

Figure 11: Test figure of spurious emissions, mode A.2, Y polarity (9kHz – 30MHz)

ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3m Radiated

EUT: Diamond Bluetooth Speaker M/N:DIABTSPKPPRM
Manufacturer: THUMBS UP(UK) LTD
Operating Condition: TX 2441MHz
Test Site: 2# Chamber
Operator: LGWADE
Test Specification: DC 3.7V
Comment: Y
Start of Test: 2017-2-17 /

SCAN TABLE: "LFRE Fin"

Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M

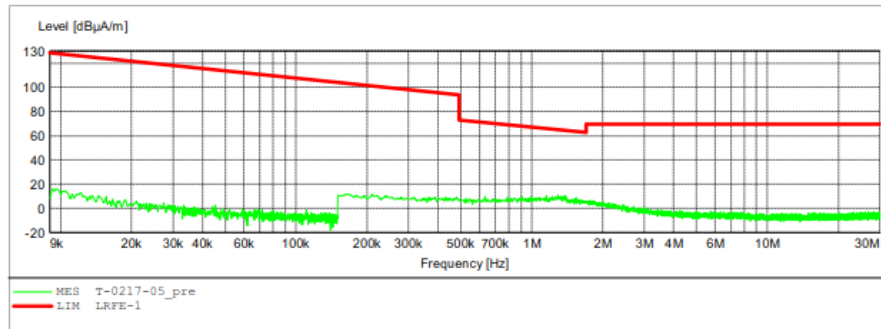


Figure 12: Test figure of spurious emissions, mode A.2, Z polarity (9kHz – 30MHz)

ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3m Radiated

EUT: Diamond Bluetooth Speaker M/N:DIABTSPKPPRM
 Manufacturer: THUMBS UP(UK) LTD
 Operating Condition: TX 2441MHz
 Test Site: 2# Chamber
 Operator: LGWADE
 Test Specification: DC 3.7V
 Comment: Z
 Start of Test: 2017-2-17 /

SCAN TABLE: "LFRE Fin"

Start	Stop	Step	_SUB STD	VTERM2	1.70	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M			
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M			

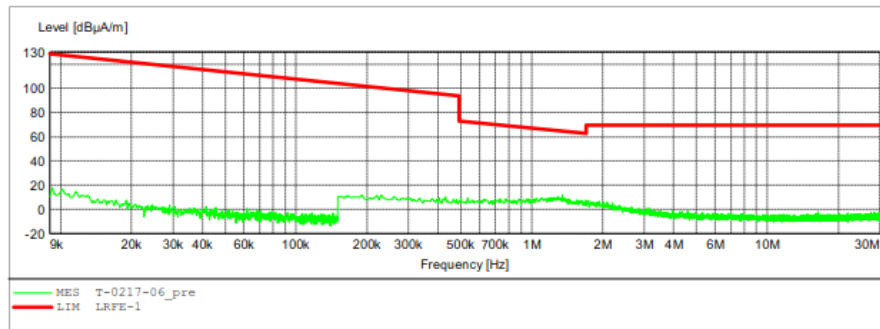


Figure 13: Test figure of spurious emissions, mode A.2, Horizontal polarity (30MHz – 1GHz)



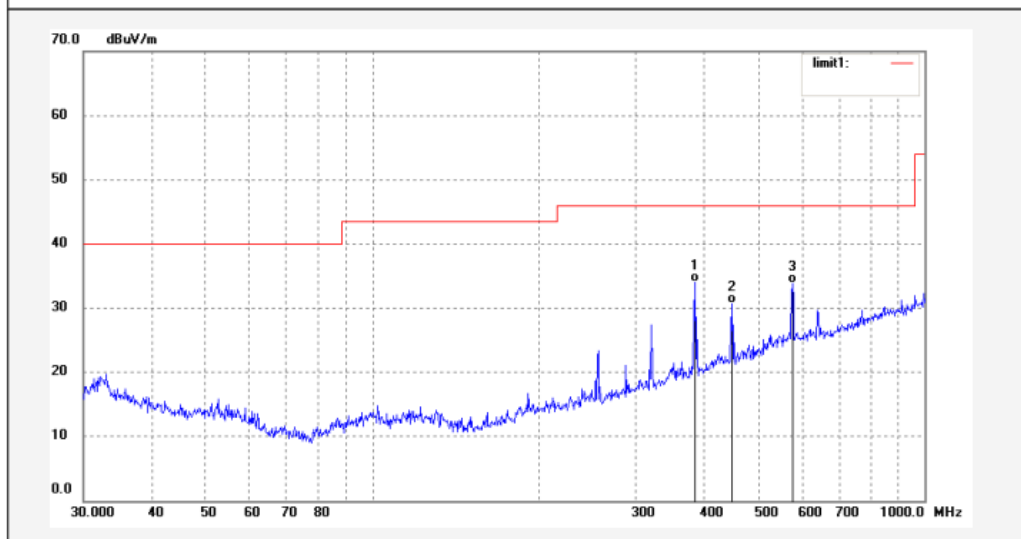
ACCURATE TECHNOLOGY CO., LTD.

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Site: 2# Chamber
Tel:+86-0755-26503290
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Job No.: LGW2017 #1087	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 17/02/08/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Diamond Bluetooth Speaker	Engineer Signature: LGWADE
Mode: TX 2441MHz	Distance: 3m
Model: DIABTSPKPPRM	
Manufacturer: THUMBS UP(UK) LTD	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	383.9318	40.93	-6.94	33.99	46.00	-12.01	QP			
2	447.9821	36.06	-5.38	30.68	46.00	-15.32	QP			
3	576.6443	36.48	-2.60	33.88	46.00	-12.12	QP			

Figure 14: Test figure of spurious emissions, mode A.2, Vertical polarity (30MHz – 1GHz)

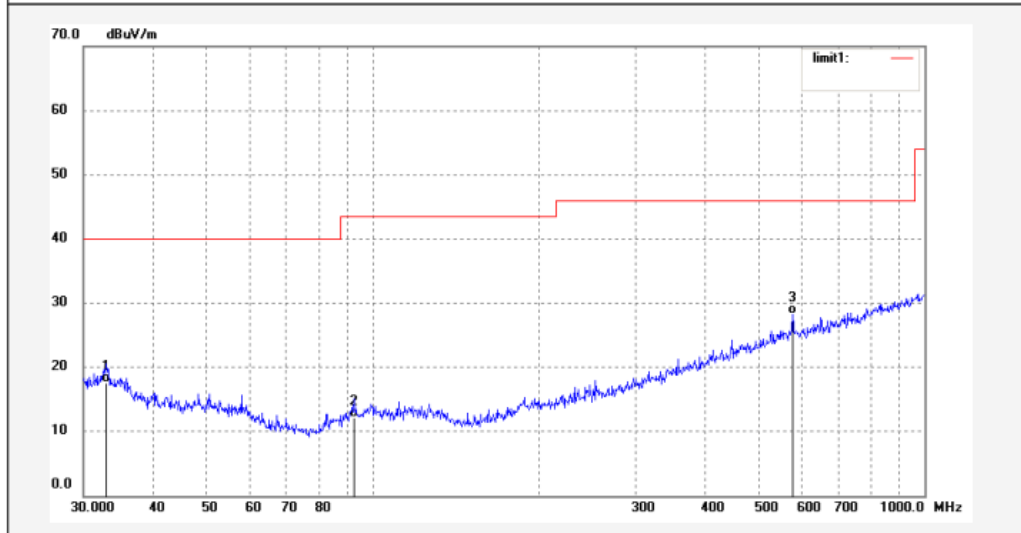


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Site: 2# Chamber
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Job No.: LGW2017 #1086	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 17/02/08/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Diamond Bluetooth Speaker	Engineer Signature: LGWADE
Mode: TX 2441MHz	Distance: 3m
Model: DIABTSPKPPRM	
Manufacturer: THUMBS UP(UK) LTD	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	32.9791	27.41	-9.82	17.59	40.00	-22.41	QP			
2	92.7871	26.97	-14.87	12.10	43.50	-31.40	QP			
3	576.6443	30.83	-2.60	28.23	46.00	-17.77	QP			

Figure 15: Test figure of spurious emissions, mode A.2, Horizontal polarity (1GHz – 18GHz)

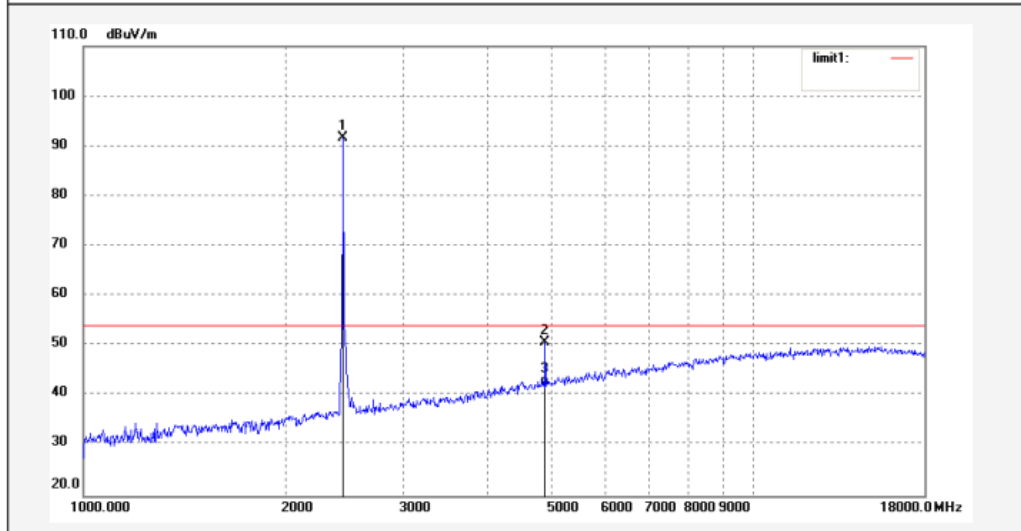


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Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LGW2017 #1056	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 17/02/08/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Diamond Bluetooth Speaker	Engineer Signature: LGWADE
Mode: TX 2441MHz	Distance: 3m
Model: DIABTSPKPPRM	
Manufacturer: THUMBS UP(UK) LTD	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2441.000	93.07	-1.44	91.63	/	/	peak			
2	4882.030	45.13	5.61	50.74	74.00	-23.26	peak			
3	4882.030	36.62	5.61	42.23	54.00	-11.77	AVG			

Figure 16: Test figure of spurious emissions, mode A.2, Vertical polarity (1GHz – 18GHz)

