

Radiated Band Edge Result

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.
2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

Result = Reading + Corrected Factor

3. Display the measurement of peak values.
4. The EUT is tested radiation emission at each test mode (802.11a/ac/n) in three axes. Besides, We have tested the single antenna transmit mode and the dual antenna emission mode. The worst emissions are reflected in the following plots.
5. The average measurement was not performed when peak measured data under the limit of average detection.

Test mode: 802.11a TX Frequency: 5180MHz, 5240MHz, 5745MHz, 5825MHz

The EUT is tested Radiated Band Edge at each test mode in three axes. Besides, We have tested the single antenna transmit mode and the dual antenna emission mode. The worst emissions are reflected in the following plots



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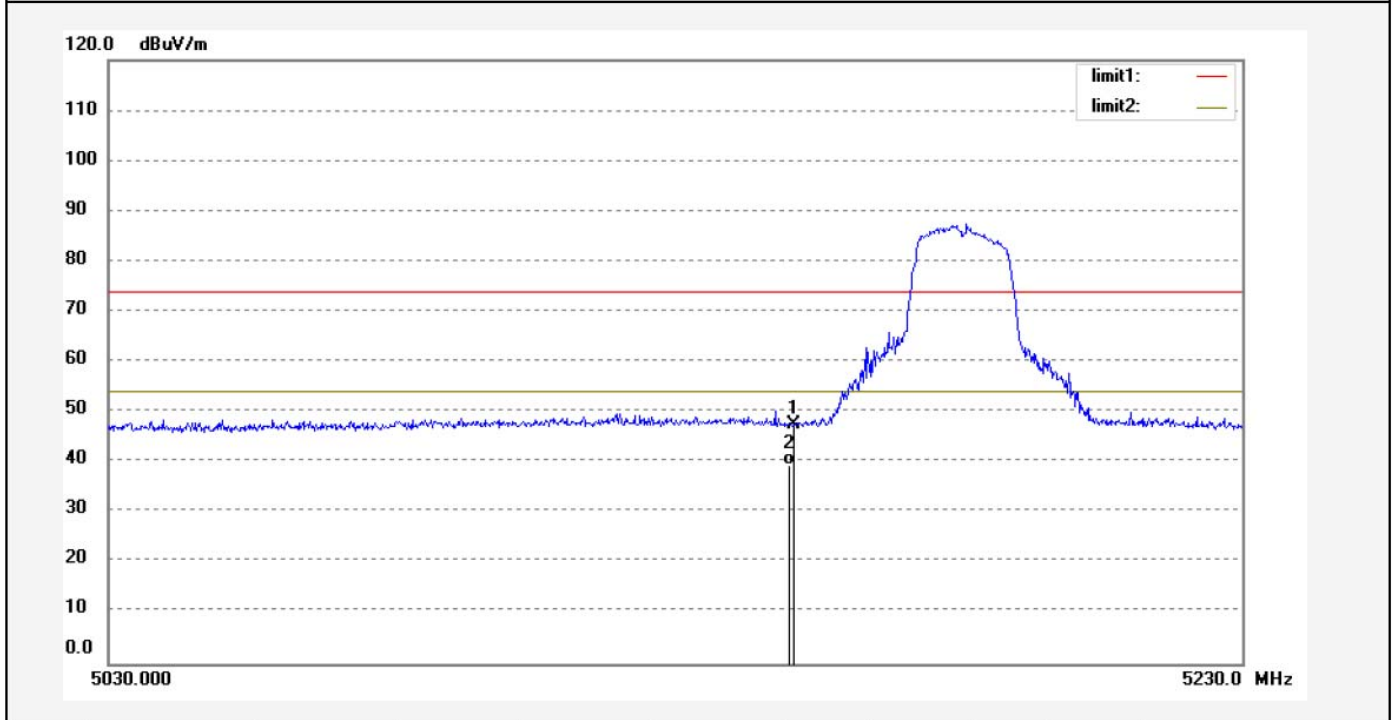
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star2018 #2078	Polarization: Horizontal
Standard: FCC PK	Power Source: DC 12V
Test item: Radiation Test	Date: 2018/06/22
Temp.(C)/Hum.(%) 23 C / 48 %	Time: 18:23:45
EUT: UP-Android 7 module	Engineer Signature: star
Mode: TX 5180MHz(802.11a)	Distance: 3m
Model: UPA000AN	
Manufacturer: CTOUCH Europe B.V.	

Note: Report No.:ATE20180786



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5150.000	41.09	6.39	47.48	74.00	-26.52	peak	150	118	
2	5150.000	33.11	6.39	39.50	54.00	-14.50	AVG	150	130	



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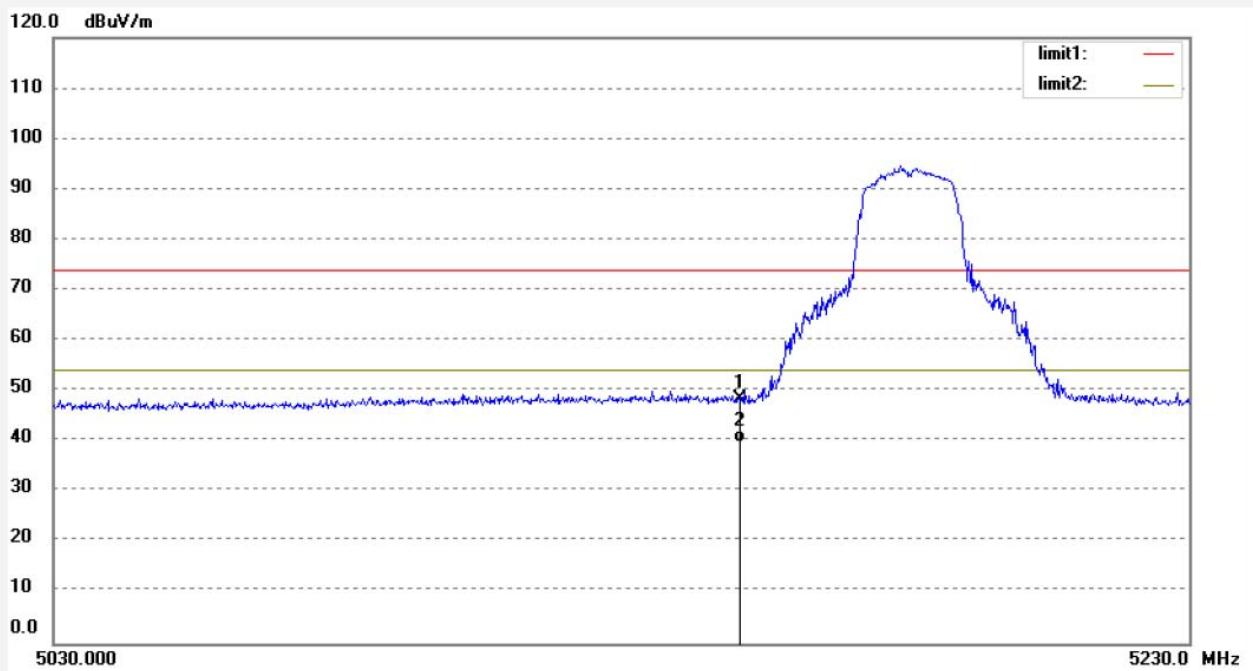
Tel:+86-0755-26503290

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Job No.: star2018 #2077
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: UP-Android 7 module
Mode: TX 5180MHz(802.11a)
Model: UPA000AN
Manufacturer: CTOUCH Europe B.V.

Polarization: Vertical
Power Source: DC 12V
Date: 2018/06/22
Time: 18:22:50
Engineer Signature: star
Distance: 3m

Note: Report No.:ATE20180786

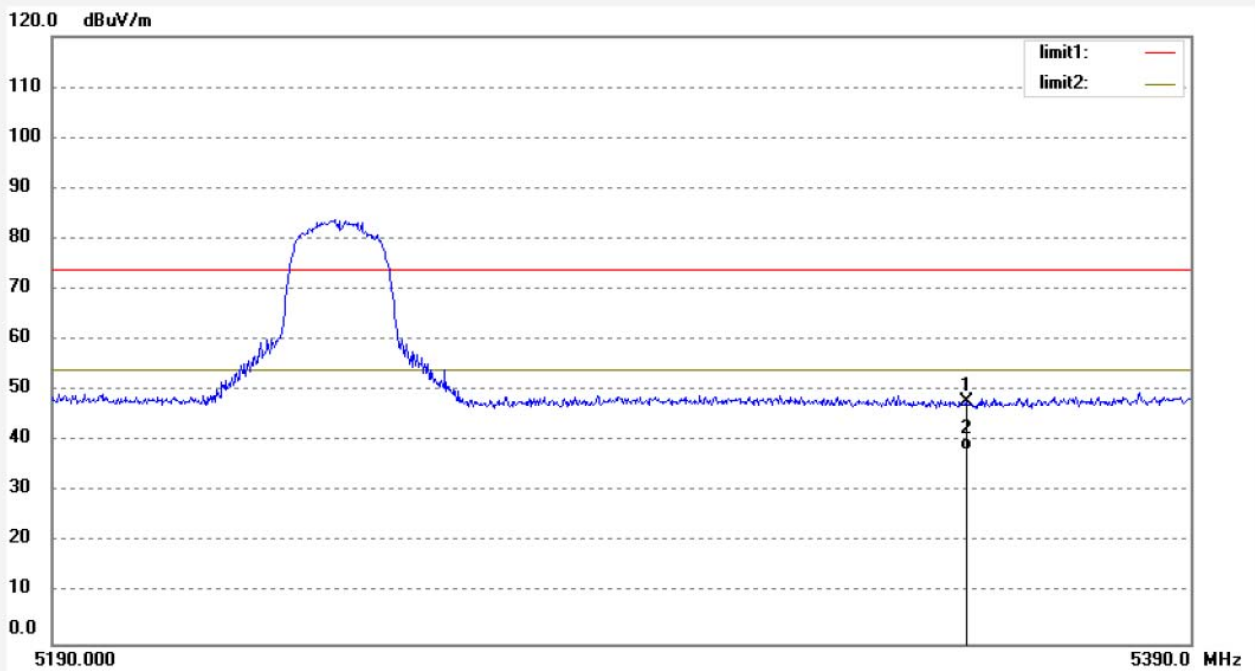


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5150.000	41.97	6.39	48.36	74.00	-25.64	peak	150	187	
2	5150.000	33.48	6.39	39.87	54.00	-14.13	AVG	150	118	

Job No.: star2018 #2079
 Standard: FCC PK
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 23 C / 48 %
 EUT: UP-Android 7 module
 Mode: TX 5240MHz(802.11a)
 Model: UPA000AN
 Manufacturer: CTOUCH Europe B.V.

