

## Below 1G



### ACCURATE TECHNOLOGY CO., LTD.

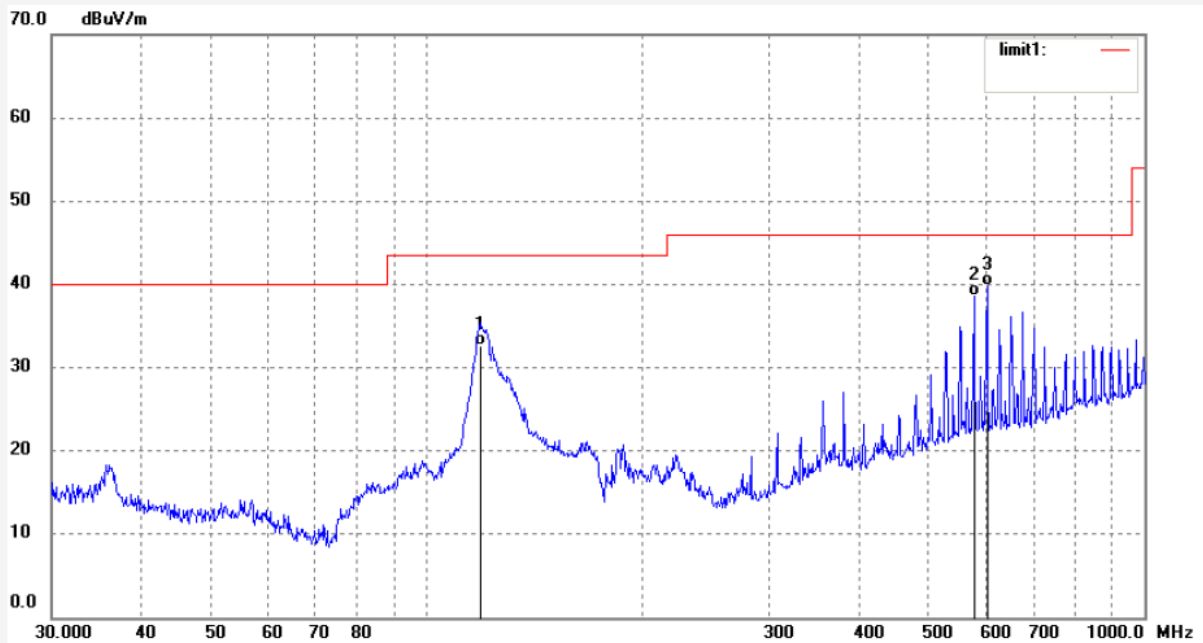
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: star2015 #303  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: Subwoofer Amplifier  
Mode: TX Channel 1(802.11b)  
Model: SPA2400DSP  
Manufacturer: PARTS

Polarization: Horizontal  
Power Source: AC 120V/60Hz  
Date: 2015/08/22  
Time: 16:03:45  
Engineer Signature:  
Distance: 3m

Note: Report No.:ATE20151750

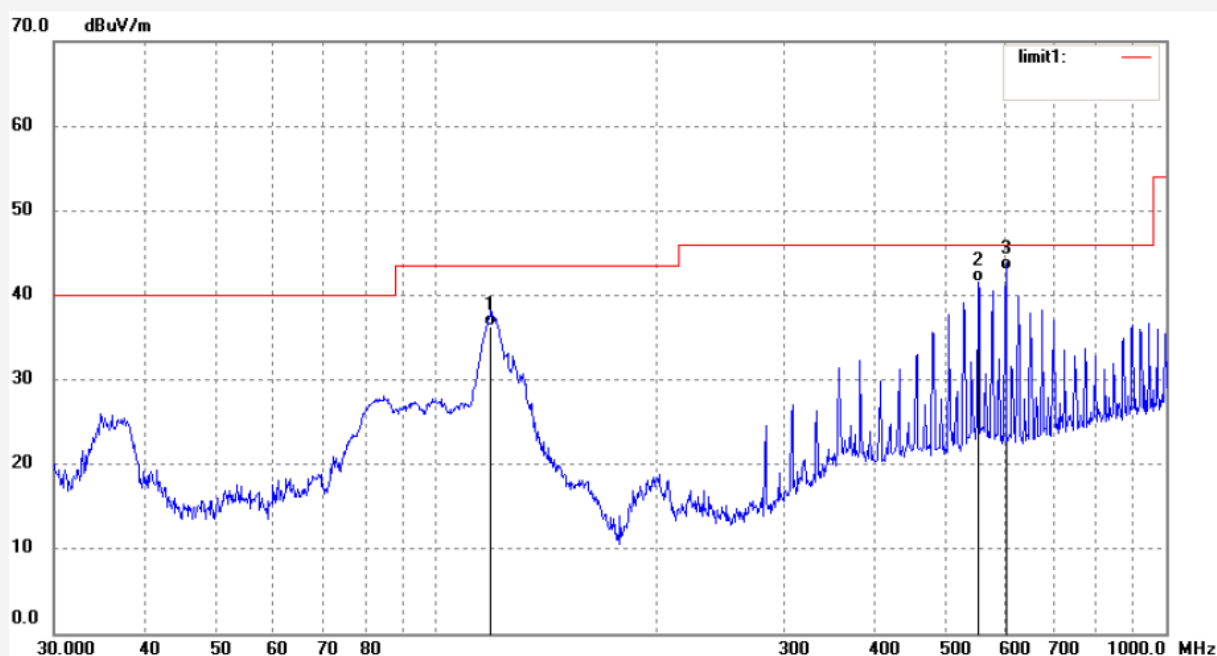


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	118.6014	46.79	-14.14	32.65	43.50	-10.85	QP			
2	578.6699	42.77	-4.14	38.63	46.00	-7.37	QP			
3	603.5392	43.74	-3.92	39.82	46.00	-6.18	QP			

Job No.: star2015 #304  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: Subwoofer Amplifier  
Mode: TX Channel 1(802.11b)  
Model: SPA2400DSP  
Manufacturer: PARTS

Polarization: Vertical  
Power Source: AC 120V/60Hz  
Date: 2015/08/22  
Time: 16:04:28  
Engineer Signature:  
Distance: 3m

Note: Report No.:ATE20151750

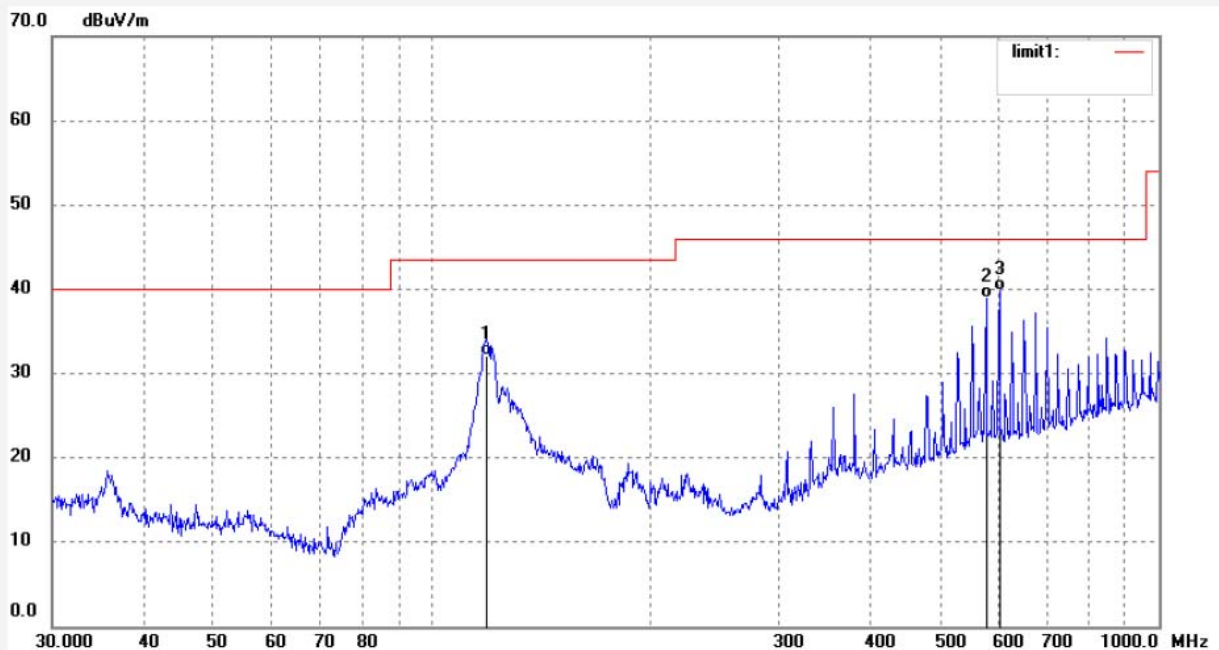


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	119.0180	50.47	-14.15	36.32	43.50	-7.18	QP			
2	552.8832	46.03	-4.54	41.49	46.00	-4.51	QP			
3	603.5392	46.90	-3.92	42.98	46.00	-3.02	QP			

Job No.: star2015 #306  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: Subwoofer Amplifier  
Mode: TX Channel 6(802.11b)  
Model: SPA2400DSP  
Manufacturer: PARTS

Polarization: Horizontal  
Power Source: AC 120V/60Hz  
Date: 2015/08/22  
Time: 16:05:52  
Engineer Signature:  
Distance: 3m

Note: Report No.:ATE20151750

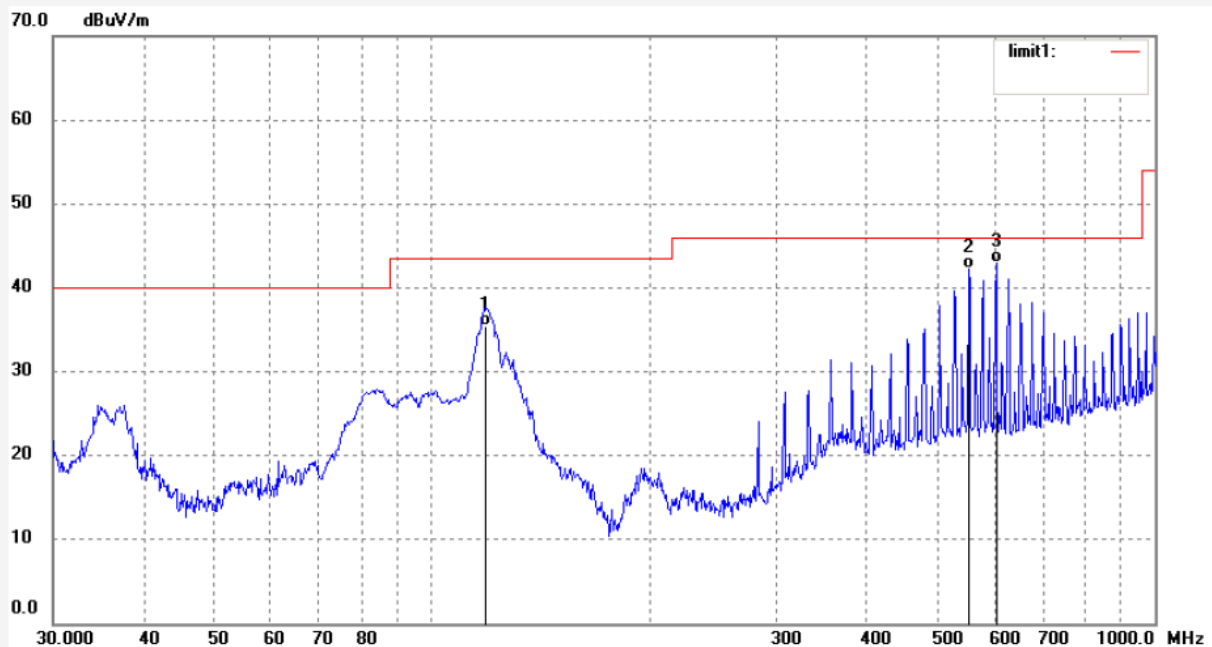


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	119.0180	46.20	-14.15	32.05	43.50	-11.45	QP			
2	578.6698	43.04	-4.13	38.91	46.00	-7.09	QP			
3	603.5392	43.79	-3.92	39.87	46.00	-6.13	QP			

Job No.: star2015 #305  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: Subwoofer Amplifier  
Mode: TX Channel 6(802.11b)  
Model: SPA2400DSP  
Manufacturer: PARTS

Polarization: Vertical  
Power Source: AC 120V/60Hz  
Date: 2015/08/22  
Time: 16:05:10  
Engineer Signature:  
Distance: 3m

Note: Report No.:ATE20151750

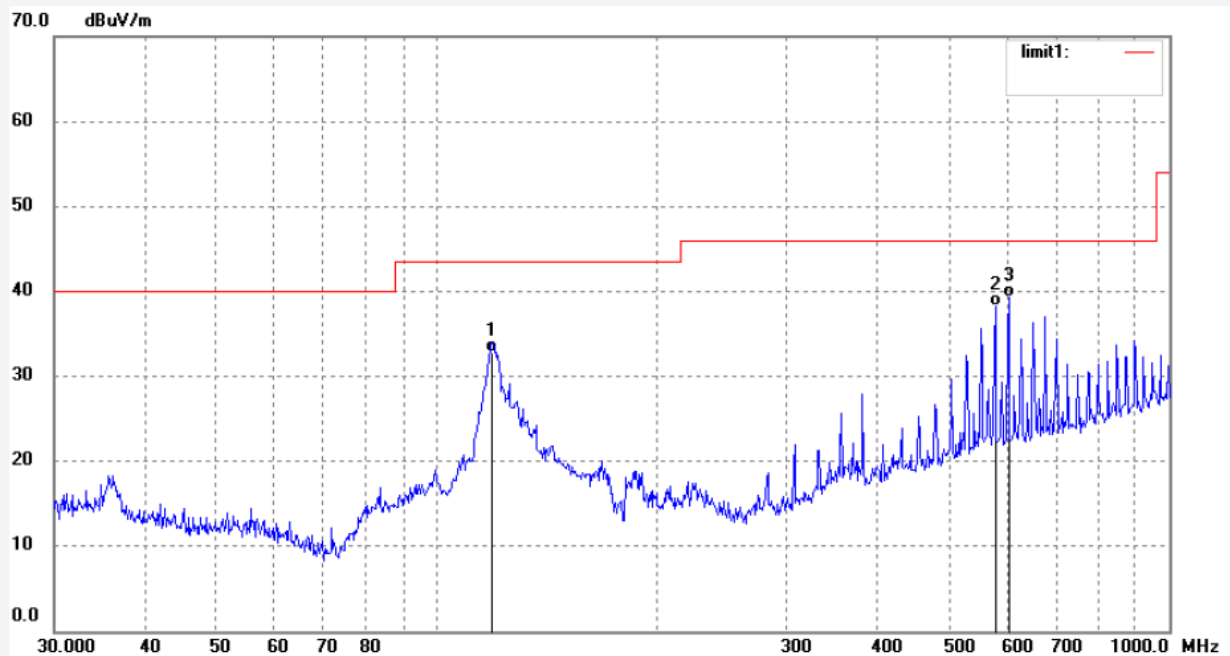


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	118.6014	49.60	-14.14	35.46	43.50	-8.04	QP			
2	552.8832	46.75	-4.54	42.21	46.00	-3.79	QP			
3	603.5392	46.80	-3.92	42.88	46.00	-3.12	QP			