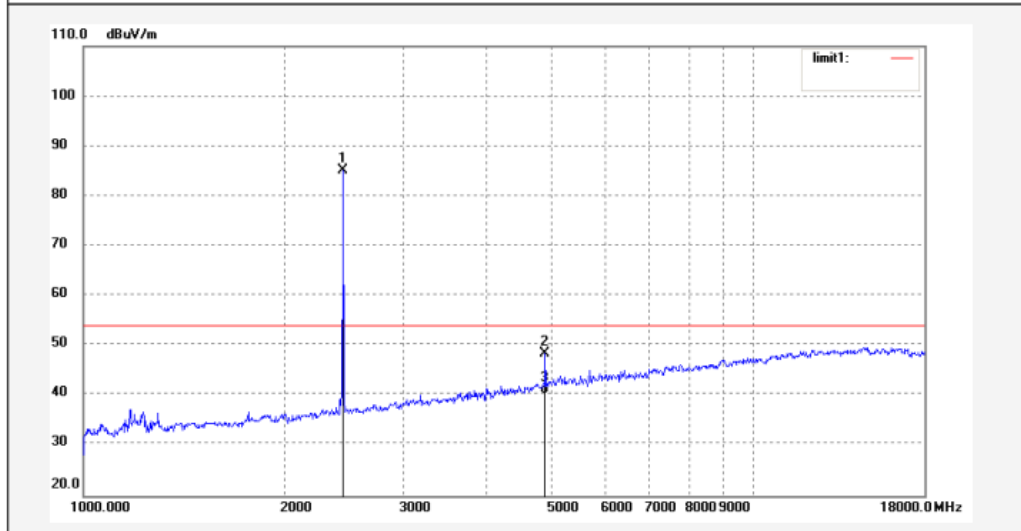


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Site: 2# Chamber
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Job No.: LGW2017 #1057	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 17/02/08/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Diamond Bluetooth Speaker	Engineer Signature: LGWADE
Mode: TX 2441MHz	Distance: 3m
Model: DIABTSPKPPRM	
Manufacturer: THUMBS UP(UK) LTD	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2441.000	86.56	-1.44	85.12	/	/	peak			
2	4882.027	42.93	5.61	48.54	74.00	-25.46	peak			
3	4882.027	34.73	5.61	40.34	54.00	-13.66	AVG			

Figure 17: Test figure of spurious emissions, mode A.2, Horizontal polarity (18GHz – 25GHz)

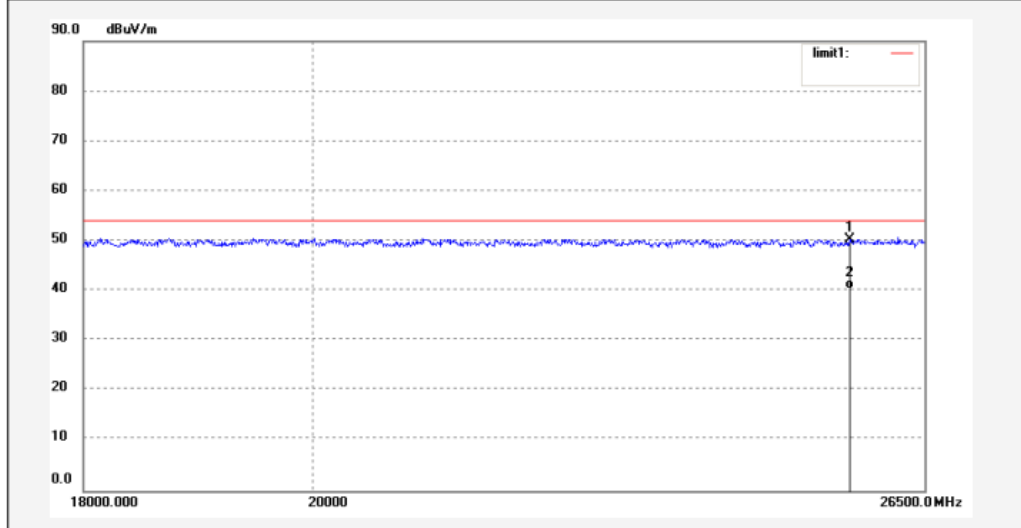


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Site: 2# Chamber
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Job No.: LGW2017 #1064	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 17/02/08/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Diamond Bluetooth Speaker	Engineer Signature: LGWADE
Mode: TX 2441MHz	Distance: 3m
Model: DIABTSPKPPRM	
Manufacturer: THUMBS UP(UK) LTD	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	25603.318	10.22	40.05	50.27	74.00	-23.73	peak			
2	25603.318	0.28	40.05	40.33	54.00	-13.67	AVG			

Figure 18: Test figure of spurious emissions, mode A.2, Vertical polarity (18GHz – 25GHz)



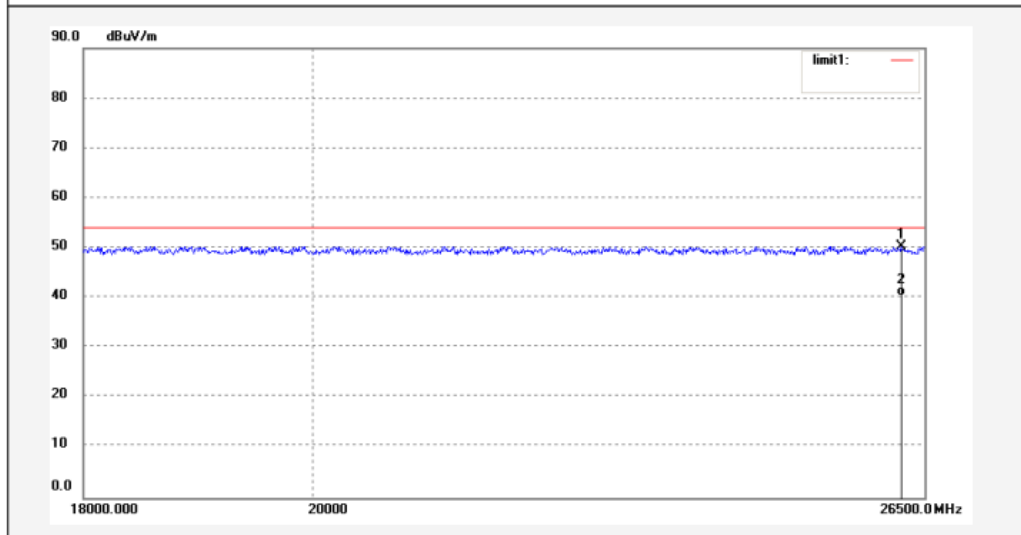
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Site: 2# Chamber
 Tel:+86-0755-26503290
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Job No.: LGW2017 #1065	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 17/02/08/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Diamond Bluetooth Speaker	Engineer Signature: LGWADE
Mode: TX 2441MHz	Distance: 3m
Model: DIABTSPKPPRM	
Manufacturer: THUMBS UP(UK) LTD	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26214.563	9.25	40.95	50.20	74.00	-23.80	peak			
2	26214.563	-0.49	40.95	40.46	54.00	-13.54	AVG			

Figure 19: Test figure of spurious emissions, mode A.3, X polarity (9kHz – 30MHz)

ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3m Radiated

EUT: Diamond Bluetooth Speaker M/N:DIABTSPKPPRM
Manufacturer: THUMBS UP(UK) LTD
Operating Condition: TX 2480MHz
Test Site: 2# Chamber
Operator: LGWADE
Test Specification: DC 3.7V
Comment: X
Start of Test: 2017-2-17 /

SCAN TABLE: "LFRE Fin"

Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M

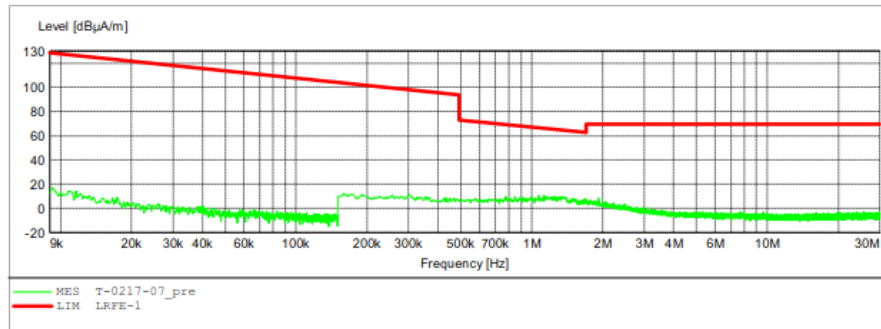


Figure 20: Test figure of spurious emissions, mode A.3, Y polarity (9kHz – 30MHz)

ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3m Radiated

EUT: Diamond Bluetooth Speaker M/N:DIABTSPKPPRM
Manufacturer: THUMBS UP(UK) LTD
Operating Condition: TX 2480MHz
Test Site: 2# Chamber
Operator: LGWADE
Test Specification: DC 3.7V
Comment: Y
Start of Test: 2017-2-17 /

SCAN TABLE: "LFRE Fin"

Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M

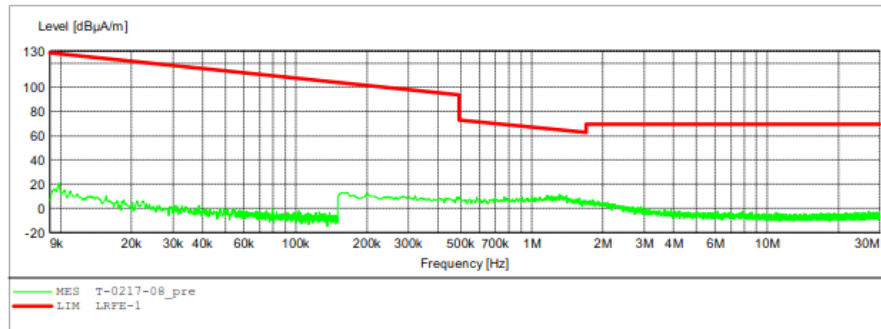


Figure 21: Test figure of spurious emissions, mode A.3, Z polarity (9kHz – 30MHz)

ACCURATE TECHNOLOGY CO.,LTD

FCC Class B 3m Radiated

EUT: Diamond Bluetooth Speaker M/N:DIABTSPKPPRM
 Manufacturer: THUMBS UP(UK) LTD
 Operating Condition: TX 2480MHz
 Test Site: 2# Chamber
 Operator: LGWADE
 Test Specification: DC 3.7V
 Comment: Z
 Start of Test: 2017-2-17 /

SCAN TABLE: "LFRE Fin"

Start	Stop	Step	_SUB STD	VTERM2	1.70	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M			
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M			

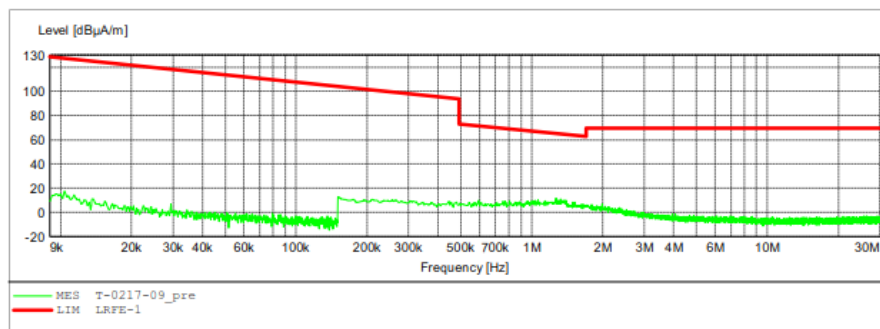


Figure 22: Test figure of spurious emissions, mode A.3, Horizontal polarity (30MHz – 1GHz)

