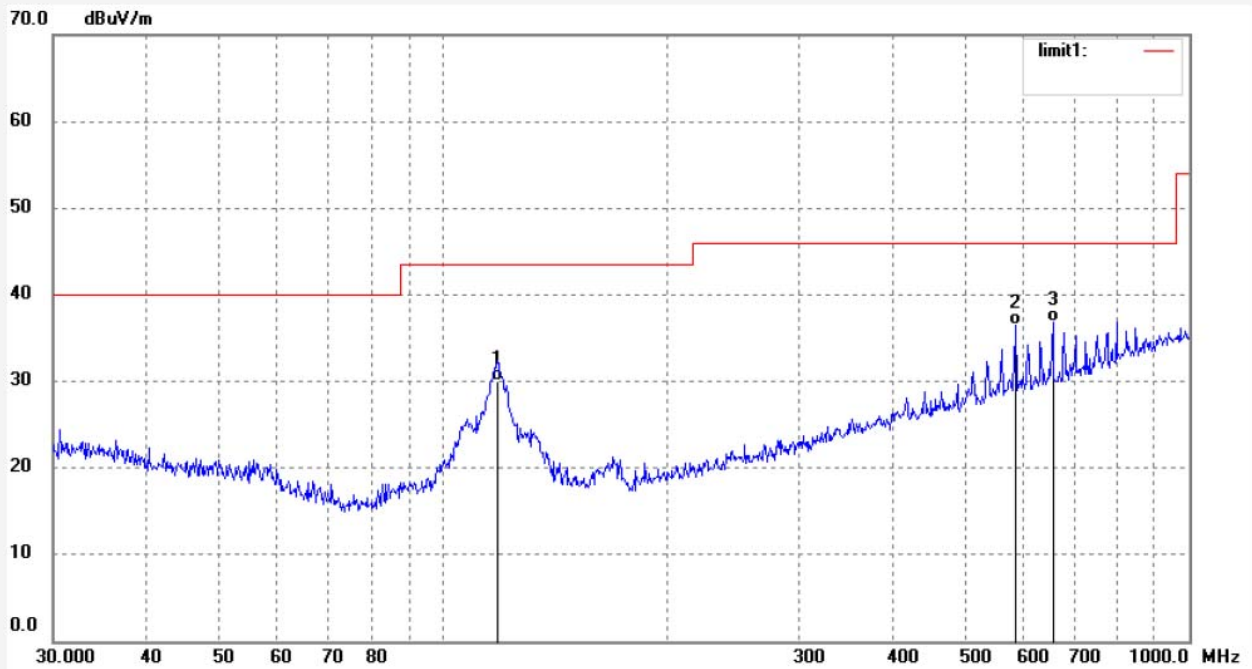


Job No.: star2015 #280	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2015/06/22
Temp.(C)/Hum.(%) 23 C / 48 %	Time: 15:47:32
EUT: Indoor Air Quality Sensor	Engineer Signature: Star
Mode: TX Channel 11(802.11b)	Distance: 3m
Model: AAware	
Manufacturer: Mixwell	

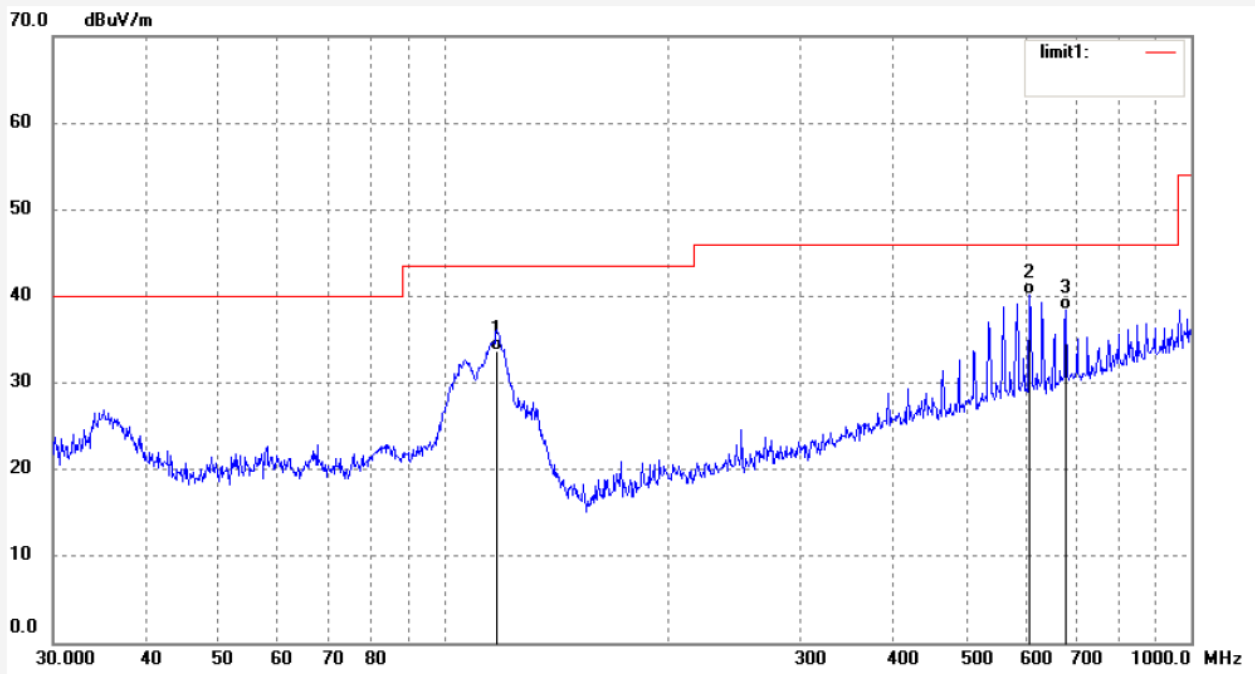
Note: Report No.:ATE20151334



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	118.1861	44.10	-14.15	29.95	43.50	-13.55	QP			
2	584.7894	40.50	-4.09	36.41	46.00	-9.59	QP			
3	656.5299	40.16	-3.31	36.85	46.00	-9.15	QP			

Job No.: star2015 #279	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2015/06/22
Temp.(C)/Hum.(%) 23 C / 48 %	Time: 15:44:45
EUT: Indoor Air Quality Sensor	Engineer Signature: Star
Mode: TX Channel 11(802.11b)	Distance: 3m
Model: AAware	
Manufacturer: Mixwell	

Note: Report No.:ATE20151334



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	117.7725	47.91	-14.14	33.77	43.50	-9.73	QP			
2	607.7867	44.02	-3.84	40.18	46.00	-5.82	QP			
3	679.9600	41.39	-3.02	38.37	46.00	-7.63	QP			

Above 1G



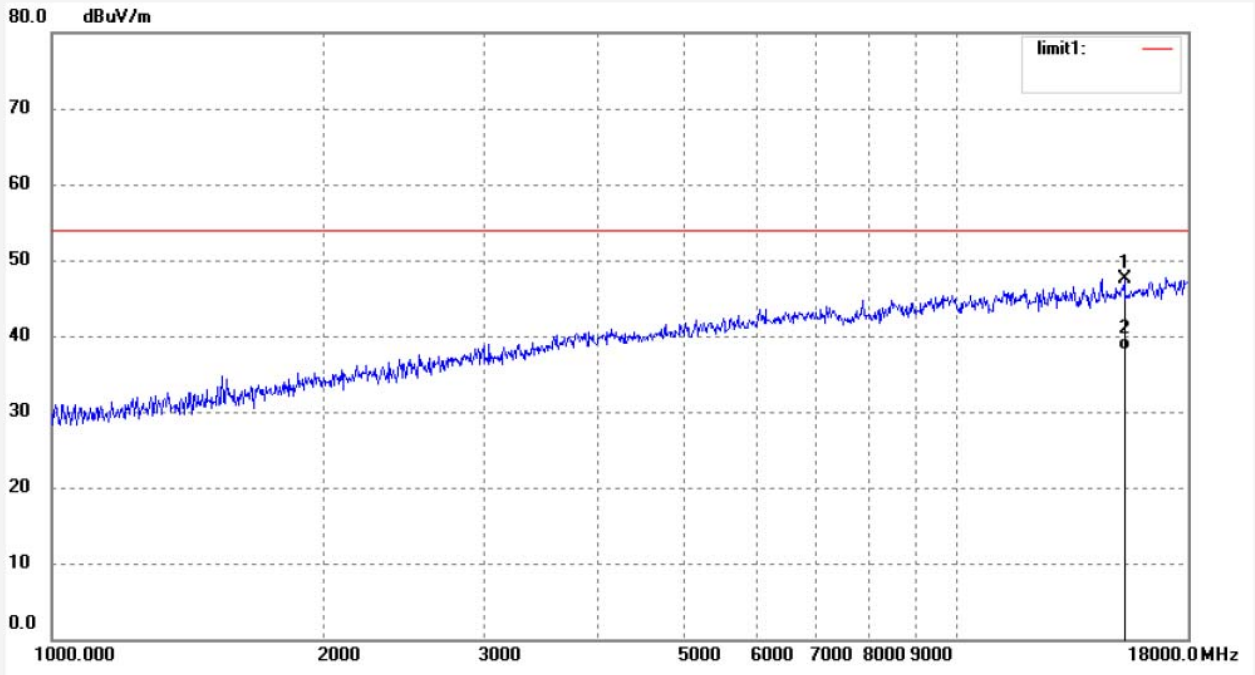
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Job No.: STAR #2284	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/06/23/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/18/33
EUT: Indoor Air Quality Sensor	Engineer Signature: STAR
Mode: TX Channel 1(802.11b)	Distance: 3m
Model: AAware	
Manufacturer: Mixwell	

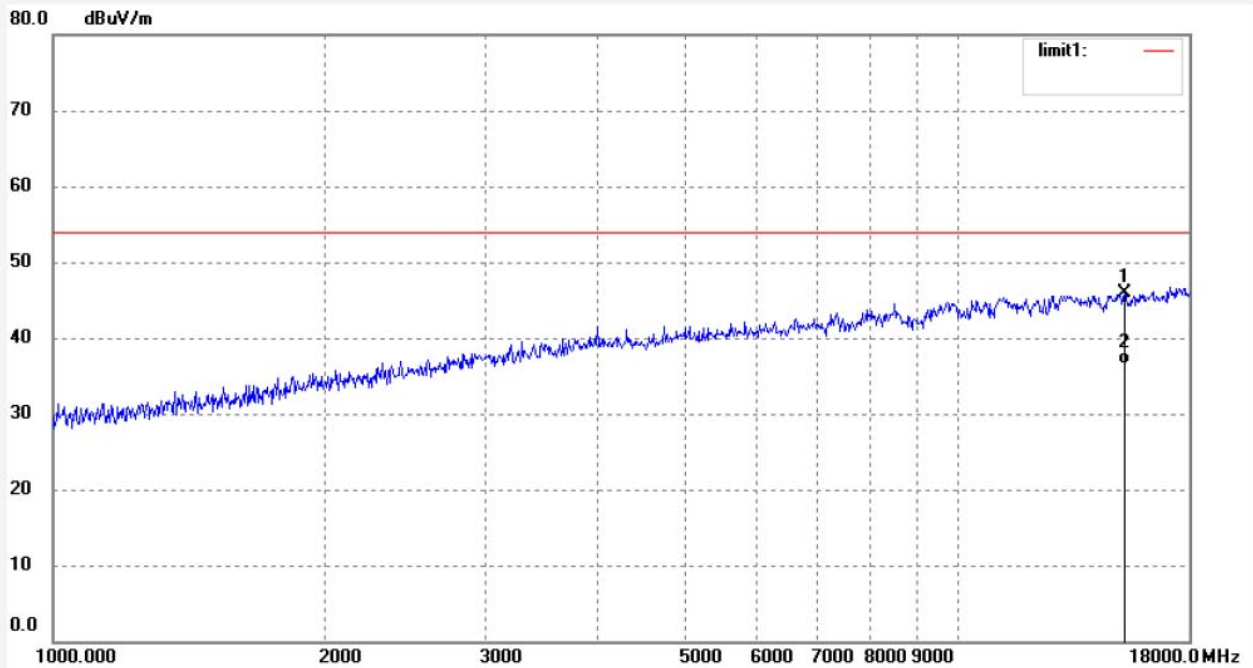
Note: Report No.:ATE20151334



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	15310.072	35.98	11.48	47.46	74.00	-26.54	peak			
2	15310.072	26.67	11.48	38.15	54.00	-15.85	peak			

Job No.: STAR #2304	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/06/23/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/14/13
EUT: Indoor Air Quality Sensor	Engineer Signature: STAR
Mode: TX Channel 1(802.11b)	Distance: 3m
Model: AAware	
Manufacturer: Mixwell	

Note: Report No.:ATE20151334



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	15265.885	34.38	11.54	45.52	74.00	-28.48	peak			
2	15265.885	25.20	11.54	36.62	54.00	-17.38	peak			