Job No.: star2015 #308  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: Subwoofer Amplifier  
Mode: TX Channel 11(802.11b)  
Model: SPA2400DSP  
Manufacturer: PARTS

Polarization: Horizontal  
Power Source: AC 120V/60Hz  
Date: 2015/08/22  
Time: 16:07:24  
Engineer Signature:  
Distance: 3m

Note: Report No.:ATE20151750

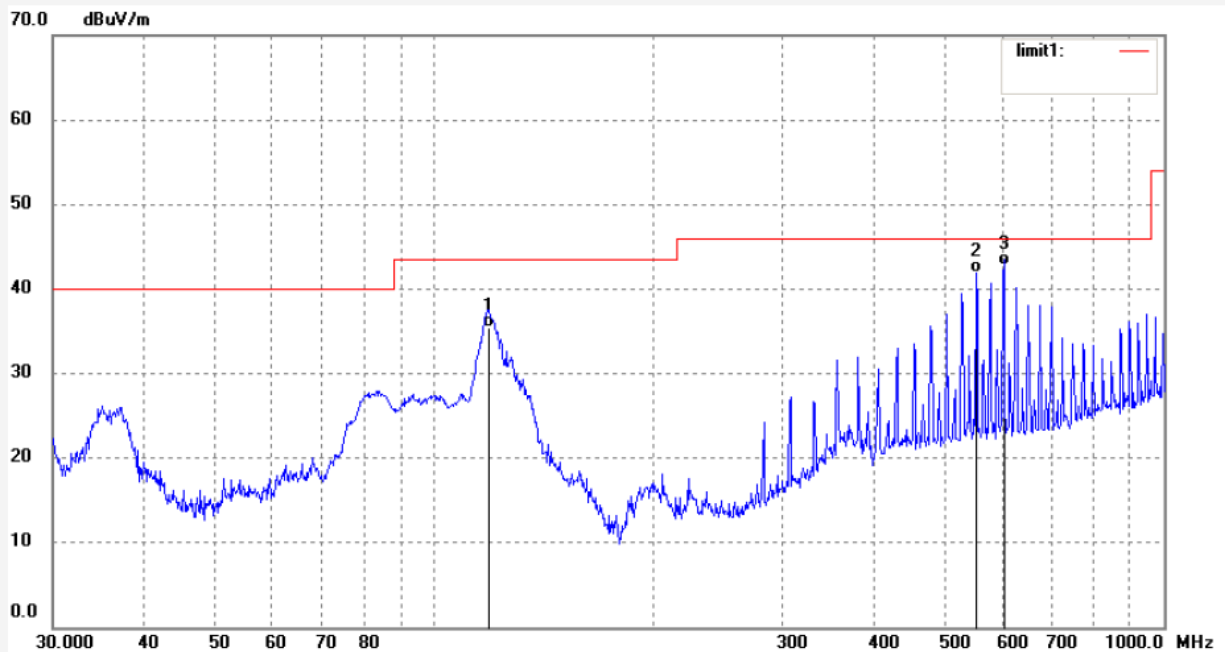


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	119.0180	46.90	-14.15	32.75	43.50	-10.75	QP			
2	578.6698	42.32	-4.13	38.19	46.00	-7.81	QP			
3	603.5392	43.13	-3.92	39.21	46.00	-6.79	QP			

Job No.: star2015 #307  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 23 C / 48 %  
EUT: Subwoofer Amplifier  
Mode: TX Channel 11(802.11b)  
Model: SPA2400DSP  
Manufacturer: PARTS

Polarization: Vertical  
Power Source: AC 120V/60Hz  
Date: 2015/08/22  
Time: 16:06:38  
Engineer Signature:  
Distance: 3m

Note: Report No.:ATE20151750



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.

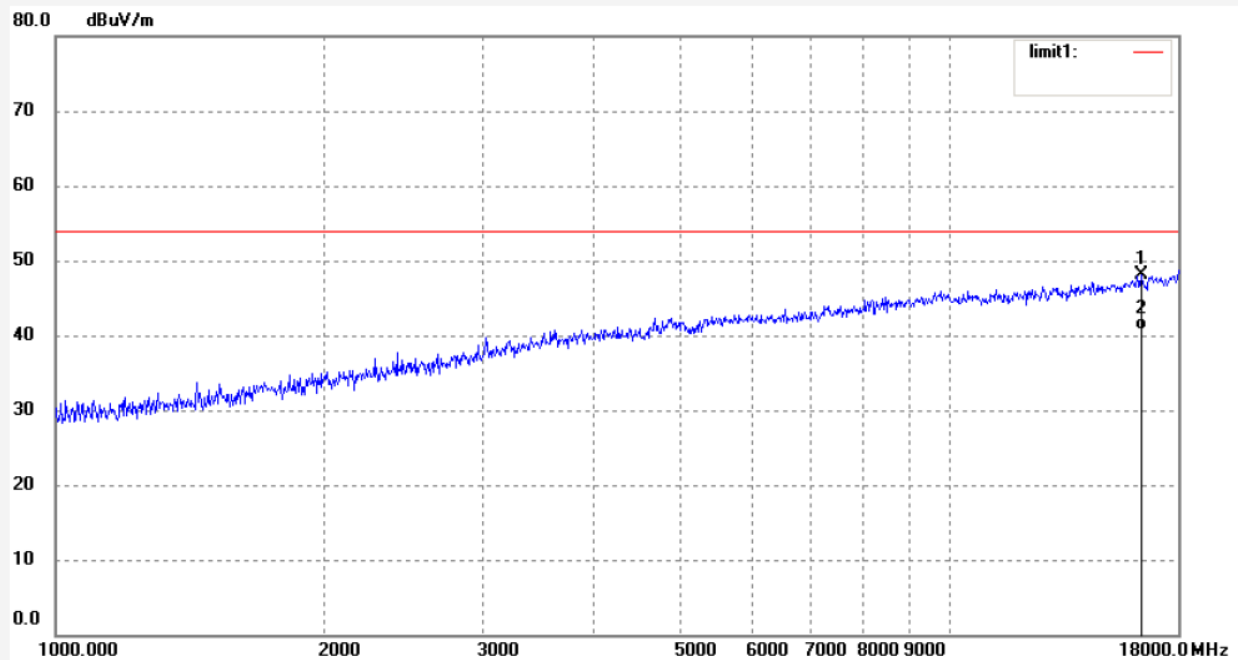
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,  
Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: star2015 #586  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 25 C / 55 %  
EUT: Subwoofer Amplifier  
Mode: TX Channel 1(802.11b)  
Model: SPA2400DSP  
Manufacturer: PARTS

Polarization: Horizontal  
Power Source: AC 120V/60Hz  
Date: 15/08/23/  
Time: 9/53/36  
Engineer Signature: STAR  
Distance: 3m

Note: Report No.:ATE20151750

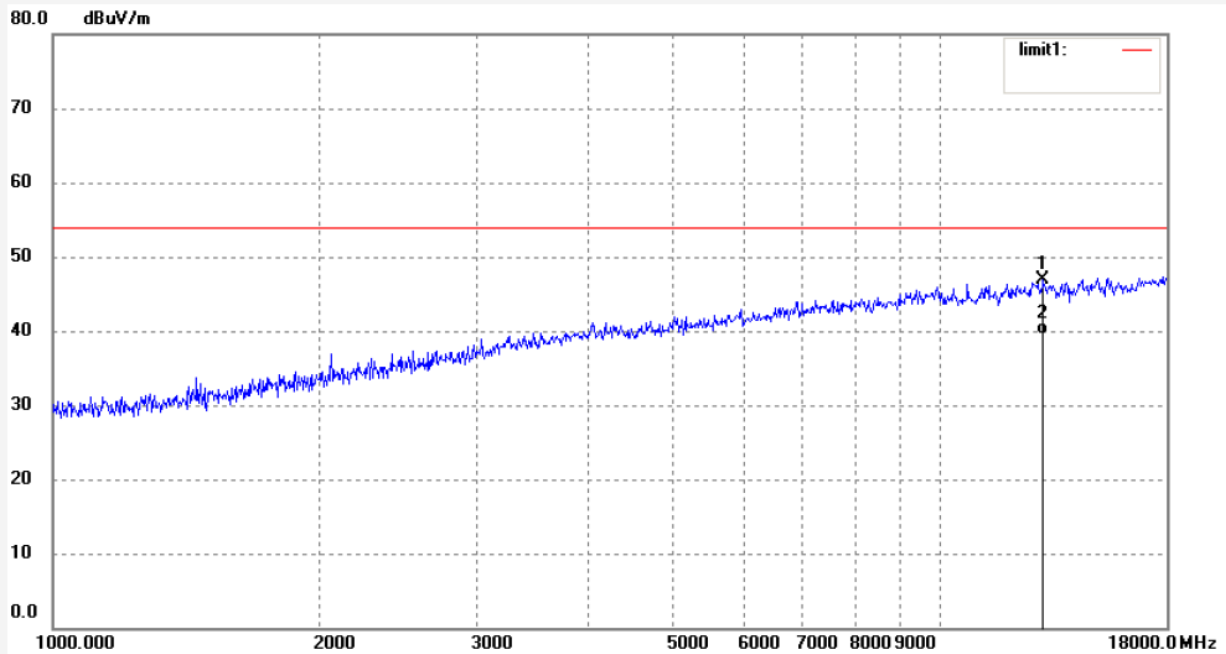


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	16362.457	36.10	12.01	48.11	74.00	-25.89	peak			
2	16362.457	28.63	12.01	40.64	54.00	-13.36	AVG			

Job No.: star2015 #585  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 25 C / 55 %  
EUT: Subwoofer Amplifier  
Mode: TX Channel 1(802.11b)  
Model: SPA2400DSP  
Manufacturer: PARTS

Polarization: Vertical  
Power Source: AC 120V/60Hz  
Date: 15/08/23/  
Time: 9/50/52  
Engineer Signature: STAR  
Distance: 3m

Note: Report No.:ATE20151750



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	AVG			





## ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

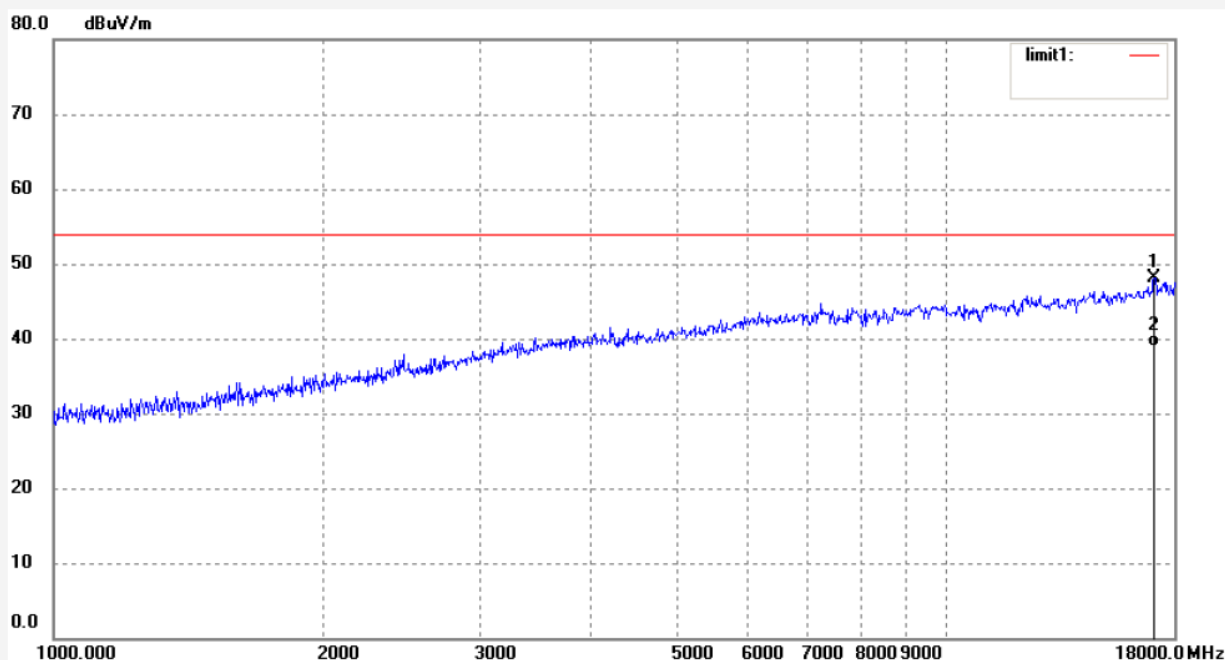
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star2015 #587  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 25 C / 55 %  
EUT: Subwoofer Amplifier  
Mode: TX Channel 6(802.11b)  
Model: SPA2400DSP  
Manufacturer: PARTS

Polarization: Horizontal  
Power Source: AC 120V/60Hz  
Date: 15/08/23/  
Time: 9/57/56  
Engineer Signature: STAR  
Distance: 3m

Note: Report No.:ATE20151750

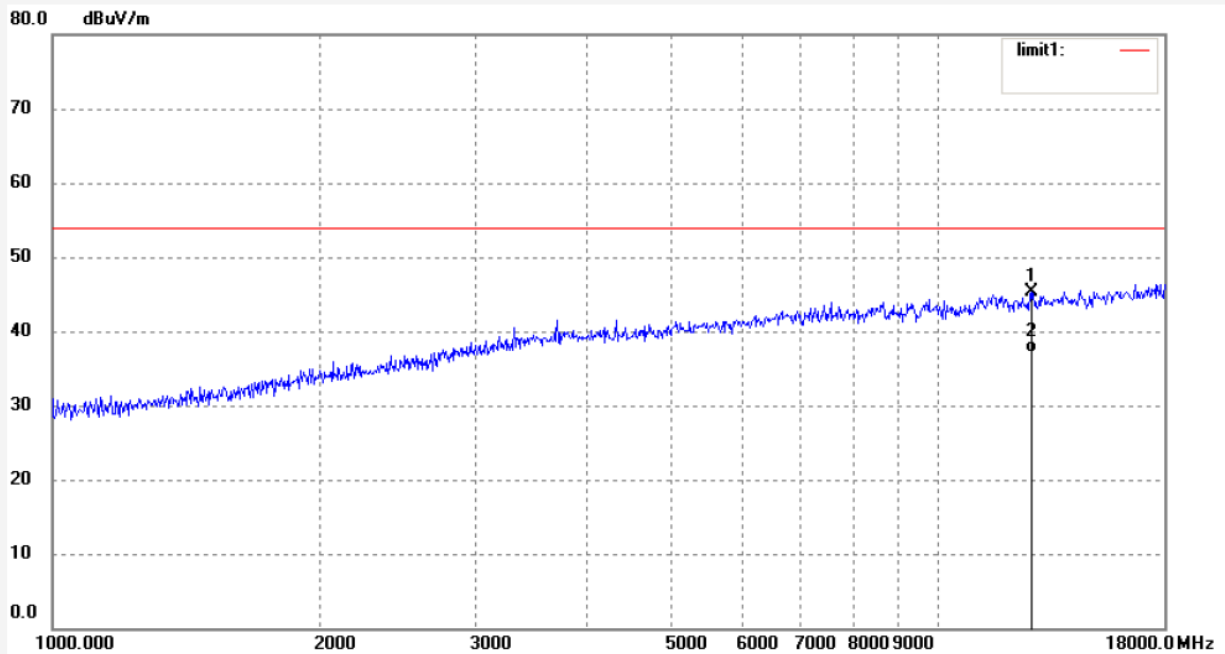


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	17087.464	33.87	14.19	48.06	74.00	-25.94	peak			
2	17087.464	24.70	14.19	38.89	54.00	-15.11	AVG			

