FCC TEST REPORT

Product	:	Hover Camera Passport
Trade mark	:	HOVER CAMERA
Model/Type reference	:	HC-6428
Report Number	:	1609060316RFC-3
Date of Issue	:	Sep. 14, 2016
FCC ID	:	2AIDWHCP6428
Test Standards	:	See below

Test Standards	Results
☒ 47 CFR Part 15 Subpart B Class B: 2015	PASS

Prepared for:

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1607 Innovation Park, High-Tech Park of Nanshan dist. Shenzhen

Prepared by:

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Reviewed by: Jim Long, Senior Supervisor

Approved by: Billy Li, Technical Director

Date: Sep. 14, 2016

UnionTrust Laboratories UnionTrust * Certified *

Version

Version No.	Date	Description
V1.0	Sep. 14, 2016	Original

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1 General Information

1.1 Client Information

Applicant:	Shenzhen Zero Zero Infinity Technology Co., Ltd.
Address of Applicant:	1607 Innovation Park, High-Tech Park of Nanshan dist. Shenzhen
Manufacturer:	Shenzhen Zero Zero Infinity Technology Co., Ltd.
Address of Manufacturer:	1607 Innovation Park, High-Tech Park of Nanshan dist. Shenzhen

1.2 General Description of EUT

Product Name:	Hover Camera Passport	
Model No.(EUT):	HC-6428	
Add. Mode No.:	N/A	
Trade Mark:	HOVER CAMERA	
Power Supply:	AC adapter	Model:HKA03612030-2A Input:100-240V~50/60Hz, 1.0A; Output: 12.0V ⎓ 3A
	Charging Dock:	Model: H-320 Input:11-18V ⎓ 3A MAX; Output: 8.4V ⎓ 2.2A MAX
	Battery 1:	Model: ZB-380 Nominal Voltage: .7.4V ⎓ (Rechargeable LIPO Battery) Battery Capacity: 1100mAh/8.14Wh
	Battery 2:	Model: ZB-381 Nominal Voltage: .7.6V ⎓ (Rechargeable LIPO Battery) Battery Capacity: 1360mAh/10.34Wh
USB Micro-B Plug cable:	0.55m (shielded)	
Sample Type:	Portable production	
Test Software of EUT:	Provided by the manufacturer	
Normal Test voltage:	7.4Vdc for battery	
Lowest Internal Frequency:	32.768KHz	
Highest Internal Frequency:	2.3GHz	
Equipment Emissions Class:	CLASS B	
Software Version:	1-1.0-1.0.1	
Hardware Version:	FAIPY_MB_V40	
Sample Received Date:	Sep. 07, 2016	
Sample tested Date:	Sep. 12, 2016 to Sep. 14, 2016	

1.3 Description of Support Units

The EUT has been tested with associated equipment below.

1) Support equipment

Description	Brand	Model No.	Certification	Supplied by
Laptop	Dell	Inspiron 15 5000 series	FCC ID and DOC	UnionTrust
Adapter	Dell	DANM140	N/A	UnionTrust

2) Cable

Cable No.	Description	Connector Type	Cable Type/Length	Supplied by

1	USB Cable	USB	0.55m(shielded)	Client
2	Adapter Cable	DC	1.8m(undetachable, unshielded)	UnionTrust
		AC	1.45m(detachable, unshielded)	UnionTrust

1.4 Test Location

All tests were performed at:

Compliance Certification Services (Shenzhen) Inc.

No.10-1 Mingkeda Logistics Park, No.18 Huanguan South RD. Guan lan Town, Baoan Distr, Shenzhen, Guangdong, China.

Compliance Certification Services (Shenzhen) Inc. has been accepted by the FCC, the FCC Registration Number is 441872.

Tested by: Darry Wu

1.5 Deviation from Standards

None.

1.6 Abnormalities from Standard Conditions

None.

1.7 Other Information Requested by the Customer

None.

1.8 Measurement Uncertainty (95% confidence levels, k=2)

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the Product as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

No.	Item	Measurement Uncertainty
3	Radiated Emission (Below 1GHz)	±5.3 dB
	Radiated Emission (Above 1GHz)	±5.1 dB
4	Conduction emission (9KHz~150KHz)	±3.8 dB
	Conduction emission (150KHz~30MHz)	±3.4 dB

2 Test Summary

Tests for radiated and conducted emissions were performed. All measurements were performed according to the 2014 version of ANSI C63.4

Test Item	Test Requirement	Test method	Result
Conducted Emission	47 CFR Part 15 Subpart B Section 15.107	ANSI C63.4-2014	PASS
Radiated Emissions	47 CFR Part 15 Subpart B Section 15.109	ANSI C63.4-2014	PASS

3 Equipment List

3m (Semi-Anechoic Chamber)					
Equipment	**Manufacturer**	**Mode No.**	**Serial Number**	**Cal. Due date (mm-dd-yyyy)**	**Cal. Interval**
PSA Series Spectrum Analyzer	Agilent	E4446A	US44300399	02-20-2017	1 Year
Turn Table	N/A	N/A	N/A	N.C.R	N.C.R
Controller	Sunol Sciences	SC104V	022310-1	N.C.R	N.C.R
Controller	CT	N/A	N/A	N.C.R	N.C.R
Bilog Antenna	SCHAFFNER	CBL6143	5063	02-21-2017	1 Year
Horn Antenna	SCHWARZBECK	BBHA9120	D286	02-20-2017	1 Year
High Noise Amplifier	Agilent	8449B	3008A01838	02-21-2017	1 Year
Horn Antenna	Schwarzbeck	BBHA9120	D286	02-21-2017	1 Year
Temp. / Humidity Meter	Anymetre	JR913	N/A	02-21-2017	1 Year
Antenna Tower	SUNOL	TLT2	N/A	N.C.R	N.C.R
Test S/W	FARAO	LZ-RF / CCS-SZ-3A2			

Conducted Emission test					
Equipment	**Manufacturer**	**Mode No.**	**Serial Number**	**Cal. Due date (mm-dd-yyyy)**	**Cal. Interval**
EMI Test Receiver	R&S	ESCI	100783	02-21-2017	1 Year
L.I.S.N	R&S	ENV216	101543-WX	02-21-2017	N.C.R

4 Test Configuration

4.1 Test Mode

TM1: Adapter Charging Mode

1. Setup the EUT and other the test equipment
2. wormy-up the EUT
3. All tests are carried out under adapter charging mode during the test.

