

7.6. Time of Occupancy Measurement

7.6.1. Test Limit

The maximum permissible time of occupancy is 400ms within a period of 400ms multiplied by the number of hopping channels employed.

7.6.2. Test Procedure Used

ANSI C63.10-2009 - Section 7.7.4

7.6.3. Test Settitng

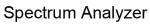
- 1. Span = zero span, centered on a hopping channel.
- 2. RBW = 1MHz
- 3. VBW ≥ RBW
- 4. Sweep time = as necessary to capture the entire dwell time per hopping channel
- 5. Detector = Peak
- 6. Trace mode = max hold

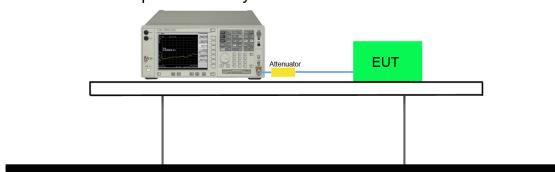
If possible, use the marker-delta function to determine the dwell time. If this value varies with different modes of operation (data rate, modulation format, etc.), repeat this test for each variation. An oscilloscope may be used instead of a spectrum analyzer. The EUT shall show compliance with the appropriate regulatory limit for the number of hopping channels. A plot of the data shall be included in the test report.

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7.6.4. Test Setup



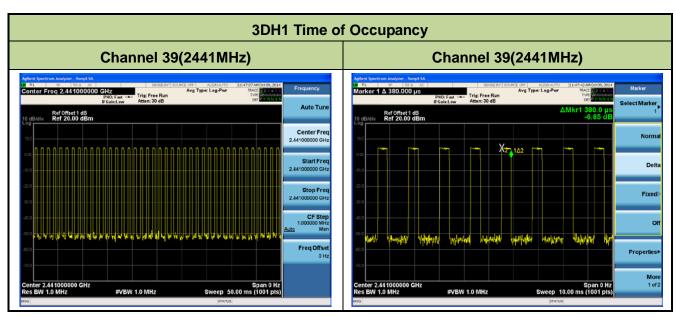


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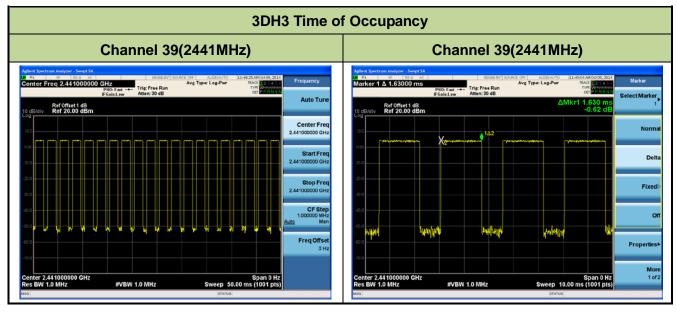


7.6.5. Test Result

Test Mode	Channel No.	Frequency (MHz)	Time of Occupancy (ms)	Limit (ms)	Result
3DH1	39	2441	121.60	< 400	Pass
3DH3	39	2441	260.80	< 400	Pass
3DH5	39	2441	322.56	< 400	Pass



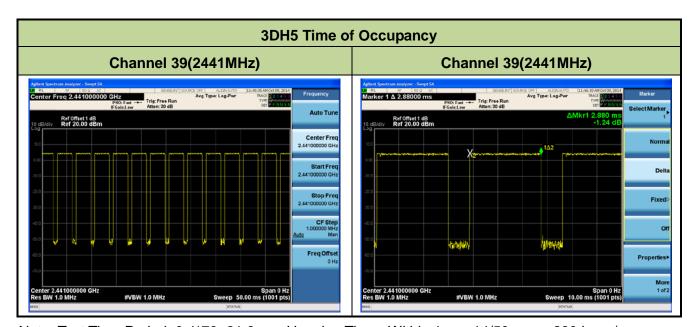
Note: Test Time Period: 0.4*79=31.6sec, Hopping Times Within 1sec: 40/50msec=800 hops/sec.
The Maximum Occupancy Time within 31.6sec: [(0.380ms*800)/79]*31.6 =121.60 msec.



Note: Test Time Period: 0.4*79=31.6sec, Hopping Times Within 1sec: 20/50msec=400hops/sec. The Maximum Occupancy Time within 31.6sec: [(1.630ms*400)/79]*31.6 =260.80 msec.

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Note: Test Time Period: 0.4*79=31.6sec, Hopping Times Within 1sec: 14/50msec=280 hops/sec. The Maximum Occupancy Time within 31.6sec: [(2.880ms*280)/79]*31.6 =322.56 msec.

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7.7. Band-edge Compliance Measurement

7.7.1. Test Limit

The maximum permissible emission level is 20dBc. Any emission lying outside of the emission bandwidth and in authorized band edges to a field strength limit specified in Section 15.209 of the Title 47 CFR.