Job No.: star2015 #588  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 25 C / 55 %  
EUT: Subwoofer Amplifier  
Mode: TX Channel 6(802.11b)  
Model: SPA2400DSP  
Manufacturer: PARTS

Polarization: Vertical  
Power Source: AC 120V/60Hz  
Date: 15/08/23/  
Time: 10/01/39  
Engineer Signature: STAR  
Distance: 3m

Note: Report No.:ATE20151750

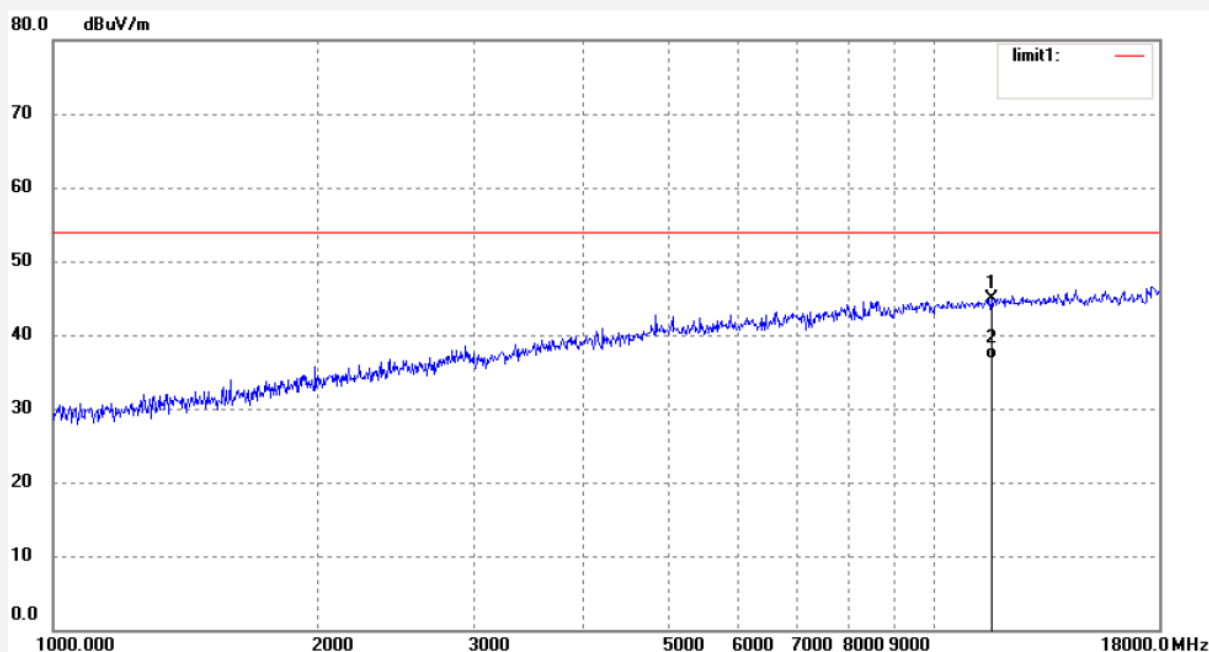


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	12724.473	37.77	7.49	45.26	74.00	-28.74	peak			
2	12724.473	29.68	7.49	37.17	54.00	-16.83	AVG			

Job No.: star2015 #590  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 25 C / 55 %  
EUT: Subwoofer Amplifier  
Mode: TX Channel 11(802.11b)  
Model: SPA2400DSP  
Manufacturer: PARTS

Polarization: Horizontal  
Power Source: AC 120V/60Hz  
Date: 15/08/23/  
Time: 10/07/56  
Engineer Signature: STAR  
Distance: 3m

Note: Report No.:ATE20151750

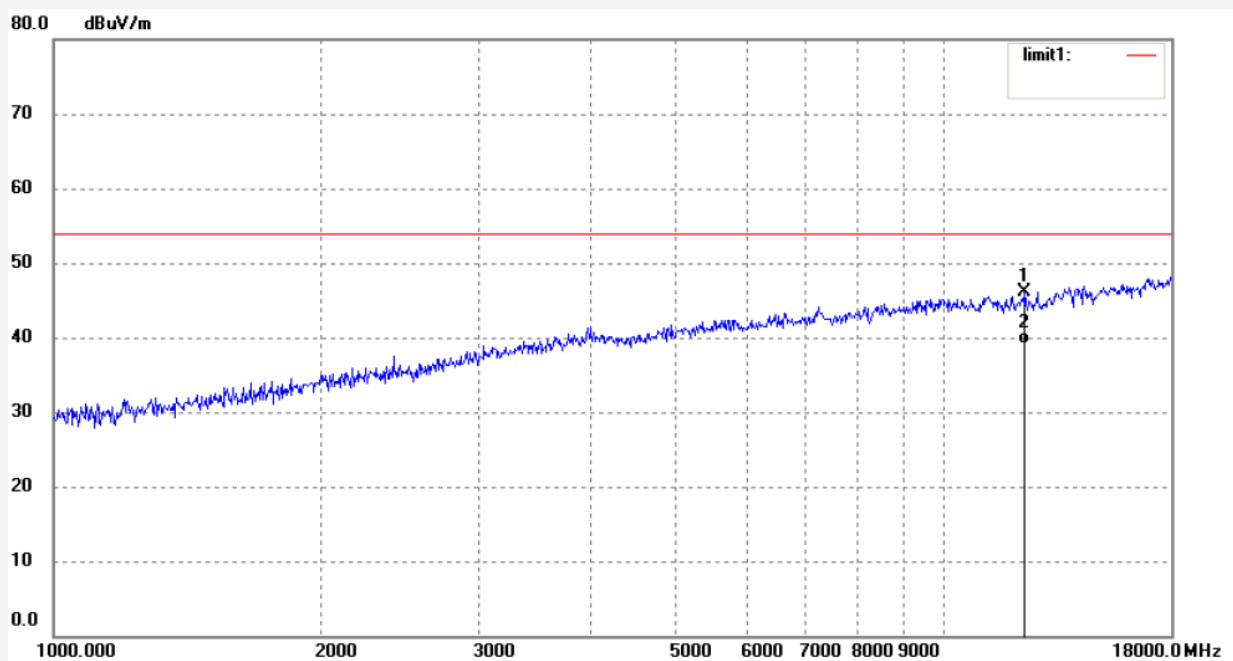


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	11600.350	38.77	6.14	44.91	74.00	-29.09	peak			
2	11600.350	30.55	6.14	36.69	54.00	-17.31	AVG			

Job No.: star2015 #589  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 25 C / 55 %  
EUT: Subwoofer Amplifier  
Mode: TX Channel 11(802.11b)  
Model: SPA2400DSP  
Manufacturer: PARTS

Polarization: Vertical  
Power Source: AC 120V/60Hz  
Date: 15/08/23/  
Time: 10/04/22  
Engineer Signature: STAR  
Distance: 3m

Note: Report No.:ATE20151750

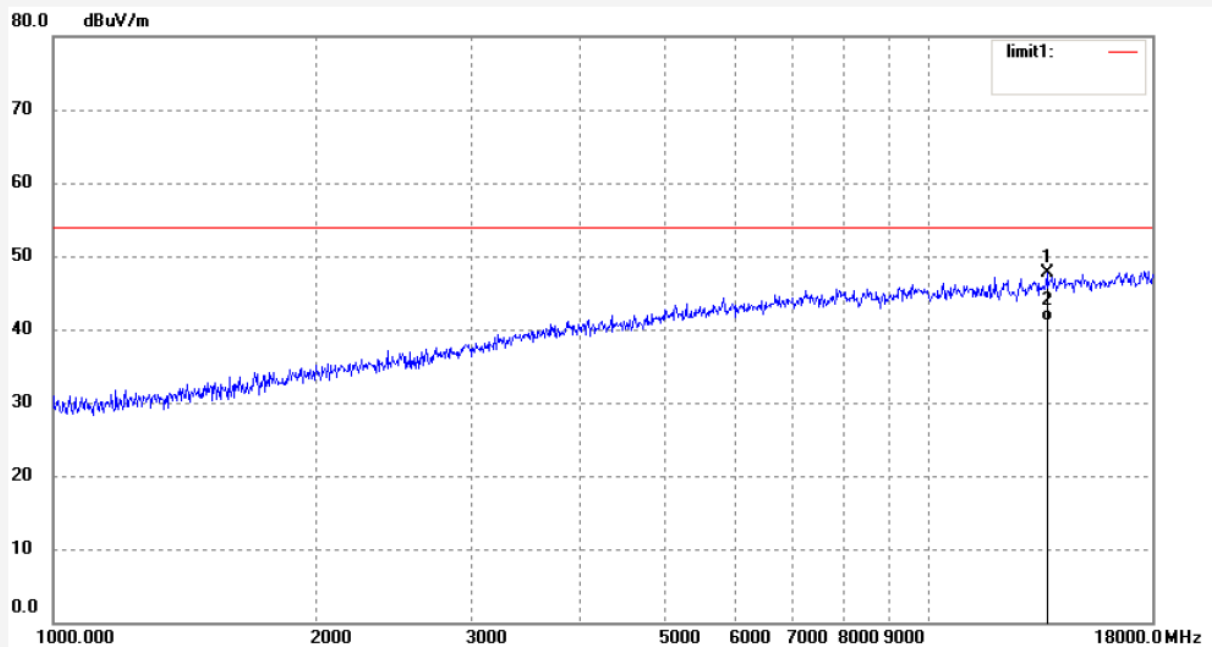


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	12326.274	39.21	6.93	46.14	74.00	-27.86	peak			
2	12326.274	32.19	6.93	39.12	54.00	-14.88	AVG			

Job No.: star2015 #591  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 25 C / 55 %  
EUT: Subwoofer Amplifier  
Mode: TX Channel 1(802.11g)  
Model: SPA2400DSP  
Manufacturer: PARTS

Polarization: Horizontal  
Power Source: AC 120V/60Hz  
Date: 15/08/23/  
Time: 10/11/47  
Engineer Signature: STAR  
Distance: 3m

Note: Report No.:ATE20151750

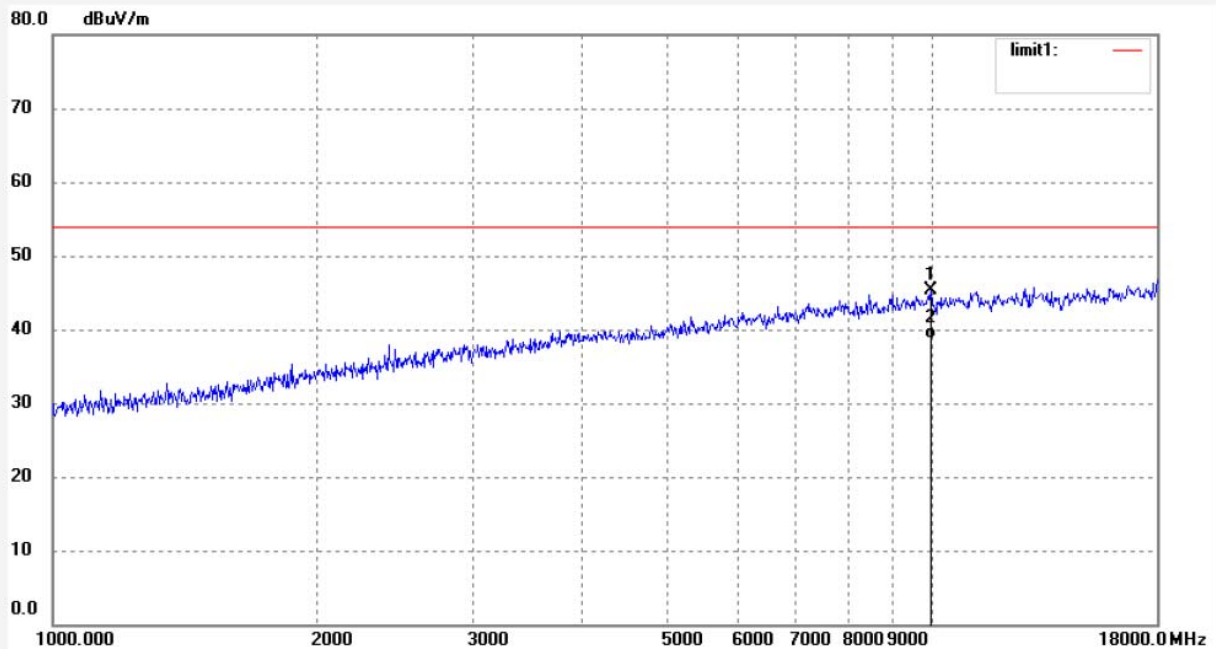


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	13638.492	38.23	9.43	47.66	74.00	-26.34	peak			
2	13638.492	31.67	9.43	41.10	54.00	-12.90	AVG			

Job No.: star2015 #592  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 25 C / 55 %  
EUT: Subwoofer Amplifier  
Mode: TX Channel 1(802.11g)  
Model: SPA2400DSP  
Manufacturer: PARTS

Polarization: Vertical  
Power Source: AC 120V/60Hz  
Date: 15/08/23/  
Time: 10/15/30  
Engineer Signature: STAR  
Distance: 3m