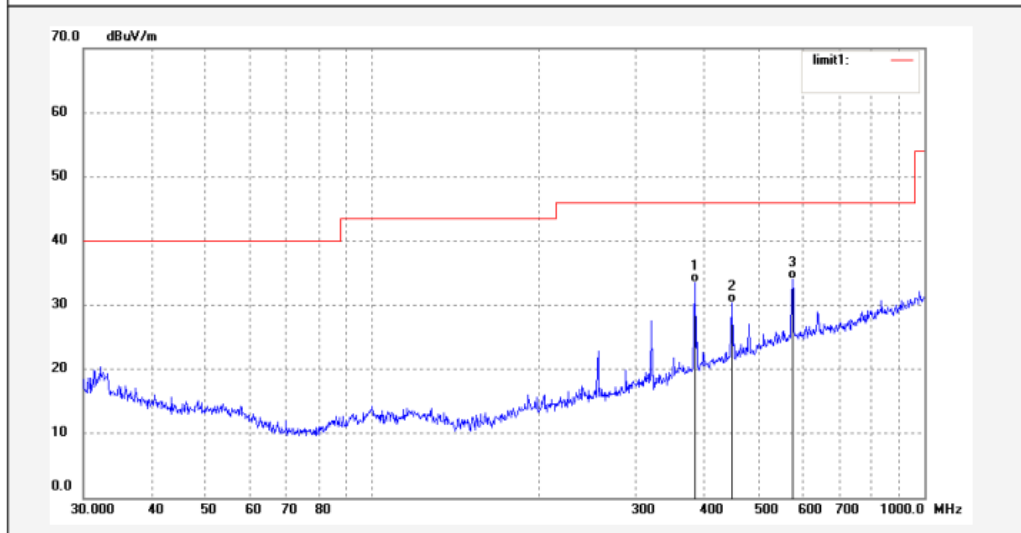


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Site: 2# Chamber
Tel:+86-0755-26503290
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Job No.: LGW2017 #1088	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 17/02/08/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Diamond Bluetooth Speaker	Engineer Signature: LGWADE
Mode: TX 2480MHz	Distance: 3m
Model: DIABTSPKPPRM	
Manufacturer: THUMBS UP(UK) LTD	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	383.9318	40.45	-6.94	33.51	46.00	-12.49	QP			
2	447.9821	35.73	-5.38	30.35	46.00	-15.65	QP			
3	576.6443	36.70	-2.60	34.10	46.00	-11.90	QP			

Figure 23: Test figure of spurious emissions, mode A.3, Vertical polarity (30MHz – 1GHz)

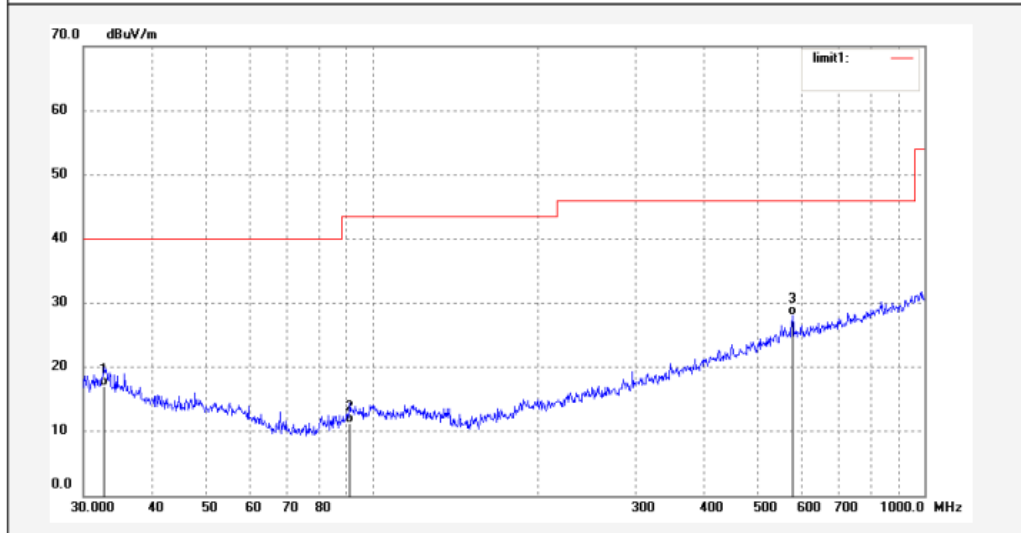


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Site: 2# Chamber
Tel:+86-0755-26503290
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Job No.: LGW2017 #1089	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 17/02/08/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Diamond Bluetooth Speaker	Engineer Signature: LGWADE
Mode: TX 2480MHz	Distance: 3m
Model: DIABTSPKPPRM	
Manufacturer: THUMBS UP(UK) LTD	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	32.7486	26.78	-9.75	17.03	40.00	-22.97	QP			
2	91.1745	26.32	-14.96	11.36	43.50	-32.14	QP			
3	576.6443	30.65	-2.60	28.05	46.00	-17.95	QP			

Figure 24: Test figure of spurious emissions, mode A.3, Horizontal polarity (1GHz –18GHz)

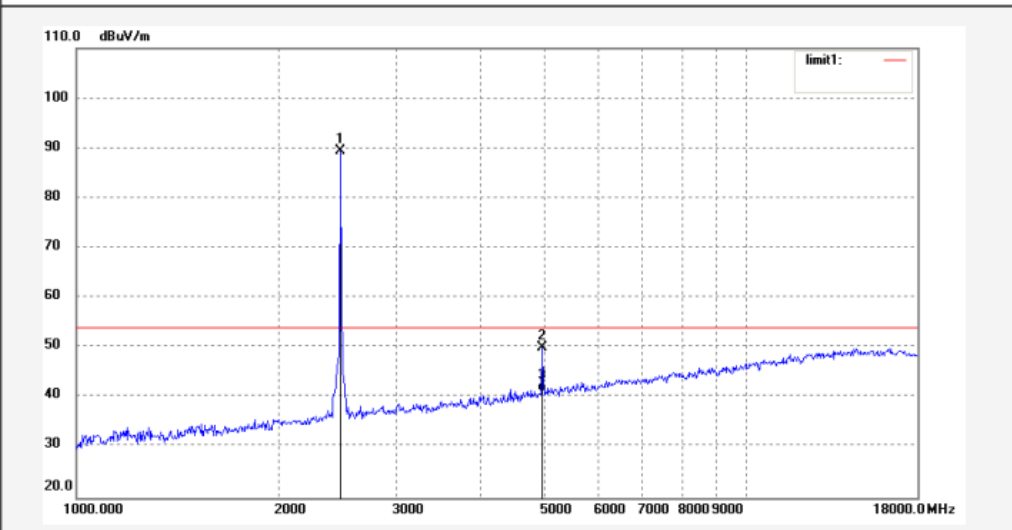


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Site: 2# Chamber
Tel:+86-0755-26503290
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Job No.: LGW2017 #1059	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 17/02/08/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Diamond Bluetooth Speaker	Engineer Signature: LGWADE
Mode: TX 2480MHz	Distance: 3m
Model: DIABTSPKPPRM	
Manufacturer: THUMBS UP(UK) LTD	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2480.000	90.72	-1.40	89.32	/	/	peak			
2	4960.028	43.83	6.10	49.93	74.00	-24.07	peak			
3	4960.028	35.23	6.10	41.33	54.00	-12.67	AVG			

Figure 25: Test figure of spurious emissions, mode A.3, Vertical polarity (1GHz – 18GHz)

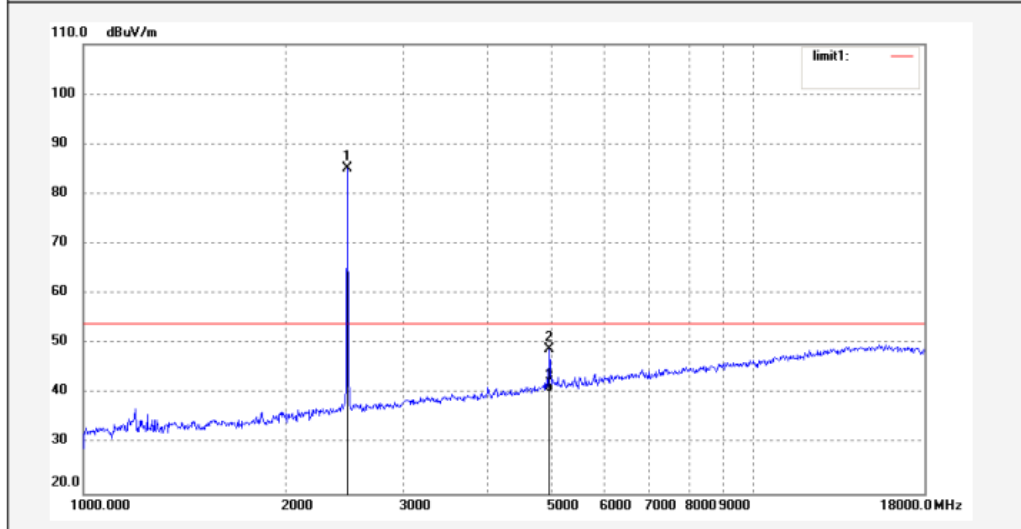


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Site: 2# Chamber
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Job No.: LGW2017 #1058	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 17/02/08/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Diamond Bluetooth Speaker	Engineer Signature: LGWADE
Mode: TX 2480MHz	Distance: 3m
Model: DIABTSPKPPRM	
Manufacturer: THUMBS UP(UK) LTD	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2480.000	86.47	-1.40	85.07	/	/	peak			
2	4960.029	42.80	6.10	48.90	74.00	-25.10	peak			
3	4960.029	34.24	6.10	40.34	54.00	-13.66	AVG			

Figure 26: Test figure of spurious emissions, mode A.3, Horizontal polarity (18GHz –25GHz)

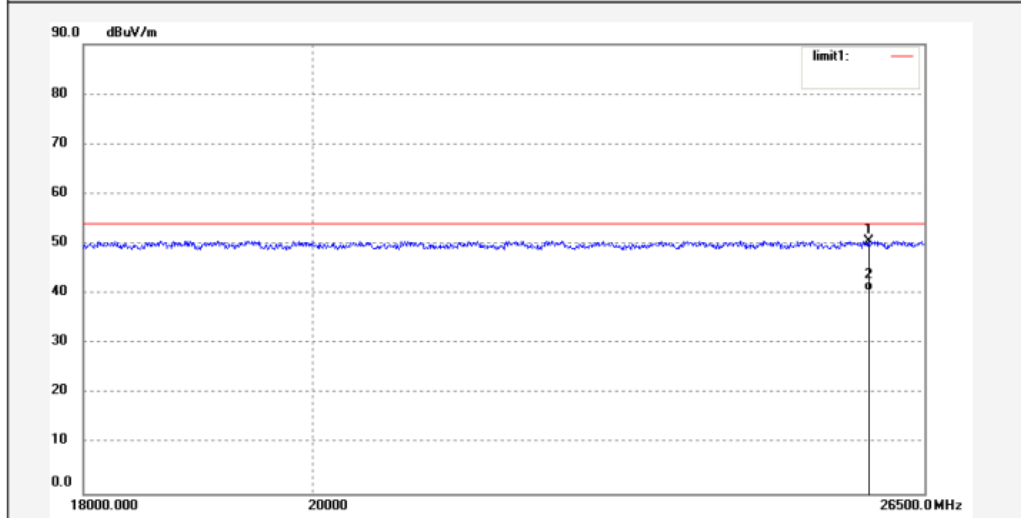


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Site: 2# Chamber
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 Fax:+86-0755-26503396

