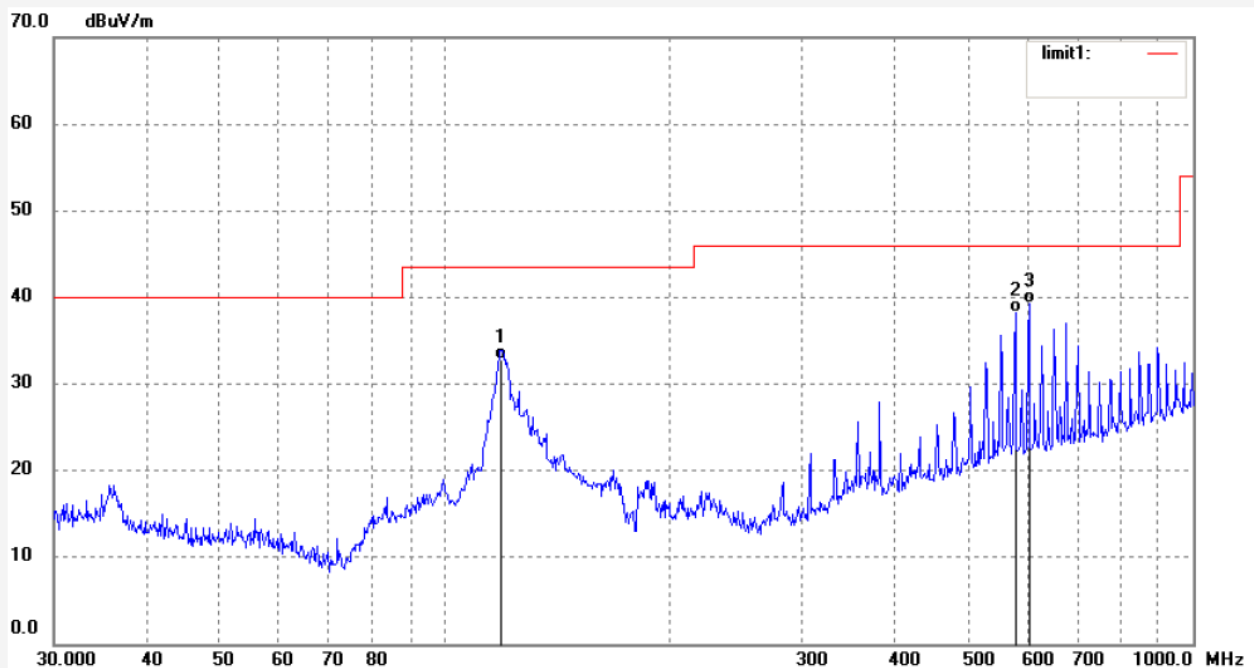


Job No.: star2015 #308	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 2015/06/22
Temp.(C)/Hum.(%) 23 C / 48 %	Time: 16:07:24
EUT: Indoor Air Quality Sensor	Engineer Signature: Star
Mode: TX Channel 11(802.11b)	Distance: 3m
Model: FBT0002100	
Manufacturer: Mixwell	

Note: Report No.:ATE20151328

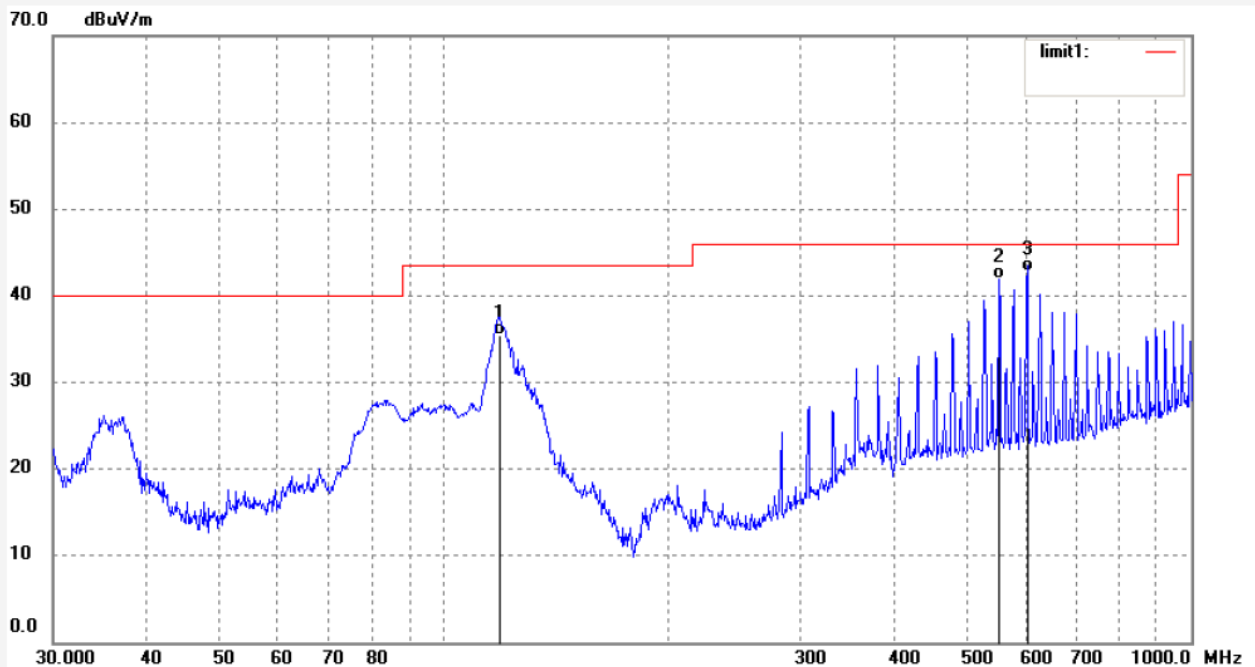


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	119.0180	46.90	-14.15	32.75	43.50	-10.75	QP			
2	578.6698	42.32	-4.13	38.19	46.00	-7.81	QP			
3	603.5392	43.13	-3.92	39.21	46.00	-6.79	QP			

Job No.: star2015 #307
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Indoor Air Quality Sensor
Mode: TX Channel 11(802.11b)
Model: FBT0002100
Manufacturer: Mixwell

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 2015/06/22
Time: 16:06:38
Engineer Signature: Star
Distance: 3m

Note: Report No.:ATE20151328



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	119.0180	49.66	-14.15	35.51	43.50	-7.99	QP			
2	552.8832	46.52	-4.54	41.98	46.00	-4.02	QP			
3	603.5392	46.70	-3.92	42.78	46.00	-3.22	QP			

Above 1G



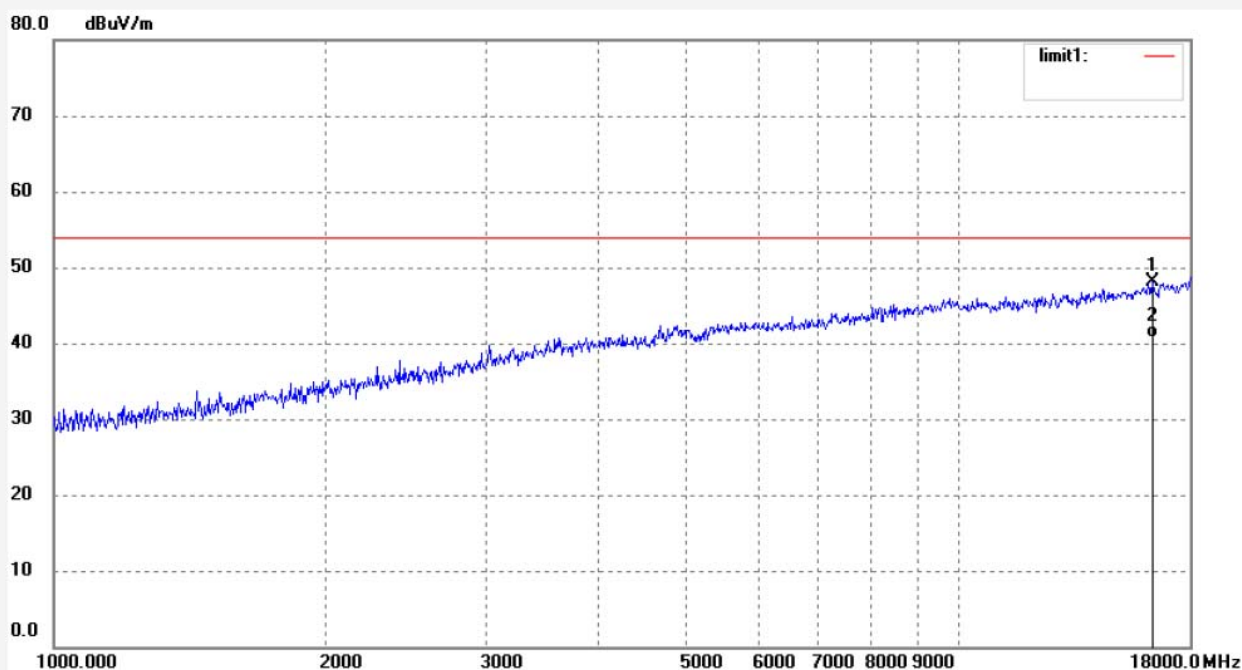
ACCURATE TECHNOLOGY CO., LTD.

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.: star2014 #586	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: 9/53/36
EUT: Indoor Air Quality Sensor	Engineer Signature: STAR
Mode: TX Channel 1(802.11b)	Distance: 3m
Model: FBT0002100	
Manufacturer: Mixwell	

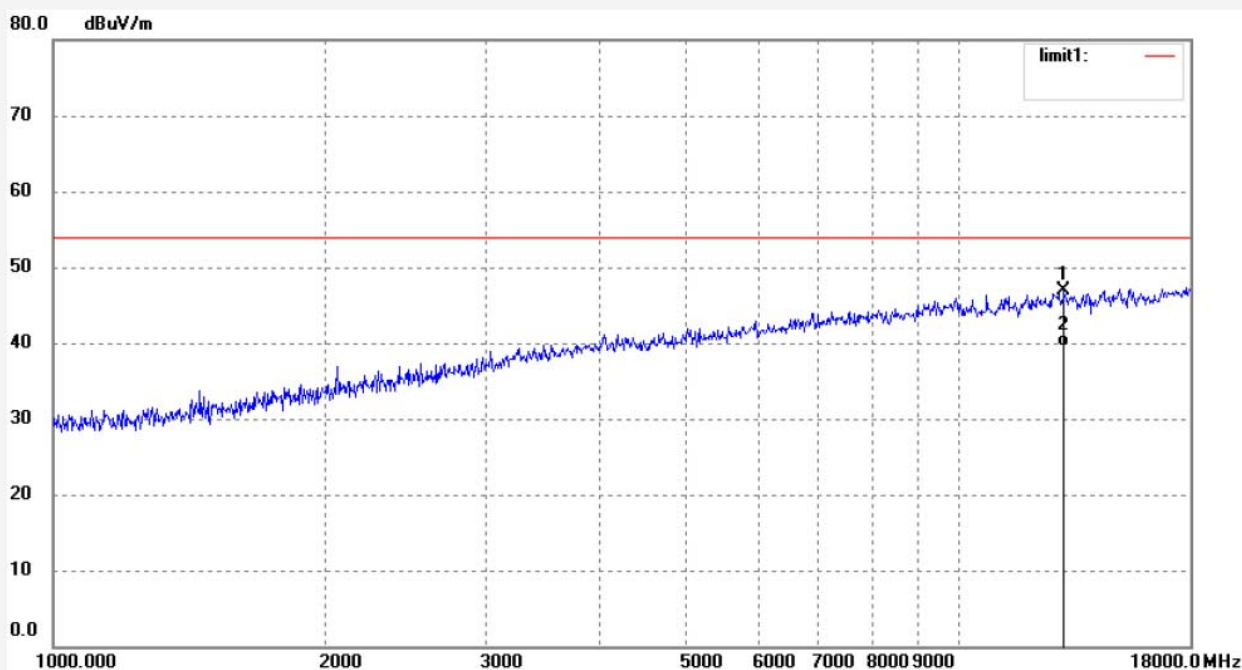
Note: Report No.:ATE20151328



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	36.10	12.01	48.11	74.00	-25.89	peak			
2	16362.457	28.63	12.01	40.64	54.00	-13.36	peak			

Job No.: star2014 #585	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: 9/50/52
EUT: Indoor Air Quality Sensor	Engineer Signature: STAR
Mode: TX Channel 1(802.11b)	Distance: 3m
Model: FBT0002100	
Manufacturer: Mixwell	