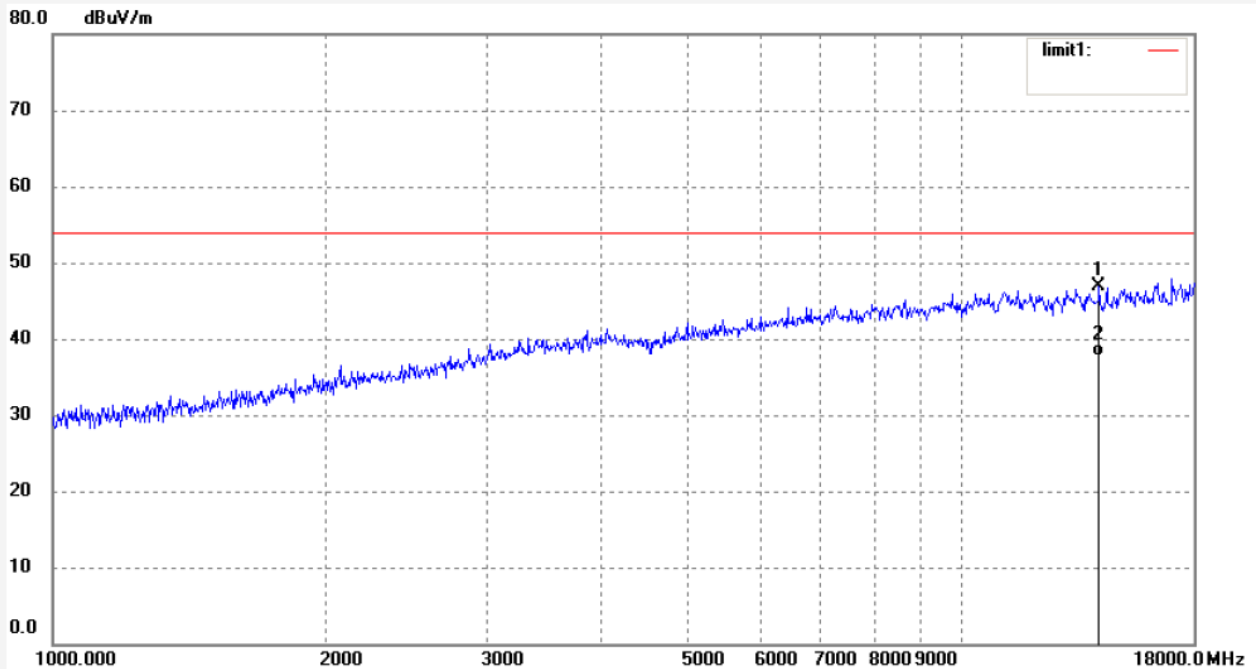
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Job No.: STAR #2285	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/06/23/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/23/09
EUT: Indoor Air Quality Sensor	Engineer Signature: STAR
Mode: TX Channel 6(802.11b)	Distance: 3m
Model: AAware	
Manufacturer: Mixwell	

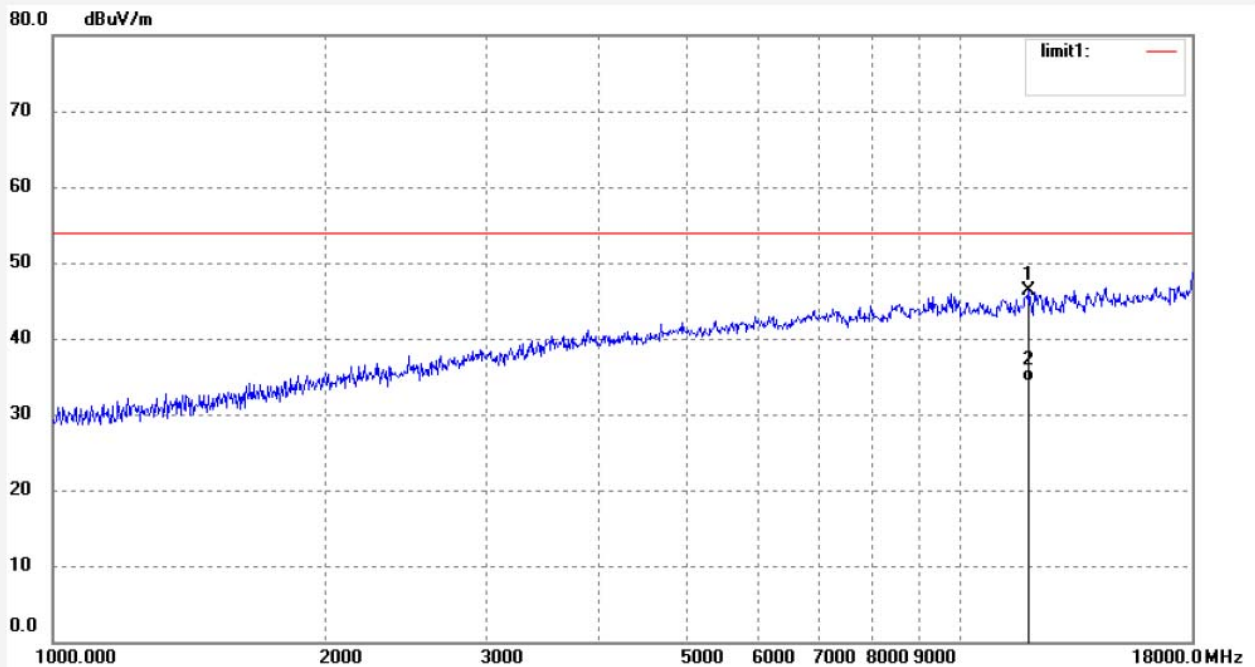
Note: Report No.:ATE20151334



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	14160.705	35.61	11.24	46.85	74.00	-27.15	peak			
2	14160.705	26.44	11.24	37.68	54.00	-16.32	peak			

Job No.: STAR #2286	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/06/23/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/27/59
EUT: Indoor Air Quality Sensor	Engineer Signature: STAR
Mode: TX Channel 6(802.11b)	Distance: 3m
Model: AAware	
Manufacturer: Mixwell	

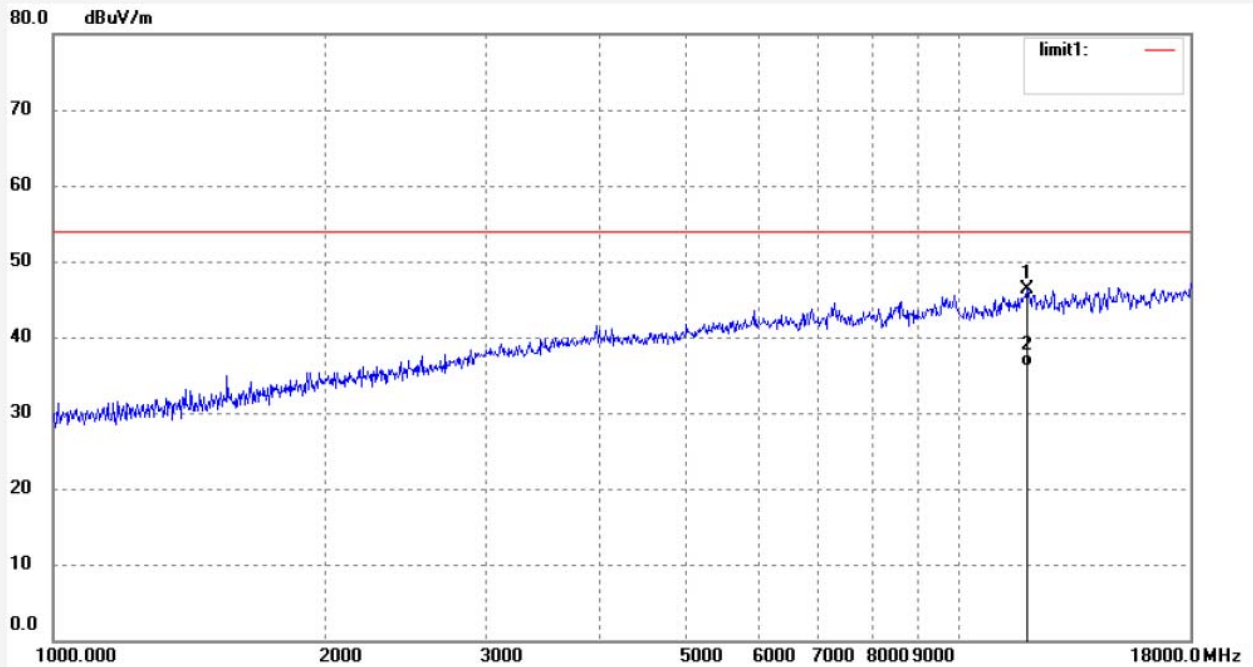
Note: Report No.:ATE20151334



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	11906.073	39.93	6.41	46.34	74.00	-27.66	peak			
2	11906.073	27.90	6.41	34.31	54.00	-19.69	peak			

Job No.: STAR #2288	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/06/23/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/33/20
EUT: Indoor Air Quality Sensor	Engineer Signature: STAR
Mode: TX Channel 11(802.11b)	Distance: 3m
Model: AAware	
Manufacturer: Mixwell	

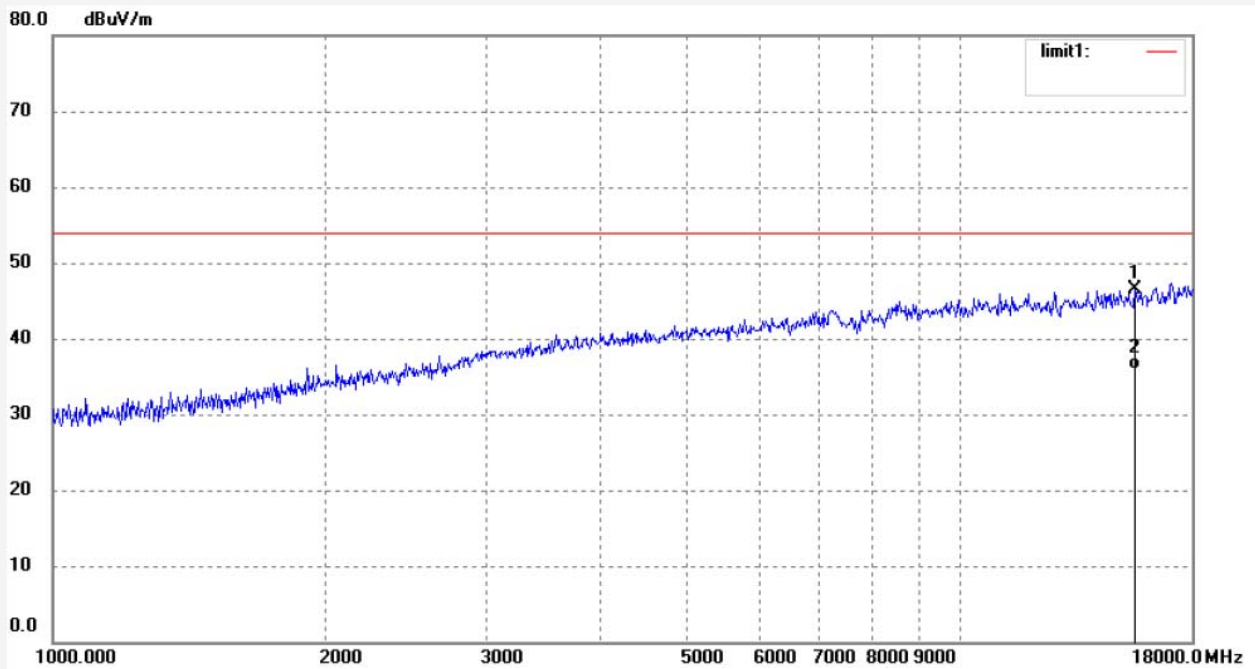
Note: Report No.:ATE20151334



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	11906.073	39.87	6.41	46.28	74.00	-27.72	peak			
2	11906.073	29.64	6.41	36.05	54.00	-17.95	peak			

Job No.: STAR #2287	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/06/23/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/30/42
EUT: Indoor Air Quality Sensor	Engineer Signature: STAR
Mode: TX Channel 11(802.11b)	Distance: 3m
Model: AAware	
Manufacturer: Mixwell	

Note: Report No.:ATE20151334



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	15577.899	35.14	11.30	46.44	74.00	-27.56	peak			
2	15577.899	24.60	11.30	35.90	54.00	-18.10	peak			



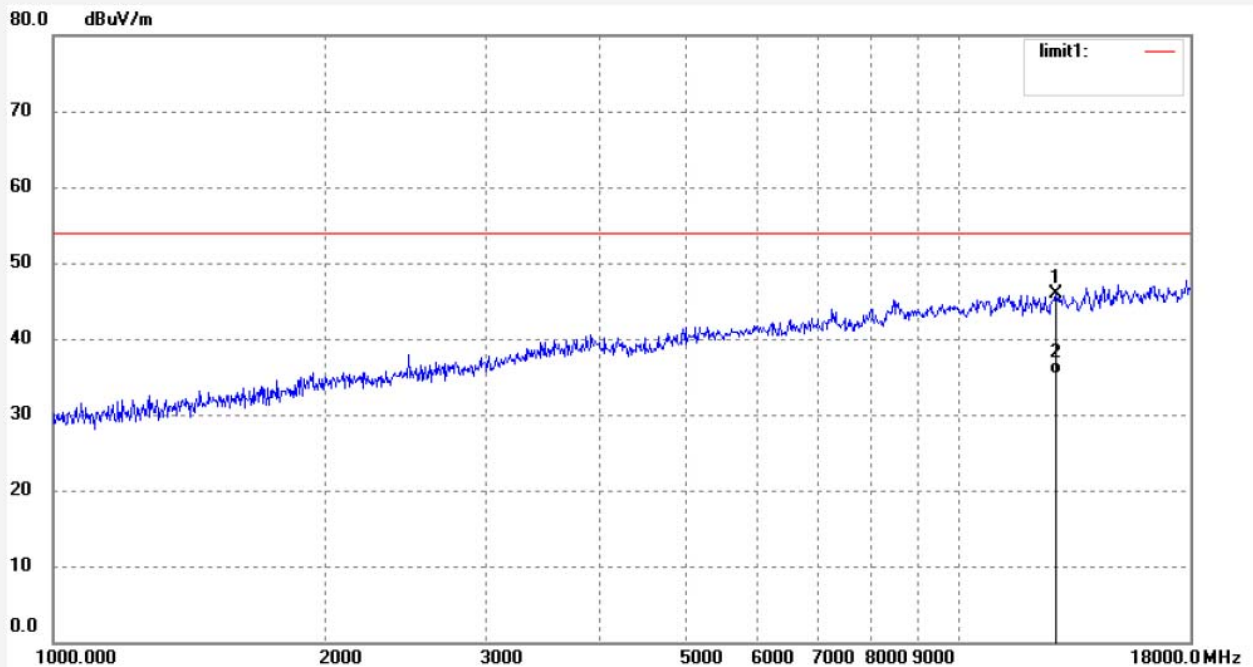
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Job No.: STAR #2289	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/06/23/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/37/06
EUT: Indoor Air Quality Sensor	Engineer Signature: STAR
Mode: TX Channel 1(802.11g)	Distance: 3m
Model: AAware	
Manufacturer: Mixwell	

