

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-07-27

Tested By:

Nan Zhong

EUT:

R/C QUADCOPTER

Model Number:

DR-ATS21G

Test Mode:

TX N20 5745MHz Mode

Power Supply:

Battery

Condition:

Temp:24.9°C;Humi:66.0%

Test Site:

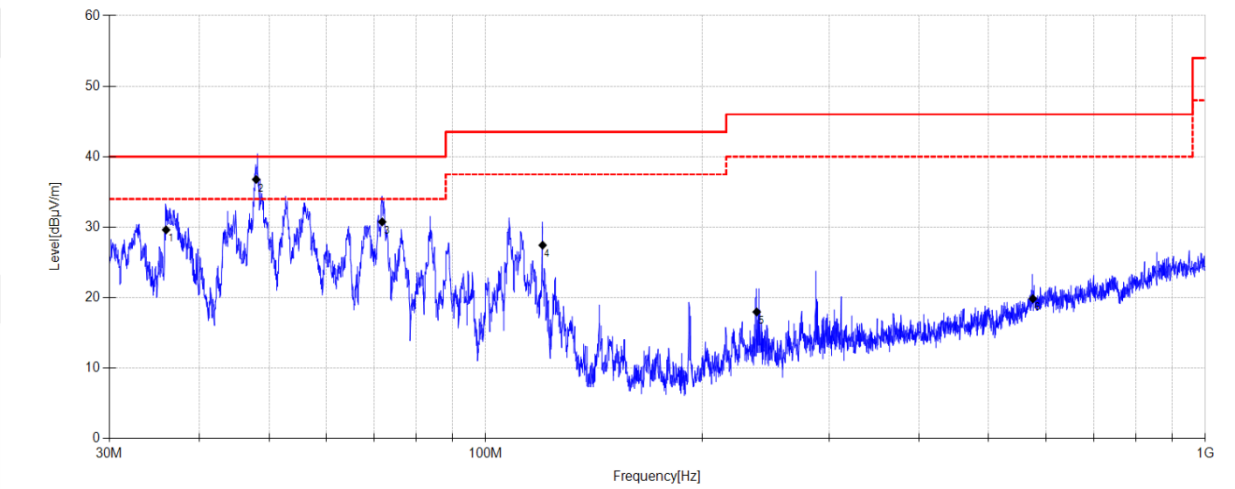
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25062721-1E\FCC BELOW1G\20250727-174151_V

Memo:

Sample Numble:S25062721-008 Power Setting:63



Final Data List									
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable Loss [dB]	Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	35.974	45.03	11.89	3.80	29.62	40.00	10.38	QP	Vertical
2	47.985	51.76	12.24	3.87	36.77	40.00	3.23	QP	Vertical
3	71.819	48.24	9.58	4.03	30.75	40.00	9.25	QP	Vertical
4	119.991	44.23	10.00	4.33	27.44	43.50	16.06	QP	Vertical
5	238.044	32.67	11.64	4.94	17.97	46.00	28.03	QP	Vertical
6	575.900	26.56	18.51	6.28	19.85	46.00	26.15	QP	Vertical

Note:

- Result Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
- Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-07-24

Tested By:

Nan Zhong

EUT:

R/C QUADCOPTER

Model Number:

DR-ATS21G

Test Mode:

TX N20 5745MHz Mode

Power Supply:

Battery

Condition:

Temp:24.9°C;Humi:66.0%

Test Site:

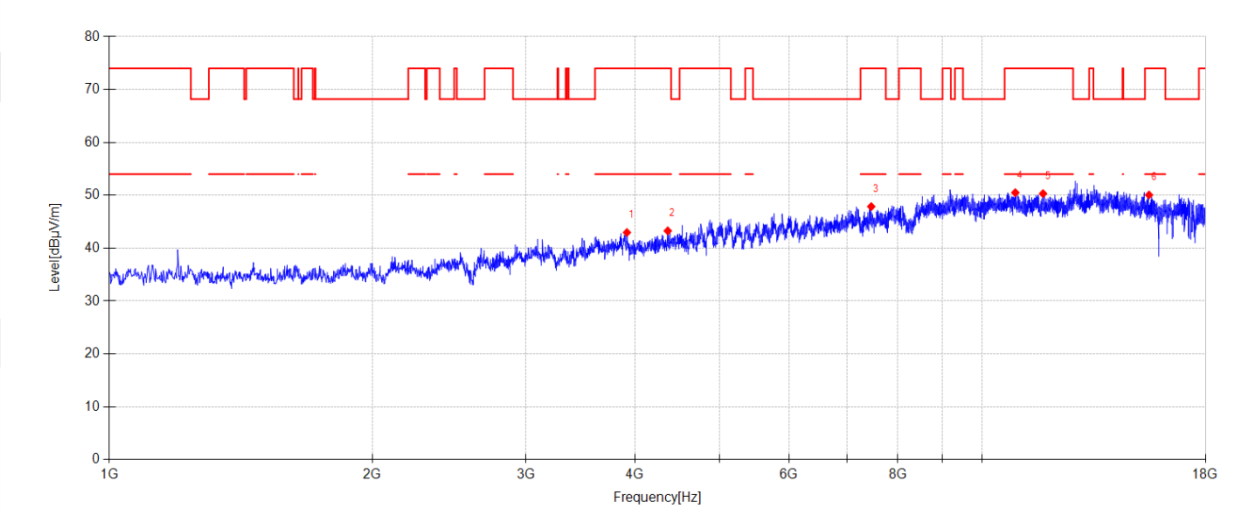
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25062721-1E\FCC ABOVE1G 5.8G\1

Memo:

Sample Numbler:S25062721-008 Power Setting:63



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3915.500	46.18	31.17	5.28	-39.66	42.97	74.00	31.03	PK	Horizontal
2	4360.900	45.56	31.62	5.74	-39.65	43.27	74.00	30.73	PK	Horizontal
3	7458.300	44.36	36.58	7.52	-40.59	47.87	74.00	26.13	PK	Horizontal
4	10904.200	41.86	39.30	8.39	-39.06	50.49	74.00	23.51	PK	Horizontal
5	11732.100	42.22	38.97	8.86	-39.73	50.32	74.00	23.68	PK	Horizontal
6	15516.300	40.67	38.77	10.02	-39.40	50.06	74.00	23.94	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-07-24

Tested By:

Nan Zhong

EUT:

R/C QUADCOPTER

Model Number:

DR-ATS21G

Test Mode:

TX N20 5745MHz Mode

Power Supply:

Battery

Condition:

Temp:24.9°C;Humi:66.0%

Test Site:

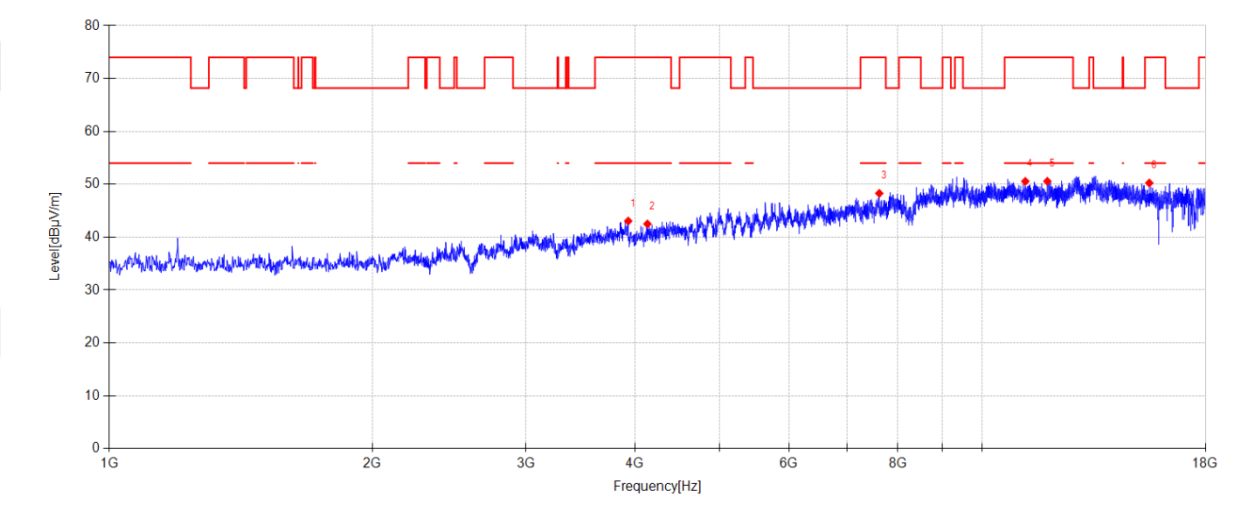
DDT 3# Chamber

File Path:

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Memo:

Sample Numbler:S25062721-008 Power Setting:63



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3929.100	46.28	31.14	5.29	-39.66	43.05	74.00	30.95	PK	Vertical
2	4133.100	45.53	31.17	5.47	-39.67	42.50	74.00	31.50	PK	Vertical
3	7618.100	44.56	36.54	7.63	-40.44	48.29	74.00	25.71	PK	Vertical
4	11196.600	42.02	39.20	8.54	-39.20	50.56	74.00	23.44	PK	Vertical
5	11866.400	42.61	38.90	8.94	-39.87	50.58	74.00	23.42	PK	Vertical
6	15528.200	40.87	38.74	10.03	-39.40	50.24	74.00	23.76	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-07-24

Tested By:

Nan Zhong

EUT:

R/C QUADCOPTER

Model Number:

DR-ATS21G

Test Mode:

TX N20 5785MHz Mode

Power Supply:

Battery

Condition:

Temp:24.9°C;Humi:66.0%

Test Site:

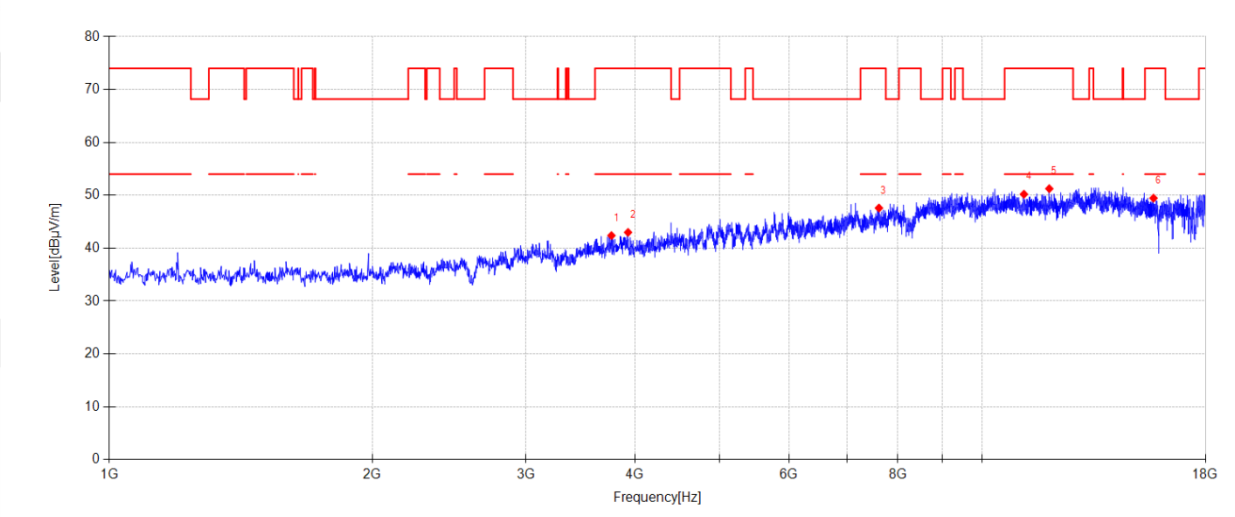
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25062721-1E\FCC ABOVE1G 5.8G\3