Note: Report No.:ATE20151328

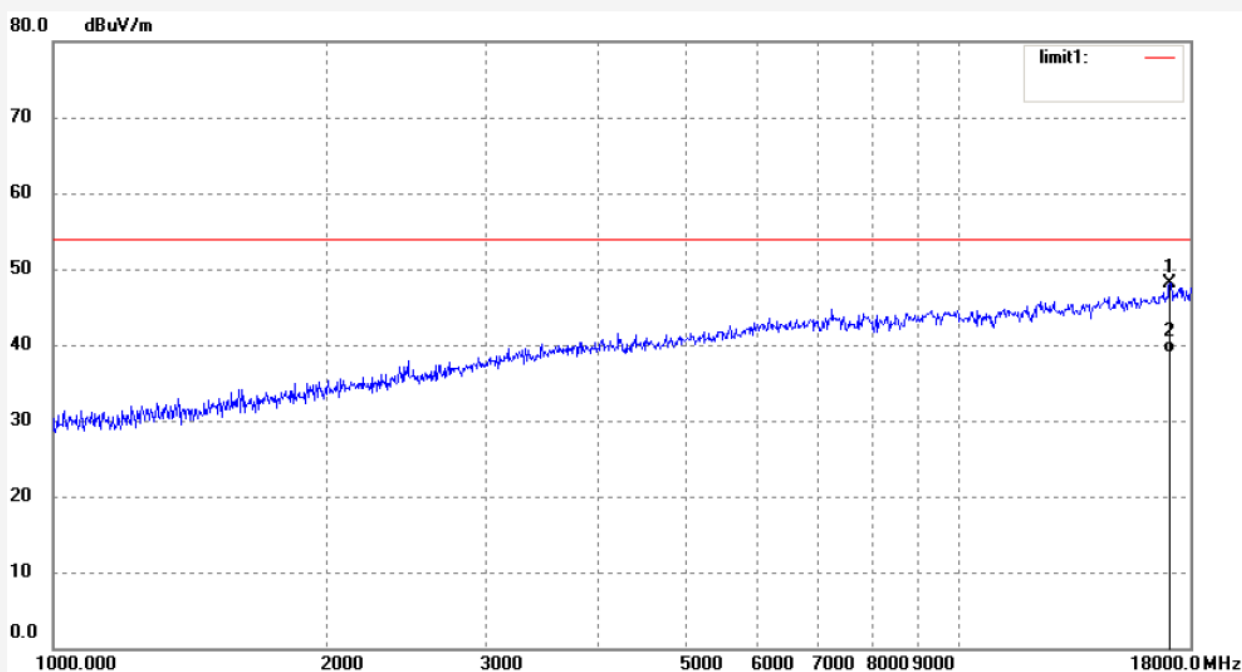


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	13059.822	38.98	8.02	47.00	74.00	-27.00	peak			
2	13059.822	31.47	8.02	39.49	54.00	-14.51	peak			

Job No.: star2014 #587
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 25 C / 55 %
 EUT: Indoor Air Quality Sensor
 Mode: TX Channel 6(802.11b)
 Model: FBT0002100
 Manufacturer: Mixwell

Polarization: Horizontal
 Power Source: AC 120V/60Hz
 Date: 15/06/23/
 Time: 9/57/56
 Engineer Signature: STAR
 Distance: 3m

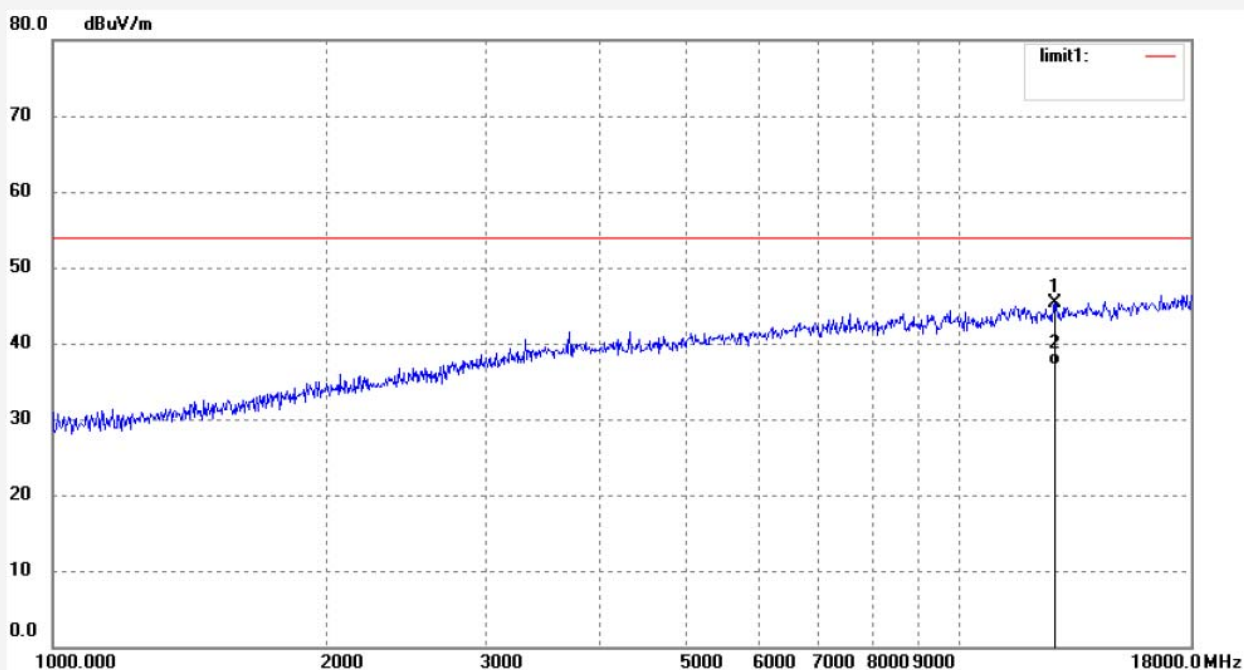
Note: Report No.:ATE20151328



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	17087.464	33.87	14.19	48.06	74.00	-25.94	peak			
2	17087.464	24.70	14.19	38.89	54.00	-15.11	peak			

Job No.: star2014 #588	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: 10/01/39
EUT: Indoor Air Quality Sensor	Engineer Signature: STAR
Mode: TX Channel 6(802.11b)	Distance: 3m
Model: FBT0002100	
Manufacturer: Mixwell	

Note: Report No.:ATE20151328



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	12724.473	37.77	7.49	45.26	74.00	-28.74	peak			
2	12724.473	29.68	7.49	37.17	54.00	-16.83	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.: star2014 #590

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Indoor Air Quality Sensor

Mode: TX Channel 11(802.11b)

Model: FBT0002100

Manufacturer: Mixwell

Polarization: Horizontal

Power Source: AC 120V/60Hz

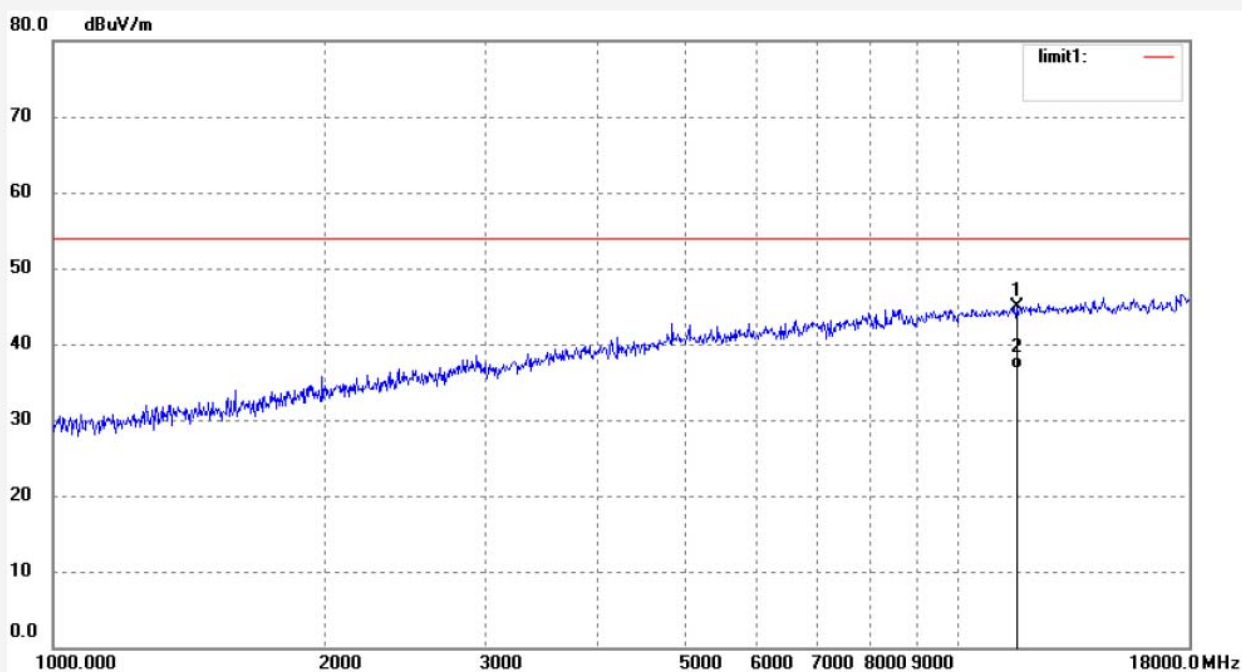
Date: 15/06/23/

Time: 10/07/56

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20151328

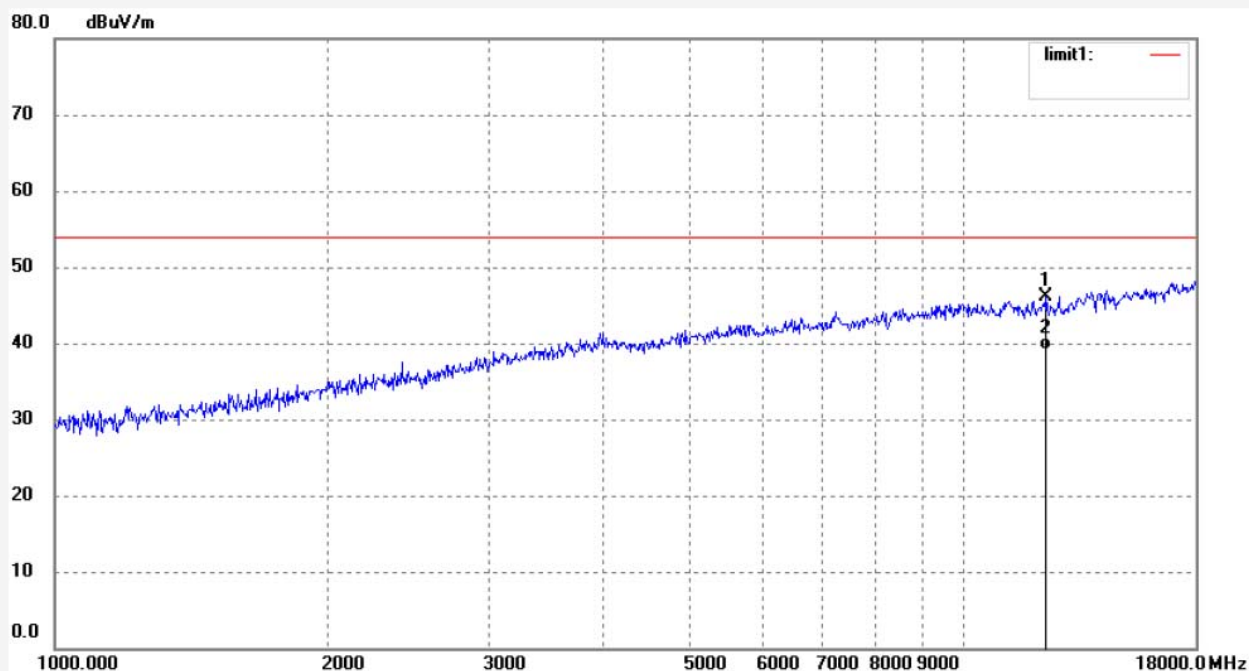


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	11600.350	38.77	6.14	44.91	74.00	-29.09	peak			
2	11600.350	30.55	6.14	36.69	54.00	-17.31	peak			

Job No.: star2014 #589
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Indoor Air Quality Sensor
Mode: TX Channel 11(802.11b)
Model: FBT0002100
Manufacturer: Mixwell

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 15/06/23/
Time: 10/04/22
Engineer Signature: STAR
Distance: 3m

Note: Report No.:ATE20151328

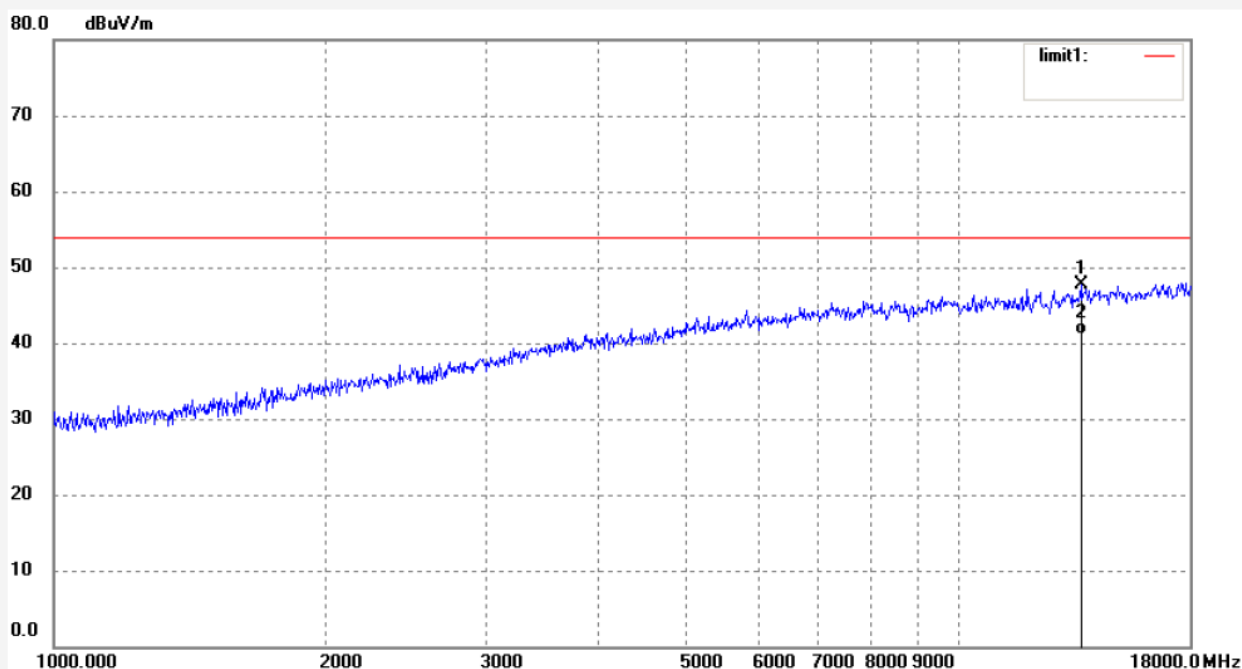


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	12326.274	39.21	6.93	46.14	74.00	-27.86	peak			
2	12326.274	32.19	6.93	39.12	54.00	-14.88	peak			