Note: Report No.:ATE20151750

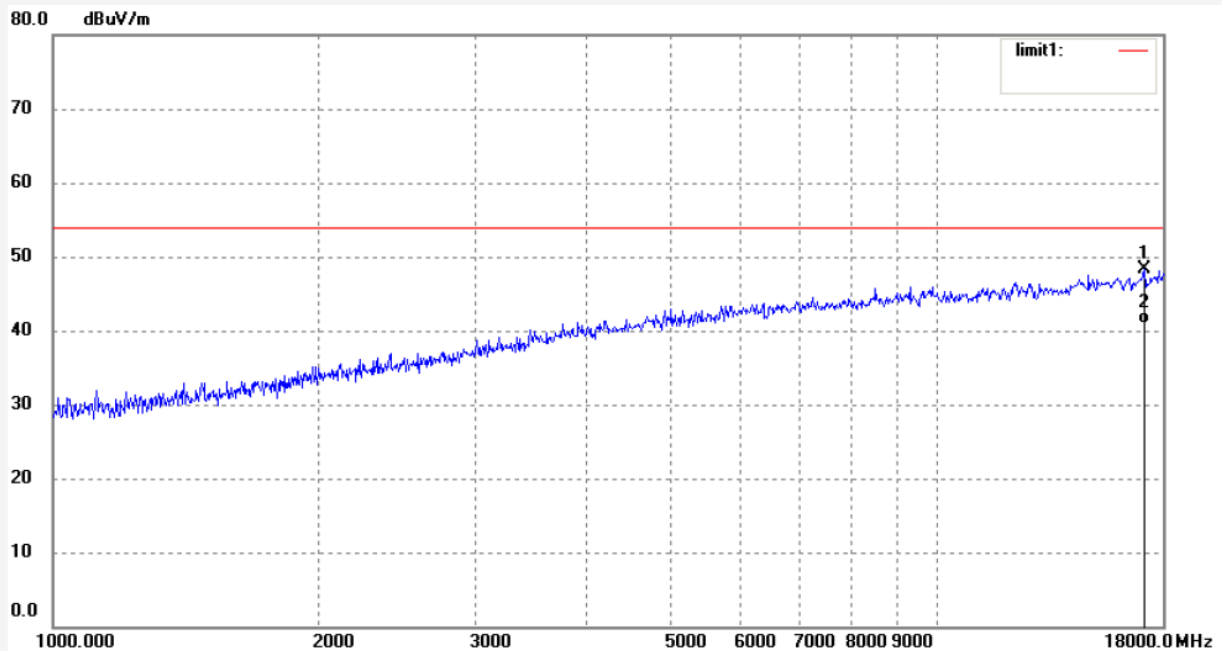


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	9952.717	40.10	5.27	45.37	74.00	-28.63	peak			
2	9952.717	33.47	5.27	38.74	54.00	-15.26	AVG			

Job No.: star2015 #594  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 25 C / 55 %  
EUT: Subwoofer Amplifier  
Mode: TX Channel 6(802.11g)  
Model: SPA2400DSP  
Manufacturer: PARTS

Polarization: Horizontal  
Power Source: AC 120V/60Hz  
Date: 15/08/23/  
Time: 10/22/46  
Engineer Signature: STAR  
Distance: 3m

Note: Report No.:ATE20151750

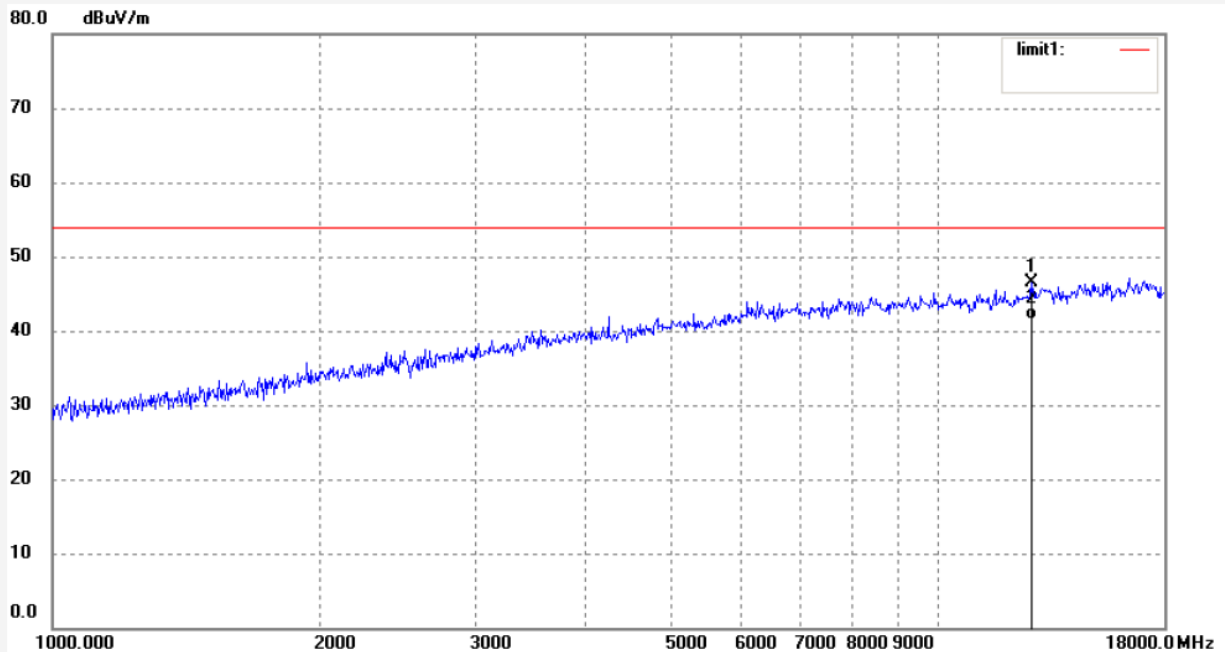


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	17136.924	33.81	14.42	48.23	74.00	-25.77	peak			
2	17136.924	26.40	14.42	40.82	54.00	-13.18	AVG			

Job No.: star2015 #593  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 25 C / 55 %  
EUT: Subwoofer Amplifier  
Mode: TX Channel 6(802.11g)  
Model: SPA2400DSP  
Manufacturer: PARTS

Polarization: Vertical  
Power Source: AC 120V/60Hz  
Date: 15/08/23/  
Time: 10/18/10  
Engineer Signature: STAR  
Distance: 3m

Note: Report No.:ATE20151750



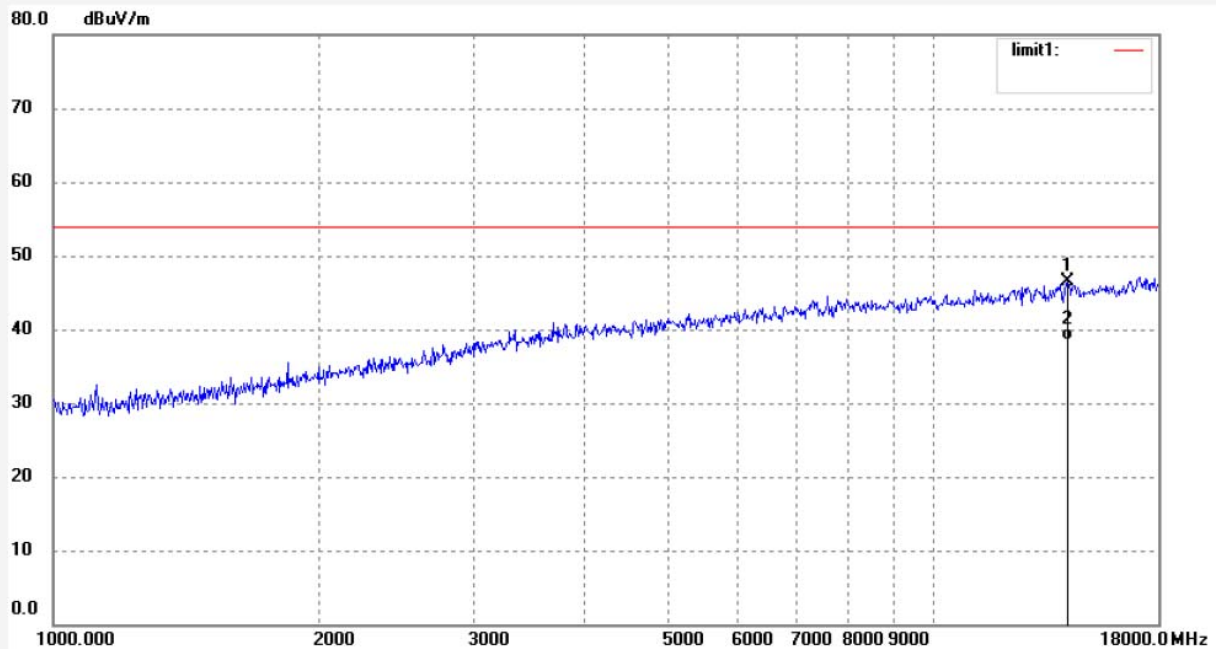
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1	12724.473	39.03	7.49	46.52	74.00	-27.48	peak			
2	12724.473	34.00	7.49	41.49	54.00	-12.51	AVG			



Job No.: star2015 #595  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 25 C / 55 %  
EUT: Subwoofer Amplifier  
Mode: TX Channel 11(802.11g)  
Model: SPA2400DSP  
Manufacturer: PARTS

Polarization: Horizontal  
Power Source: AC 120V/60Hz  
Date: 15/08/23/  
Time: 10/26/23  
Engineer Signature: STAR  
Distance: 3m

Note: Report No.:ATE20151750

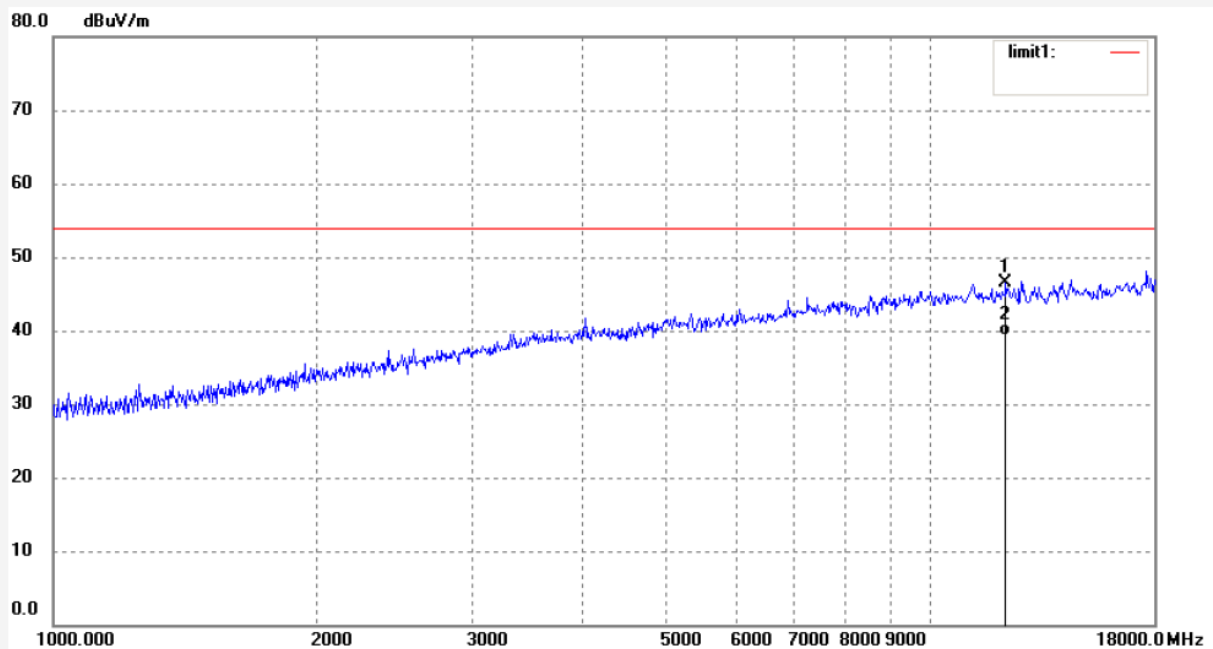


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	14201.694	34.99	11.45	46.44	74.00	-27.56	peak			
2	14201.694	26.96	11.45	38.41	54.00	-15.59	AVG			

Job No.: star2015 #596  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 25 C / 55 %  
EUT: Subwoofer Amplifier  
Mode: TX Channel 11(802.11g)  
Model: SPA2400DSP  
Manufacturer: PARTS

Polarization: Vertical  
Power Source: AC 120V/60Hz  
Date: 15/08/23/  
Time: 10/30/06  
Engineer Signature: STAR  
Distance: 3m

Note: Report No.:ATE20151750

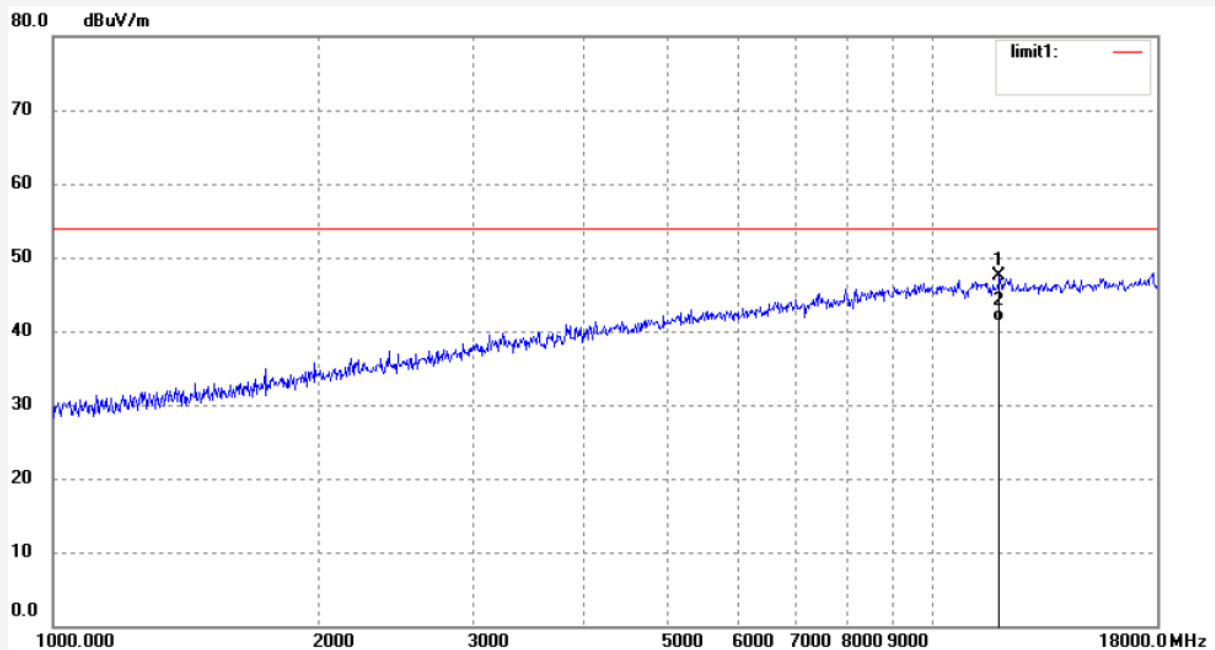


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	12184.584	39.73	6.73	46.46	74.00	-27.54	peak			
2	12184.584	32.58	6.73	39.31	54.00	-14.69	AVG			

Job No.: star2015 #598  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 25 C / 55 %  
EUT: Subwoofer Amplifier  
Mode: TX Channel 1(802.11n)  
Model: SPA2400DSP  
Manufacturer: PARTS