TM2: Waiting Mode:

1. Setup the EUT
2. Warm up the EUT
3. All tests are carried out under waiting mode during the test.

TM3: Hovering Mode:

1. Setup the EUT
2. Warm up the EUT
3. All tests are carried out under hovering mode during the test.

TM4: Copy Data Mode:

1. Setup the EUT and other the test equipment
2. Warm up the EUT
3. All tests are carried out under EUT of DDR and laptop copy data mode during the test.

4.2 Test setup

4.2.1 For Radiated Emissions test setup

Radiated Emissions setup:

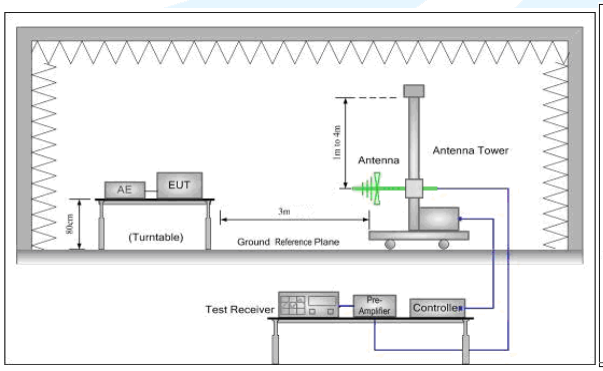


Figure 1. 30MHz to 1GHz

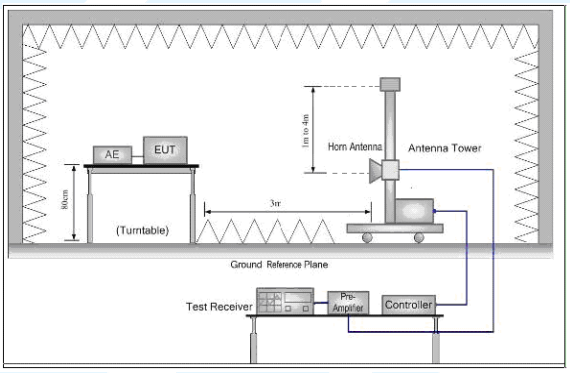
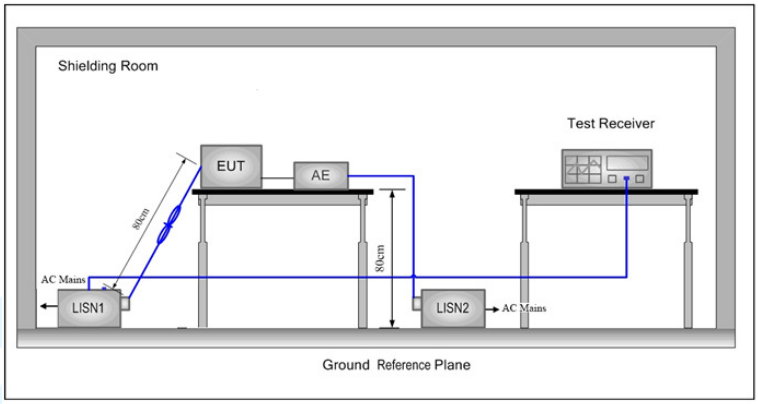


Figure 2. Above 1GHz

4.2.2 For Conducted Emissions test setup

Conducted Emissions setup



4.3 Test Environment

Operating Environment:	
Temperature:	26.3 °C
Humidity:	56 % RH
Atmospheric Pressure:	99.99mbar

4.4 System Test Configuration

For emissions testing, care was taken to ensure proper power supply voltages during testing. During testing, radiated emission were performed with the EUT set to battery as worst-case scenario. It was powered by a 7.4Vdc rechargeable LIPO battery(Model: ZB-380). Only the worst case data were recorded in this test report.

All readings are extrapolated back to the equivalent three meter reading using inverse scaling with distance. Analyzer resolution is 100 kHz or greater for frequencies below 1000MHz. The resolution is 1 MHz or greater for frequencies above 1000MHz. The spurious emissions more than 20 dB below the permissible value are not reported.

Radiated emission measurement were performed from the lowest radio frequency signal generated in the device which is greater than 9 kHz to the fifth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.

5 Radio Technical Requirements Specification

Reference documents for testing:

No.	Identity	Document Title
1	47 CFR Part15 Subpart B	Unintentional Radiators
2	ANSI C63.4-2014	American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz

5.1 Conducted Emission

Test Requirement: 47 CFR Part 15 Subpart B Section15.107

Test Method: ANSI C63.4-2014

Limit:

Limits for Class B devices

Frequency range (MHz)	Limits dB(μV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0,50 to 5	56	46
5 to 30	60	50

NOTE:

1. The lower limit shall apply at the transition frequencies.
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 to 0.50 MHz.

Test Procedure:

1. The Product was placed on a nonconductive table 0.8 m above the horizontal ground reference plane, and 0.4 m from the vertical ground reference plane, and connected to the main through Line Impedance Stability Network (L.I.S.N).
2. The RBW of the receiver was set at 9 kHz in 150 kHz ~ 30MHz with Peak and AVG detector in Max Hold mode. Run the receiver's pre-scan to record the maximum disturbance generated from Product in all power lines in the full band.
3. For each frequency whose maximum record was higher or close to limit, measure its QP and AVG values and record.

Test Setup: Refer to section 4.2.2 for details.