Job No.: star2014 #591
 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(802.11g)
 Model: FBT0002100
 Manufacturer: Mixwell

Polarization: Horizontal
 Power Source: AC 120V/60Hz
 Date: 15/06/23/
 Time: 10/11/47
 Engineer Signature: STAR
 Distance: 3m

Note: Report No.:ATE20151328

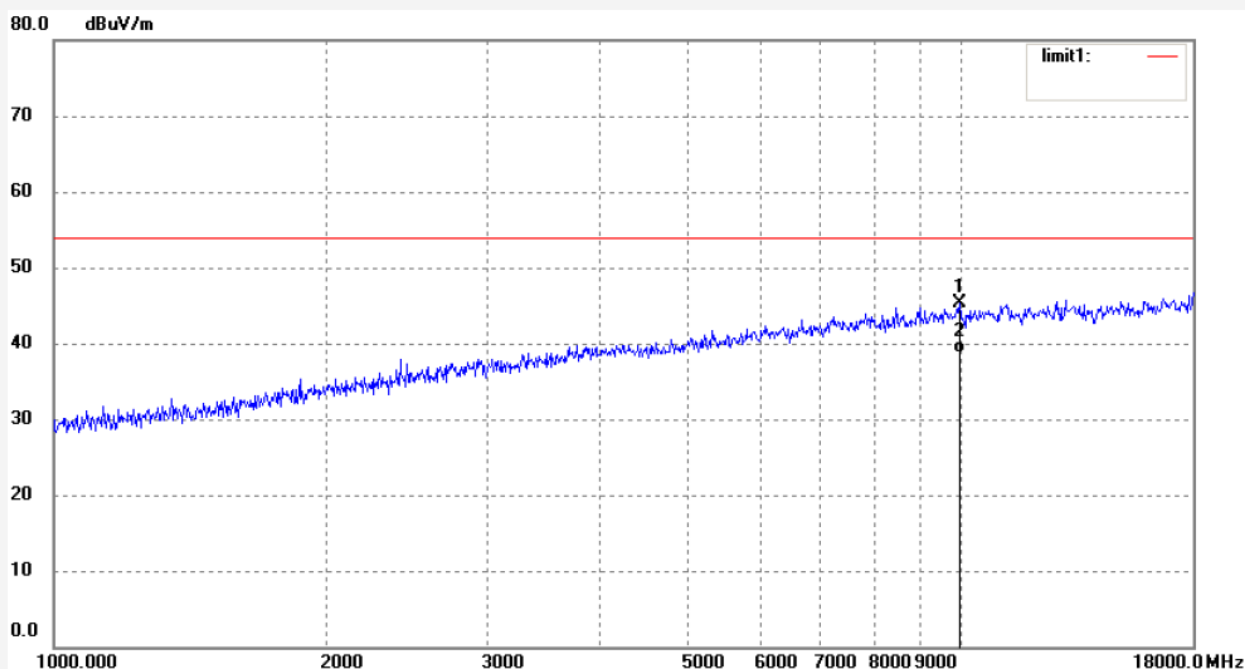


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	13638.492	38.23	9.43	47.66	74.00	-26.34	peak			
2	13638.492	31.67	9.43	41.10	54.00	-12.90	peak			

Job No.: star2014 #592
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(802.11g)
Model: FBT0002100
Manufacturer: Mixwell

Polarization: Vertical
Power Source: AC 120V/60Hz
Date: 15/06/23/
Time: 10/15/30
Engineer Signature: STAR
Distance: 3m

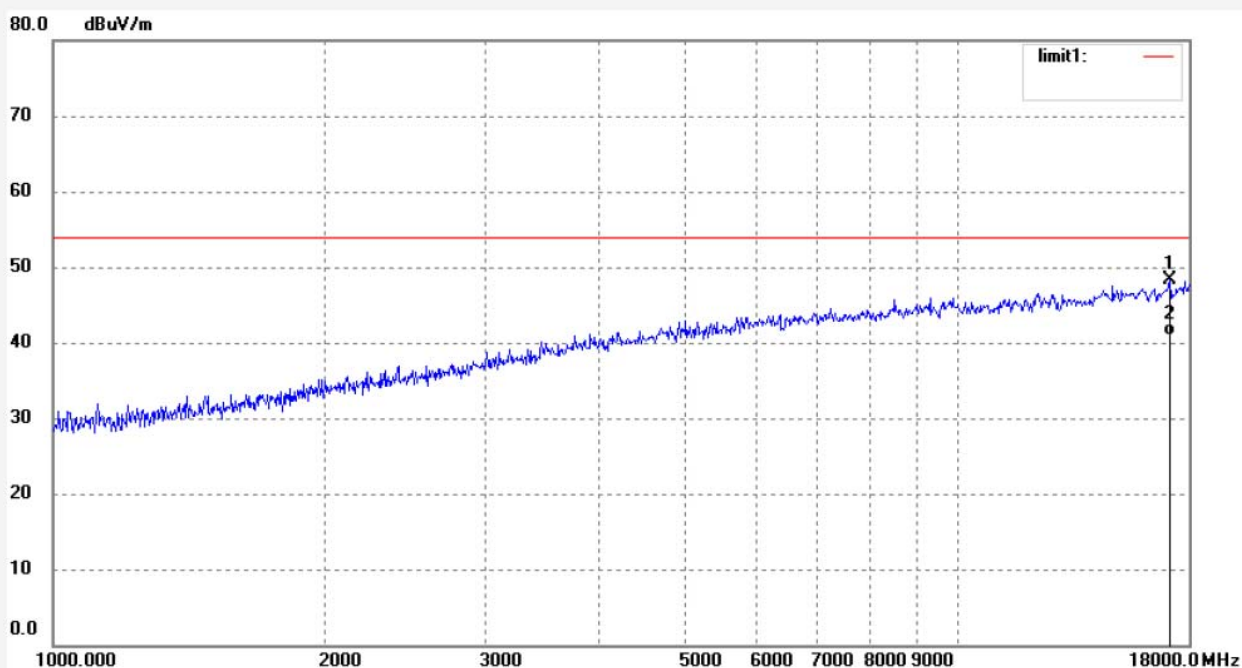
Note: Report No.:ATE20151328



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	9952.717	40.10	5.27	45.37	74.00	-28.63	peak			
2	9952.717	33.47	5.27	38.74	54.00	-15.26	peak			

Job No.: star2014 #594	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: 10/22/46
EUT: Indoor Air Quality Sensor	Engineer Signature: STAR
Mode: TX Channel 6(802.11g)	Distance: 3m
Model: FBT0002100	
Manufacturer: Mixwell	

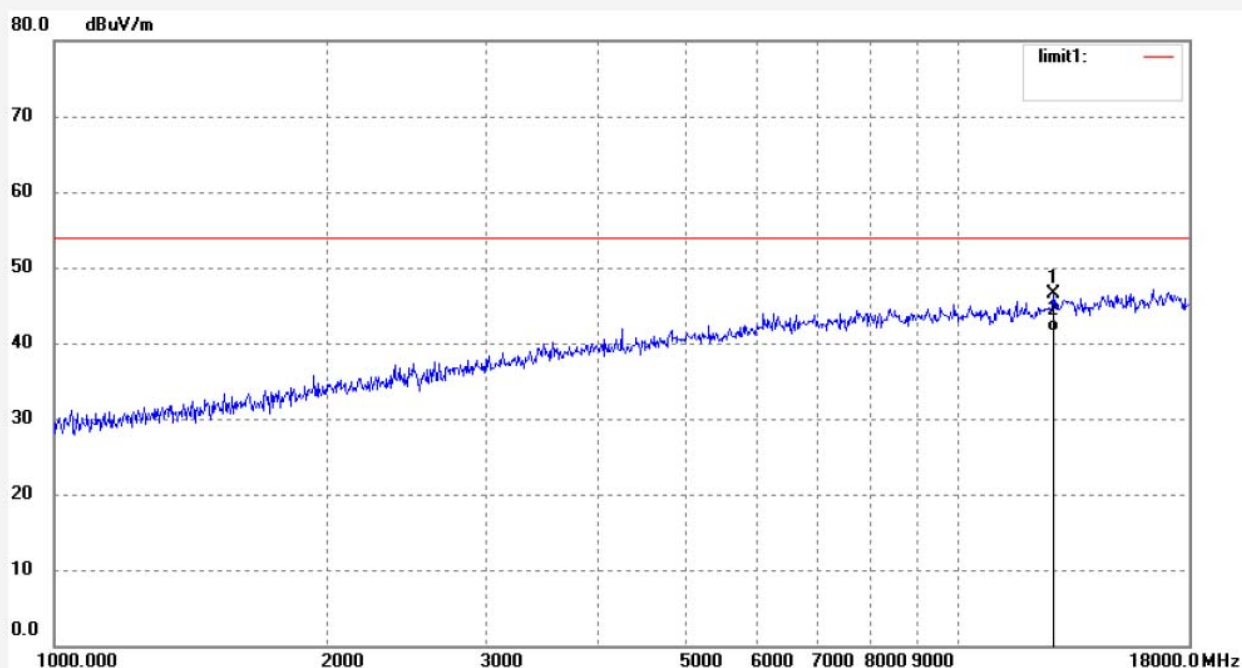
Note: Report No.:ATE20151328



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	17136.924	33.81	14.42	48.23	74.00	-25.77	peak			
2	17136.924	26.40	14.42	40.82	54.00	-13.18	peak			

Job No.: star2014 #593	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: 10/18/10
EUT: Indoor Air Quality Sensor	Engineer Signature: STAR
Mode: TX Channel 6(802.11g)	Distance: 3m
Model: FBT0002100	
Manufacturer: Mixwell	

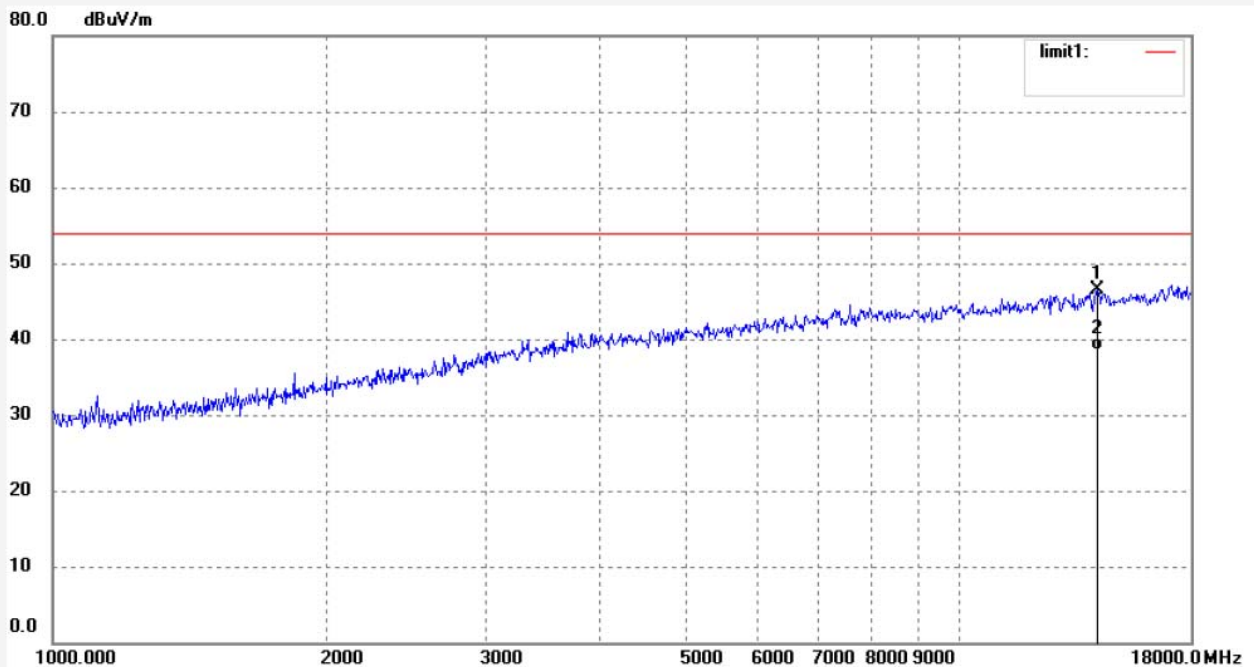
Note: Report No.:ATE20151328



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	12724.473	39.03	7.49	46.52	74.00	-27.48	peak			
2	12724.473	34.00	7.49	41.49	54.00	-12.51	peak			

Job No.: star2014 #595	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: 10/26/23
EUT: Indoor Air Quality Sensor	Engineer Signature: STAR
Mode: TX Channel 11(802.11g)	Distance: 3m
Model: FBT0002100	
Manufacturer: Mixwell	