Polarization: Horizontal  
Power Source: AC 120V/60Hz  
Date: 15/08/23/  
Time: 10/37/11  
Engineer Signature: STAR  
Distance: 3m

Note: Report No.:ATE20151750

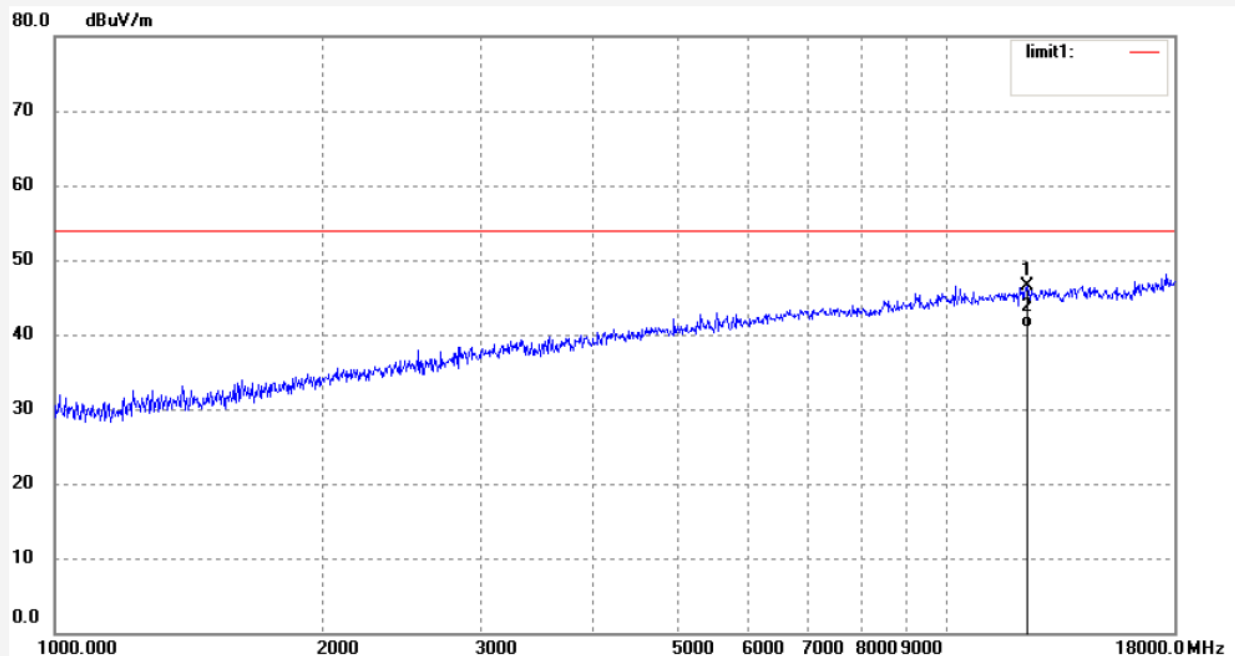


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	11906.073	41.10	6.41	47.51	74.00	-26.49	peak			
2	11906.073	34.90	6.41	41.31	54.00	-12.69	AVG			

Job No.: star2015 #597  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 25 C / 55 %  
EUT: Subwoofer Amplifier  
Mode: TX Channel 1(802.11n)  
Model: SPA2400DSP  
Manufacturer: PARTS

Polarization: Vertical  
Power Source: AC 120V/60Hz  
Date: 15/08/23/  
Time: 10/33/04  
Engineer Signature: STAR  
Distance: 3m

Note: Report No.:ATE20151750

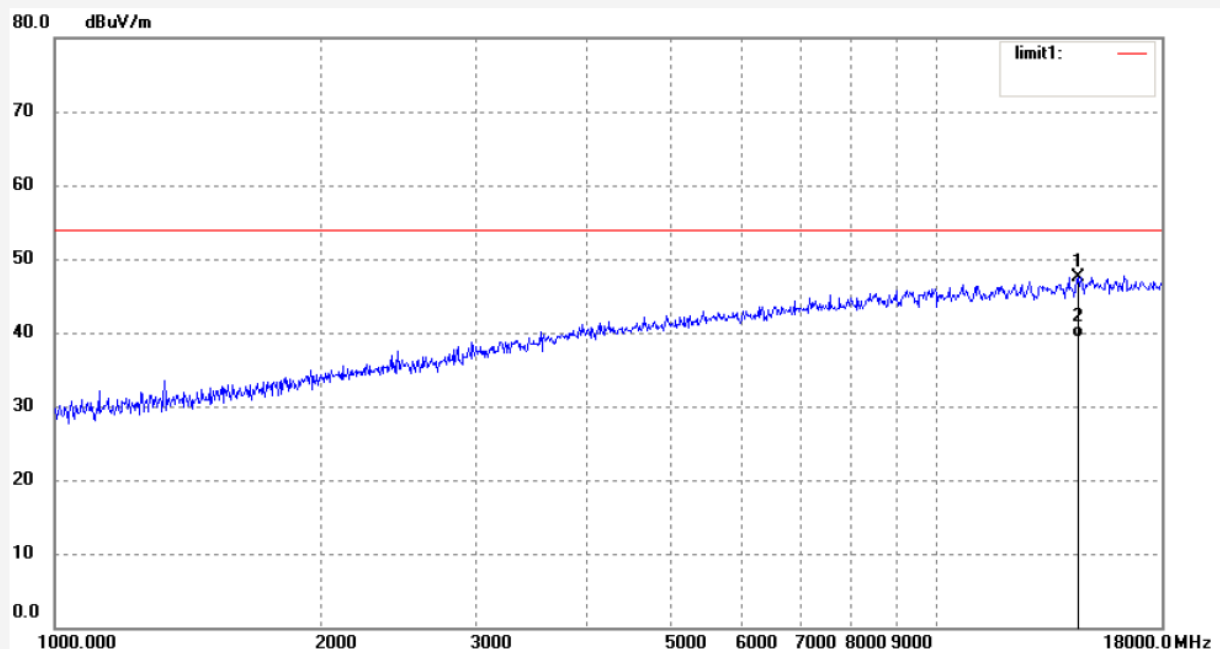


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	12290.698	39.68	6.88	46.56	74.00	-27.44	peak			
2	12290.698	34.10	6.88	40.98	54.00	-13.02	AVG			

Job No.: star2015 #599  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 25 C / 55 %  
EUT: Subwoofer Amplifier  
Mode: TX Channel 6(802.11n)  
Model: SPA2400DSP  
Manufacturer: PARTS

Polarization: Horizontal  
Power Source: AC 120V/60Hz  
Date: 15/08/23/  
Time: 10/41/59  
Engineer Signature: STAR  
Distance: 3m

Note: Report No.:ATE20151750

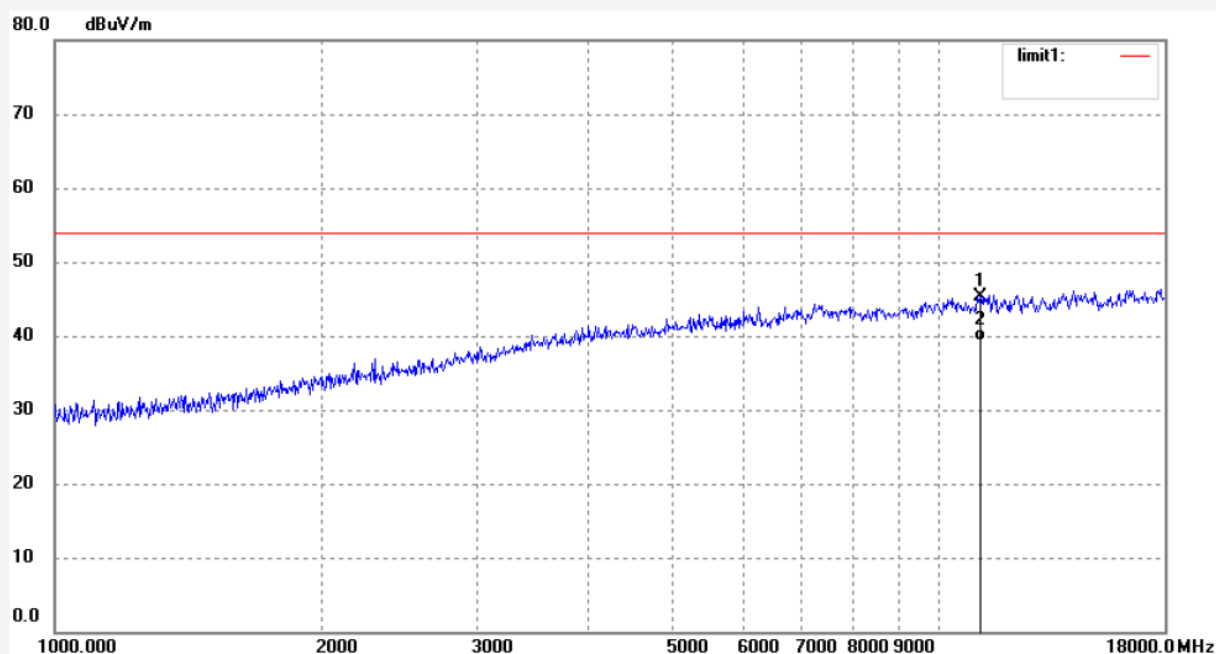


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	14491.958	34.55	12.95	47.50	74.00	-26.50	peak			
2	14491.958	26.39	12.95	39.34	54.00	-14.66	AVG			

Job No.: star2015 #600  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 25 C / 55 %  
EUT: Subwoofer Amplifier  
Mode: TX Channel 6(802.11n)  
Model: SPA2400DSP  
Manufacturer: PARTS

Polarization: Vertical  
Power Source: AC 120V/60Hz  
Date: 15/08/23/  
Time: 10/45/49  
Engineer Signature: STAR  
Distance: 3m

Note: Report No.:ATE20151750

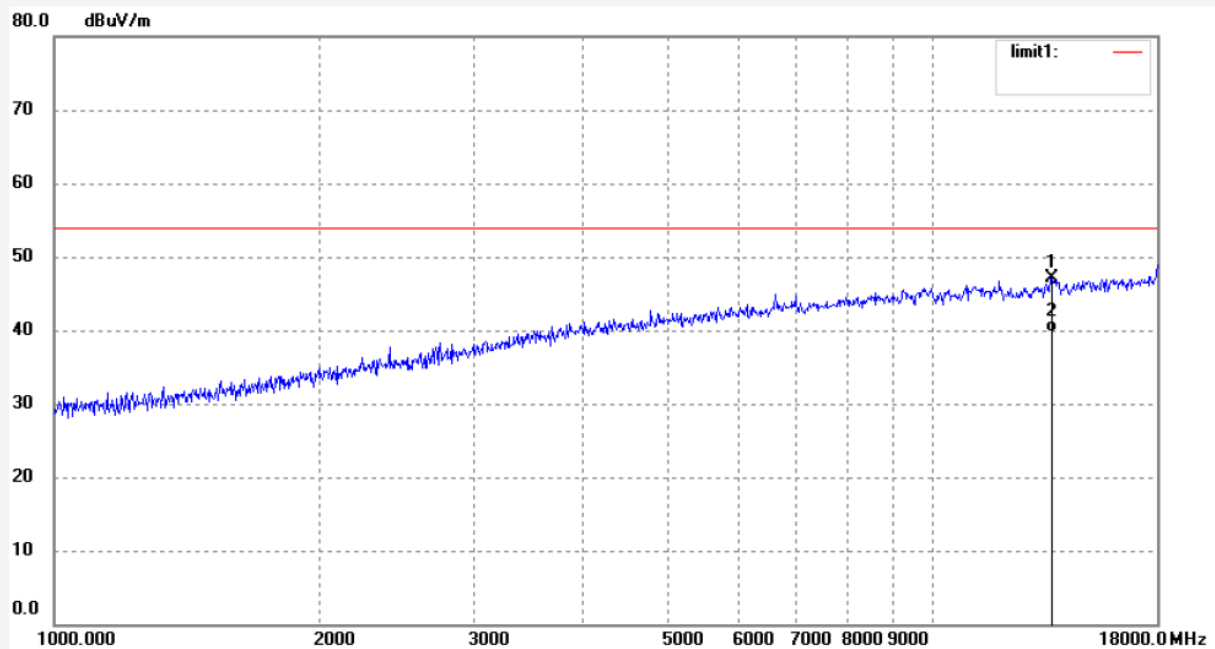


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	11140.310	39.73	5.65	45.38	74.00	-28.62	peak			
2	11140.310	33.69	5.65	39.34	54.00	-14.66	AVG			

Job No.: star2015 #601  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 25 C / 55 %  
EUT: Subwoofer Amplifier  
Mode: TX Channel 11(802.11n)  
Model: SPA2400DSP  
Manufacturer: PARTS

Polarization: Horizontal  
Power Source: AC 120V/60Hz  
Date: 15/08/23/  
Time: 10/49/38  
Engineer Signature: STAR  
Distance: 3m

Note: Report No.:ATE20151750

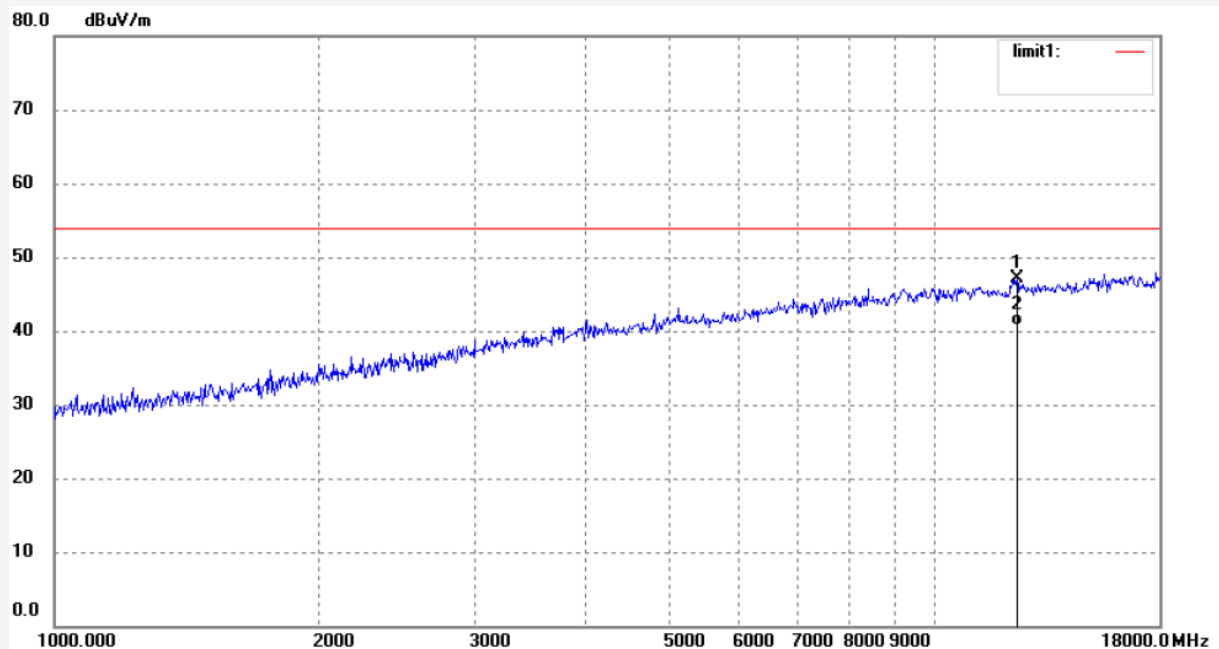


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	13638.492	37.75	9.43	47.18	74.00	-26.82	peak			
2	13638.492	30.20	9.43	39.63	54.00	-14.37	AVG			