Memo:

Sample Numbler:S25062721-008 Power Setting:63



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3759.100	46.22	30.54	5.24	-39.62	42.38	74.00	31.62	PK	Horizontal
2	3927.400	46.21	31.15	5.29	-39.66	42.99	74.00	31.01	PK	Horizontal
3	7611.300	43.90	36.52	7.62	-40.45	47.59	74.00	26.41	PK	Horizontal
4	11157.500	41.61	39.24	8.51	-39.16	50.20	74.00	23.80	PK	Horizontal
5	11927.600	43.22	38.98	8.98	-39.93	51.25	74.00	22.75	PK	Horizontal
6	15701.600	40.25	38.50	10.11	-39.40	49.46	74.00	24.54	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-07-24

Tested By:

Nan Zhong

EUT:

R/C QUADCOPTER

Model Number:

DR-ATS21G

Test Mode:

TX N20 5785MHz Mode

Power Supply:

Battery

Condition:

Temp:24.9°C;Humi:66.0%

Test Site:

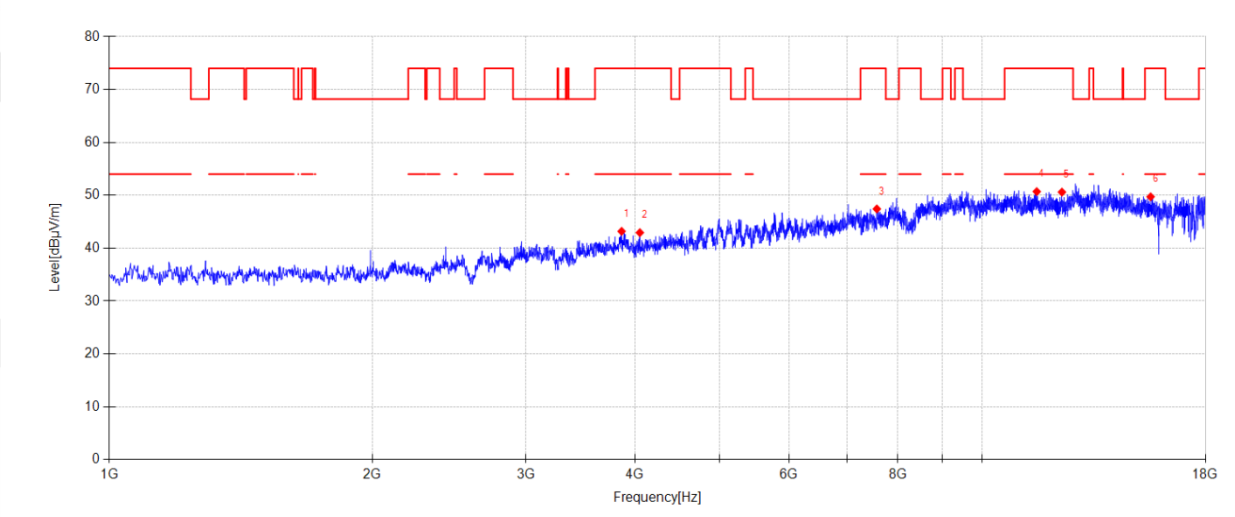
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25062721-1E\FCC ABOVE1G 5.8G\4

Memo:

Sample Numbler:S25062721-008 Power Setting:63



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3861.100	46.59	30.97	5.27	-39.65	43.18	74.00	30.82	PK	Vertical
2	4051.500	46.24	31.00	5.37	-39.68	42.93	74.00	31.07	PK	Vertical
3	7568.800	43.88	36.44	7.59	-40.49	47.42	74.00	26.58	PK	Vertical
4	11540.000	42.38	39.12	8.74	-39.54	50.70	74.00	23.30	PK	Vertical
5	12332.200	42.07	39.30	9.17	-39.93	50.61	74.00	23.39	PK	Vertical
6	15582.600	40.44	38.63	10.05	-39.40	49.72	74.00	24.28	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-07-24

Tested By:

Nan Zhong

EUT:

R/C QUADCOPTER

Model Number:

DR-ATS21G

Test Mode:

TX N20 5825MHz Mode

Power Supply:

Battery

Condition:

Temp:24.9°C;Humi:66.0%

Test Site:

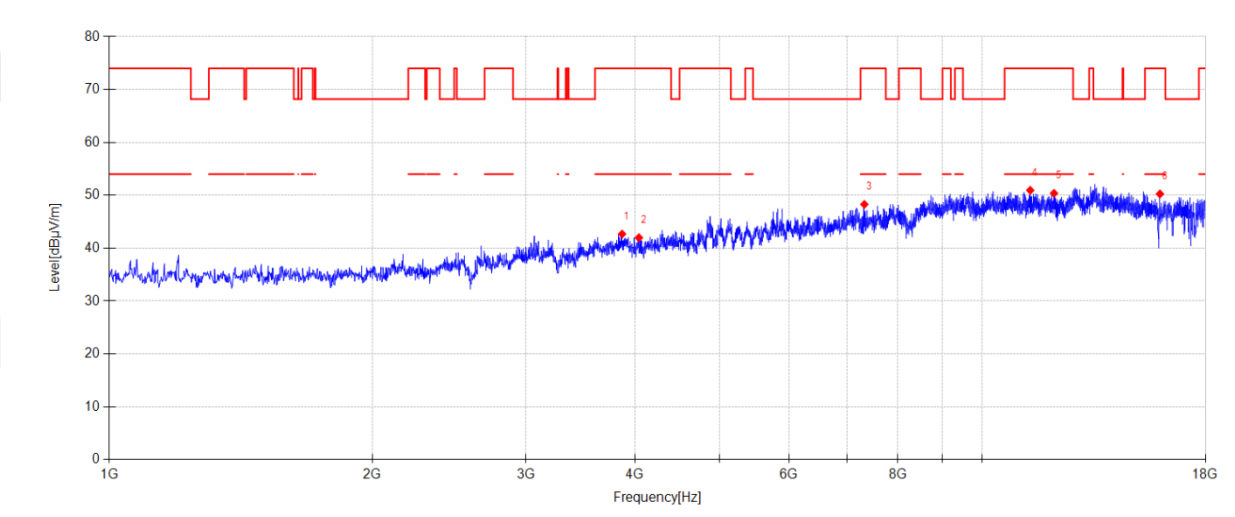
DDT 3# Chamber

File Path:

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Memo:

Sample Numbler:S25062721-008 Power Setting:63



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3866.200	46.05	31.00	5.27	-39.65	42.67	74.00	31.33	PK	Horizontal
2	4041.300	45.32	30.98	5.36	-39.68	41.98	74.00	32.02	PK	Horizontal
3	7324.000	44.71	36.85	7.44	-40.71	48.29	74.00	25.71	PK	Horizontal
4	11342.800	42.42	39.24	8.63	-39.34	50.95	74.00	23.05	PK	Horizontal
5	12077.200	42.02	39.28	9.06	-39.98	50.38	74.00	23.62	PK	Horizontal
6	15968.500	41.39	38.03	10.23	-39.40	50.25	74.00	23.75	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-07-24

Tested By:

Nan Zhong

EUT:

R/C QUADCOPTER

Model Number:

DR-ATS21G

Test Mode:

TX N20 5825MHz Mode

Power Supply:

Battery

Condition:

Temp:24.9°C;Humi:66.0%

Test Site:

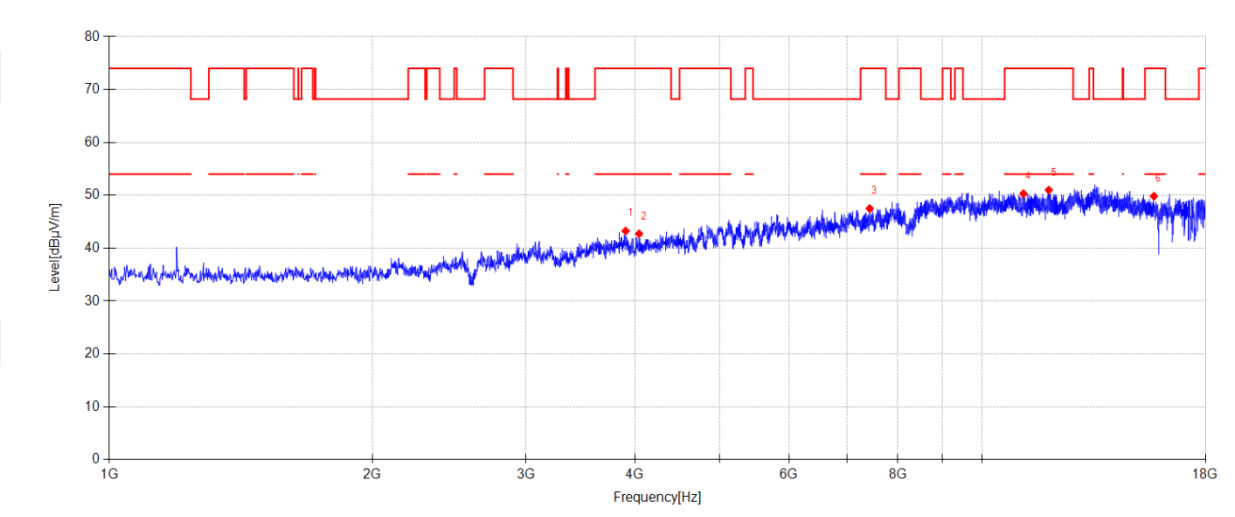
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25062721-1E\FCC ABOVE1G 5.8G\6

Memo:

Sample Numbler:S25062721-008 Power Setting:63



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	3901.900	46.43	31.20	5.28	-39.66	43.25	74.00	30.75	PK	Vertical
2	4043.000	46.05	30.99	5.36	-39.68	42.72	74.00	31.28	PK	Vertical
3	7427.700	43.98	36.64	7.50	-40.62	47.50	74.00	26.50	PK	Vertical
4	11140.500	41.68	39.26	8.50	-39.14	50.30	74.00	23.70	PK	Vertical
5	11912.300	42.99	38.94	8.97	-39.91	50.99	74.00	23.01	PK	Vertical
6	15716.900	40.65	38.47	10.11	-39.40	49.83	74.00	24.17	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