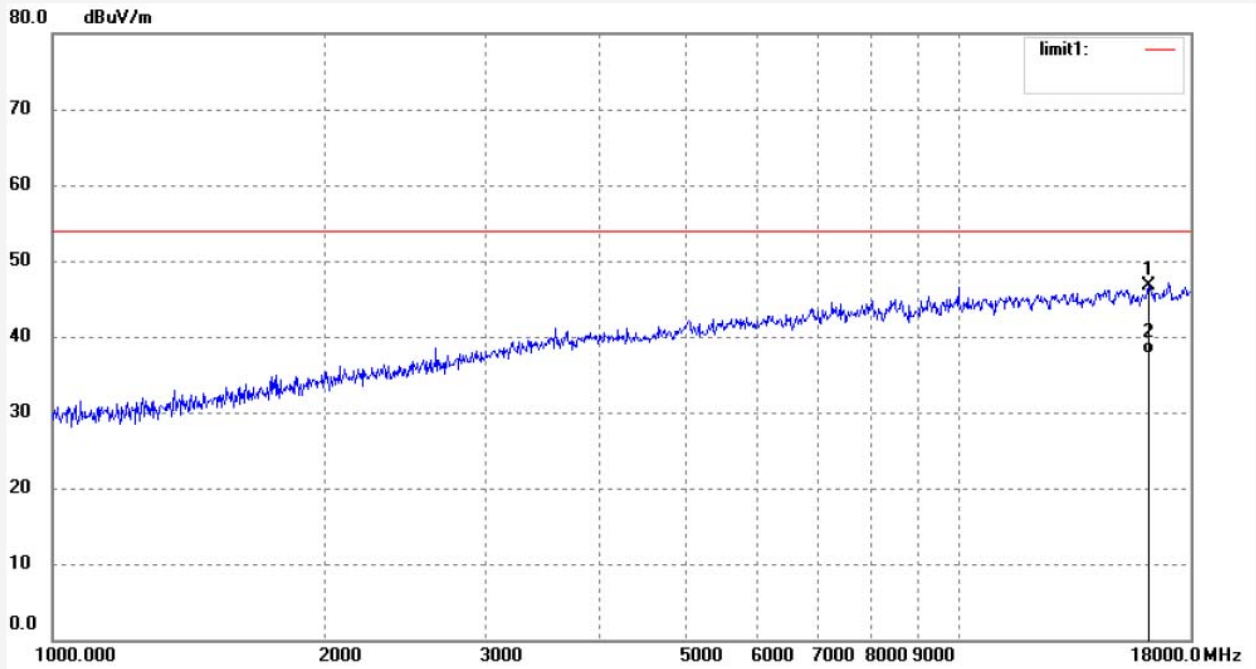
Note: Report No.:ATE20151334



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	12798.243	38.23	7.60	45.83	74.00	-28.17	peak			
2	12798.243	27.67	7.60	35.27	54.00	-18.73	peak			

Job No.: STAR #2290	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/06/23/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/41/54
EUT: Indoor Air Quality Sensor	Engineer Signature: STAR
Mode: TX Channel 1(802.11g)	Distance: 3m
Model: AAware	
Manufacturer: Mixwell	

Note: Report No.:ATE20151334



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	16174.372	34.82	11.79	46.61	74.00	-27.39	peak			
2	16174.372	26.00	11.79	37.79	54.00	-16.21	peak			



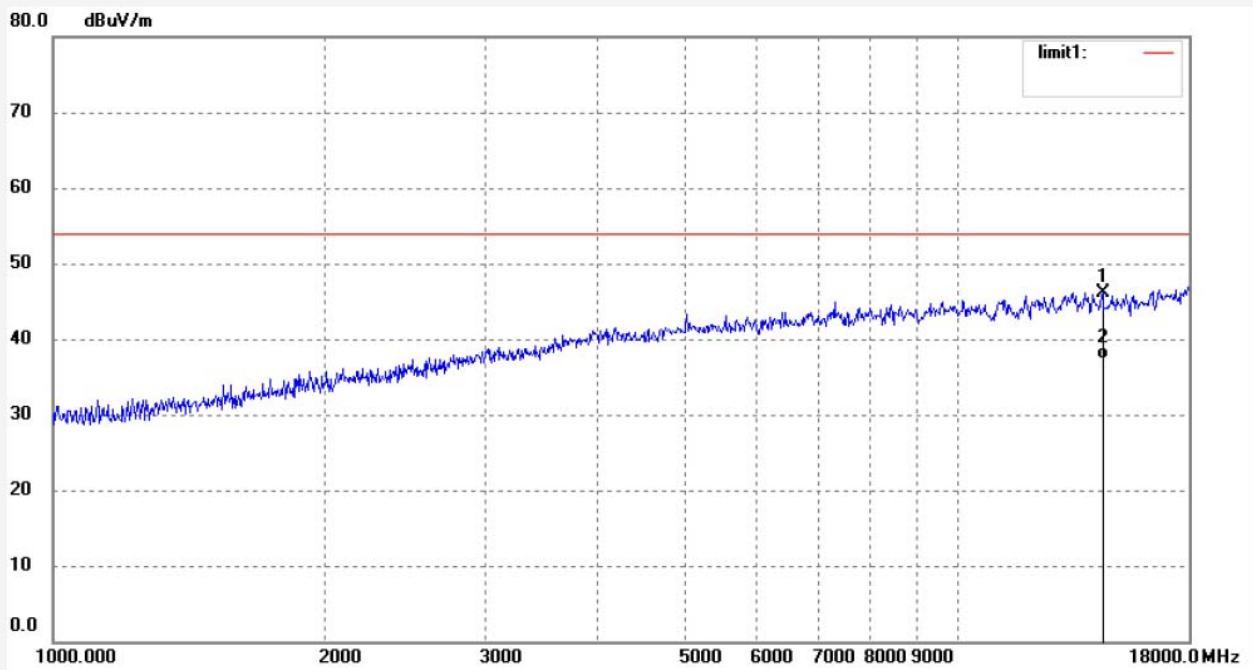
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Job No.: STAR #2292	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/06/23/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/48/47
EUT: Indoor Air Quality Sensor	Engineer Signature: STAR
Mode: TX Channel 6(802.11g)	Distance: 3m
Model: AAware	
Manufacturer: Mixwell	

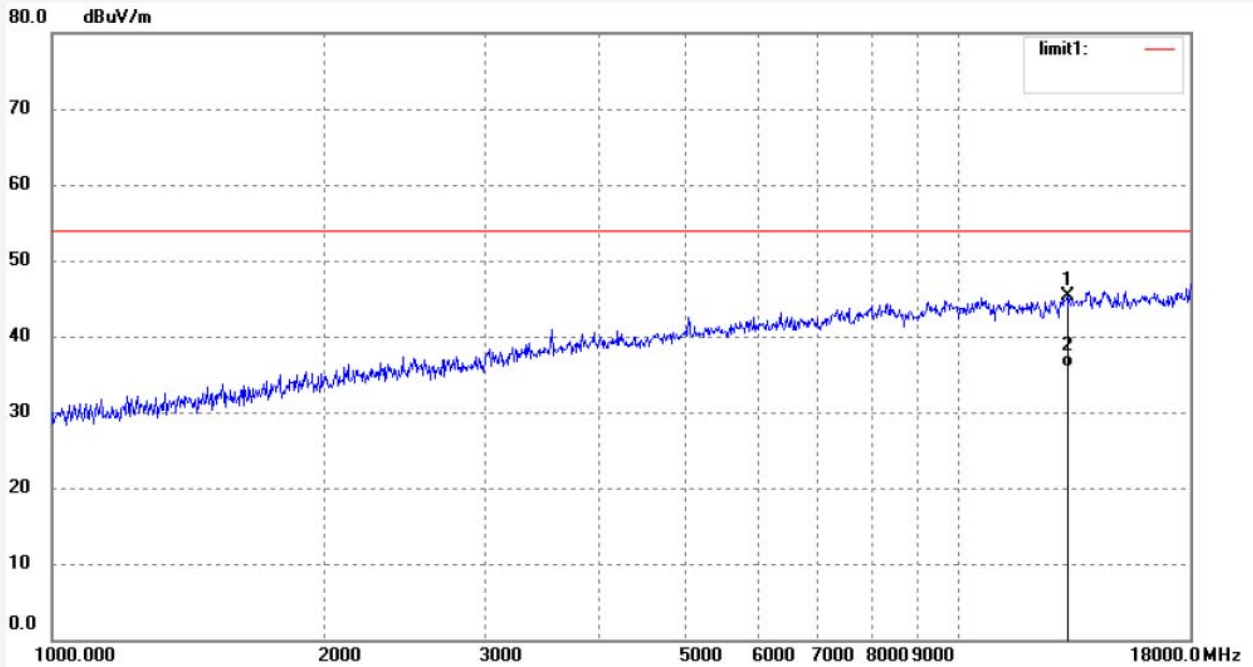
Note: Report No.:ATE20151334



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	14450.131	33.47	12.73	46.20	74.00	-27.80	peak			
2	14450.131	24.60	12.73	37.33	54.00	-16.67	peak			

Job No.: STAR #2291	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/06/23/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/45/48
EUT: Indoor Air Quality Sensor	Engineer Signature: STAR
Mode: TX Channel 6(802.11g)	Distance: 3m
Model: AAware	
Manufacturer: Mixwell	

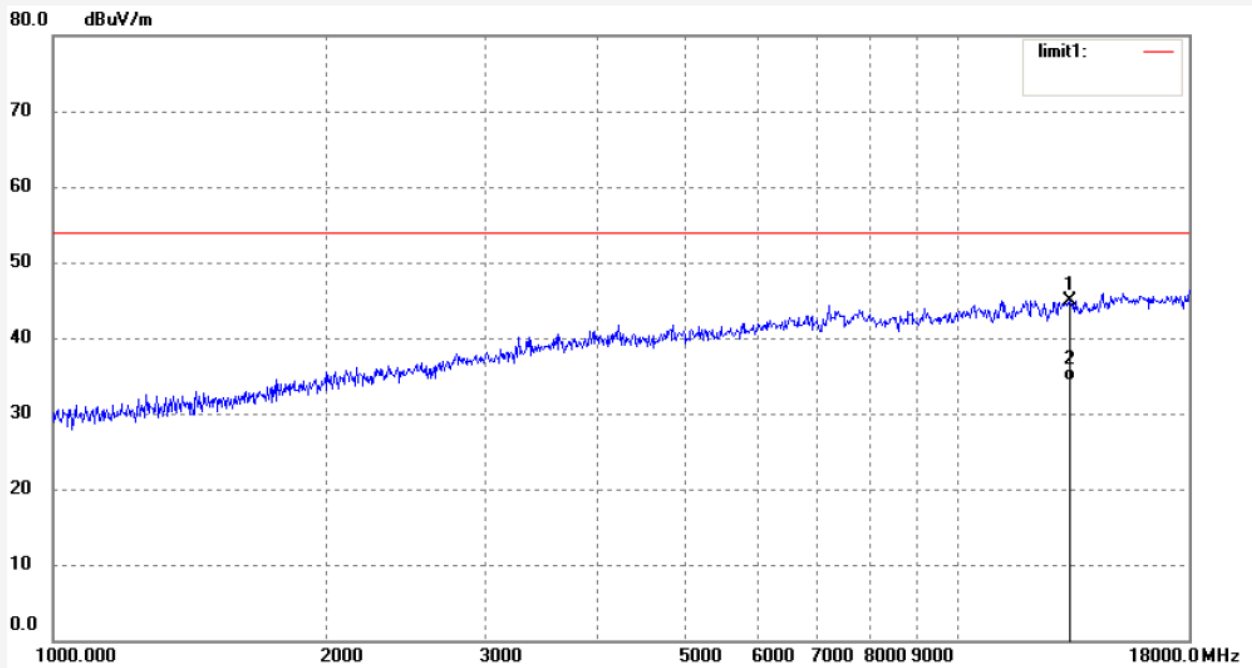
Note: Report No.:ATE20151334



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	13173.558	37.07	8.28	45.35	74.00	-28.65	peak			
2	13173.558	27.66	8.28	35.94	54.00	-18.06	peak			

Job No.: STAR #2293	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/06/23/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/52/34
EUT: Indoor Air Quality Sensor	Engineer Signature: STAR
Mode: TX Channel 11(802.11g)	Distance: 3m
Model: AAware	
Manufacturer: Mixwell	

Note: Report No.:ATE20151334



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	13288.284	36.41	8.56	44.97	74.00	-29.03	peak			
2	13288.284	25.66	8.56	34.22	54.00	-19.78	peak			



