ACCURATE TECHNOLOGY CO., LTD.
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Site: 1# Chamber
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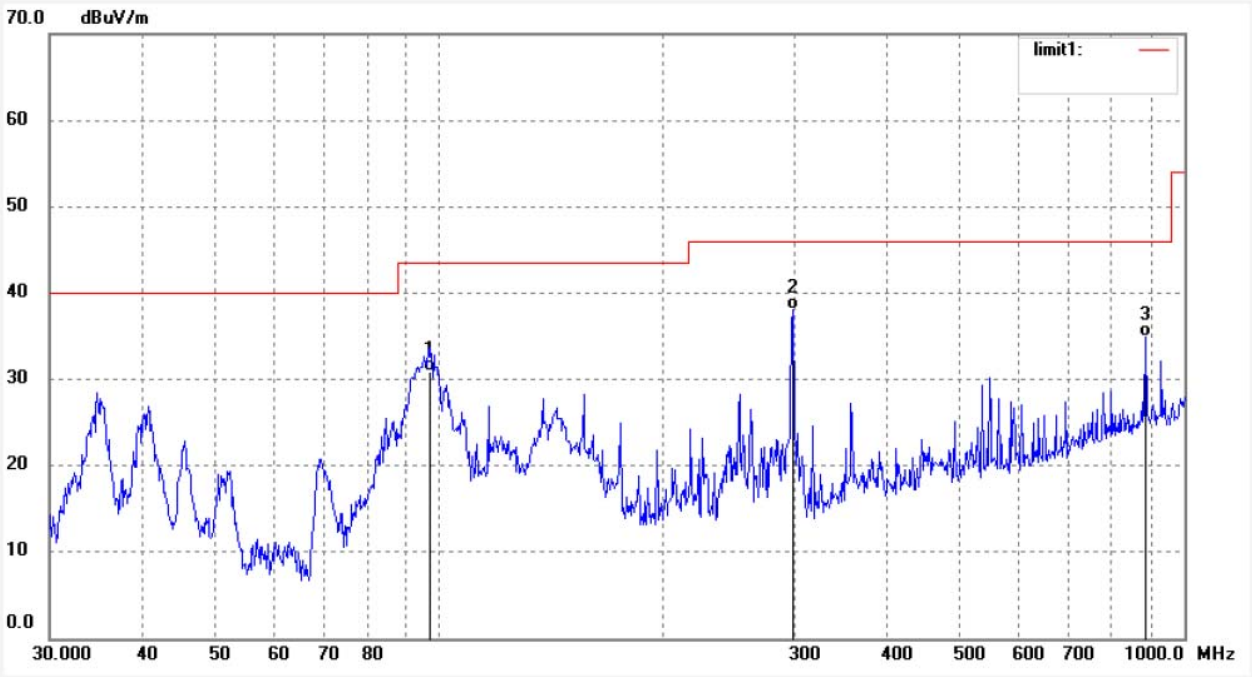
Job No.: STAR2016 #708
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Deep breathing training device
Mode: TX Channel 6(802.11b)
Model: X1
Manufacturer: Xeek

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 16/05/07/
Time: 11/24/59
Engineer Signature: star
Distance: 3m

Note: Report No.:ATE20160678



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	97.0023	52.43	-21.55	30.88	43.50	-12.62	QP			
2	298.5932	54.28	-16.30	37.98	46.00	-8.02	QP			
3	887.3977	39.27	-4.39	34.88	46.00	-11.12	QP			

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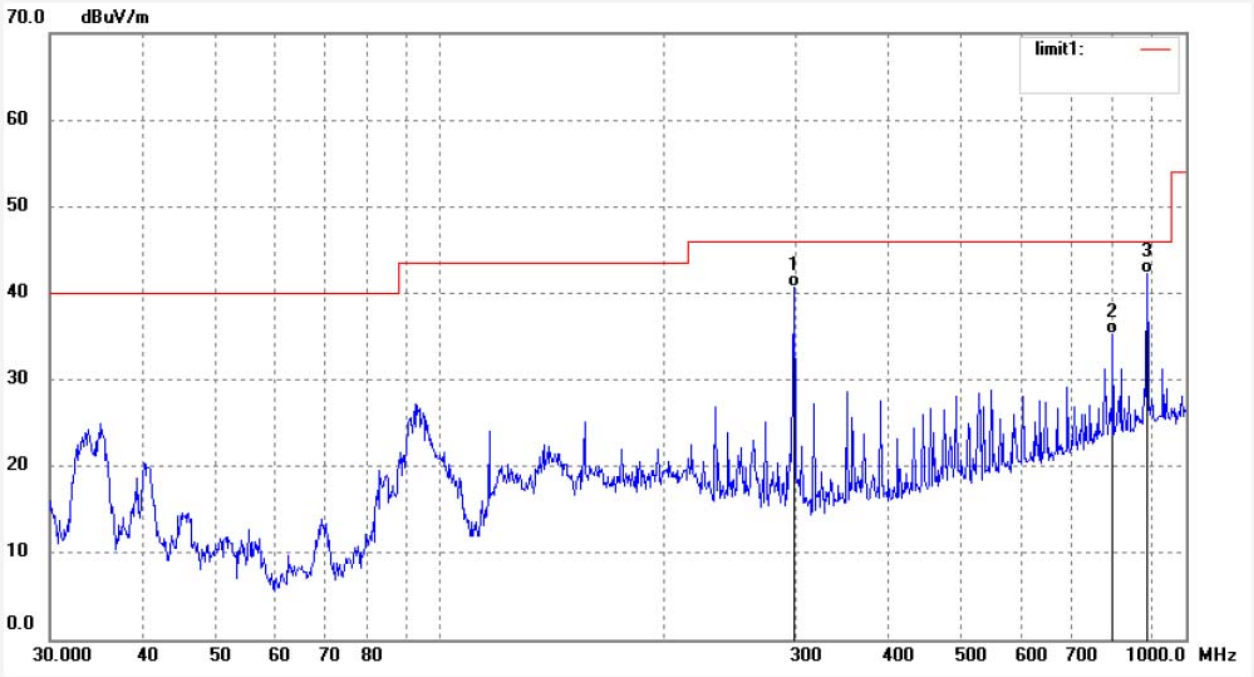
Job No.: STAR2016 #710
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Deep breathing training device
Mode: TX Channel 11(802.11b)
Model: X1
Manufacturer: Xeek

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 16/05/07/
Time: 11/33/47
Engineer Signature: star
Distance: 3m

Note: Report No.:ATE20160678



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	298.5932	57.02	-16.30	40.72	46.00	-5.28	QP			
2	798.6204	41.16	-5.92	35.24	46.00	-10.76	QP			
3	887.3977	46.67	-4.39	42.28	46.00	-3.72	QP			

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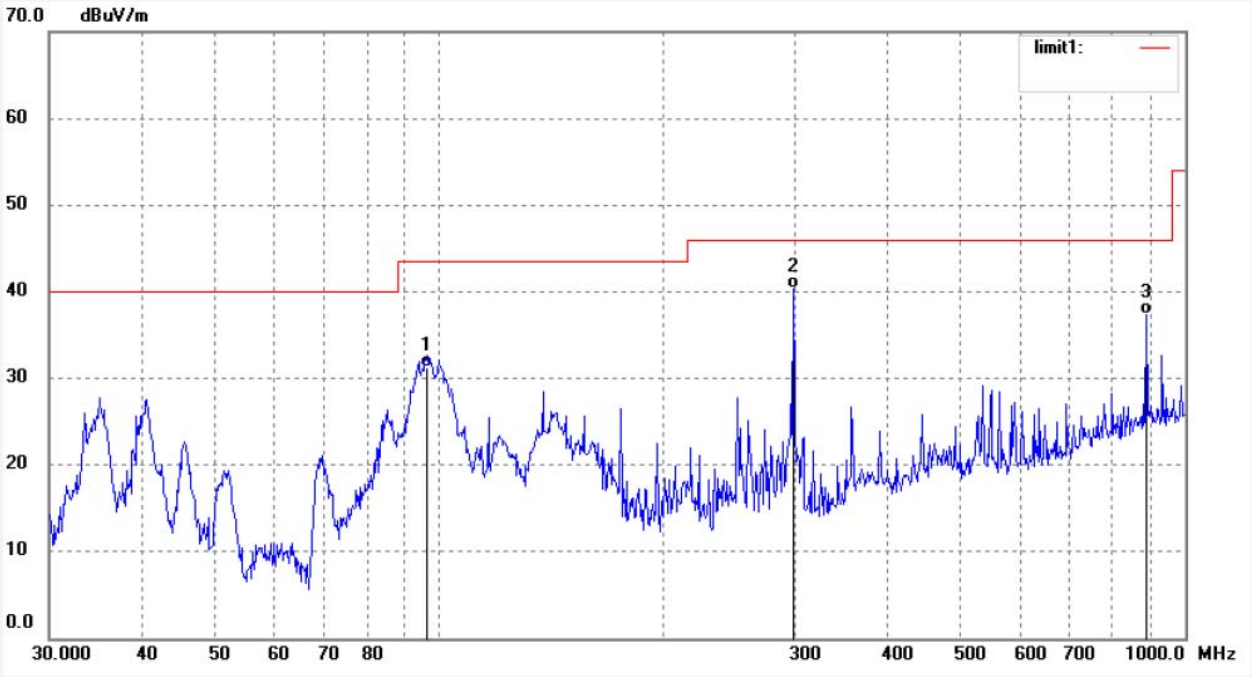
Job No.: STAR2016 #709	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 16/05/07/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 11/28/38
EUT: Deep breathing training device	Engineer Signature: star
Mode: TX Channel 11(802.11b)	Distance: 3m
Model: X1	
Manufacturer: Xeek	

Note: Report No.:ATE20160678



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	96.3229	52.77	-21.52	31.25	43.50	-12.25	QP			
2	298.5932	56.56	-16.30	40.26	46.00	-5.74	QP			
3	887.3977	41.68	-4.39	37.29	46.00	-8.71	QP			

