

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:
$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$
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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Job No.: star2018 #2078

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: Horizontal

Power Source: DC 12V

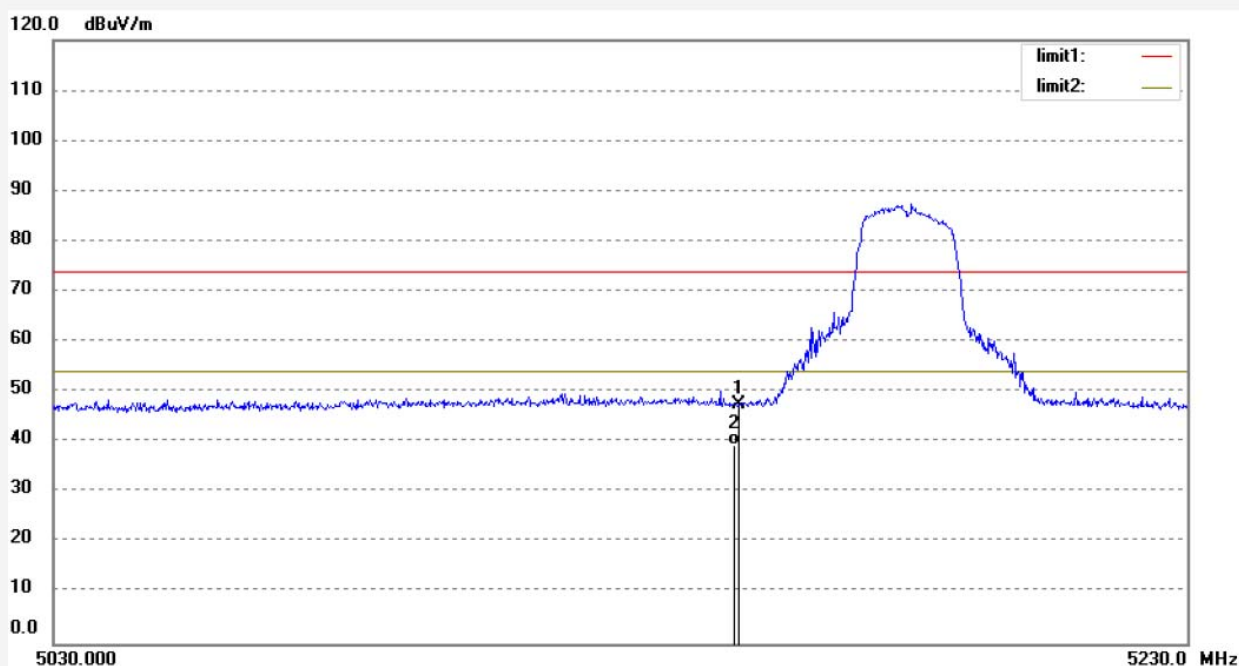
Date: 2018/06/22

Time: 18:23:45

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	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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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