Note: Report No.:ATE20151328

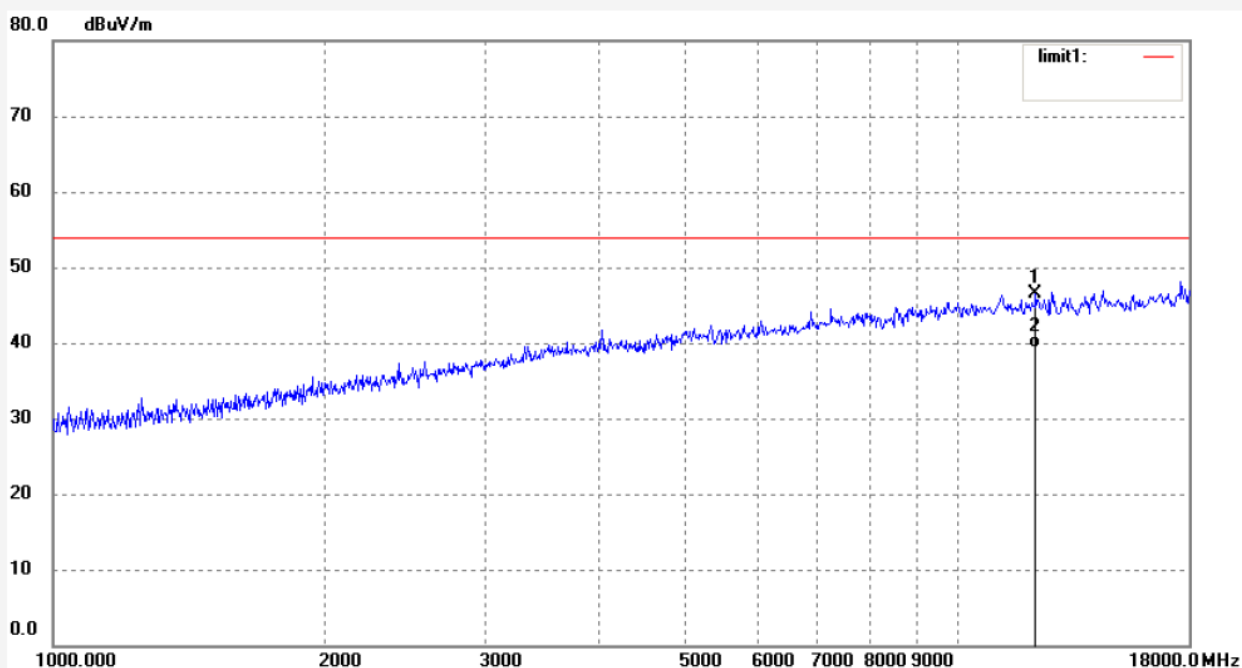


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	14201.694	34.99	11.45	46.44	74.00	-27.56	peak			
2	14201.694	26.96	11.45	38.41	54.00	-15.59	peak			

Job No.: star2014 #596
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 25 C / 55 %
 EUT: Indoor Air Quality Sensor
 Mode: TX Channel 11(802.11g)
 Model: FBT0002100
 Manufacturer: Mixwell

Polarization: Vertical
 Power Source: AC 120V/60Hz
 Date: 15/06/23/
 Time: 10/30/06
 Engineer Signature: STAR
 Distance: 3m

Note: Report No.:ATE20151328

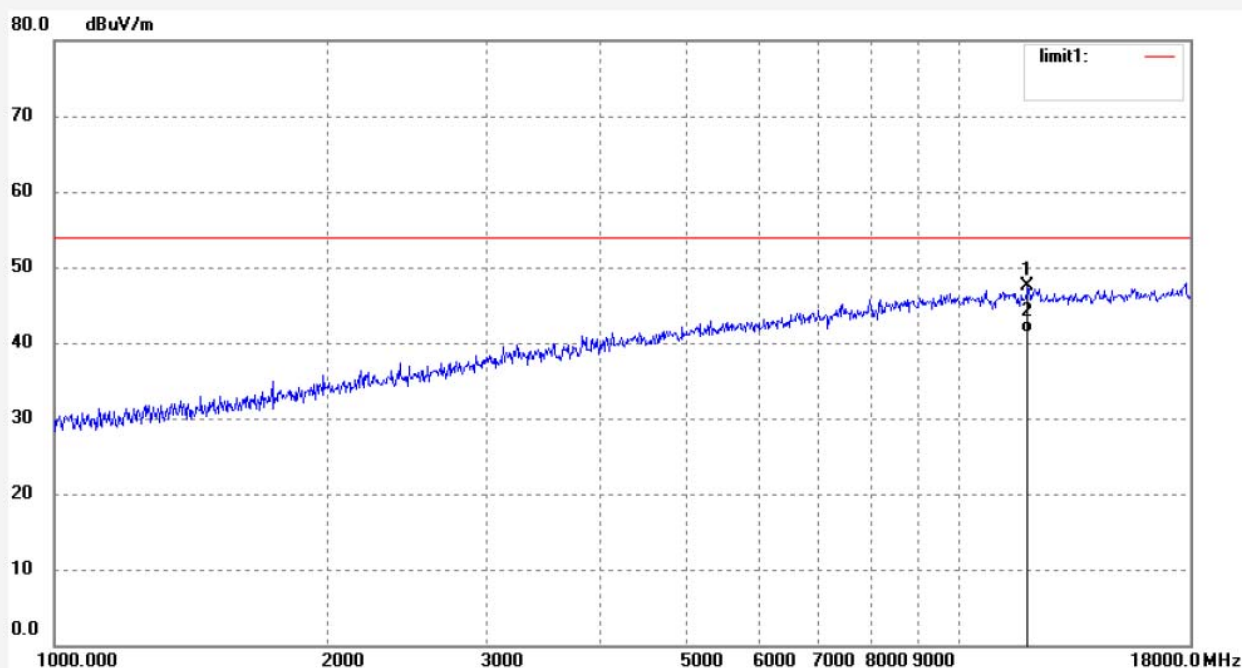


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	12184.584	39.73	6.73	46.46	74.00	-27.54	peak			
2	12184.584	32.58	6.73	39.31	54.00	-14.69	peak			

Job No.: star2014 #598
 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: FBT0002100
 Manufacturer: Mixwell

Polarization: Horizontal
 Power Source: AC 120V/60Hz
 Date: 15/06/23/
 Time: 10/37/11
 Engineer Signature: STAR
 Distance: 3m

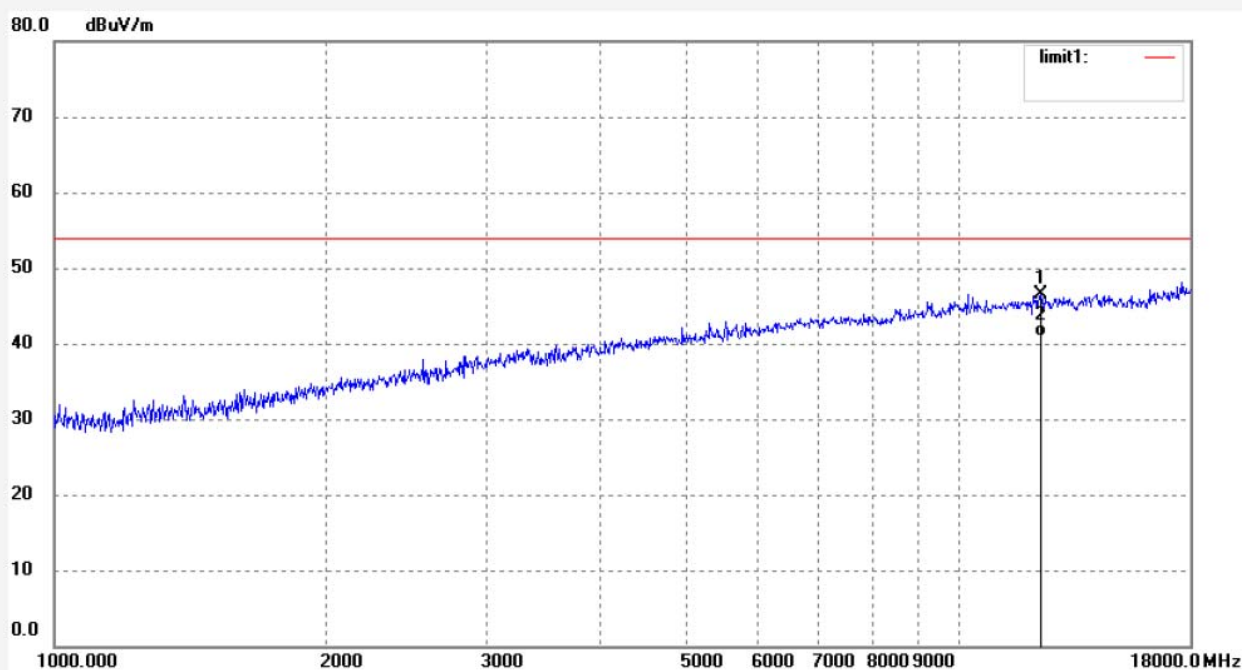
Note: Report No.:ATE20151328



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	41.10	6.41	47.51	74.00	-26.49	peak			
2	11906.073	34.90	6.41	41.31	54.00	-12.69	peak			

Job No.: star2014 #597	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: 10/33/04
EUT: Indoor Air Quality Sensor	Engineer Signature: STAR
Mode: TX Channel 1(802.11n20)	Distance: 3m
Model: FBT0002100	
Manufacturer: Mixwell	

Note: Report No.:ATE20151328

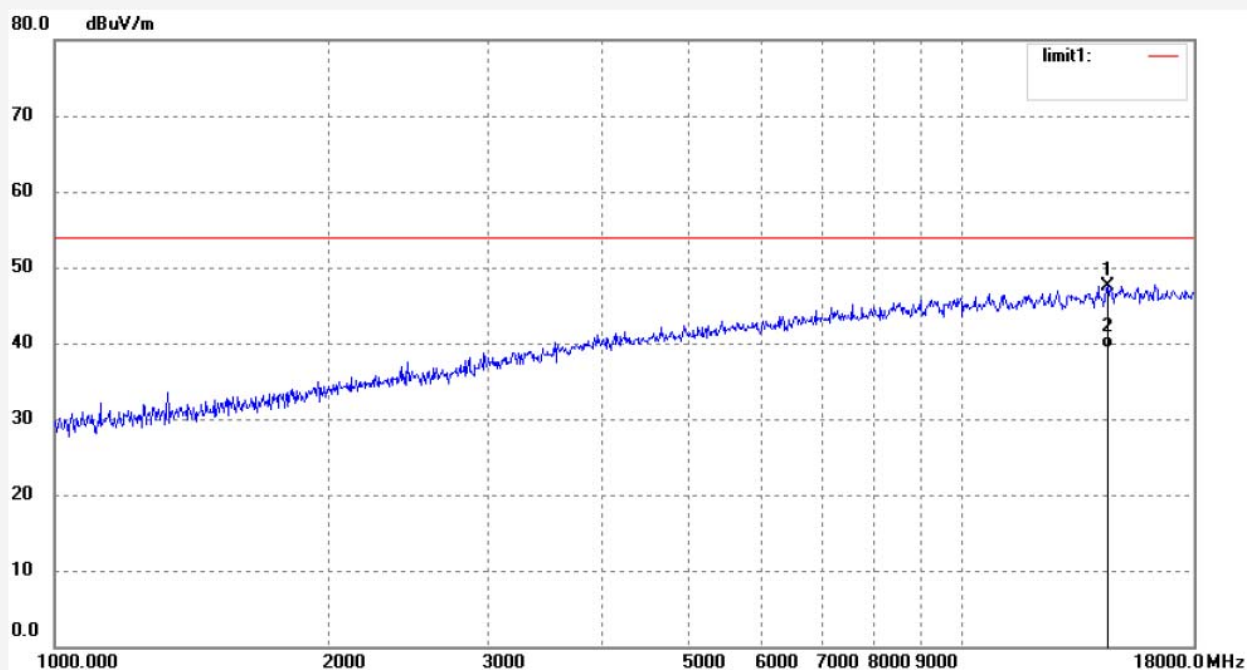


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	12290.698	39.68	6.88	46.56	74.00	-27.44	peak			
2	12290.698	34.10	6.88	40.98	54.00	-13.02	peak			

Job No.: star2014 #599
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 25 C / 55 %
 EUT: Indoor Air Quality Sensor
 Mode: TX Channel 6(802.11n20)
 Model: FBT0002100
 Manufacturer: Mixwell

Polarization: Horizontal
 Power Source: AC 120V/60Hz
 Date: 15/06/23/
 Time: 10/41/59
 Engineer Signature: STAR
 Distance: 3m