Polarization: Horizontal
 Power Source: DC 12V
 Date: 2018/06/22
 Time: 18:25:47
 Engineer Signature: star
 Distance: 3m

Note: Report No.:ATE20180786



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5350.000	40.96	6.86	47.82	74.00	-26.18	peak	150	328	
2	5350.000	31.28	6.86	38.14	54.00	-15.86	AVG	150	330	



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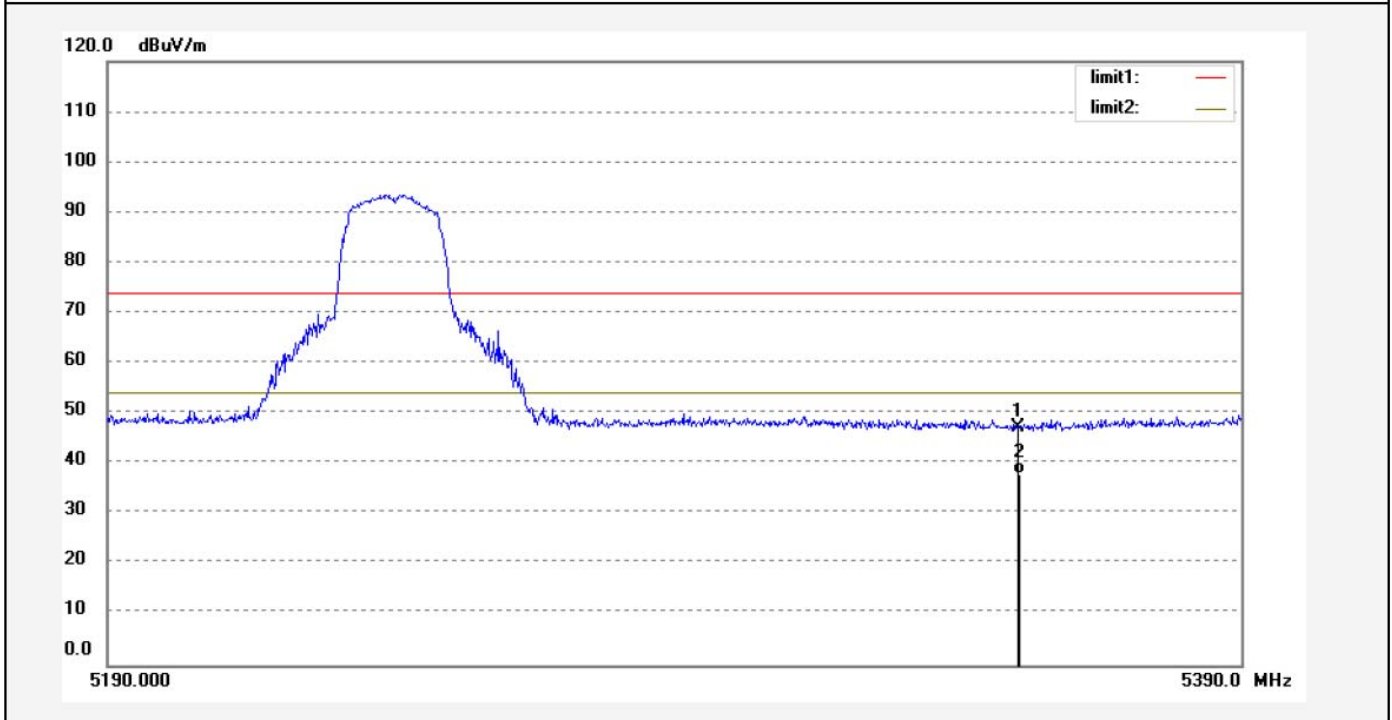
Site: 2# Chamber

Tel:+86-0755-26503290

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Job No.: star2018 #2080	Polarization: Vertical
Standard: FCC PK	Power Source: DC 12V
Test item: Radiation Test	Date: 2018/06/22
Temp.(C)/Hum.(%) 23 C / 48 %	Time: 18:26:40
EUT: UP-Android 7 module	Engineer Signature: star
Mode: TX 5240MHz(802.11a)	Distance: 3m
Model: UPA000AN	
Manufacturer: CTOUCH Europe B.V.	

Note: Report No.:ATE20180786

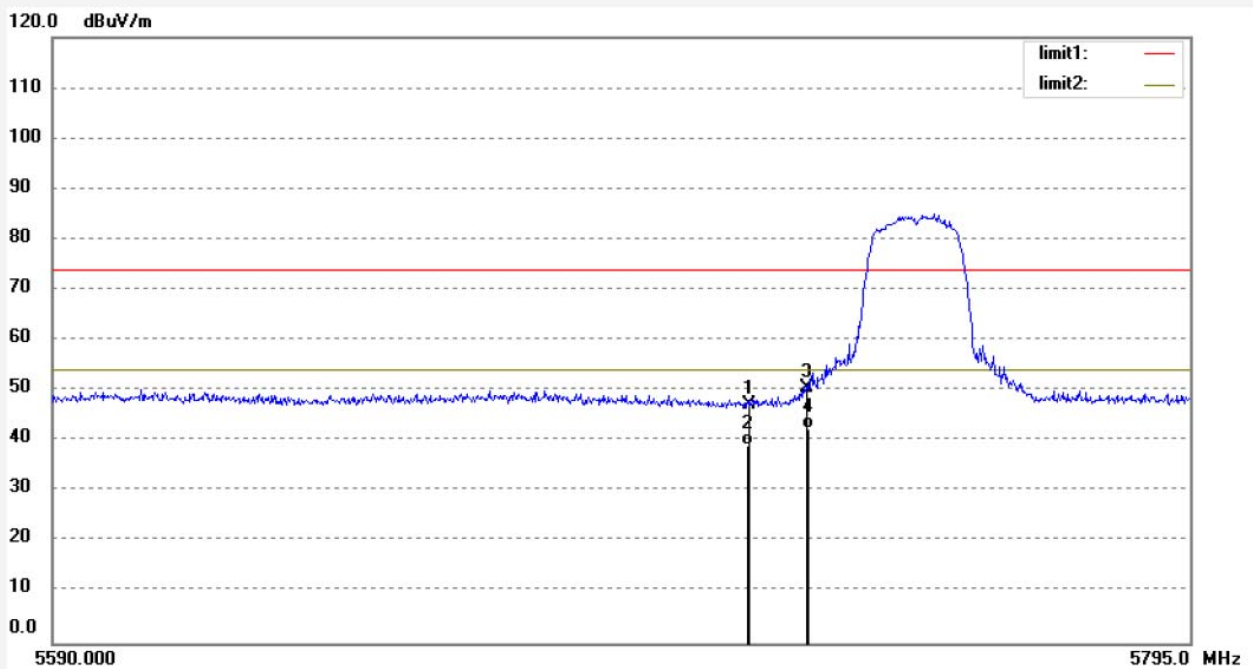


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5350.000	40.53	6.86	47.39	74.00	-26.61	peak	150	127	
2	5350.000	31.00	6.86	37.86	54.00	-16.14	AVG	150	130	

Job No.: star2018 #2090
 Standard: FCC PK
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 23 C / 48 %
 EUT: UP-Android 7 module
 Mode: TX 5745MHz(802.11a)
 Model: UPA000AN
 Manufacturer: CTOUCH Europe B.V.

Polarization: Horizontal
 Power Source: DC 12V
 Date: 2018/06/22
 Time: 18:38:56
 Engineer Signature: star
 Distance: 3m

Note: Report No.:ATE20180786



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5715.000	39.64	7.59	47.23	74.00	-26.77	peak	150	329	
2	5715.000	31.57	7.59	39.16	54.00	-14.84	AVG	150	330	
3	5725.000	42.96	7.65	50.61	74.00	-23.39	peak	150	137	
4	5725.000	34.69	7.65	42.34	54.00	-11.66	AVG	150	318	



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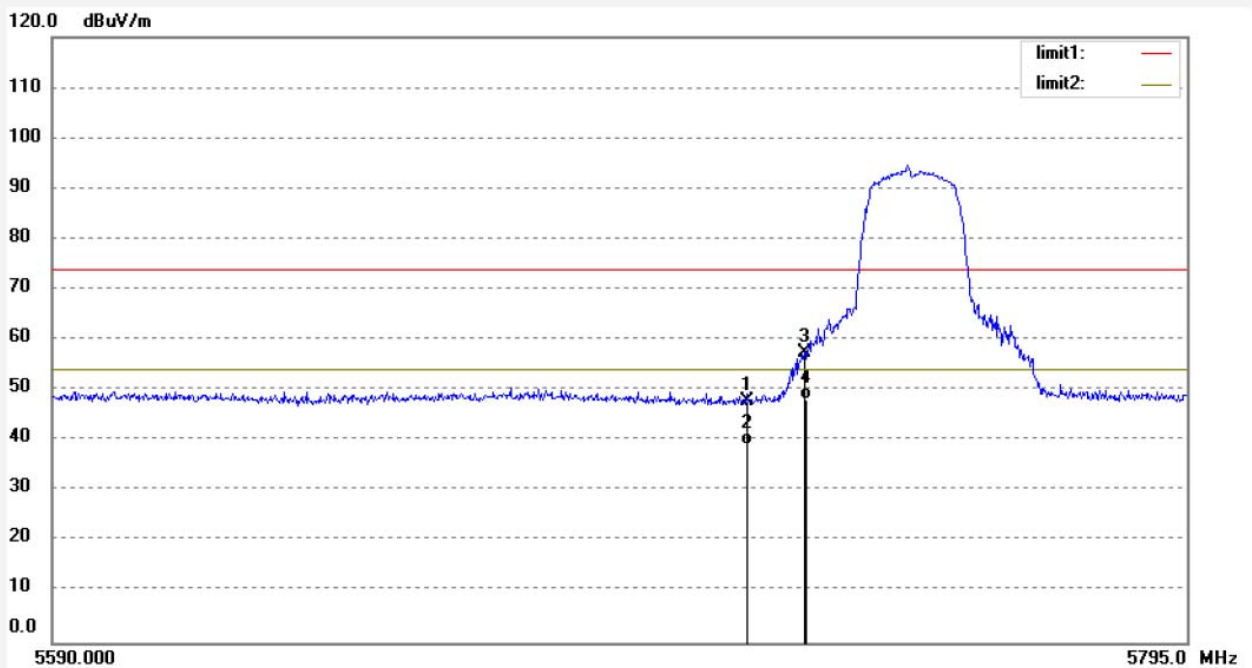
Tel:+86-0755-26503290

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Job No.: star2018 #2089
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: UP-Android 7 module
Mode: TX 5745MHz(802.11a)
Model: UPA000AN
Manufacturer: CTOUCH Europe B.V.

Polarization: Vertical
Power Source: DC 12V
Date: 2018/06/22
Time: 18:38:10
Engineer Signature: star
Distance: 3m

Note: Report No.:ATE20180786



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5715.000	40.27	7.59	47.86	74.00	-26.14	peak	150	112	
2	5715.000	31.57	7.59	39.16	54.00	-14.84	AVG	150	103	
3	5725.000	49.75	7.65	57.40	74.00	-16.60	peak	150	130	
4	5725.000	40.59	7.65	48.24	54.00	-5.76	AVG	150	140	