Job No.: star2015 #602  
Standard: FCC Class B 3M Radiated  
Test item: Radiation Test  
Temp.( C)/Hum.(%) 25 C / 55 %  
EUT: Subwoofer Amplifier  
Mode: TX Channel 11(802.11n)  
Model: SPA2400DSP  
Manufacturer: PARTS

Polarization: Vertical  
Power Source: AC 120V/60Hz  
Date: 15/08/23/  
Time: 10/53/26  
Engineer Signature: STAR  
Distance: 3m

Note: Report No.:ATE20151750



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	AVG			



Job No.: star2015 #604

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Subwoofer Amplifier

Mode: TX Channel 3(802.11n)40MHz

Model: SPA2400DSP

Manufacturer: PARTS

Polarization: Horizontal

Power Source: AC 120V/60Hz

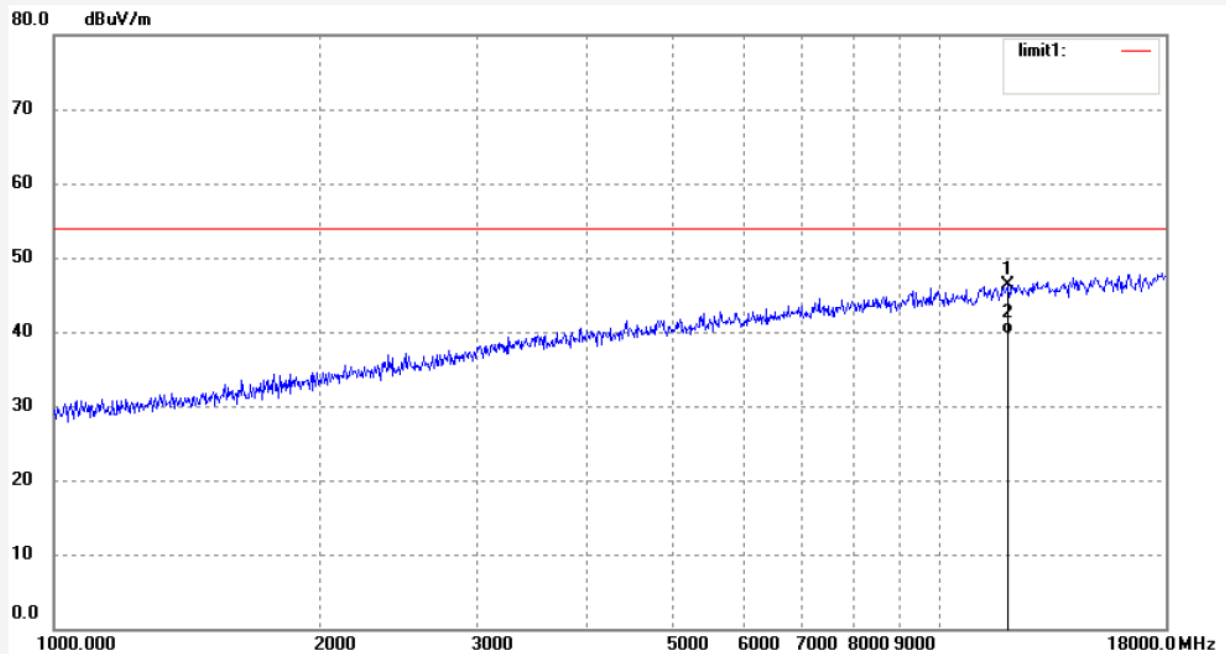
Date: 15/08/23/

Time: 10/59/03

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20151750



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	AVG			

Job No.: star2015 #603

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Subwoofer Amplifier

Mode: TX Channel 3(802.11n)40MHz

Model: SPA2400DSP

Manufacturer: PARTS

Polarization: Vertical

Power Source: AC 120V/60Hz

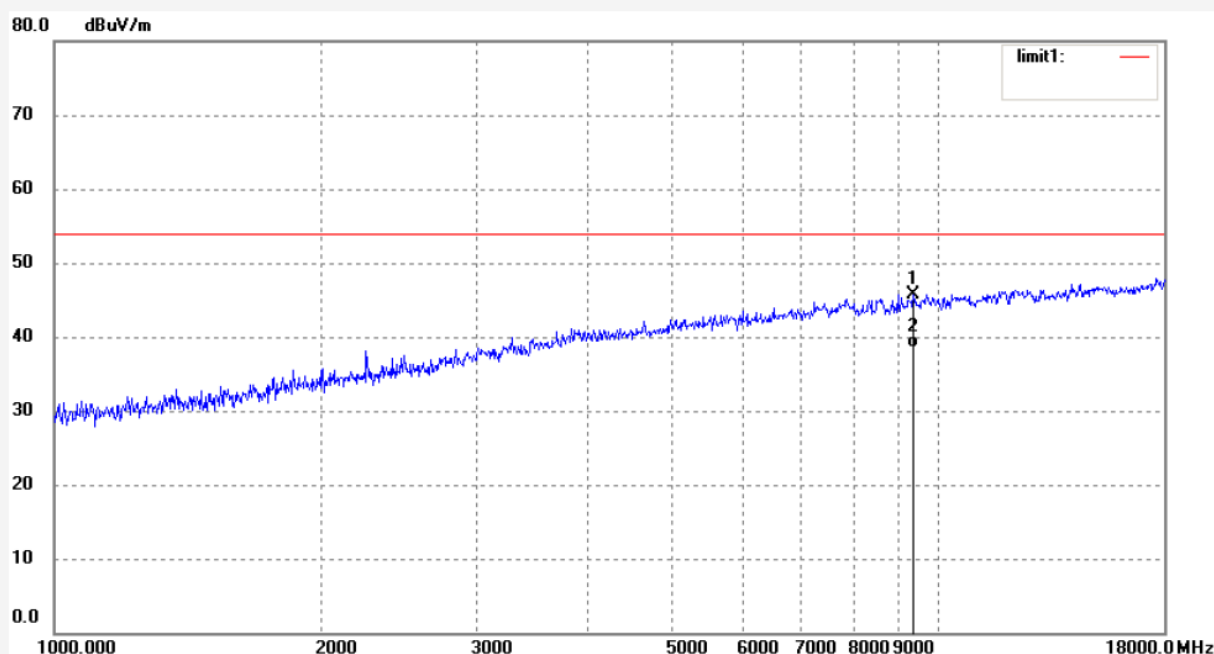
Date: 15/08/23/

Time: 10/56/25

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20151750



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	AVG			

Job No.: star2015 #605

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Subwoofer Amplifier

Mode: TX Channel 6(802.11n)40MHz

Model: SPA2400DSP

Manufacturer: PARTS

Polarization: Horizontal

Power Source: AC 120V/60Hz

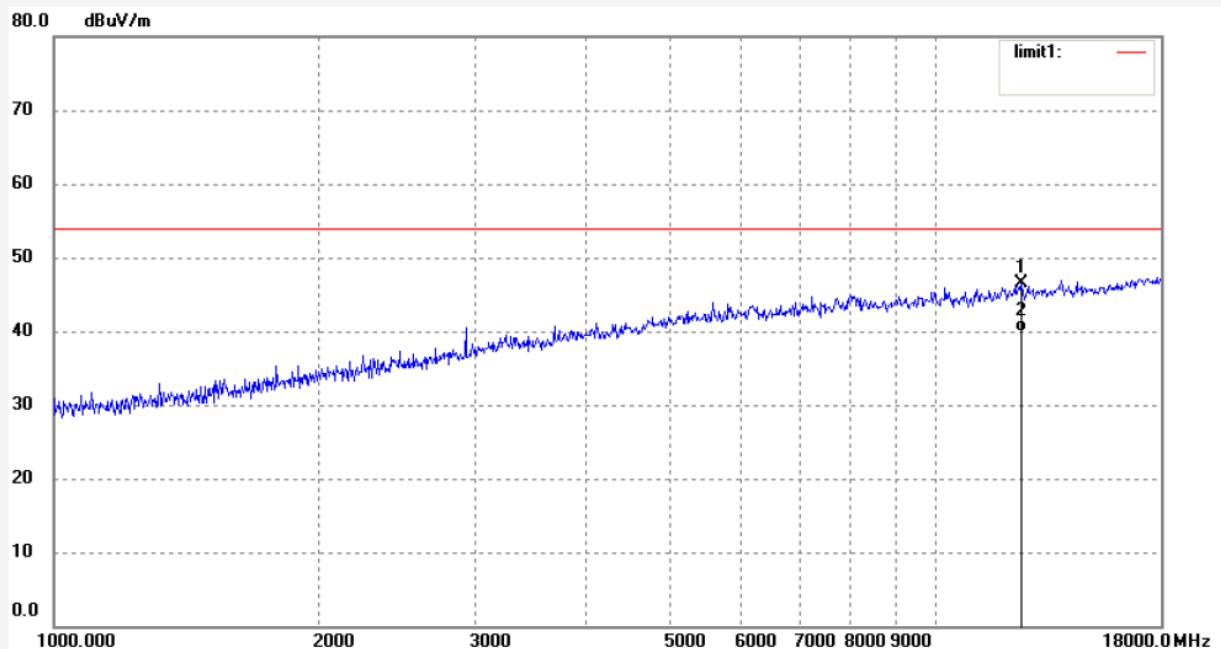
Date: 15/08/23/

Time: 11/03/04

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20151750



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	AVG			

Job No.: star2015 #606

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Subwoofer Amplifier

Mode: TX Channel 6(802.11n)40MHz

Model: SPA2400DSP

Manufacturer: PARTS

Polarization: Vertical

Power Source: AC 120V/60Hz

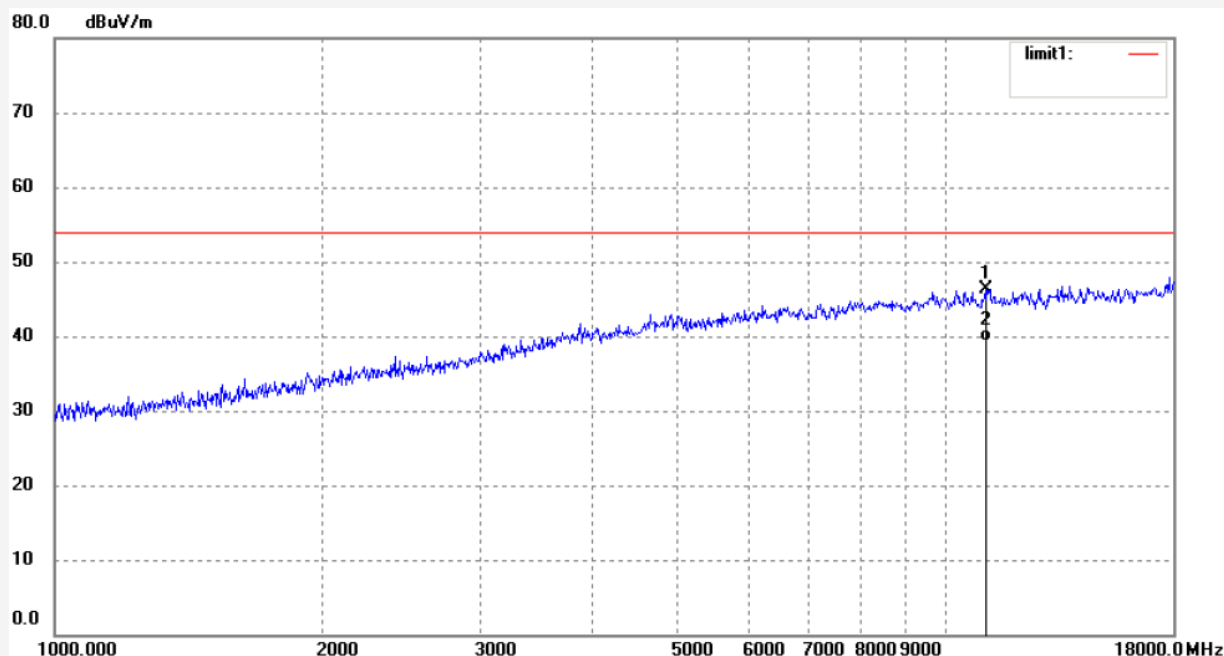
Date: 15/08/23/

Time: 11/08/22

Engineer Signature: STAR

Distance: 3m

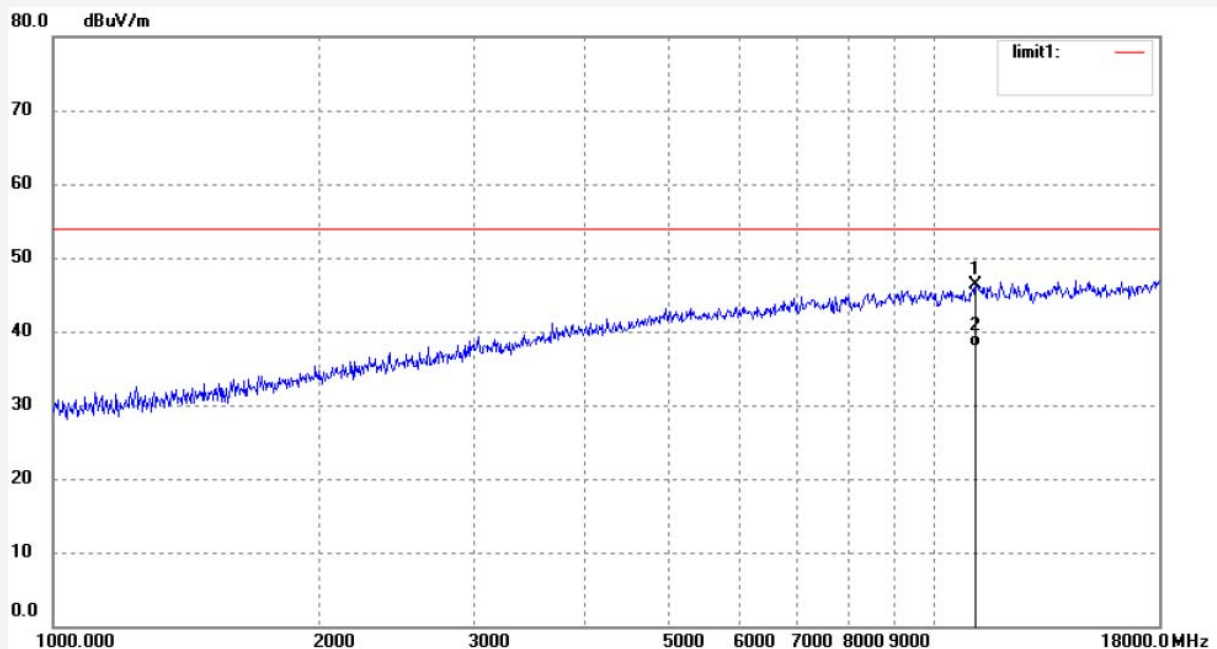
Note: Report No.:ATE20151750



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	AVG			

Job No.: star2015 #608	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: AC 120V/60Hz
Test item: Radiation Test	Date: 15/08/23/
Temp.( C)/Hum.(%) 25 C / 55 %	Time: 11/16/17
EUT: Subwoofer Amplifier	Engineer Signature: STAR
Mode: TX Channel 9(802.11n)40MHz	Distance: 3m
Model: SPA2400DSP	
Manufacturer: PARTS	