Note: Report No.:ATE20151328

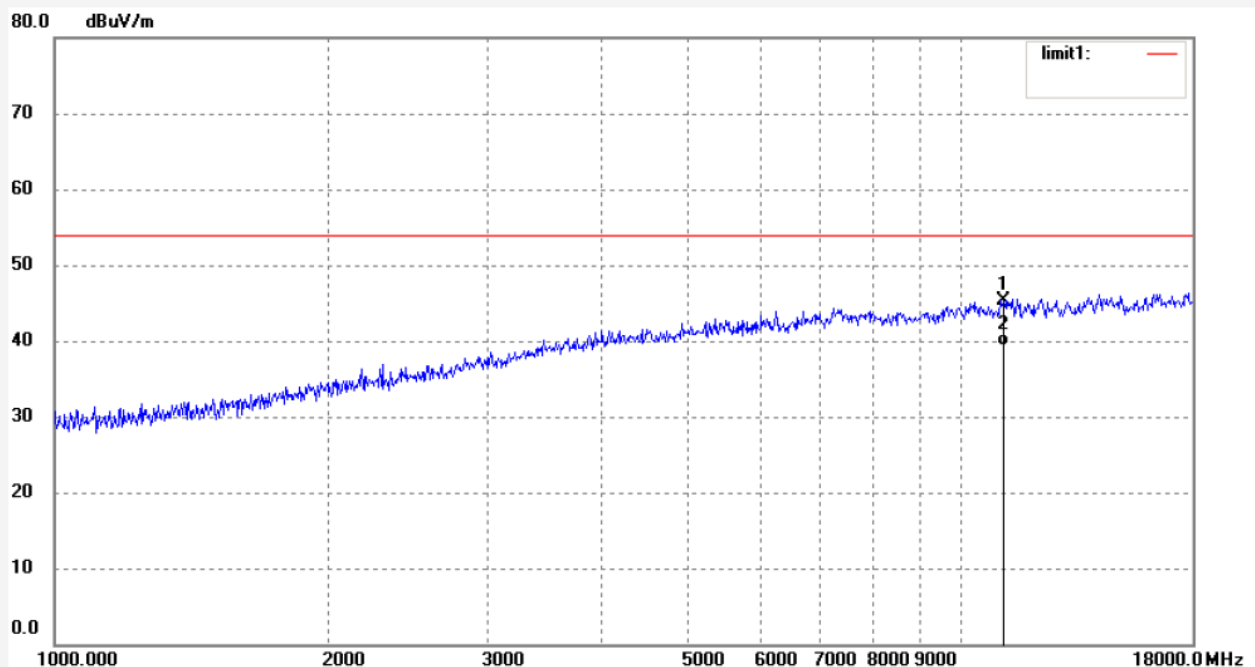


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	14491.958	34.55	12.95	47.50	74.00	-26.50	peak			
2	14491.958	26.39	12.95	39.34	54.00	-14.66	peak			

Job No.: star2014 #600
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 25 C / 55 %
 EUT: Indoor Air Quality Sensor
 Mode: TX Channel 6(802.11n20)
 Model: FBT0002100
 Manufacturer: Mixwell

Polarization: Vertical
 Power Source: AC 120V/60Hz
 Date: 15/06/23/
 Time: 10/45/49
 Engineer Signature: STAR
 Distance: 3m

Note: Report No.:ATE20151328

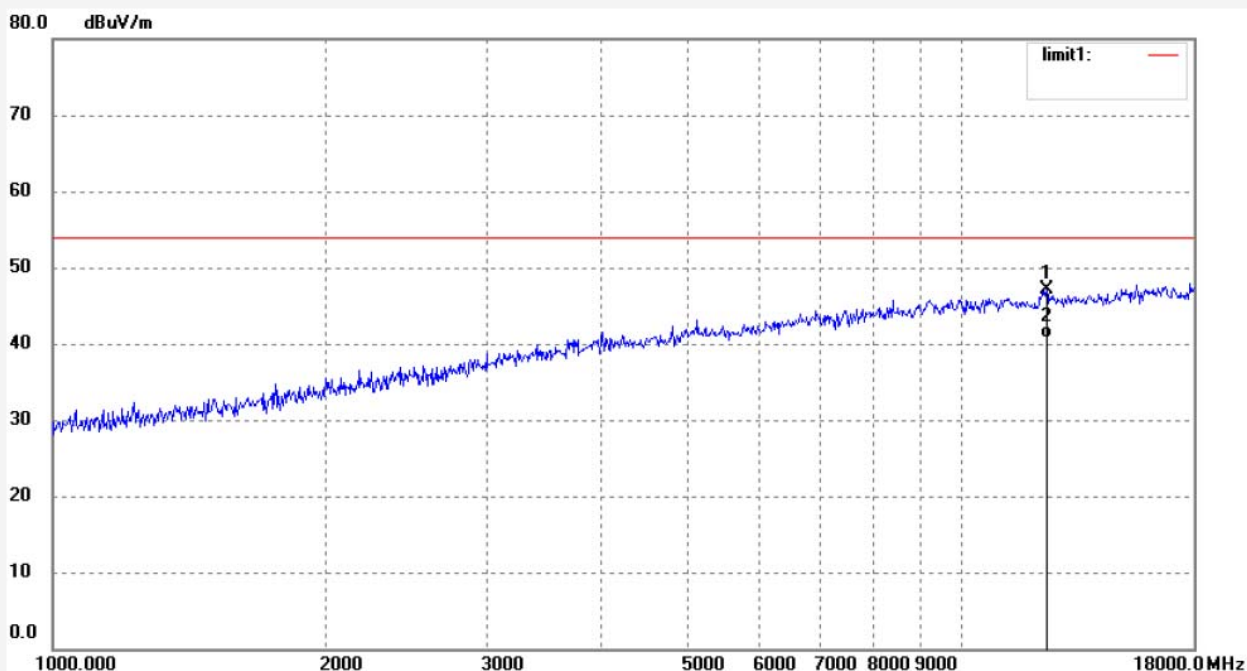


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	11140.310	39.73	5.65	45.38	74.00	-28.62	peak			
2	11140.310	33.69	5.65	39.34	54.00	-14.66	peak			

Job No.: star2014 #602
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Indoor Air Quality Sensor
Mode: TX Channel 11(802.11n20)
Model: FBT0002100
Manufacturer: Mixwell

Polarization: Horizontal
Power Source: AC 120V/60Hz
Date: 15/06/23/
Time: 10/53/26
Engineer Signature: STAR
Distance: 3m

Note: Report No.:ATE20151328

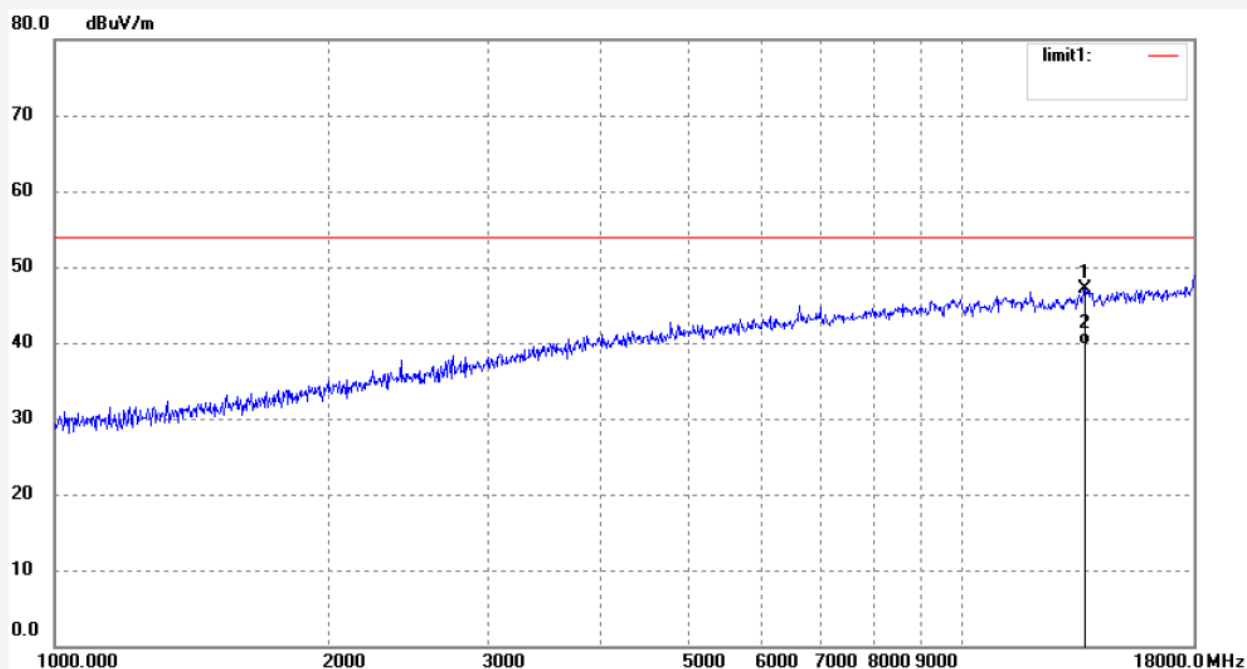


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	12397.735	40.12	7.02	47.14	74.00	-26.86	peak			
2	12397.735	33.60	7.02	40.62	54.00	-13.38	peak			

Job No.: star2014 #601
 Standard: FCC Class B 3M Radiated
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 25 C / 55 %
 EUT: Indoor Air Quality Sensor
 Mode: TX Channel 11(802.11n20)
 Model: FBT0002100
 Manufacturer: Mixwell

Polarization: Vertical
 Power Source: AC 120V/60Hz
 Date: 15/06/23/
 Time: 10/49/38
 Engineer Signature: STAR
 Distance: 3m

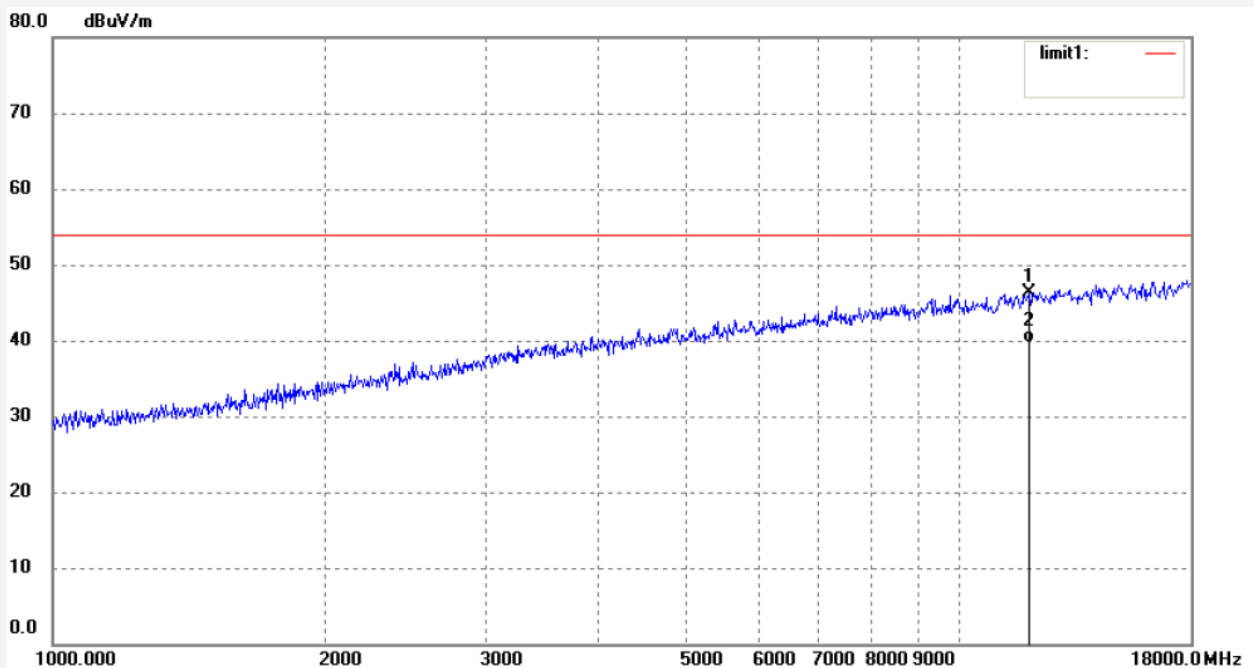
Note: Report No.:ATE20151328



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	13638.492	37.75	9.43	47.18	74.00	-26.82	peak			
2	13638.492	30.20	9.43	39.63	54.00	-14.37	peak			

Job No.: star2014 #604	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: 10/59/03
EUT: Indoor Air Quality Sensor	Engineer Signature: STAR
Mode: TX Channel 3(802.11n)40MHz	Distance: 3m
Model: FBT0002100	
Manufacturer: Mixwell	

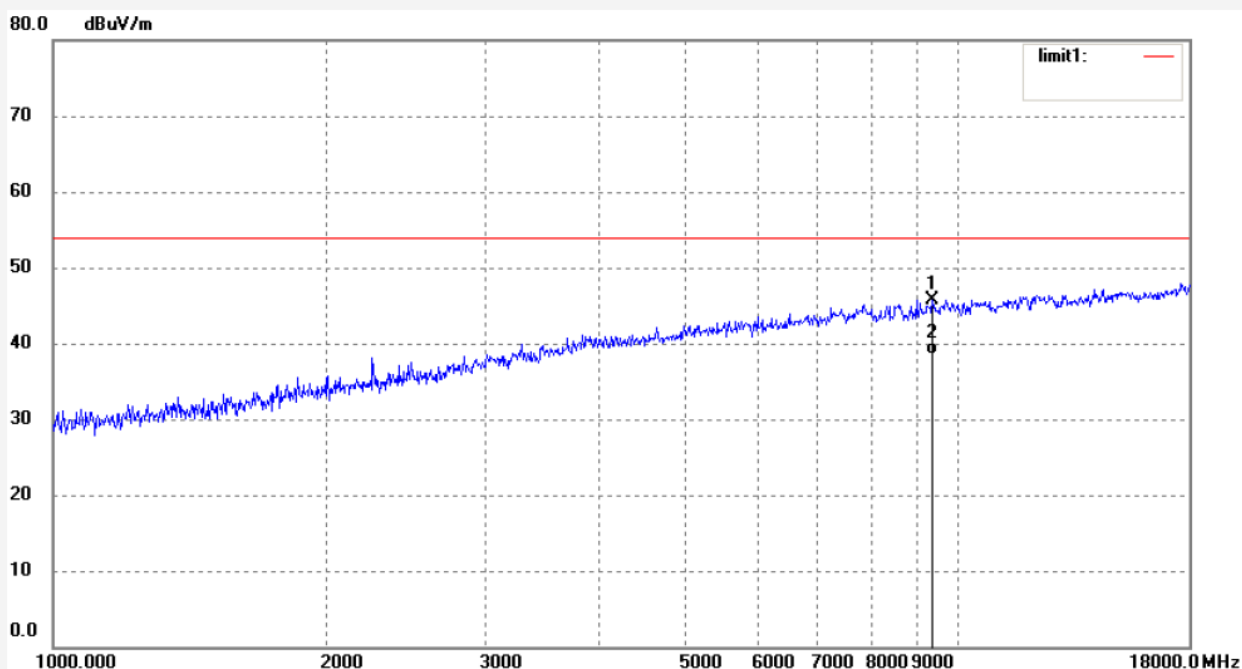
Note: Report No.:ATE20151328



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	11940.535	39.97	6.43	46.40	74.00	-27.60	peak			
2	11940.535	33.25	6.43	39.68	54.00	-14.32	peak			