7.7.2. Test Procedure Used

ANSI C63.10-2009 - Section 7.7.9

7.7.3. Test Setting

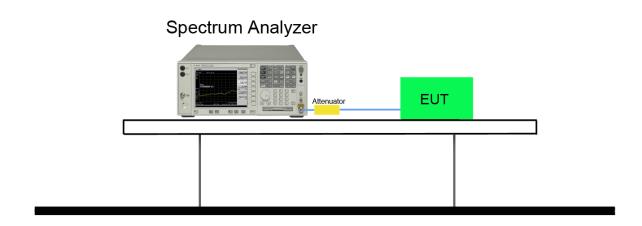
- 1. Span = wide enough to capture the peak level of the emission operating on the channel closest to the band edge, as well as any modulation products which fall outside of the authorized band of operation.
- 2. RBW ≥ 1% of spectrum analyzer display span
- 3. VBW ≥ RBW
- 4. Detector = peak
- 5. Sweep time = auto couple
- 6. Trace mode = max hold
- 7. Trace was allowed to stabilize

Allow the trace to stabilize. Set the marker on the emission at the band edge, or on the highest modulation product outside of the band, if this level is greater than that at the band edge. Enable the marker-delta function, than use the marker-to-peak function to move the marker to the peak of the in-band emission.

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7.7.4. Test Setup

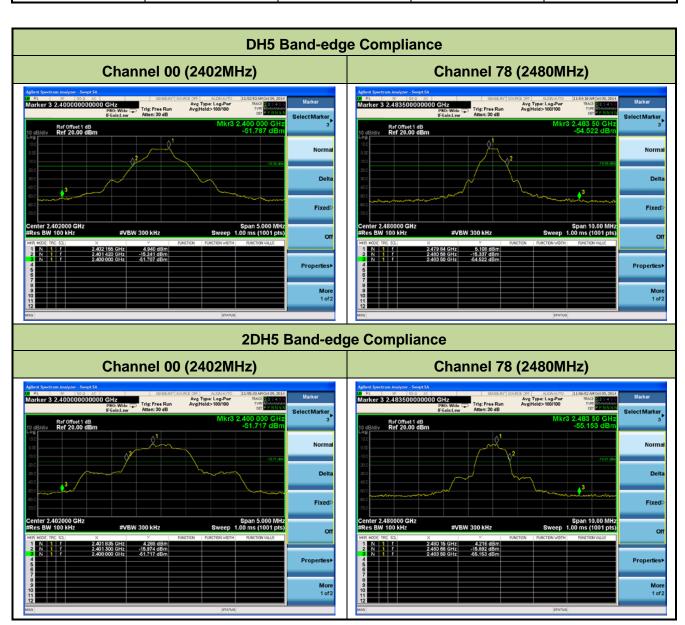


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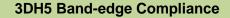
7.7.5. Test Result

Test Mode	Channel No.	Frequency (MHz)	Limit	Result
DH5	00	2402	20dBc	Pass
DH5	78	2480	20dBc	Pass
2DH5	00	2402	20dBc	Pass
2DH5	78	2480	20dBc	Pass
3DH5	00	2402	20dBc	Pass
3DH5	78	2480	20dBc	Pass



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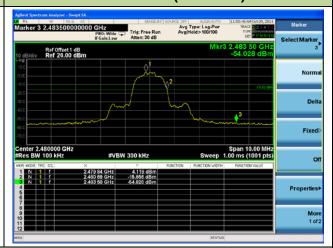




Channel 00 (2402MHz)

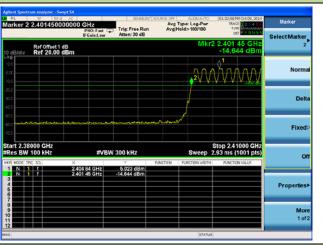


Channel 78 (2480MHz)

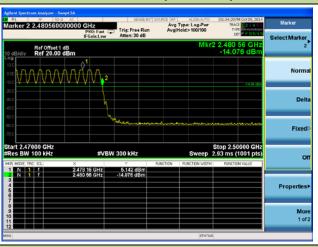


DH5 Operation Frequency Range of 20dB Bandwidth within Hopping Mode

Channel 00 (2402MHz)



Channel 78 (2480MHz)

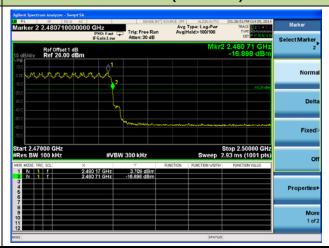


2DH5 Operation Frequency Range of 20dB Bandwidth within Hopping Mode

Channel 00 (2402MHz)

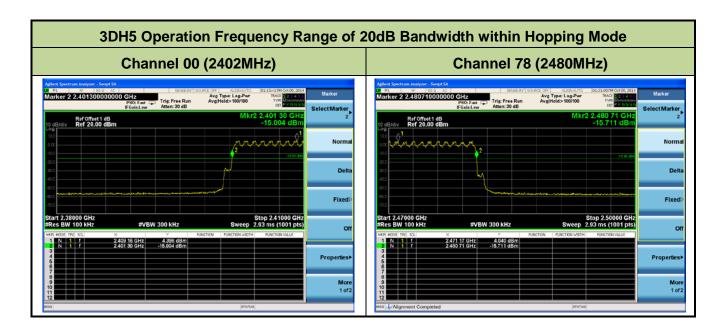


Channel 78 (2480MHz)



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7.8. Conducted Spurious Emissions Measurement

7.8.1. Test Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

7.8.2. Test Procedure Used

ANSI C63.10-2009 - Section 7.7.10

7.8.3. Test Setting

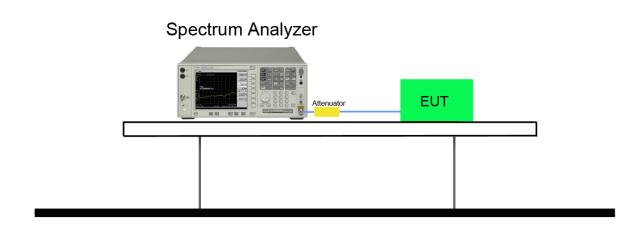
- 1. Span = wide enough to capture the peak level of the in-band emission and all spurious emissions (e.g., harmonics) from the lowest frequency generated in the EUT up through the 10th harmonic. Typically, several plots are required to cover this entire span.
- 2. RBW = 100 KHz
- 3. VBW ≥ RBW
- 4. Detector = peak
- 5. Sweep time = auto couple
- 6. Trace mode = max hold
- 7. Trace was allowed to stabilize

Set the marker on the peak of any spurious emission recorded. The level displayed must comply with the limit specified in this section.