Job No.: LGW2017 #1067	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 17/02/08/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Diamond Bluetooth Speaker	Engineer Signature: LGWADE
Mode: TX 2480MHz	Distance: 3m
Model: DIABTSPKPPRM	
Manufacturer: THUMBS UP(UK) LTD	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	25832.095	10.33	40.16	50.49	74.00	-23.51	peak			
2	25832.095	0.53	40.16	40.69	54.00	-13.31	AVG			

Figure 27: Test figure of spurious emissions, mode A.3, Vertical polarity (18GHz – 25GHz)

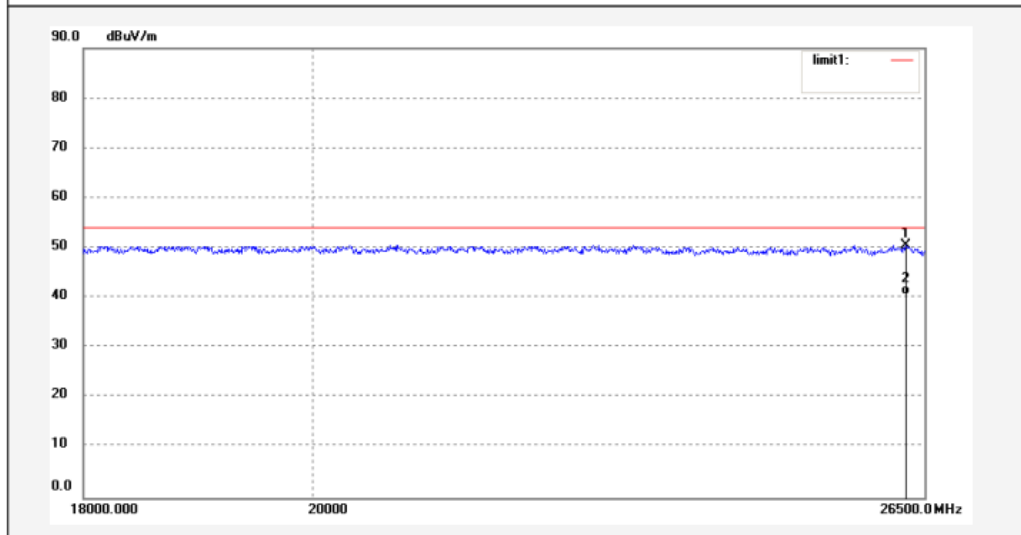


ACCURATE TECHNOLOGY CO., LTD.
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Site: 2# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.: LGW2017 #1066	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 17/02/08/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Diamond Bluetooth Speaker	Engineer Signature: LGWADE
Mode: TX 2480MHz	Distance: 3m
Model: DIABTSPKPPRM	
Manufacturer: THUMBS UP(UK) LTD	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26275.468	9.56	40.94	50.50	74.00	-23.50	peak			
2	26275.468	-0.35	40.94	40.59	54.00	-13.41	AVG			

Figure 28: Test figure of Radiated emissions in restricted bands, Mode A.1, Horizontal

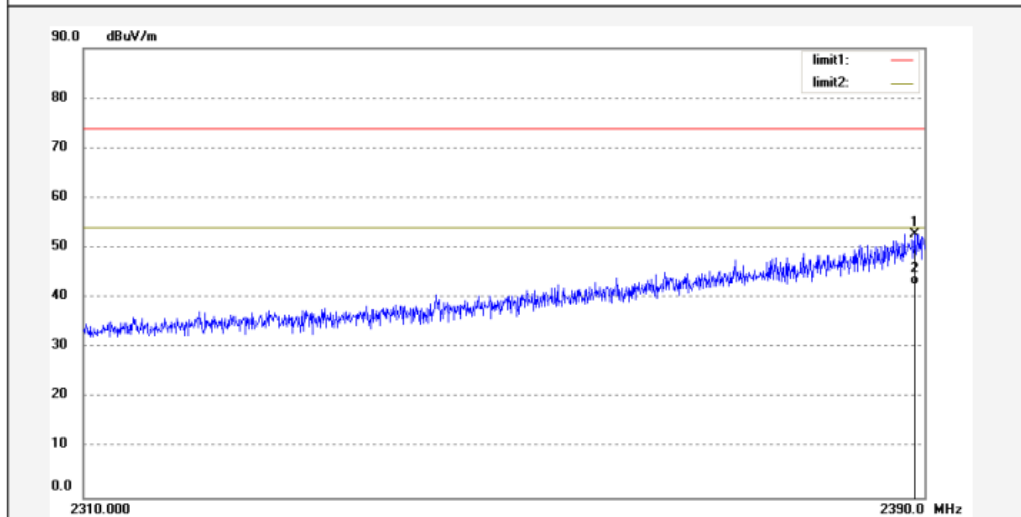


ACCURATE TECHNOLOGY CO., LTD.
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Site: 2# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.: LGW2017 #1055	Polarization: Horizontal
Standard: FCC (Band Edge)	Power Source: DC 3.7V
Test item: Radiation Test	Date: 17/02/08/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Diamond Bluetooth Speaker	Engineer Signature: LGWADE
Mode: TX 2402MHz	Distance: 3m
Model: DIABTSPKPPRM	
Manufacturer: THUMBS UP(UK) LTD	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2389.040	54.46	-1.71	52.75	74.00	-21.25	peak			
2	2389.040	44.26	-1.71	42.55	54.00	-11.45	AVG			

Figure 29: Test figure of Radiated emissions in restricted bands, Mode A.1, Vertical

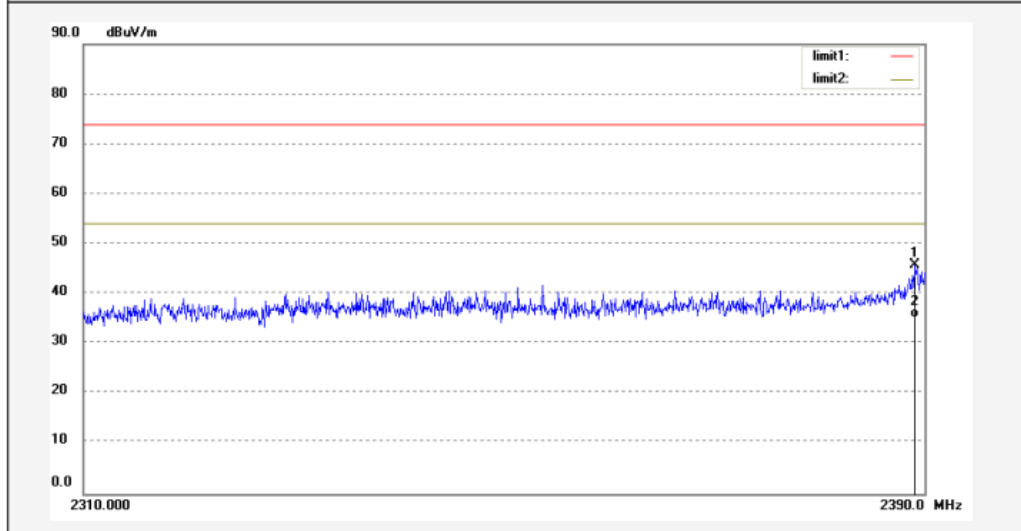


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Job No.: LGW2017 #1054	Polarization: Vertical
Standard: FCC (Band Edge)	Power Source: DC 3.7V
Test item: Radiation Test	Date: 17/02/08/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Diamond Bluetooth Speaker	Engineer Signature: LGWADE
Mode: TX 2402MHz	Distance: 3m
Model: DIABTSPKPPRM	
Manufacturer: THUMBS UP(UK) LTD	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2389.120	47.47	-1.71	45.76	74.00	-28.24	peak			
2	2389.120	36.83	-1.71	35.12	54.00	-18.88	AVG			

Figure 30: Test figure of Radiated emissions in restricted bands, Mode A.3, Horizontal

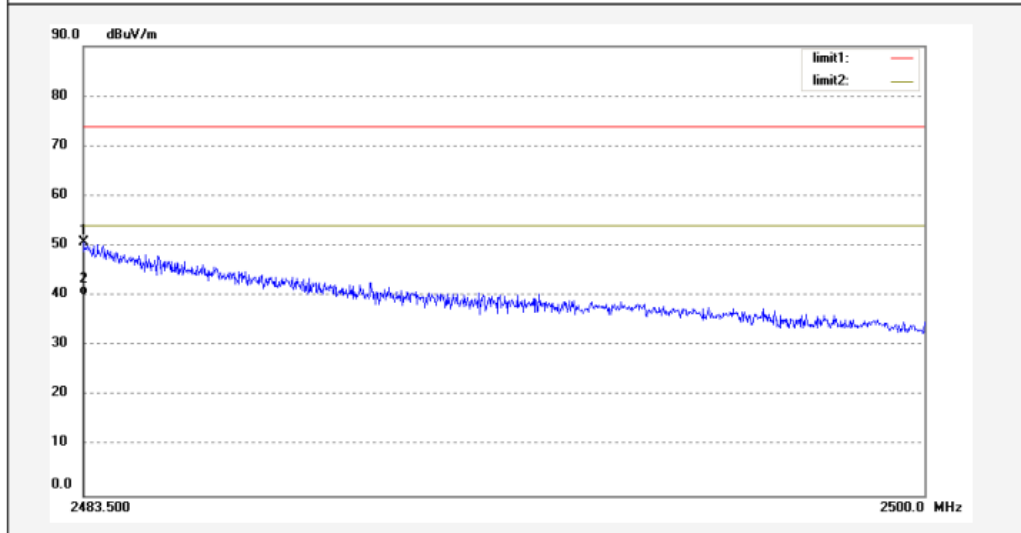


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Job No.: LGW2017 #1060	Polarization: Horizontal
Standard: FCC (Band Edge)	Power Source: DC 3.7V
Test item: Radiation Test	Date: 17/02/08/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Diamond Bluetooth Speaker	Engineer Signature: LGWADE
Mode: TX 2480MHz	Distance: 3m
Model: DIABTSPKPPRM	
Manufacturer: THUMBS UP(UK) LTD	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	52.03	-1.40	50.63	74.00	-23.37	peak			
2	2483.500	41.61	-1.40	40.21	54.00	-13.79	AVG			

Figure 31: Test figure of Radiated emissions in restricted bands, Mode A.3, Vertical