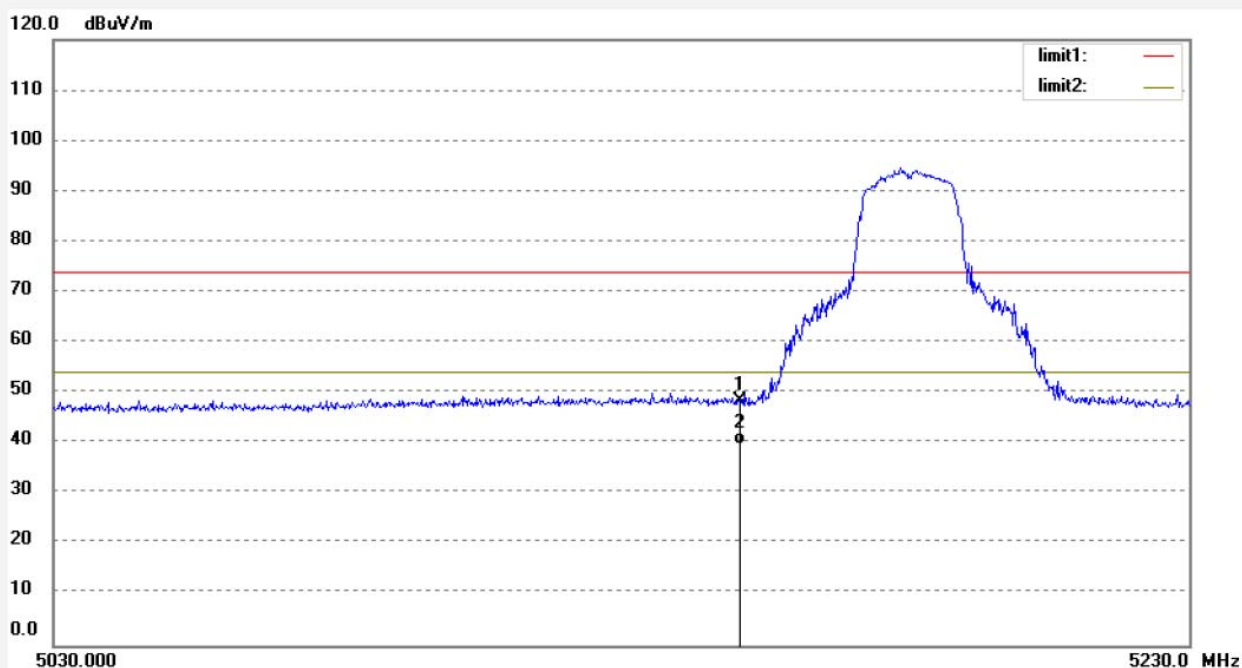
Date: 2018/06/22

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

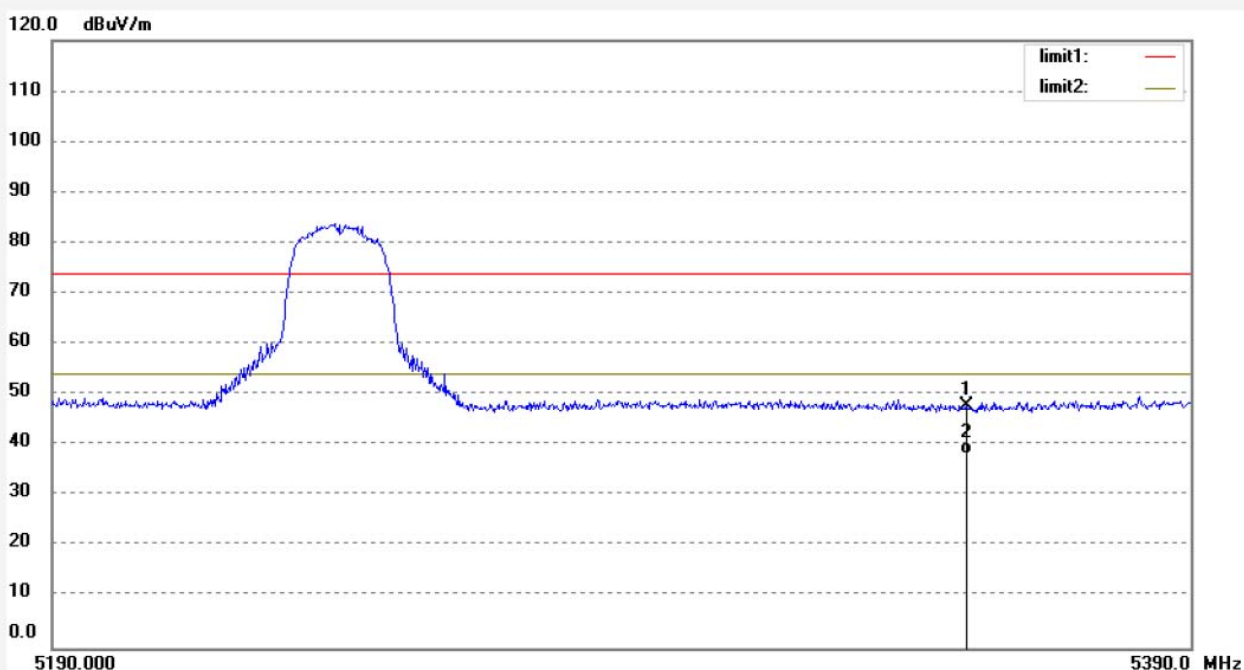
Date: 2018/06/22

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	

Job No.: star2018 #2080

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: Vertical

Power Source: DC 12V

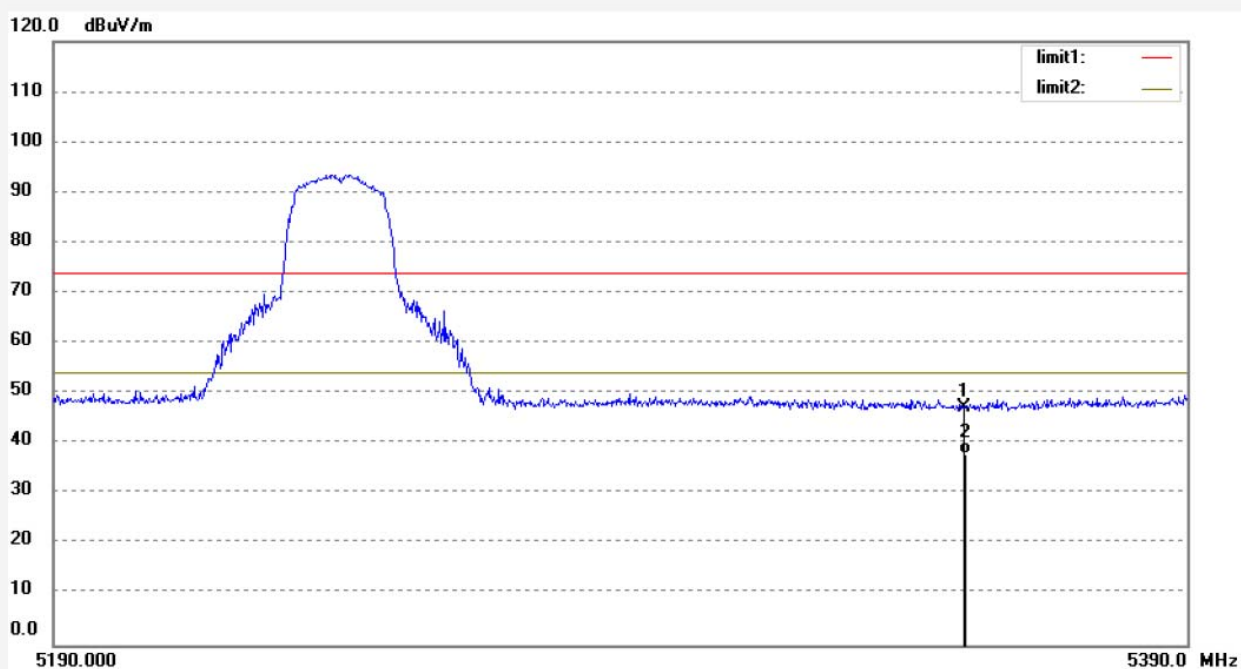
Date: 2018/06/22

Time: 18:26:40

Engineer Signature: star

Distance: 3m

Note: Report No.:ATE20180786

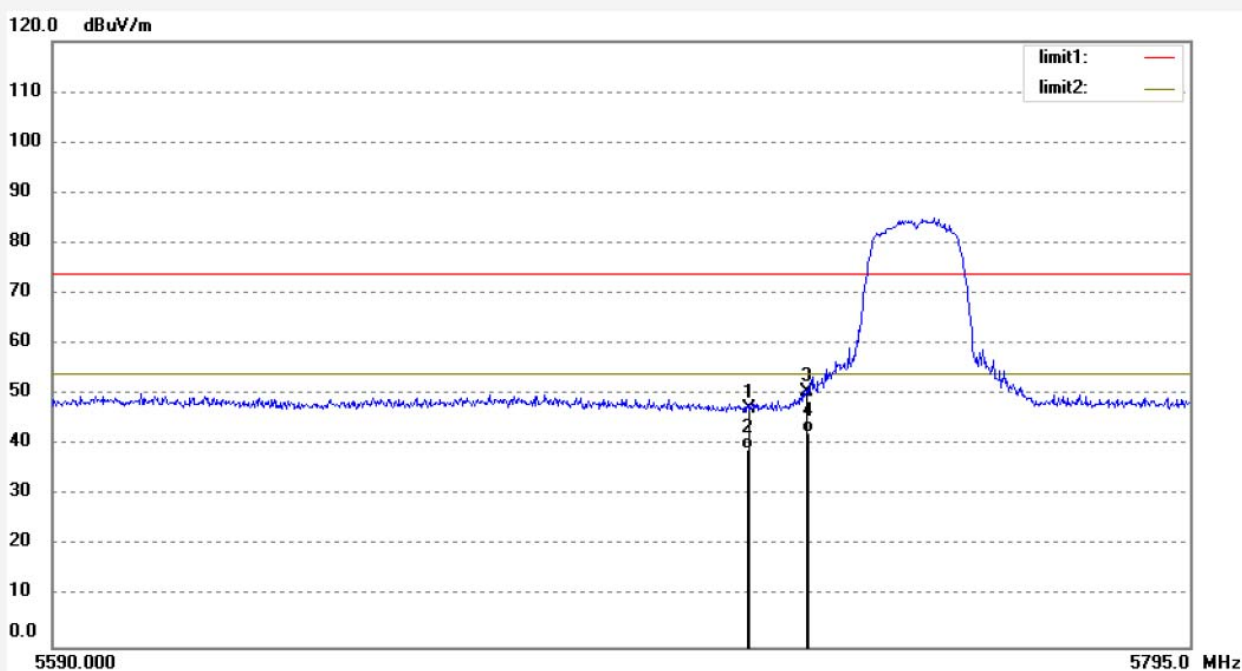


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5350.000	40.53	6.86	47.39	74.00	-26.61	peak	150	127	
2	5350.000	31.00	6.86	37.86	54.00	-16.14	AVG	150	130	