Note: Report No.:ATE20151750



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	AVG			

Job No.: star2015 #607

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Subwoofer Amplifier

Mode: TX Channel 9(802.11n)40MHz

Model: SPA2400DSP

Manufacturer: PARTS

Polarization: Vertical

Power Source: AC 120V/60Hz

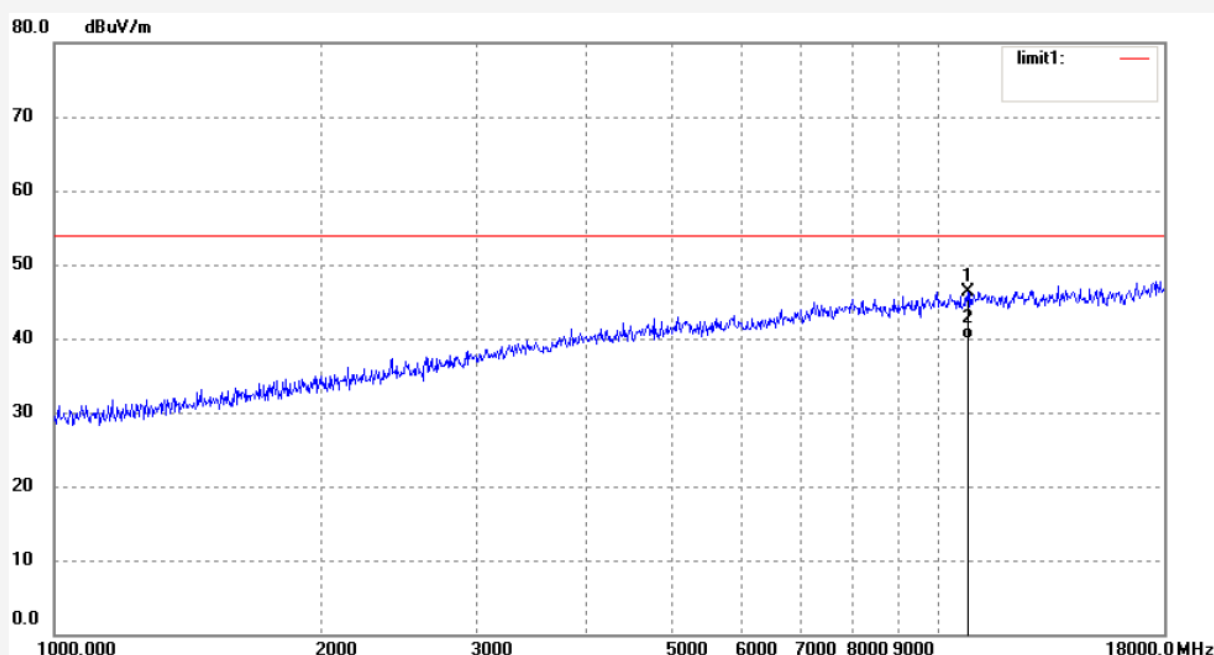
Date: 15/08/23/

Time: 11/12/17

Engineer Signature: STAR

Distance: 3m

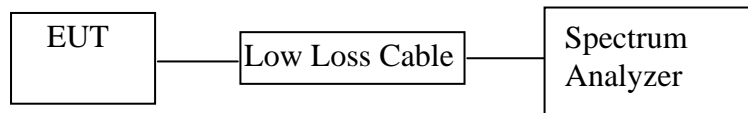
Note: Report No.:ATE20151750



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	AVG			

## 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.

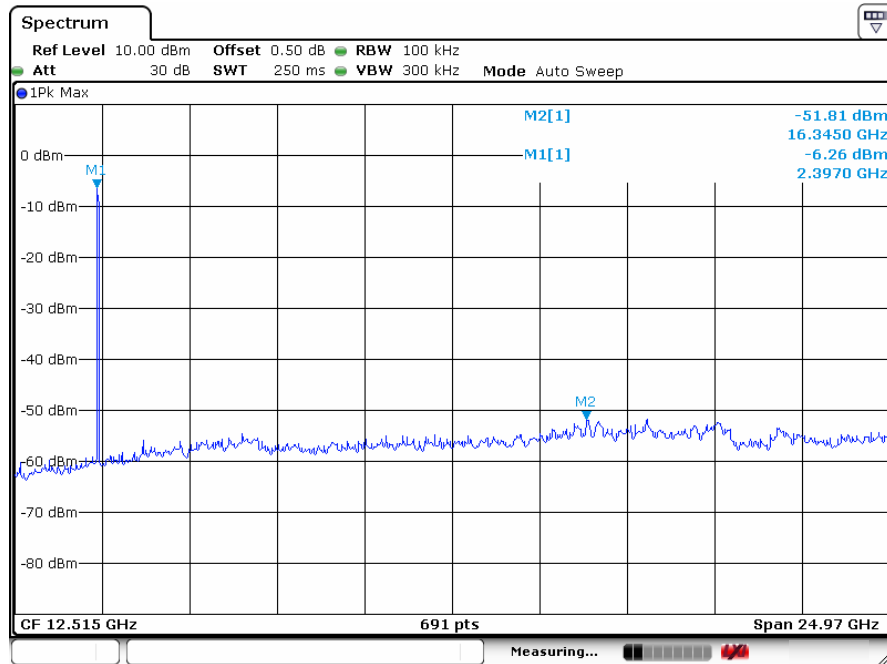
## 11.6. Test Result

**Pass.**

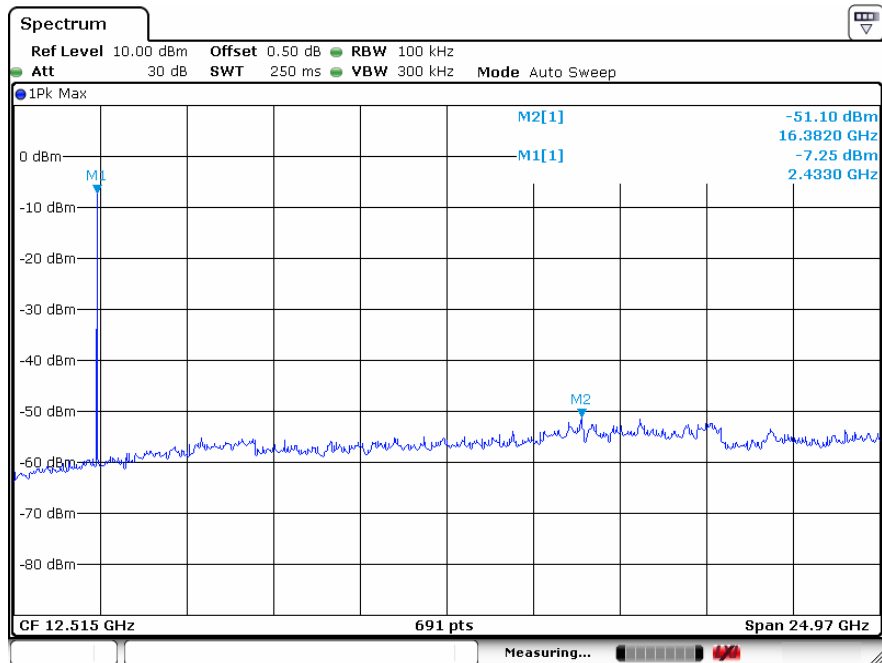
The spectrum analyzer plots are attached as below.