Above 1G

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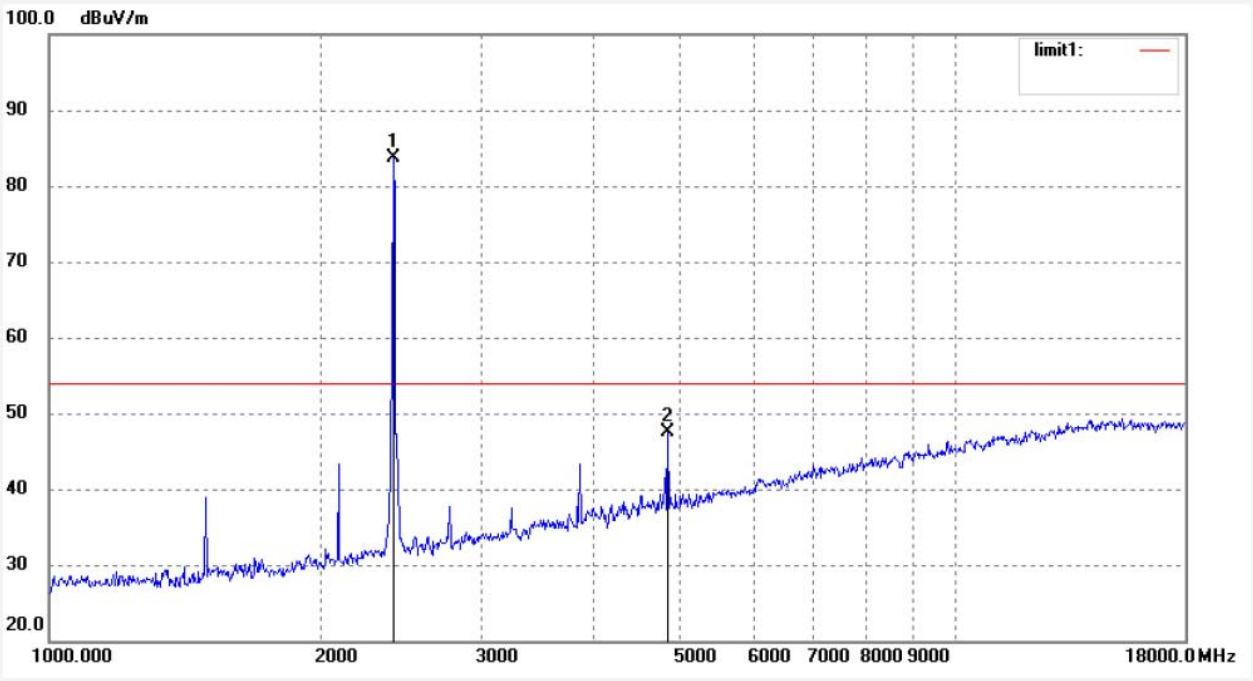
Job No.: STAR2016 #723	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 16/05/07/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 12/26/54
EUT: Deep breathing training device	Engineer Signature: star
Mode: TX Channel 1(802.11b)	Distance: 3m
Model: X1	
Manufacturer: Xeek	

Note: Report No.:ATE20160678



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2401.599	91.35	-7.61	83.74			peak			
2	4824.361	48.95	-1.47	47.48	74.00	-26.52	peak			

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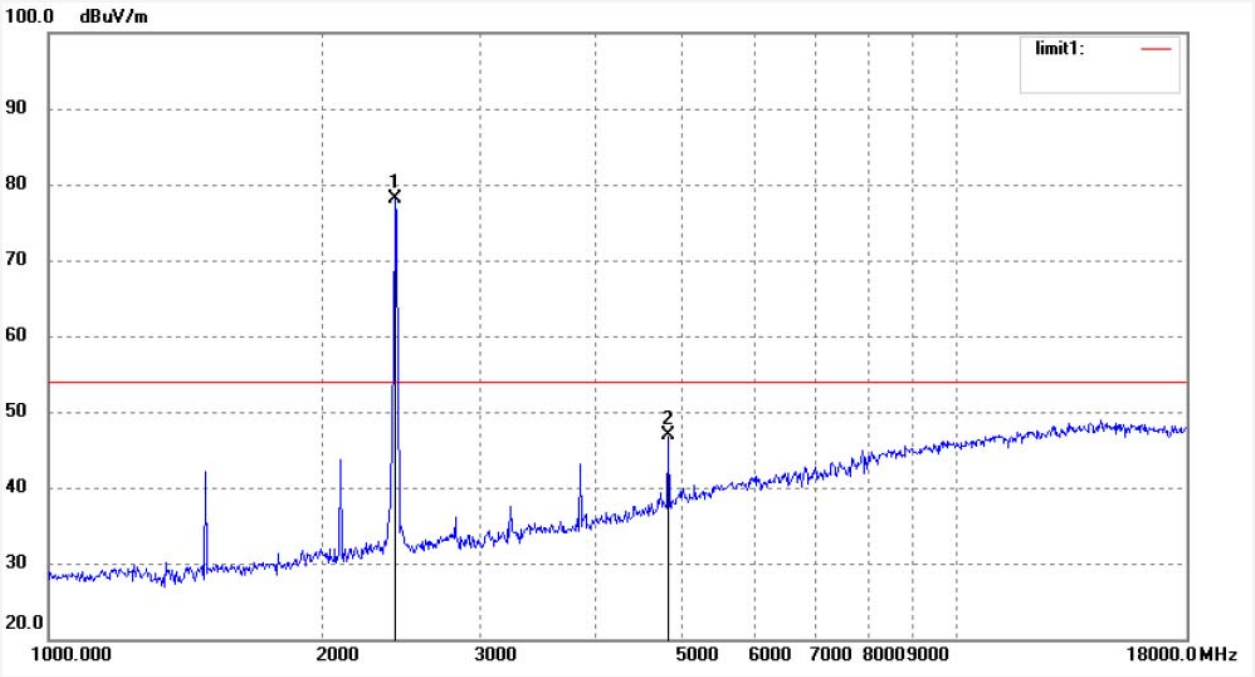
Job No.: STAR2016 #724	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 16/05/07/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 12/30/11
EUT: Deep breathing training device	Engineer Signature: star
Mode: TX Channel 1(802.11b)	Distance: 3m
Model: X1	
Manufacturer: Xeek	

Note: Report No.:ATE20160678



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2408.600	85.76	-7.59	78.17			peak			
2	4824.361	48.28	-1.47	46.81	74.00	-27.19	peak			

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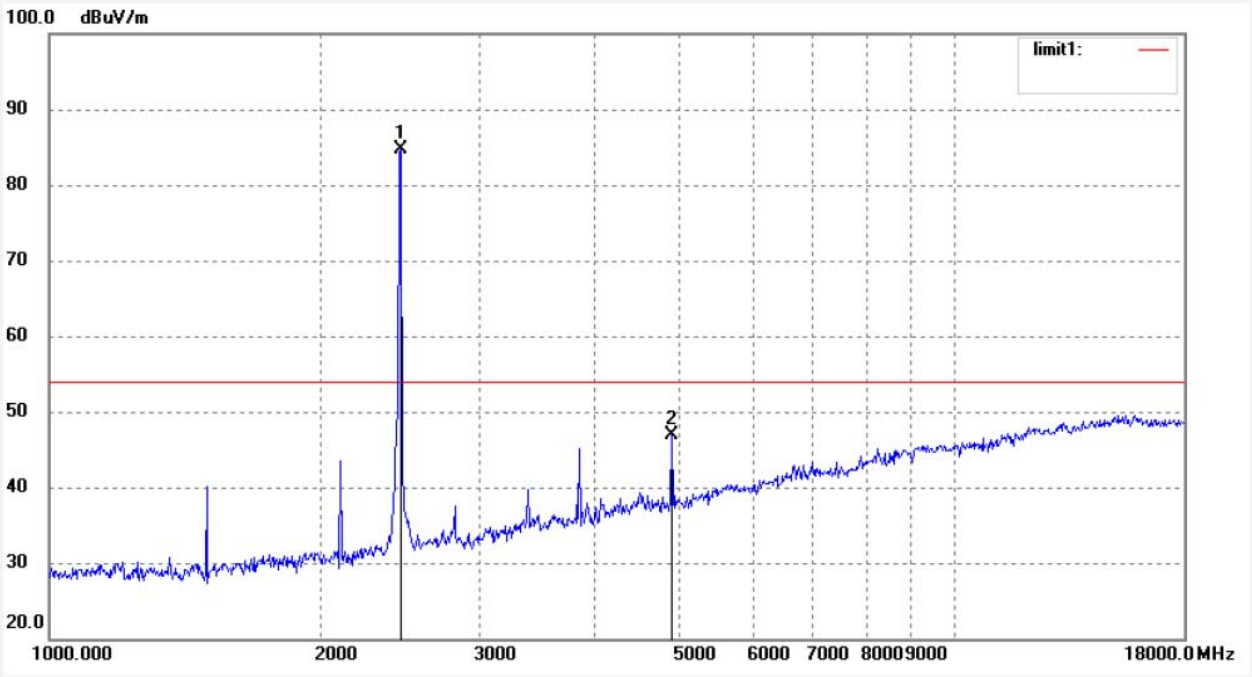
Job No.: STAR2016 #726	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 16/05/07/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 12/37/48
EUT: Deep breathing training device	Engineer Signature: star
Mode: TX Channel 6(802.11b)	Distance: 3m
Model: X1	
Manufacturer: Xeek	

Note: Report No.:ATE20160678



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2451.034	92.25	-7.47	84.78			peak			
2	4874.917	48.24	-1.31	46.93	74.00	-27.07	peak			

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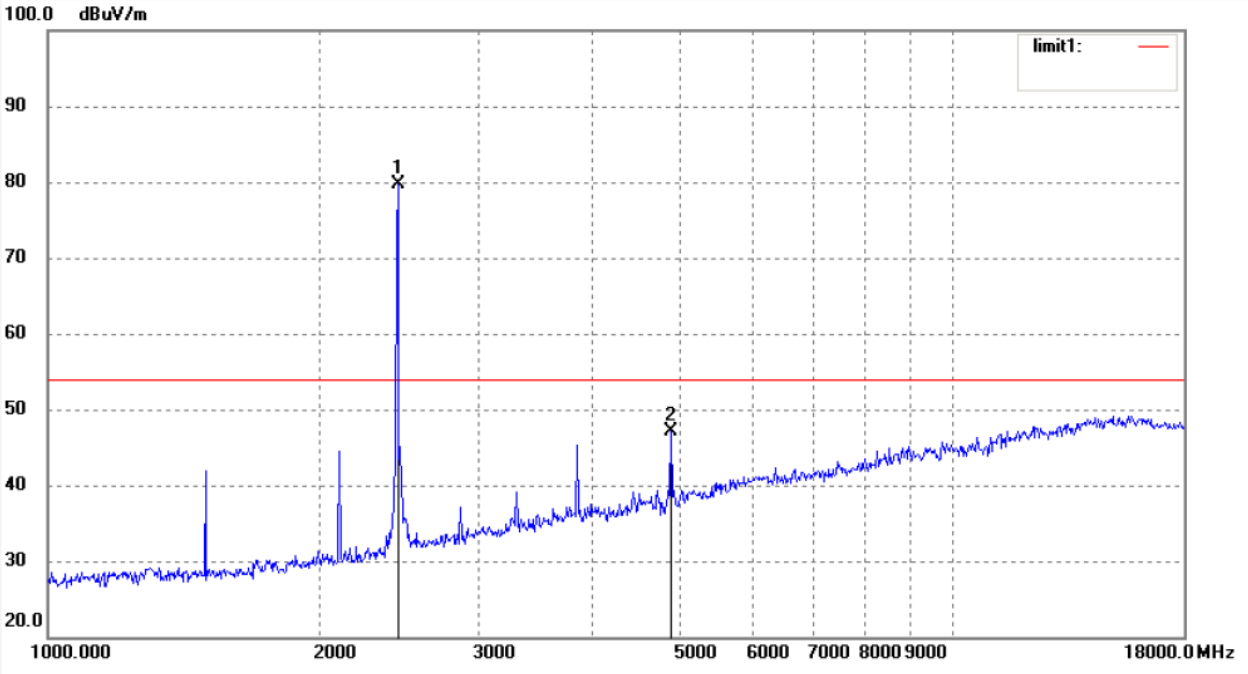
Job No.: STAR2016 #725	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 16/05/07/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 12/34/31
EUT: Deep breathing training device	Engineer Signature: star
Mode: TX Channel 6(802.11b)	Distance: 3m
Model: X1	
Manufacturer: Xeek	