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	

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

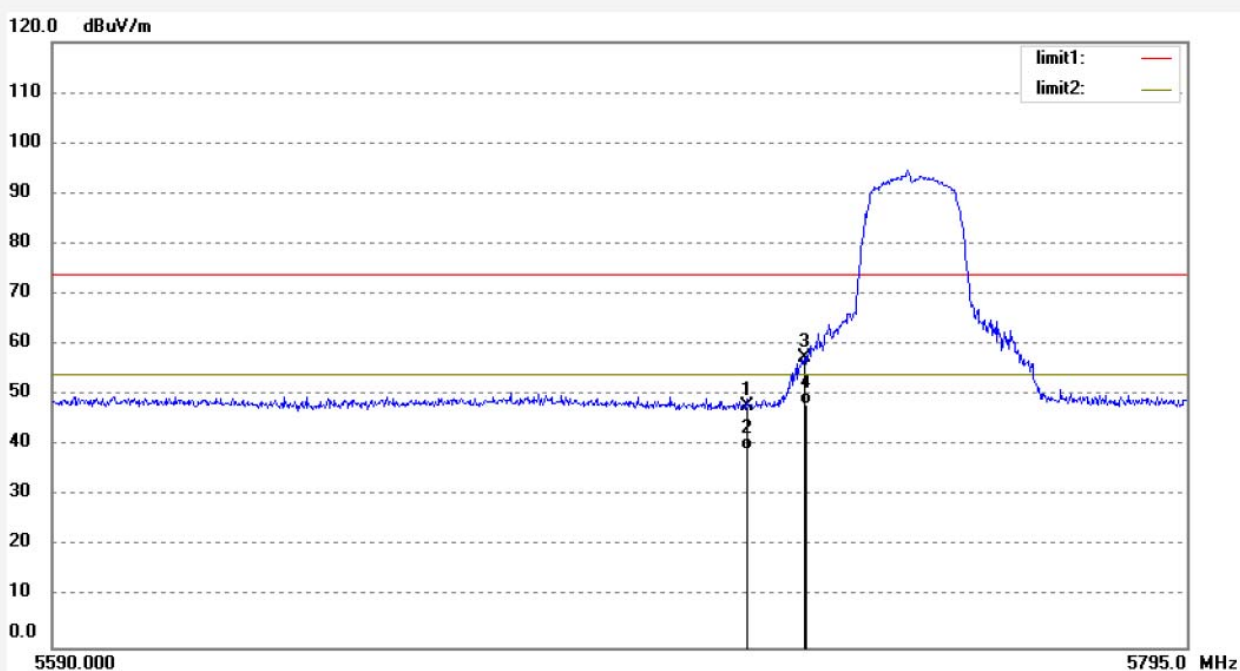
Date: 2018/06/22

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	

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

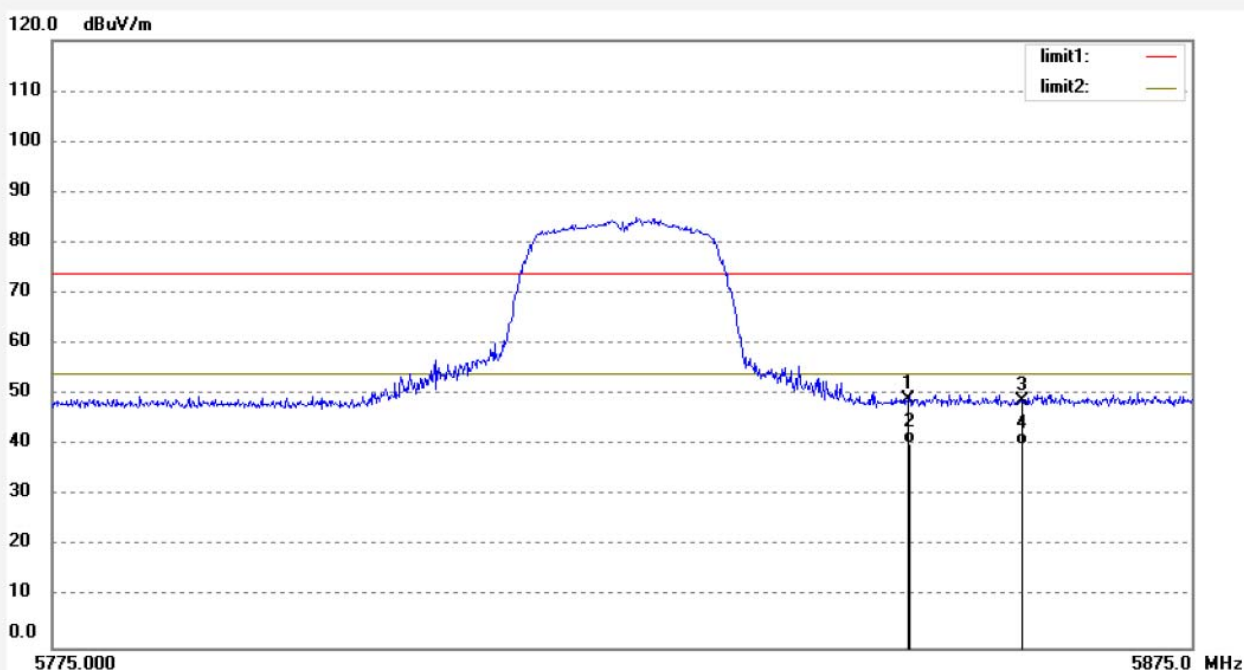
Date: 2018/06/22

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

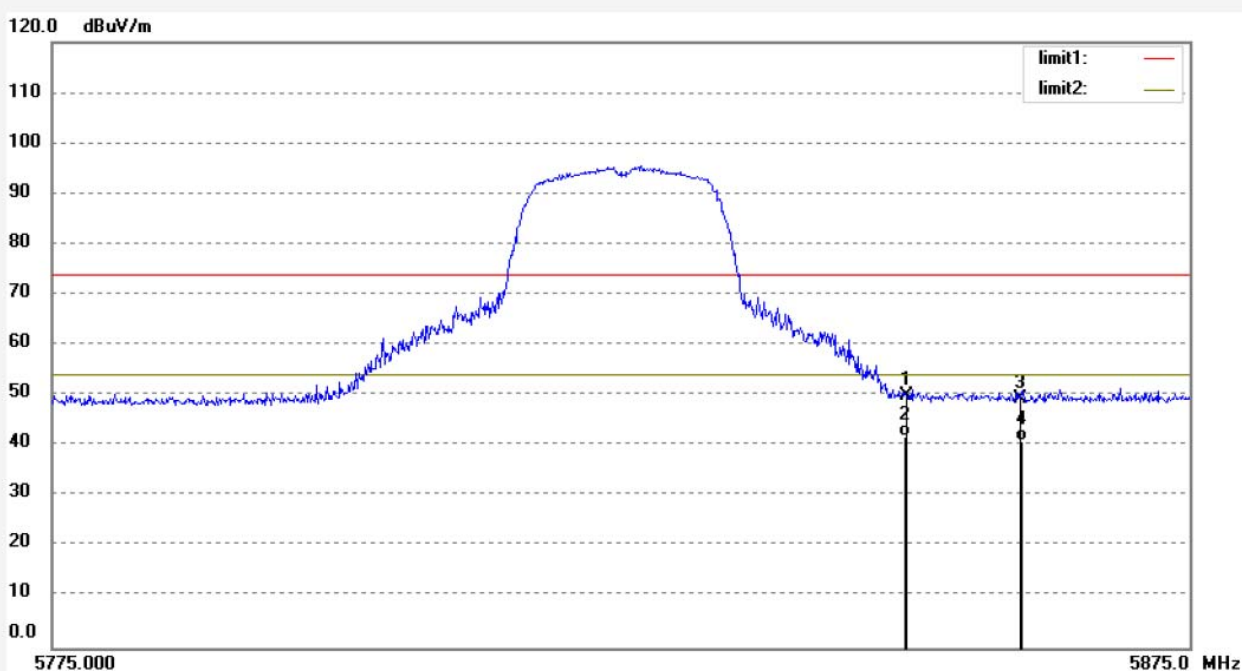
Date: 2018/06/22

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

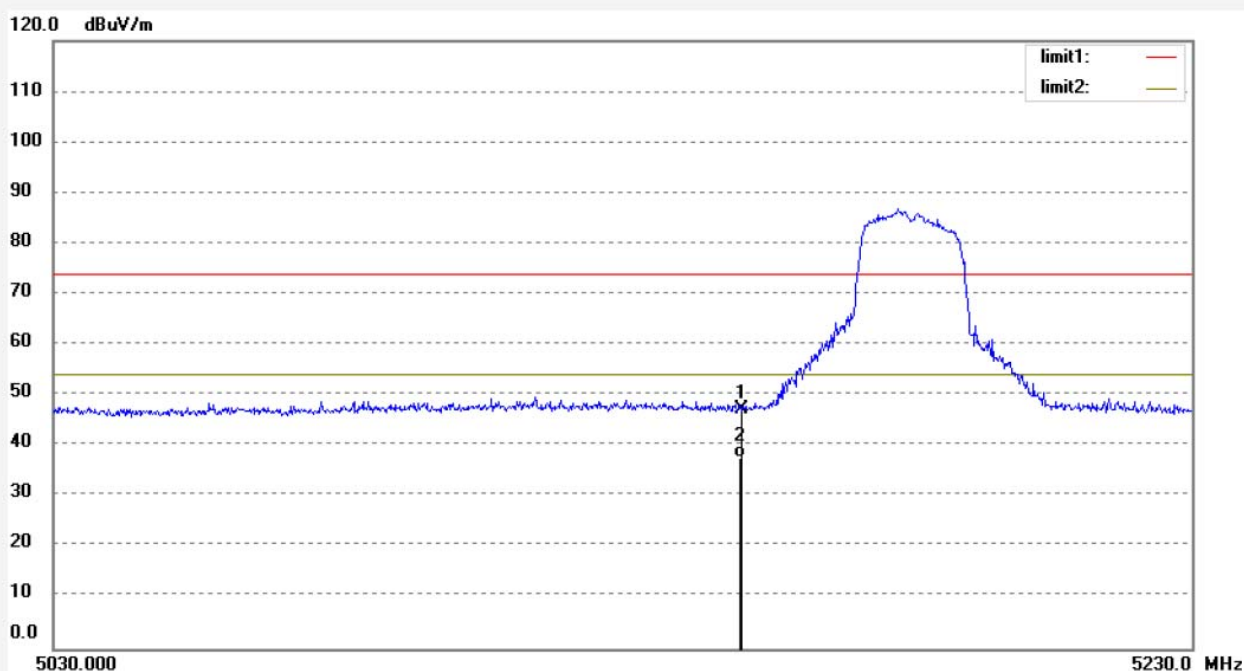
Tel:+86-0755-26503290

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Job No.: star2018 #2094
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: Horizontal
Power Source: DC 12V
Date: 2018/06/22
Time: 18:45:14
Engineer Signature: star
Distance: 3m

Note: Report No.:ATE20180786

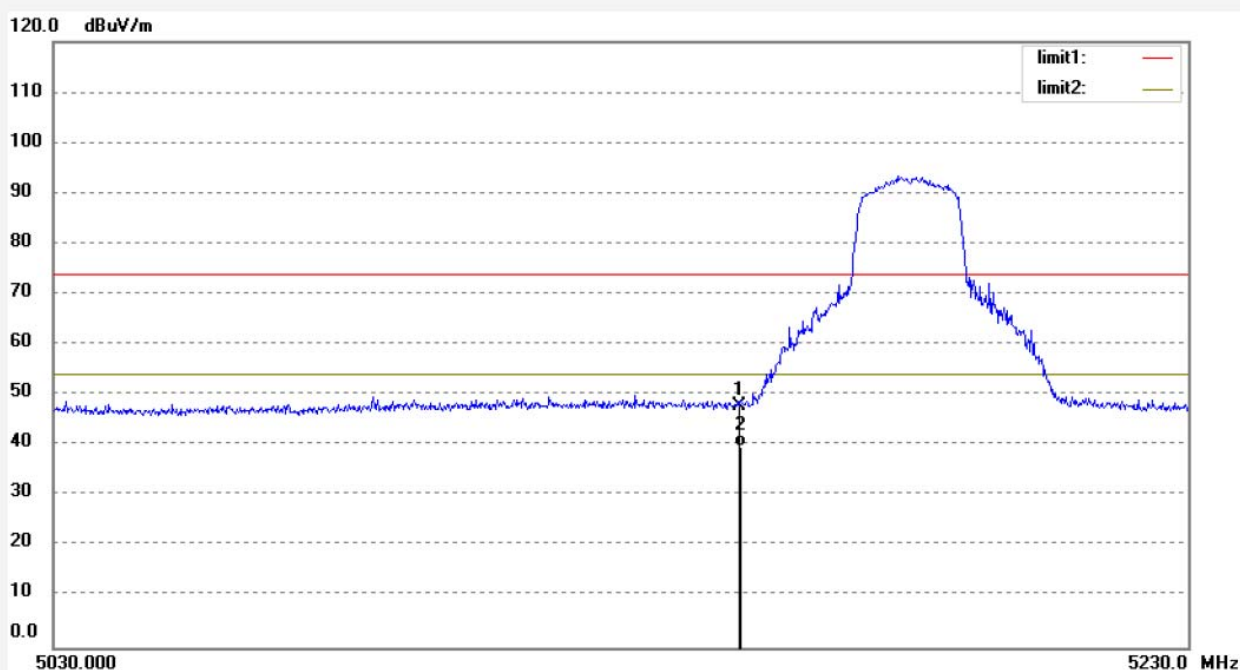


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5150.000	40.84	6.39	47.23	74.00	-26.77	peak	150	318	
2	5150.000	31.27	6.39	37.66	54.00	-16.34	AVG	150	320	

