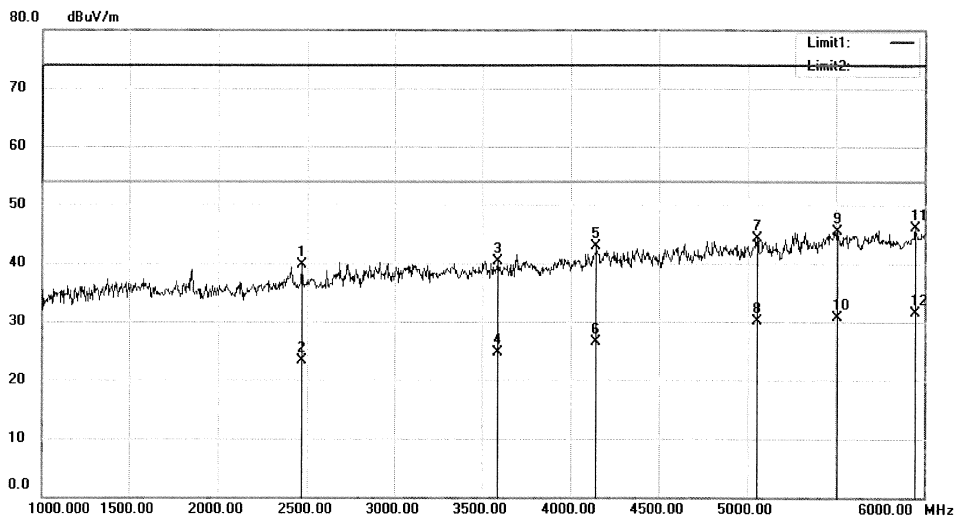
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Radiated Emission Measurement

File: FENDA

Date: 17/06/01



Site: 3m Chamber #1 Polarization: **Horizontal** Temperature: 22 C
 Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 50 %
 EUT: Bluetooth Stereo Speaker
 M/N: NS-CSPBTWP1
 Mode: AUX IN
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		2470.000	57.41	-17.80	39.61	74.00	-34.39			peak
2		2470.000	41.10	-17.80	23.30	54.00	-30.70			AVG
3		3590.000	55.81	-15.45	40.36	74.00	-33.64			peak
4		3590.000	40.25	-15.45	24.80	54.00	-29.20			AVG
5		4145.000	58.02	-15.05	42.97	74.00	-31.03			peak
6		4145.000	41.65	-15.05	26.60	54.00	-27.40			AVG
7		5055.000	58.08	-13.74	44.34	74.00	-29.66			peak
8		5055.000	43.94	-13.74	30.20	54.00	-23.80			AVG
9		5510.000	58.02	-12.44	45.58	74.00	-28.42			peak
10		5510.000	43.14	-12.44	30.70	54.00	-23.30			AVG
11		5950.000	57.29	-11.17	46.12	74.00	-27.88			peak
12	*	5950.000	42.67	-11.17	31.50	54.00	-22.50			AVG

*:Maximum data x:Over limit !:over margin

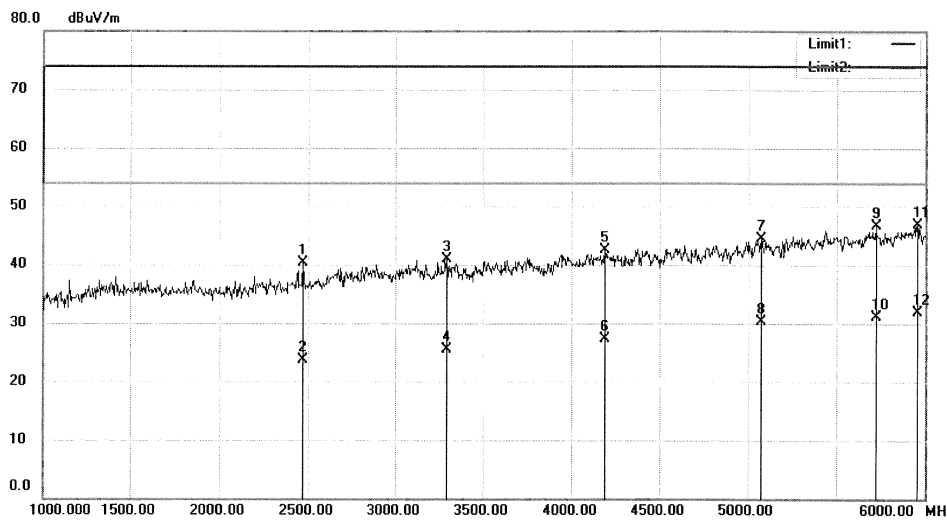
Operator: KK

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Radiated Emission Measurement