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7.8.4. Test Setup

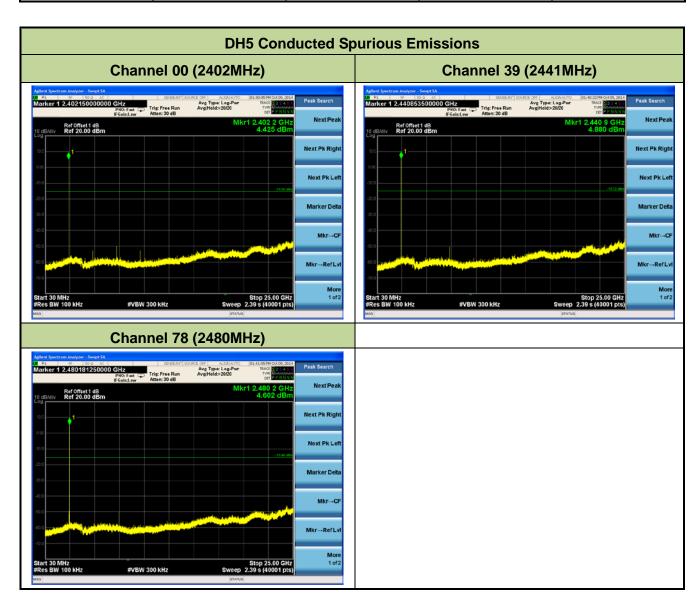


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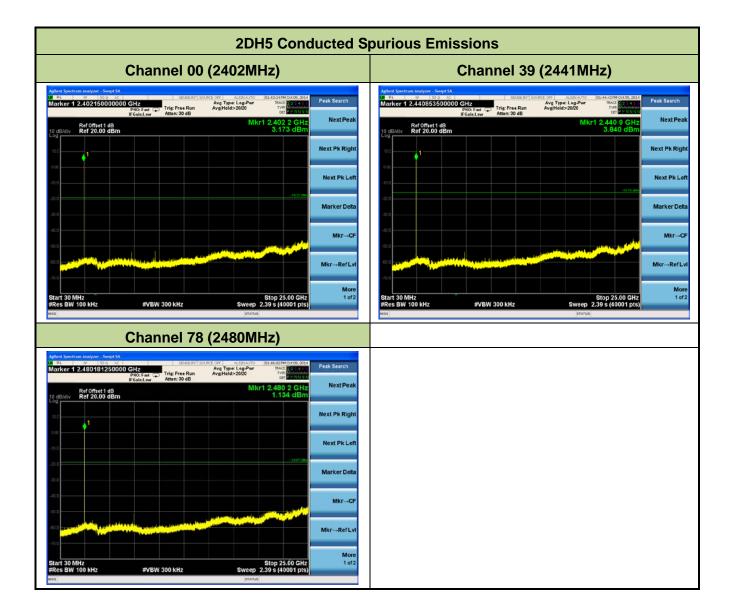
7.8.5. Test Result

Test Mode	Channel No.	Frequency (MHz)	Limit (MHz)	Result
DH5	00	2402	20dBc	Pass
DH5	39	2441	20dBc	Pass
DH5	78	2480	20dBc	Pass
2DH5	00	2402	20dBc	Pass
2DH5	39	2441	20dBc	Pass
2DH5	78	2480	20dBc	Pass
3DH5	00	2402	20dBc	Pass
3DH5	39	2441	20dBc	Pass
3DH5	78	2480	20dBc	Pass



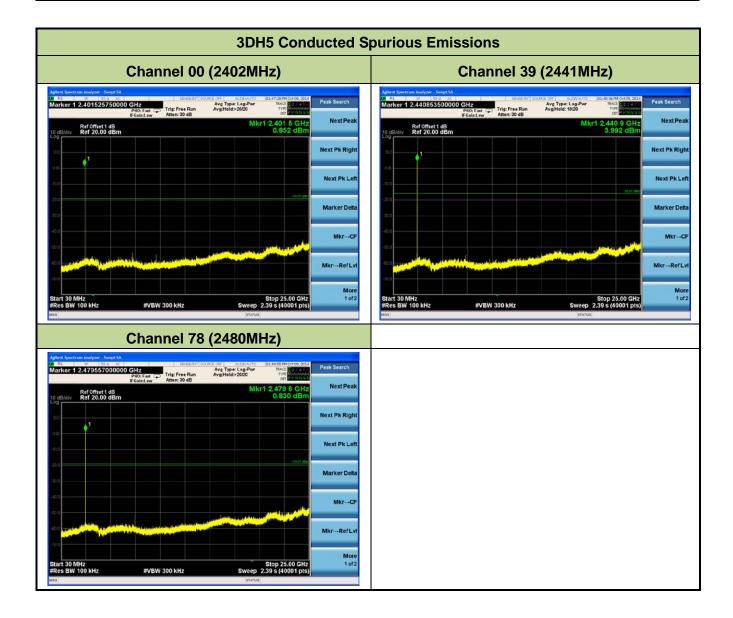
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7.9. Radiated Spurious Emission Measurement