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	

Job No.: star2018 #2095

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: Horizontal

Power Source: DC 12V

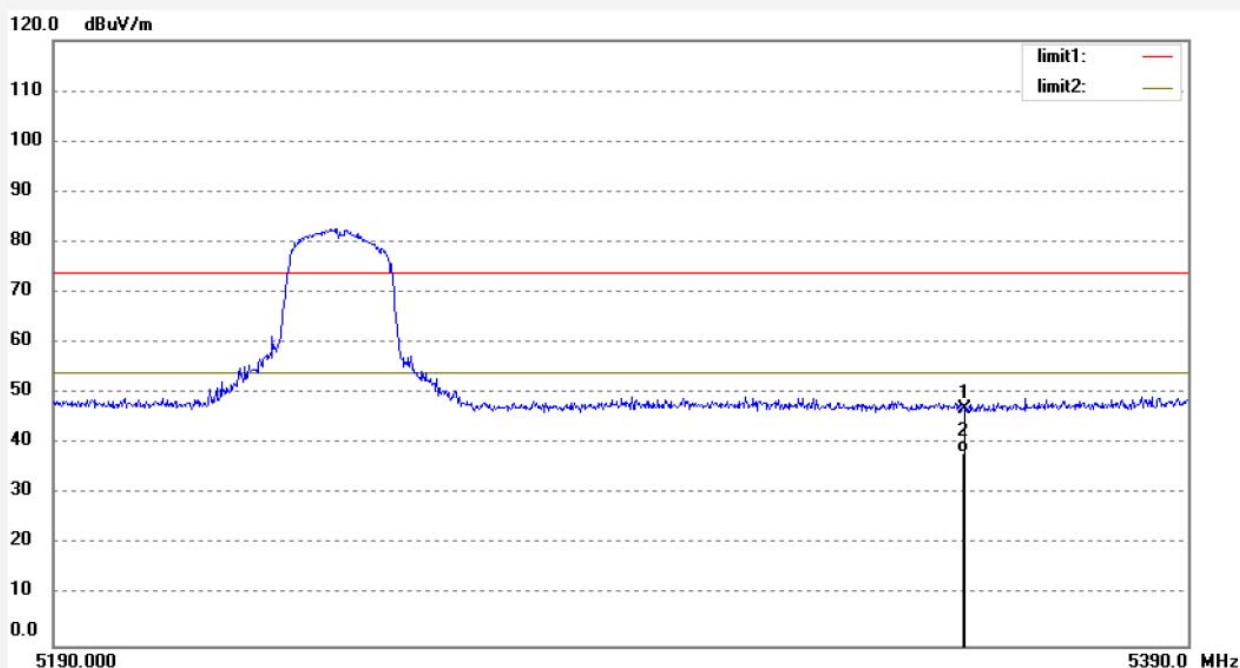
Date: 2018/06/22

Time: 18:46:44

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	40.20	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	

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

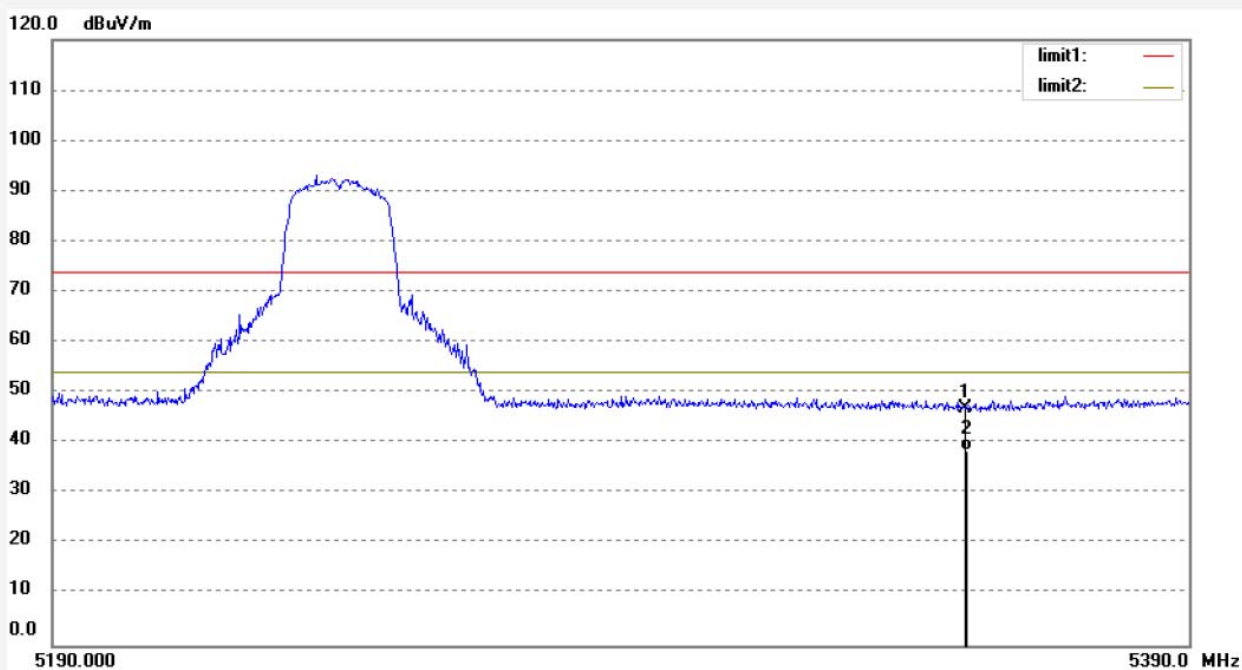
Date: 2018/06/22

Time: 18:47:37

Engineer Signature: star

Distance: 3m

Note: Report No.:ATE20180786

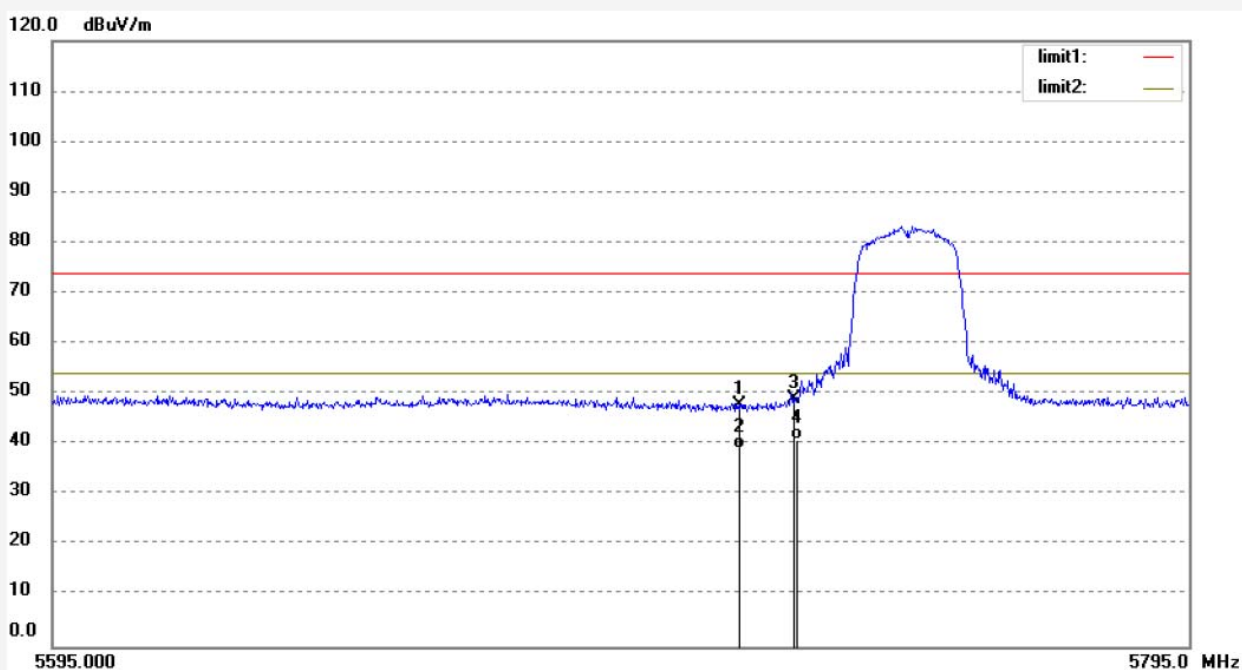


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5350.000	40.13	6.86	46.99	74.00	-27.01	peak	150	323	
2	5350.000	31.74	6.86	38.60	54.00	-15.40	AVG	150	330	

Job No.: star2018 #2106
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: Horizontal
Power Source: DC 12V
Date: 2018/06/22
Time: 18:59:41
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	40.25	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