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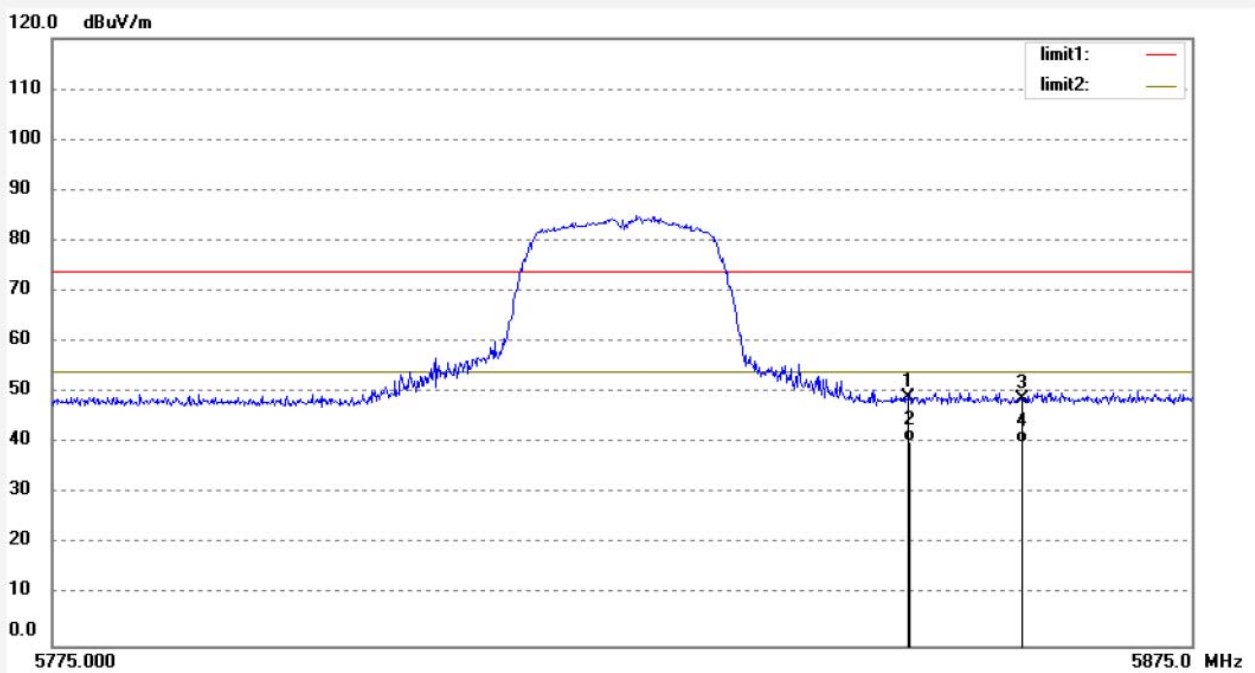
Tel:+86-0755-26503290

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Job No.: star2018 #2091
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: UP-Android 7 module
Mode: TX 5825MHz(802.11a)
Model: UPA000AN
Manufacturer: CTOUCH Europe B.V.

Polarization: Horizontal
Power Source: DC 12V
Date: 2018/06/22
Time: 18:41:26
Engineer Signature: star
Distance: 3m

Note: Report No.:ATE20180786

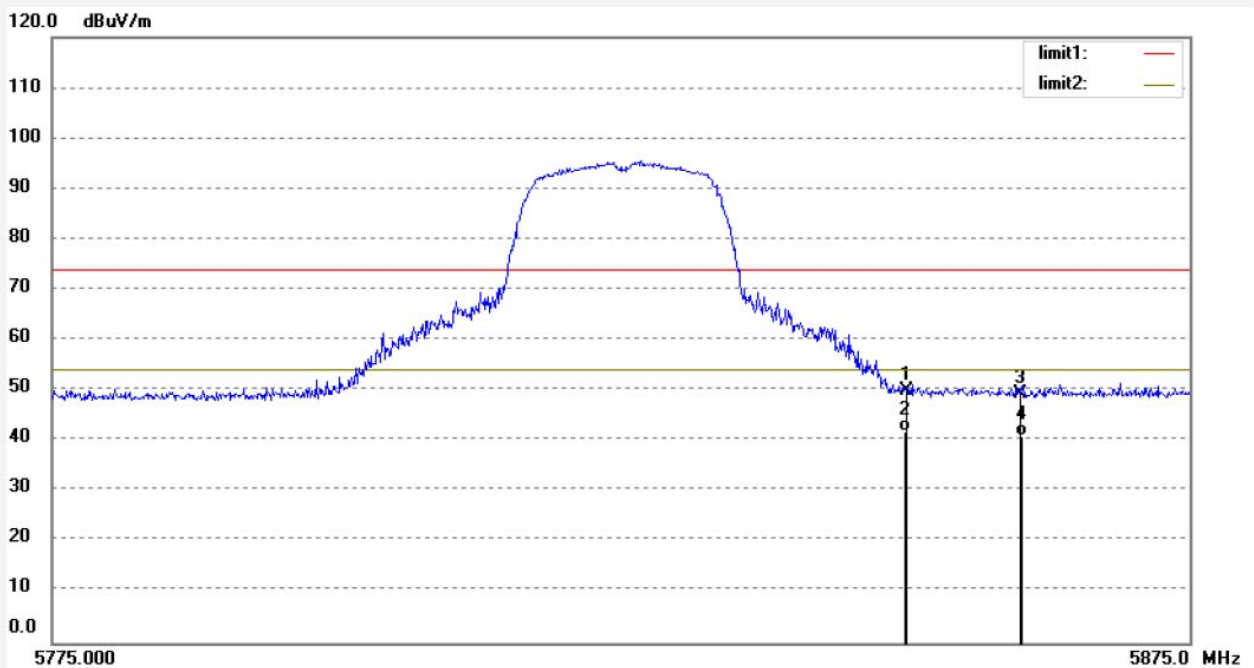


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5850.000	40.86	8.25	49.11	74.00	-24.89	peak	150	318	
2	5850.000	32.00	8.25	40.25	54.00	-13.75	AVG	150	312	
3	5860.000	40.60	8.28	48.88	74.00	-25.12	peak	150	327	
4	5860.000	31.67	8.28	39.95	54.00	-14.05	AVG	150	328	

Job No.: star2018 #2092
 Standard: FCC PK
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 23 C / 48 %
 EUT: UP-Android 7 module
 Mode: TX 5825MHz(802.11a)
 Model: UPA000AN
 Manufacturer: CTOUCH Europe B.V.

Polarization: Vertical
 Power Source: DC 12V
 Date: 2018/06/22
 Time: 18:42:13
 Engineer Signature: star
 Distance: 3m

Note: Report No.:ATE20180786



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5850.000	41.57	8.25	49.82	74.00	-24.18	peak	150	38	
2	5850.000	33.70	8.25	41.95	54.00	-12.05	AVG	150	40	
3	5860.000	41.20	8.28	49.48	74.00	-24.52	peak	150	328	
4	5860.000	32.64	8.28	40.92	54.00	-13.08	AVG	150	330	

Test mode: 802.11n20 TX Frequency: 5180MHz, 5240MHz, 5745MHz, 5825MHz

The EUT is tested Radiated Band Edge at each test mode in three axes. Besides, We have tested the single antenna transmit mode and the dual antenna emission mode. The worst emissions are reflected in the following plots



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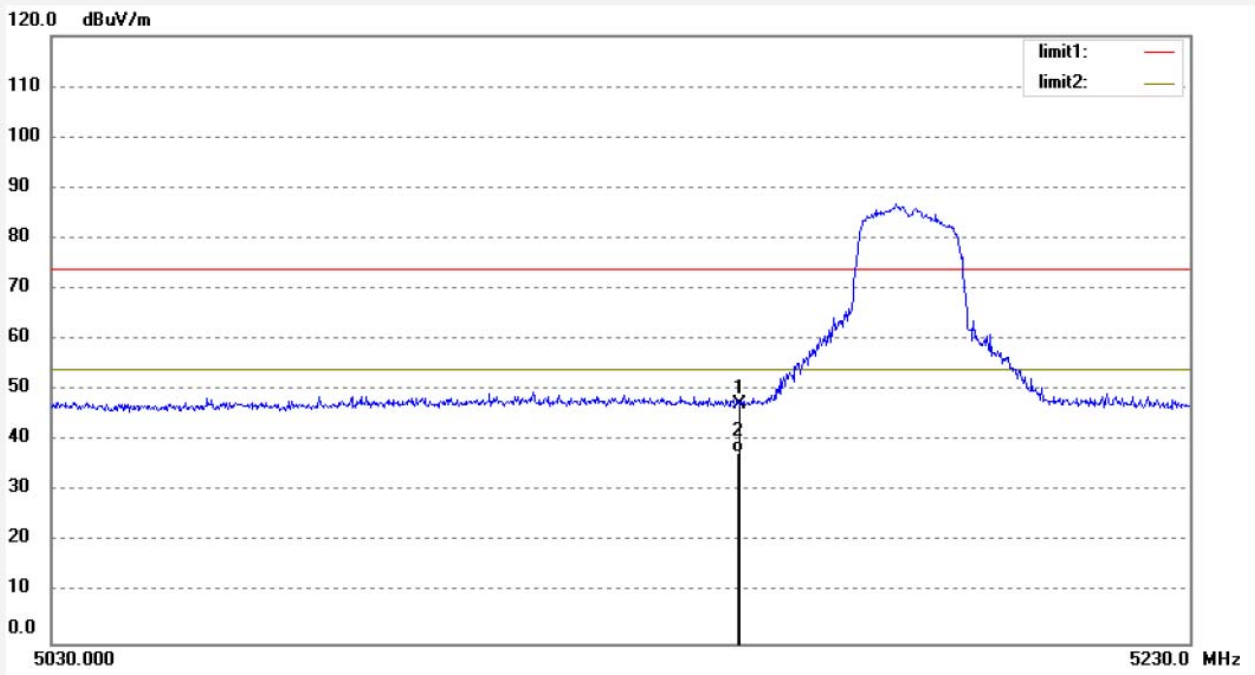
Site: 2# Chamber

Tel:+86-0755-26503290

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Job No.: star2018 #2094	Polarization: Horizontal
Standard: FCC PK	Power Source: DC 12V
Test item: Radiation Test	Date: 2018/06/22
Temp.(C)/Hum.(%) 23 C / 48 %	Time: 18:45:14
EUT: UP-Android 7 module	Engineer Signature: star
Mode: TX 5180MHz(802.11n)	Distance: 3m
Model: UPA000AN	
Manufacturer: CTOUCH Europe B.V.	

Note: Report No.:ATE20180786



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5150.000	40.84	6.39	47.23	74.00	-26.77	peak	150	318	
2	5150.000	31.27	6.39	37.66	54.00	-16.34	AVG	150	320	



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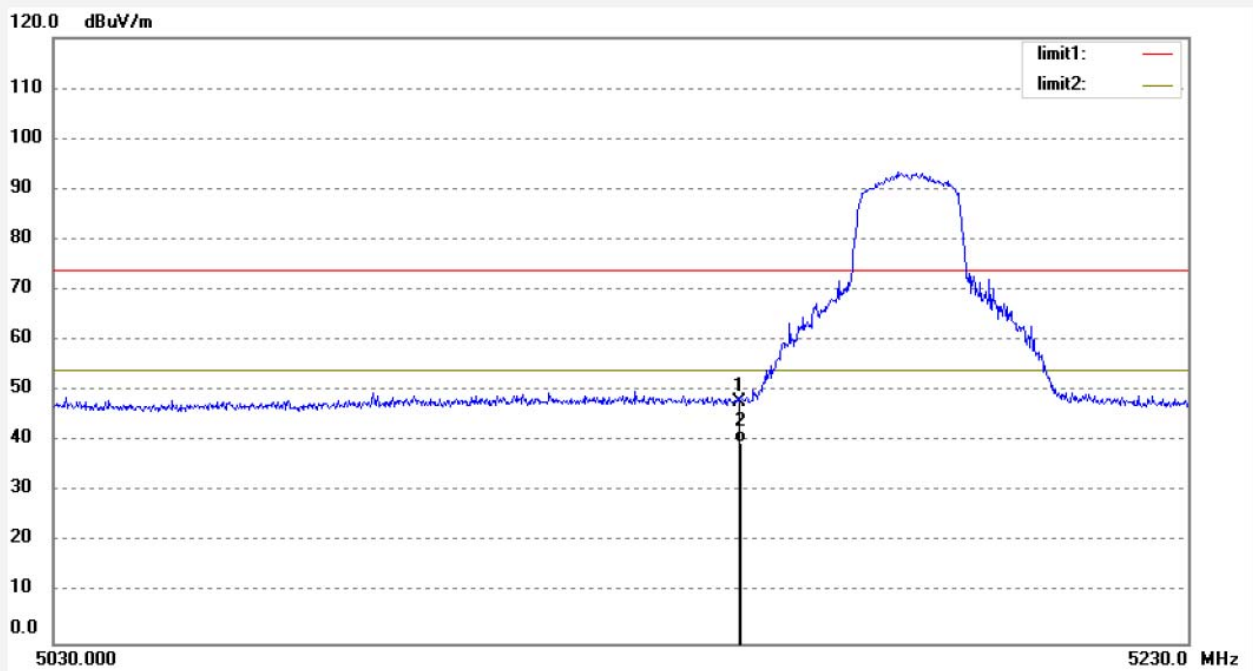
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star2018 #2093
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: UP-Android 7 module
Mode: TX 5180MHz(802.11n)
Model: UPA000AN
Manufacturer: CTOUCH Europe B.V.