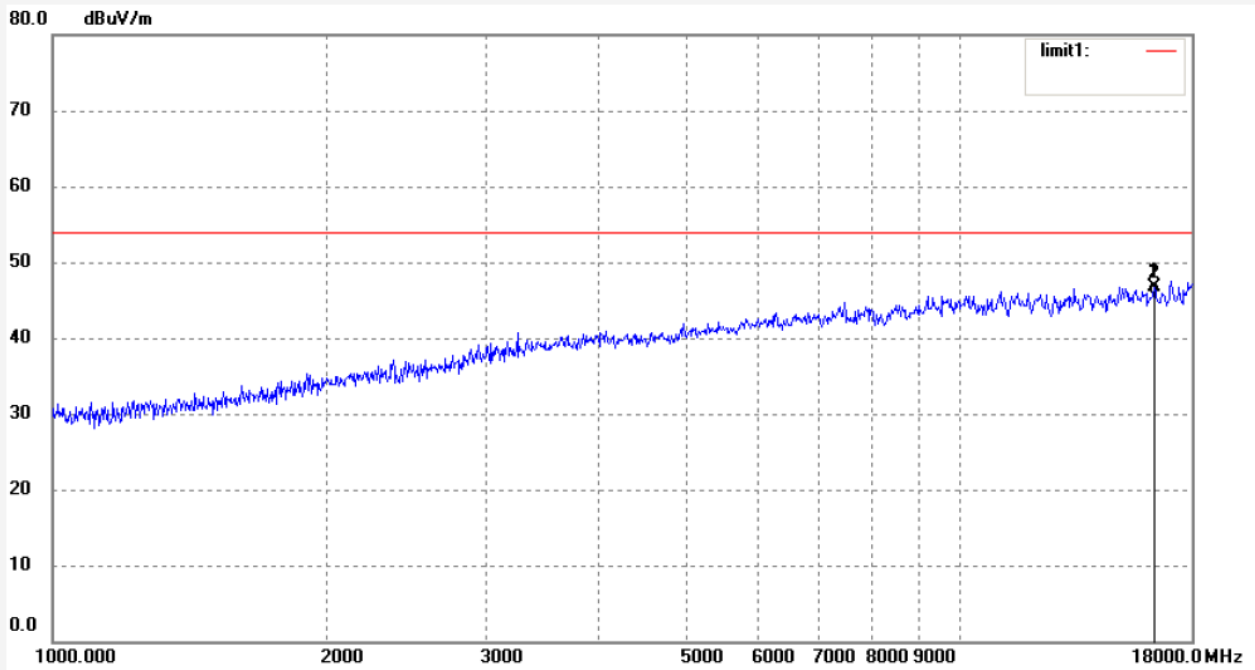
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Job No.: STAR #2294	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/06/23/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/56/19
EUT: Indoor Air Quality Sensor	Engineer Signature: STAR
Mode: TX Channel 11(802.11g)	Distance: 3m
Model: AAware	
Manufacturer: Mixwell	

Note: Report No.:ATE20151334



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	16362.457	34.79	12.01	46.80	74.00	-27.20	peak			
2	16362.457	33.67	12.01	45.68	54.00	-8.32	peak			

Job No.: STAR #2296

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Indoor Air Quality Sensor

Mode: TX Channel 1(802.11n20)

Model: AAware

Manufacturer: Mixwell

Polarization: Horizontal

Power Source: AC 120V/60Hz

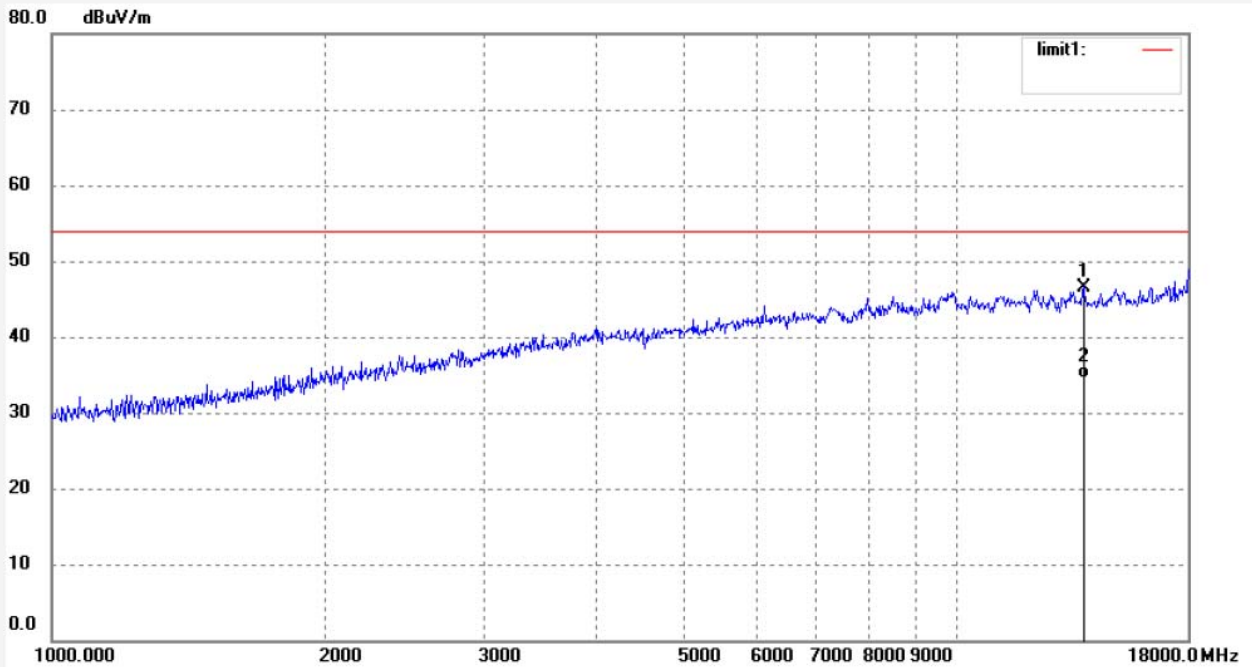
Date: 15/06/23/

Time: 10/04/48

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20151334



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	13797.088	36.73	9.87	46.60	74.00	-27.40	peak			
2	13797.088	24.60	9.87	34.47	54.00	-19.53	peak			



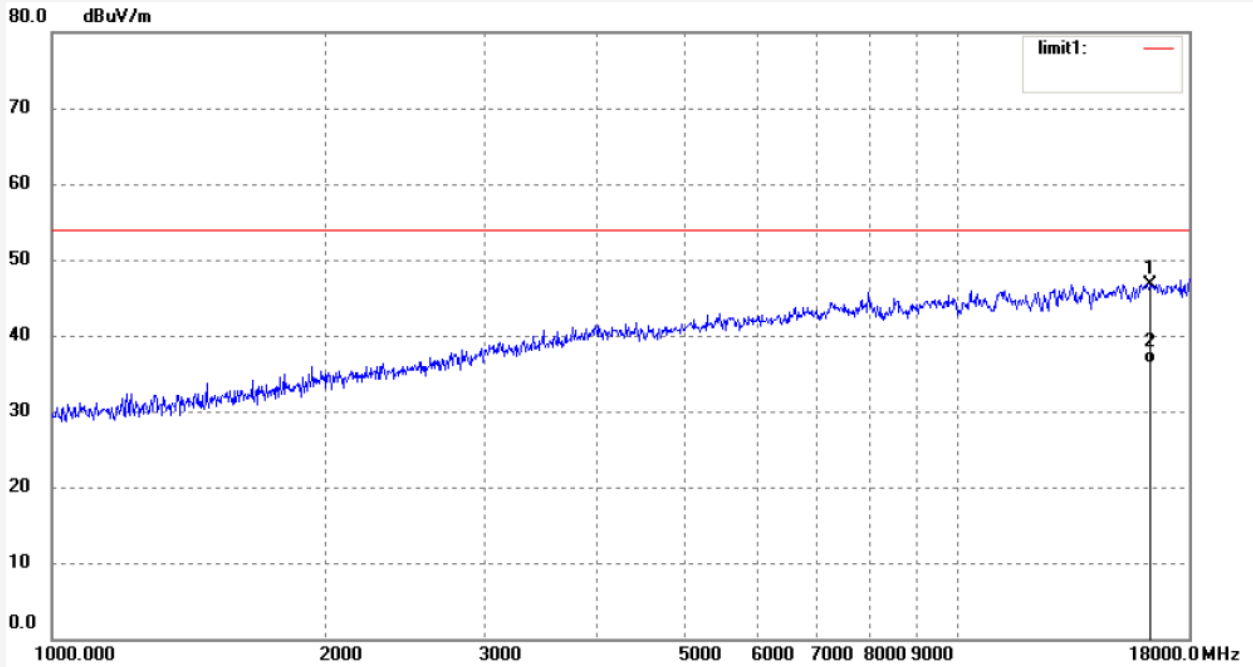
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Job No.: STAR #2295	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/06/23/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10/01/11
EUT: Indoor Air Quality Sensor	Engineer Signature: STAR
Mode: TX Channel 1(802.11n20)	Distance: 3m
Model: AAware	
Manufacturer: Mixwell	

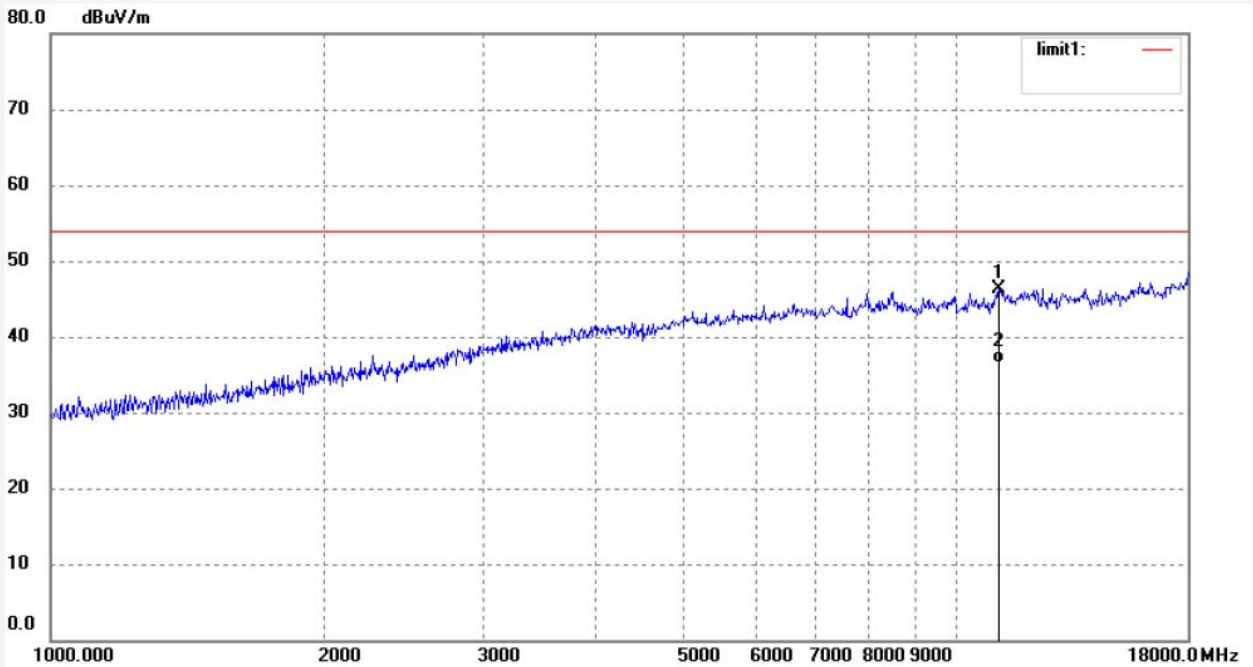
Note: Report No.:ATE20151334



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	16315.231	34.85	11.95	46.80	74.00	-27.20	peak			
2	16315.231	24.31	11.95	36.26	54.00	-17.74	peak			

Job No.: STAR #2297	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/06/23/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10/08/47
EUT: Indoor Air Quality Sensor	Engineer Signature: STAR
Mode: TX Channel 6(802.11n20)	Distance: 3m
Model: AAware	
Manufacturer: Mixwell	

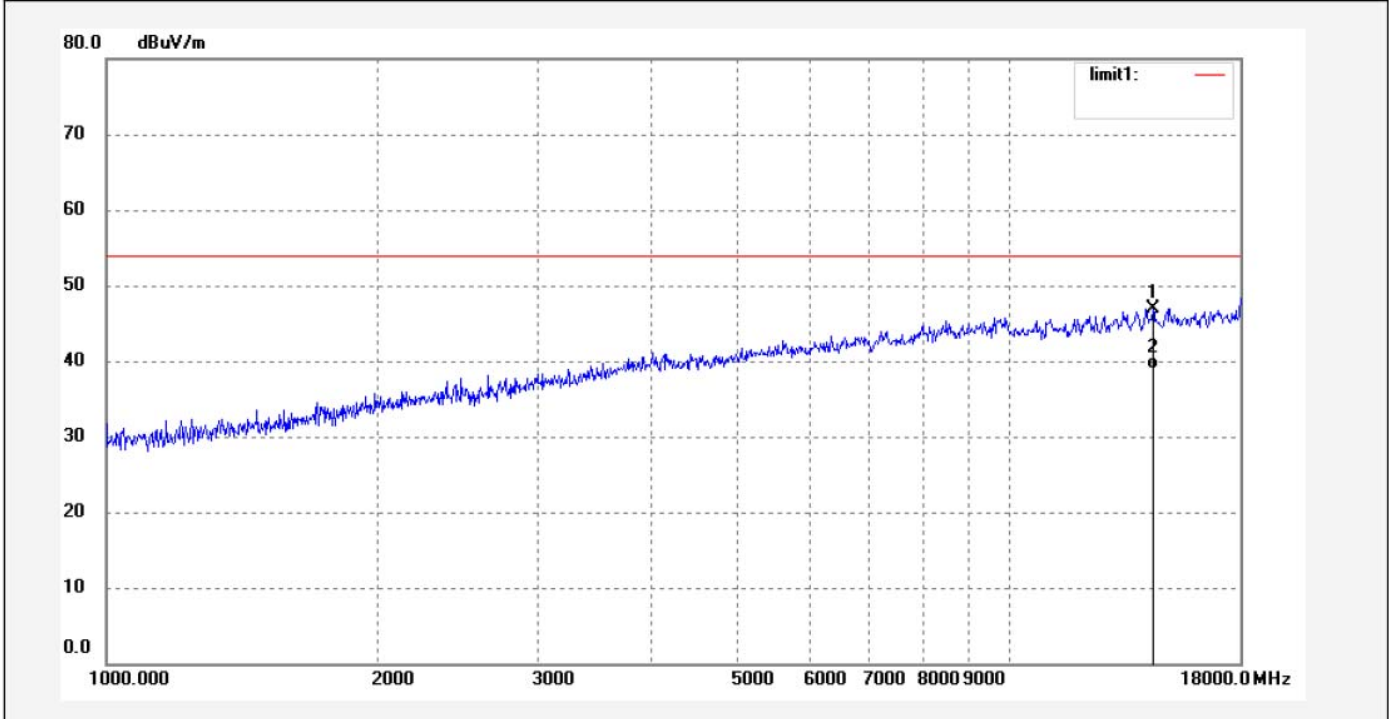
Note: Report No.:ATE20151334



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	11140.310	40.74	5.65	46.39	74.00	-27.61	peak			
2	11140.310	30.77	5.65	36.42	54.00	-17.58	peak			