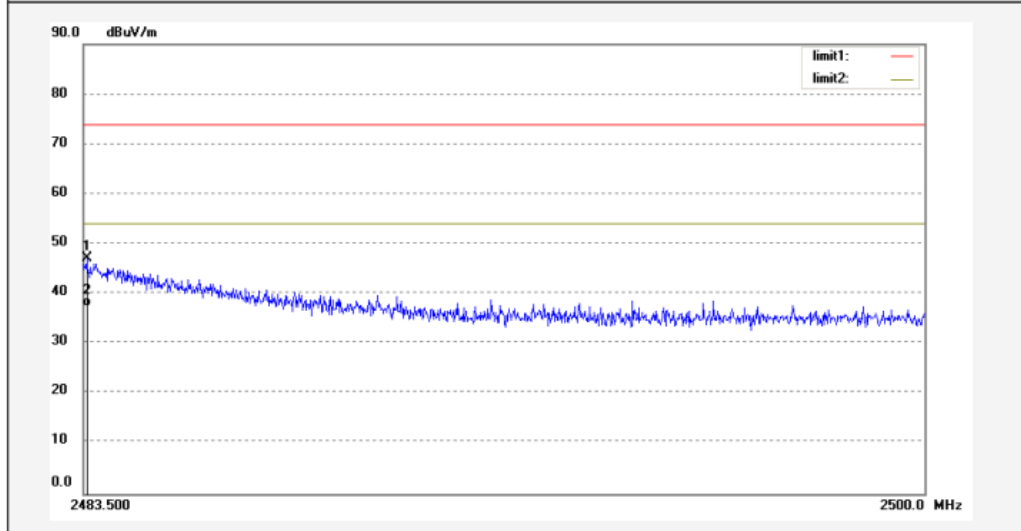


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Site: 2# Chamber
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Job No.: LGW2017 #1061	Polarization: Vertical
Standard: FCC (Band Edge)	Power Source: DC 3.7V
Test item: Radiation Test	Date: 17/02/08/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Diamond Bluetooth Speaker	Engineer Signature: LGWADE
Mode: TX 2480MHz	Distance: 3m
Model: DIABTSPKPPRM	
Manufacturer: THUMBS UP(UK) LTD	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.566	48.52	-1.40	47.12	74.00	-26.88	peak			
2	2483.566	38.77	-1.40	37.37	54.00	-16.63	AVG			

Figure 32: Test figure of conducted emissions in 100kHz Bandwidth, Mode A.1

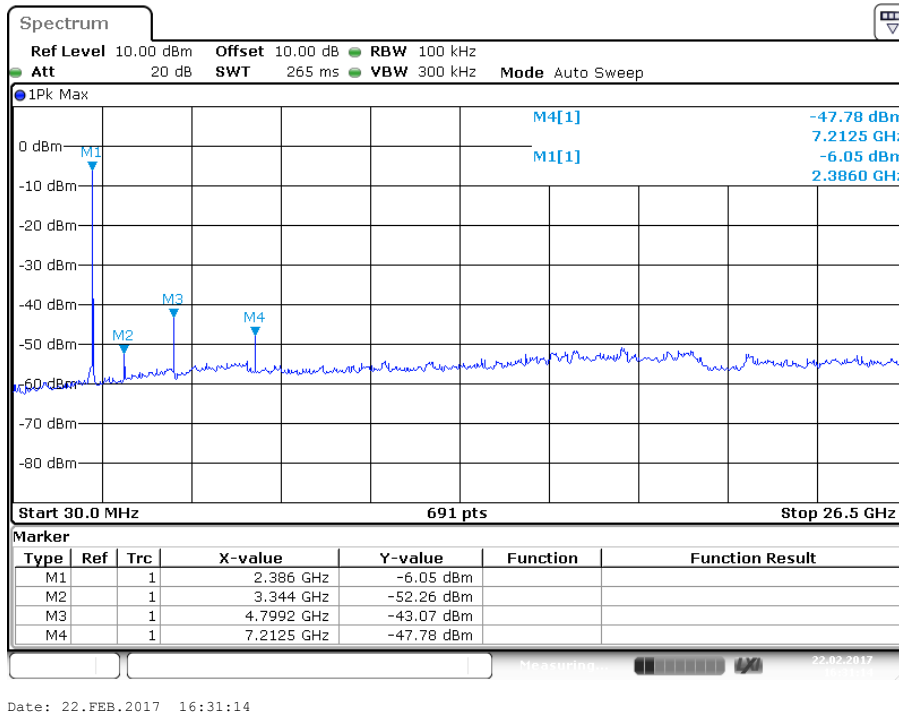


Figure 33: Test figure of conducted emissions in 100kHz Bandwidth, Mode A.2

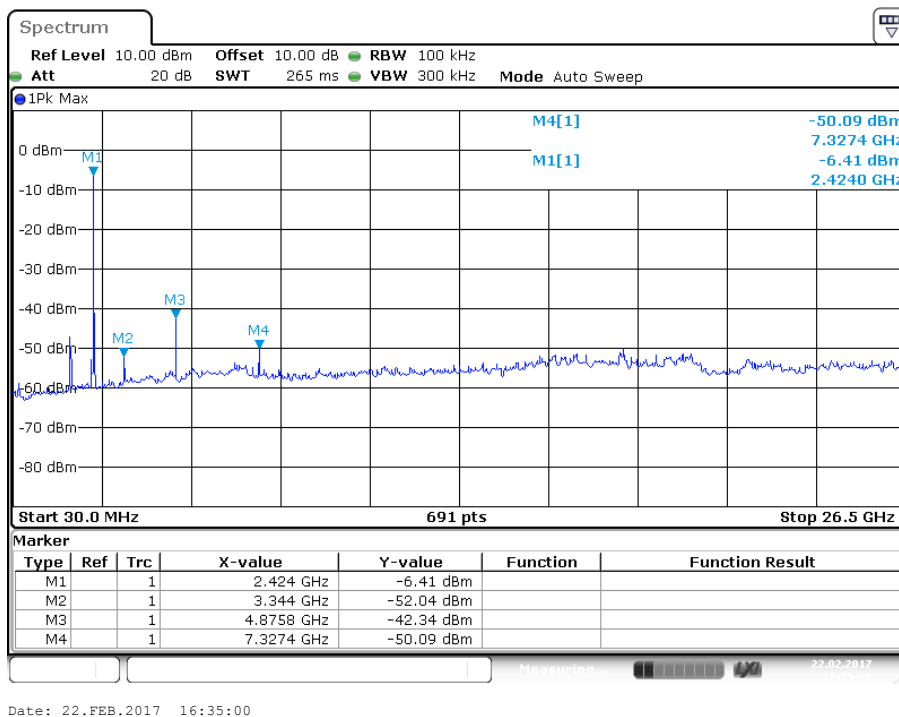
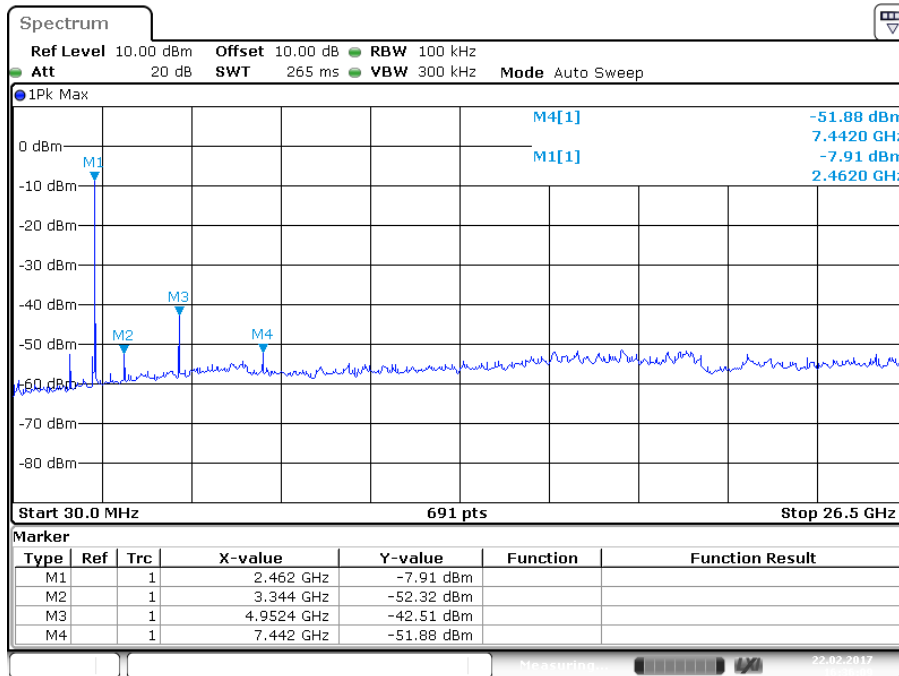
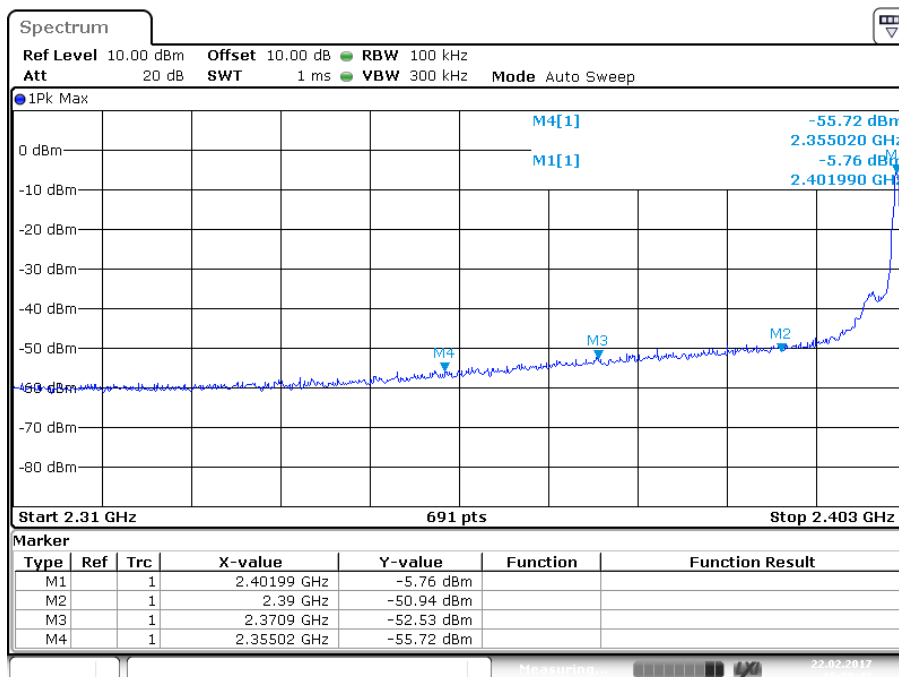