Polarization: Vertical
Power Source: DC 12V
Date: 2018/06/22
Time: 18:44:29
Engineer Signature: star
Distance: 3m

Note: Report No.:ATE20180786



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5150.000	41.52	6.39	47.91	74.00	-26.09	peak	150	329	
2	5150.000	33.27	6.39	39.66	54.00	-14.34	AVG	150	330	



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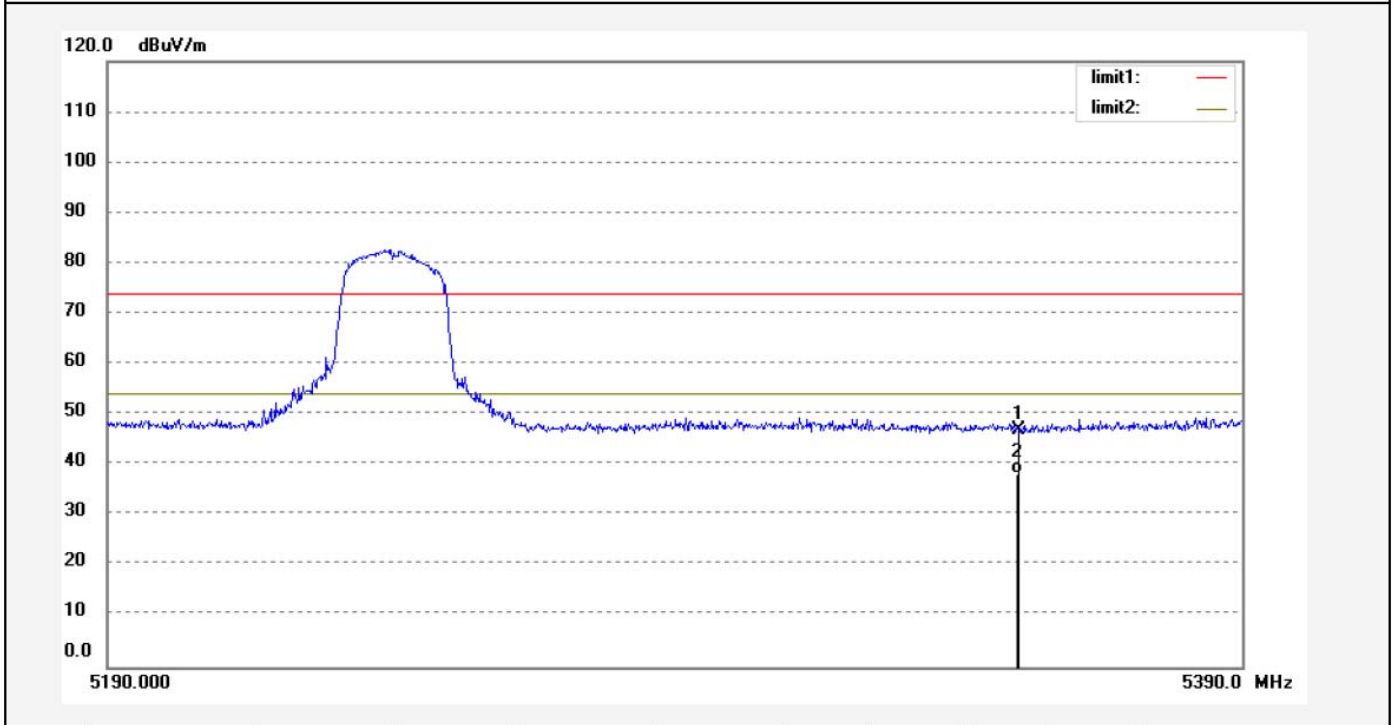
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star2018 #2095	Polarization: Horizontal
Standard: FCC PK	Power Source: DC 12V
Test item: Radiation Test	Date: 2018/06/22
Temp.(C)/Hum.(%) 23 C / 48 %	Time: 18:46:44
EUT: UP-Android 7 module	Engineer Signature: star
Mode: TX 5240MHz(802.11n)	Distance: 3m
Model: UPA000AN	
Manufacturer: CTOUCH Europe B.V.	

Note: Report No.:ATE20180786



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5350.000	40.20	6.86	47.06	74.00	-26.94	peak	150	313	
2	5350.000	31.42	6.86	38.28	54.00	-15.72	AVG	150	328	



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Job No.: star2018 #2096
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: UP-Android 7 module
Mode: TX 5240MHz(802.11n)
Model: UPA000AN
Manufacturer: CTOUCH Europe B.V.

Polarization: Vertical
Power Source: DC 12V
Date: 2018/06/22
Time: 18:47:37
Engineer Signature: star
Distance: 3m

Note: Report No.:ATE20180786



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5350.000	40.13	6.86	46.99	74.00	-27.01	peak	150	323	
2	5350.000	31.74	6.86	38.60	54.00	-15.40	AVG	150	330	



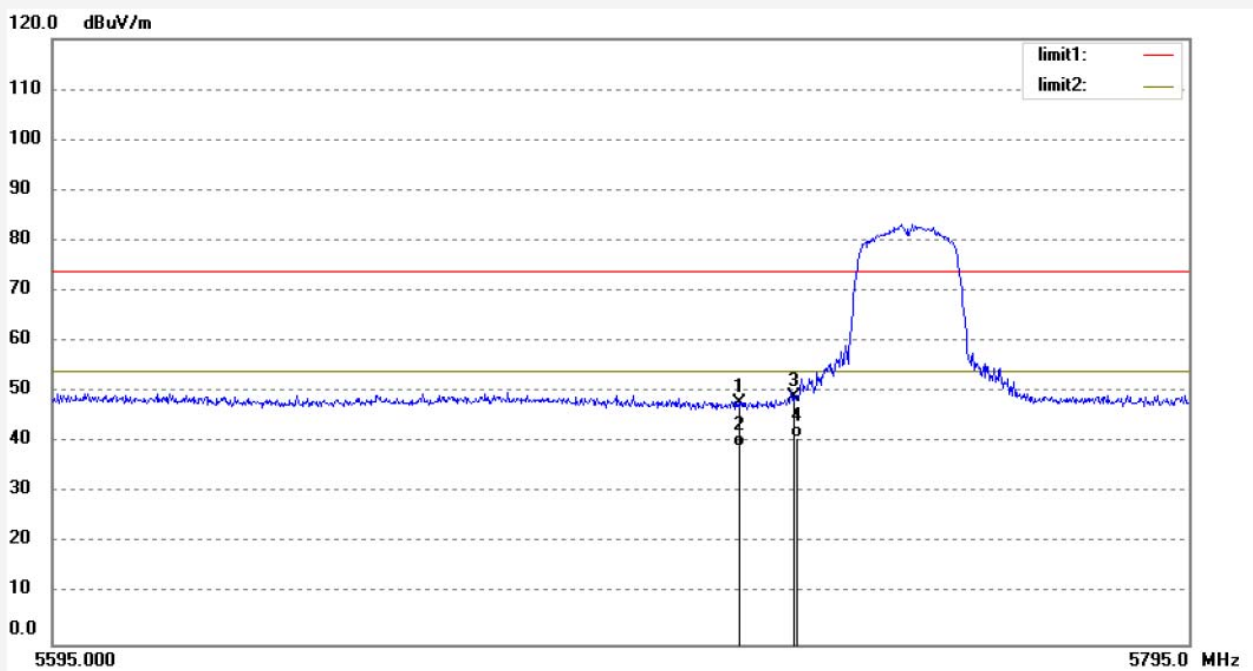
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Job No.: star2018 #2106	Polarization: Horizontal
Standard: FCC PK	Power Source: DC 12V
Test item: Radiation Test	Date: 2018/06/22
Temp.(C)/Hum.(%) 23 C / 48 %	Time: 18:59:41
EUT: UP-Android 7 module	Engineer Signature: star
Mode: TX 5745MHz(802.11n)	Distance: 3m
Model: UPA000AN	
Manufacturer: CTOUCH Europe B.V.	

Note: Report No.:ATE20180786



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5715.000	40.25	7.59	47.84	74.00	-26.16	peak	150	327	
2	5715.000	31.55	7.59	39.14	54.00	-14.86	AVG	150	326	
3	5725.000	41.31	7.65	48.96	74.00	-25.04	peak	150	330	
4	5725.000	33.41	7.65	41.06	54.00	-12.94	AVG	150	331	



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Site: 2# Chamber

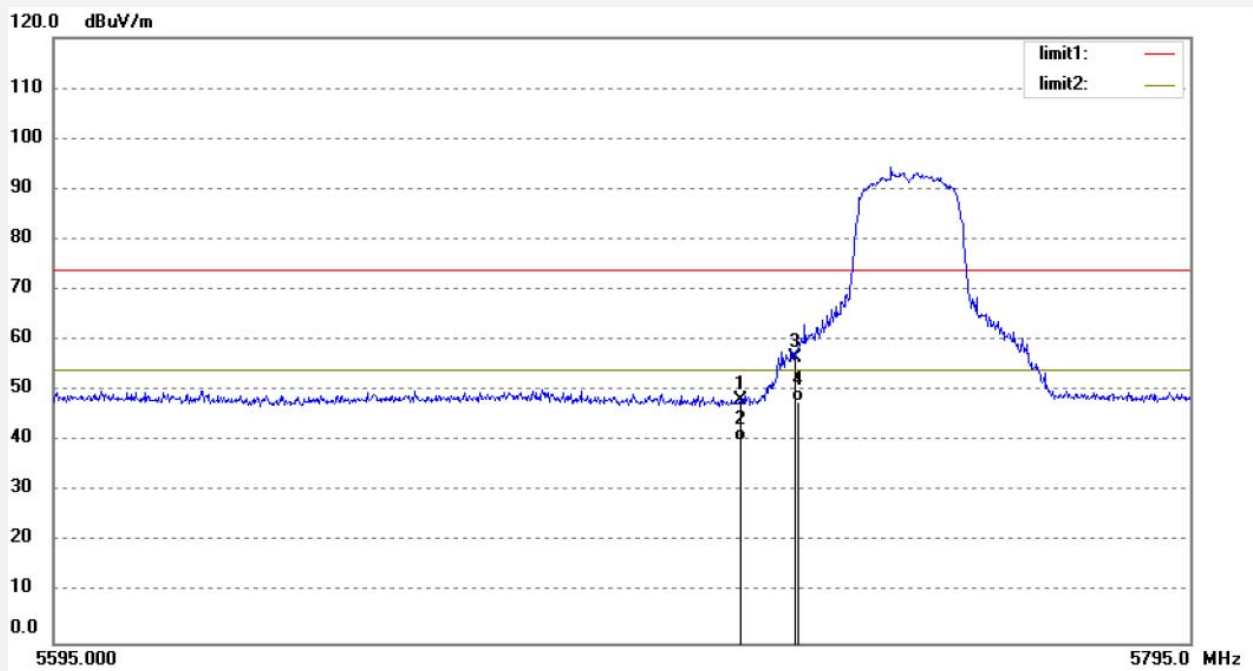
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star2018 #2105
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: UP-Android 7 module
Mode: TX 5745MHz(802.11n)
Model: UPA000AN
Manufacturer: CTOUCH Europe B.V.