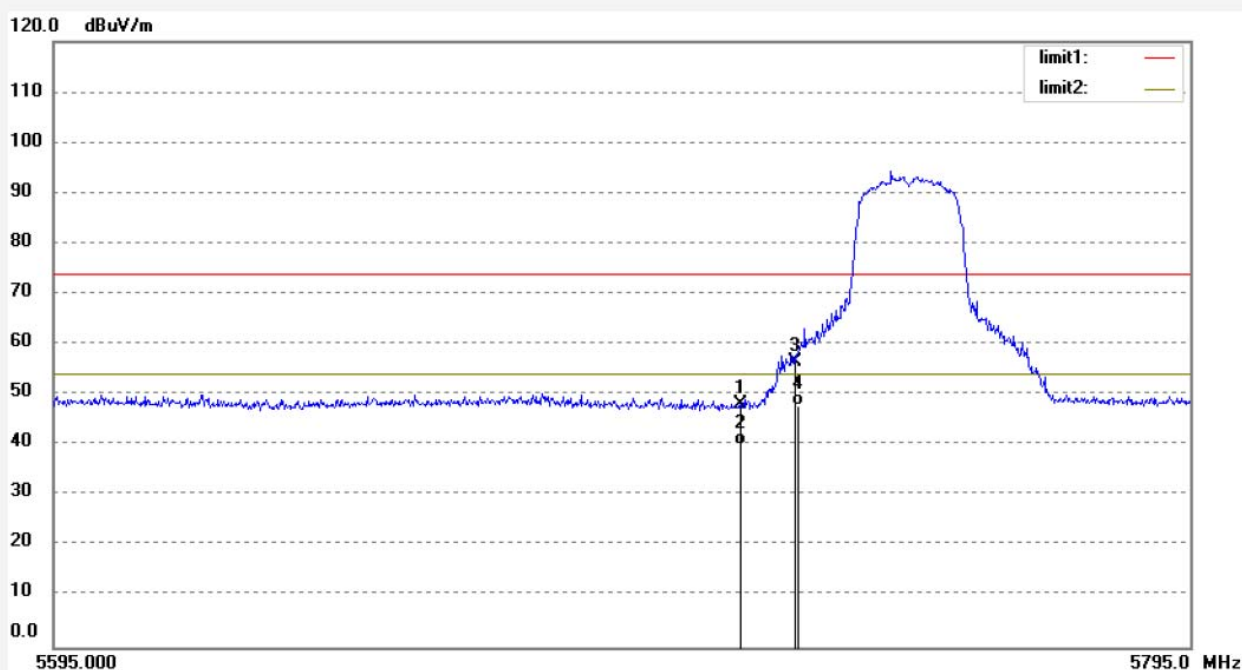
Tel:+86-0755-26503290

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	

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

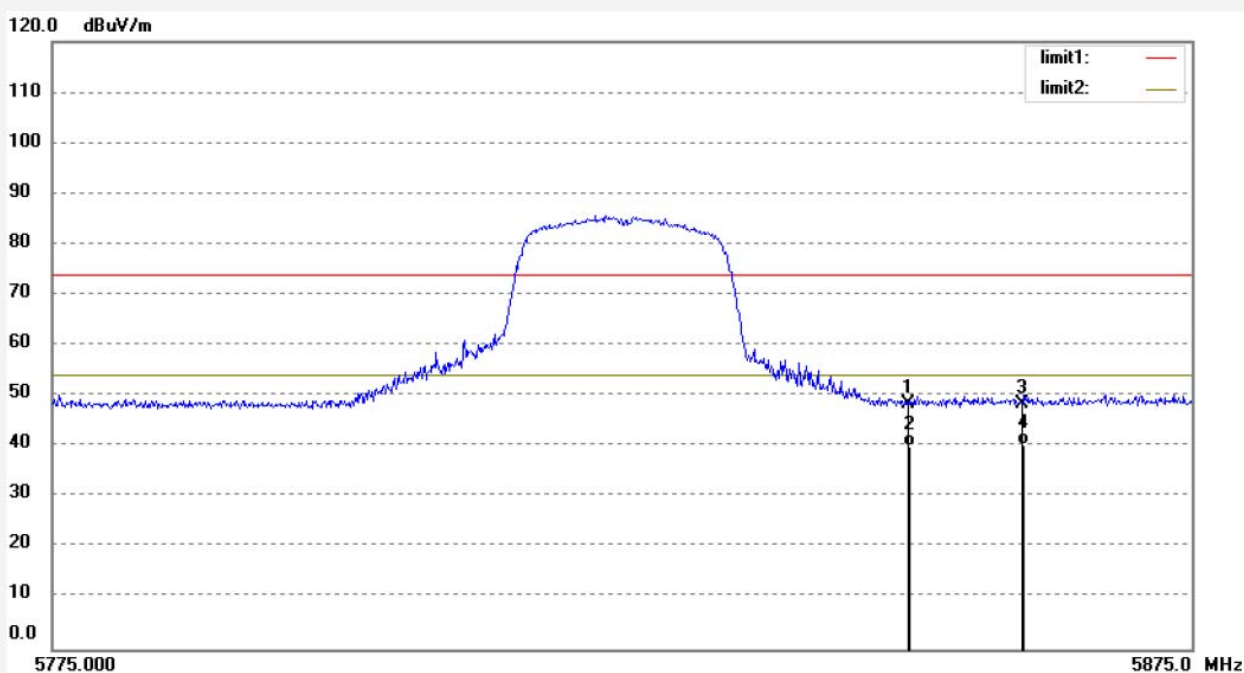
Date: 2018/06/22

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

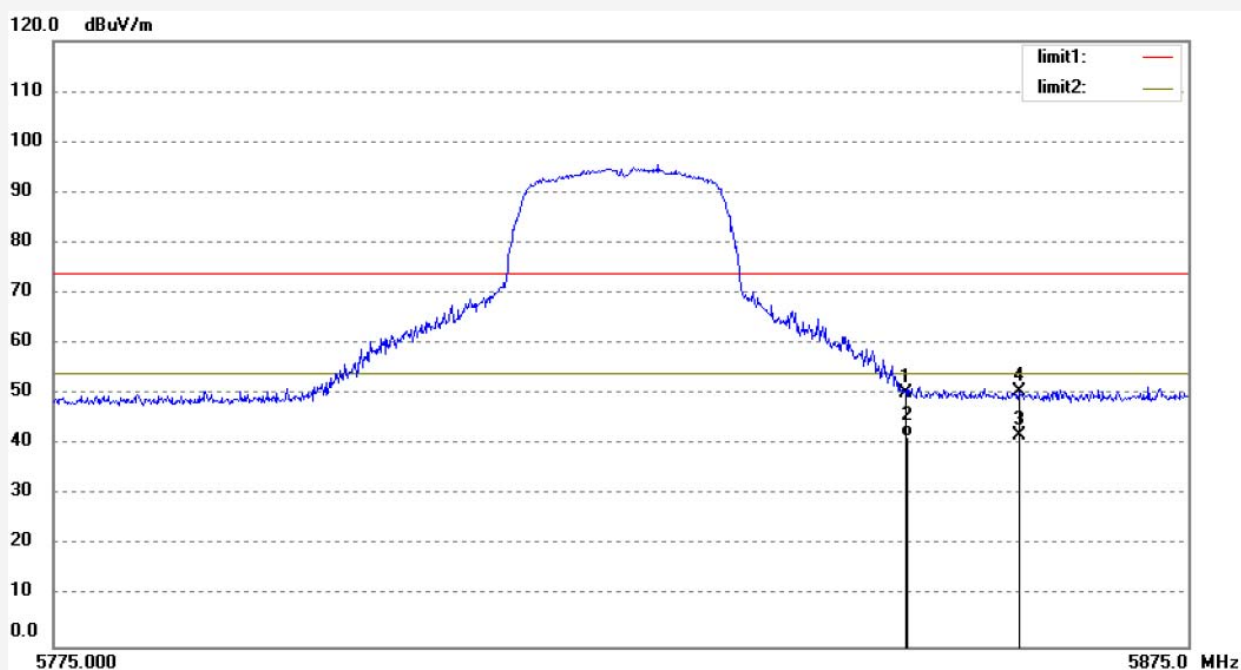
Tel:+86-0755-26503290

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



ACCURATE TECHNOLOGY CO., LTD.

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Job No.: star2018 #2110

Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: UP-Android 7 module

Mode: TX 5180MHz(802.11ac)

Model: UPA000AN

Manufacturer: CTOUCH Europe B.V.