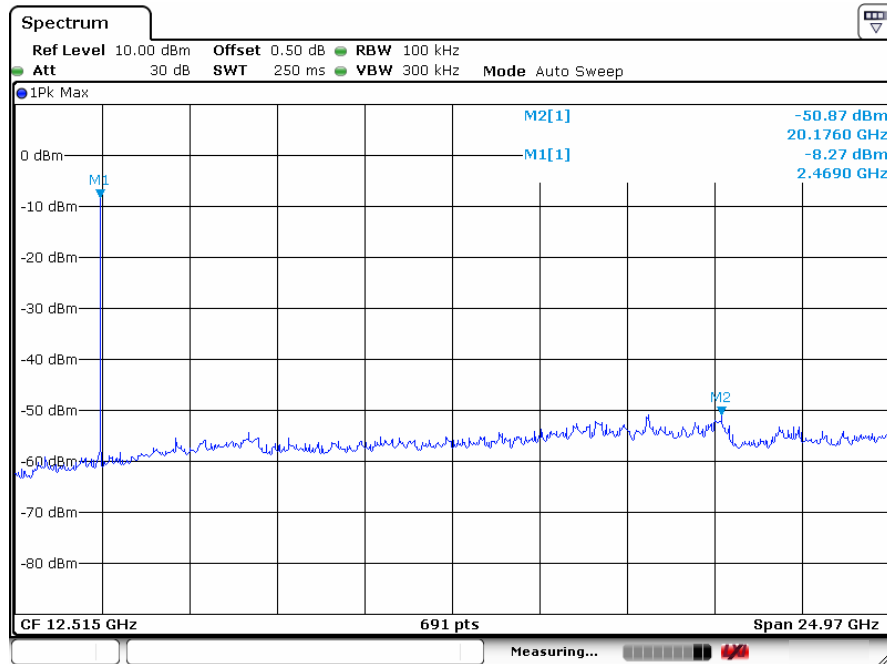
## TX 802.11b Channel Low 2412MHz



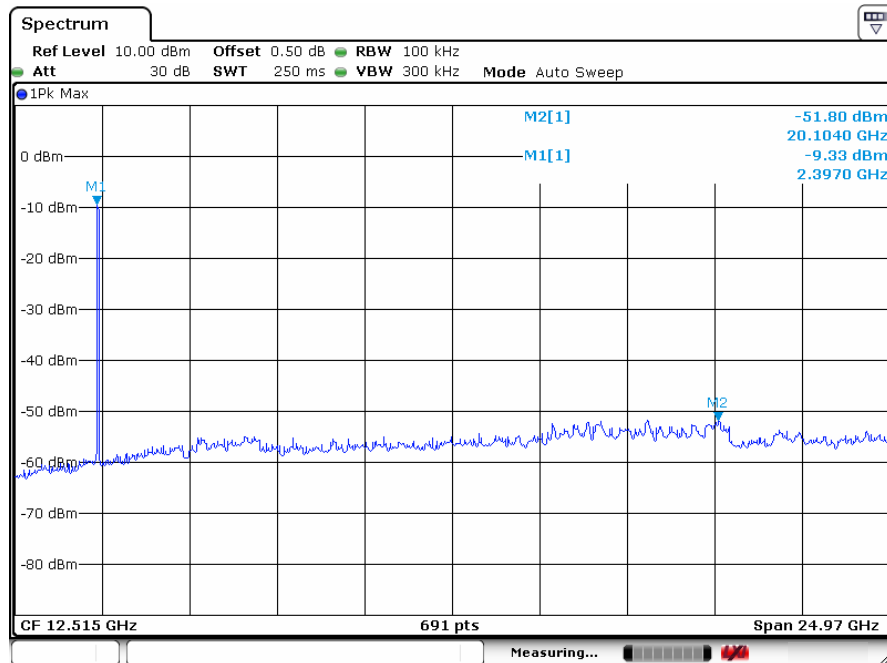
## TX 802.11b Channel Middle 2437MHz



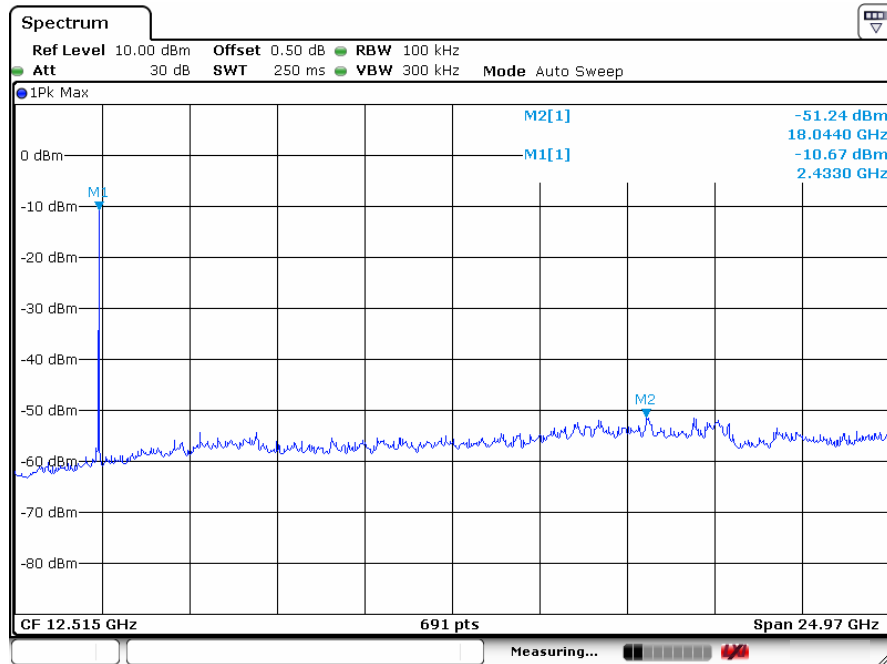
## TX 802.11b Channel High 2462MHz



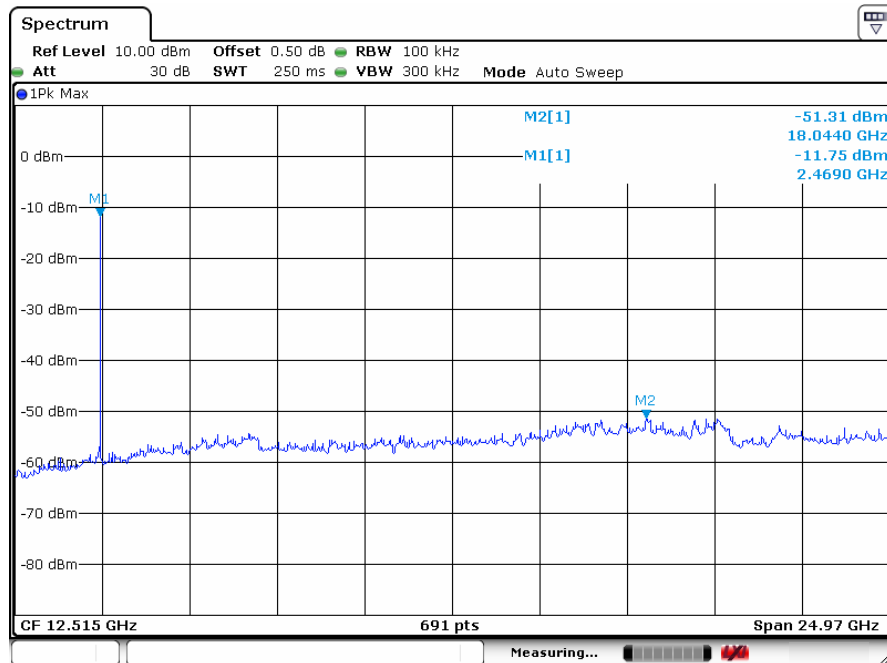
## TX 802.11g Channel Low 2412MHz



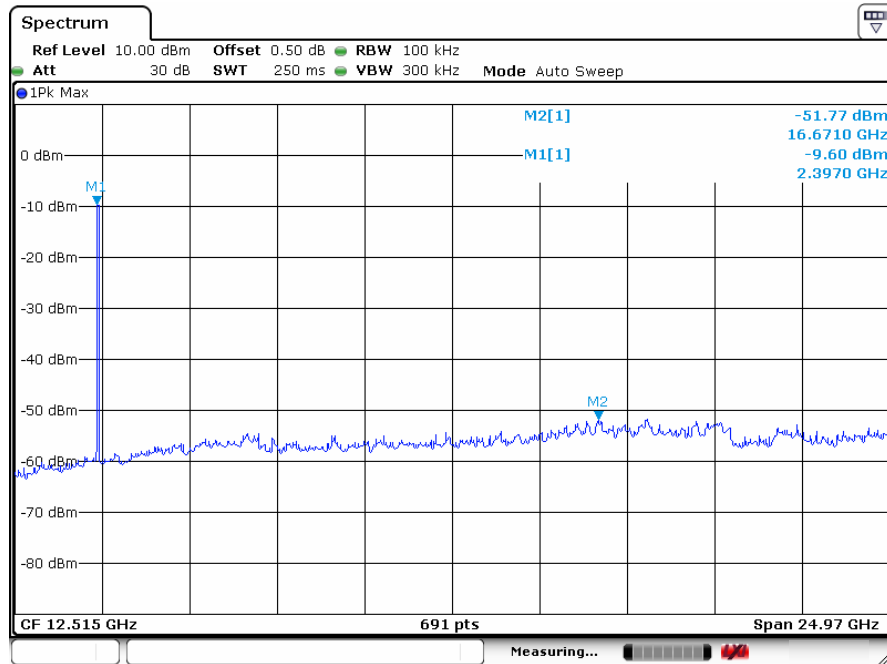
### TX 802.11g Channel Middle 2437MHz



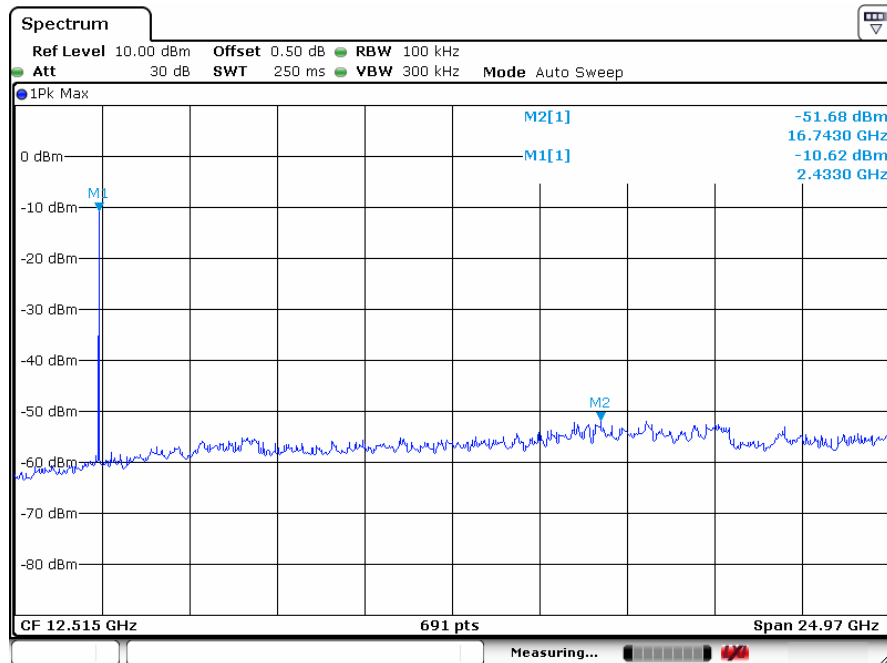
### TX 802.11g Channel High 2462MHz



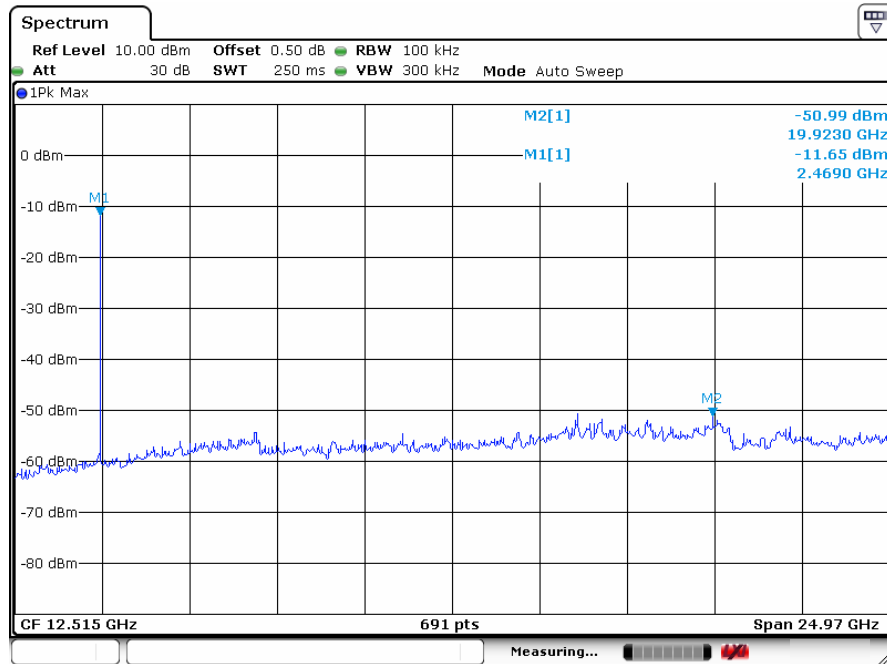
### TX 802.11n Channel Low 2412MHz (20MHz)



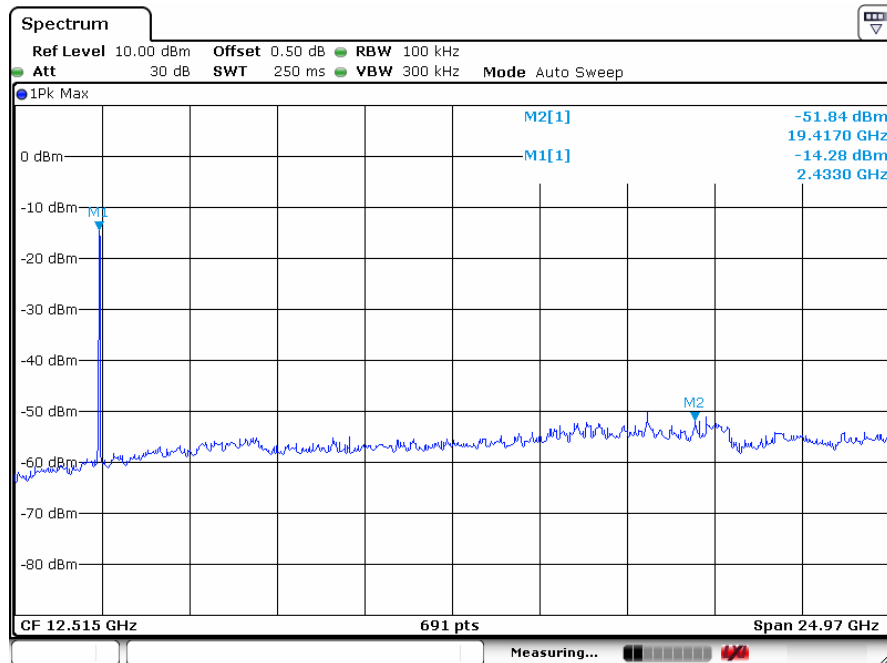
### TX 802.11n Channel Middle 2437MHz (20MHz)



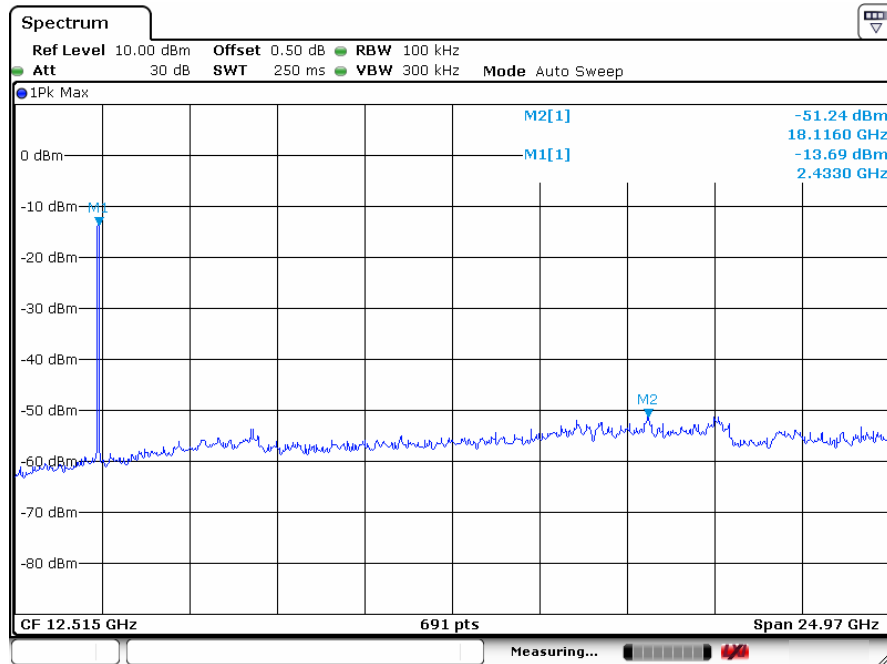
### TX 802.11n Channel High 2462MHz (20MHz)



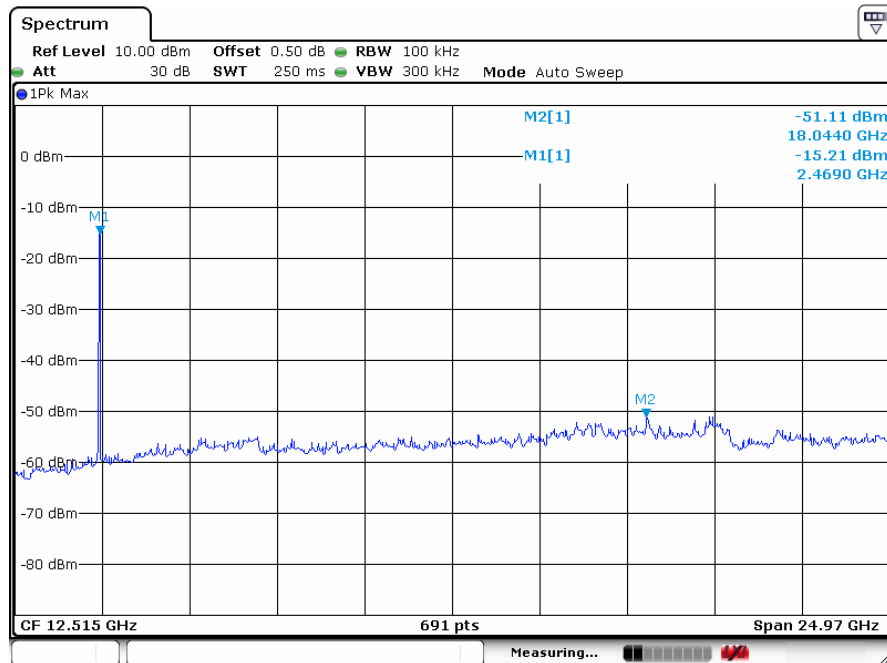
### TX 802.11n Channel Low 2422MHz (40MHz)



## TX 802.11n Channel Middle 2437MHz (40MHz)



## TX 802.11n Channel High 2452MHz (40MHz)



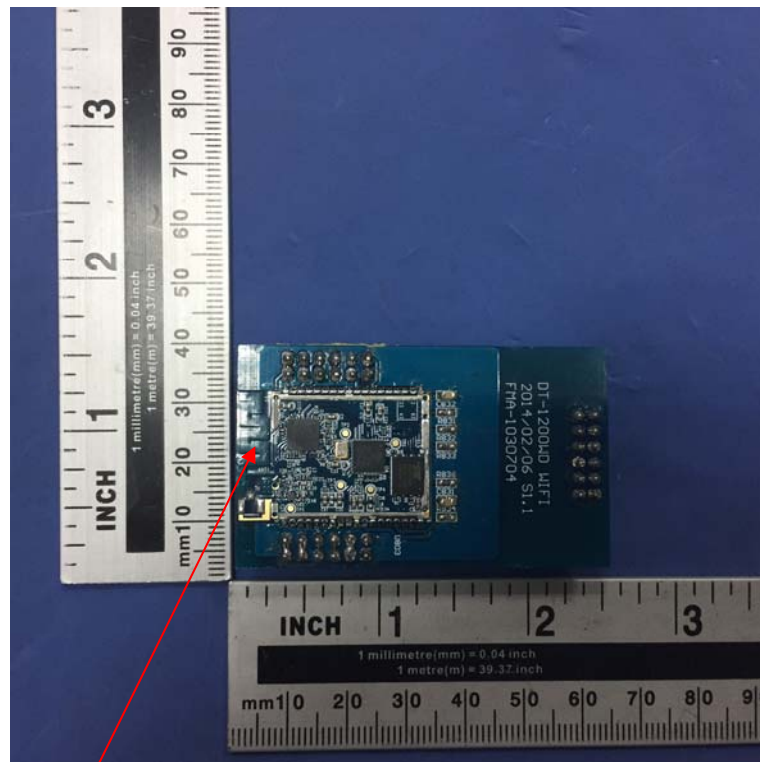
## 12.ANTENNA REQUIREMENT

### 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 PCB antenna, which isn't displaced by other antenna. The Antenna gain of EUT is 0.6dBi. Therefore, the equipment complies with the antenna requirement of Section 15.203.



Antenna