Polarization: Vertical
Power Source: DC 12V
Date: 2018/06/22
Time: 18:58:57
Engineer Signature: star
Distance: 3m

Note: Report No.:ATE20180786



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5715.000	40.67	7.59	48.26	74.00	-25.74	peak	150	278	
2	5715.000	32.41	7.59	40.00	54.00	-14.00	AVG	150	327	
3	5725.000	48.99	7.65	56.64	74.00	-17.36	peak	150	329	
4	5725.000	40.06	7.65	47.71	54.00	-6.29	AVG	150	327	



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Site: 2# Chamber

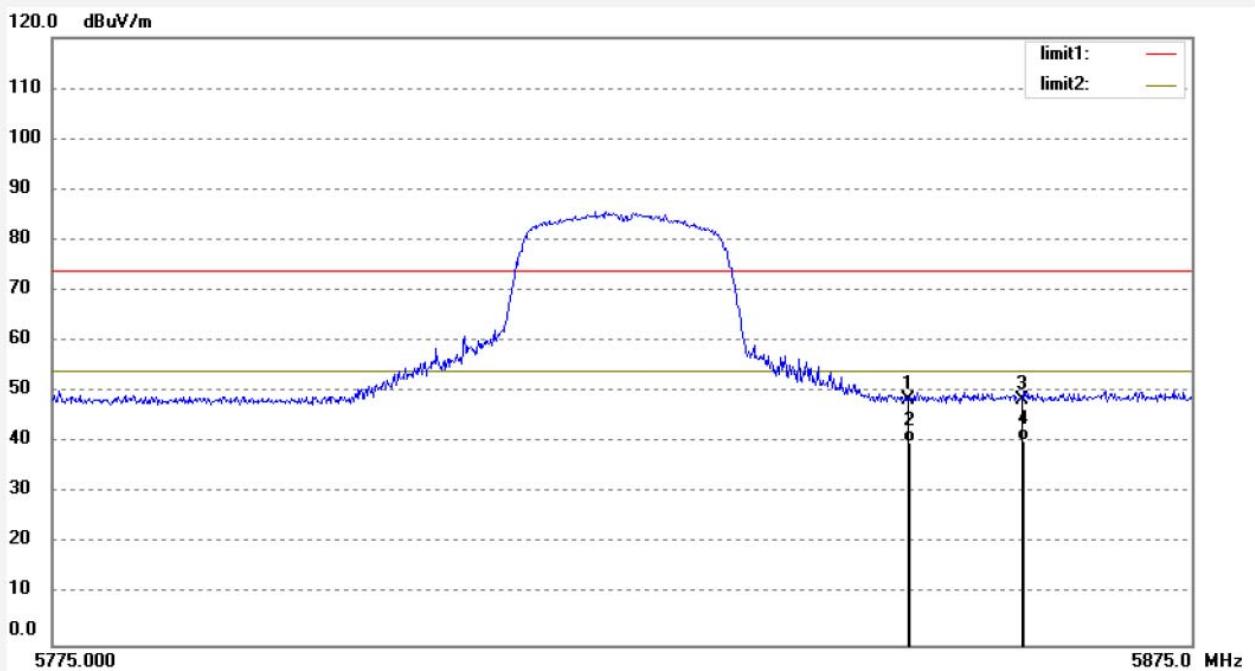
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star2018 #2107
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: UP-Android 7 module
Mode: TX 5825MHz(802.11n)
Model: UPA000AN
Manufacturer: CTOUCH Europe B.V.

Polarization: Horizontal
Power Source: DC 12V
Date: 2018/06/22
Time: 19:01:24
Engineer Signature: star
Distance: 3m

Note: Report No.:ATE20180786



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5850.000	40.34	8.25	48.59	74.00	-25.41	peak	150	328	
2	5850.000	31.84	8.25	40.09	54.00	-13.91	AVG	150	330	
3	5860.000	40.26	8.28	48.54	74.00	-25.46	peak	150	312	
4	5860.000	32.00	8.28	40.28	54.00	-13.72	AVG	150	329	



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Site: 2# Chamber

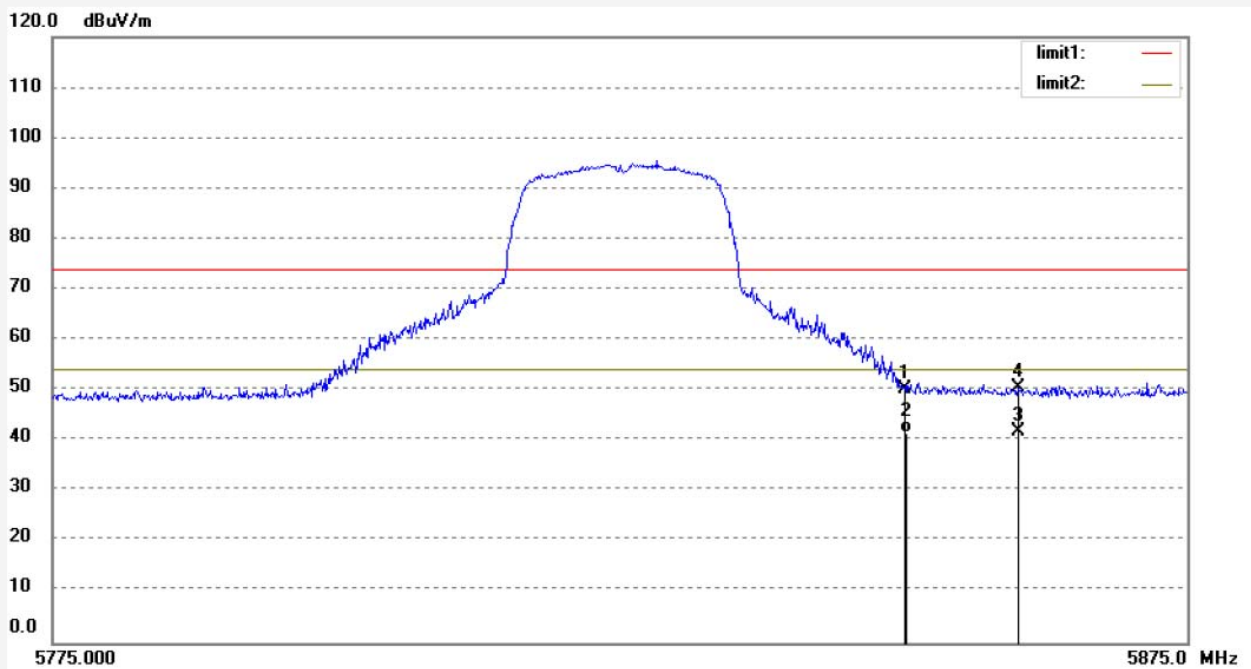
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star2018 #2108
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: UP-Android 7 module
Mode: TX 5825MHz(802.11n)
Model: UPA000AN
Manufacturer: CTOUCH Europe B.V.

Polarization: Vertical
Power Source: DC 12V
Date: 2018/06/22
Time: 19:02:08
Engineer Signature: star
Distance: 3m

Note: Report No.:ATE20180786



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5850.000	42.09	8.25	50.34	74.00	-23.66	peak	150	321	
2	5850.000	33.41	8.25	41.66	54.00	-12.34	AVG	150	320	
3	5860.000	33.57	8.28	41.85	74.00	-32.15	peak	150	128	
4	5860.000	42.17	8.28	50.45	74.00	-23.55	AVG	150	130	

Test mode: 802.11ac 20MHz TX Frequency: 5180MHz, 5240MHz, 5745MHz, 5825MHz

The EUT is tested Radiated Band Edge at each test mode in three axes. Besides, We have tested the single antenna transmit mode and the dual antenna emission mode. The worst emissions are reflected in the following plots



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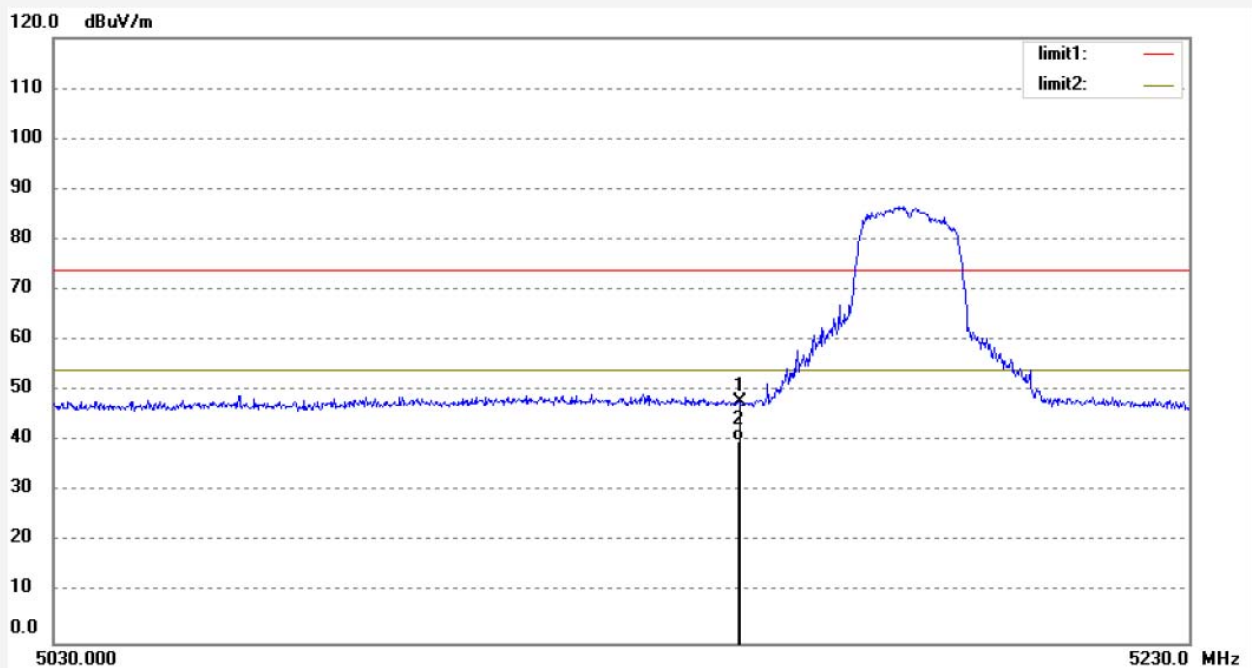
Site: 2# Chamber

Tel:+86-0755-26503290

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Job No.: star2018 #2110	Polarization: Horizontal
Standard: FCC PK	Power Source: DC 12V
Test item: Radiation Test	Date: 2018/06/22
Temp.(C)/Hum.(%) 23 C / 48 %	Time: 19:04:57
EUT: UP-Android 7 module	Engineer Signature: star
Mode: TX 5180MHz(802.11ac)	Distance: 3m
Model: UPA000AN	
Manufacturer: CTOUCH Europe B.V.	