Instruments Used: Refer to section 3 for details

Test Mode: Adapter charging mode and copy data mode

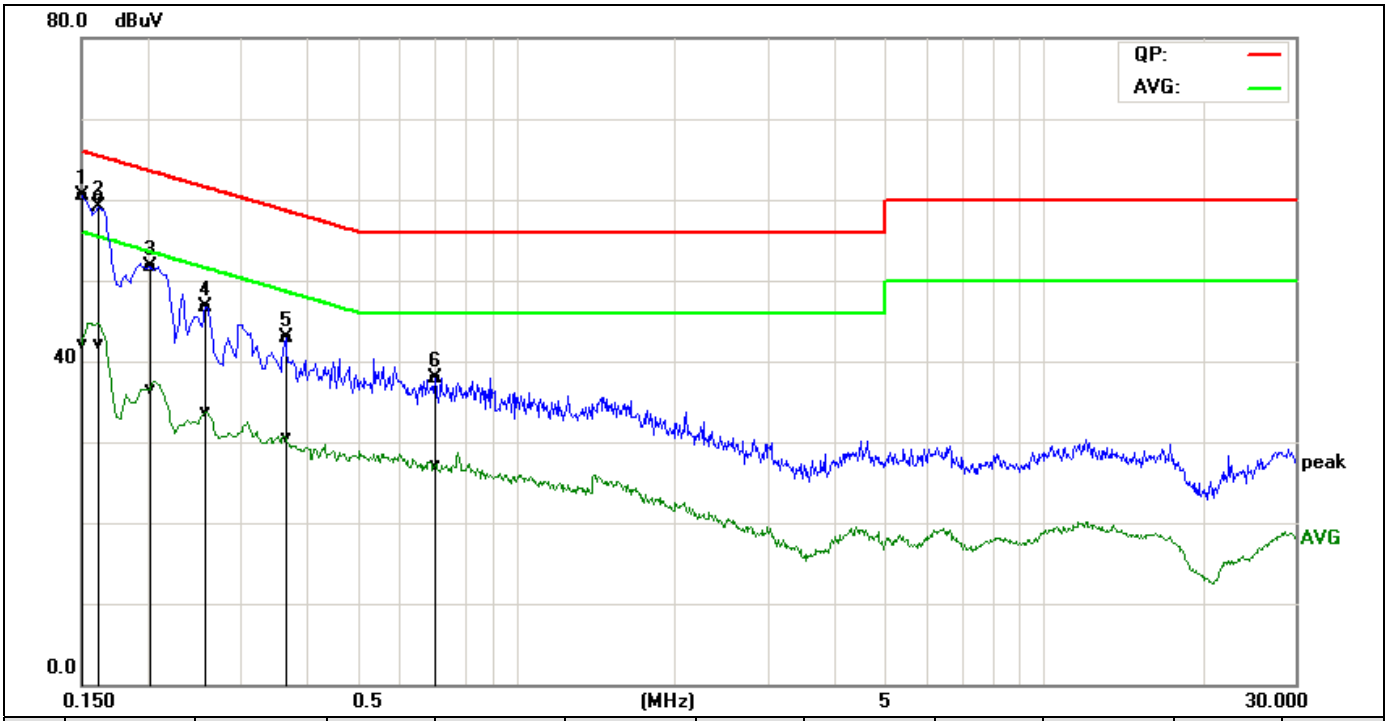
Test Results: Pass

Test Graphs and Data:

Remark:

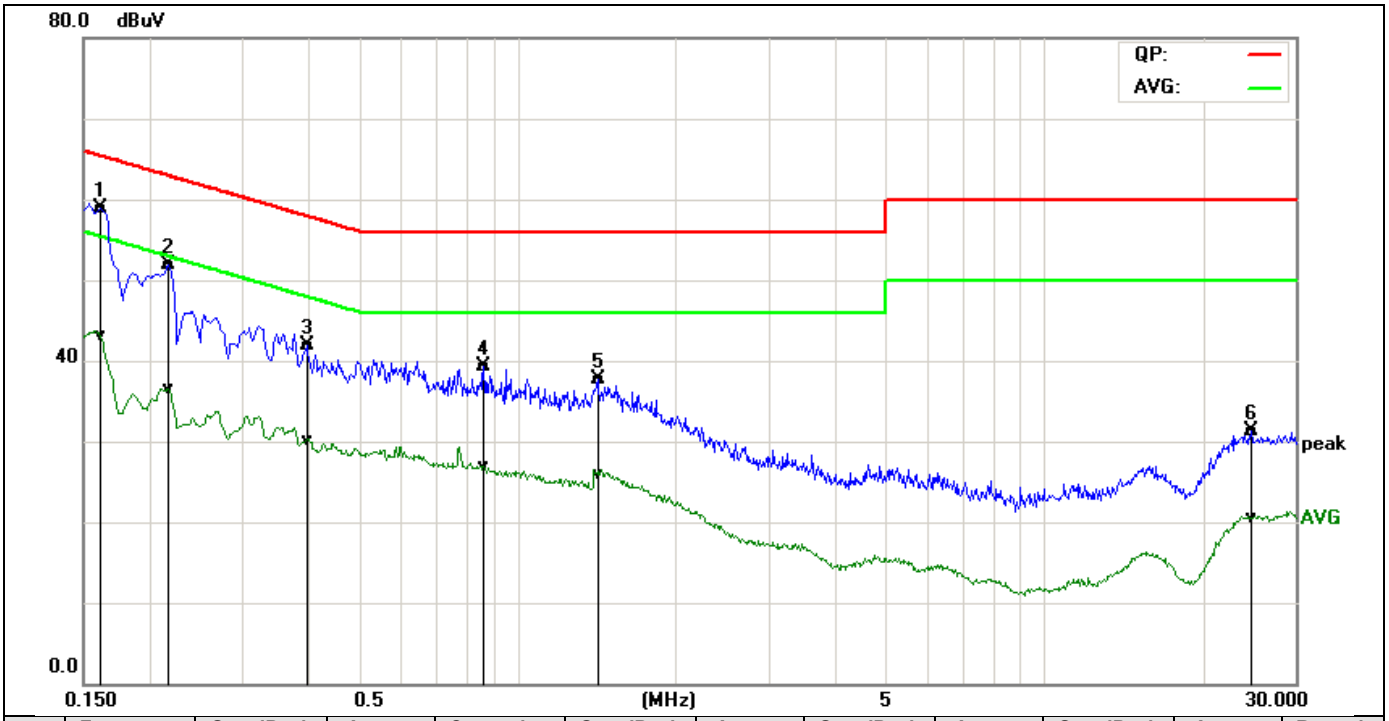
The EUT this time and previous (FCC ID: 2AIDWHC-6428) all the accessories (these accessories include the adapter, charging dock, USB cable and batteries) are the same, the only differences are the RF output power and power supply circuit board of UAV. After assessment, this differences does not affect the test results, so the following test data from the original report with report No. 16WS0525027F-01 Rev0 (FCC ID: 2AIDWHC-6428).