Note: Report No.:ATE20160678



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2436.807	87.18	-7.51	79.67			peak			
2	4874.917	48.46	-1.31	47.15	74.00	-26.85	peak			

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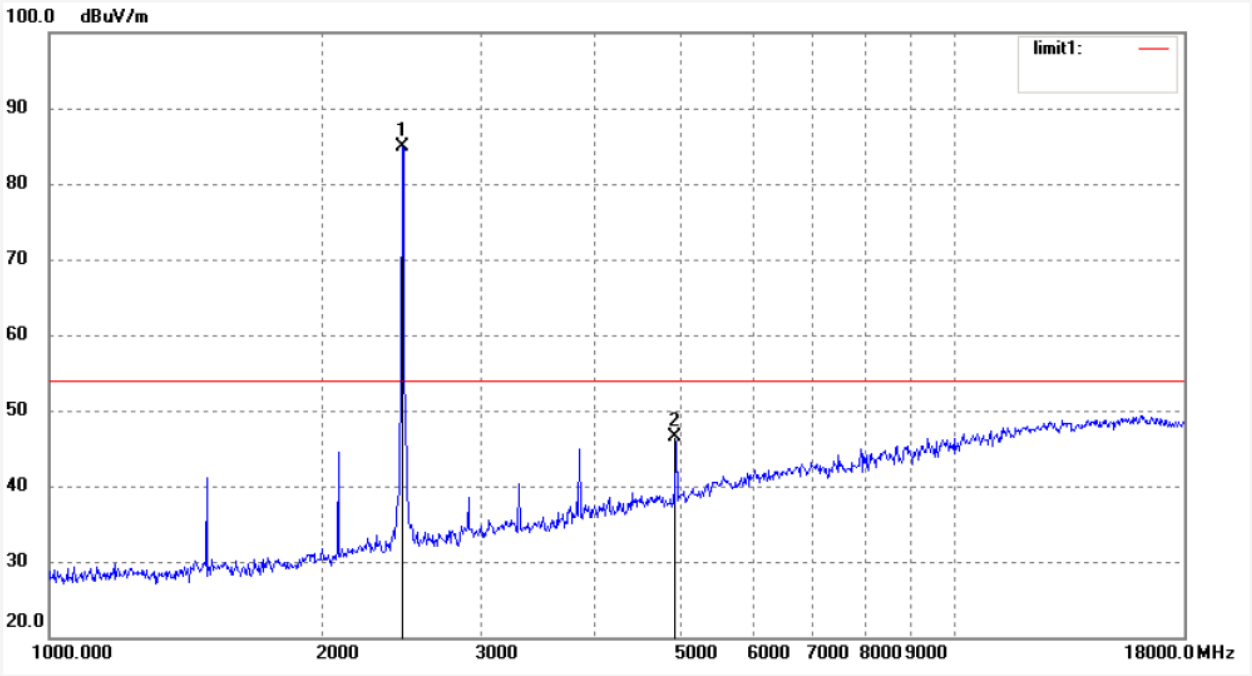
Job No.: STAR2016 #727	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 16/05/07/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 12/41/05
EUT: Deep breathing training device	Engineer Signature: star
Mode: TX Channel 11(802.11b)	Distance: 3m
Model: X1	
Manufacturer: Xeek	

Note: Report No.:ATE20160678



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2458.179	92.45	-7.45	85.00			peak			
2	4924.137	47.61	-1.14	46.47	74.00	-27.53	peak			

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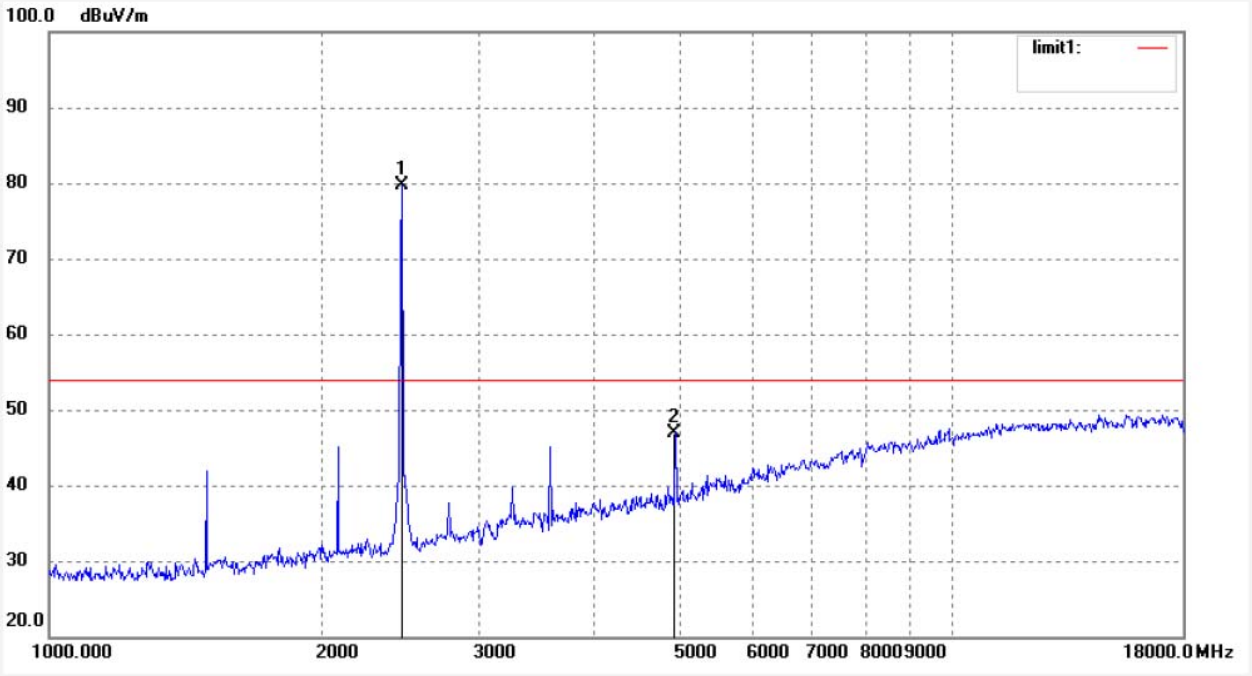
Job No.: STAR2016 #728	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 16/05/07/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 12/45/08
EUT: Deep breathing training device	Engineer Signature: star
Mode: TX Channel 11(802.11b)	Distance: 3m
Model: X1	
Manufacturer: Xeek	

Note: Report No.:ATE20160678



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2458.179	87.17	-7.45	79.72			peak			
2	4924.137	47.99	-1.14	46.85	74.00	-27.15	peak			

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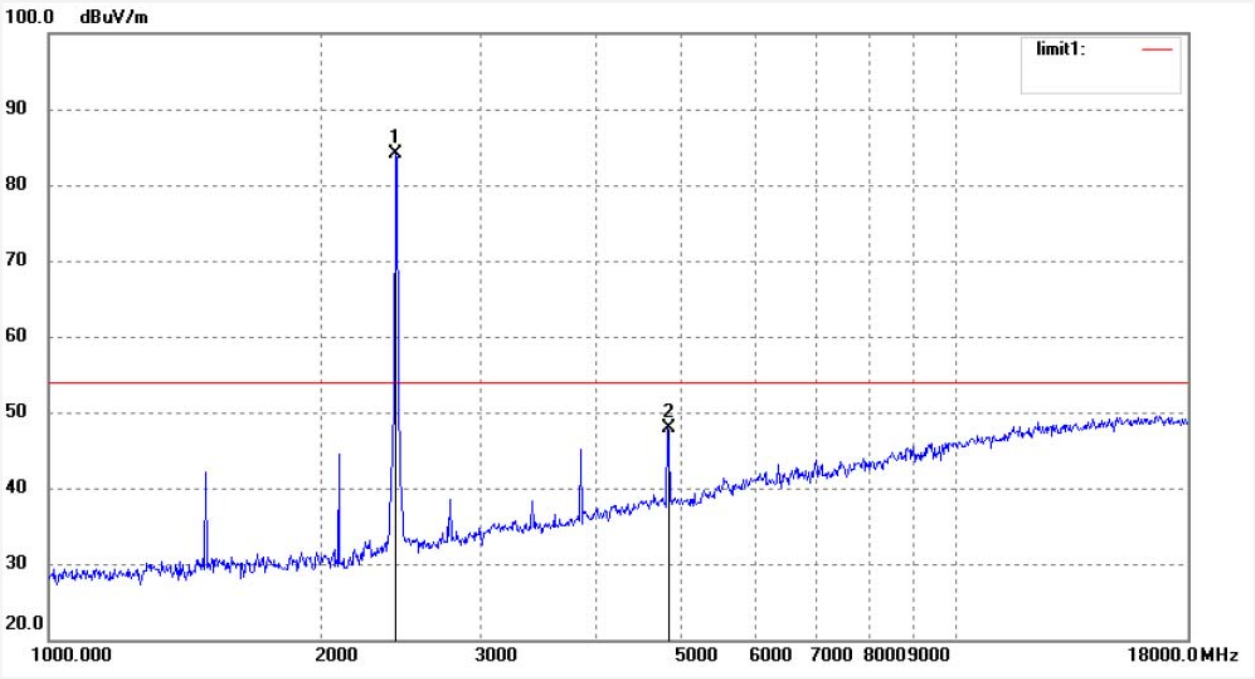
Job No.: STAR2016 #729	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 16/05/07/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 12/50/23
EUT: Deep breathing training device	Engineer Signature: star
Mode: TX Channel 1(802.11g)	Distance: 3m
Model: X1	
Manufacturer: Xeek	

Note: Report No.:ATE20160678



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2408.600	91.64	-7.59	84.05			peak			
2	4824.328	49.38	-1.47	47.91	74.00	-26.09	peak			