Figure 34: Test figure of conducted emissions in 100kHz Bandwidth, Mode A.3



Date: 22.FEB.2017 16:36:09

Figure 35: Test figure of Frequency Band Edge in 100kHz Bandwidth, Mode A.1



Date: 22.FEB.2017 19:28:42

Figure 36: Test figure of Frequency Band Edge in 100kHz Bandwidth, Mode A.3

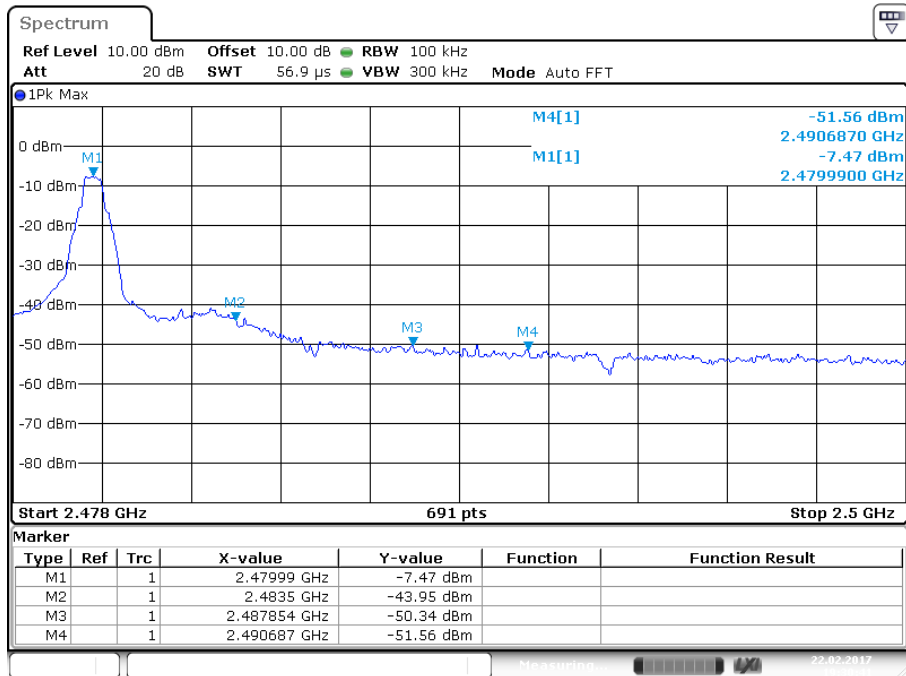


Figure 37: Test figure of Conducted emissions, Mode B, line live

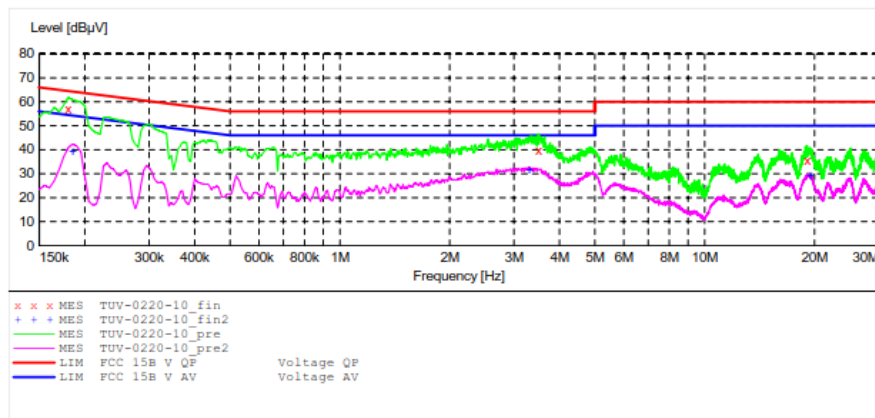
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CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: Diamond Bluetooth Speaker M/N:DIABTSPKPPRM
 Manufacturer: THUMBS UP(UK) LTD
 Operating Condition: TX
 Test Site: 1#Shielding Room
 Operator: WADE
 Test Specification: L 120V/60Hz
 Comment: Mains Port
 Start of Test: 2/20/2017 /

SCAN TABLE: "V 9K-30MHz fin"

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	NSLK8126 2008
150.0 kHz	30.0 MHz	5.0 kHz	Average	QuasiPeak	1.0 s	9 kHz NSLK8126 2008
			Average			



MEASUREMENT RESULT: "TUV-0220-10_fin"

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.180000	57.30	10.5	65	7.2	QP	L1	GND
3.500000	39.60	11.1	56	16.4	QP	L1	GND
19.090000	35.40	11.4	60	24.6	QP	L1	GND

MEASUREMENT RESULT: "TUV-0220-10_fin2"

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.185000	39.10	10.5	54	15.2	AV	L1	GND
3.300000	31.60	11.1	46	14.4	AV	L1	GND
19.420000	28.90	11.4	50	21.1	AV	L1	GND

Figure 38: Test figure of Conducted emissions, Mode B, line neutral

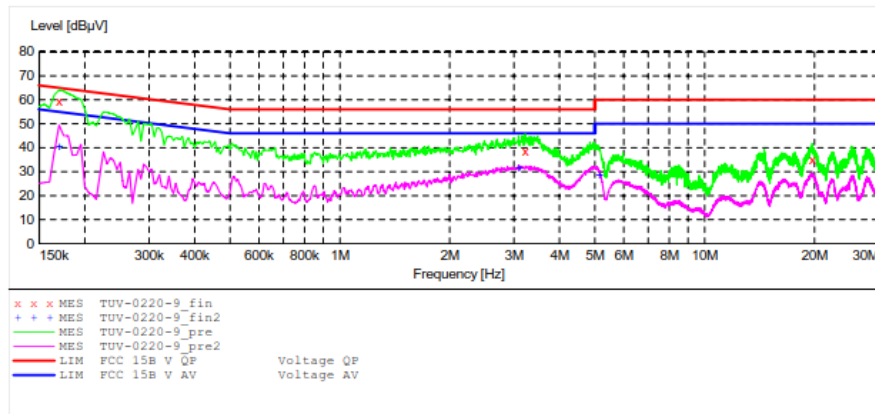
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: Diamond Bluetooth Speaker M/N:DIABTSPKPPRM
 Manufacturer: THUMBS UP(UK) LTD
 Operating Condition: TX
 Test Site: 1#Shielding Room
 Operator: WADE
 Test Specification: N 120V/60Hz
 Comment: Mains Port
 Start of Test: 2/20/2017 /

SCAN TABLE: "V 9K-30MHz fin"

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	NSLK8126 2008
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	NSLK8126 2008



MEASUREMENT RESULT: "TUV-0220-9_fin"

2/20/2017

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.170000	59.30	10.5	65	5.7	QP	N	GND
3.220000	38.70	11.1	56	17.3	QP	N	GND
19.705000	34.90	11.4	60	25.1	QP	N	GND

MEASUREMENT RESULT: "TUV-0220-9_fin2"

2/20/2017

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.170000	40.10	10.5	55	14.9	AV	N	GND
3.090000	31.50	11.1	46	14.5	AV	N	GND
5.140000	28.60	11.2	50	21.4	AV	N	GND

Figure 39: Test figure of Conducted emissions, Mode C+D, line live

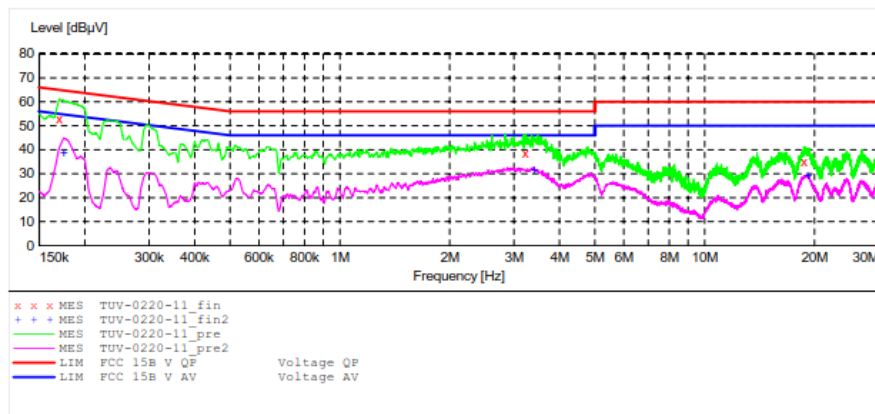
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: Diamond Bluetooth Speaker M/N:DIABTSPKPPRM
 Manufacturer: THUMBS UP(UK) LTD
 Operating Condition: Charging + Aux in
 Test Site: 1#Shielding Room
 Operator: WADE
 Test Specification: L 120V/60Hz
 Comment: Mains Port
 Start of Test: 2/20/2017 /

SCAN TABLE: "V 9K-30MHz fin"

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	NSLK8126 2008
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	NSLK8126 2008



MEASUREMENT RESULT: "TUV-0220-11_fin"

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.170000	52.90	10.5	65	12.1	QP	L1	GND
3.220000	38.70	11.1	56	17.3	QP	L1	GND
18.700000	34.90	11.4	60	25.1	QP	L1	GND

MEASUREMENT RESULT: "TUV-0220-11_fin2"

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.175000	38.40	10.5	55	16.3	AV	L1	GND
3.400000	31.30	11.1	46	14.7	AV	L1	GND
19.180000	28.80	11.4	50	21.2	AV	L1	GND

Figure 40: Test figure of Conducted emissions, Mode C+D, line neutral

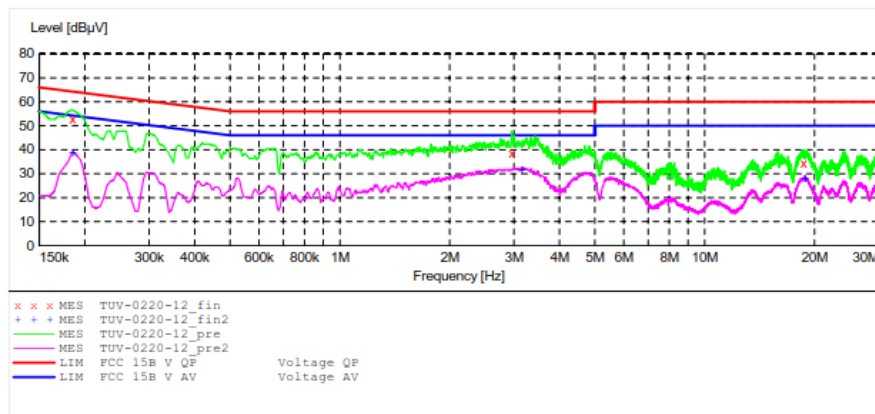
ACCURATE TECHNOLOGY CO.,LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: Diamond Bluetooth Speaker M/N:DIABTSPKPPRM
 Manufacturer: THUMBS UP(UK) LTD
 Operating Condition: Charging + Aux in
 Test Site: 1#Shielding Room
 Operator: WADE
 Test Specification: N 120V/60Hz
 Comment: Mains Port
 Start of Test: 2/20/2017 /

SCAN TABLE: "V 9K-30MHz fin"

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	NSLK8126 2008
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	NSLK8126 2008



MEASUREMENT RESULT: "TUV-0220-12_fin"

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.185000	52.90	10.5	64	11.4	QP	N	GND
2.960000	38.30	11.1	56	17.7	QP	N	GND
18.655000	34.30	11.4	60	25.7	QP	N	GND

MEASUREMENT RESULT: "TUV-0220-12_fin2"

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.185000	38.60	10.5	54	15.7	AV	N	GND
3.150000	31.50	11.1	46	14.5	AV	N	GND
18.820000	27.70	11.4	50	22.3	AV	N	GND