Note: Report No.:ATE20180786



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5150.000	41.35	6.39	47.74	74.00	-26.26	peak	150	328	
2	5150.000	33.73	6.39	40.12	54.00	-13.88	AVG	150	330	



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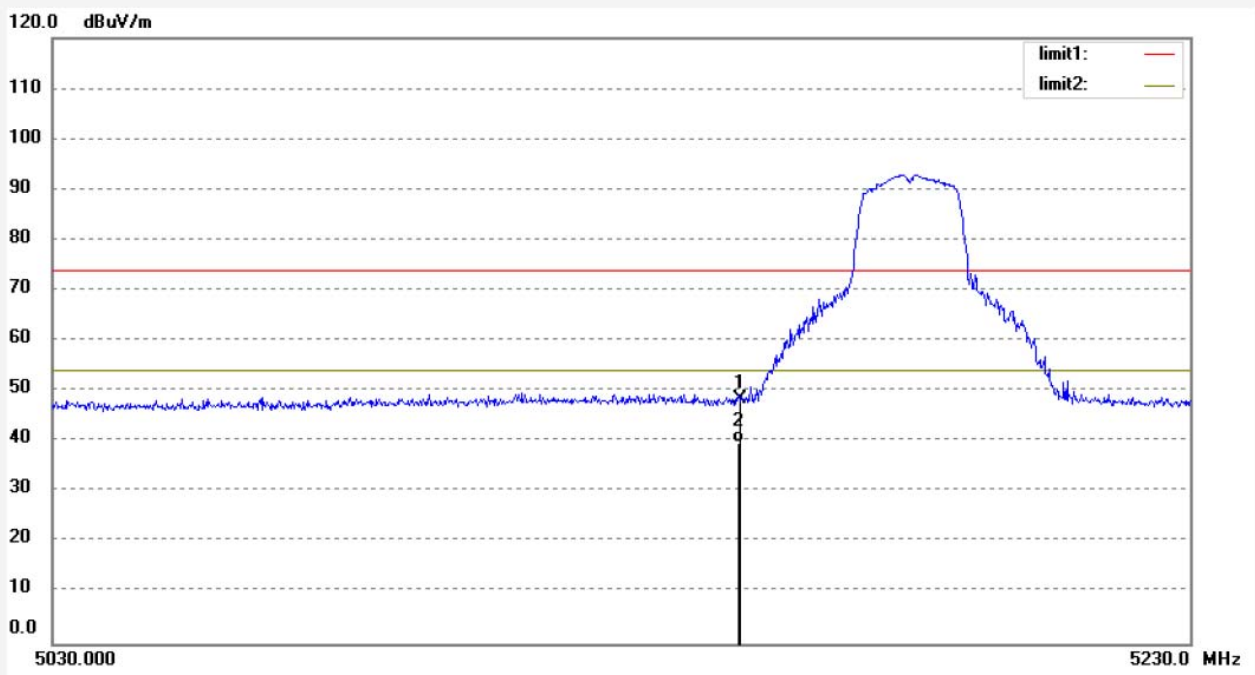
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star2018 #2109	Polarization: Vertical
Standard: FCC PK	Power Source: DC 12V
Test item: Radiation Test	Date: 2018/06/22
Temp.(C)/Hum.(%) 23 C / 48 %	Time: 19:04:06
EUT: UP-Android 7 module	Engineer Signature: star
Mode: TX 5180MHz(802.11ac)	Distance: 3m
Model: UPA000AN	
Manufacturer: CTOUCH Europe B.V.	

Note: Report No.:ATE20180786



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5150.000	42.05	6.39	48.44	74.00	-25.56	peak	150	184	
2	5150.000	33.43	6.39	39.82	54.00	-14.18	AVG	150	187	



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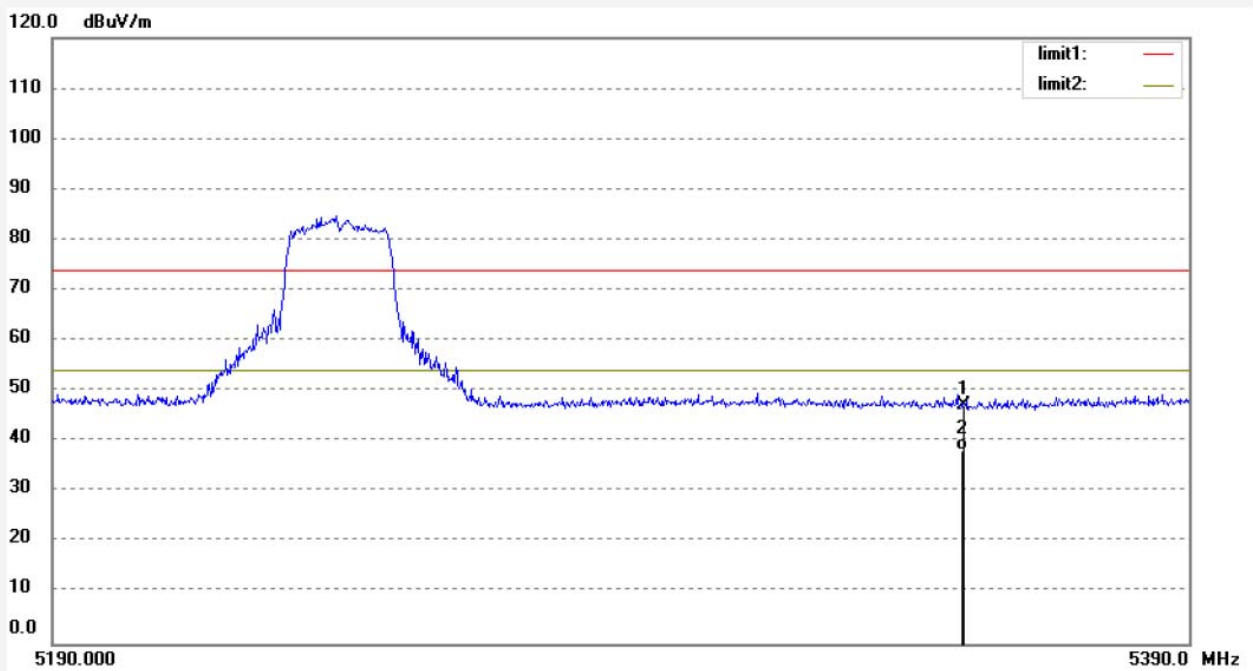
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star2018 #2111
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: UP-Android 7 module
Mode: TX 5240MHz(802.11ac)
Model: UPA000AN
Manufacturer: CTOUCH Europe B.V.

Polarization: Horizontal
Power Source: DC 12V
Date: 2018/06/22
Time: 19:06:33
Engineer Signature: star
Distance: 3m

Note: Report No.:ATE20180786



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5350.000	40.26	6.86	47.12	74.00	-26.88	peak	150	329	
2	5350.000	31.46	6.86	38.32	54.00	-15.68	AVG	150	330	



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Site: 2# Chamber

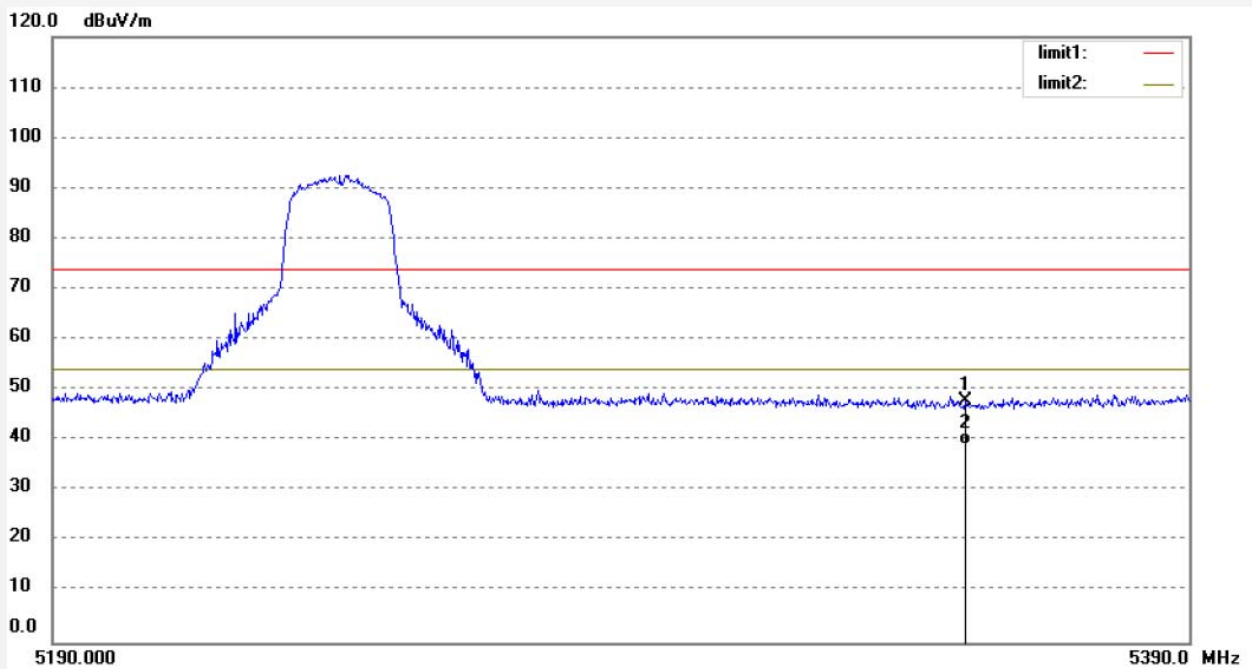
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star2018 #2112
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: UP-Android 7 module
Mode: TX 5240MHz(802.11ac)
Model: UPA000AN
Manufacturer: CTOUCH Europe B.V.

Polarization: Vertical
Power Source: DC 12V
Date: 2018/06/22
Time: 19:07:08
Engineer Signature: star
Distance: 3m

Note: Report No.:ATE20180786

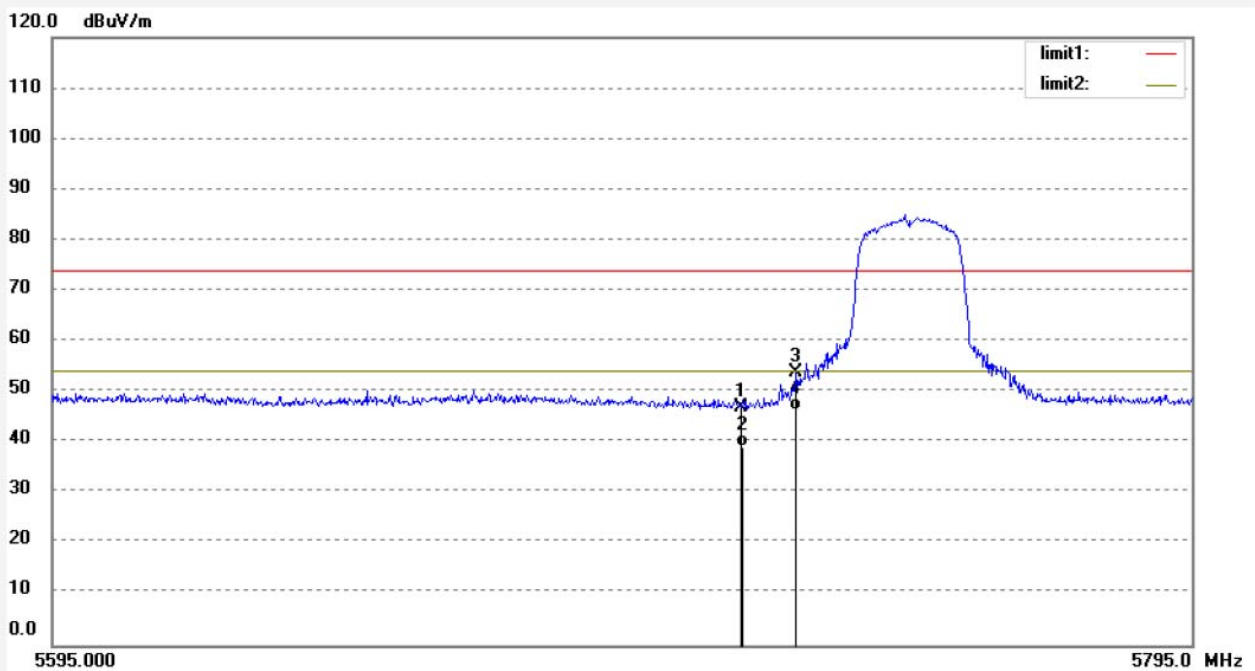


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5350.000	40.97	6.86	47.83	74.00	-26.17	peak	150	328	
2	5350.000	32.41	6.86	39.27	54.00	-14.73	AVG	150	330	

Job No.: star2018 #2122
 Standard: FCC PK
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 23 C / 48 %
 EUT: UP-Android 7 module
 Mode: TX 5745MHz(802.11ac)
 Model: UPA000AN
 Manufacturer: CTOUCH Europe B.V.