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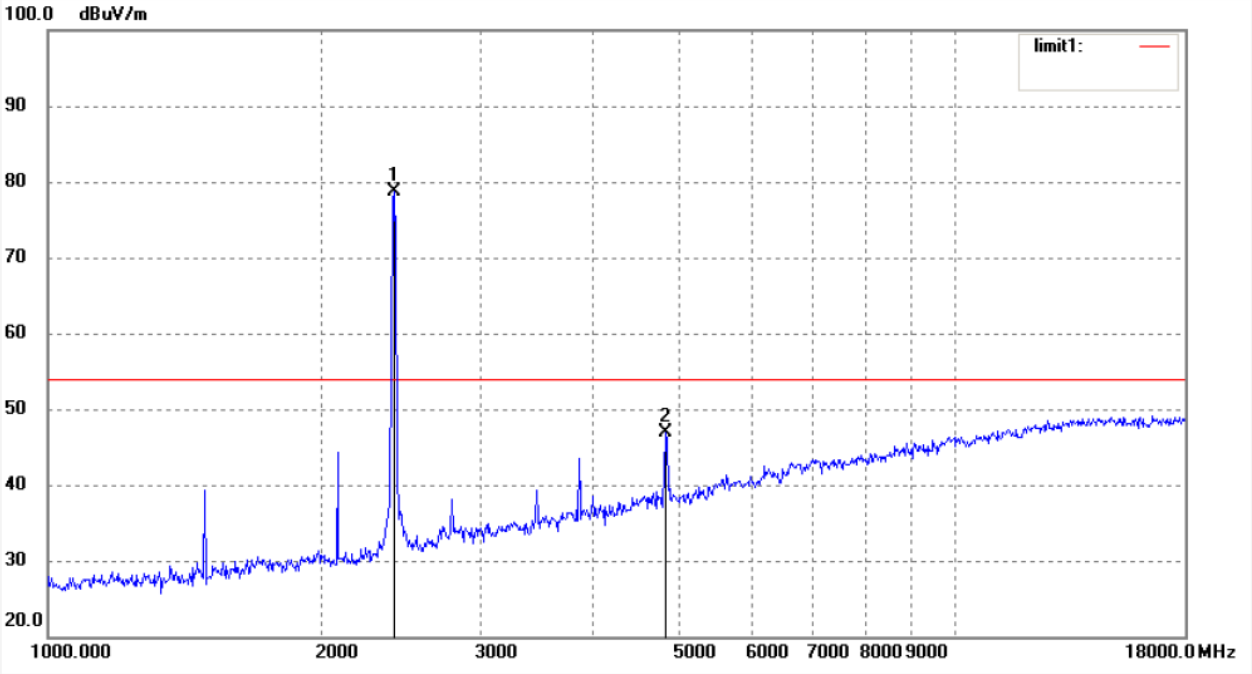
Job No.: STAR2016 #730	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 16/05/07/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 12/54/30
EUT: Deep breathing training device	Engineer Signature: star
Mode: TX Channel 1(802.11g)	Distance: 3m
Model: X1	
Manufacturer: Xeek	

Note: Report No.:ATE20160678



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2408.600	86.22	-7.59	78.63			peak			
2	4824.324	48.36	-1.47	46.89	74.00	-27.11	peak			

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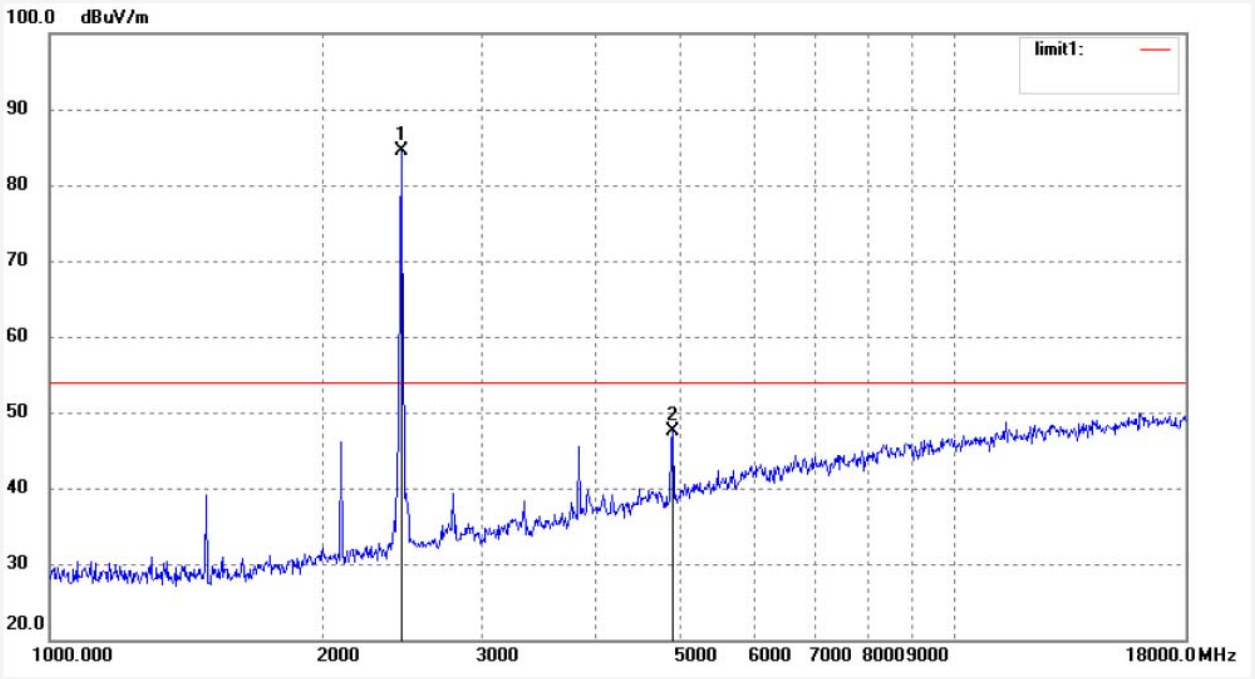
Job No.: STAR2016 #732	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 16/05/07/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 13/02/57
EUT: Deep breathing training device	Engineer Signature: star
Mode: TX Channel 6(802.11g)	Distance: 3m
Model: X1	
Manufacturer: Xeek	

Note: Report No.:ATE20160678



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2451.034	92.03	-7.47	84.56			peak			
2	4874.917	48.76	-1.31	47.45	74.00	-26.55	peak			

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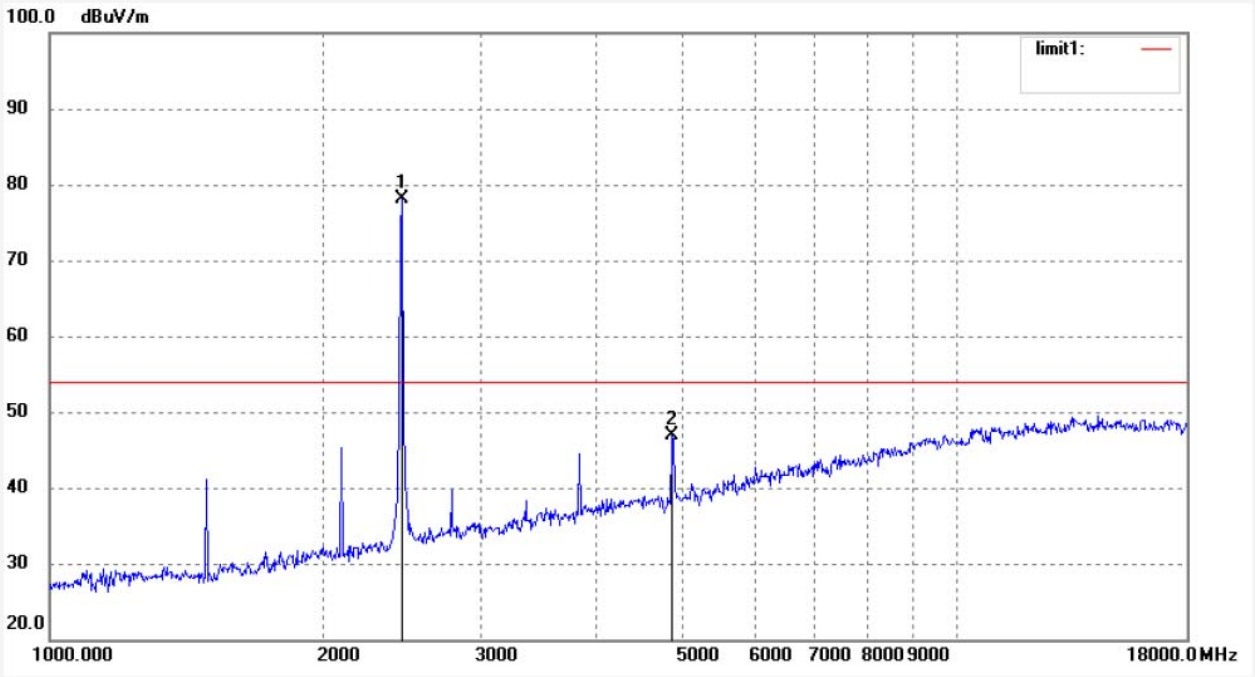
Job No.: STAR2016 #731	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 16/05/07/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 12/57/47
EUT: Deep breathing training device	Engineer Signature: star
Mode: TX Channel 6(802.11g)	Distance: 3m
Model: X1	
Manufacturer: Xeek	

Note: Report No.:ATE20160678



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2451.034	85.64	-7.47	78.17			peak			
2	4874.717	48.15	-1.31	46.84	74.00	-27.16	peak			

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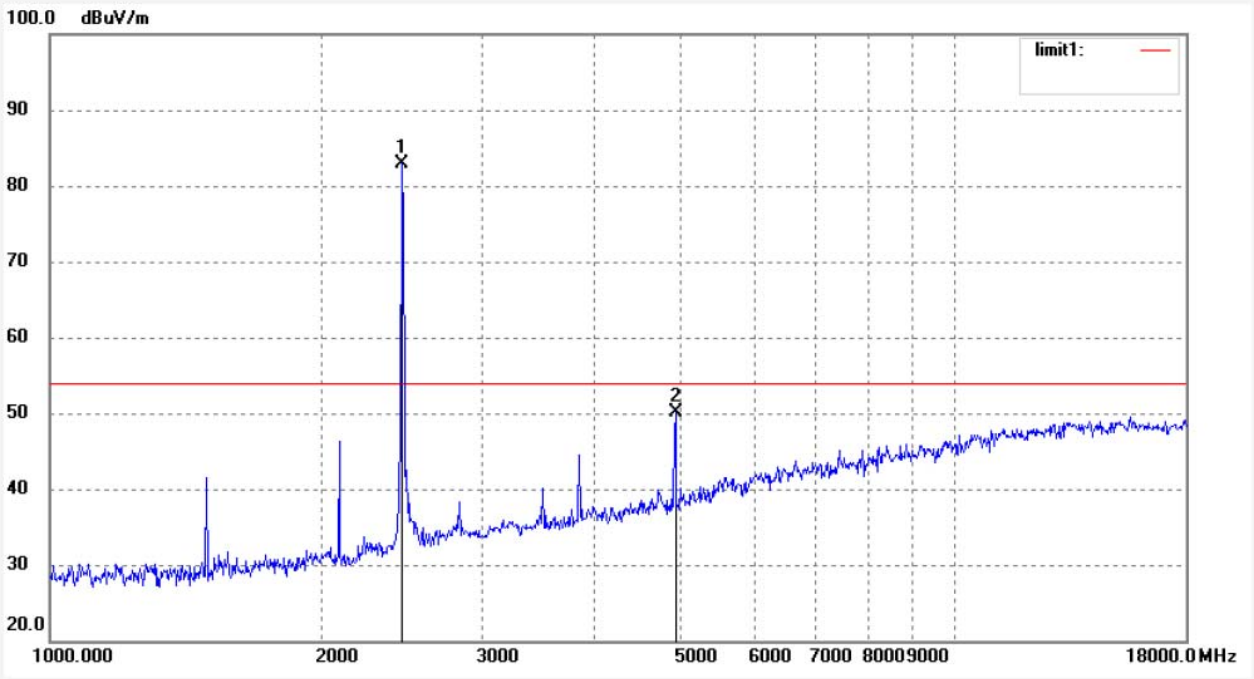
Job No.: STAR2016 #733	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 16/05/07/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 13/06/05
EUT: Deep breathing training device	Engineer Signature: star
Mode: TX Channel 11(802.11g)	Distance: 3m
Model: X1	
Manufacturer: Xeek	