Polarization: Horizontal

Power Source: DC 12V

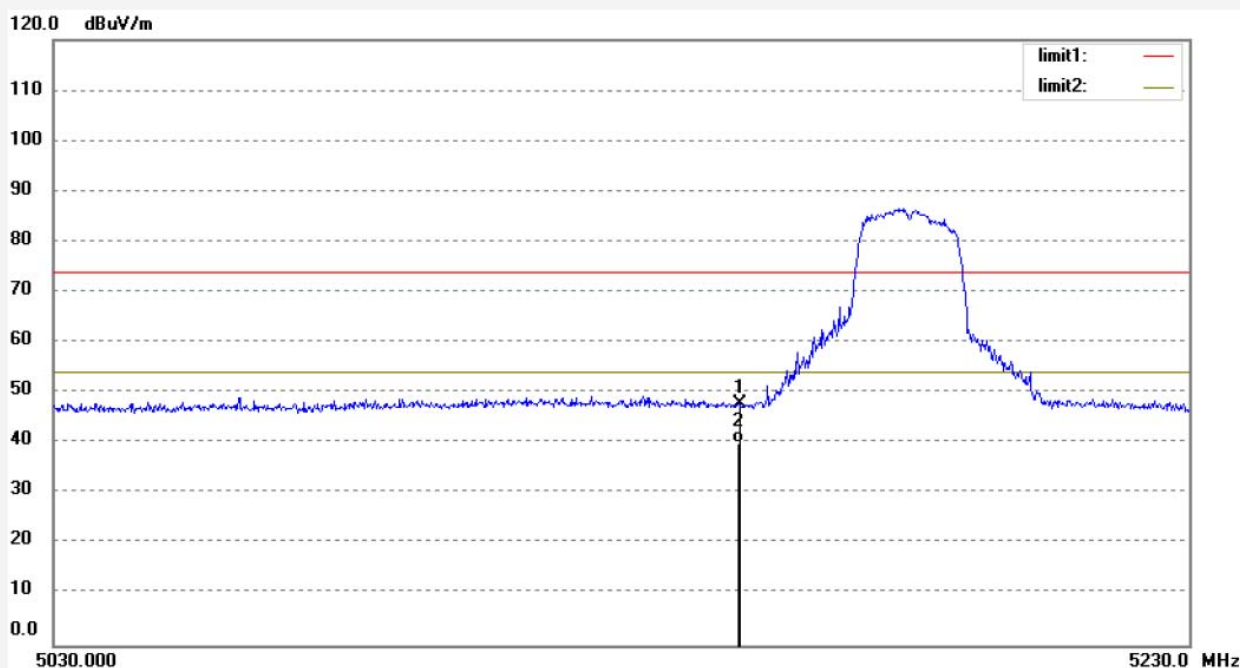
Date: 2018/06/22

Time: 19:04:57

Engineer Signature: star

Distance: 3m

Note: Report No.:ATE20180786

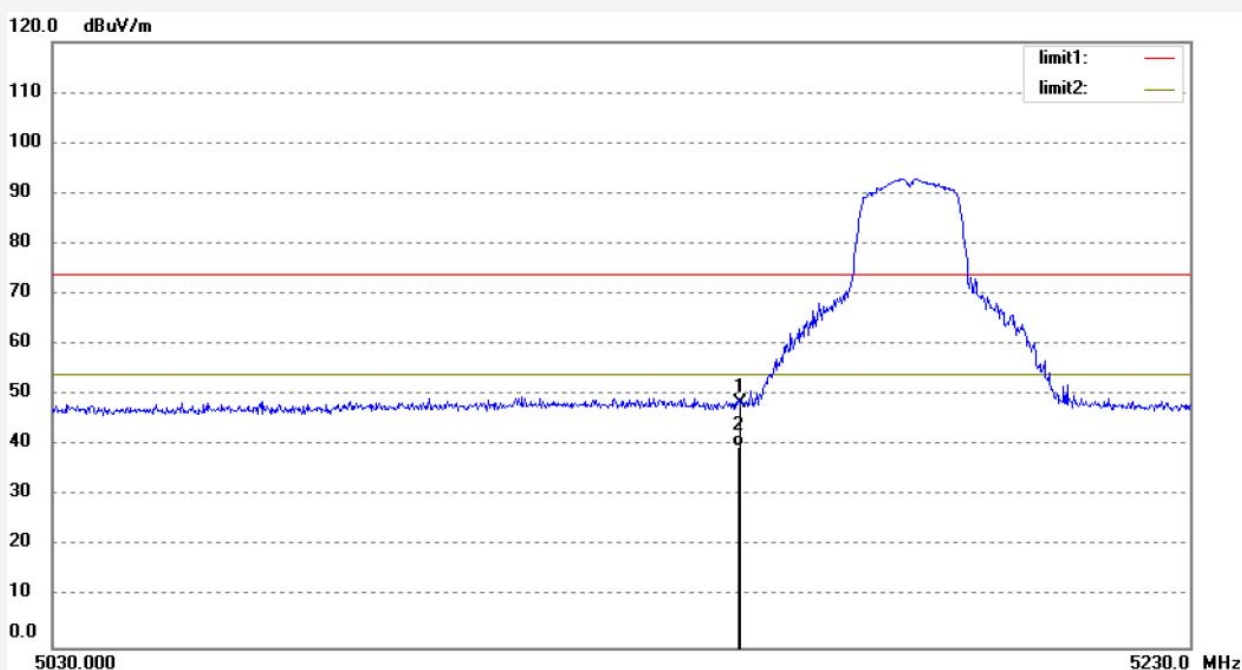


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5150.000	41.35	6.39	47.74	74.00	-26.26	peak	150	328	
2	5150.000	33.73	6.39	40.12	54.00	-13.88	AVG	150	330	

Job No.: star2018 #2109
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: UP-Android 7 module
Mode: TX 5180MHz(802.11ac)
Model: UPA000AN
Manufacturer: CTOUCH Europe B.V.

Polarization: Vertical
Power Source: DC 12V
Date: 2018/06/22
Time: 19:04:06
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	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	

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

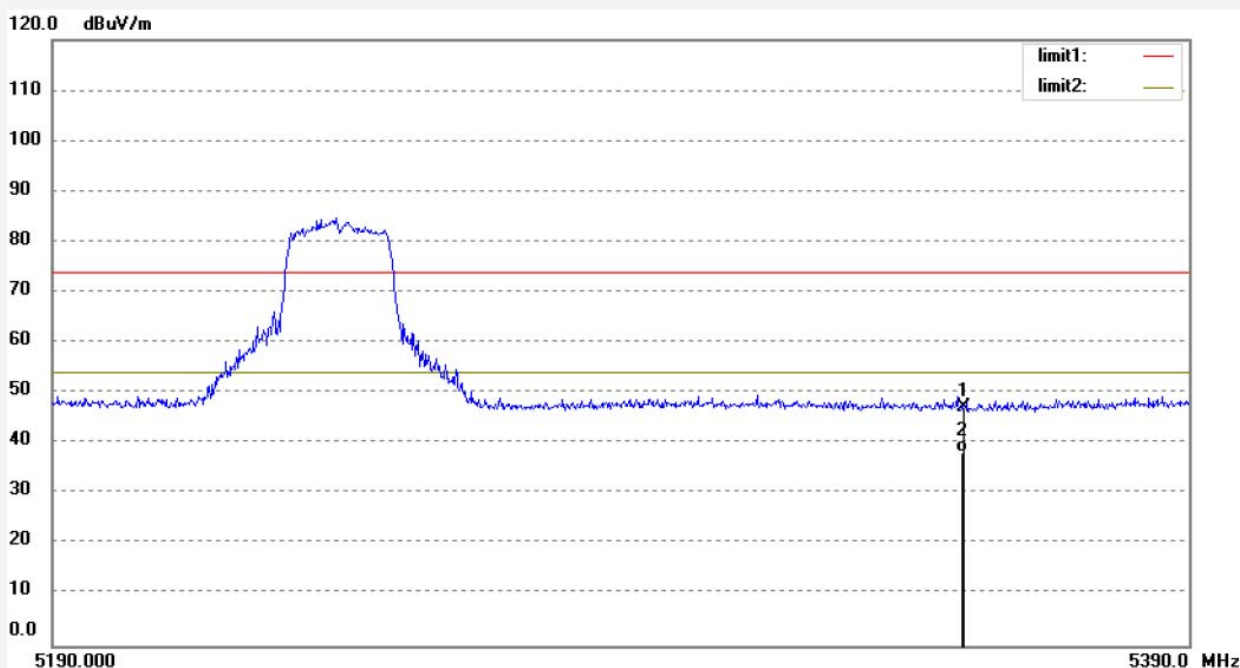
Date: 2018/06/22

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

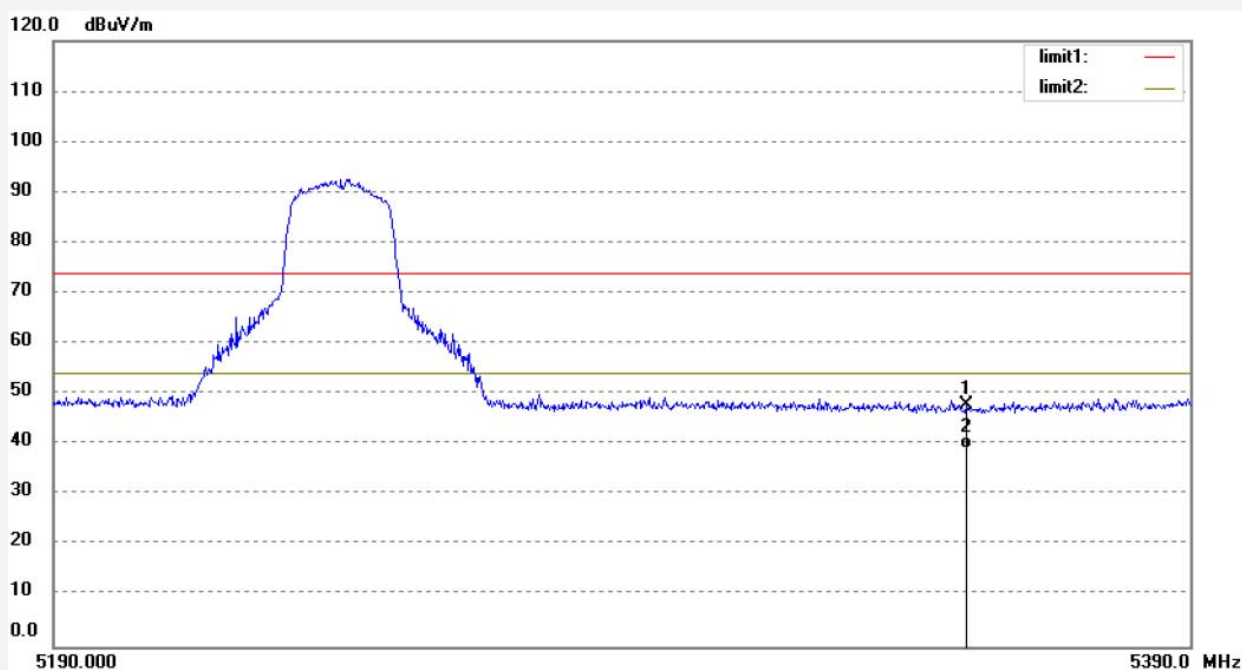
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Fax:+86-0755-26503396