Job No.: STAR #2298	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/06/23/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10/12/36
EUT: Indoor Air Quality Sensor	Engineer Signature: STAR
Mode: TX Channel 6(802.11n20)	Distance: 3m
Model: AAware	
Manufacturer: Mixwell	

Note: Report No.:ATE20151334



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	14408.425	34.46	12.53	46.99	74.00	-27.01	peak			
2	14408.425	26.30	12.53	38.83	54.00	-15.17	peak			



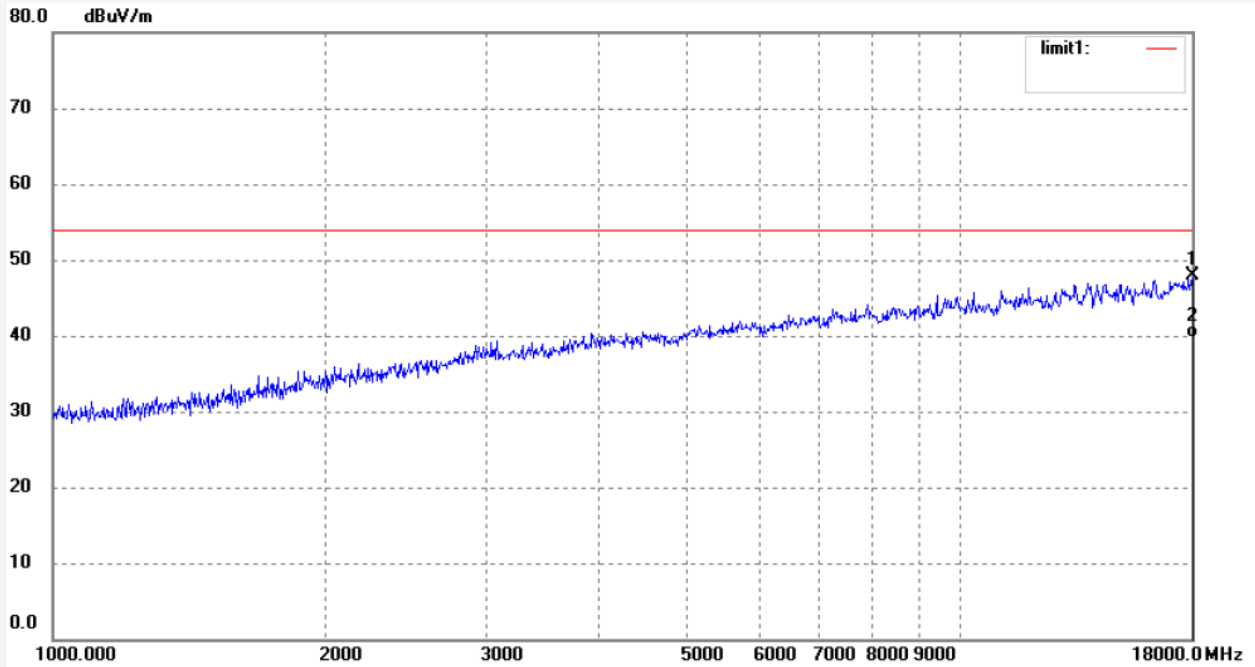
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Job No.: STAR #2300	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/06/23/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10/17/02
EUT: Indoor Air Quality Sensor	Engineer Signature: STAR
Mode: TX Channel 11(802.11n20)	Distance: 3m
Model: AAware	
Manufacturer: Mixwell	

Note: Report No.:ATE20151334



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	18000.000	29.11	18.80	47.91	74.00	-26.09	peak			
2	18000.000	20.90	18.80	39.70	54.00	-14.30	peak			



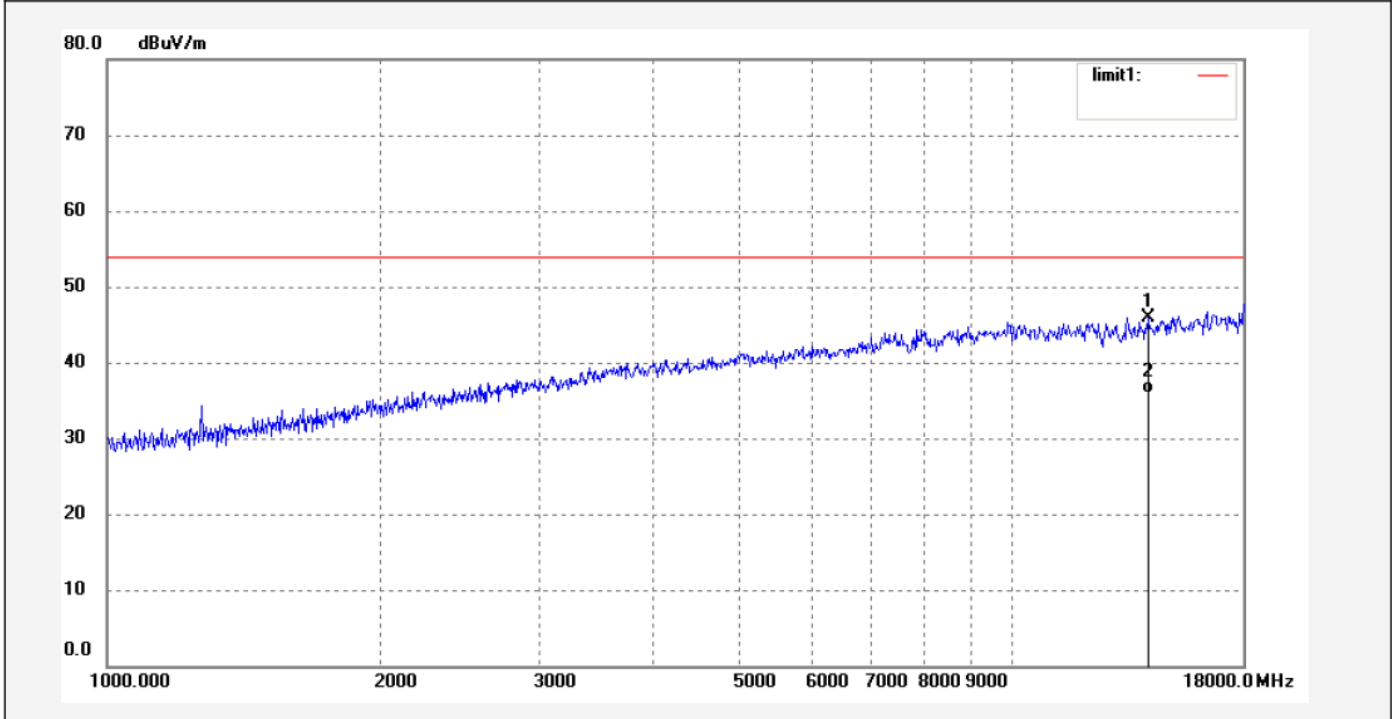
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Job No.: STAR #2299	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/06/23/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10/14/15
EUT: Indoor Air Quality Sensor	Engineer Signature: STAR
Mode: TX Channel 11(802.11n20)	Distance: 3m
Model: AAware	
Manufacturer: Mixwell	

Note: Report No.:ATE20151334



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	14119.835	34.82	11.02	45.84	74.00	-28.16	peak			
2	14119.835	24.97	11.02	35.99	54.00	-18.01	peak			



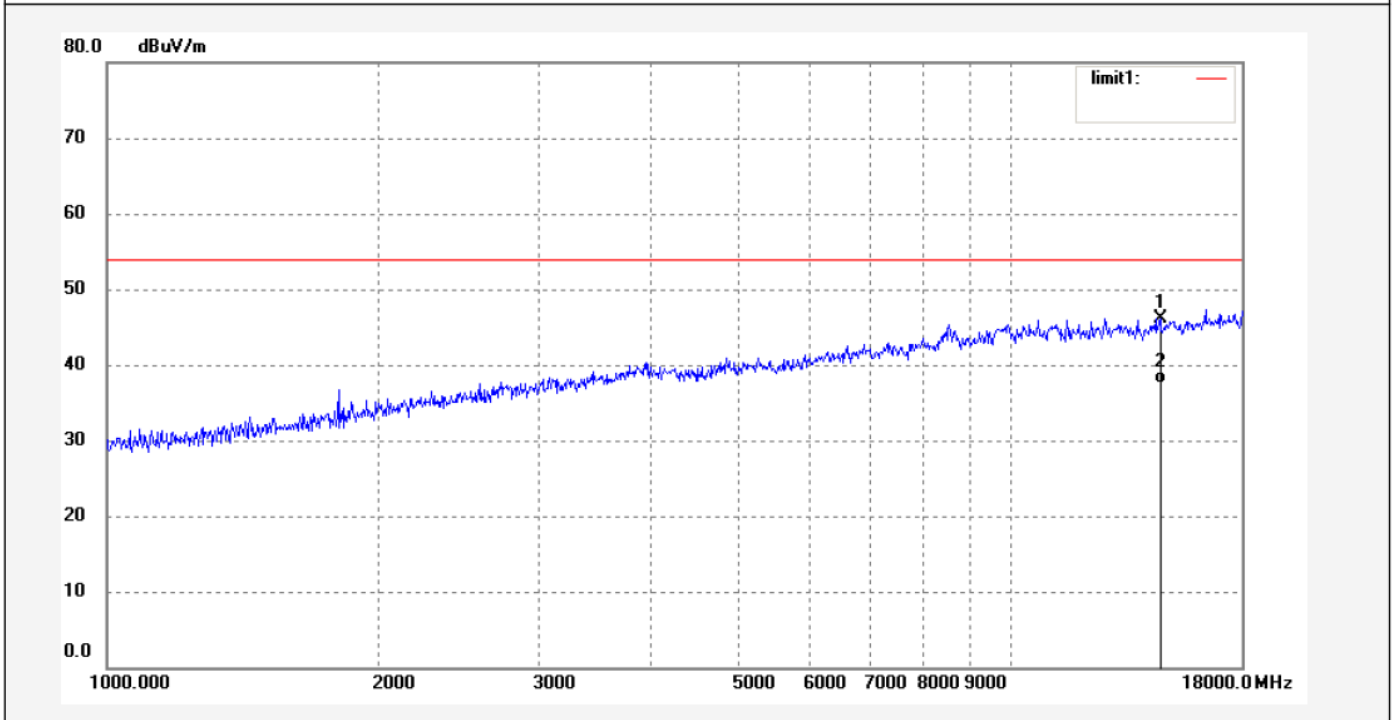
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Job No.: STAR #2301	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/06/23/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10/22/54
EUT: Indoor Air Quality Sensor	Engineer Signature: STAR
Mode: TX Channel 3(802.11n)40MHz	Distance: 3m
Model: AAware	
Manufacturer: Mixwell	

Note: Report No.:ATE20151334



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	14618.166	33.40	12.74	46.14	74.00	-27.86	peak			
2	14618.166	24.67	12.74	37.41	54.00	-16.59	peak			



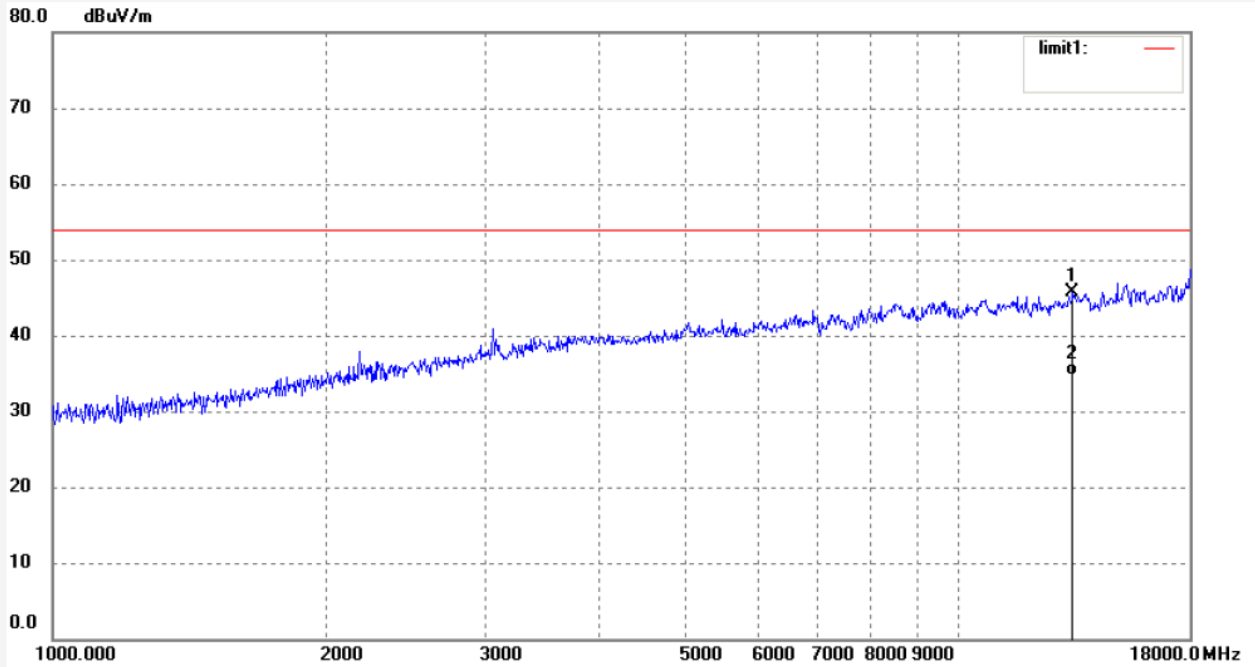
ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: STAR #2302	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/06/23/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10/25/41
EUT: Indoor Air Quality Sensor	Engineer Signature: STAR
Mode: TX Channel 3(802.11n)40MHz	Distance: 3m
Model: AAware	
Manufacturer: Mixwell	