Polarization: Horizontal
 Power Source: DC 12V
 Date: 2018/06/22
 Time: 19:19:45
 Engineer Signature: star
 Distance: 3m

Note: Report No.:ATE20180786

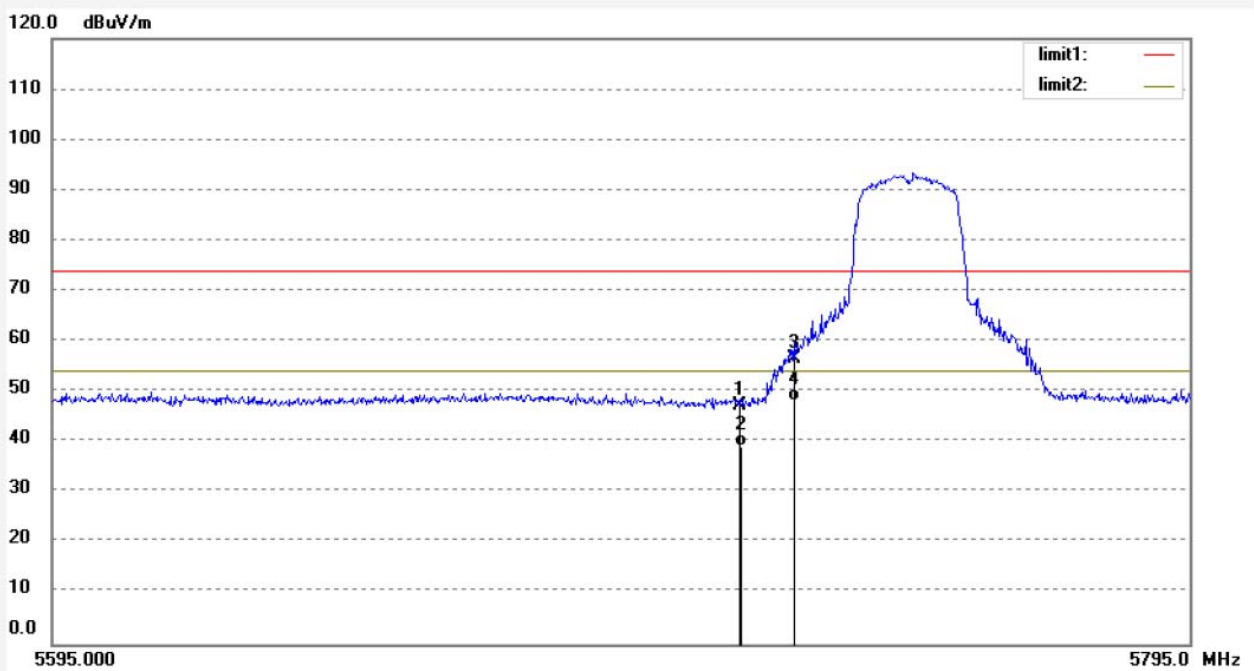


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5715.000	39.36	7.59	46.95	74.00	-27.05	peak	150	38	
2	5715.000	31.47	7.59	39.06	54.00	-14.94	AVG	150	30	
3	5725.000	46.10	7.65	53.75	74.00	-20.25	peak	150	328	
4	5725.000	38.62	7.65	46.27	54.00	-7.73	AVG	150	330	

Job No.: star2018 #2121
 Standard: FCC PK
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 23 C / 48 %
 EUT: UP-Android 7 module
 Mode: TX 5745MHz(802.11ac)
 Model: UPA000AN
 Manufacturer: CTOUCH Europe B.V.

Polarization: Vertical
 Power Source: DC 12V
 Date: 2018/06/22
 Time: 19:18:53
 Engineer Signature: star
 Distance: 3m

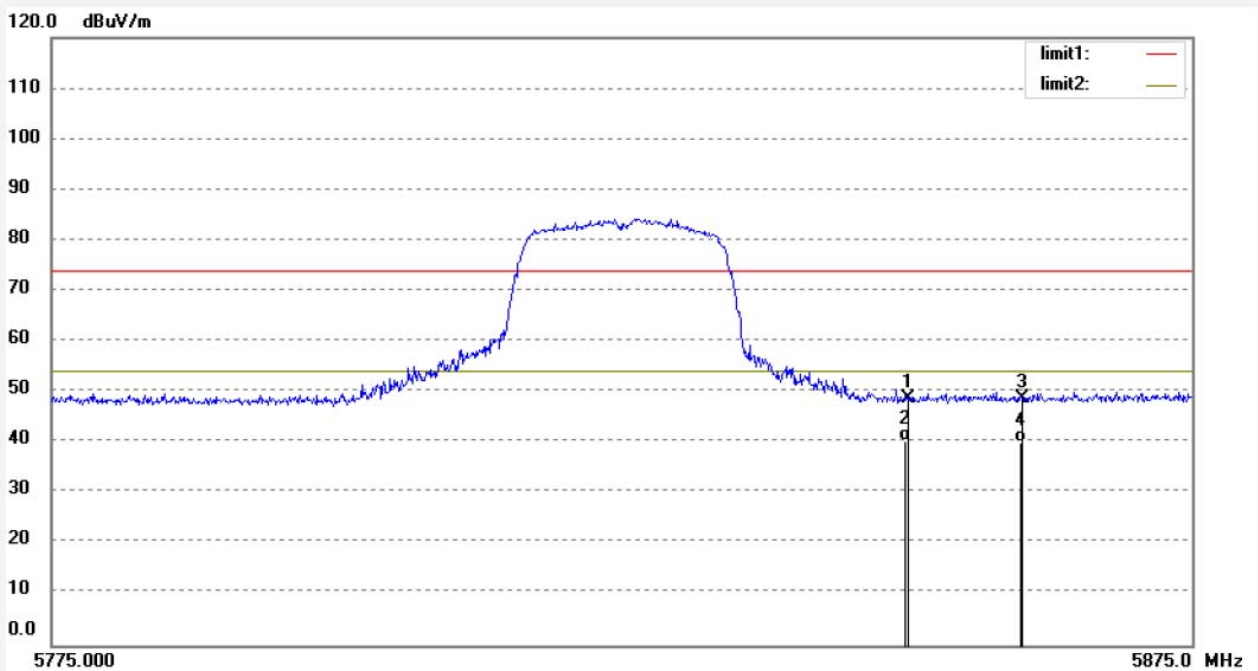
Note: Report No.:ATE20180786



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5715.000	39.61	7.59	47.20	74.00	-26.80	peak	150	218	
2	5715.000	31.47	7.59	39.06	54.00	-14.94	AVG	150	220	
3	5725.000	48.80	7.65	56.45	74.00	-17.55	peak	150	327	
4	5725.000	40.56	7.65	48.21	54.00	-5.79	AVG	150	330	

Job No.: star2018 #2123	Polarization: Horizontal
Standard: FCC PK	Power Source: DC 12V
Test item: Radiation Test	Date: 2018/06/22
Temp.(C)/Hum.(%) 23 C / 48 %	Time: 19:21:18
EUT: UP-Android 7 module	Engineer Signature: star
Mode: TX 5825MHz(802.11ac)	Distance: 3m
Model: UPA000AN	
Manufacturer: CTOUCH Europe B.V.	

Note: Report No.:ATE20180786

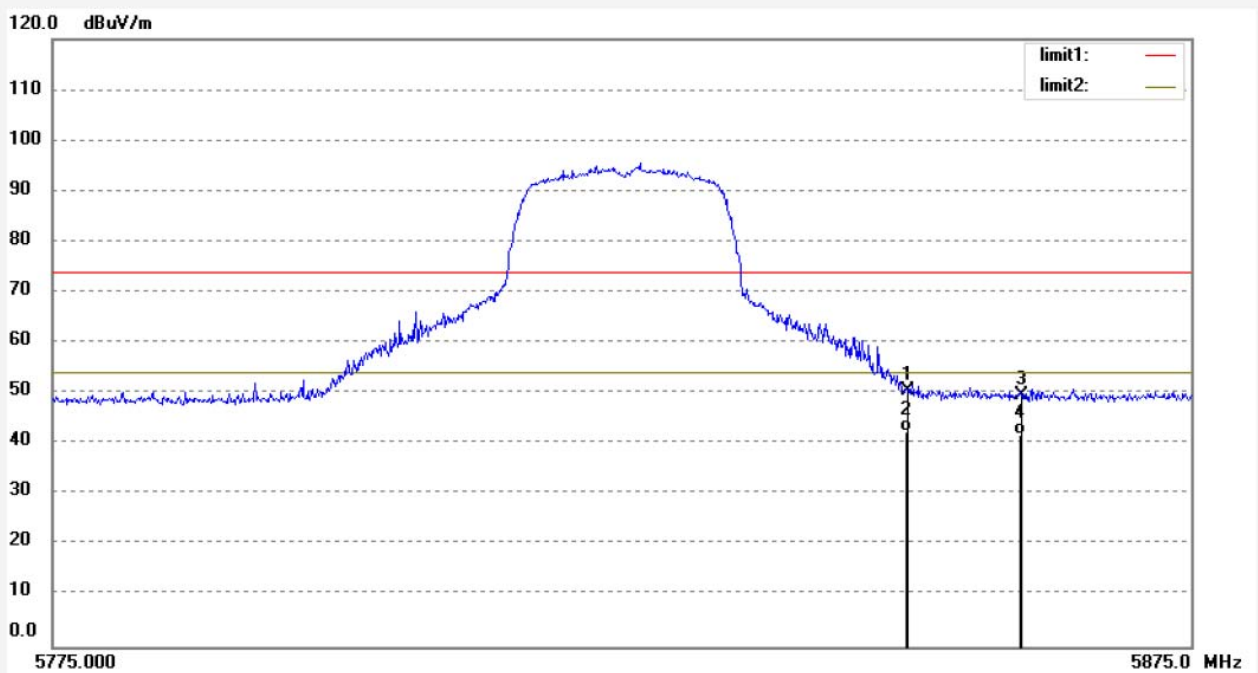


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5850.000	40.38	8.25	48.63	74.00	-25.37	peak	150	189	
2	5850.000	32.07	8.25	40.32	54.00	-13.68	AVG	150	190	
3	5860.000	40.40	8.28	48.68	74.00	-25.32	peak	150	329	
4	5860.000	31.65	8.28	39.93	54.00	-14.07	AVG	150	330	

Job No.: star2018 #2124
 Standard: FCC PK
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 23 C / 48 %
 EUT: UP-Android 7 module
 Mode: TX 5825MHz(802.11ac)
 Model: UPA000AN
 Manufacturer: CTOUCH Europe B.V.