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

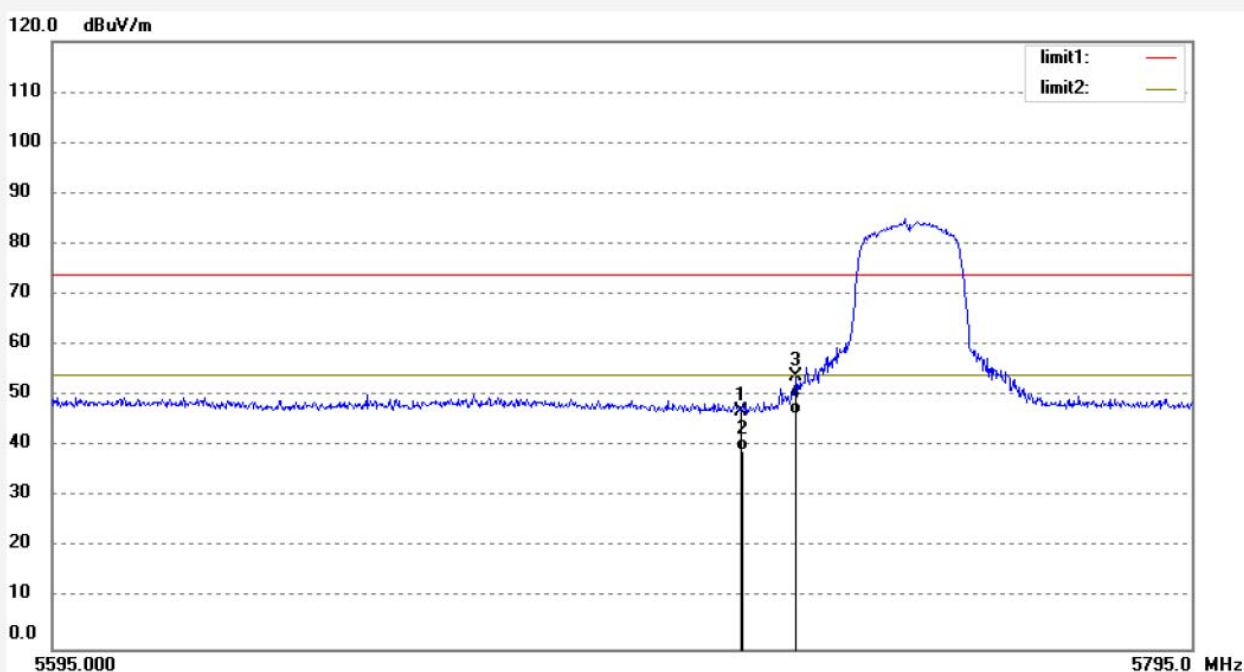
Date: 2018/06/22

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

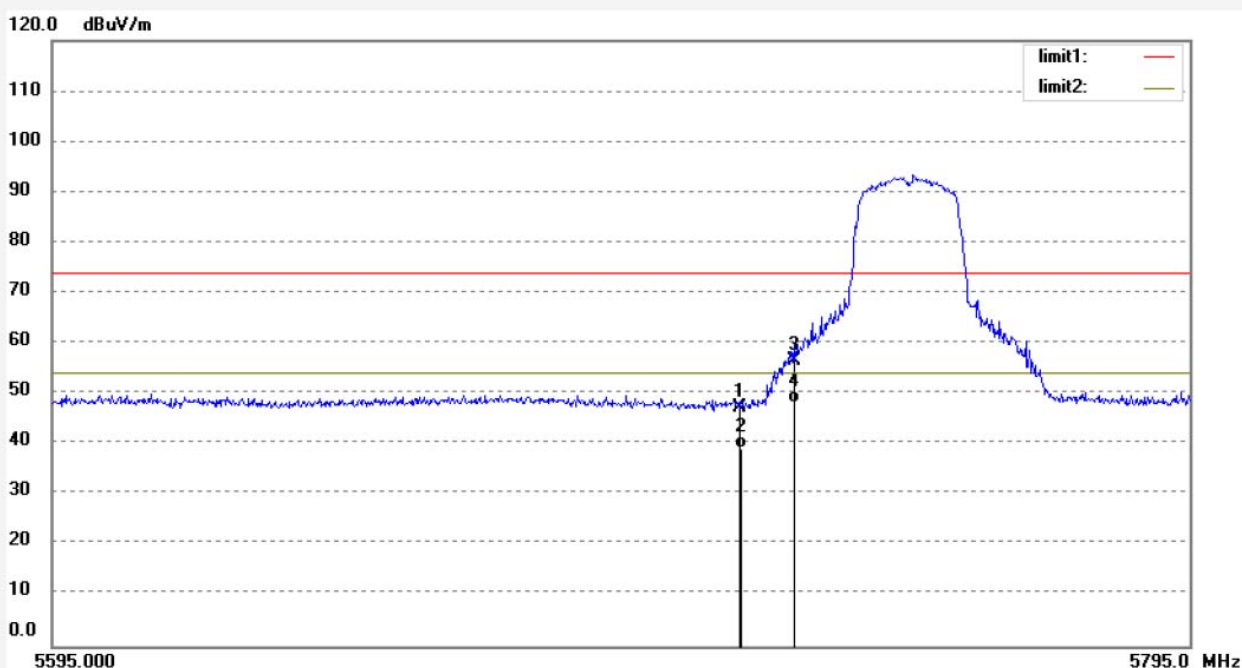
Date: 2018/06/22

Time: 19:18:53

Engineer Signature: star

Distance: 3m

Note: Report No.:ATE20180786

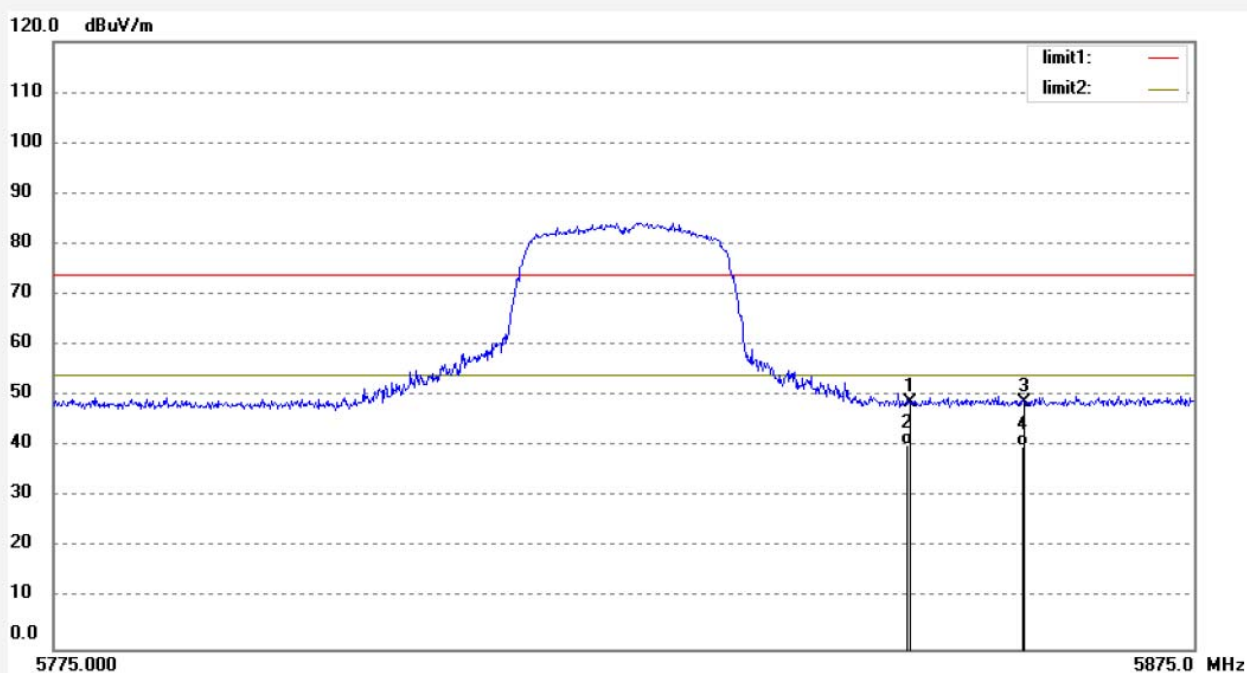


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5715.000	39.61	7.59	47.20	74.00	-26.80	peak	150	218	
2	5715.000	31.47	7.59	39.06	54.00	-14.94	AVG	150	220	
3	5725.000	48.80	7.65	56.45	74.00	-17.55	peak	150	327	
4	5725.000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

Job No.: star2018 #2123
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: Horizontal
Power Source: DC 12V
Date: 2018/06/22
Time: 19:21:18
Engineer Signature: star
Distance: 3m

Note: Report No.:ATE20180786

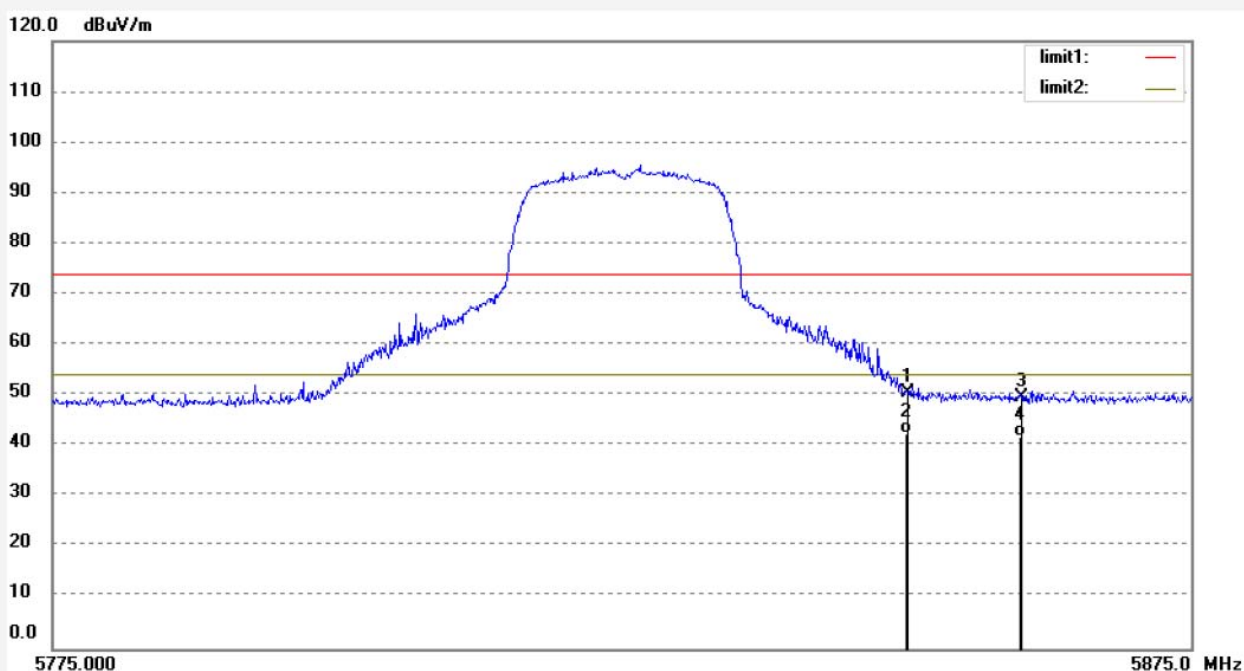


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5850.000	40.38	8.25	48.63	74.00	-25.37	peak	150	189	
2	5850.000	32.07	8.25	40.32	54.00	-13.68	AVG	150	190	
3	5860.000	40.40	8.28	48.68	74.00	-25.32	peak	150	329	
4	5860.000	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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Job No.: star2018 #2126

Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: UP-Android 7 module

Mode: TX 5190MHz(802.11n)40MHz

Model: UPA000AN

Manufacturer: CTOUCH Europe B.V.