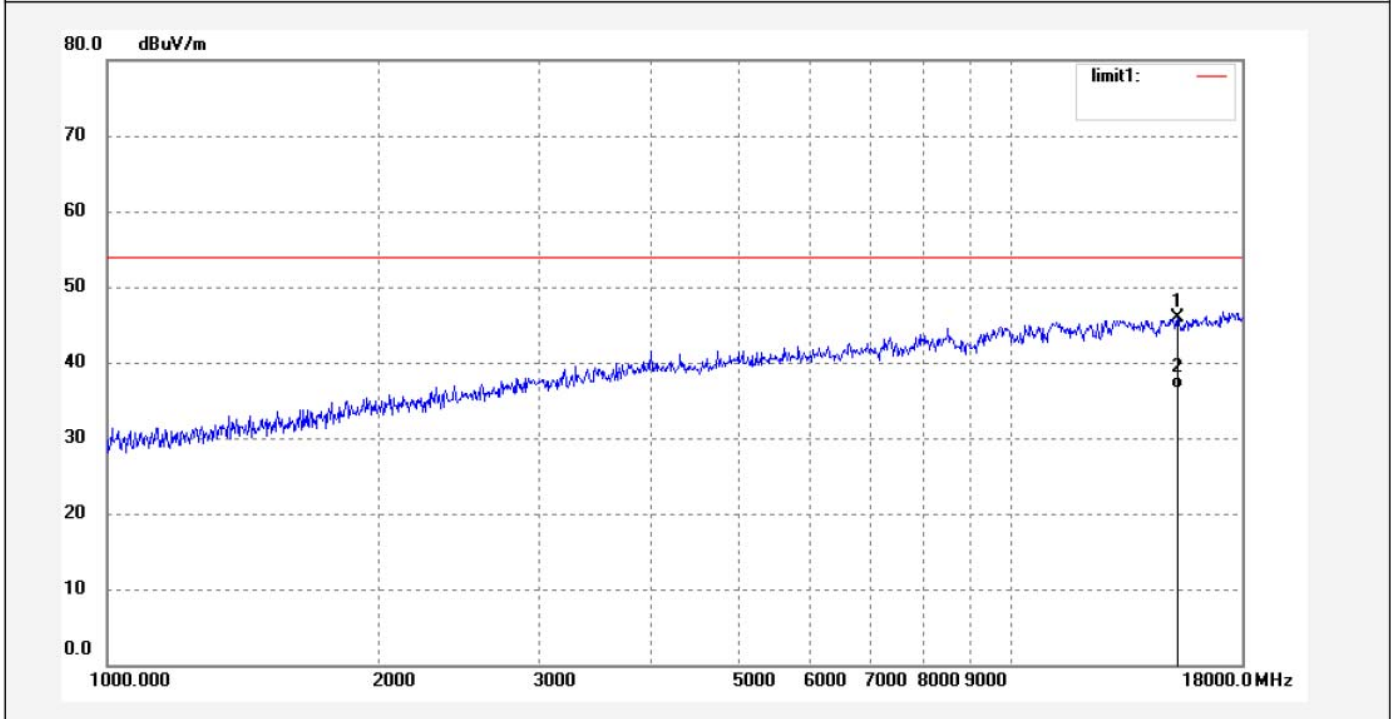
Note: Report No.:ATE20151334



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	13365.322	36.94	8.74	45.68	74.00	-28.32	peak			
2	13365.322	25.90	8.74	34.64	54.00	-19.36	peak			

Job No.: STAR #2304	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/06/23/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10/32/13
EUT: Indoor Air Quality Sensor	Engineer Signature: STAR
Mode: TX Channel 6(802.11n)40MHz	Distance: 3m
Model: AAware	
Manufacturer: Mixwell	

Note: Report No.:ATE20151334



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	15265.885	34.38	11.54	45.92	74.00	-28.08	peak			
2	15265.885	25.00	11.54	36.54	54.00	-17.46	peak			



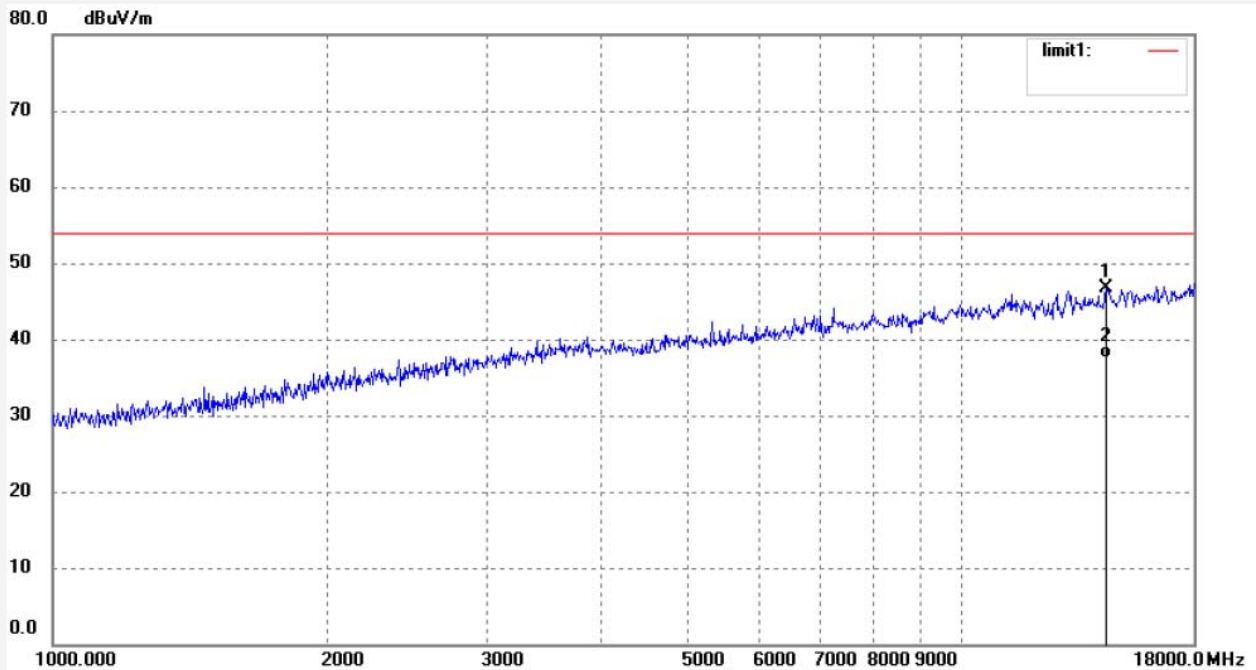
ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: STAR #2303	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/06/23/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10/28/23
EUT: Indoor Air Quality Sensor	Engineer Signature: STAR
Mode: TX Channel 6(802.11n)40MHz	Distance: 3m
Model: AAware	
Manufacturer: Mixwell	

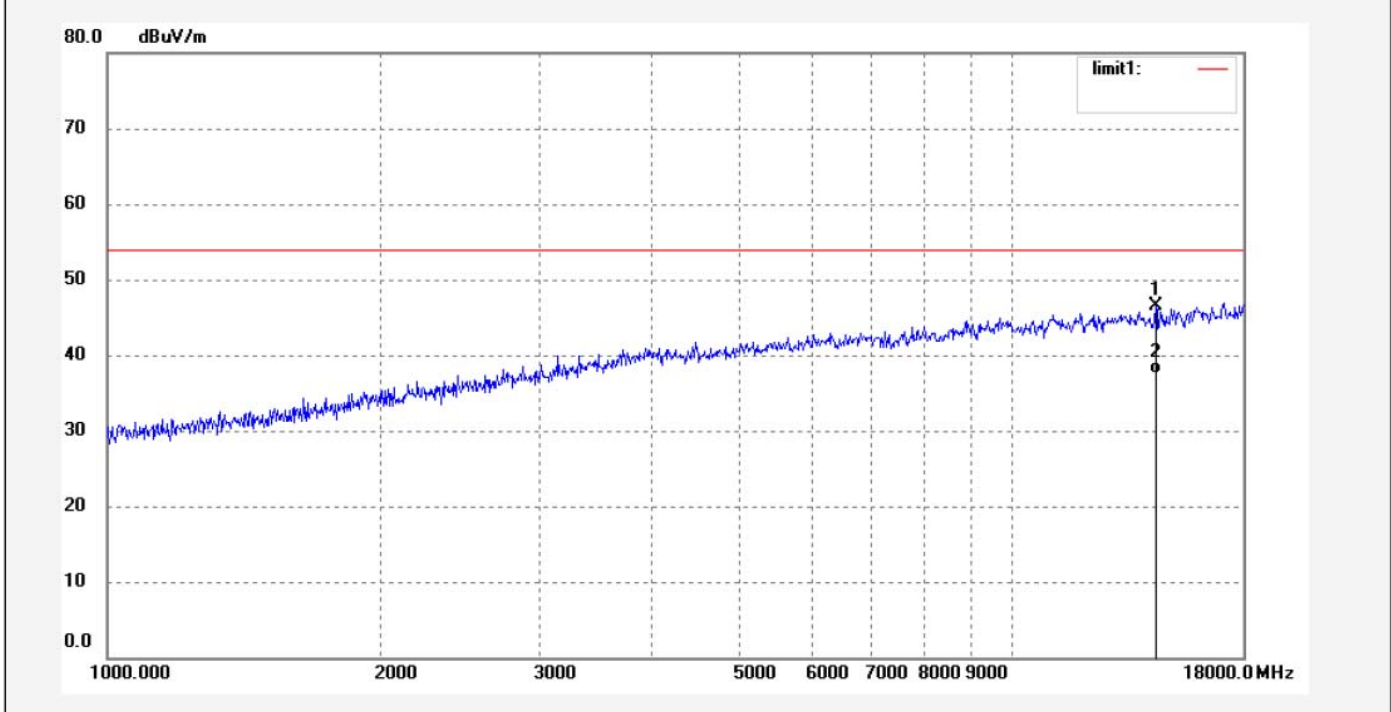
Note: Report No.:ATE20151334



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	14408.425	34.25	12.53	46.78	74.00	-27.22	peak			
2	14408.425	24.97	12.53	37.50	54.00	-16.50	peak			

Job No.: STAR #2305	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/06/23/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10/35/20
EUT: Indoor Air Quality Sensor	Engineer Signature: STAR
Mode: TX Channel 9(802.11n)40MHz	Distance: 3m
Model: AAware	
Manufacturer: Mixwell	

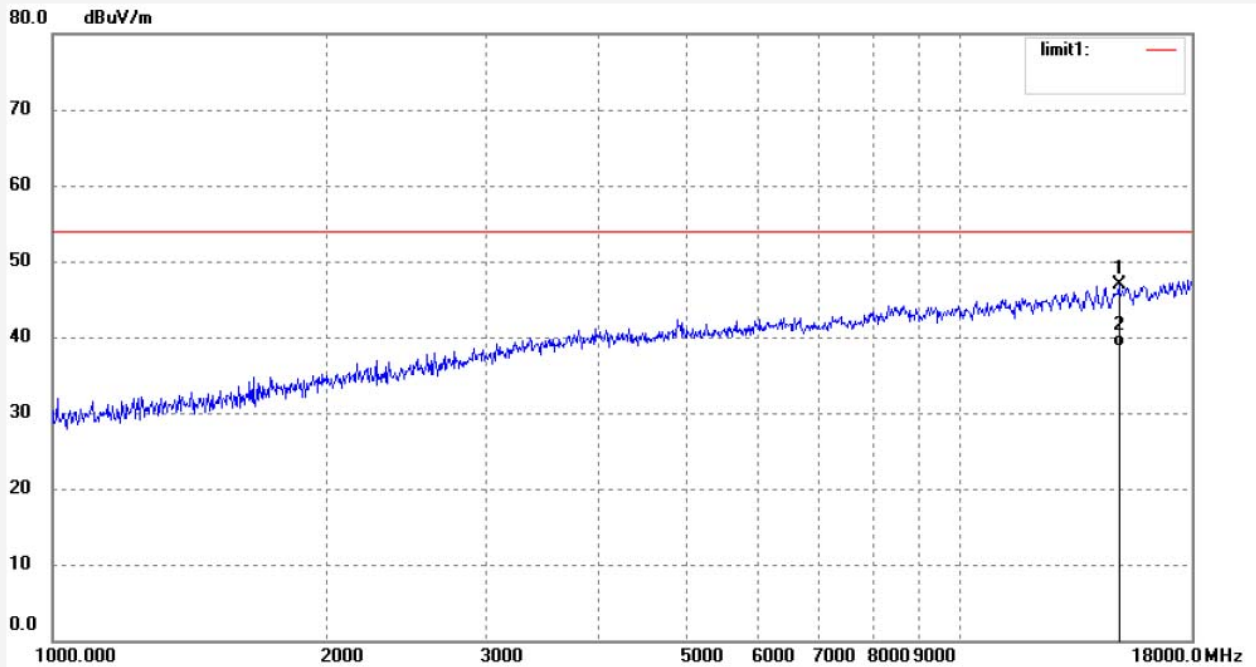
Note: Report No.:ATE20151334



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	14408.425	33.94	12.53	46.47	74.00	-27.53	peak			
2	14408.425	24.90	12.53	37.43	54.00	-16.57	peak			

Job No.: STAR #2306	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/06/23/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 10/39/11
EUT: Indoor Air Quality Sensor	Engineer Signature: STAR
Mode: TX Channel 9(802.11n)40MHz	Distance: 3m
Model: AAware	
Manufacturer: Mixwell	

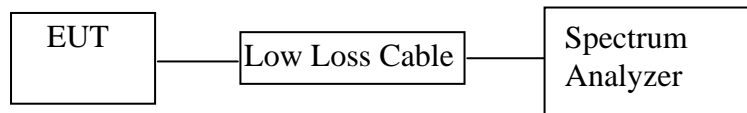
Note: Report No.:ATE20151334



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	14960.120	34.89	11.98	46.87	74.00	-27.13	peak			
2	14960.120	26.67	11.98	38.65	54.00	-15.35	peak			

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 and 2422-2452MHz. We select 2412MHz, 2437MHz, 2462MHz and 2422MHz, 2437MHz, 2452MHz 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.