Figure 41: Test figure of Radiated emissions, Mode C, Below 1GHz, Horizontal

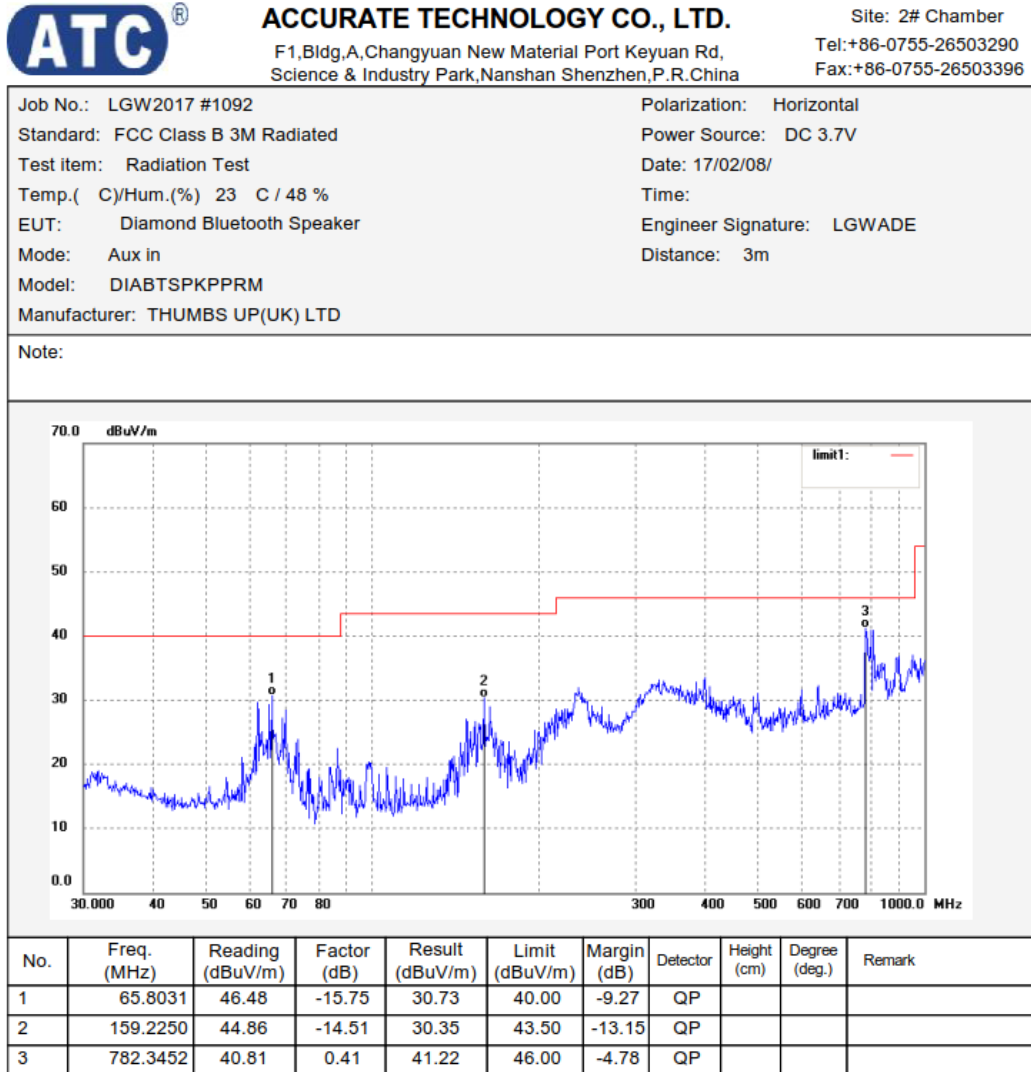


Figure 42: Test figure of Radiated emissions, Mode C, Below 1GHz, Vertical

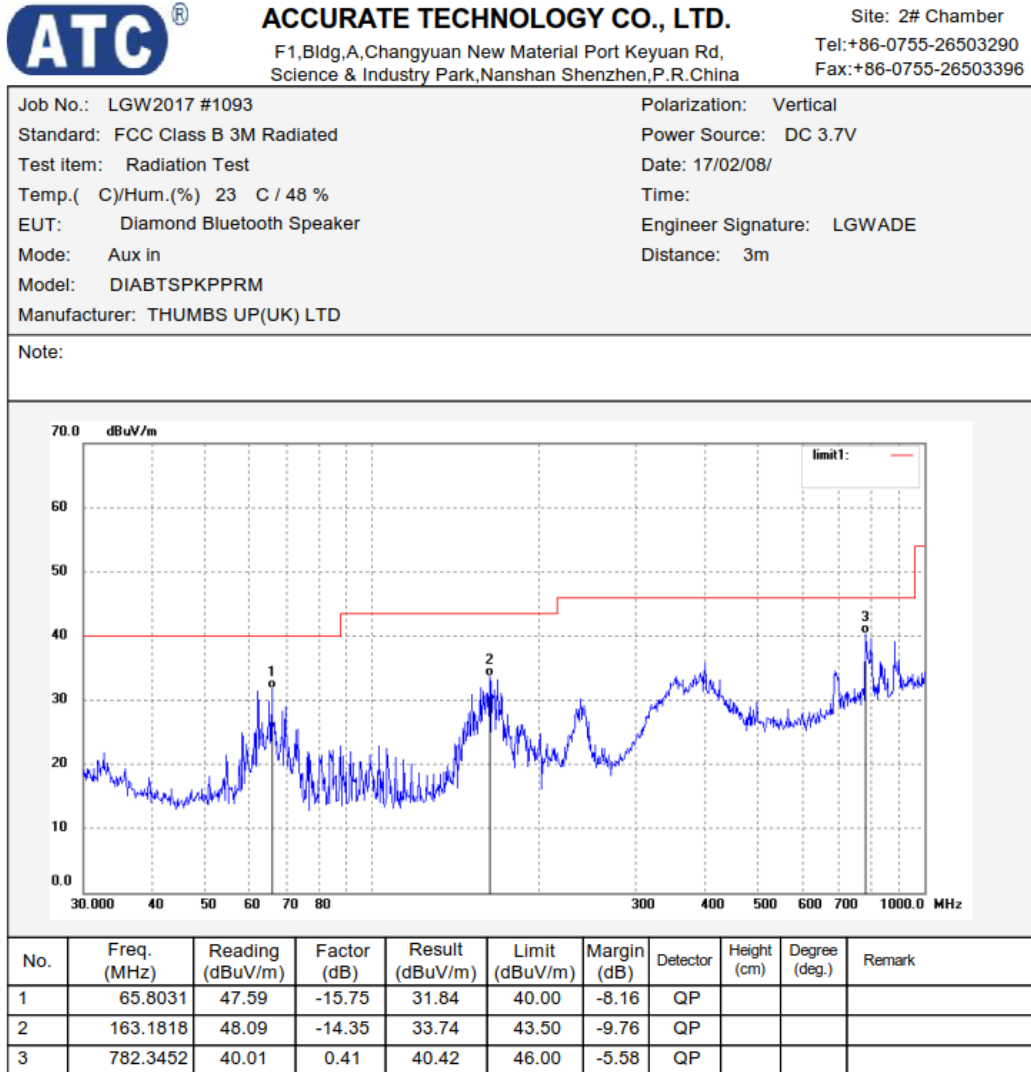


Figure 43: Test figure of Radiated emissions, Mode C, Above 1GHz, Horizontal

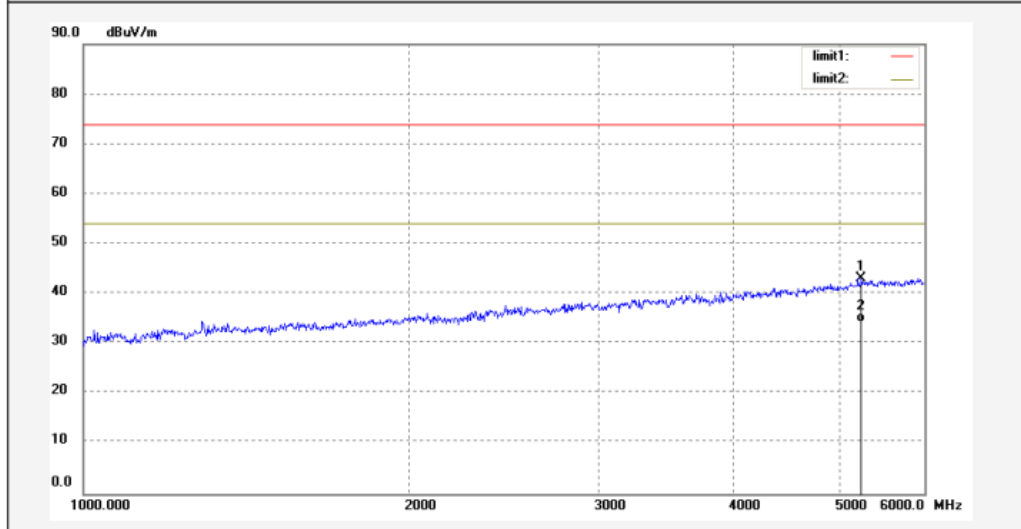


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Job No.: LGW2017 #1111	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 17/02/08/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Diamond Bluetooth Speaker	Engineer Signature: LGWADE
Mode: Aux in	Distance: 3m
Model: DIABTSPKPPRM	
Manufacturer: THUMBS UP(UK) LTD	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5245.536	36.33	6.73	43.06	74.00	-30.94	peak			
2	5245.536	27.62	6.73	34.35	54.00	-19.65	AVG			

Figure 44: Test figure of Radiated emissions, Mode C, Above 1GHz, Vertical

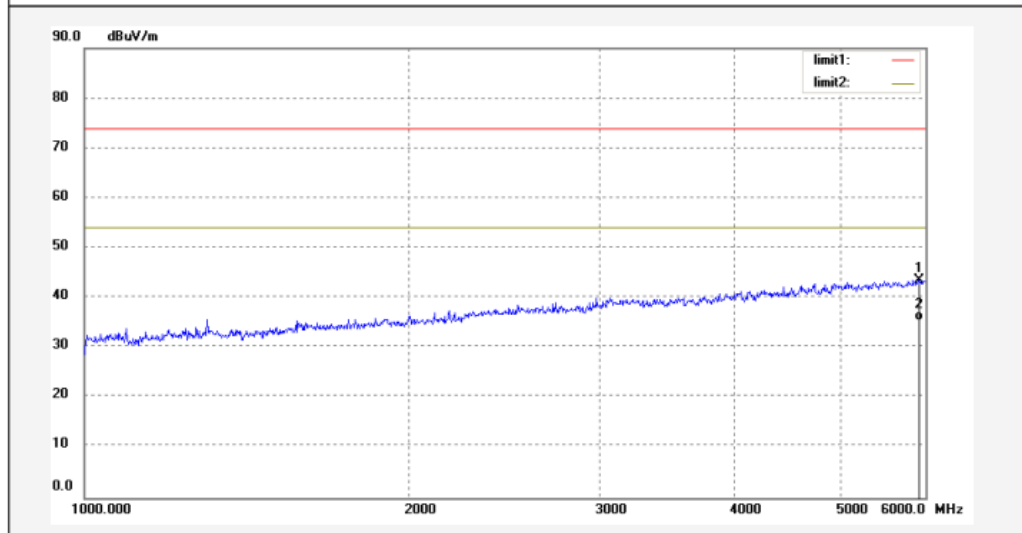


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Job No.: LGW2017 #1110	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 17/02/08/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Diamond Bluetooth Speaker	Engineer Signature: LGWADE
Mode: Aux in	Distance: 3m
Model: DIABTSPKPPRM	
Manufacturer: THUMBS UP(UK) LTD	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5925.216	35.10	8.50	43.60	74.00	-30.40	peak			
2	5925.216	27.01	8.50	35.51	54.00	-18.49	AVG			