Polarization: Horizontal

Power Source: DC 12V

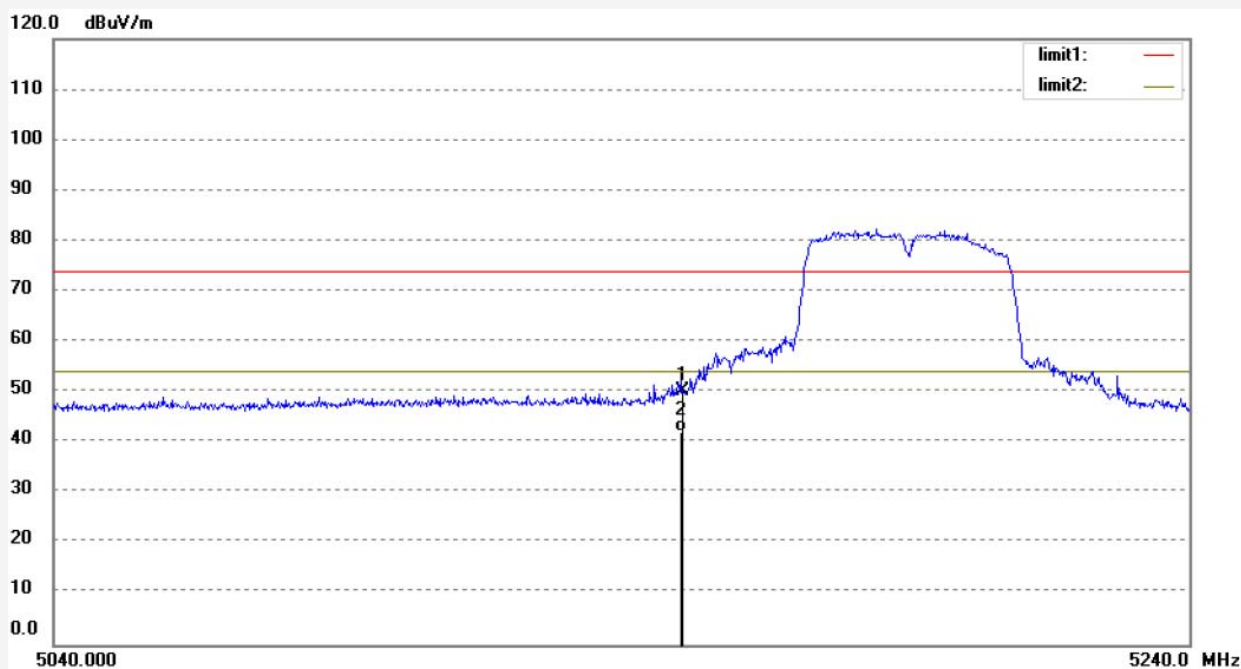
Date: 2018/06/22

Time: 19:25:20

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	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	

Job No.: star2018 #2125

Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: UP-Android 7 module

Mode: TX 5190MHz(802.11n)40MHz

Model: UPA000AN

Manufacturer: CTOUCH Europe B.V.

Polarization: Vertical

Power Source: DC 12V

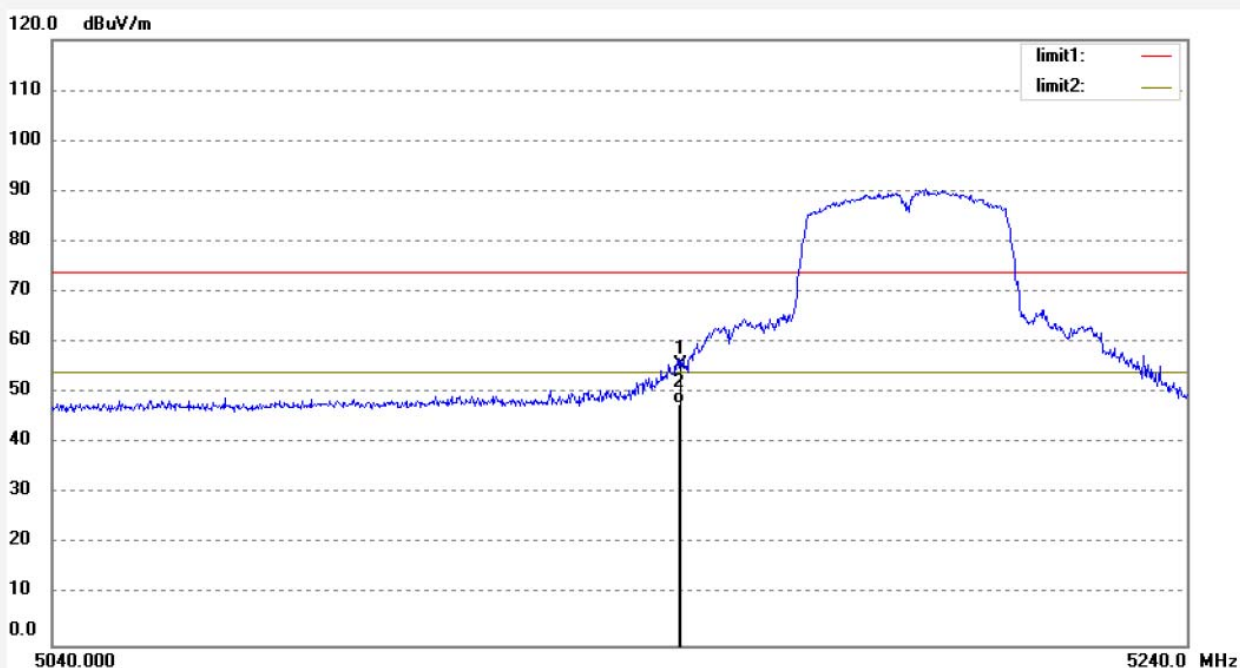
Date: 2018/06/22

Time: 19:24:30

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	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	

Job No.: star2018 #2127

Standard: FCC PK

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: UP-Android 7 module

Mode: TX 5230MHz(802.11n)40MHz

Model: UPA000AN

Manufacturer: CTOUCH Europe B.V.

Polarization: Horizontal

Power Source: DC 12V

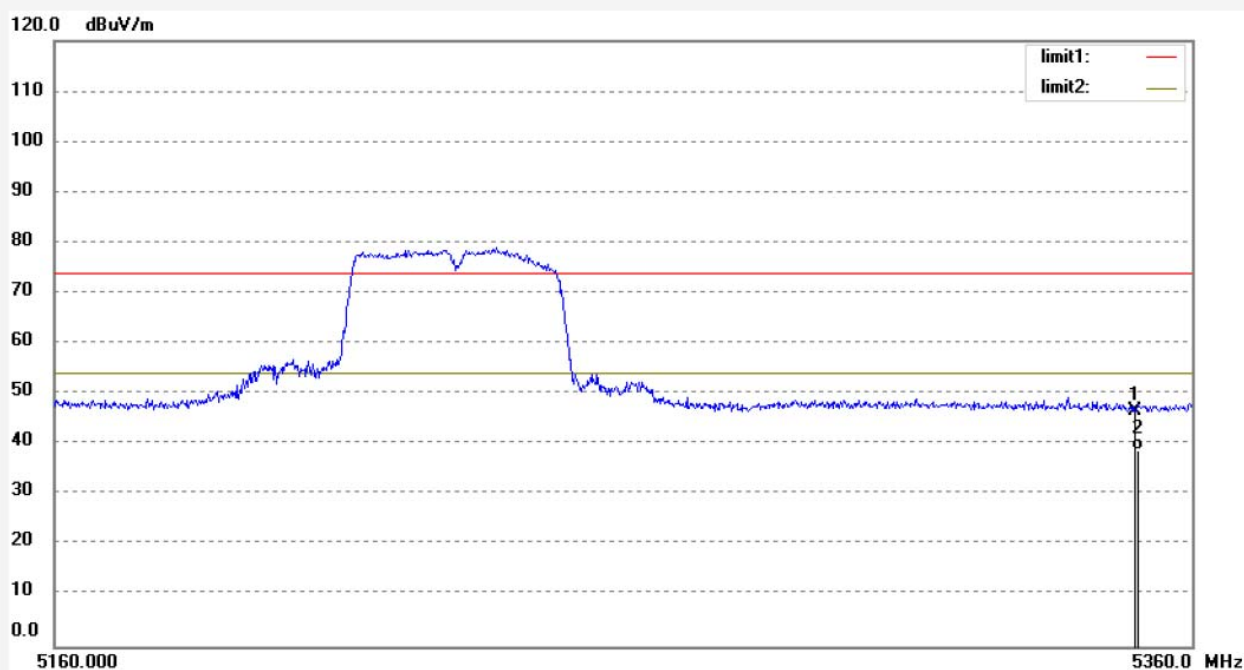
Date: 2018/06/22

Time: 19:26:52

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	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	