Adapter Charging Mode L line



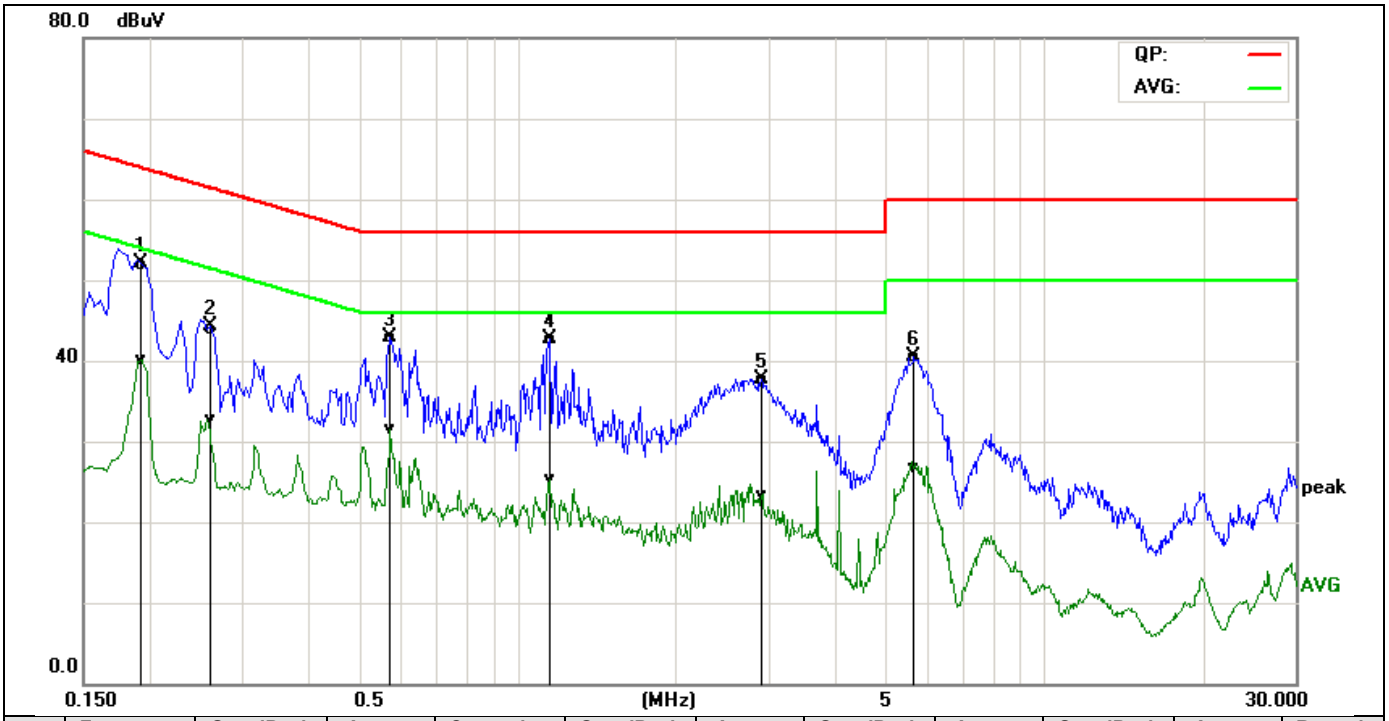
No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.1500	50.80	32.30	9.78	60.58	42.08	65.99	56.00	-5.41	-13.92	Pass
2*	0.1624	50.80	32.30	9.78	60.58	42.08	65.34	55.34	-4.76	-13.26	Pass
3	0.2020	41.89	26.81	9.79	51.68	36.60	63.52	53.53	-11.84	-16.93	Pass
4	0.2580	36.95	23.95	9.81	46.76	33.76	61.49	51.50	-14.73	-17.74	Pass
5	0.3660	33.11	20.57	9.84	42.95	30.41	58.59	48.59	-15.64	-18.18	Pass
6	0.7019	28.11	17.25	9.89	38.00	27.14	56.00	46.00	-18.00	-18.86	Pass

Adapter Charging Mode N line



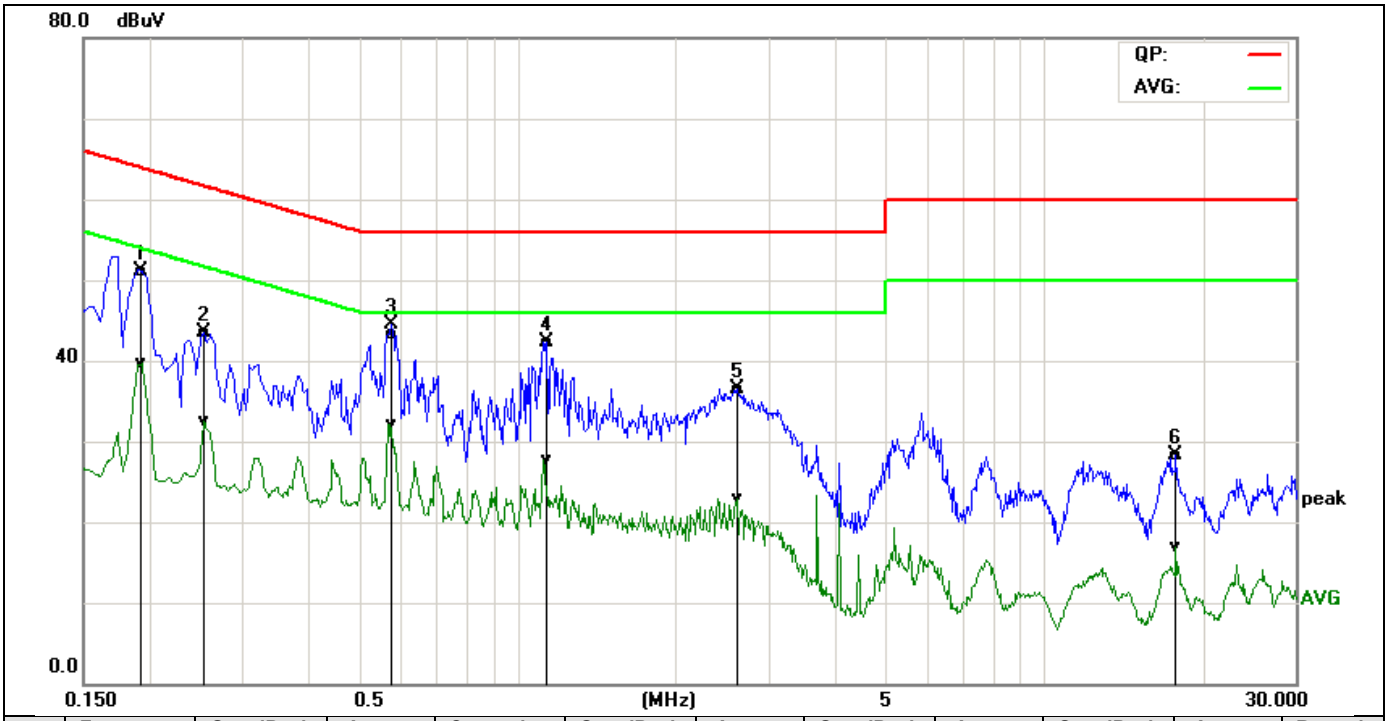
No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1*	0.1620	48.99	33.21	9.88	58.87	43.09	65.36	55.36	-6.49	-12.27	Pass
2	0.2180	42.05	26.63	9.89	51.94	36.52	62.89	52.89	-10.95	-16.37	Pass
3	0.3980	31.99	20.32	9.88	41.87	30.20	57.89	47.90	-16.02	-17.70	Pass
4	0.8660	29.46	17.01	9.90	39.36	26.91	56.00	46.00	-16.64	-19.09	Pass
5	1.4220	27.81	15.98	9.92	37.73	25.90	56.00	46.00	-18.27	-20.10	Pass
6	24.7540	21.00	10.11	10.38	31.38	20.49	60.00	50.00	-28.62	-29.51	Pass