Note: Report No.:ATE20160678



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2451.034	90.38	-7.47	82.91			peak			
2	4914.444	51.18	-1.17	50.01	74.00	-23.99	peak			

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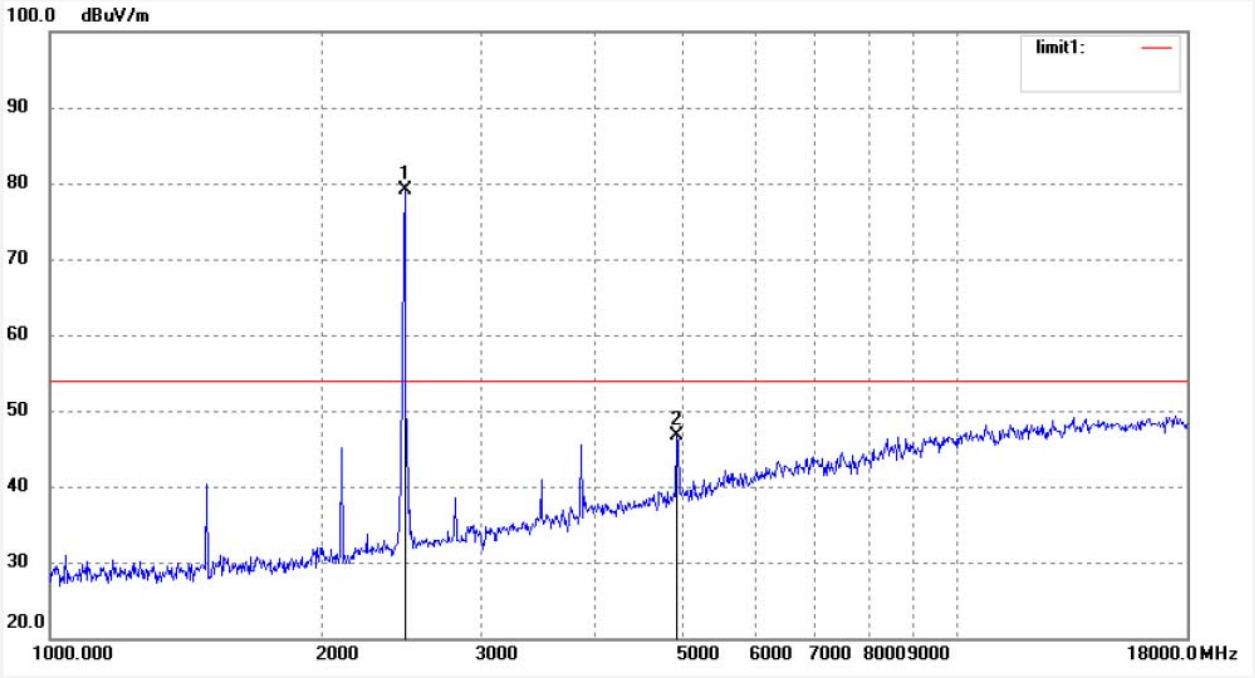
Job No.: STAR2016 #734
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Deep breathing training device
Mode: TX Channel 11(802.11g)
Model: X1
Manufacturer: Xeek

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 16/05/07/
Time: 13/11/12
Engineer Signature: star
Distance: 3m

Note: Report No.:ATE20160678



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2465.345	86.60	-7.42	79.18			peak			
2	4924.444	47.82	-1.14	46.68	74.00	-27.32	peak			

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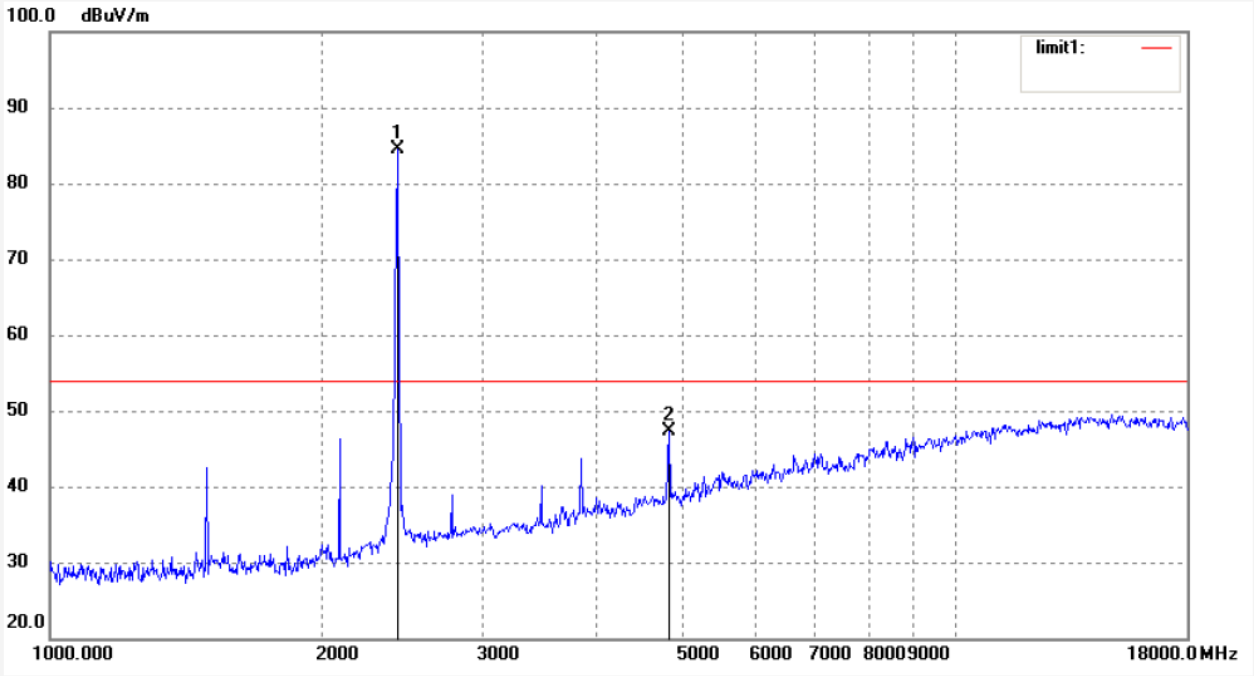
Job No.: STAR2016 #736	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 16/05/07/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 13/20/08
EUT: Deep breathing training device	Engineer Signature: star
Mode: TX Channel 1(802.11n20)	Distance: 3m
Model: X1	
Manufacturer: Xeek	

Note: Report No.:ATE20160678



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2422.662	92.02	-7.54	84.48			peak			
2	4824.361	48.81	-1.47	47.34	74.00	-26.66	peak			

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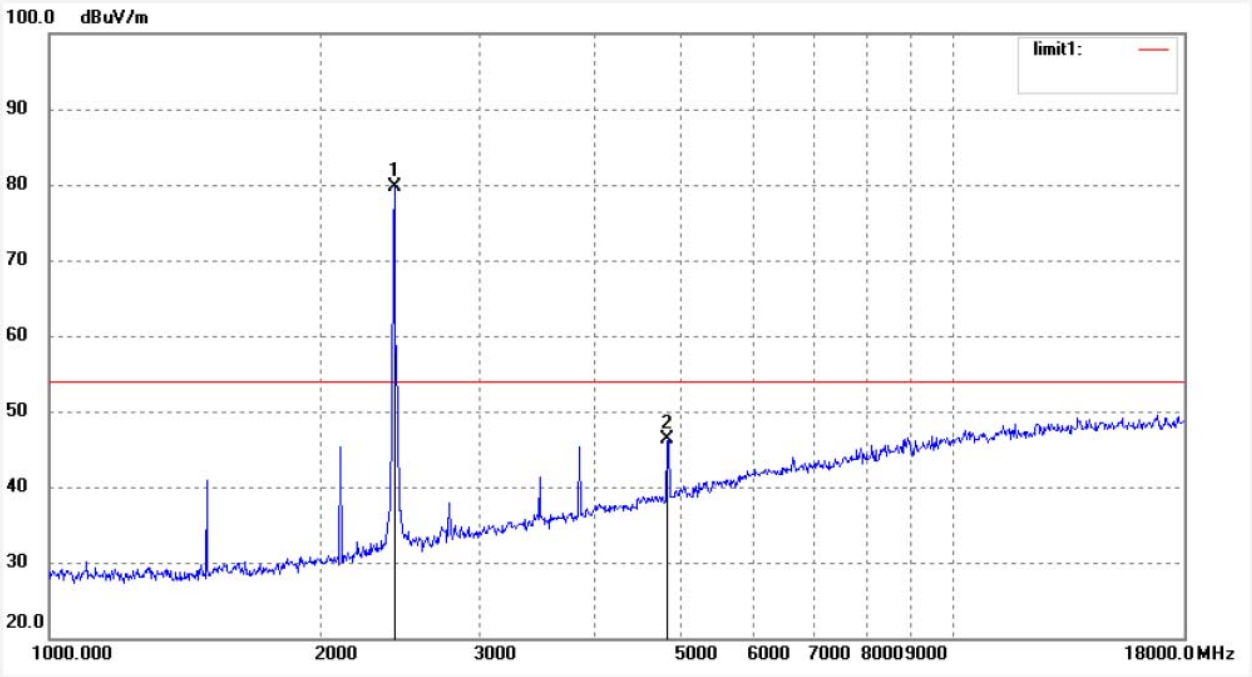
Job No.: STAR2016 #735	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 16/05/07/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 13/15/05
EUT: Deep breathing training device	Engineer Signature: star
Mode: TX Channel 1(802.11n20)	Distance: 3m
Model: X1	
Manufacturer: Xeek	

Note: Report No.:ATE20160678



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2408.600	87.21	-7.59	79.62			peak			
2	4824.438	47.74	-1.47	46.27	74.00	-27.73	peak			