7.9.1. Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

47 CFR must not exceed the limits shown in Table per Section 15.209.								
FC	FCC Part 15 Subpart C Paragraph 15.209							
Frequency [MHz]	Field Strength [V/m]	Measured Distance [Meters]						
0.009 - 0.490	2400/F (kHz)	300						
0.490 - 1.705	24000/F (kHz)	30						
1.705 - 30	30	30						
30 - 88	100	3						
88 - 216	150	3						
216 - 960	200	3						
Above 960	500	3						

7.9.2. Test Procedure Used

ANSI C63.10-2009 - Section 7.10.1 & Section 7.10.2

7.9.3. Test Setting

Peak Field Strength Measurements

- 1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
- 2. RBW = as specified in Table 1
- 3. VBW = 3 * RBW
- 4. Detector = peak
- 5. Sweep time = auto couple
- 6. Trace mode = max hold
- 7. Trace was allowed to stabilize

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Table 1 - RBW as a function of frequency

Frequency	RBW
9 ~ 150 kHz	200 ~ 300 Hz
0.15 ~ 30 MHz	9 ~ 10 kHz
30 ~ 1000 MHz	100 ~ 120 kHz
> 1000 MHz	1 MHz

Average Field Strength Measurements

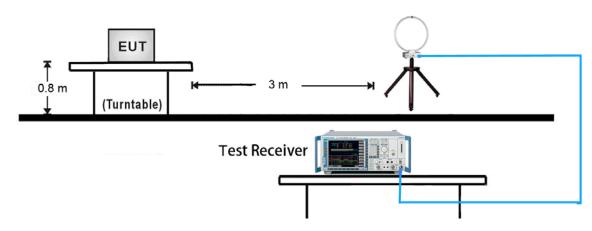
- 1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
- 2. RBW = 1MHz
- 3. VBW ≥ 1/T
- 4. De As an alternative, the instrument may be set to linear detector mode. Ensure that video filtering is applied in linear voltage domain (rather than in a log or dB domain). Some instruments require linear display mode in order to accomplish this. Others have a setting for Average-VBW Type, which can be set to "Voltage" regardless of the display mode
- 5. Detector = Peak
- 6. Sweep time = auto
- 7. Trace mode = max hold
- 8. Allow max hold to run for at least 50 times (1/duty cycle) traces

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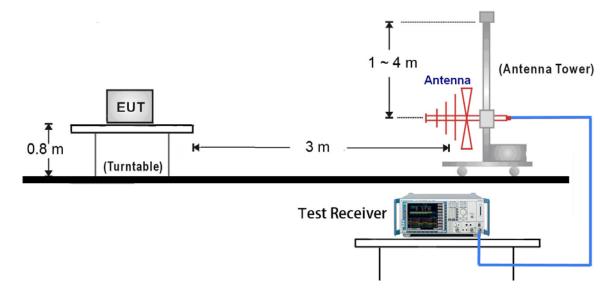


7.9.4. Test Setup

9kHz ~ 30MHz Test Setup:



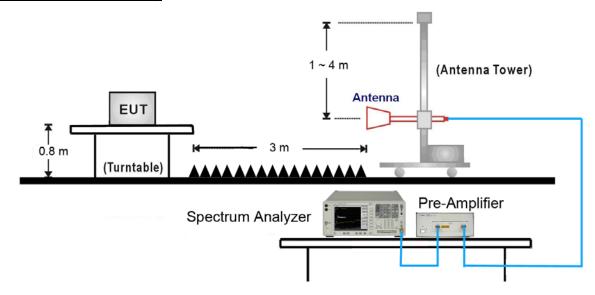
30MHz ~ 1GHz Test Setup:



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1GHz ~ 25GHz Test Setup:



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7.9.5. Test Result

Test Mode:	DH5	Test Site:	AC1	
Test Channel:	78	Test Engineer:	Roy Cheng	
Remark:	Average measurement was not performed if peak level lower than average			
	limit.			
	2. The worst case of Radiated Spurious Emission.			
	3. Other frequency was 20dB below limit line within 1-18GHz, there is not show in			
	the report.			

Mark	Frequency	Reading	Factor	Measure	Limit	Margin	Detector	Polarization
	(MHz)	Level	(dB)	Level	(dBµV/m)	(dB)		
		(dBµV/m)		(dBµV/m)				
*	4482.0	38.5	5.6	44.1	81.5	-37.4	Peak	Horizontal
*	5842.0	37.4	8.1	45.5	81.5	-36.0	Peak	Horizontal
	7568.0	34.6	14.7	49.3	74.0	-24.7	Peak	Horizontal
	7715.0	35.2	14.5	49.7	74.0	-24.3	Peak	Horizontal
*	5250.0	37.3	6.6	43.9	81.5	-37.6	Peak	Vertical
*	6348.0	38.0	9.7	47.7	81.5	-33.8	Peak	Vertical
	7326.0	35.9	14.0	49.9	74.0	-24.1	Peak	Vertical
	7569.0	34.6	14.7	49.3	74.0	-24.7	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (101.5dBµV/m).