Copy data, L line



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1*	0.1940	42.16	30.23	9.79	51.95	40.02	63.86	53.86	-11.91	-13.84	Pass
2	0.2580	34.10	22.99	9.77	43.87	32.76	61.49	51.50	-17.62	-18.74	Pass
3	0.5740	33.21	21.91	9.68	42.89	31.59	56.00	46.00	-13.11	-14.41	Pass
4	1.1539	32.85	15.53	9.79	42.64	25.32	56.00	46.00	-13.36	-20.68	Pass
5	2.9020	28.01	13.57	9.75	37.76	23.32	56.00	46.00	-18.24	-22.68	Pass
6	5.6660	30.73	16.87	9.78	40.51	26.65	60.00	50.00	-19.49	-23.35	Pass

Copy data, N line



No.	Frequency	QuasiPeak reading	Average reading	Correction factor	QuasiPeak result	Average result	QuasiPeak limit	Average limit	QuasiPeak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	
1	0.1940	41.39	29.89	9.79	51.18	39.68	63.86	53.86	-12.68	-14.18	Pass
2	0.2540	33.75	22.82	9.77	43.52	32.59	61.62	51.63	-18.10	-19.04	Pass
3*	0.5700	33.64	22.49	9.68	43.32	32.17	56.00	46.00	-12.68	-13.83	Pass
4	1.1180	32.44	18.00	9.80	42.24	27.80	56.00	46.00	-13.76	-18.20	Pass
5	2.6099	26.77	13.22	9.74	36.51	22.96	56.00	46.00	-19.49	-23.04	Pass
6	17.8420	18.51	7.26	9.72	28.23	16.98	60.00	50.00	-31.77	-33.02	Pass

Note:

The field strength is calculated by adding the LISN Factor, Cable Factor. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading - Correct Factor

Correct Factor =*LISN Factor–Cable Factor*

5.2 Radiated Emissions

Test Requirement: 47 CFR Part 15 Subpart B Section 15.109
Test Method: ANSI C63.4-2014
Limit:

Limits for Class B devices

Frequency (MHz)	limits at 3m dB(μV/m)		
	QP Detector	PK Detector	AV Detector
30-88	40.0	--	--
88-216	43.5	--	--
216-960	46.0	--	--
960 to 1000	54.0	--	--
Above 1000	--	74.0	54.0

Note:15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.

Remark:
1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. For frequencies above 1000 MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20 dB under any condition of modulation.

The emissions were measured using the following resolution bandwidths:

Frequency	Detector	RBW	VBW	Remark
30MHz-1GHz	Quasi-peak	100 kHz	300kHz	Quasi-peak
Above 1GHz	Peak	1MHz	3MHz	Peak
	Peak	1MHz	10Hz	Average

Peak measurements and average measurements are made. All emissions were determined to have a peak-to-average ratio of less than 20dB.

Test Procedure:

Below 1GHz test procedure as below:

a) The Product was placed on the non-conductive turntable 0.8 m above the ground at a chamber.
b) Set the spectrum analyzer/receiver in Peak detector, Max Hold mode, and 120 kHz RBW. Record the maximum field strength of all the pre-scan process in the full band when the antenna is varied between 1~4 m in both horizontal and vertical, and the turntable is rotated from 0 to 360 degrees.
c) For each frequency whose maximum record was higher or close to limit, measure its QP value: vary the antenna's height and rotate the turntable from 0 to 360 degrees to find the height and degree where Product radiated the maximum emission, then set the test frequency analyzer/receiver to QP Detector and specified bandwidth with Maximum Hold Mode, and record the maximum value.

Above 1GHz test procedure as below:

a) The Product was placed on the non-conductive turntable 0.8 m above the ground at a chamber.

b) Set the spectrum analyzer/receiver in Peak detector, Max Hold mode, and 1MHz RBW. Record the maximum field strength of all the pre-scan process in the full band when the antenna is varied in both horizontal and vertical, and the turntable is rotated from 0 to 360 degrees.

c) For each frequency whose maximum record was higher or close to limit, measure its AV value: rotate the turntable from 0 to 360 degrees to find the degree where Product radiated the maximum emission, then set the test frequency analyzer/receiver to AV value and specified bandwidth with Maximum Hold Mode, and record the maximum value.

Test Setup: Refer to section 4.2.2 for details.