File: FENDA

Date: 17/06/01



Site 3m Chamber #1

 Polarization: **Vertical**

Temperature: 22 C

Limit: (RE)FCC PART 15 CLASS B

Power: AC 120V/60Hz

Humidity: 50 %

EUT: Bluetooth Stereo Speaker

M/N: NS-CSPBTWP1

Mode: AUX IN

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		2470.000	58.11	-17.80	40.31	74.00	-33.69			peak
2		2470.000	41.60	-17.80	23.80	54.00	-30.20			AVG
3		3295.000	56.51	-15.61	40.90	74.00	-33.10			peak
4		3295.000	41.21	-15.61	25.60	54.00	-28.40			AVG
5		4190.000	57.49	-14.99	42.50	74.00	-31.50			peak
6		4190.000	42.29	-14.99	27.30	54.00	-26.70			AVG
7		5075.000	58.26	-13.68	44.58	74.00	-29.42			peak
8		5075.000	44.08	-13.68	30.40	54.00	-23.60			AVG
9		5720.000	58.54	-11.83	46.71	74.00	-27.29			peak
10		5720.000	43.03	-11.83	31.20	54.00	-22.80			AVG
11		5955.000	58.15	-11.16	46.99	74.00	-27.01			peak
12	*	5955.000	43.06	-11.16	31.90	54.00	-22.10			AVG

*:Maximum data x:Over limit !:over margin

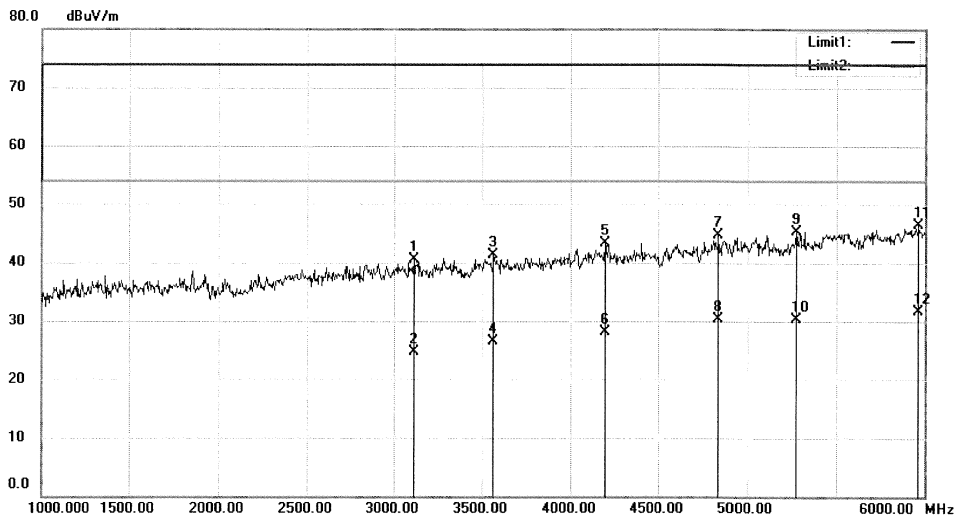
Operator: KK

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Radiated Emission Measurement

File: FENDA

Date: 17/06/01/



Site: 3m Chamber #1 Polarization: **Horizontal** Temperature: 22 C
 Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 50 %
 EUT: Bluetooth Stereo Speaker
 M/N: NS-CSPBTWP1
 Mode: AUX IN+ CHARGING
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		3115.000	56.25	-15.70	40.55	74.00	-33.45			peak
2		3115.000	40.50	-15.70	24.80	54.00	-29.20			AVG
3		3565.000	56.84	-15.47	41.37	74.00	-32.63			peak
4		3565.000	41.97	-15.47	26.50	54.00	-27.50			AVG
5		4195.000	58.31	-14.98	43.33	74.00	-30.67			peak
6		4195.000	43.18	-14.98	28.20	54.00	-25.80			AVG
7		4845.000	58.79	-14.11	44.68	74.00	-29.32			peak
8		4845.000	44.41	-14.11	30.30	54.00	-23.70			AVG
9		5275.000	58.47	-13.11	45.36	74.00	-28.64			peak
10		5275.000	43.51	-13.11	30.40	54.00	-23.60			AVG
11		5965.000	57.64	-11.13	46.51	74.00	-27.49			peak
12	*	5965.000	42.83	-11.13	31.70	54.00	-22.30			AVG