Note 2: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

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The worst case of Radiated Emission 9KHz ~ 1GHz and 18GHz ~ 25GHz:

Engineer: Milo Li				
Site: AC1	Time: 2014/10/09 - 20:22			
Limit: FCC_Part15.209_RE(3m)	Margin: 0			
Probe: VULB9162_0.03-8GHz	Polarity: Horizontal			
EUT: SMART LED SPEAKER Power: AC 120V/60Hz				
Worst Test Mode: DH5 at channel 2402MHz				

80 70 60 50 10 10 10 10 100 Frequency(MHz)

No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1		*	98.870	15.720	3.135	-27.780	43.500	12.585	QP
2			649.345	23.742	3.727	-22.258	46.000	20.015	QP

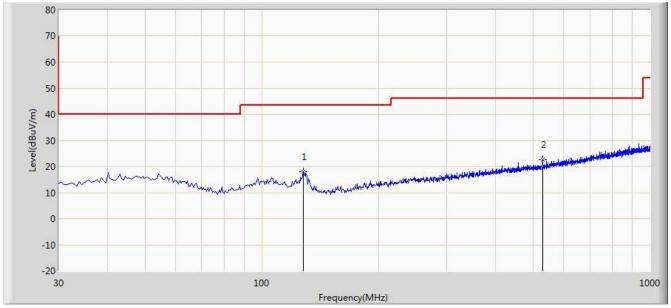
Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

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Engineer: Milo Li				
Site: AC1	Time: 2014/10/09 - 20:28			
Limit: FCC_Part15.209_RE(3m)	Margin: 0			
Probe: VULB9162_0.03-8GHz	Polarity: Vertical			
EUT: SMART LED SPEAKER	Power: AC 120V/60Hz			
Worst Test Mode: DH5 at channel 2402MHz				



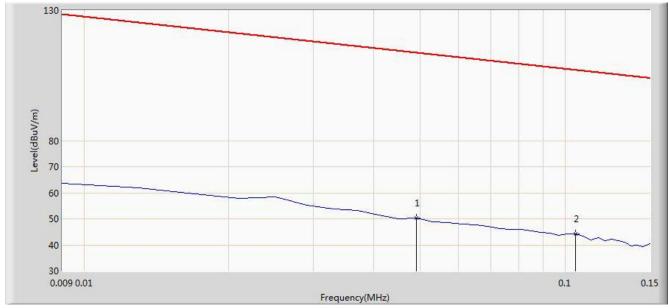
No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1		*	127.970	17.949	7.980	-25.551	43.500	9.969	QP
2			530.035	22.480	4.317	-23.520	46.000	18.163	QP

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

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Engineer: Roy Cheng					
Site: AC1	Time: 2014/10/09 - 13:34				
Limit: FCC_Part15.209_RE(3m)	Margin: 0				
Probe: FMZB1519_0.009-30MHz	Polarity: Face On				
EUT: SMART LED SPEAKER Power: AC 120V/60Hz					
Note: There is the ambient noise within frequency range 9kHz~30MHz					



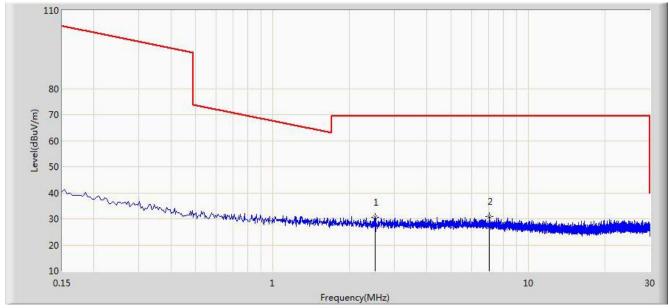
No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1			0.049	50.366	29.861	-63.423	113.789	20.505	QP
2		*	0.105	44.143	23.996	-63.029	107.173	20.147	QP

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

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Engineer: Roy Cheng					
Site: AC1	Time: 2014/10/09 - 13:45				
Limit: FCC_Part15.209_RE(3m)	Margin: 0				
Probe: FMZB1519_0.009-30MHz	Polarity: Face On				
EUT: SMART LED SPEAKER Power: AC 120V/60Hz					
Note: There is the ambient noise within frequency range 9kHz~30MHz					



No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1			2.513	30.495	10.336	-39.005	69.500	20.159	QP
2		*	7.041	30.974	10.579	-38.526	69.500	20.395	QP

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

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Engineer: Roy Cheng						
Site: AC1	Time: 2014/10/09 - 13:59					
Limit: FCC_Part15.209_RE(3m)	Margin: 0					
Probe: BBHA9170_18-40GHz	Polarity: Horizontal					
EUT: SMART LED SPEAKER Power: AC 120V/60Hz						
Note: There is the ambient noise within frequency range 18GHz~25GHz.						

No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1			21517.500	55.869	17.883	-18.131	74.000	37.986	PK
2			21517.650	43.351	5.365	-10.649	54.000	37.986	AV
3			22630.500	56.509	18.223	-17.491	74.000	38.286	PK
4		*	22630.540	44.310	6.024	-9.690	54.000	38.286	AV

Frequency(MHz)

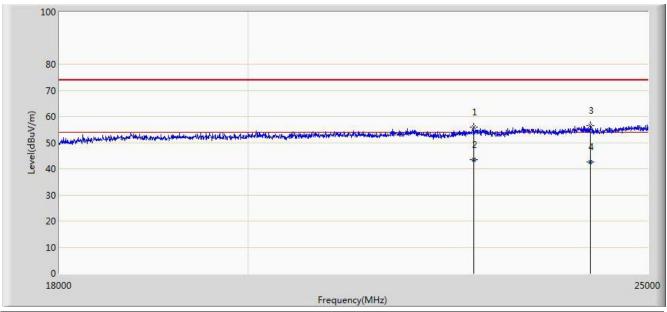
Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