Instruments Used: Refer to section 3 for details

Test Mode: Adapter charging mode, waiting mode, hovering mode and copy data mode

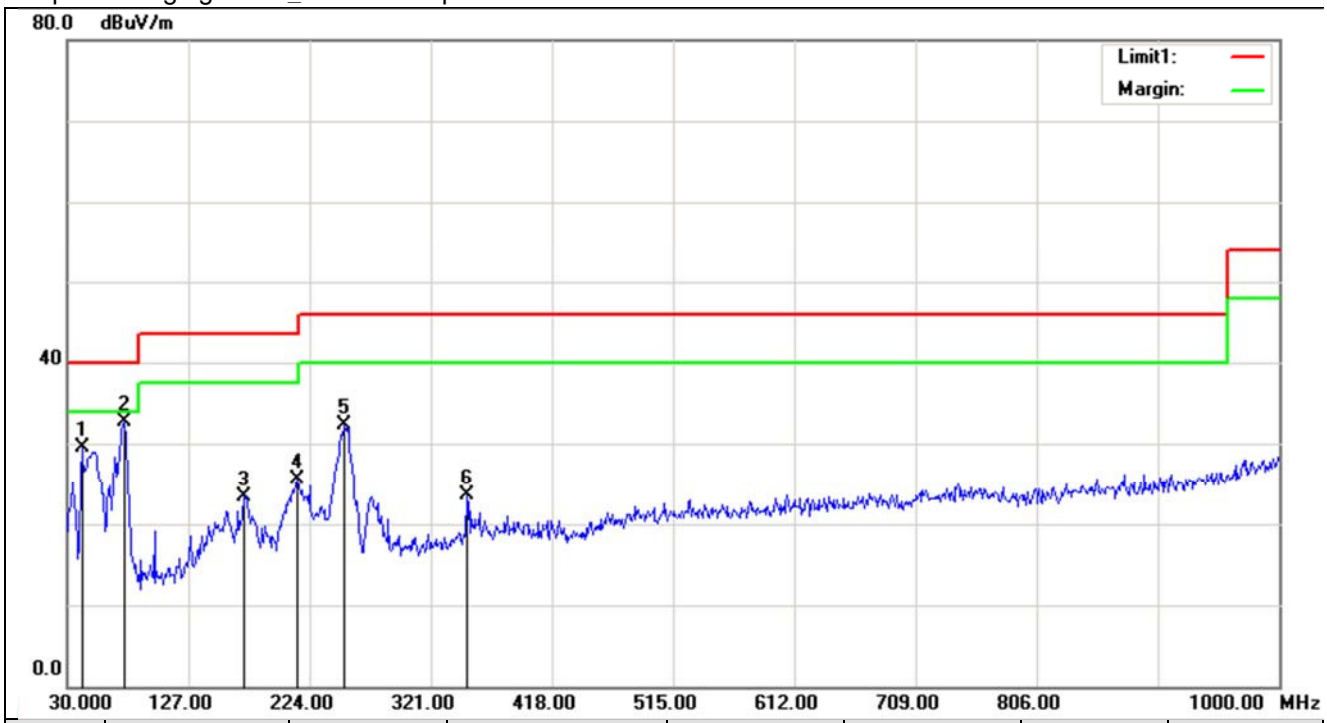
Test Results: Pass

Test Graphs and Data:

Remark:

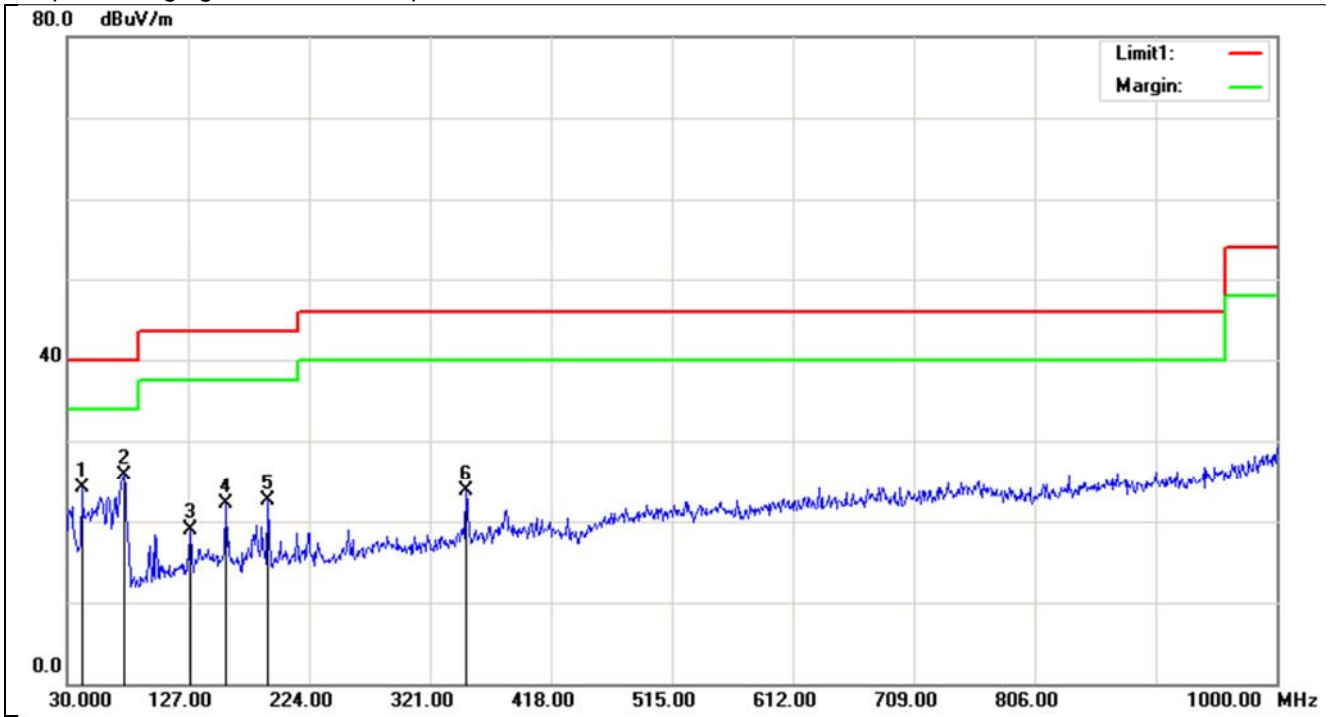
The EUT this time and previous (FCC ID: 2AIDWHC-6428) all the accessories (these accessories include the adapter, charging dock, USB cable and batteries) are the same, the only differences are the RF output power and power supply circuit board of UAV. After assessment, this differences does not affect the test results of the adapter charging mode, so the following test data(only adapter charging mode) from the original report with report No. 16WS0525027F-01 Rev0 (FCC ID: 2AIDWHC-6428).