*:Maximum data x:Over limit !:over margin

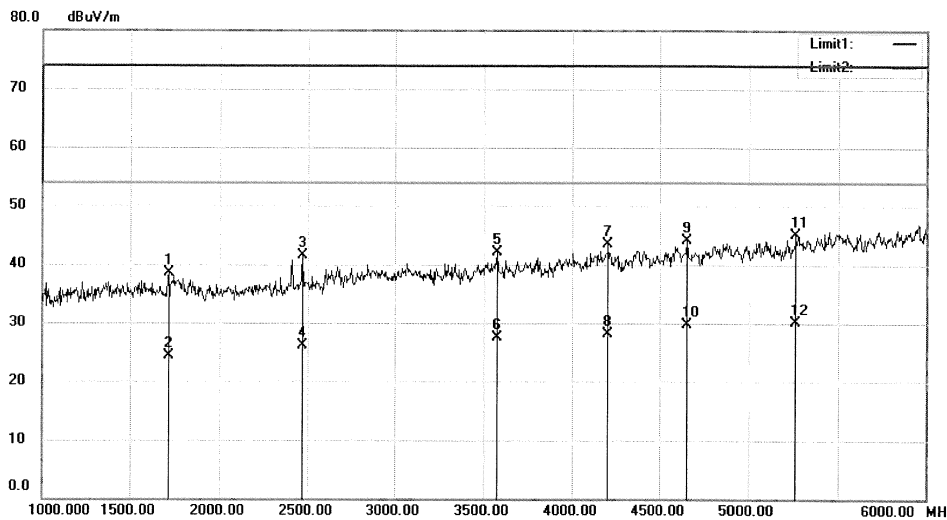
Operator: KK

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Radiated Emission Measurement

File : FENDA

Date : 17/06/01/



Site 3m Chamber #1

 Polarization: **Vertical**

Temperature: 22 C

Limit: (RE)FCC PART 15 CLASS B

Power: AC 120V/60Hz

Humidity: 50 %

EUT: Bluetooth Stereo Speaker

M/N: NS-CSPBTWP1

Mode: AUX IN+ CHARGING

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		1715.000	57.67	-19.15	38.52	74.00	-35.48	peak			
2		1715.000	43.45	-19.15	24.30	54.00	-29.70	AVG			
3		2470.000	59.38	-17.80	41.58	74.00	-32.42	peak			
4		2470.000	43.90	-17.80	26.10	54.00	-27.90	AVG			
5		3575.000	57.50	-15.46	42.04	74.00	-31.96	peak			
6		3575.000	42.96	-15.46	27.50	54.00	-26.50	AVG			
7		4205.000	58.38	-14.96	43.42	74.00	-30.58	peak			
8		4205.000	43.06	-14.96	28.10	54.00	-25.90	AVG			
9		4655.000	58.46	-14.36	44.10	74.00	-29.90	peak			
10		4655.000	44.16	-14.36	29.80	54.00	-24.20	AVG			
11		5265.000	58.25	-13.14	45.11	74.00	-28.89	peak			
12	*	5265.000	43.34	-13.14	30.20	54.00	-23.80	AVG			

*:Maximum data x:Over limit !:over margin

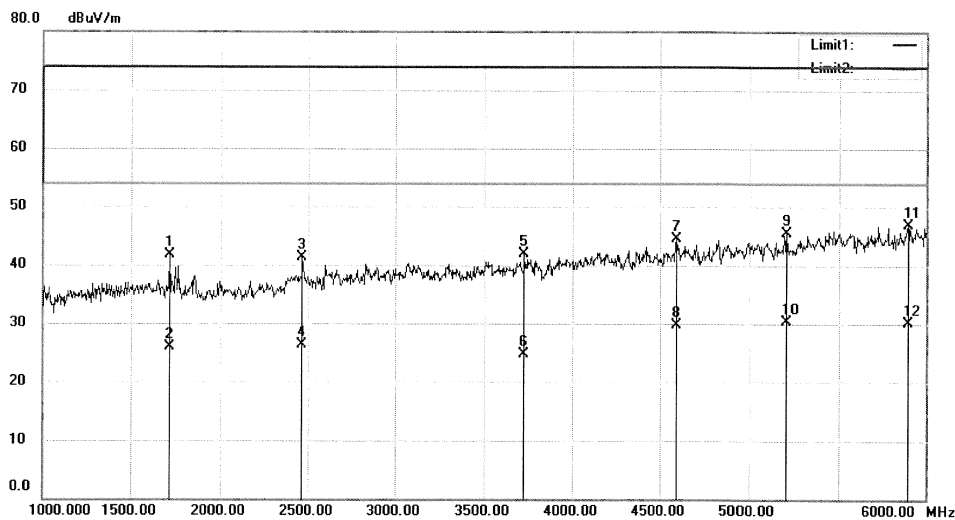
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Radiated Emission Measurement