Polarization: Vertical
 Power Source: DC 12V
 Date: 2018/06/22
 Time: 19:22:01
 Engineer Signature: star
 Distance: 3m

Note: Report No.:ATE20180786



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5850.000	42.21	8.25	50.46	74.00	-23.54	peak	150	322	
2	5850.000	34.07	8.25	42.32	54.00	-11.68	AVG	150	320	
3	5860.000	41.23	8.28	49.51	74.00	-24.49	peak	150	310	
4	5860.000	33.69	8.28	41.97	54.00	-12.03	AVG	150	311	

Test mode: 802.11N 40MHz TX Frequency: 5190MHz, 5230MHz, 5755MHz, 5795MHz

The EUT is tested Radiated Band Edge at each test mode in three axes. Besides, We have tested the single antenna transmit mode and the dual antenna emission mode. The worst emissions are reflected in the following plots



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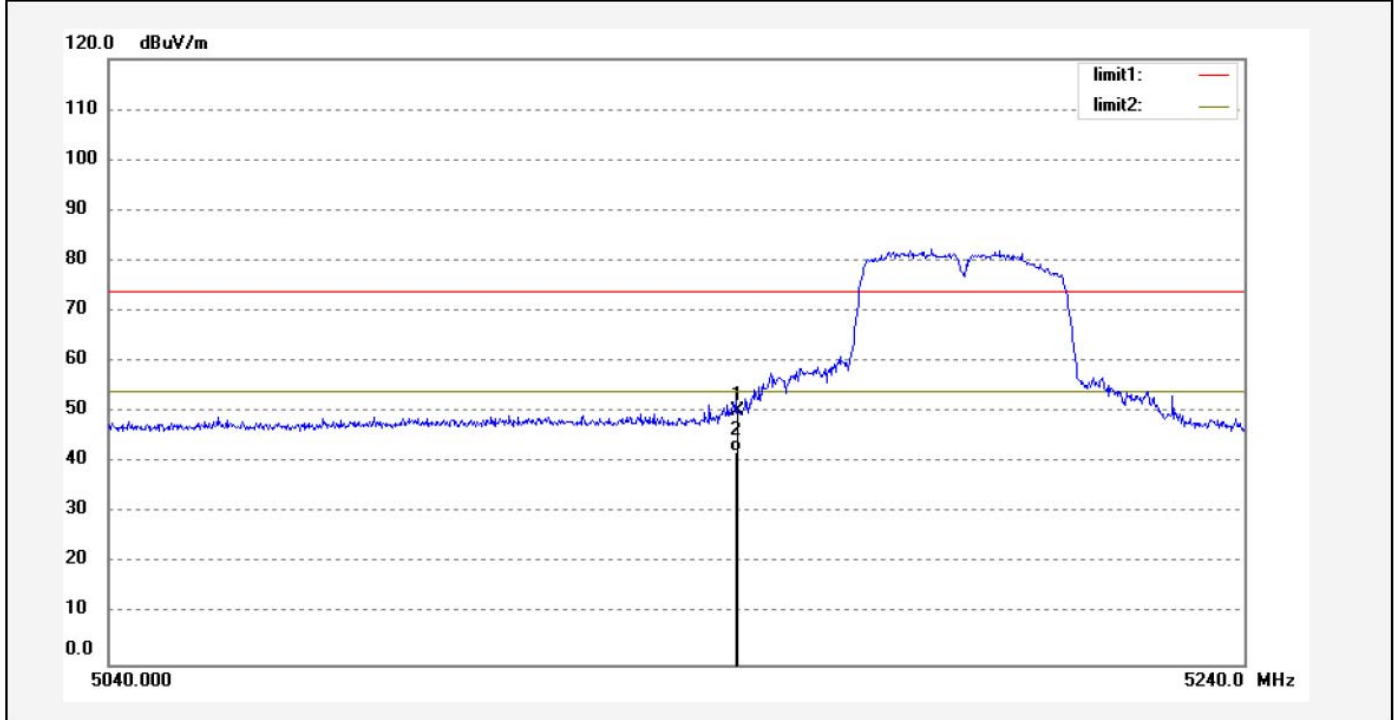
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star2018 #2126	Polarization: Horizontal
Standard: FCC PK	Power Source: DC 12V
Test item: Radiation Test	Date: 2018/06/22
Temp.(C)/Hum.(%) 23 C / 48 %	Time: 19:25:20
EUT: UP-Android 7 module	Engineer Signature: star
Mode: TX 5190MHz(802.11n)40MHz	Distance: 3m
Model: UPA000AN	
Manufacturer: CTOUCH Europe B.V.	

Note: Report No.:ATE20180786



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5150.000	43.93	6.39	50.32	74.00	-23.68	peak	150	157	
2	5150.000	35.67	6.39	42.06	54.00	-11.94	AVG	150	160	



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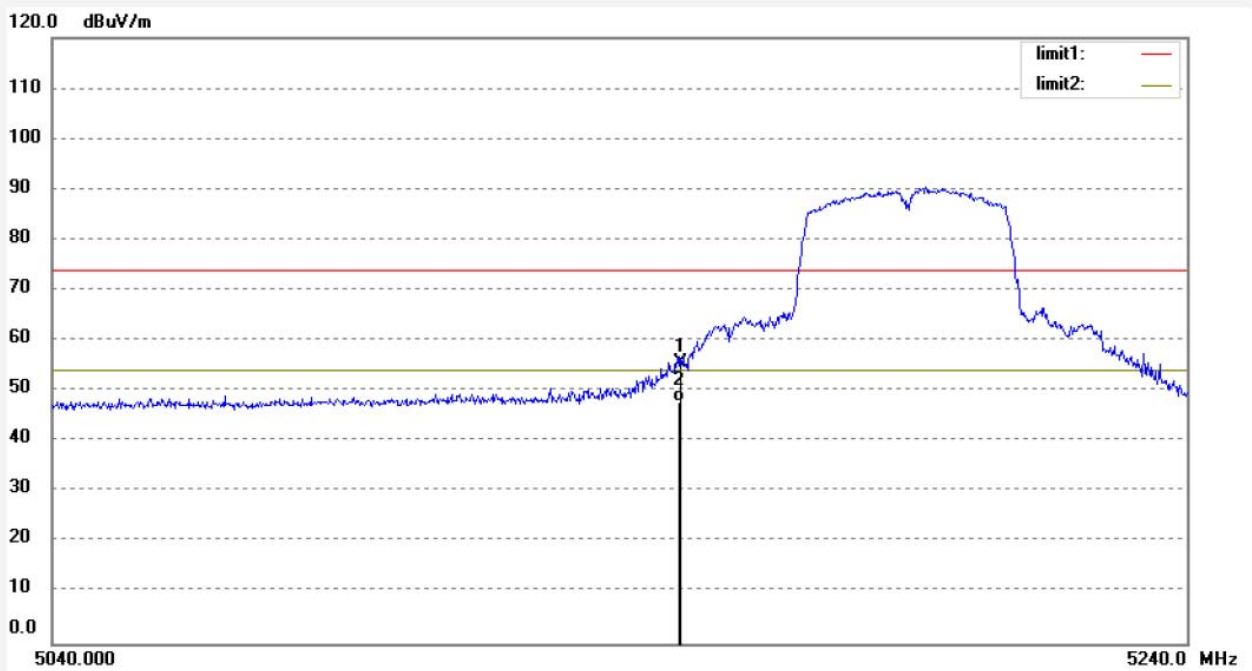
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star2018 #2125	Polarization: Vertical
Standard: FCC PK	Power Source: DC 12V
Test item: Radiation Test	Date: 2018/06/22
Temp.(C)/Hum.(%) 23 C / 48 %	Time: 19:24:30
EUT: UP-Android 7 module	Engineer Signature: star
Mode: TX 5190MHz(802.11n)40MHz	Distance: 3m
Model: UPA000AN	
Manufacturer: CTOUCH Europe B.V.	

Note: Report No.:ATE20180786



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5150.000	49.29	6.39	55.68	74.00	-18.32	peak	150	328	
2	5150.000	41.55	6.39	47.94	54.00	-6.06	AVG	150	330	



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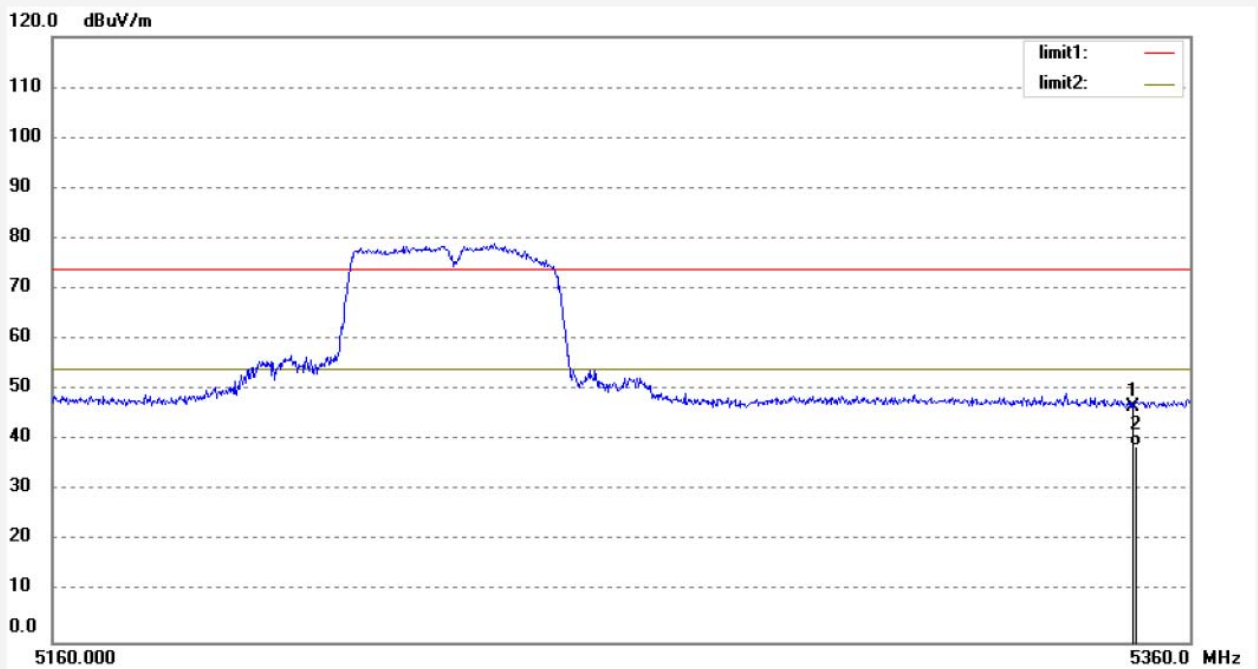
Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: star2018 #2127	Polarization: Horizontal
Standard: FCC PK	Power Source: DC 12V
Test item: Radiation Test	Date: 2018/06/22
Temp.(C)/Hum.(%) 23 C / 48 %	Time: 19:26:52
EUT: UP-Android 7 module	Engineer Signature: star
Mode: TX 5230MHz(802.11n)40MHz	Distance: 3m
Model: UPA000AN	
Manufacturer: CTOUCH Europe B.V.	

Note: Report No.:ATE20180786



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5350.000	39.91	6.86	46.77	74.00	-27.23	peak	150	329	
2	5350.000	31.87	6.86	38.73	54.00	-15.27	AVG	150	330	