Job No.: star2014 #603	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: 10/56/25
EUT: Indoor Air Quality Sensor	Engineer Signature: STAR
Mode: TX Channel 3(802.11n)40MHz	Distance: 3m
Model: FBT0002100	
Manufacturer: Mixwell	

Note: Report No.:ATE20151328



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	9366.577	41.36	4.44	45.80	74.00	-28.20	peak			
2	9366.577	34.16	4.44	38.60	54.00	-15.40	peak			

Job No.: star2014 #605

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Indoor Air Quality Sensor

Mode: TX Channel 6(802.11n)40MHz

Model: FBT0002100

Manufacturer: Mixwell

Polarization: Horizontal

Power Source: AC 120V/60Hz

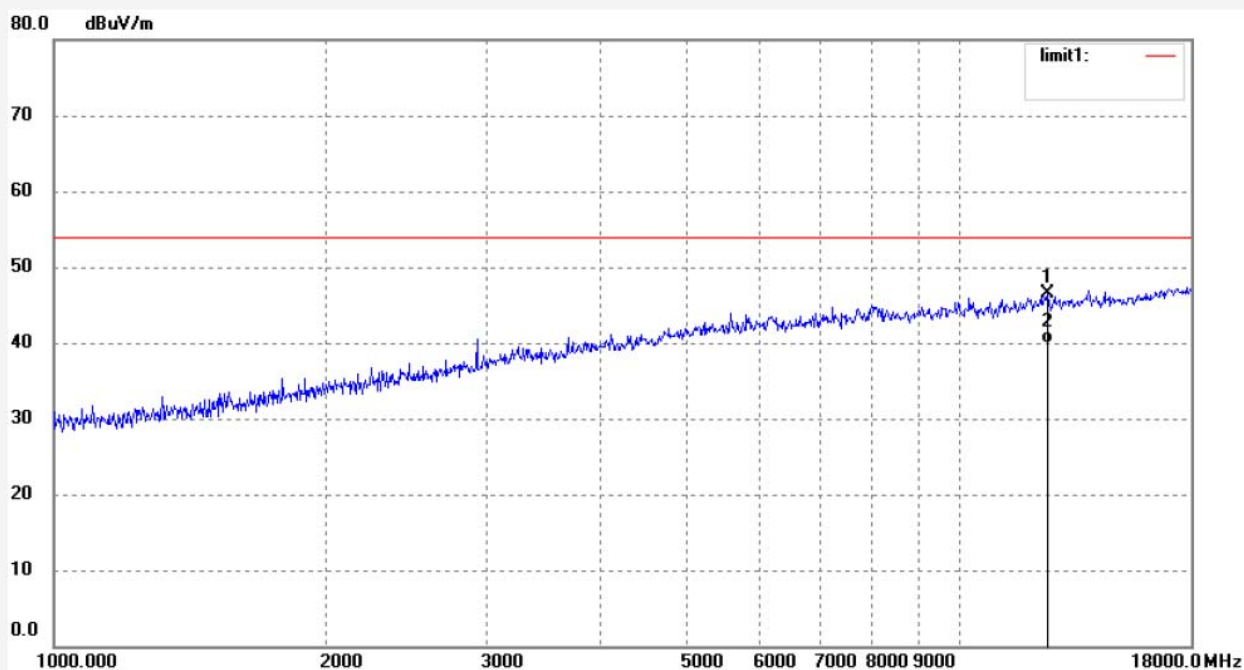
Date: 15/06/23/

Time: 11/03/04

Engineer Signature: STAR

Distance: 3m

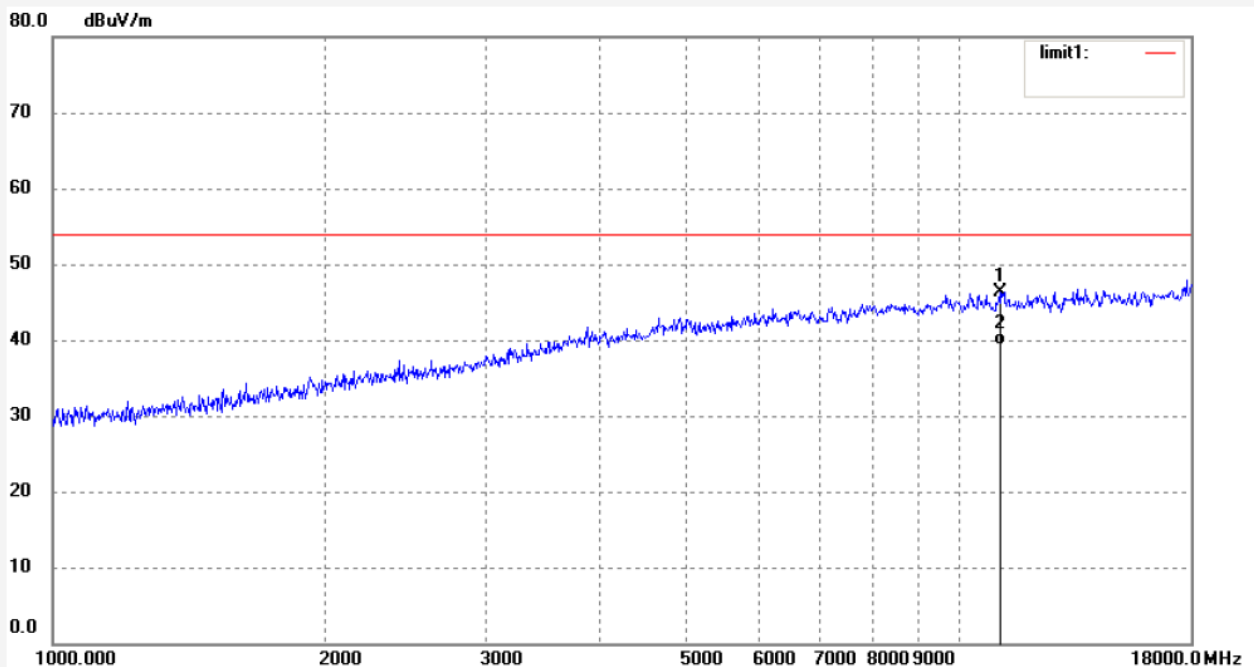
Note: Report No.:ATE20151328



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	12505.705	39.28	7.16	46.44	74.00	-27.56	peak			
2	12505.705	32.65	7.16	39.81	54.00	-14.19	peak			

Job No.: star2014 #606	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: 11/08/22
EUT: Indoor Air Quality Sensor	Engineer Signature: STAR
Mode: TX Channel 6(802.11n)40MHz	Distance: 3m
Model: FBT0002100	
Manufacturer: Mixwell	

Note: Report No.:ATE20151328



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	11076.096	40.72	5.58	46.30	74.00	-27.70	peak			
2	11076.096	33.71	5.58	39.29	54.00	-14.71	peak			



ACCURATE TECHNOLOGY CO., LTD.

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

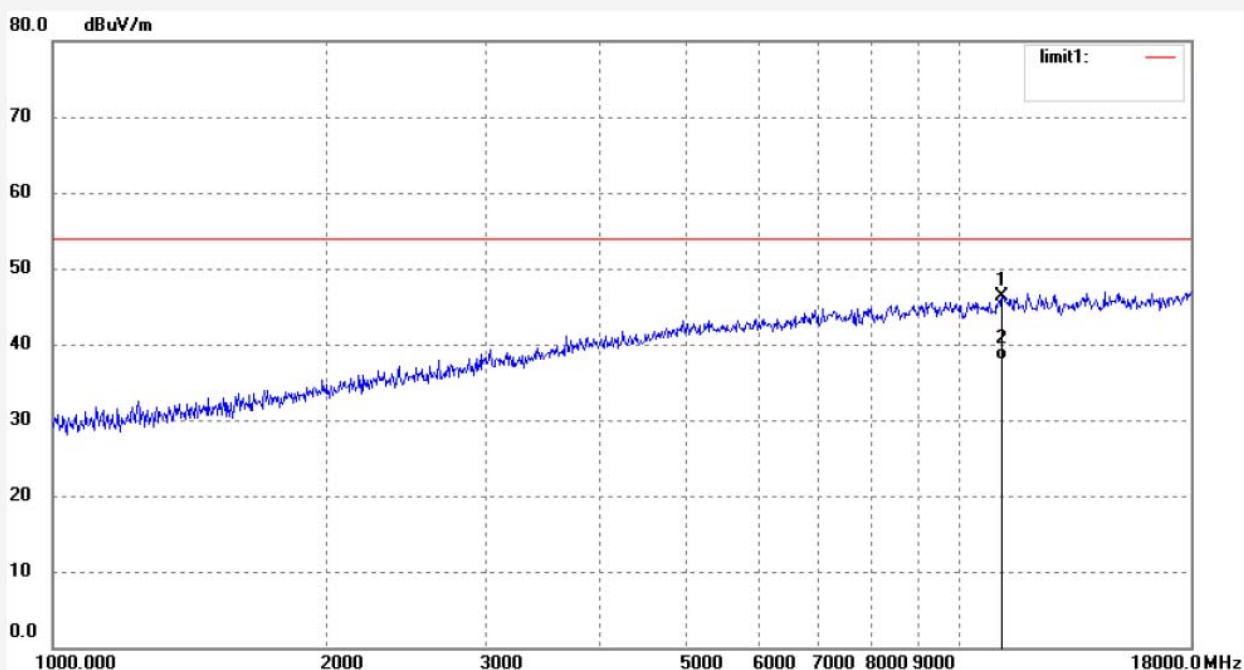
Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star2014 #608	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: 11/16/17
EUT: Indoor Air Quality Sensor	Engineer Signature: STAR
Mode: TX Channel 9(802.11n)40MHz	Distance: 3m
Model: FBT0002100	
Manufacturer: Mixwell	

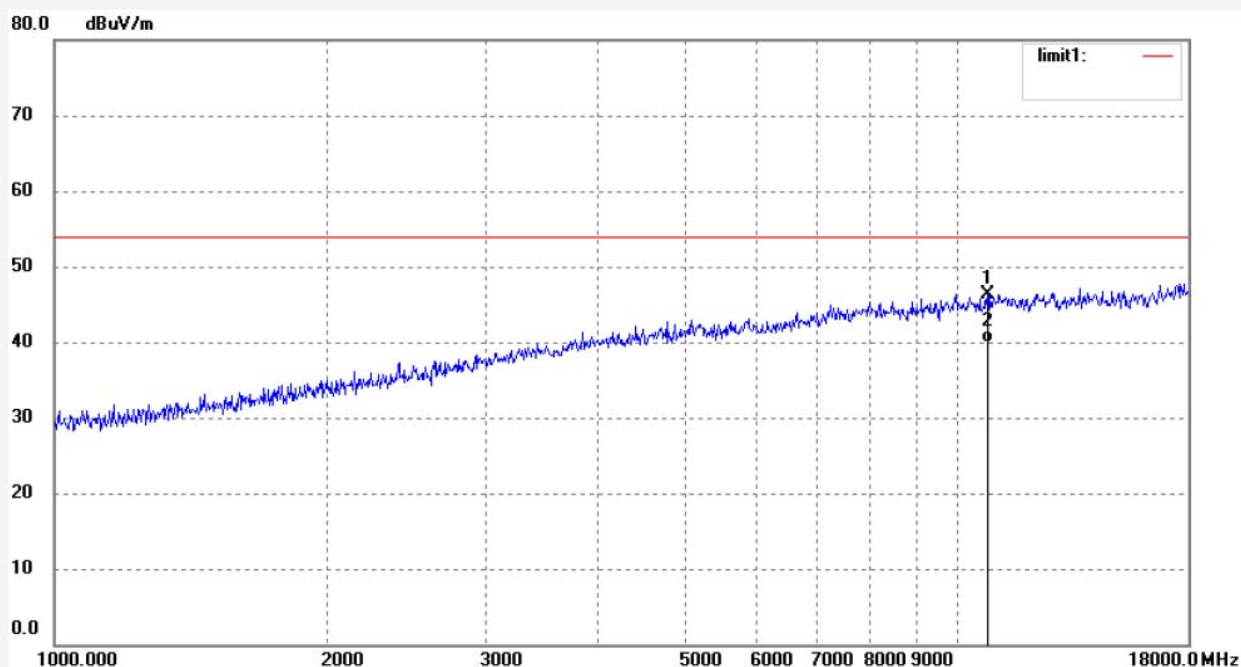
Note: Report No.:ATE20151328



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	40.59	5.65	46.24	74.00	-27.76	peak			
2	11140.310	32.17	5.65	37.82	54.00	-16.18	peak			

Job No.: star2014 #607	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: 11/12/17
EUT: Indoor Air Quality Sensor	Engineer Signature: STAR
Mode: TX Channel 9(802.11n)40MHz	Distance: 3m
Model: FBT0002100	
Manufacturer: Mixwell	

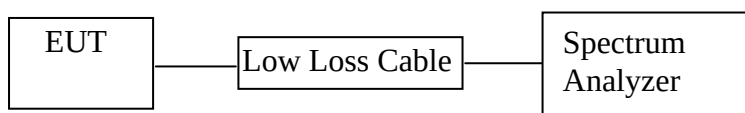
Note: Report No.:ATE20151328



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	10791.685	41.00	5.38	46.38	74.00	-27.62	peak			
2	10791.685	34.52	5.38	39.90	54.00	-14.10	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.