Figure 45: Test figure of Radiated emissions, Mode D, Below 1GHz, Horizontal

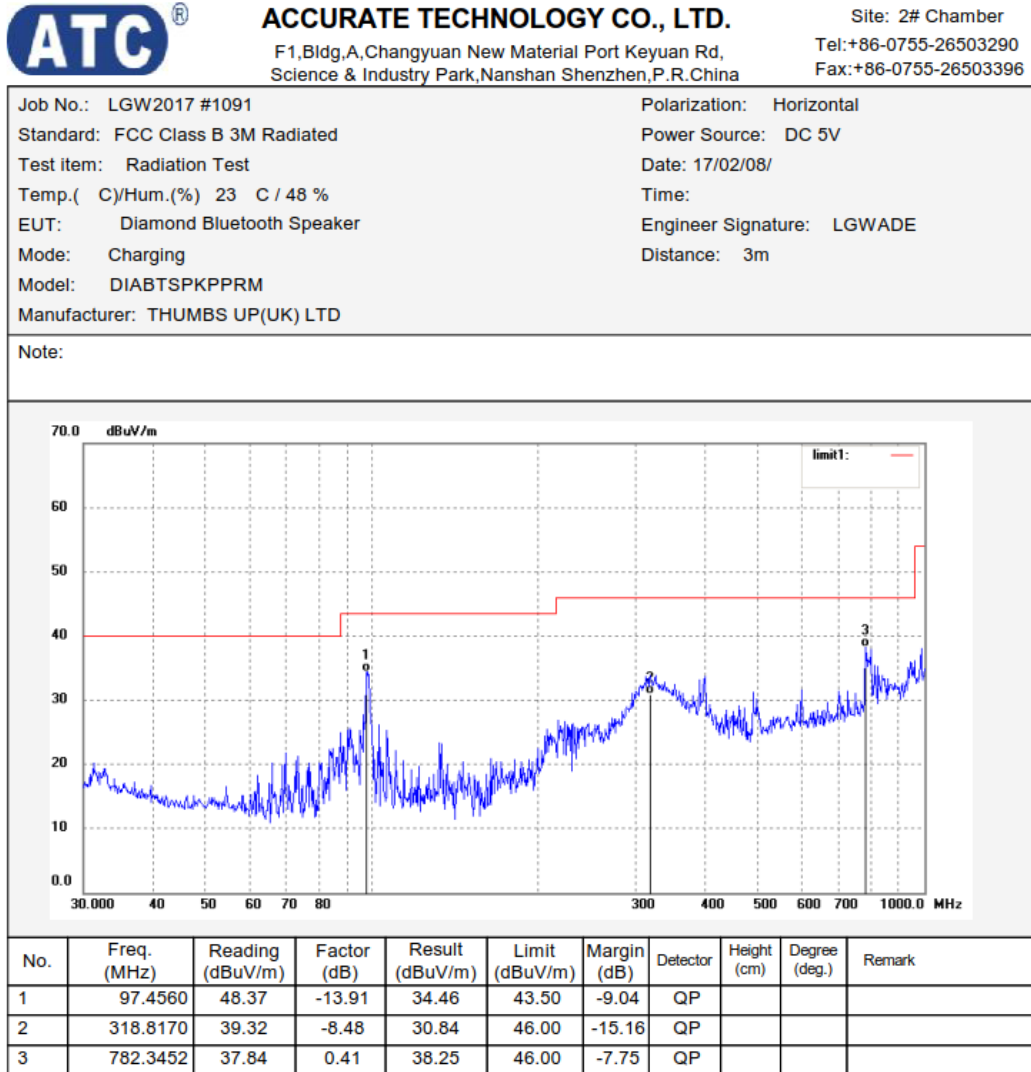


Figure 46: Test figure of Radiated emissions, Mode D, Below 1GHz, Vertical

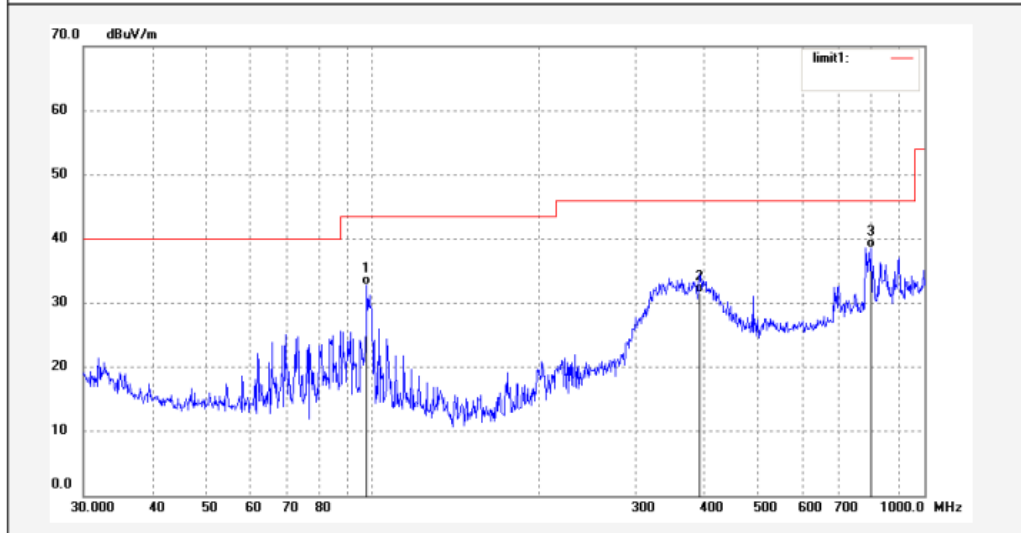


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Job No.: LGW2017 #1090	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 5V
Test item: Radiation Test	Date: 17/02/08/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Diamond Bluetooth Speaker	Engineer Signature: LGWADE
Mode: Charging	Distance: 3m
Model: DIABTSPKPPRM	
Manufacturer: THUMBS UP(UK) LTD	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	97.7980	46.58	-13.80	32.78	43.50	-10.72	QP			
2	392.0951	38.28	-6.77	31.51	46.00	-14.49	QP			
3	798.9796	37.78	0.81	38.59	46.00	-7.41	QP			

Figure 47: Test figure of Radiated emissions, Mode D, Above 1GHz, Horizontal

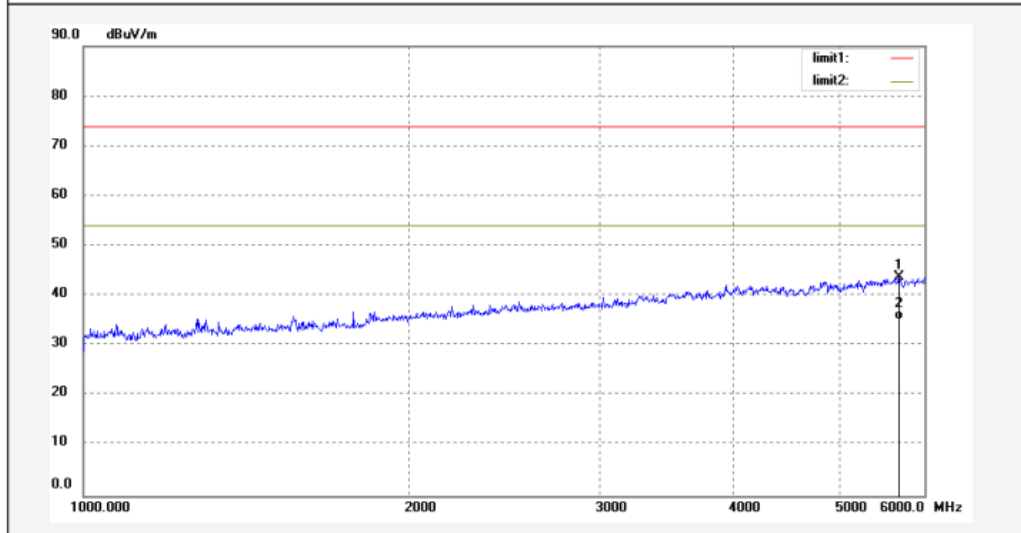


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 Fax:+86-0755-26503396

Job No.: LGW2017 #1112	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 5V
Test item: Radiation Test	Date: 17/02/08/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Diamond Bluetooth Speaker	Engineer Signature: LGWADE
Mode: Charging	Distance: 3m
Model: DIABTSPKPPRM	
Manufacturer: THUMBS UP(UK) LTD	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5685.998	36.34	7.53	43.87	74.00	-30.13	peak			
2	5685.998	27.73	7.53	35.26	54.00	-18.74	AVG			

Figure 48: Test figure of Radiated emissions, Mode D, Above 1GHz, Vertical

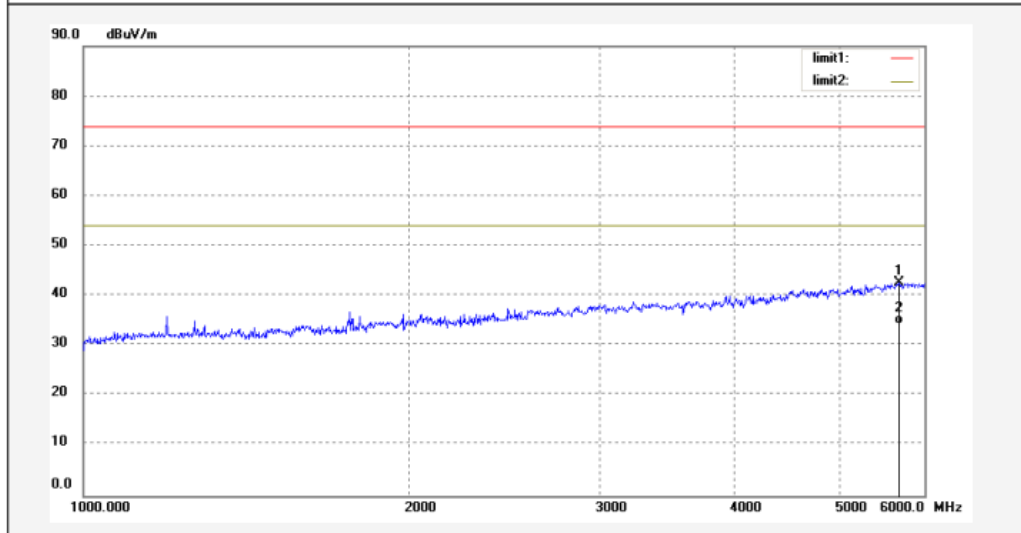


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Job No.: LGW2017 #1113	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 5V
Test item: Radiation Test	Date: 17/02/08/
Temp.(C)/Hum.(%) 23 C / 48 %	Time:
EUT: Diamond Bluetooth Speaker	Engineer Signature: LGWADE
Mode: Charging	Distance: 3m
Model: DIABTSPKPPRM	
Manufacturer: THUMBS UP(UK) LTD	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5685.998	35.02	7.53	42.55	74.00	-31.45	peak			
2	5685.998	26.81	7.53	34.34	54.00	-19.66	AVG			