ACCURATE TECHNOLOGY CO., LTD.
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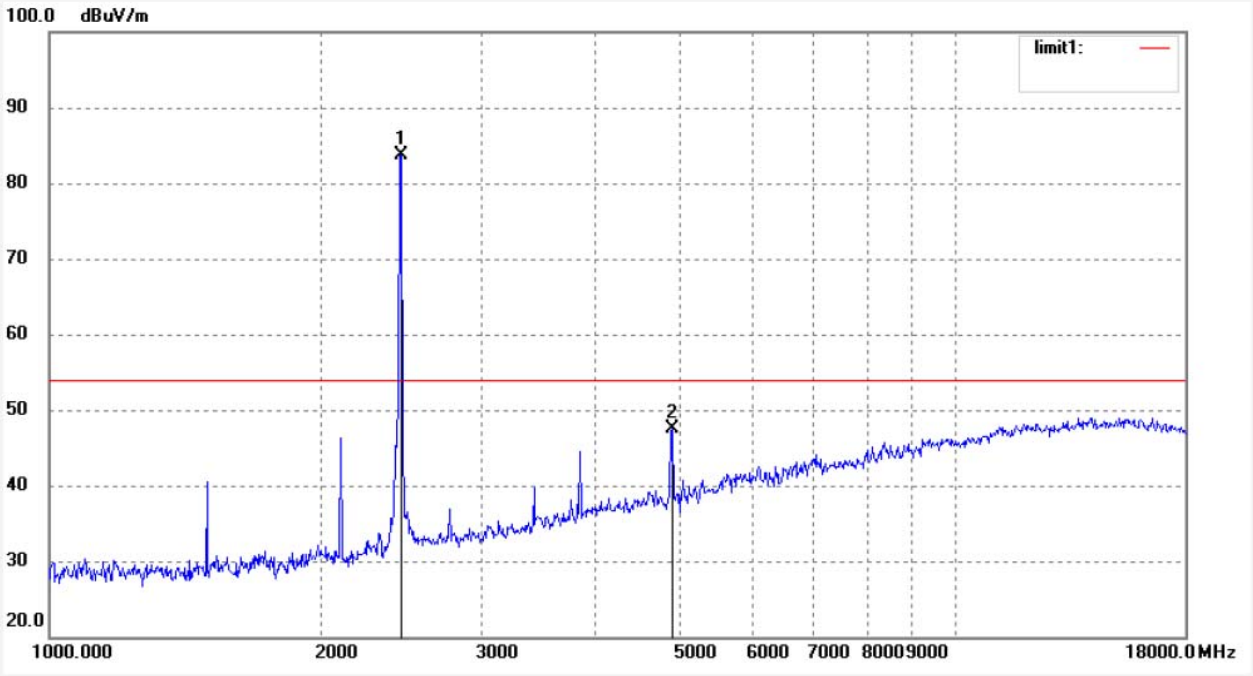
Fax:+86-0755-26503396

Job No.: STAR2016 #737	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 16/05/07/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 13/25/26
EUT: Deep breathing training device	Engineer Signature: star
Mode: TX Channel 6(802.11n20)	Distance: 3m
Model: X1	
Manufacturer: Xeek	

Note: Report No.:ATE20160678



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2451.034	91.20	-7.47	83.73			peak			
2	4874.517	48.85	-1.31	47.54	74.00	-26.46	peak			

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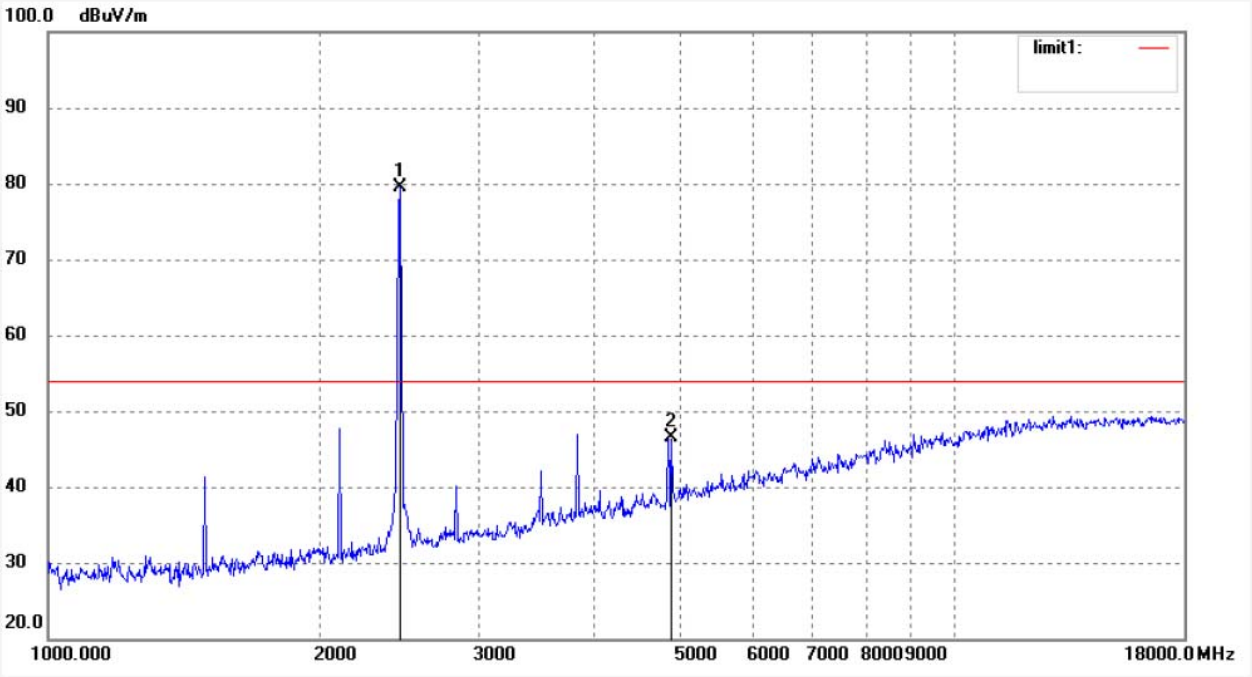
Job No.: STAR2016 #738	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 16/05/07/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 13/29/40
EUT: Deep breathing training device	Engineer Signature: star
Mode: TX Channel 6(802.11n20)	Distance: 3m
Model: X1	
Manufacturer: Xeek	

Note: Report No.:ATE20160678



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2451.034	86.91	-7.47	79.44			peak			
2	4874.438	47.85	-1.31	46.54	74.00	-27.46	peak			

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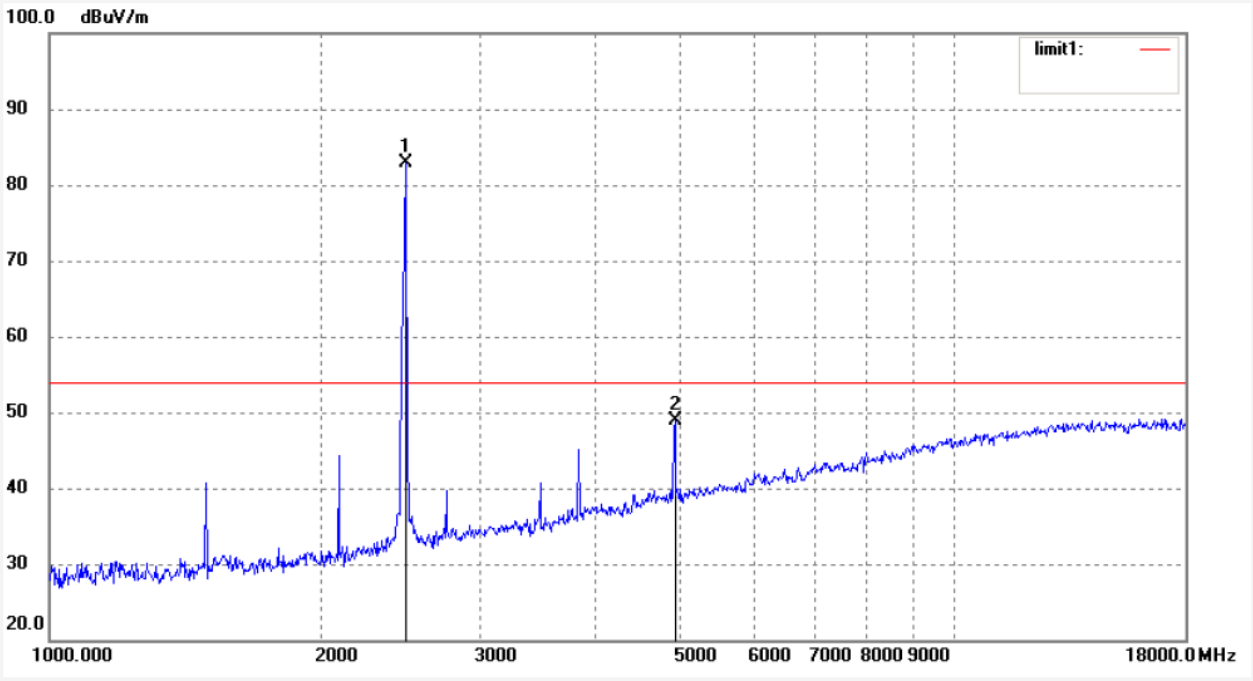
Job No.: STAR2016 #740	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 16/05/07/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 13/35/15
EUT: Deep breathing training device	Engineer Signature: star
Mode: TX Channel 11(802.11n20)	Distance: 3m
Model: X1	
Manufacturer: Xeek	

Note: Report No.:ATE20160678



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2479.738	90.33	-7.38	82.95			peak			
2	4924.444	49.95	-1.14	48.81	74.00	-25.19	peak			

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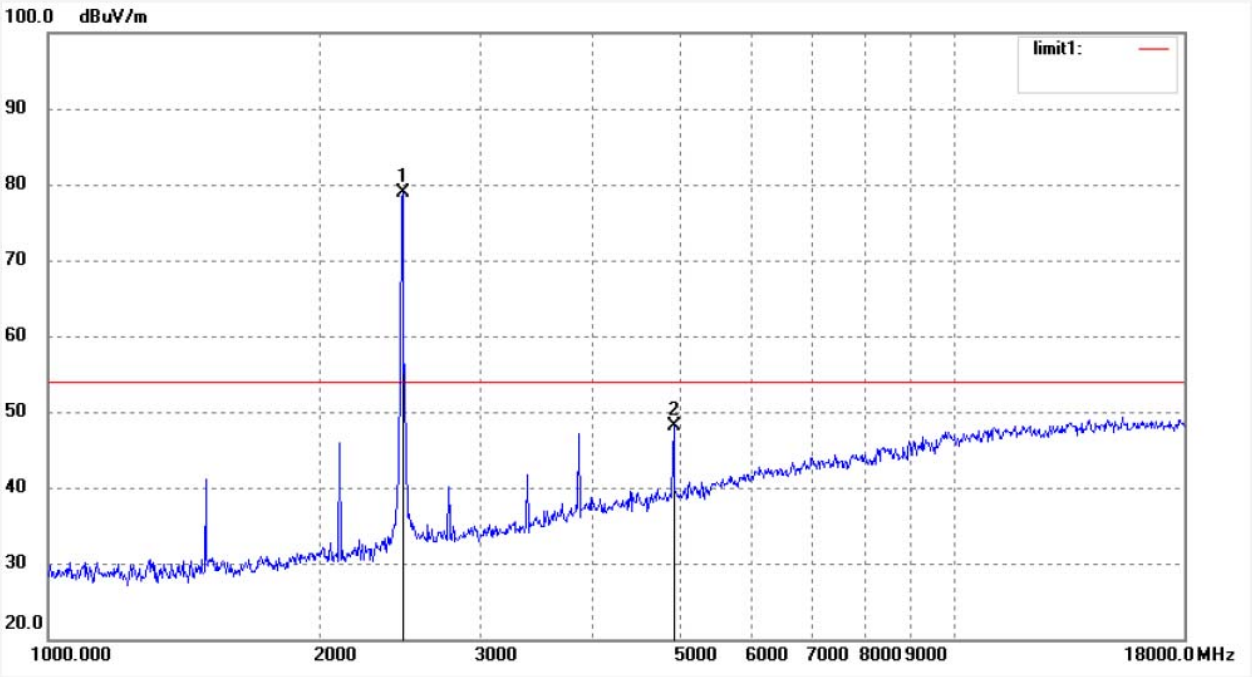
Fax:+86-0755-26503396

Job No.: STAR2016 #739	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 16/05/07/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 13/33/56
EUT: Deep breathing training device	Engineer Signature: star
Mode: TX Channel 11(802.11n20)	Distance: 3m
Model: X1	
Manufacturer: Xeek	

Note: Report No.:ATE20160678

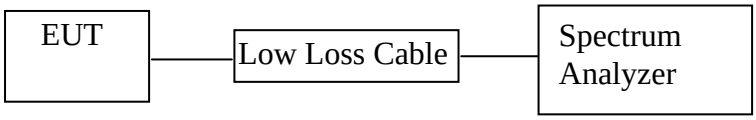


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2465.345	86.24	-7.42	78.82			peak			
2	4924.444	49.27	-1.14	48.13	74.00	-25.87	peak			

Note: The peak test value is less than AV limit at frequency above 1GHz, According to the FCC standard requirements, it is not required to carry out Average measurement with peak detection at frequency above 1GHz

11. CONDUCTED SPURIOUS EMISSION COMPLIANCE TEST

11.1. Block Diagram of Test Setup



11.2. The Requirement For Section 15.247(d)

Section 15.247(d): 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 power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

11.3. EUT Configuration on Measurement

The equipment is installed on the emission measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

11.4. Operating Condition of EUT

11.4.1. Setup the EUT and simulator as shown as Section 11.1.

11.4.2. Turn on the power of all equipment.

11.4.3. Let the EUT work in TX modes measure it. The transmit frequency are 2412-2462. We select 2412MHz, 2437MHz, 2462MHz TX frequency to transmit.