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Note: There is the ambient noise within frequency range 18GHz-25GHz						
EUT: SMART LED SPEAKER Power: AC 120V/60Hz						
Probe: BBHA9170_18-40GHz	Polarity: Vertical					
Limit: FCC_Part15.209_RE(3m)	Margin: 0					
Site: AC1	Time: 2014/10/09 - 14:05					
Engineer: Roy Cheng						



No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1			22686.500	55.811	17.457	-18.189	74.000	38.354	PK
2			22686.540	43.598	5.244	-10.402	54.000	38.354	AV
3			24205.500	56.430	17.607	-17.570	74.000	38.823	PK
4		*	24205.658	42.518	3.695	-11.482	54.000	38.823	AV

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

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7.10. Radiated Restricted Band Edge Measurement

7.10.1. Test Result

Engineer: Sunny					
Site: AC1	Time: 2014/10/09 - 20:32				
Limit: FCC_Part15.209_RE(3m)	Margin: 0				
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal				
EUT: SMART LED SPEAKER	Power: AC 120V/60Hz				
Test Mode: DH5 at Channel 2402MHz					

120 70 40 30 20 2310 2315 2320 2325 2330 2335 2340 2345 2350 2355 2360 2365 2370 2375 2380 2385 2390 2395 2400 2404 Frequency(MHz)

No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1			2390.000	54.845	24.161	-19.155	74.000	30.684	PK
2		*	2401.744	98.447	67.786	N/A	N/A	30.661	PK

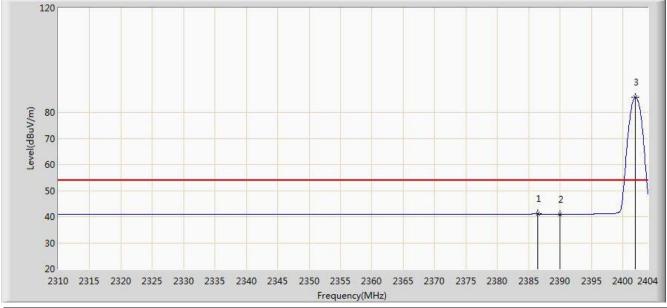
Note: Measure Level (dB μ V/m) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

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Engineer: Sunny					
Site: AC1	Time: 2014/10/10 - 09:43				
Limit: FCC_Part15.209_RE(3m)	Margin: 0				
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal				
EUT: SMART LED SPEAKER Power: AC 120V/60Hz					
Test Mode: DH5 at Channel 2402MHz					



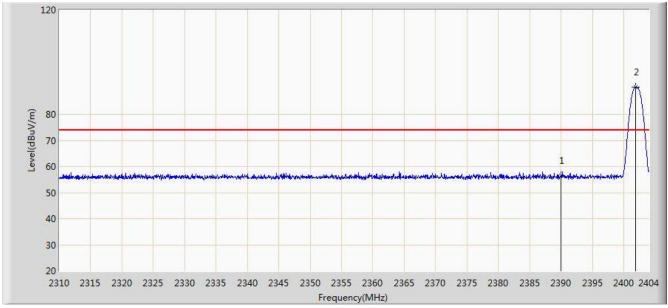
No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1			2386.422	41.053	10.361	-12.947	54.000	30.692	AV
2			2390.000	40.833	10.149	-13.167	54.000	30.684	AV
3		*	2401.979	85.734	55.072	N/A	N/A	30.662	AV

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

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Engineer: Sunny					
Site: AC1	Time: 2014/10/10 - 09:57				
Limit: FCC_Part15.209_RE(3m)	Margin: 0				
Probe: BBHA9120D_1-18GHz	Polarity: Vertical				
EUT: SMART LED SPEAKER Power: AC 120V/60Hz					
Test Mode: DH5 at Channel 2402MHz					



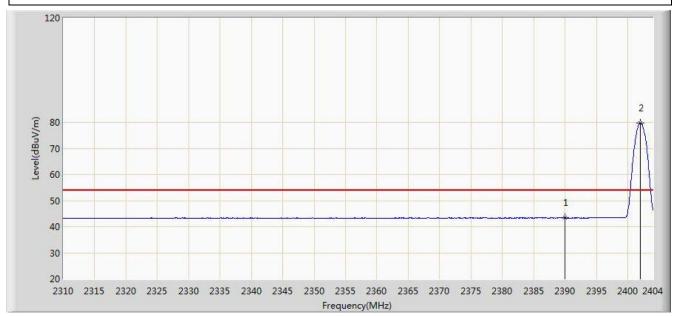
No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1			2390.000	56.482	25.798	-17.518	74.000	30.684	PK
2		*	2401.885	90.352	59.691	N/A	N/A	30.661	PK

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

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Engineer: Sunny					
Site: AC1	Time: 2014/10/10 - 10:00				
Limit: FCC_Part15.209_RE(3m)	Margin: 0				
Probe: BBHA9120D_1-18GHz	Polarity: Vertical				
EUT: SMART LED SPEAKER Power: AC 120V/60Hz					
Test Mode: DH5 at Channel 2402MHz					