File : FENDA

Date: 17/06/01/



Site 3m Chamber #1

 Polarization: **Horizontal**

Temperature: 22 C

Limit: (RE)FCC PART 15 CLASS B

Power: AC 120V/60Hz

Humidity: 50 %

EUT: Bluetooth Stereo Speaker

M/N: NS-CSPBTWP1

Mode: AUX IN+ DISCHARGING

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		1715.000	60.88	-19.15	41.73	74.00	-32.27	peak			
2		1715.000	45.05	-19.15	25.90	54.00	-28.10	AVG			
3		2465.000	59.18	-17.82	41.36	74.00	-32.64	peak			
4		2465.000	44.12	-17.82	26.30	54.00	-27.70	AVG			
5		3725.000	57.28	-15.38	41.90	74.00	-32.10	peak			
6		3725.000	40.08	-15.38	24.70	54.00	-29.30	AVG			
7		4595.000	58.91	-14.44	44.47	74.00	-29.53	peak			
8		4595.000	44.24	-14.44	29.80	54.00	-24.20	AVG			
9		5210.000	58.77	-13.30	45.47	74.00	-28.53	peak			
10	*	5210.000	43.60	-13.30	30.30	54.00	-23.70	AVG			
11		5895.000	58.21	-11.33	46.88	74.00	-27.12	peak			
12		5895.000	41.43	-11.33	30.10	54.00	-23.90	AVG			

*:Maximum data x:Over limit !:over margin

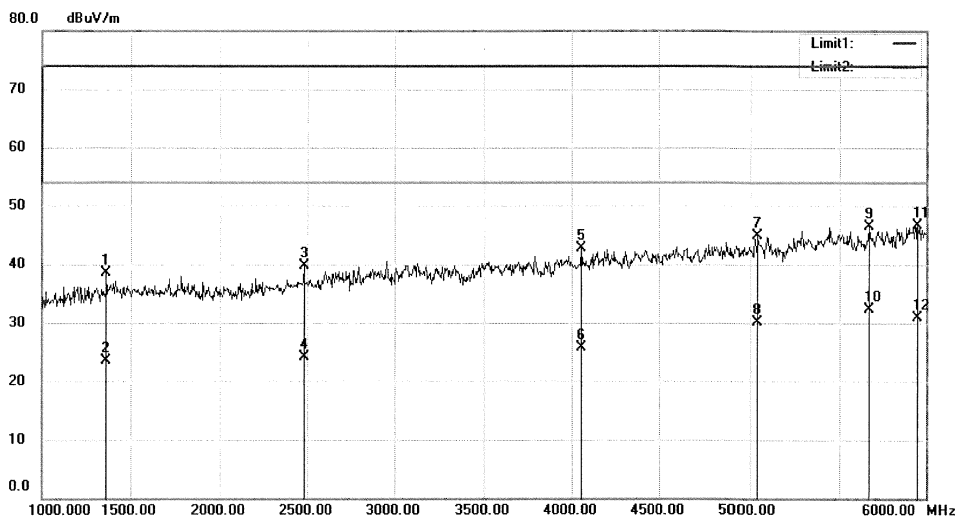
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Radiated Emission Measurement

File: FENDA

Date: 17/06/01/



Site 3m Chamber #1 Polarization: **Vertical** Temperature: 22 C
 Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 50 %
 EUT: Bluetooth Stereo Speaker
 M/N: NS-CSPBTWP1
 Mode: AUX IN+ DISCHARGING
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		1365.000	57.09	-18.60	38.49	74.00	-35.51			peak
2		1365.000	42.10	-18.60	23.50	54.00	-30.50			AVG
3		2480.000	57.56	-17.76	39.80	74.00	-34.20			peak
4		2480.000	41.86	-17.76	24.10	54.00	-29.90			AVG
5		4055.000	57.91	-15.16	42.75	74.00	-31.25			peak
6		4055.000	40.96	-15.16	25.80	54.00	-28.20			AVG
7		5045.000	58.76	-13.77	44.99	74.00	-29.01			peak
8		5045.000	43.87	-13.77	30.10	54.00	-23.90			AVG
9		5670.000	58.40	-11.98	46.42	74.00	-27.58			peak
10	*	5670.000	44.38	-11.98	32.40	54.00	-21.60			AVG
11		5950.000	57.78	-11.17	46.61	74.00	-27.39			peak
12		5950.000	42.07	-11.17	30.90	54.00	-23.10			AVG

*:Maximum data x:Over limit !:over margin

Operator: KK

6. Safety Human exposure

6.1 Radio Frequency Exposure Compliance

6.1.1 Electromagnetic Fields

RESULT:**Pass**

Test standard : RSS-102 Issue 5 March 2015
FCC KDB Publication 447498 D01 v06

The maximum e.i.r.p. of the transmitter is 3.39 mW (5.3 dBm) only, which less than 4mW. Hence the EUT is exempted from routine evaluation limits (SAR Evaluation) according to clause 2.5.1 of RSS-102 Issue 5.

Since maximum conducted outputpower of the transmitter is 1.7 mW(2.2dBm)<10mW, from EUT to human is 5mm, hence the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01 General RF Exposure Guidance v06.

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