11.5. Test Procedure

11.5.1. The transmitter output was connected to the spectrum analyzer via a low loss

cable.

11.5.2.Set RBW of spectrum analyzer to 100kHz and VBW to 300kHz.

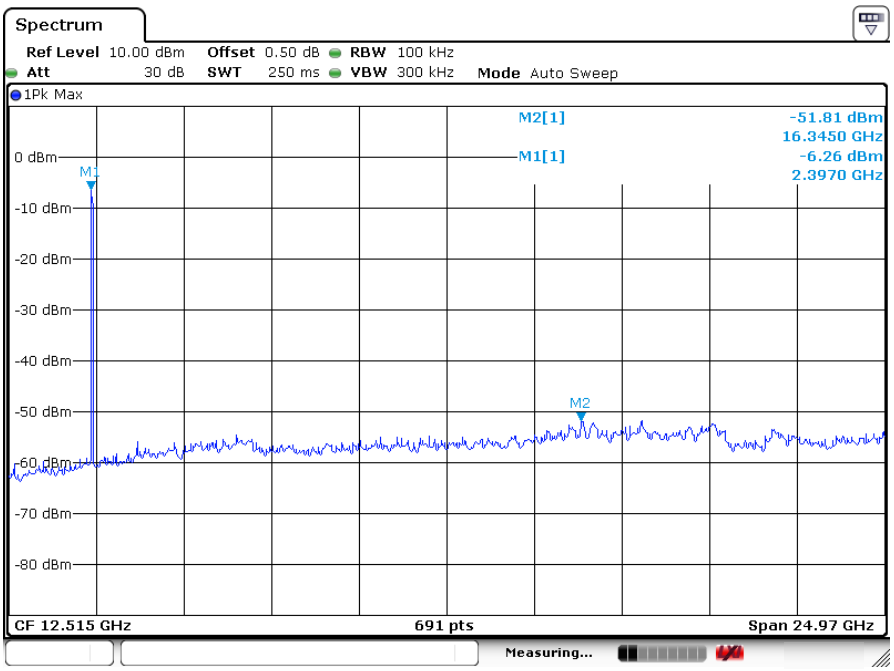
11.5.3.The Conducted Spurious Emission was measured and recorded.

11.6.Test Result

Pass.

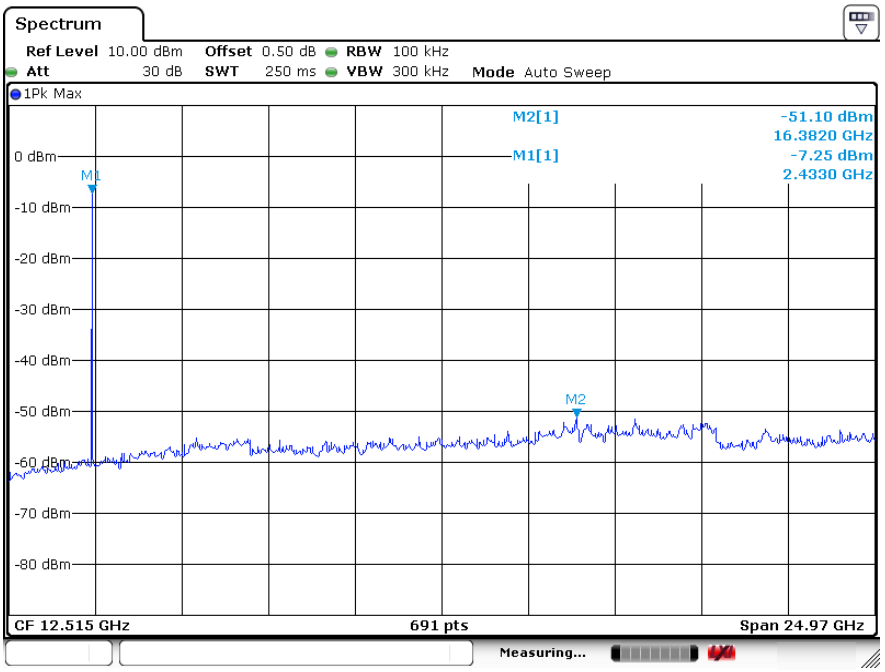
The spectrum analyzer plots are attached as below.