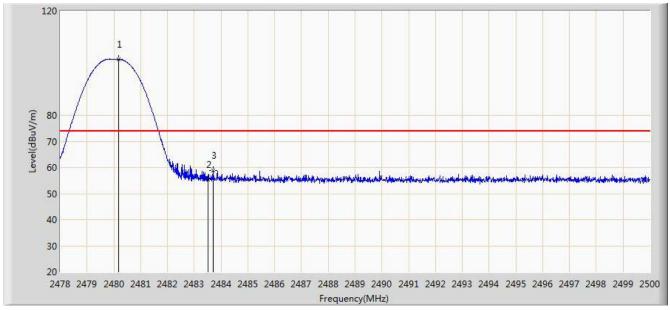
No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1			2390.000	43.353	12.669	-10.647	54.000	30.684	AV
2		*	2401.979	79.814	49.152	N/A	N/A	30.662	AV

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

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Engineer: Sunny					
Site: AC1	Time: 2014/10/10 - 10:01				
Limit: FCC_Part15.209_RE(3m)	Margin: 0				
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal				
EUT: SMART LED SPEAKER Power: AC 120V/60Hz					
Test Mode: DH5 at Channel 2480MHz					



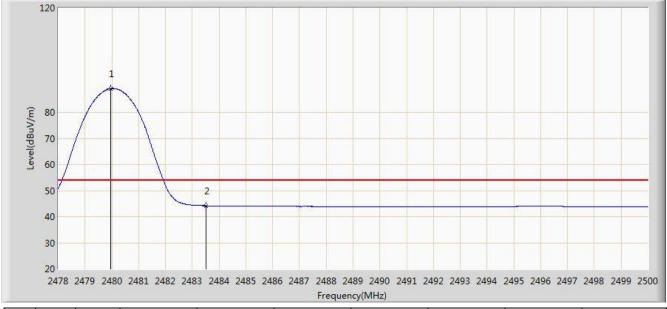
No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1		*	2480.178	101.527	70.864	N/A	N/A	30.663	PK
2			2483.500	55.377	24.704	-18.623	74.000	30.673	PK
3			2483.698	58.937	28.264	-15.063	74.000	30.673	PK

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

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Engineer: Sunny					
Site: AC1	Time: 2014/10/10 - 10:03				
Limit: FCC_Part15.209_RE(3m)	Margin: 0				
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal				
EUT: SMART LED SPEAKER Power: AC 120V/60Hz					
Test Mode: DH5 at Channel 2480MHz					



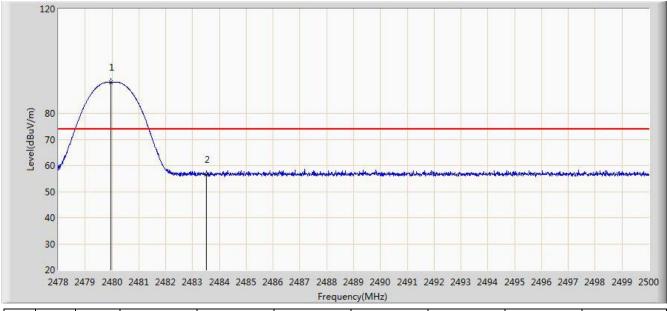
No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1		*	2479.969	89.094	58.432	N/A	N/A	30.662	AV
2			2483.500	44.186	13.513	-9.814	54.000	30.673	AV

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

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Engineer: Sunny					
Site: AC1	Time: 2014/10/10 - 10:04				
Limit: FCC_Part15.209_RE(3m)	Margin: 0				
Probe: BBHA9120D_1-18GHz	Polarity: Vertical				
EUT: SMART LED SPEAKER Power: AC 120V/60Hz					
Test Mode: DH5 at Channel 2480MHz					



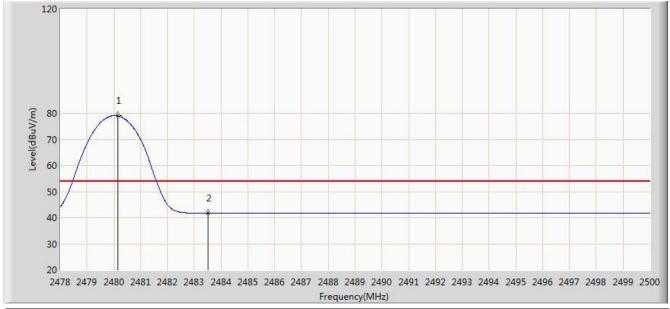
No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1		*	2479.947	91.895	61.233	N/A	N/A	30.662	PK
2			2483.500	56.588	25.915	-17.412	74.000	30.673	PK

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

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Engineer: Sunny					
Site: AC1	Time: 2014/10/10 - 10:06				
Limit: FCC_Part15.209_RE(3m)	Margin: 0				
Probe: BBHA9120D_1-18GHz	Polarity: Vertical				
EUT: SMART LED SPEAKER Power: AC 120V/60Hz					
Test Mode: DH5 at Channel 2480MHz					



No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV/m)	(dB)	
				(dBuV/m)	(dBuV)				
1		*	2480.145	79.001	48.338	N/A	N/A	30.663	AV
2			2483.500	41.751	11.078	-12.249	54.000	30.673	AV

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m)

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7.11. AC Conducted Emissions Measurement

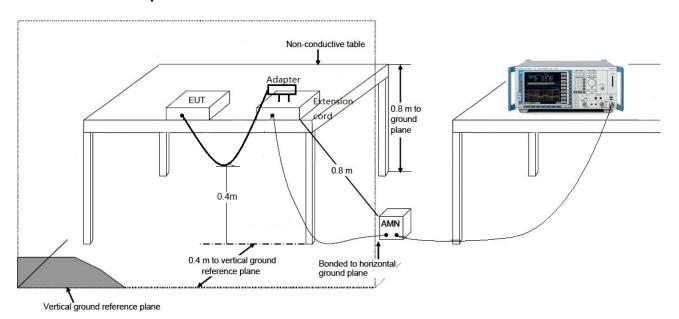
7.11.1. Test Limit

FCC Part 15 Subpart C Paragraph 15.207 Limits									
Frequency (MHz)	QP (dBµV)	Average (dBμV)							
0.15 - 0.50	66 - 56	56 - 46							
0.50 - 5.0	56	46							
5.0 - 30	60	50							

Note 1: The lower limit shall apply at the transition frequencies.

Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.5MHz.

7.11.2. Test Setup

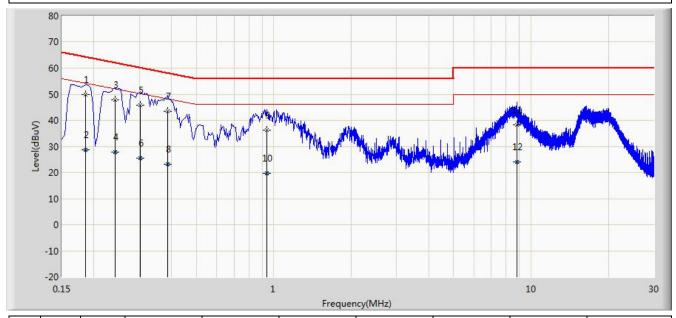


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7.11.3. Test Result

Engineer: Line Chen					
Site: SR2	Time: 2014/10/09 - 19:24				
Limit: FCC_Part15.207_CE_AC Power	Margin: 0				
Probe: ENV216_101683_Filter On	Polarity: Line				
EUT: SMART LED SPEAKER	Power: AC 120V/60Hz				
Note: Normal Operation					



No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV)	(dB)	
				(dBuV)	(dBuV)				
1			0.186	49.837	39.798	-14.377	64.213	10.039	QP
2			0.186	28.720	18.681	-25.494	54.213	10.039	AV
3		*	0.242	47.726	37.768	-14.302	62.027	9.958	QP
4			0.242	27.797	17.839	-24.230	52.027	9.958	AV
5			0.302	45.679	35.673	-14.509	60.188	10.006	QP
6			0.302	25.532	15.526	-24.655	50.188	10.006	AV
7			0.386	43.453	33.379	-14.697	58.149	10.074	QP
8			0.386	23.298	13.224	-24.851	48.149	10.074	AV
9			0.938	36.348	26.408	-19.652	56.000	9.940	QP
10			0.938	19.764	9.824	-26.236	46.000	9.940	AV
11			8.790	38.151	27.987	-21.849	60.000	10.164	QP
12			8.790	24.198	14.034	-25.802	50.000	10.164	AV

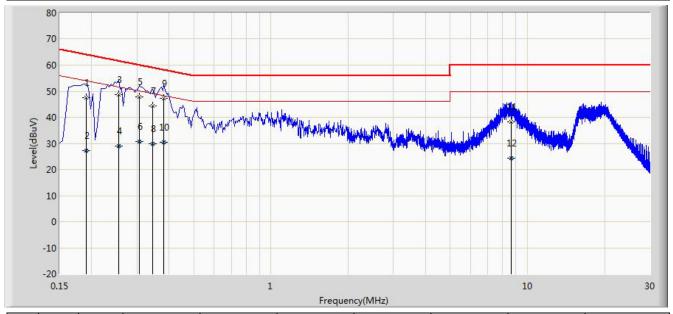
Note: Measure Level (dB μ V) = Reading Level (dB μ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)

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Engineer: Line Chen				
Site: SR2	Time: 2014/10/09 - 19:33			
Limit: FCC_Part15.207_CE_AC Power	Margin: 0			
Probe: ENV216_101683_Filter On	Polarity: Neutral			
EUT: SMART LED SPEAKER	Power: AC 120V/60Hz			
Note: Normal Operation				



No	Flag	Mark	Frequency	Measure	Reading	Over Limit	Limit	Factor	Туре
			(MHz)	Level	Level	(dB)	(dBuV)	(dB)	
				(dBuV)	(dBuV)				
1			0.190	47.574	37.547	-16.463	64.037	10.028	QP
2			0.190	27.282	17.254	-26.754	54.037	10.028	AV
3			0.254	48.573	38.569	-13.052	61.625	10.004	QP
4			0.254	28.967	18.963	-22.658	51.625	10.004	AV
5			0.306	47.798	37.756	-12.281	60.078	10.042	QP
6			0.306	30.670	20.628	-19.408	50.078	10.042	AV
7			0.346	44.391	34.320	-14.667	59.058	10.071	QP
8			0.346	29.808	19.737	-19.250	49.058	10.071	AV
9		*	0.382	47.284	37.185	-10.951	58.236	10.099	QP
10			0.382	30.561	20.462	-17.675	48.236	10.099	AV
11			8.618	38.168	27.968	-21.832	60.000	10.200	QP
12			8.618	24.260	14.060	-25.740	50.000	10.200	AV

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)

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8. CONCLUSION

The data collected relate only the item(s) tested and show that the **SMART LED SPEAKER FCC ID: 2ADCXJOY** is in compliance with Part 15C of the FCC Rules.

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