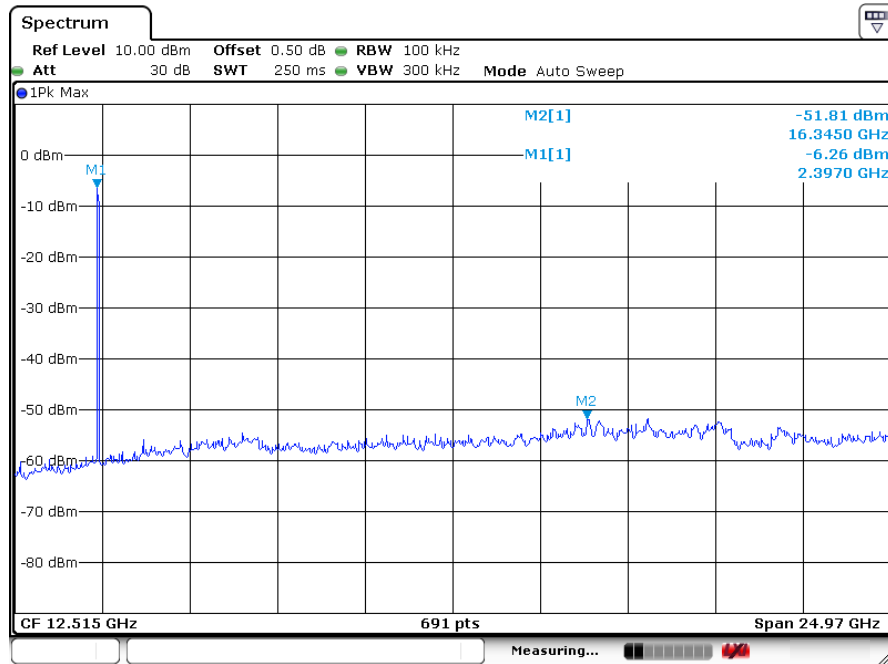
11.5.3. The Conducted Spurious Emission was measured and recorded.

11.6. Test Result

Pass.

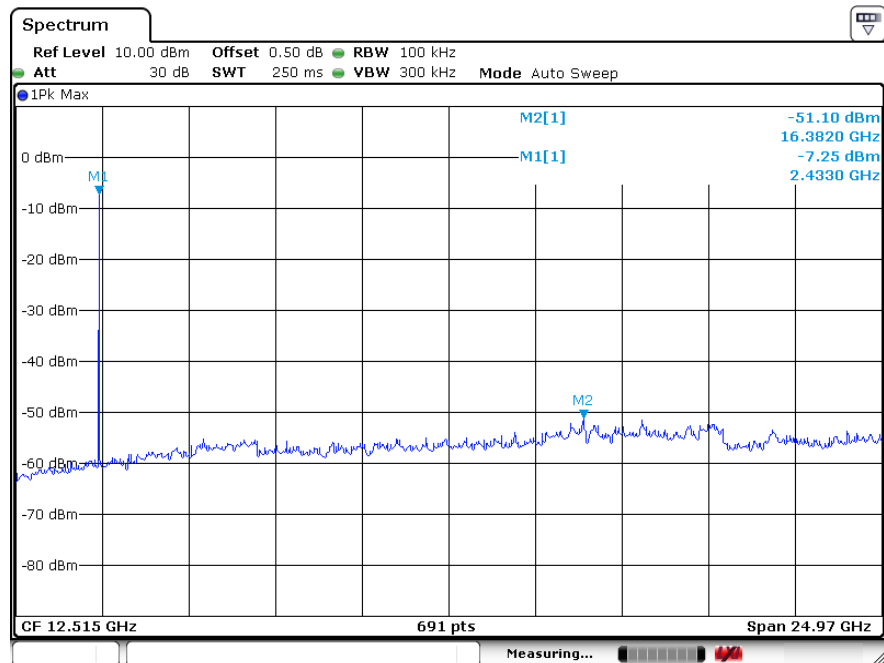
The spectrum analyzer plots are attached as below.