TX 802.11b Channel Low 2412MHz



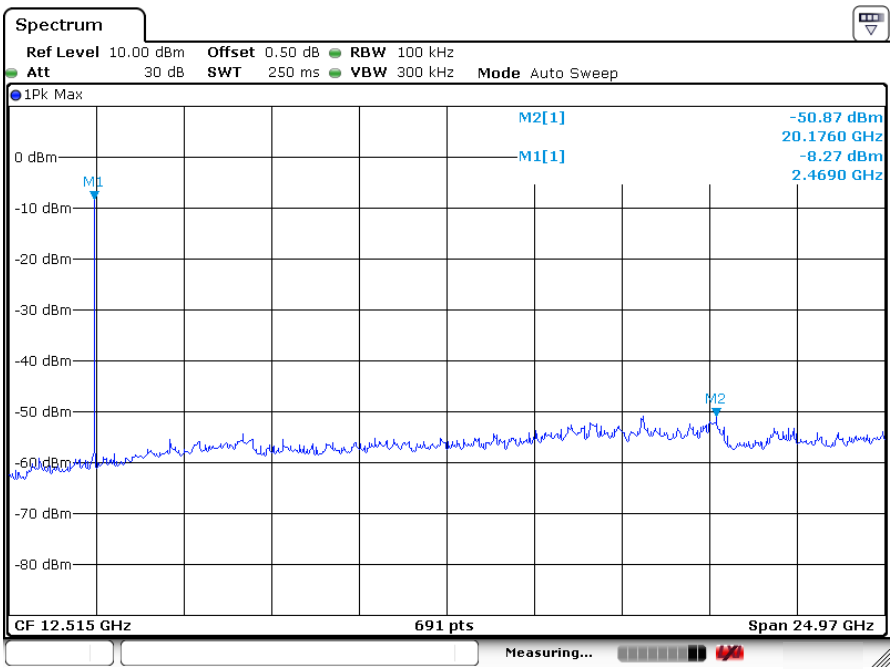
Date: 06.May.2016 10:48:13

TX 802.11b Channel Middle 2437MHz



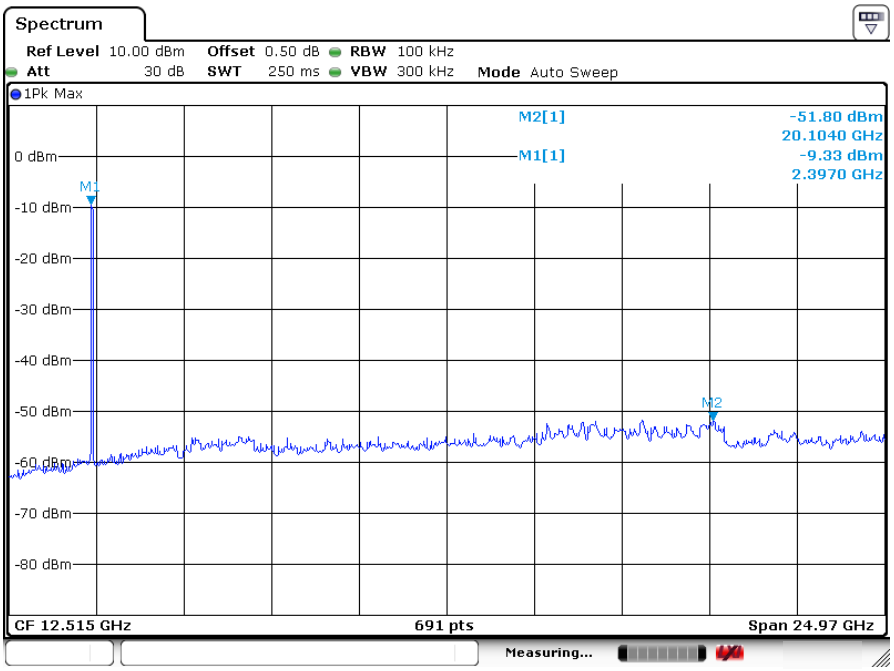
Date: 06.May.2016 10:47:00

TX 802.11b Channel High 2462MHz



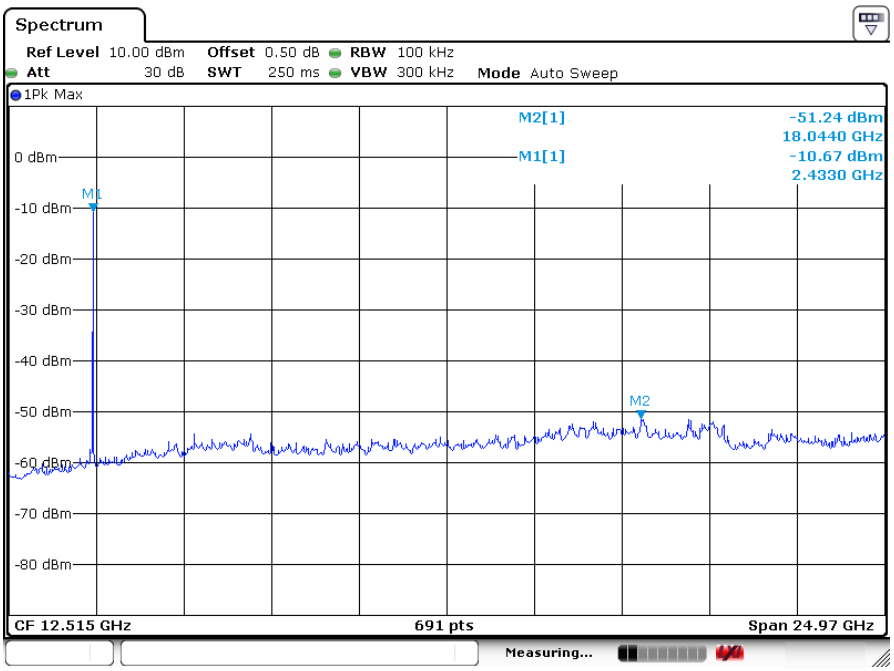
Date: 06.May.2016 10:49:12

TX 802.11g Channel Low 2412MHz



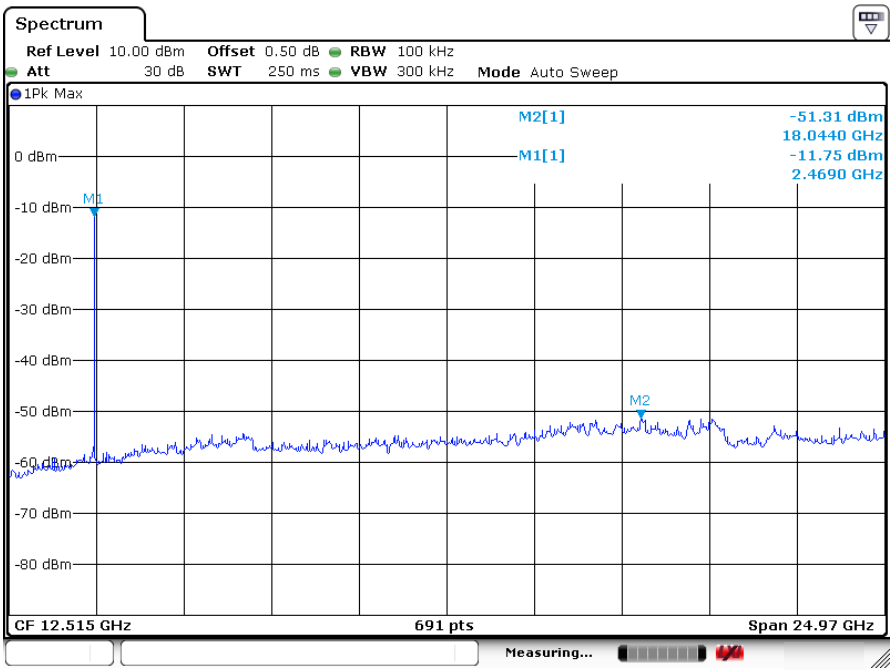
Date: 06.May.2016 10:55:30

TX 802.11g Channel Middle 2437MHz



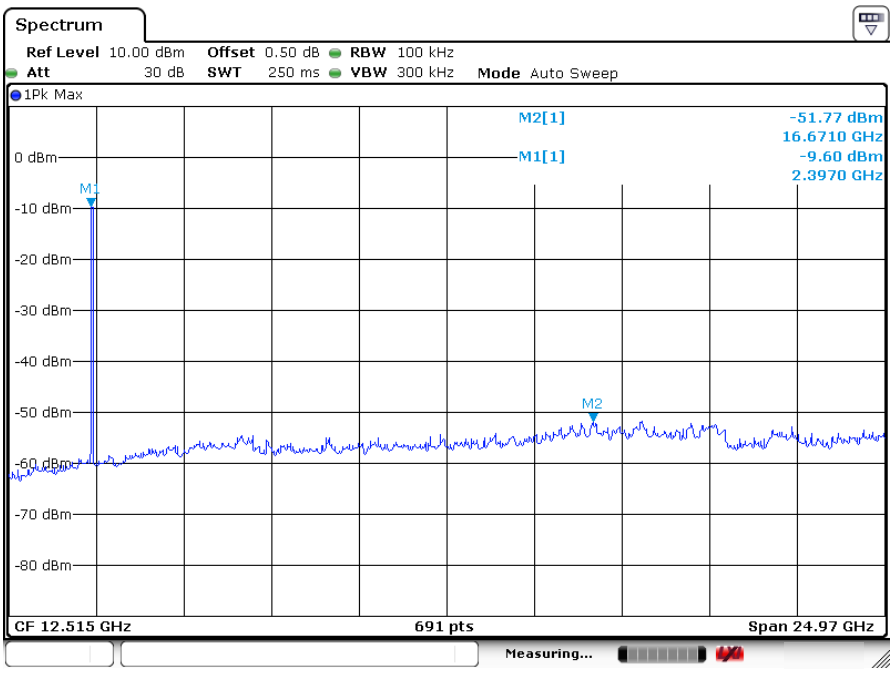
Date: 06.May.2016 10:53:11

TX 802.11g Channel High 2462MHz



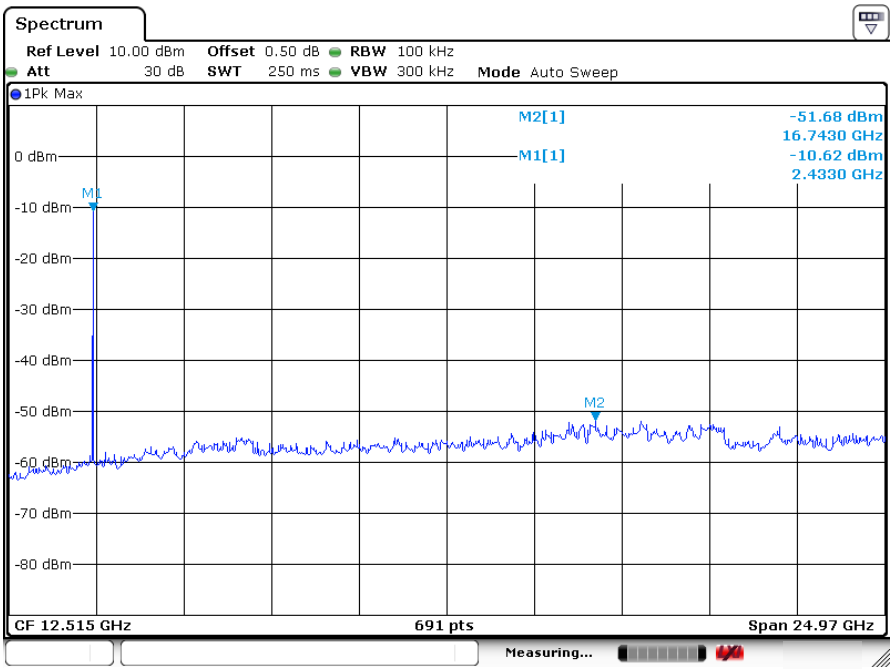
Date: 06.May.2016 10:52:12

TX 802.11n Channel Low 2412MHz (20MHz)



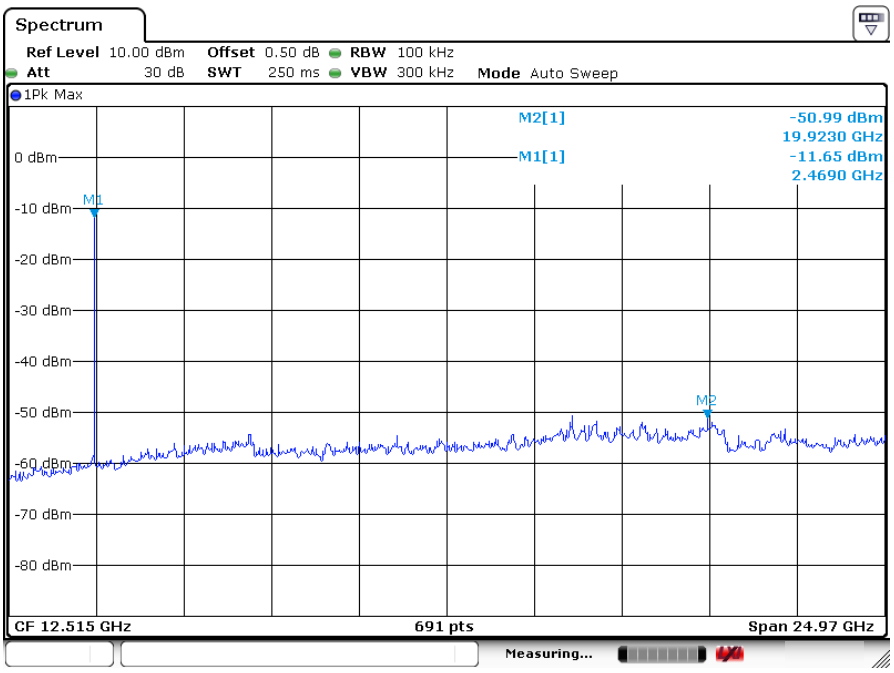
Date: 06.May.2016 10:56:43

TX 802.11n Channel Middle 2437MHz (20MHz)



Date: 06.May.2016 10:57:29

TX 802.11n Channel High 2462MHz (20MHz)



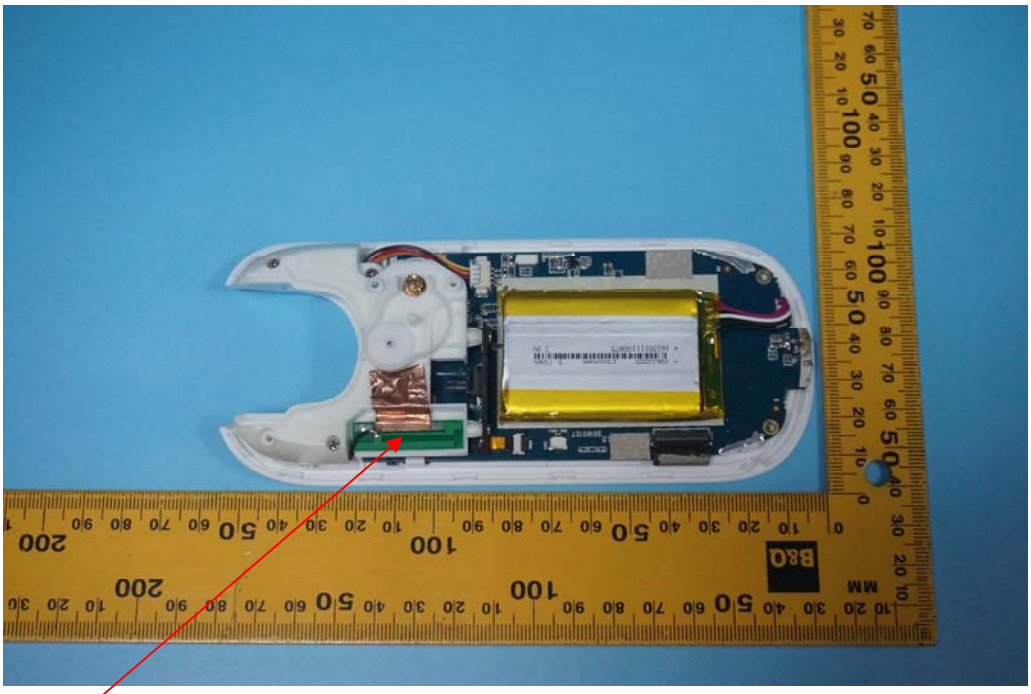
12. ANTENNA REQUIREMENT

12.1. The Requirement

According to Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

12.2. Antenna Construction

Device is equipped with permanent attached antenna, which isn't displaced by other antenna. The Antenna gain of EUT is 2.5dBi. Therefore, the equipment complies with the antenna requirement of Section 15.203.



Antenna