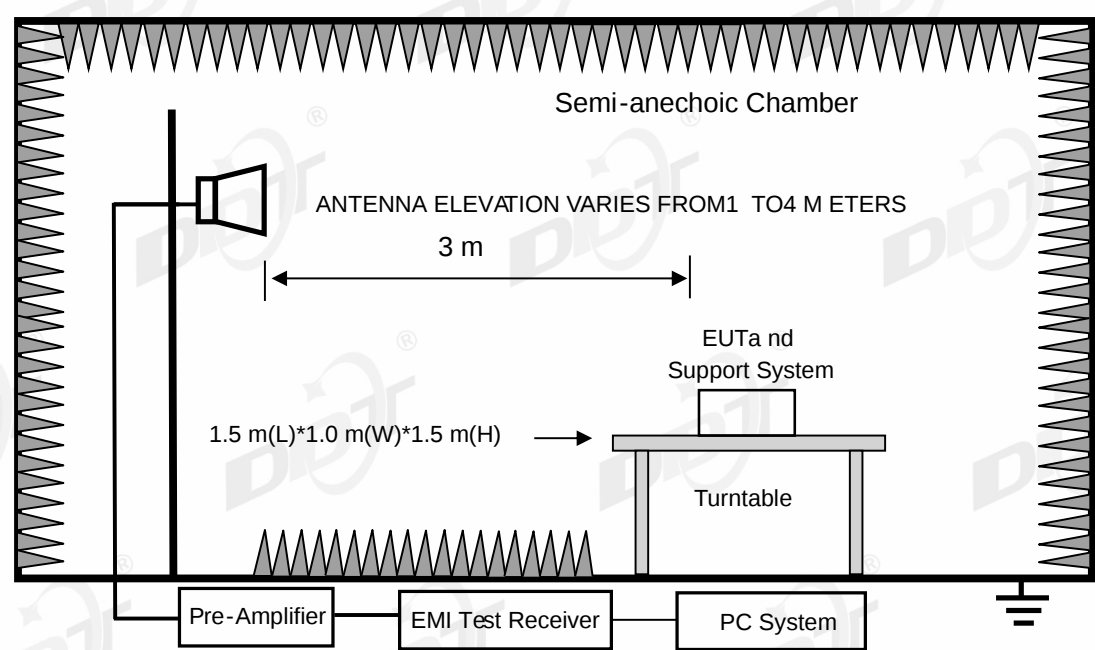
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

13. Band Edge Compliance

13.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To	Cal. Interval
Micro-Tronics filters	REBES	BRM50702	DDT-ZC03242	/	/
RF Cable	N/A	W24.02 HL-562	DDT-ZC04022	2026/03/28	1 Year
RF cable	Yuhu Technology	JCTB810-NJ-NJ-9M	DDT-ZC02538	2026/03/28	1 Year
RF cable	Zhongke Junchuang	JCT26S-NJ-NJ-1.5M	DDT-ZC02762	2026/03/28	1 Year
RF cable	Yuhu Technology	ZT26S-SMAJ-SMAJ-1M	DDT-ZC02037	2026/03/28	1 Year
RF Cable	N/A	W13.02 AP1-X2	DDT-ZC04023	2026/03/28	1 Year
Pre-amplifier	COM-POWER	PAM-840A	DDT-ZC01693	2026/03/28	1 Year
Pre-amplifier	COM-POWER	PAM-118A	DDT-ZC01293	2025/08/25	1 Year
High pass filter	Micro-Tronics	HPM50102	DDT-ZC00561	2026/03/28	1 Year
EMI TEST RECEIVER	R&S	ESU26	DDT-ZC01909	2026/03/28	1 Year
High pass filter	Micro-Tronics	HPM50108	DDT-ZC00560	2026/03/28	1 Year
High Pass filter	Xi'an Xingbo	XBLBQ-GTA67	DDT-ZC02179	2026/03/28	1 Year
Micro-Tronics filters	REBES	BRM50716	DDT-ZC03240	/	/
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	DDT-ZC00506	2026/04/01	1 Year
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	DDT-ZC02049	2026/07/11	1 Year
Hochgewinn-Horn Antenna	SCHWARZBECK	BBHA 9120 D	DDT-ZC02129	2025/09/18	1 Year
Active Loop Antenna	Schwarzbeck	FMZB1519	DDT-ZC00524	2025/09/11	1 Year
PSA Series Spectrum Analyzer	Agilent	E4447A	DDT-ZC00517	2026/03/28	1 Year

13.2. Block diagram of test setup



13.3. Limits

- (1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (4) For transmitters operating solely in the 5.725-5.850 GHz band:
All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

13.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	other
Dell laptops	Dell Technologies Inc.	I7-1255U MX550	/

13.5. Test procedure

Same with Emissions in Restricted Frequency Bands except change investigated frequency range from 5.725-5.85 GHz.

Remark: All restriction band have been tested, and only the worst case is shown in report.

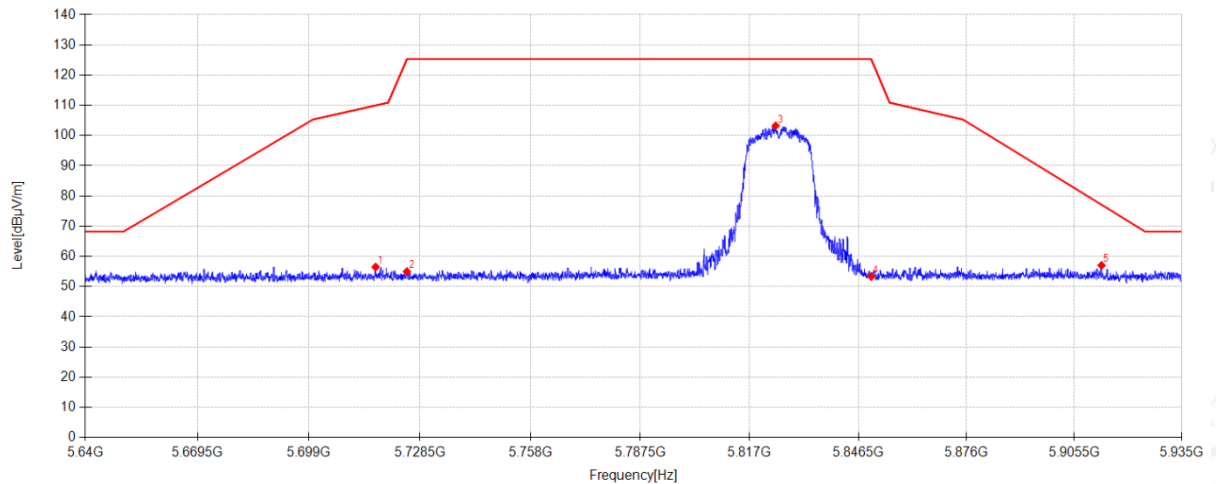
13.6. Test result

PASS. (See below detailed test result)

13.7. Test data

TR-4-E-009 Radiated Emission Test Result

Test Date: 2025-07-24 **Tested By:** Nan Zhong
EUT: R/C QUADCOPTER **Model Number:** DR-ATS21G
Test Mode: TX N20 5825MHz Mode **Power Supply:** Battery
Condition: Temp:24.9°C;Humi:66.0% **Test Site:** DDT 3# Chamber
File Path: d:\ts\2025 report date\Q25062721-1E\FCC ABOVE1G 5.8G\7
Memo: Sample Numbler:S25062721-008 Power Setting:63



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5716.671	46.72	33.70	5.65	-29.60	56.47	109.97	53.50	PK	Horizontal
2	5725.000	45.14	33.75	5.66	-29.60	54.95	125.30	70.35	PK	Horizontal
3	5824.051	93.01	34.10	5.72	-29.60	103.23	125.30	22.07	PK	Horizontal
4	5850.000	43.19	34.00	5.74	-29.60	53.33	125.30	71.97	PK	Horizontal
5	5913.023	46.70	34.13	5.78	-29.60	57.01	77.09	20.08	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-07-24

Tested By:

Nan Zhong

EUT:

R/C QUADCOPTER

Model Number:

DR-ATS21G

Test Mode:

TX N20 5825MHz Mode

Power Supply:

Battery

Condition:

Temp:24.9°C;Humi:66.0%

Test Site:

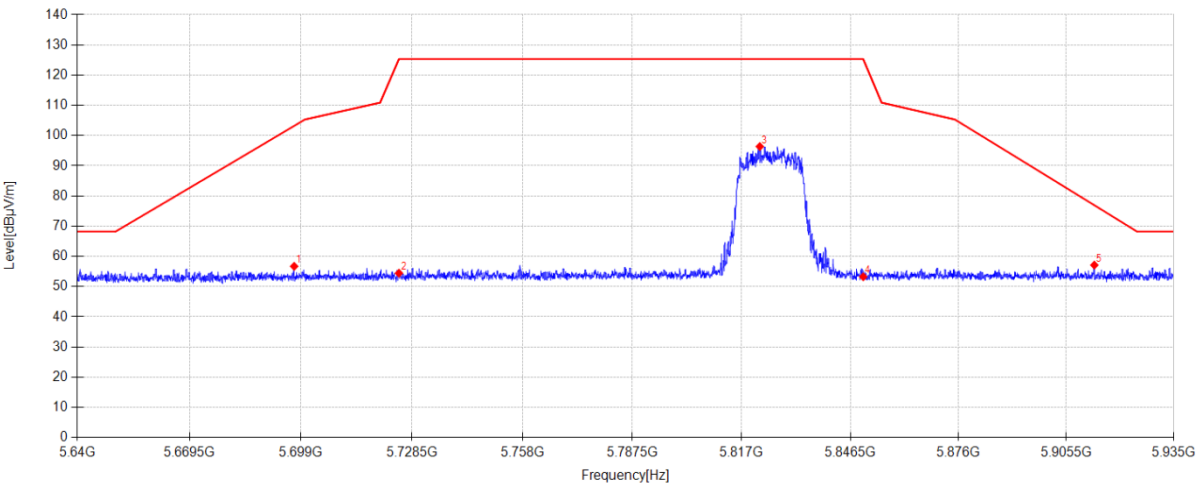
DDT 3# Chamber

File Path:

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Memo:

Sample Numbler:S25062721-008 Power Setting:63



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5697.171	47.08	33.59	5.64	-29.60	56.71	103.20	46.49	PK	Vertical
2	5725.000	44.63	33.75	5.66	-29.60	54.44	125.30	70.86	PK	Vertical
3	5821.927	86.13	34.11	5.72	-29.60	96.36	125.30	28.94	PK	Vertical
4	5850.000	43.11	34.00	5.74	-29.60	53.25	125.30	72.05	PK	Vertical
5	5913.229	46.81	34.13	5.78	-29.60	57.12	76.93	19.81	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:2025-07-24

Tested By:Nan Zhong

EUT:R/C QUADCOPTER

Model Number:DR-ATS21G

Test Mode:TX N20 5785MHz Mode

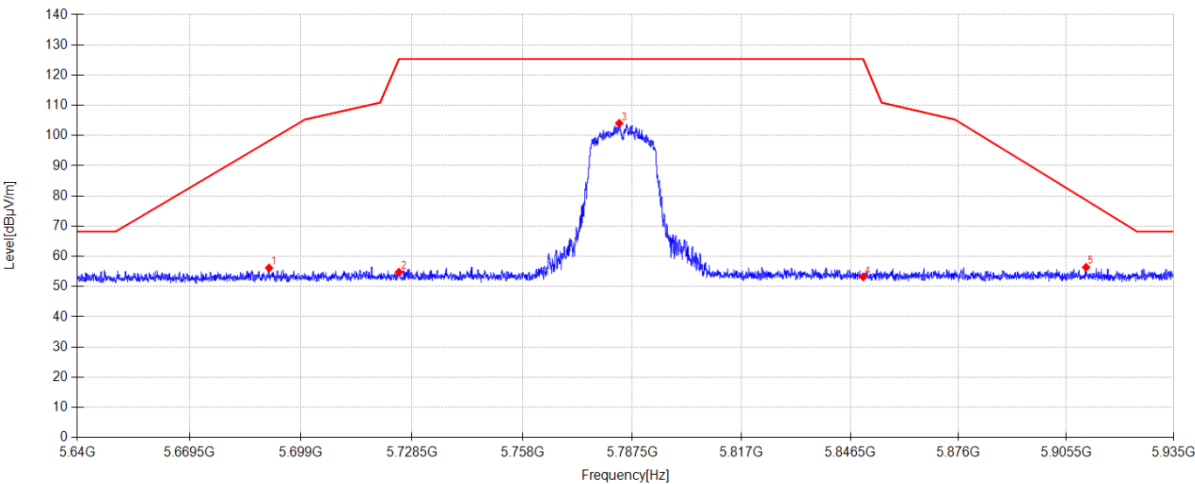
Power Supply:Battery

Condition:Temp:24.9°C;Humi:66.0%

Test Site:DDT 3# Chamber

File Path:d:\ts\2025 report date\Q25062721-1E\FCC ABOVE1G 5.8G\9

Memo:Sample Numbler:S25062721-008 Power Setting:63



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5690.534	46.56	33.56	5.64	-29.60	56.16	98.28	42.12	PK	Horizontal
2	5725.000	44.95	33.75	5.66	-29.60	54.76	125.30	70.54	PK	Horizontal
3	5783.990	93.85	34.10	5.70	-29.60	104.05	125.30	21.25	PK	Horizontal
4	5850.000	43.08	34.00	5.74	-29.60	53.22	125.30	72.08	PK	Horizontal
5	5910.958	46.08	34.12	5.78	-29.60	56.38	78.62	22.24	PK	Horizontal

Note:

- Level = Reading + Cable loss + Antenna Factor + AMP
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-07-24

Tested By:

Nan Zhong

EUT:

R/C QUADCOPTER

Model Number:

DR-ATS21G

Test Mode:

TX N20 5785MHz Mode

Power Supply:

Battery

Condition:

Temp:24.9°C;Humi:66.0%

Test Site:

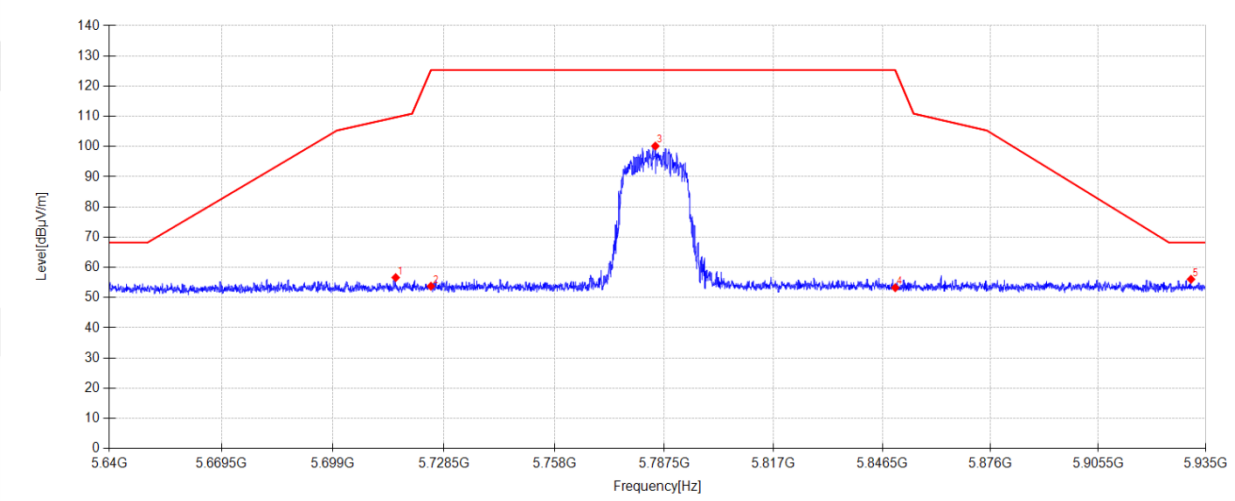
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25062721-1E\FCC ABOVE1G 5.8G\10

Memo:

Sample Numbler:S25062721-008 Power Setting:63



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5715.638	46.88	33.69	5.65	-29.60	56.62	109.68	53.06	PK	Vertical
2	5725.000	43.95	33.75	5.66	-29.60	53.76	125.30	71.54	PK	Vertical
3	5785.081	89.95	34.11	5.70	-29.60	100.16	125.30	25.14	PK	Vertical
4	5850.000	43.12	34.00	5.74	-29.60	53.26	125.30	72.04	PK	Vertical
5	5931.047	45.70	34.16	5.79	-29.60	56.05	68.20	12.15	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-07-24

Tested By:

Nan Zhong

EUT:

R/C QUADCOPTER

Model Number:

DR-ATS21G

Test Mode:

TX N20 5745MHz Mode

Power Supply:

Battery

Condition:

Temp:24.9°C;Humi:66.0%

Test Site:

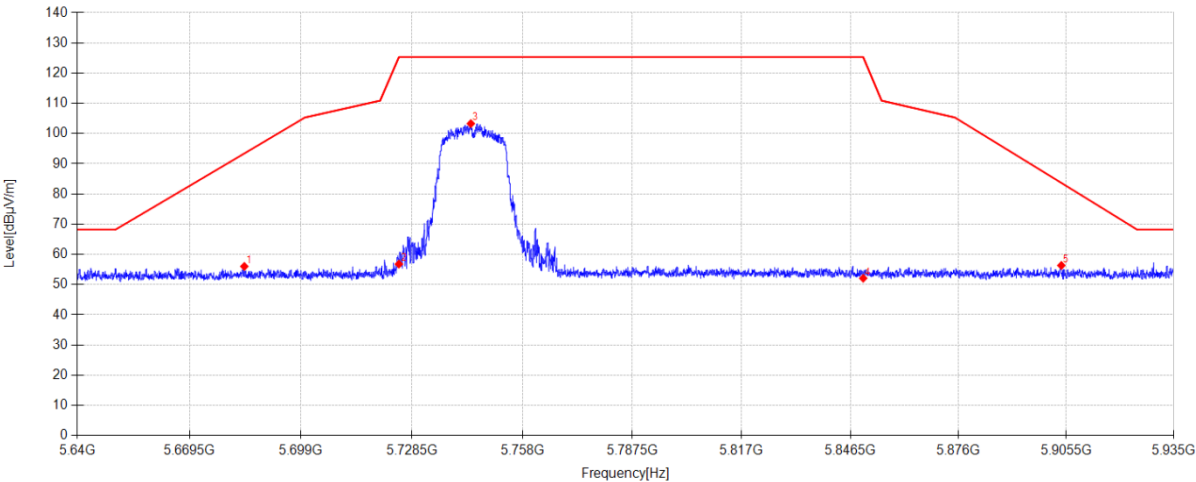
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25062721-1E\FCC ABOVE1G 5.8G\11

Memo:

Sample Numbler:S25062721-008 Power Setting:63



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5683.985	46.44	33.54	5.63	-29.60	56.01	93.42	37.41	PK	Horizontal
2	5725.000	46.98	33.75	5.66	-29.60	56.79	125.30	68.51	PK	Horizontal
3	5744.194	93.34	33.87	5.67	-29.60	103.28	125.30	22.02	PK	Horizontal
4	5850.000	41.95	34.00	5.74	-29.60	52.09	125.30	73.21	PK	Horizontal
5	5904.173	46.04	34.11	5.78	-29.60	56.33	83.65	27.32	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-07-24

Tested By:

Nan Zhong

EUT:

R/C QUADCOPTER

Model Number:

DR-ATS21G

Test Mode:

TX N20 5745MHz Mode

Power Supply:

Battery

Condition:

Temp:24.9°C;Humi:66.0%

Test Site:

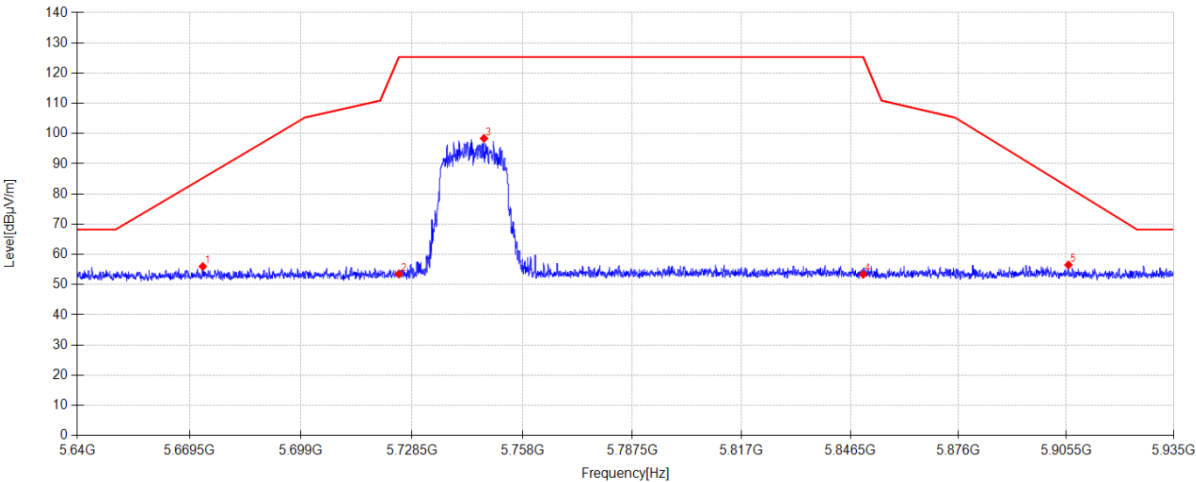
DDT 3# Chamber

File Path:

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Memo:

Sample Numbler:S25062721-008 Power Setting:63



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5673.011	46.49	33.49	5.62	-29.60	56.00	85.27	29.27	PK	Vertical
2	5725.000	43.68	33.75	5.66	-29.60	53.49	125.30	71.81	PK	Vertical
3	5747.705	88.43	33.89	5.67	-29.60	98.39	125.30	26.91	PK	Vertical
4	5850.000	43.23	34.00	5.74	-29.60	53.37	125.30	71.93	PK	Vertical
5	5906.120	46.22	34.11	5.78	-29.60	56.51	82.21	25.70	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-07-24

Tested By:

Nan Zhong

EUT:

R/C QUADCOPTER

Model Number:

DR-ATS21G

Test Mode:

TX 11A 5825MHz Mode

Power Supply:

Battery

Condition:

Temp:24.9°C;Humi:66.0%

Test Site:

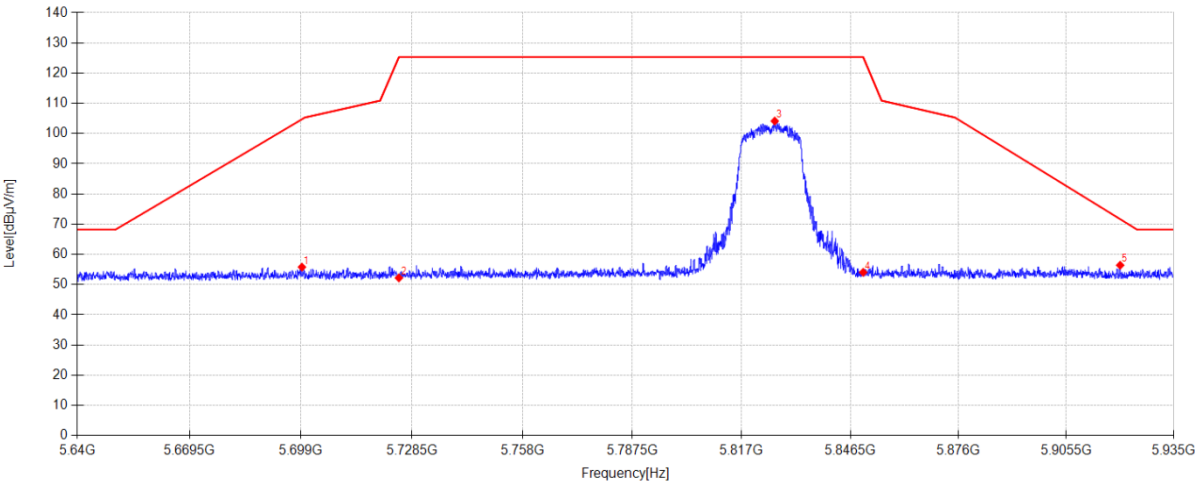
DDT 3# Chamber

File Path:

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Memo:

Sample Numbler:S25062721-008 Power Setting:63



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5699.236	46.15	33.60	5.64	-29.60	55.79	104.73	48.94	PK	Horizontal
2	5725.000	42.40	33.75	5.66	-29.60	52.21	125.30	73.09	PK	Horizontal
3	5825.968	93.91	34.10	5.73	-29.60	104.14	125.30	21.16	PK	Horizontal
4	5850.000	43.92	34.00	5.74	-29.60	54.06	125.30	71.24	PK	Horizontal
5	5920.339	46.08	34.14	5.79	-29.60	56.41	71.66	15.25	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-07-24

Tested By:

Nan Zhong

EUT:

R/C QUADCOPTER

Model Number:

DR-ATS21G

Test Mode:

TX 11A 5825MHz Mode

Power Supply:

Battery

Condition:

Temp:24.9°C;Humi:66.0%

Test Site:

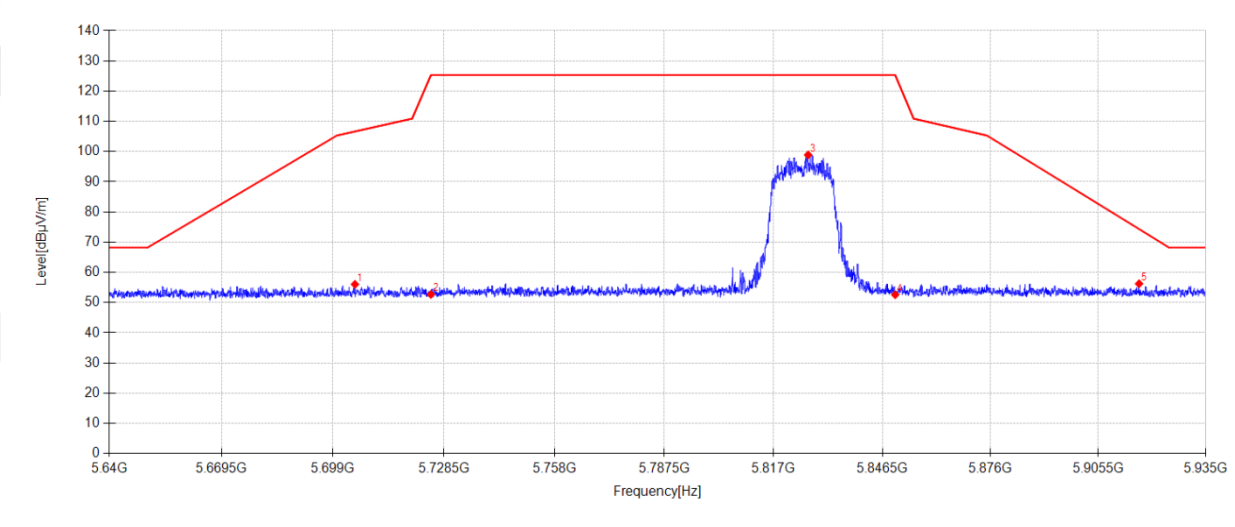
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25062721-1E\FCC ABOVE1G 5.8G\14

Memo:

Sample Numbler:S25062721-008 Power Setting:63



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5704.812	46.36	33.63	5.65	-29.60	56.04	106.65	50.61	PK	Vertical
2	5725.000	42.89	33.75	5.66	-29.60	52.70	125.30	72.60	PK	Vertical
3	5826.352	88.66	34.09	5.73	-29.60	98.88	125.30	26.42	PK	Vertical
4	5850.000	42.45	34.00	5.74	-29.60	52.59	125.30	72.71	PK	Vertical
5	5916.740	45.91	34.13	5.79	-29.60	56.23	74.33	18.10	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-07-24

Tested By:

Nan Zhong

EUT:

R/C QUADCOPTER

Model Number:

DR-ATS21G

Test Mode:

TX 11A 5785MHz Mode

Power Supply:

Battery

Condition:

Temp:24.9°C;Humi:66.0%

Test Site:

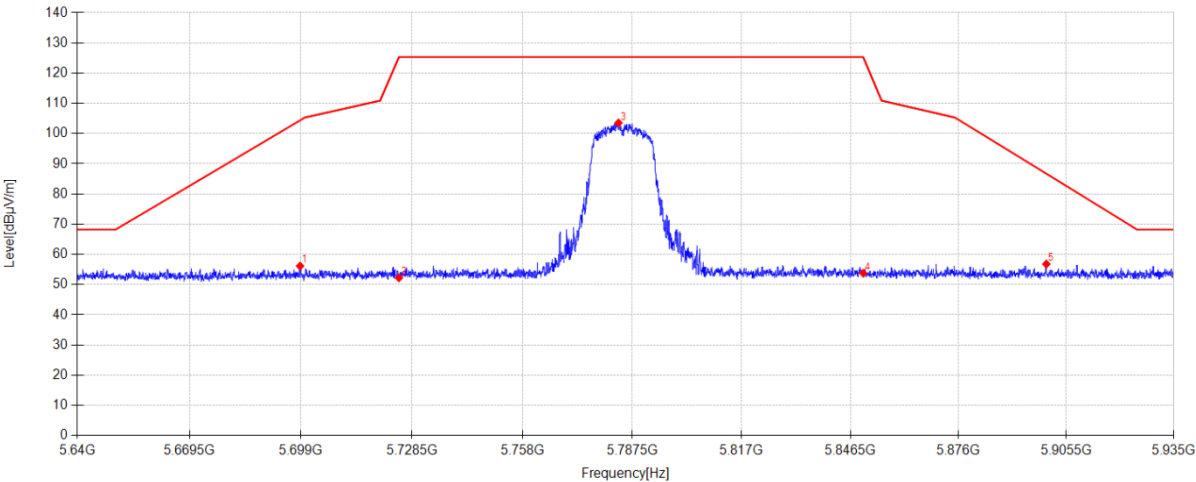
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25062721-1E\FCC ABOVE1G 5.8G\15

Memo:

Sample Numbler:S25062721-008 Power Setting:63



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5698.735	46.51	33.59	5.64	-29.60	56.14	104.36	48.22	PK	Horizontal
2	5725.000	42.42	33.75	5.66	-29.60	52.23	125.30	73.07	PK	Horizontal
3	5783.783	93.32	34.10	5.70	-29.60	103.52	125.30	21.78	PK	Horizontal
4	5850.000	43.63	34.00	5.74	-29.60	53.77	125.30	71.53	PK	Horizontal
5	5900.043	46.53	34.10	5.77	-29.60	56.80	86.72	29.92	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-07-24

Tested By:

Nan Zhong

EUT:

R/C QUADCOPTER

Model Number:

DR-ATS21G

Test Mode:

TX 11A 5785MHz Mode

Power Supply:

Battery

Condition:

Temp:24.9°C;Humi:66.0%

Test Site:

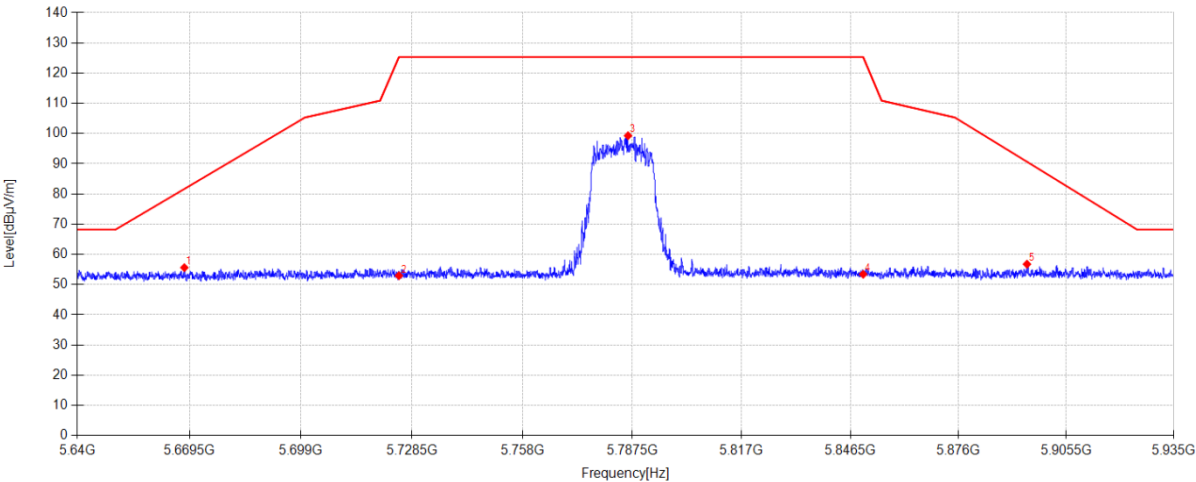
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25062721-1E\FCC ABOVE1G 5.8G\16

Memo:

Sample Numbler:S25062721-008 Power Setting:63



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5668.143	46.12	33.47	5.62	-29.60	55.61	81.66	26.05	PK	Vertical
2	5725.000	43.13	33.75	5.66	-29.60	52.94	125.30	72.36	PK	Vertical
3	5786.350	89.06	34.12	5.70	-29.60	99.28	125.30	26.02	PK	Vertical
4	5850.000	43.28	34.00	5.74	-29.60	53.42	125.30	71.88	PK	Vertical
5	5894.733	46.50	34.09	5.77	-29.60	56.76	90.66	33.90	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-07-24

Tested By:

Nan Zhong

EUT:

R/C QUADCOPTER

Model Number:

DR-ATS21G

Test Mode:

TX 11A 5745MHz Mode

Power Supply:

Battery

Condition:

Temp:24.9°C;Humi:66.0%

Test Site:

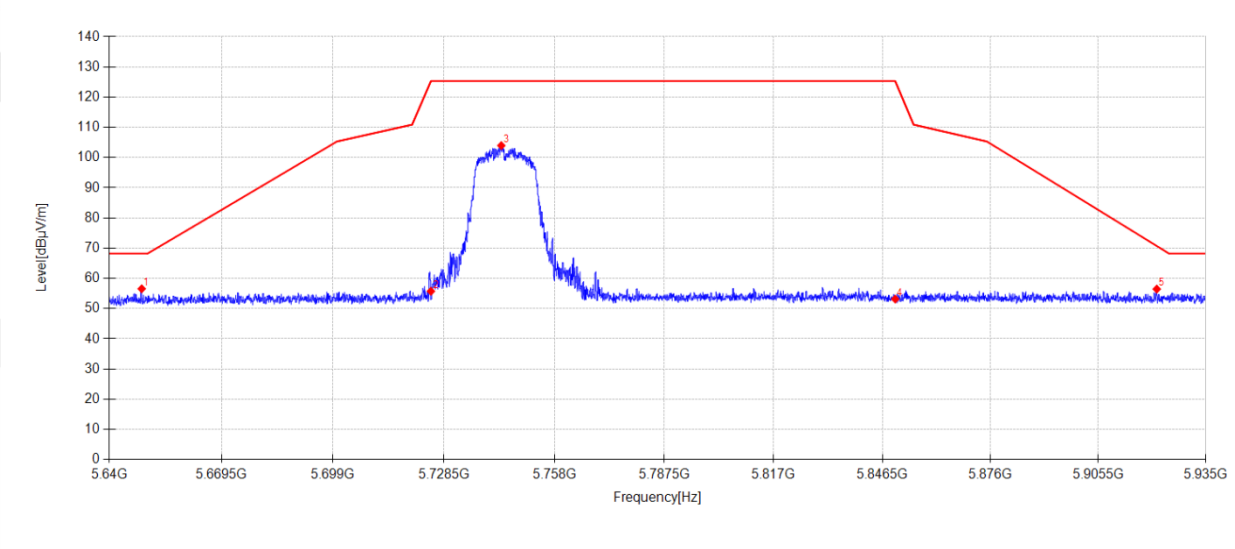
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25062721-1E\FCC ABOVE1G 5.8G\17

Memo:

Sample Numbler:S25062721-008 Power Setting:63



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5648.496	47.14	33.40	5.61	-29.60	56.55	68.20	11.65	PK	Horizontal
2	5725.000	45.92	33.75	5.66	-29.60	55.73	125.30	69.57	PK	Horizontal
3	5743.781	94.03	33.86	5.67	-29.60	103.96	125.30	21.34	PK	Horizontal
4	5850.000	43.00	34.00	5.74	-29.60	53.14	125.30	72.16	PK	Horizontal
5	5921.607	46.12	34.14	5.79	-29.60	56.45	70.72	14.27	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-07-24

Tested By:

Nan Zhong

EUT:

R/C QUADCOPTER

Model Number:

DR-ATS21G

Test Mode:

TX 11A 5745MHz Mode

Power Supply:

Battery

Condition:

Temp:24.9°C;Humi:66.0%

Test Site:

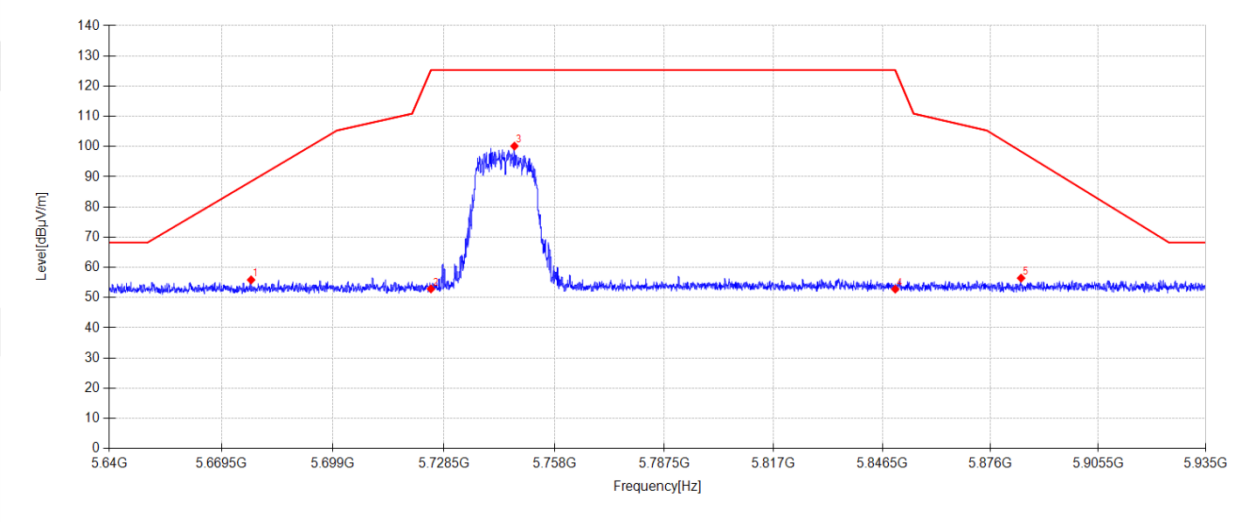
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25062721-1E\FCC ABOVE1G 5.8G\18

Memo:

Sample Numbler:S25062721-008 Power Setting:63



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5677.318	46.31	33.51	5.63	-29.60	55.85	88.47	32.62	PK	Vertical
2	5725.000	43.05	33.75	5.66	-29.60	52.86	125.30	72.44	PK	Vertical
3	5747.292	90.20	33.88	5.67	-29.60	100.15	125.30	25.15	PK	Vertical
4	5850.000	42.65	34.00	5.74	-29.60	52.79	125.30	72.51	PK	Vertical
5	5884.349	46.20	34.07	5.76	-29.60	56.43	98.36	41.93	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-07-24

Tested By:

Nan Zhong

EUT:

R/C QUADCOPTER

Model Number:

DR-ATS21G

Test Mode:

TX N40 5795MHz Mode

Power Supply:

Battery

Condition:

Temp:24.9°C;Humi:66.0%

Test Site:

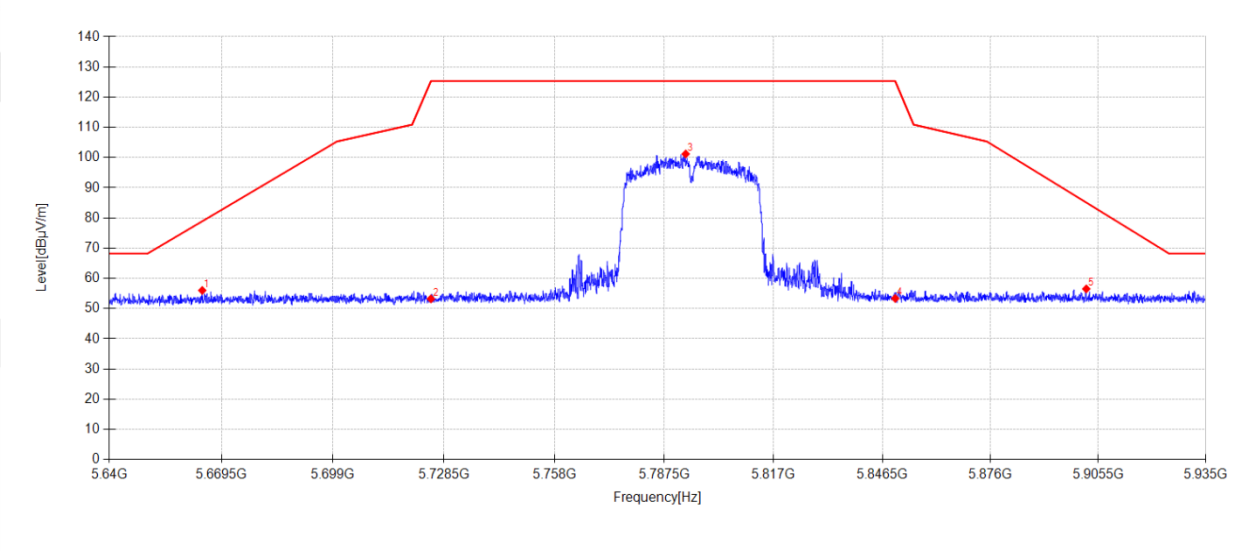
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25062721-1E\FCC ABOVE1G 5.8G\19

Memo:

Sample Numbler:S25062721-008 Power Setting:63



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5664.426	46.54	33.46	5.62	-29.60	56.02	78.90	22.88	PK	Horizontal
2	5725.000	43.40	33.75	5.66	-29.60	53.21	125.30	72.09	PK	Horizontal
3	5793.253	90.92	34.16	5.70	-29.60	101.18	125.30	24.12	PK	Horizontal
4	5850.000	43.22	34.00	5.74	-29.60	53.36	125.30	71.94	PK	Horizontal
5	5902.226	46.24	34.10	5.78	-29.60	56.52	85.10	28.58	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-07-24

Tested By:

Nan Zhong

EUT:

R/C QUADCOPTER

Model Number:

DR-ATS21G

Test Mode:

TX N40 5795MHz Mode

Power Supply:

Battery

Condition:

Temp:24.9°C;Humi:66.0%

Test Site:

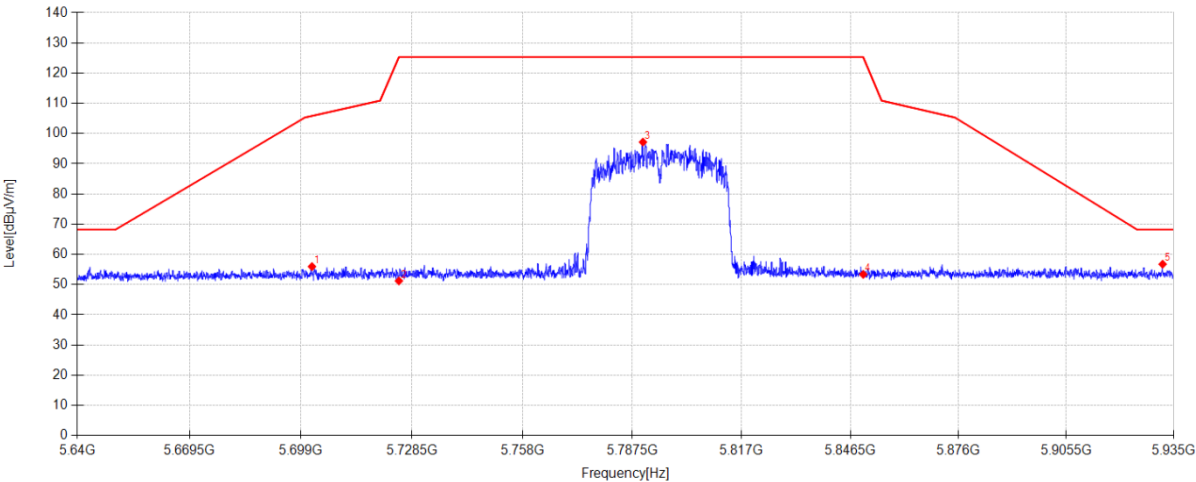
DDT 3# Chamber

File Path:

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Memo:

Sample Numbler:S25062721-008 Power Setting:63



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5701.891	46.31	33.61	5.64	-29.60	55.96	105.83	49.87	PK	Vertical
2	5725.000	41.40	33.75	5.66	-29.60	51.21	125.30	74.09	PK	Vertical
3	5790.362	86.94	34.14	5.70	-29.60	97.18	125.30	28.12	PK	Vertical
4	5850.000	43.24	34.00	5.74	-29.60	53.38	125.30	71.92	PK	Vertical
5	5932.050	46.39	34.16	5.80	-29.60	56.75	68.20	11.45	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-07-24

Tested By:

Nan Zhong

EUT:

R/C QUADCOPTER

Model Number:

DR-ATS21G

Test Mode:

TX N40 5755MHz Mode

Power Supply:

Battery

Condition:

Temp:24.9°C;Humi:66.0%

Test Site:

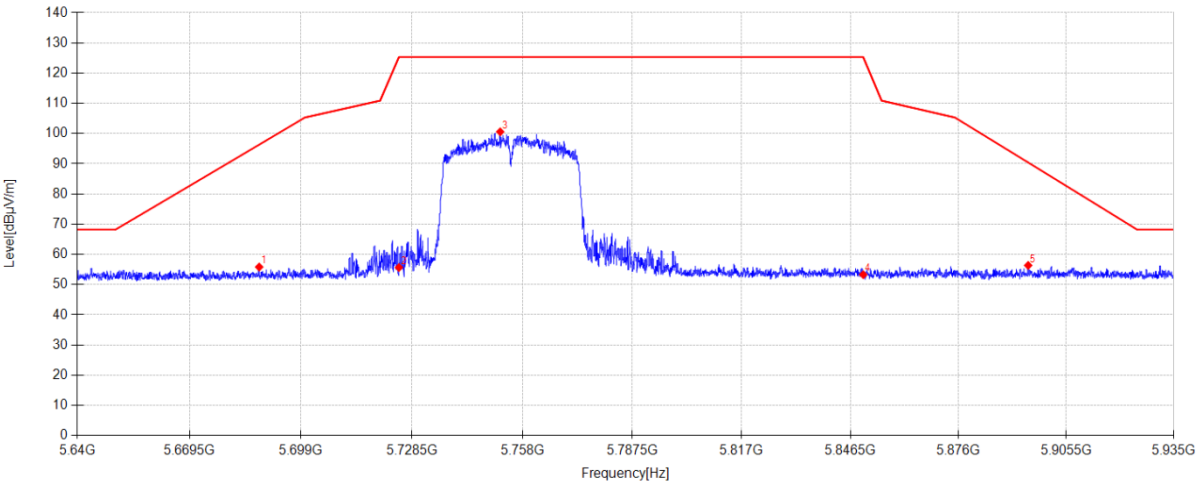
DDT 3# Chamber

File Path:

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Memo:

Sample Numbler:S25062721-008 Power Setting:63



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5687.908	46.24	33.55	5.63	-29.60	55.82	96.33	40.51	PK	Horizontal
2	5725.000	45.84	33.75	5.66	-29.60	55.65	125.30	69.65	PK	Horizontal
3	5752.041	90.58	33.91	5.68	-29.60	100.57	125.30	24.73	PK	Horizontal
4	5850.000	43.15	34.00	5.74	-29.60	53.29	125.30	72.01	PK	Horizontal
5	5895.057	46.09	34.09	5.77	-29.60	56.35	90.42	34.07	PK	Horizontal

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Date:

2025-07-24

Tested By:

Nan Zhong

EUT:

R/C QUADCOPTER

Model Number:

DR-ATS21G

Test Mode:

TX N40 5755MHz Mode

Power Supply:

Battery

Condition:

Temp:24.9°C;Humi:66.0%

Test Site:

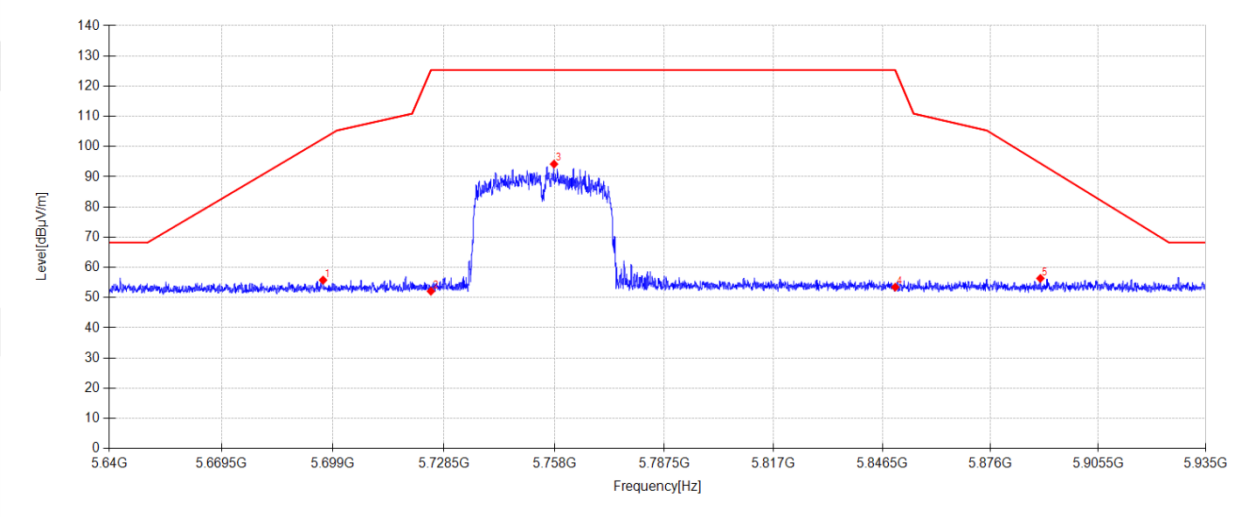
DDT 3# Chamber

File Path:

d:\ts\2025 report date\Q25062721-1E\FCC ABOVE1G 5.8G\22

Memo:

Sample Numbler:S25062721-008 Power Setting:63



Suspected Data List										
NO.	Freq. [MHz]	Reading [dBμV/m]	Antenna Factor [dB]	Cable loss [dB]	AMP [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity
1	5696.345	46.15	33.59	5.64	-29.60	55.78	102.59	46.81	PK	Vertical
2	5725.000	42.29	33.75	5.66	-29.60	52.10	125.30	73.20	PK	Vertical
3	5757.882	84.16	33.95	5.68	-29.60	94.19	125.30	31.11	PK	Vertical
4	5850.000	43.30	34.00	5.74	-29.60	53.44	125.30	71.86	PK	Vertical
5	5889.629	46.11	34.08	5.77	-29.60	56.36	94.45	38.09	PK	Vertical

Note:

1. Level = Reading + Cable loss + Antenna Factor + AMP

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

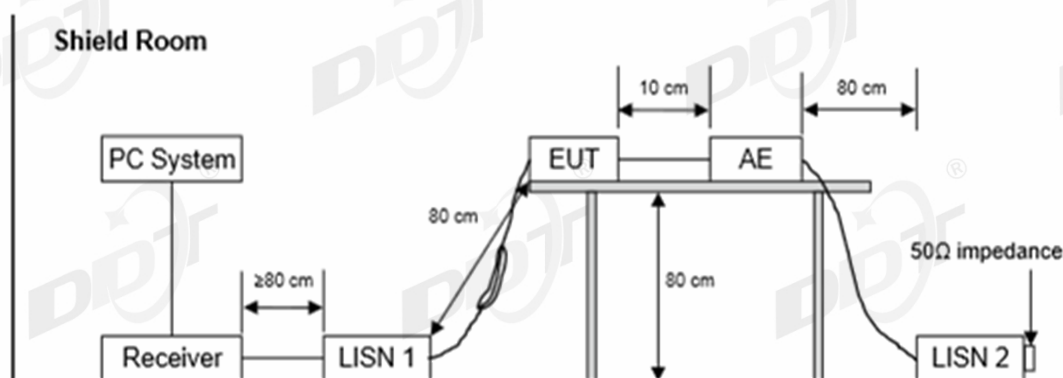
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

14. Power Line Conducted Emissions

14.1. Test equipment

Equipment	Manufacturer	Model No.	Serial No.	Cal Due To	Cal. Interval
EMI Test Receiver	R&S	ESCI	DDT-ZC00235	2026/07/06	1 Year
Two Line V-Network	R&S	ENV216	DDT-ZC00535	2026/07/06	1 Year
Artificial mains	R&S	ESH2-Z5	DDT-ZC00538	2026/07/06	1 Year
Pulse Limiter	SCHWARZBECK	ESH3-Z2	DDT-ZC00539	2026/07/06	1 Year
CE Cable 1	R&S	ESU8/RF2	DDT-ZC00566	2026/07/06	1 Year
EMI Test Software	Audix/TW	e3	DDT-ZC01252	/	N/A

14.2. Block diagram of test setup



14.3. Limits

Frequency	Quasi-Peak Level dB(μV)	Average Level dB(μV)
150 kHz~500 kHz	66 ~ 56*	56 ~ 46*
500 kHz~5 MHz	56	46
5 MHz~30 MHz	60	50

Note 1: * Decreasing linearly with logarithm of frequency.