Below 1 GHz:
Adapter Charging Mode_ Horizontal polarization



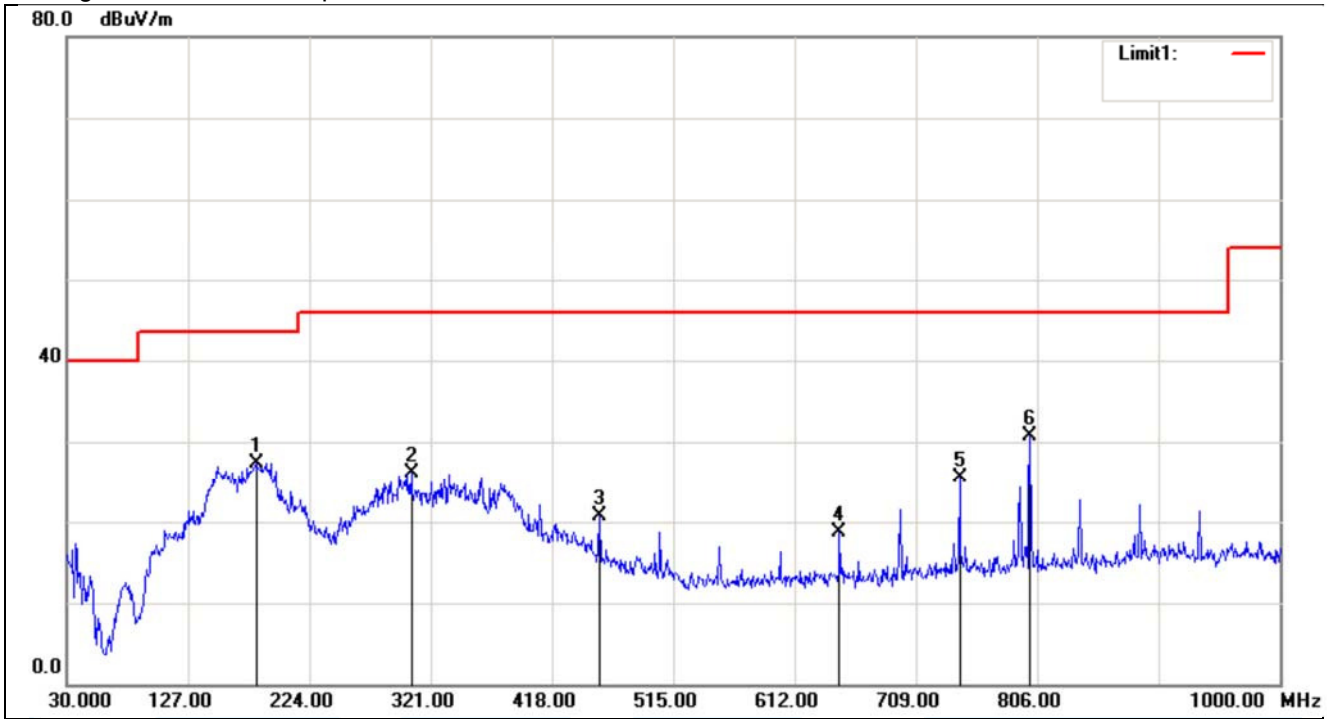
.No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	41.6400	41.03	-11.44	29.59	40.00	-10.41	QP
2*	75.5900	48.10	-15.47	32.63	40.00	-7.37	QP
3	171.6200	36.29	-12.92	23.37	43.50	-20.13	QP
4	214.3000	36.64	-11.20	25.44	43.50	-18.06	QP
5	252.1300	43.16	-10.78	32.38	46.00	-13.62	QP
6	350.1000	32.93	-9.38	23.55	46.00	-22.45	QP

Adapter Charging Mode_ Vertical polarization



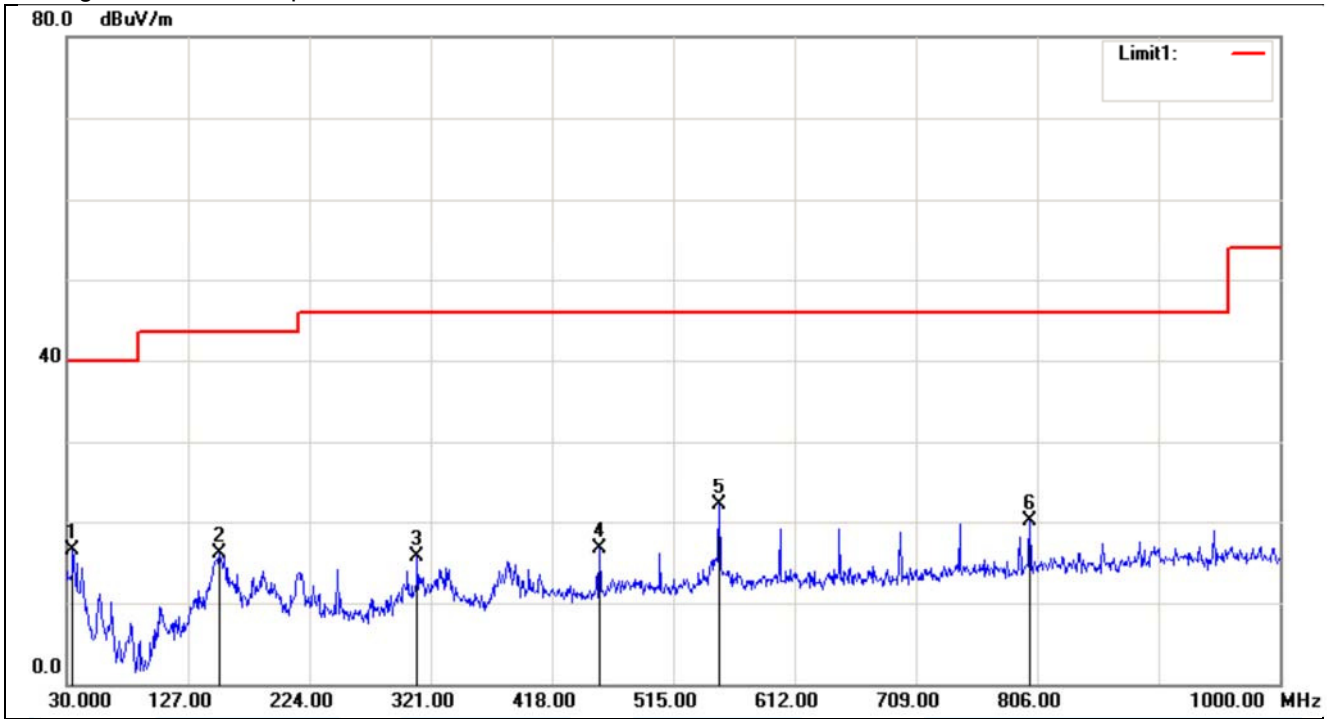
.No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	41.6400	35.49	-11.44	24.05	40.00	-15.95	QP
2*	75.5900	41.27	-15.47	25.80	40.00	-14.20	QP
3	128.9400	31.43	-12.54	18.89	43.50	-24.61	QP
4	157.0700	33.89	-11.79	22.10	43.50	-21.40	QP
5	191.0200	35.40	-12.88	22.52	43.50	-20.98	QP
6	350.1000	33.02	-9.38	23.64	46.00	-22.36	QP