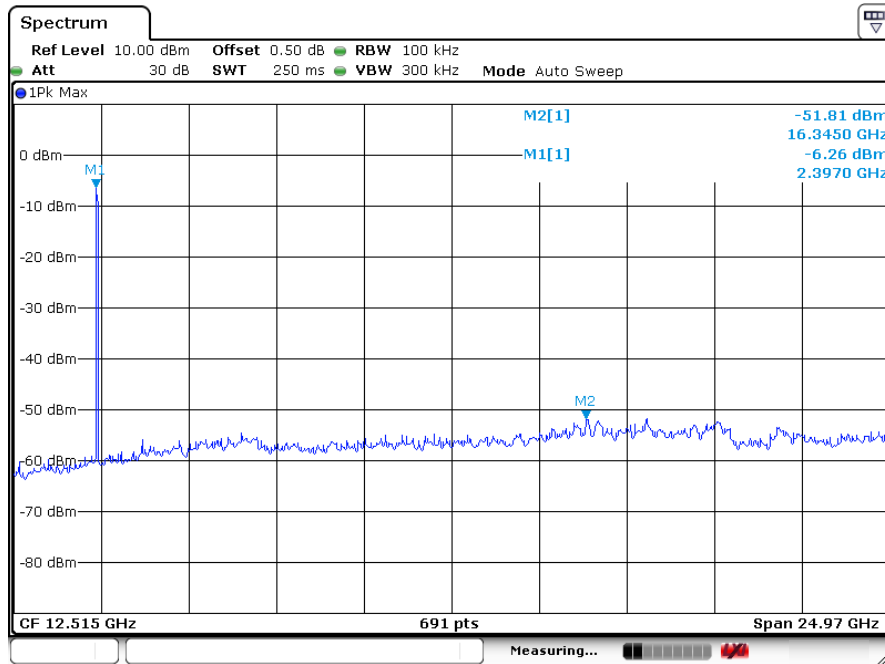
11.5.3. The Conducted Spurious Emission was measured and recorded.

11.6. Test Result

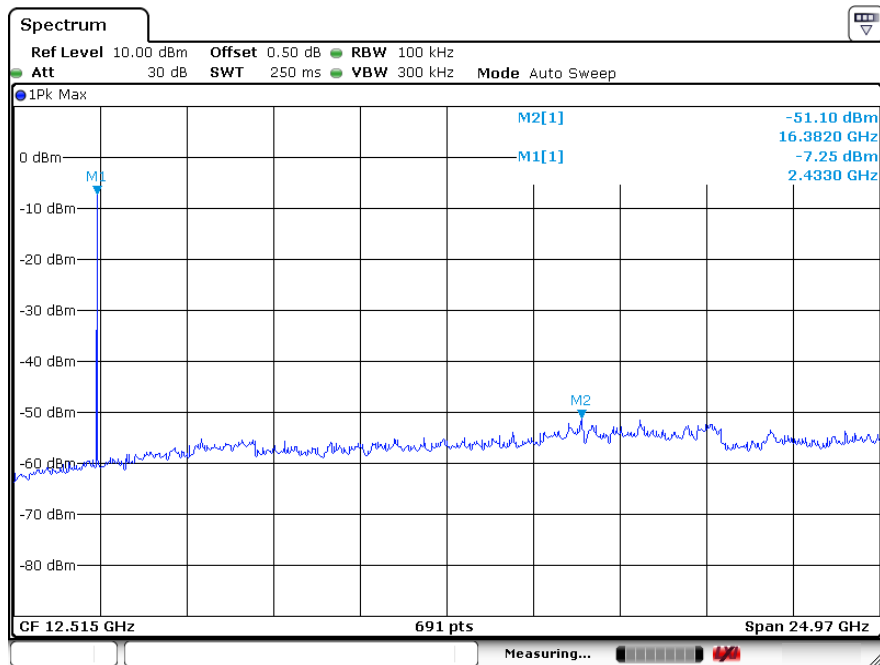
Pass.

The spectrum analyzer plots are attached as below.

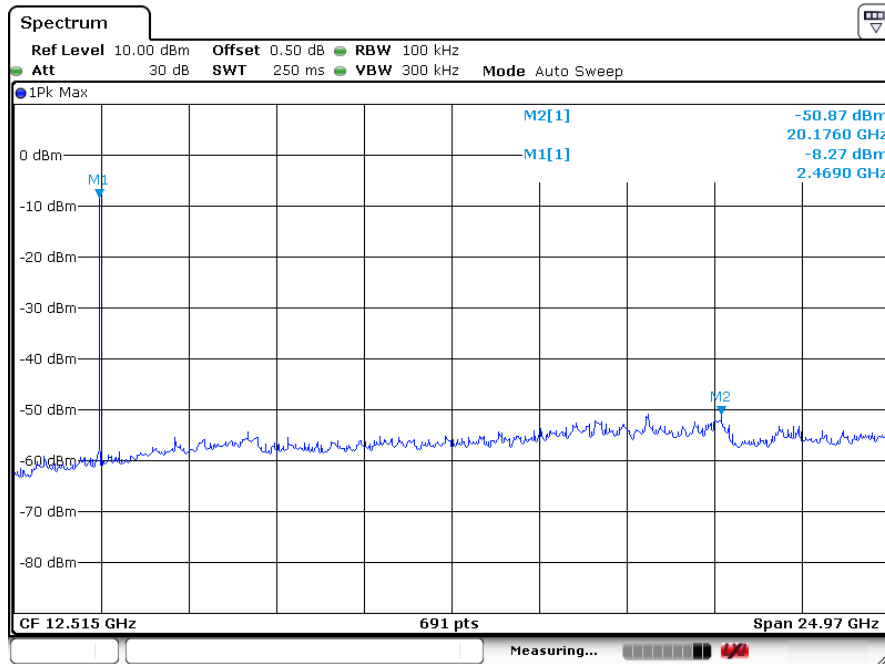
TX 802.11b Channel Low 2412MHz



TX 802.11b Channel Middle 2437MHz

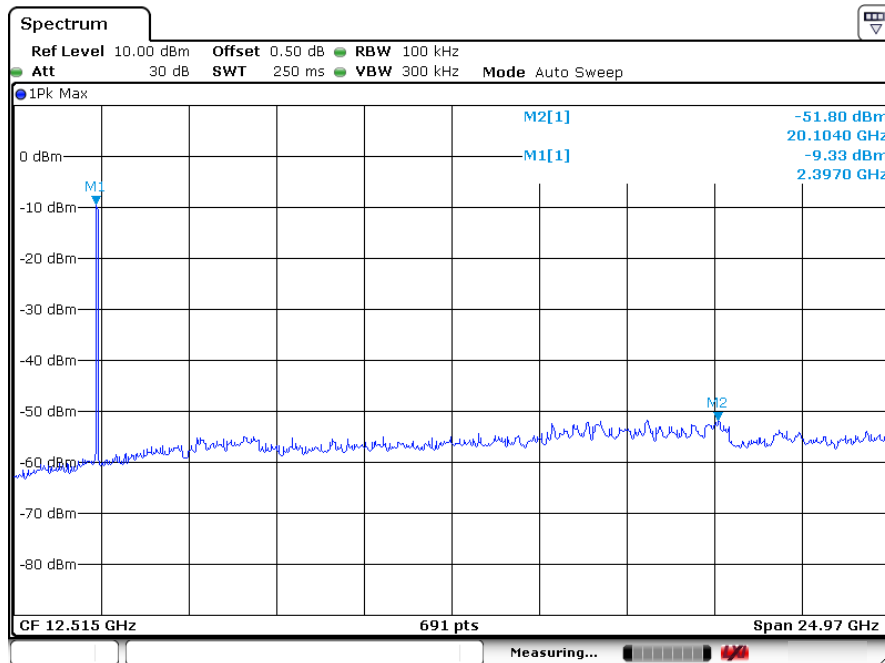


TX 802.11b Channel High 2462MHz



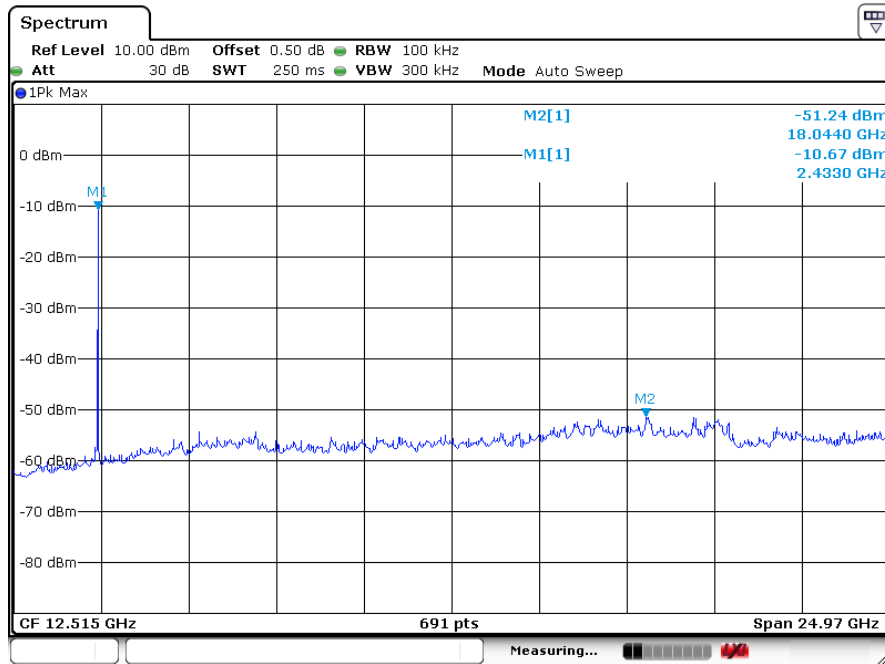
Date: 26.Jun.2015 10:49:12

TX 802.11g Channel Low 2412MHz



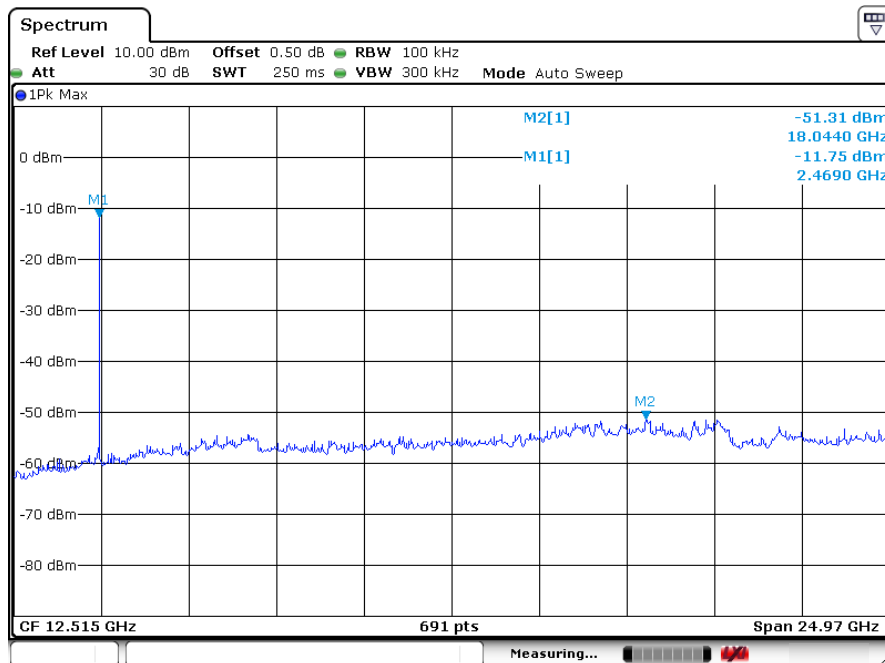
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TX 802.11g Channel Middle 2437MHz