Note 2: The lower limit shall apply at the transition frequencies.

14.4. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	Description	other
/	/	/	/	/

14.5. Test procedure

The EUT and Support equipment, if needed, were put placed on a non-metallic table, 80cm above the ground plane.

All support equipment power received from a second LISN.

Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.

The Receiver scanned from 150 kHz to 30 MHz for emissions in each of the test modes.

During the above scans, the emissions were maximized by cable manipulation.

The test mode(s) described in clause 2.4 were scanned during the preliminary test.

After the preliminary scan, we found the test mode producing the highest emission level.

The EUT configuration and worse cable configuration of the above highest emission levels were recorded for reference of the final test.

EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.

A scan was taken on both power lines, Neutral and Line, recording at least the six highest emissions.

Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.

The test data of the worst-case condition(s) was recorded.

The bandwidth of test receiver is set at 9 kHz.

14.6. Test result

PASS. (See below detailed test result)

Note1: All emissions not reported below are too low against the prescribed limits.

Note2: “----” means Peak detection; “----” means Average detection.

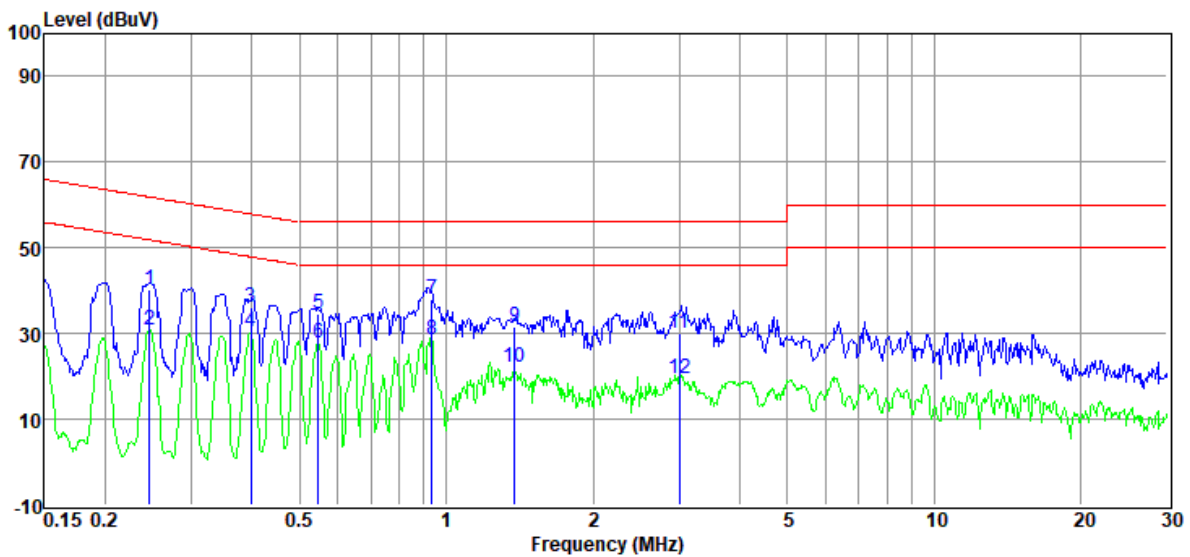
Note3: Pre-test AC conducted emission at both voltage AC 120V/60Hz and AC 240V/50Hz, recorded the worst case.

14.7. Test data

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 1# Shield Room **D:\2025 CE report data\Q25062721-2E\0717 CE.EM6**
Test Date : 2025-07-18 **Tested By** : Antony Zeng
EUT : R/C QUADCOPTER **Model Number** : DR-ATS21G
Power Supply : AC 120V/60Hz **Test Mode** : Charging mode
Condition : TEMP:21.8°C, RH:63.1% **LISN** : 2024 1# ENV216/LINE
Memo :

Data: 6



Item	Freq.	Read Level	LISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Over Limit	Detector	Phase
(Mark)	(MHz)	(dBμV)	(dB)	(dB)	(dB)	(dBμV)	(dBμV)	(dB)		
1	0.25	20.45	9.74	0.14	9.86	40.19	61.86	-21.67	QP	LINE
2	0.25	11.17	9.74	0.14	9.86	30.91	51.86	-20.95	Average	LINE
3	0.40	16.44	9.82	0.10	9.86	36.22	57.90	-21.68	QP	LINE
4	0.40	10.71	9.82	0.10	9.86	30.49	47.90	-17.41	Average	LINE
5	0.55	14.74	9.85	0.07	9.86	34.52	56.00	-21.48	QP	LINE
6	0.55	8.06	9.85	0.07	9.86	27.84	46.00	-18.16	Average	LINE
7	0.93	18.25	9.79	0.06	9.88	37.98	56.00	-18.02	QP	LINE
8	0.93	8.77	9.79	0.06	9.88	28.50	46.00	-17.50	Average	LINE
9	1.38	11.72	9.77	0.04	9.88	31.41	56.00	-24.59	QP	LINE
10	1.38	2.48	9.77	0.04	9.88	22.17	46.00	-23.83	Average	LINE
11	3.01	10.37	9.74	0.05	9.86	30.02	56.00	-25.98	QP	LINE
12	3.01	-0.06	9.74	0.05	9.86	19.59	46.00	-26.41	Average	LINE

Note:

1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

TR-4-E-010 Conducted Emission Test Result

Test Site

: DDT 1# Shield Room

Test Date

: 2025-07-18

EUT

: R/C QUADCOPTER

Power Supply

: AC 120V/60Hz

Condition

: TEMP:21.8°C, RH:63.1%

Memo

:

D:\2025 CE report data\Q25062721-2E\0717 CE.EM6

Tested By

: Antony Zeng

Model Number

: DR-ATS21G

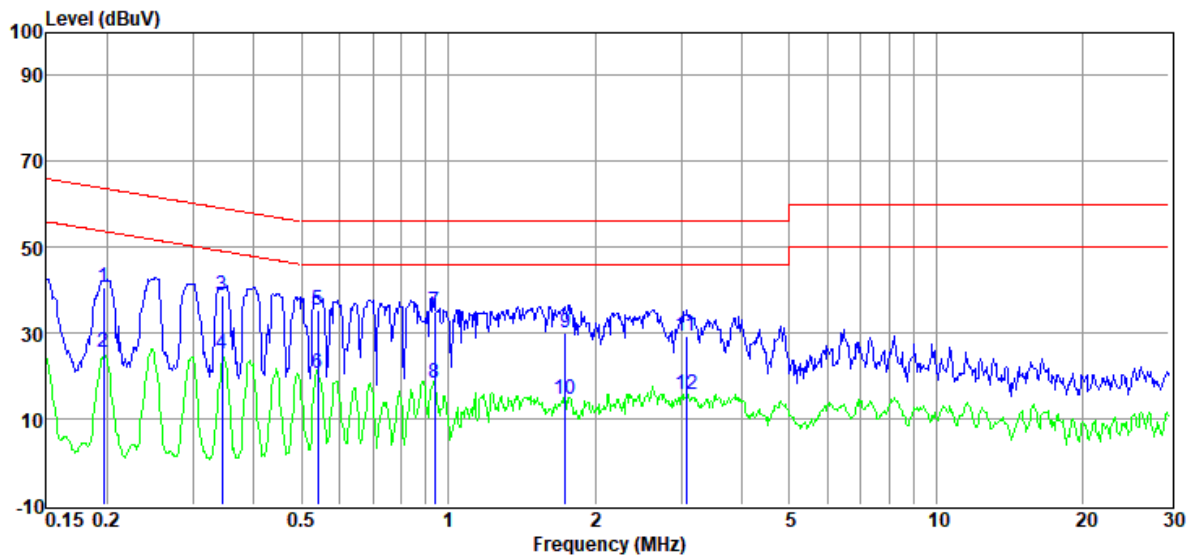
Test Mode

: Charging mode

LISN

: 2024 1# ENV216/NEUTRAL

Data: 8



Item	Freq.	Read Level	LISN Factor	Cable Loss	Pulse Limiter Factor	Result Level	Limit Line	Over Limit	Detector	Phase
(Mark)	(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV)	(dBuV)	(dB)		
1	0.20	20.82	9.70	0.12	9.86	40.50	63.76	-23.26	QP	NEUTRAL
2	0.20	5.80	9.70	0.12	9.86	25.48	53.76	-28.28	Average	NEUTRAL
3	0.34	18.88	9.74	0.13	9.86	38.61	59.09	-20.48	QP	NEUTRAL
4	0.34	5.25	9.74	0.13	9.86	24.98	49.09	-24.11	Average	NEUTRAL
5	0.54	15.72	9.78	0.06	9.86	35.42	56.00	-20.58	QP	NEUTRAL
6	0.54	1.00	9.78	0.06	9.86	20.70	46.00	-25.30	Average	NEUTRAL
7	0.94	15.20	9.71	0.05	9.88	34.84	56.00	-21.16	QP	NEUTRAL
8	0.94	-1.13	9.71	0.05	9.88	18.51	46.00	-27.49	Average	NEUTRAL
9	1.73	10.43	9.68	0.04	9.87	30.02	56.00	-25.98	QP	NEUTRAL
10	1.73	-5.20	9.68	0.04	9.87	14.39	46.00	-31.61	Average	NEUTRAL
11	3.07	9.63	9.66	0.05	9.86	29.20	56.00	-26.80	QP	NEUTRAL
12	3.07	-3.98	9.66	0.05	9.86	15.59	46.00	-30.41	Average	NEUTRAL

- Note:
1. Result Level = Read Level +LISN Factor + Pulse Limiter Factor + Cable loss.
 2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
 3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
 4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

16. Photos of the EUT

Please refer to appendix I

-----End Report-----