TX 802.11b Channel Low 2412MHz



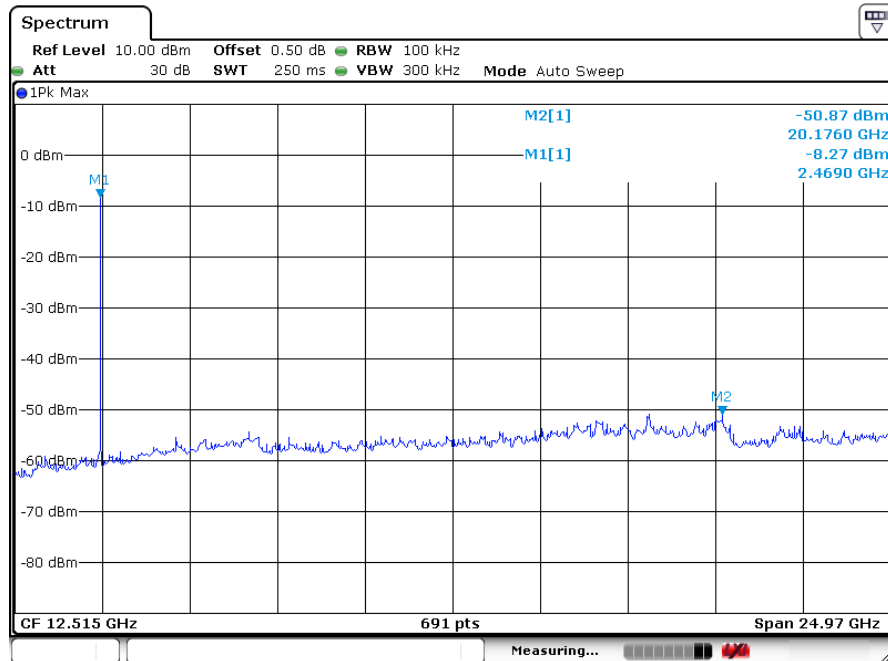
Date: 26.Jun.2015 10:48:13

TX 802.11b Channel Middle 2437MHz



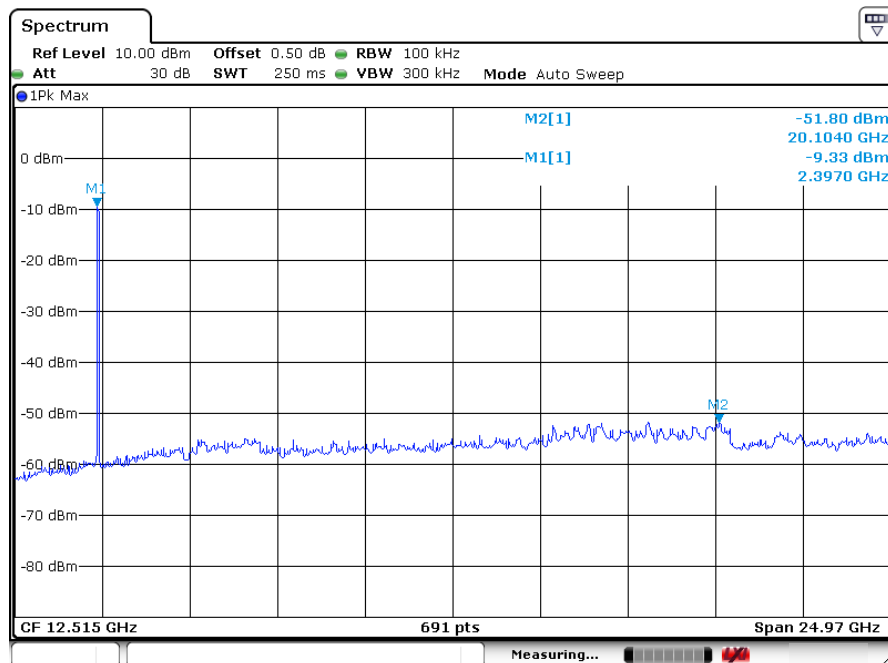
Date: 26.Jun.2015 10:47:00

TX 802.11b Channel High 2462MHz



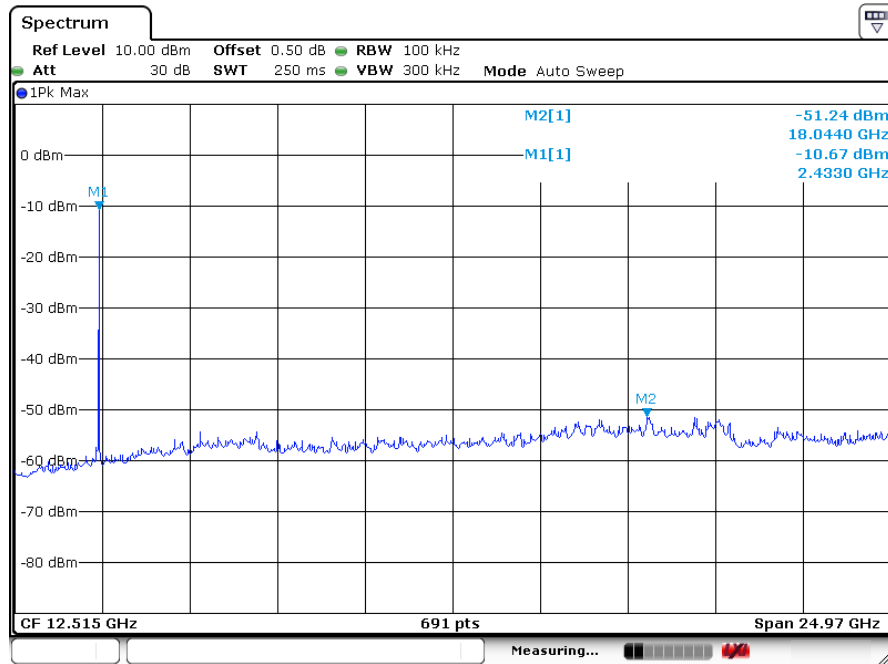
Date: 26.Jun.2015 10:49:12

TX 802.11g Channel Low 2412MHz



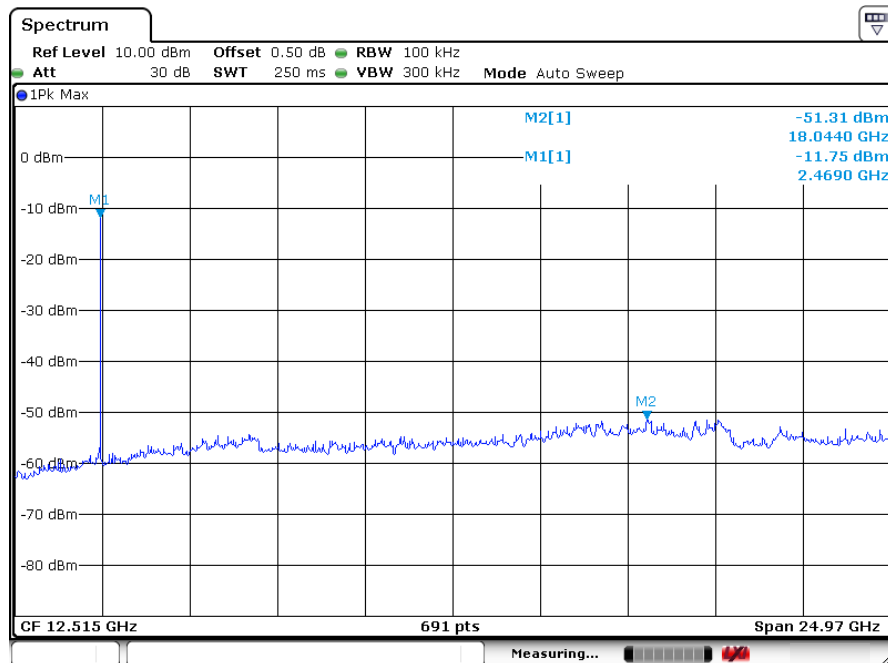
Date: 26.Jun.2015 10:55:30

TX 802.11g Channel Middle 2437MHz



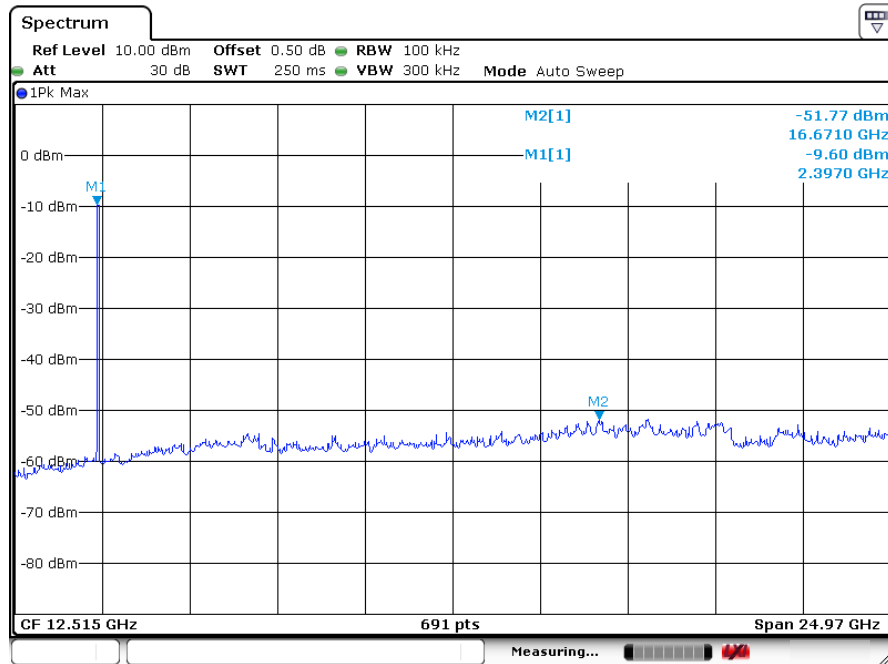
Date: 26.Jun.2015 10:53:11

TX 802.11g Channel High 2462MHz



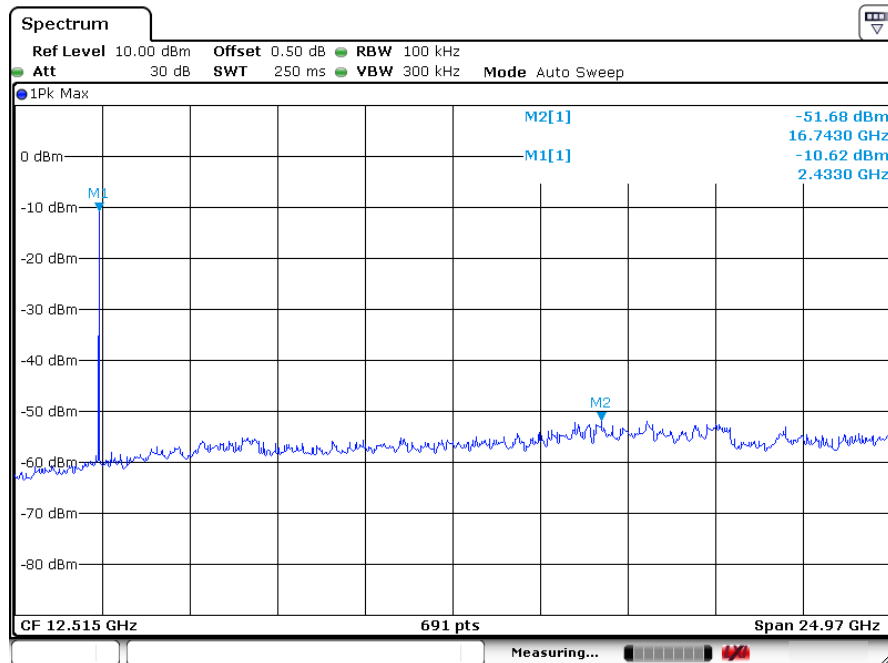
Date: 26.Jun.2015 10:52:12

TX 802.11n Channel Low 2412MHz (20MHz)



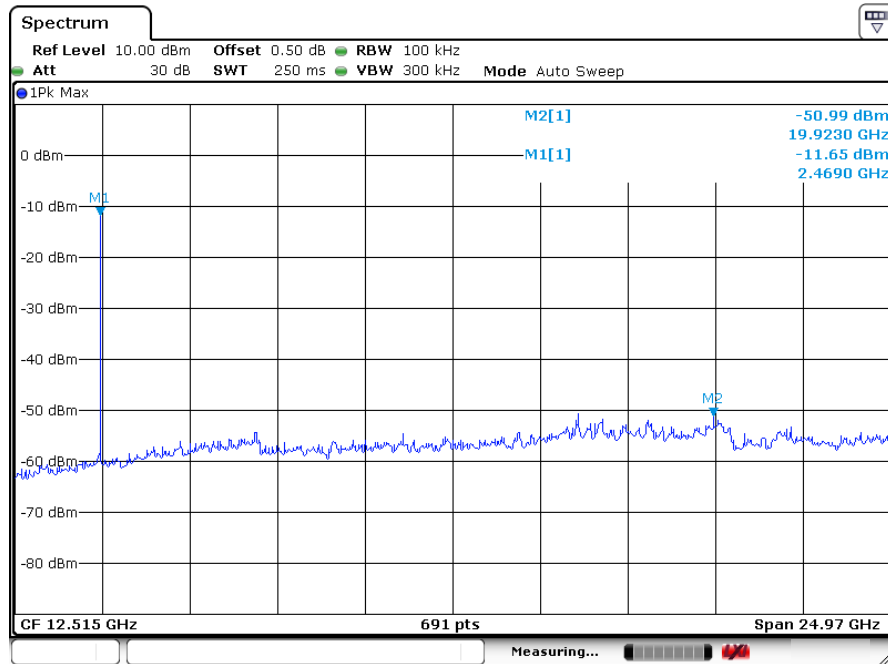
Date: 26.Jun.2015 10:56:43

TX 802.11n Channel Middle 2437MHz (20MHz)



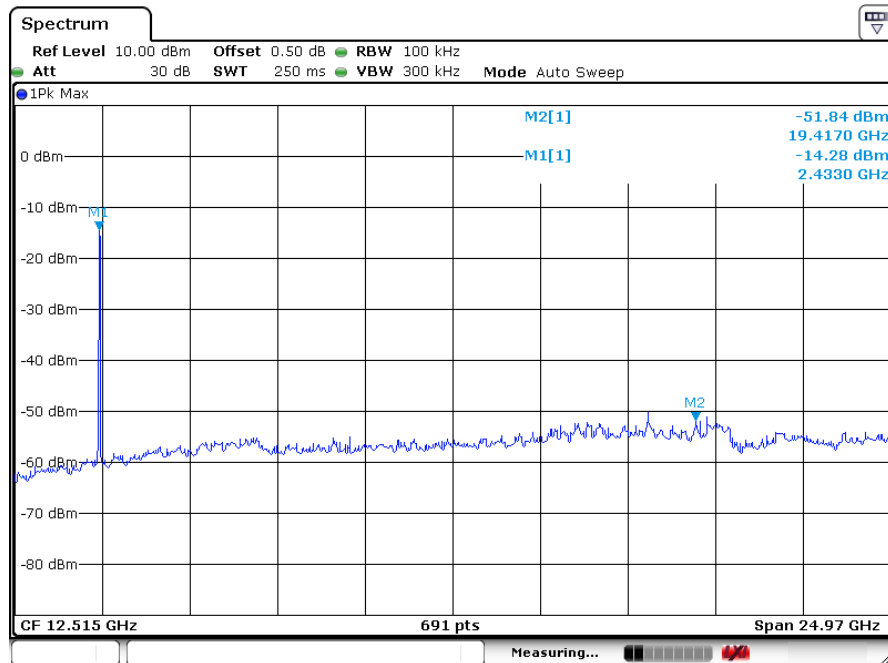
Date: 26.Jun.2015 10:57:29

TX 802.11n Channel High 2462MHz (20MHz)



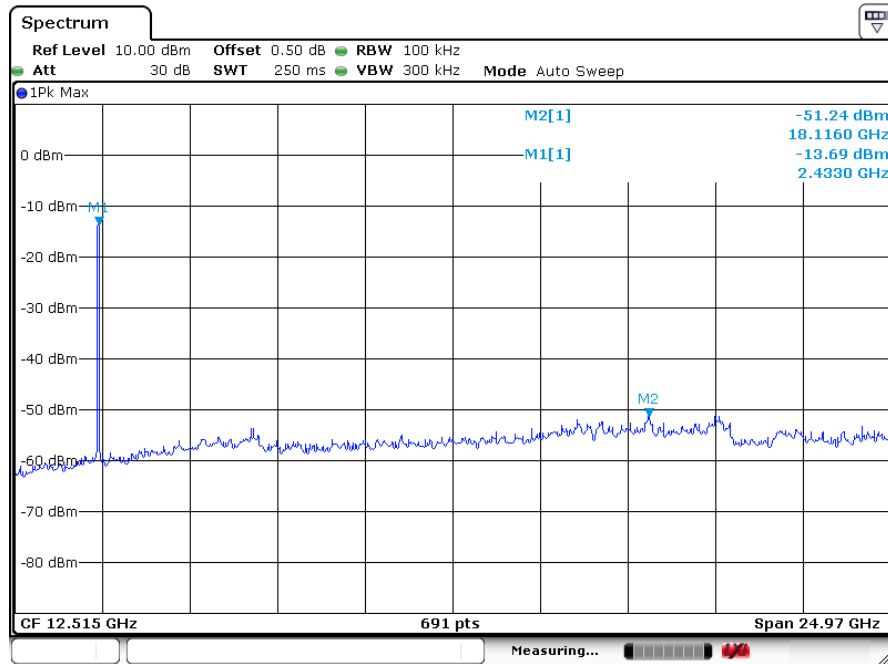
Date: 26.Jun.2015 10:59:15

TX 802.11n Channel Low 2422MHz (40MHz)



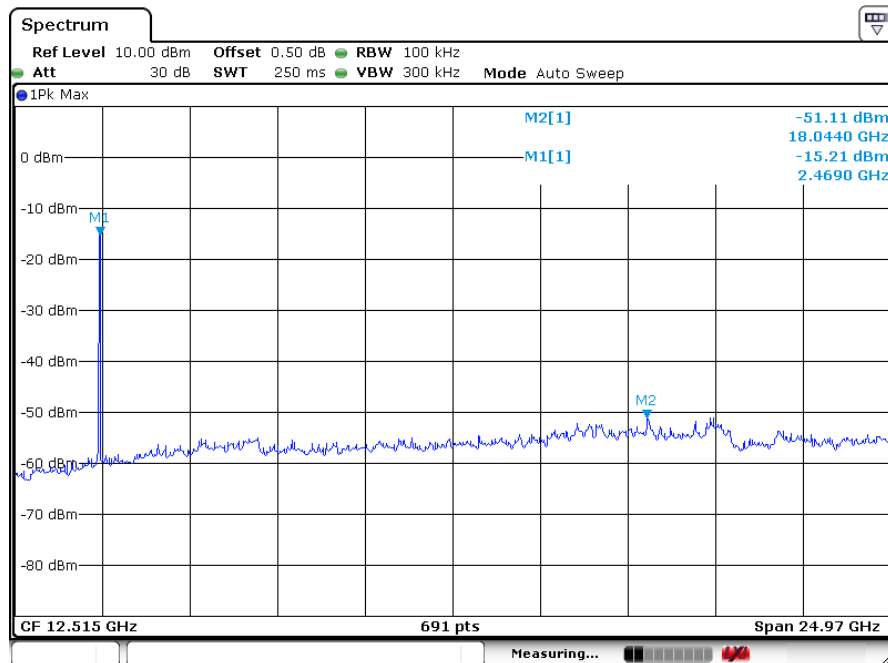
Date: 26.Jun.2015 11:02:38

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

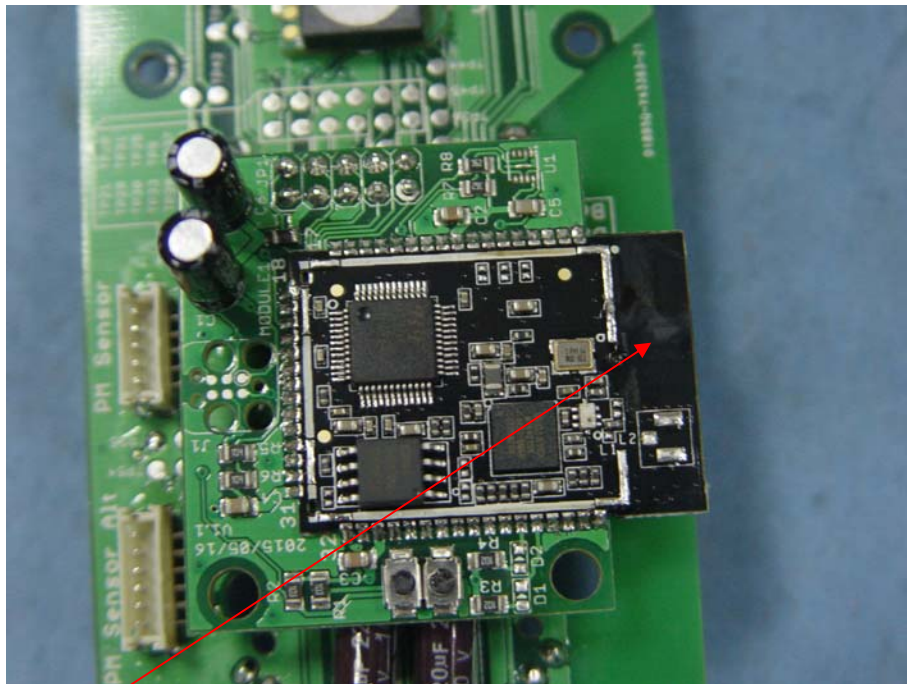
12.ANTENNA REQUIREMENT

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