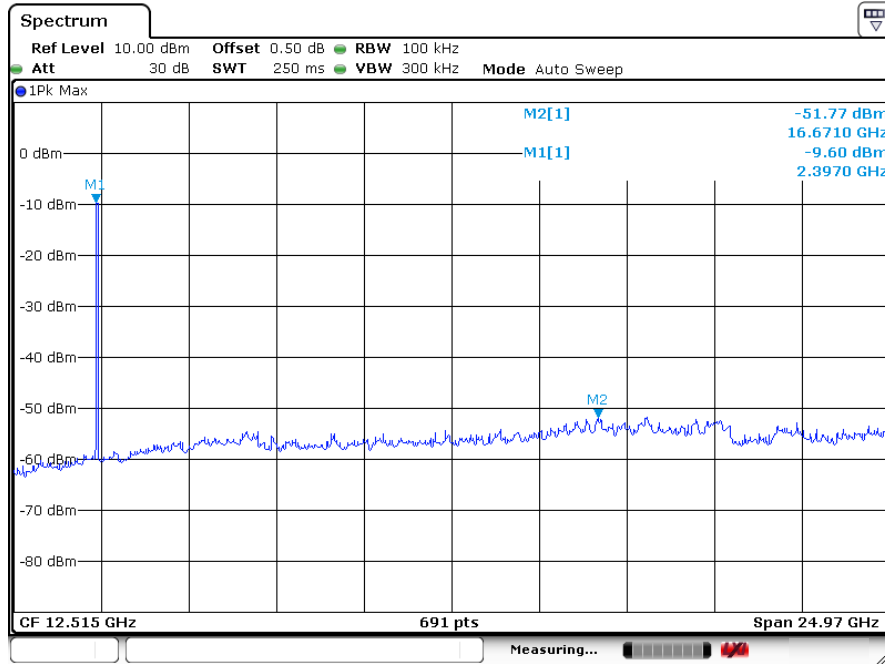
Date: 26.Jun.2015 10:53:11

TX 802.11g Channel High 2462MHz



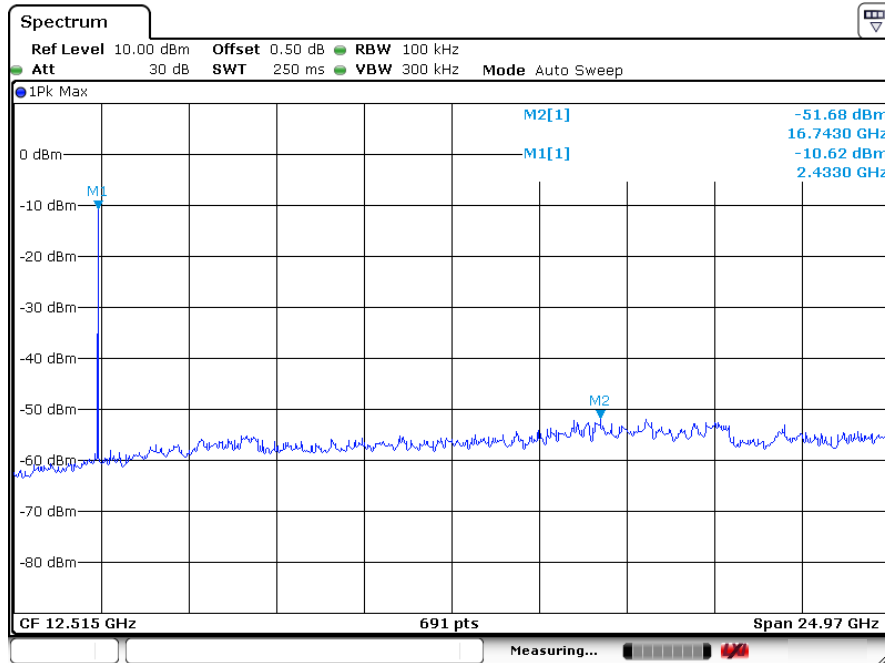
Date: 26.Jun.2015 10:52:12

TX 802.11n Channel Low 2412MHz (20MHz)



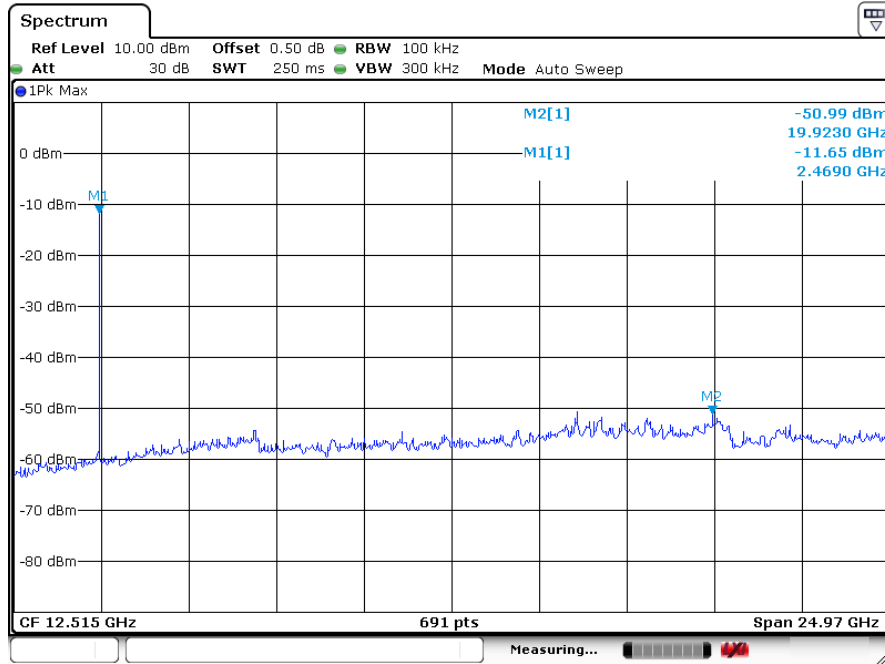
Date: 26.Jun.2015 10:56:43

TX 802.11n Channel Middle 2437MHz (20MHz)



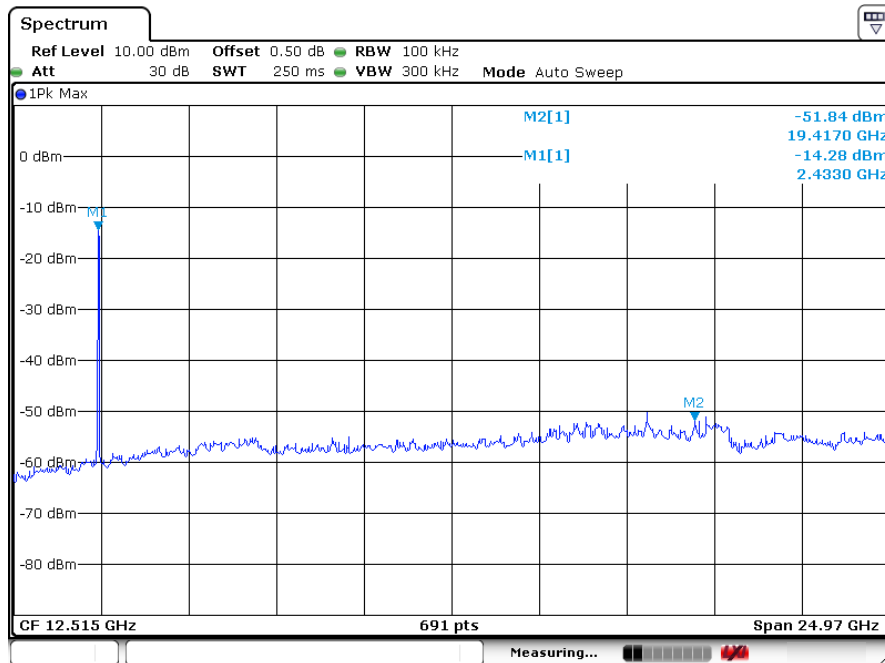
Date: 26.Jun.2015 10:57:29

TX 802.11n Channel High 2462MHz (20MHz)



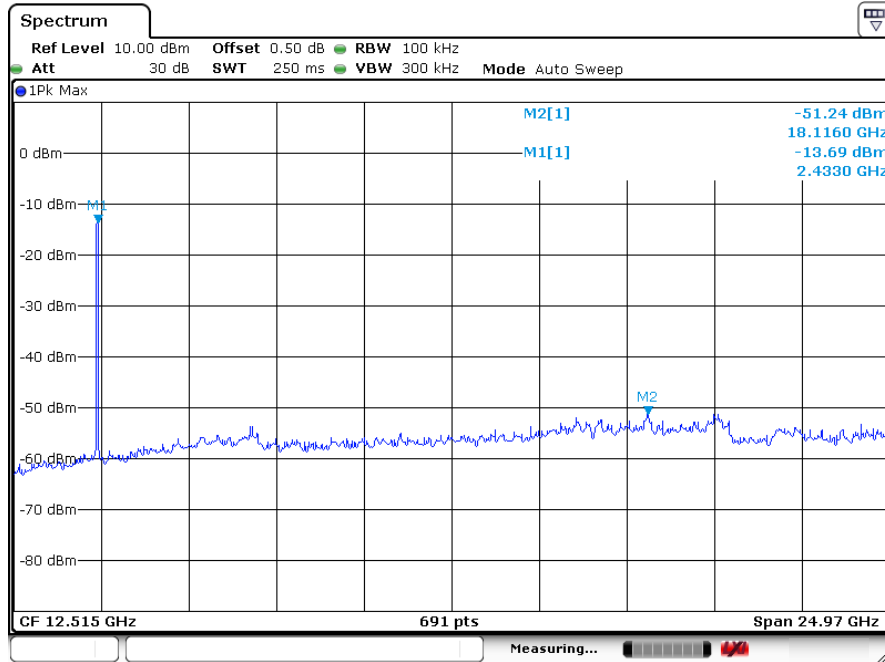
Date: 26.Jun.2015 10:59:15

TX 802.11n Channel Low 2422MHz (40MHz)



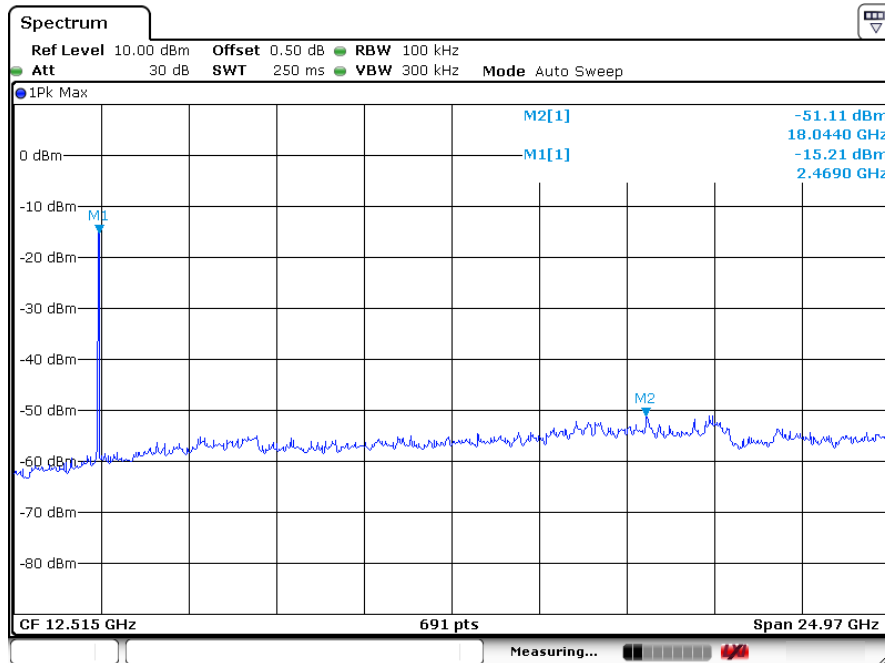
Date: 26.Jun.2015 11:02:38

TX 802.11n Channel Middle 2437MHz (40MHz)



Date: 26 Jun. 2015 11:00:27

TX 802.11n Channel High 2452MHz (40MHz)



Date: 26 Jun. 2015 11:03:35

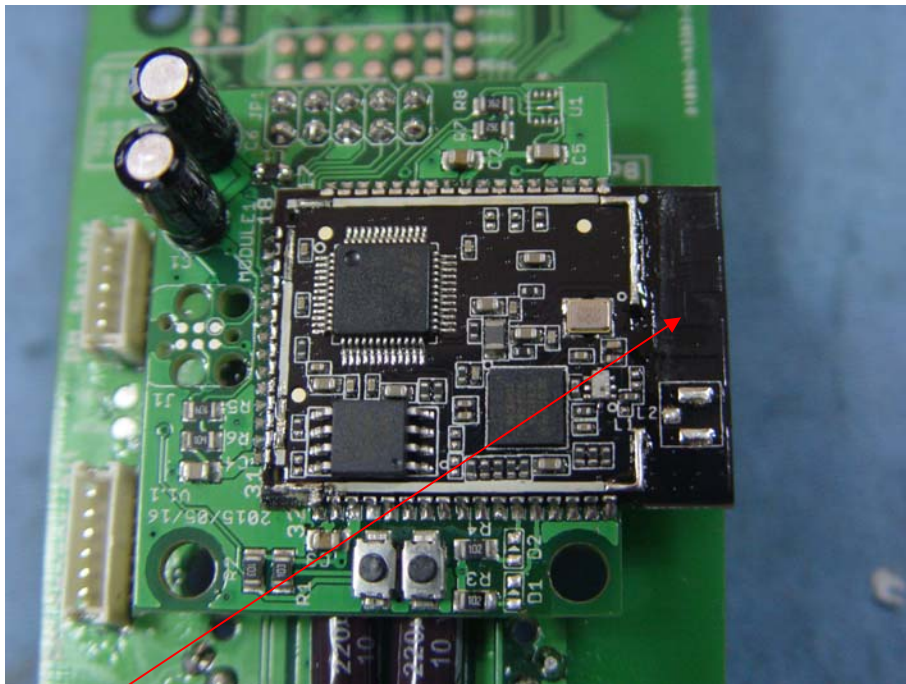
12. ANTENNA REQUIREMENT

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 2.0dBi. Therefore, the equipment complies with the antenna requirement of Section 15.203.



Antenna