Waiting Mode_ Horizontal polarization



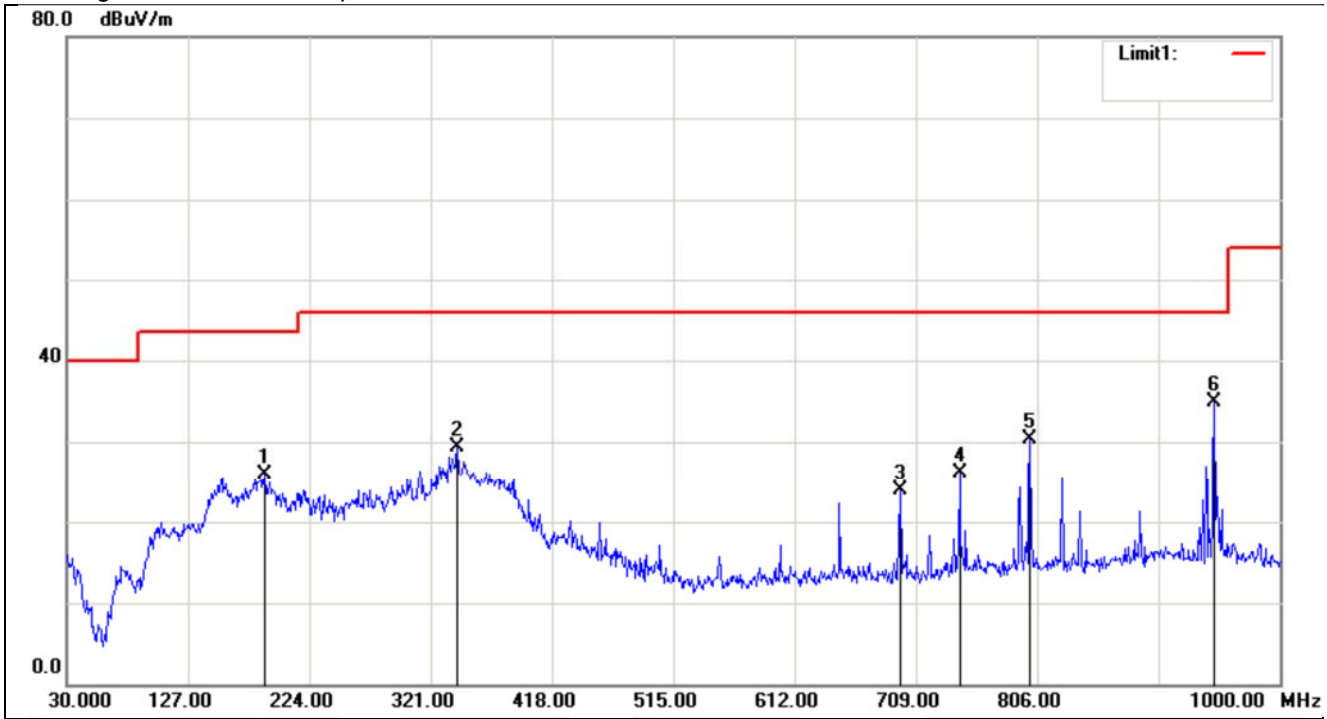
.No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	181.3200	50.33	-22.94	27.39	43.50	-16.11	QP
2	305.4800	45.47	-19.36	26.11	46.00	-19.89	QP
3	455.8300	35.95	-15.30	20.65	46.00	-25.35	QP
4	647.8900	31.28	-12.51	18.77	46.00	-27.23	QP
5	743.9200	36.75	-11.29	25.46	46.00	-20.54	QP
6*	800.1800	41.76	-11.11	30.65	46.00	-15.35	QP

Waiting Mode_ Vertical polarization



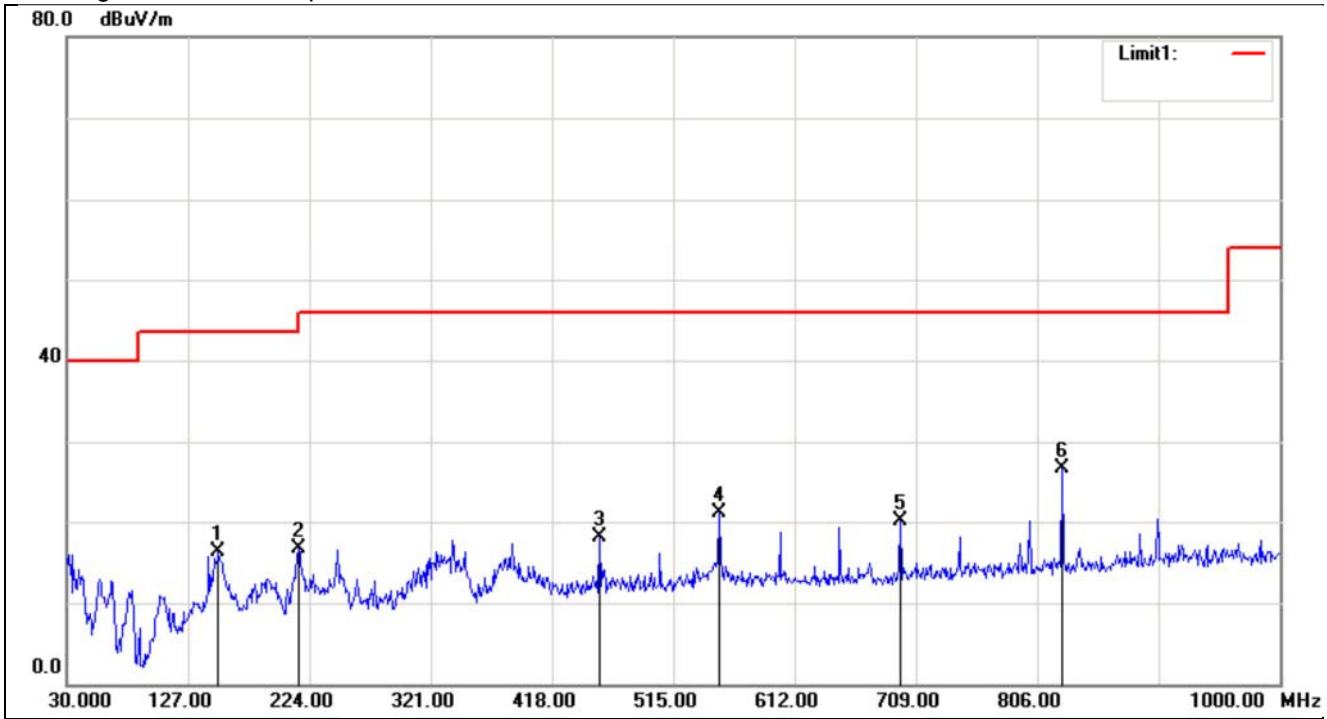
.No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1*	34.8500	30.91	-14.50	16.41	40.00	-23.59	QP
2	152.2200	38.05	-21.93	16.12	43.50	-27.38	QP
3	310.3300	34.79	-19.17	15.62	46.00	-30.38	QP
4	455.8300	31.97	-15.30	16.67	46.00	-29.33	QP
5	551.8600	35.19	-13.13	22.06	46.00	-23.94	QP
6	800.1800	31.22	-11.11	20.11	46.00	-25.89	QP

Hovering Mode_ Horizontal polarization



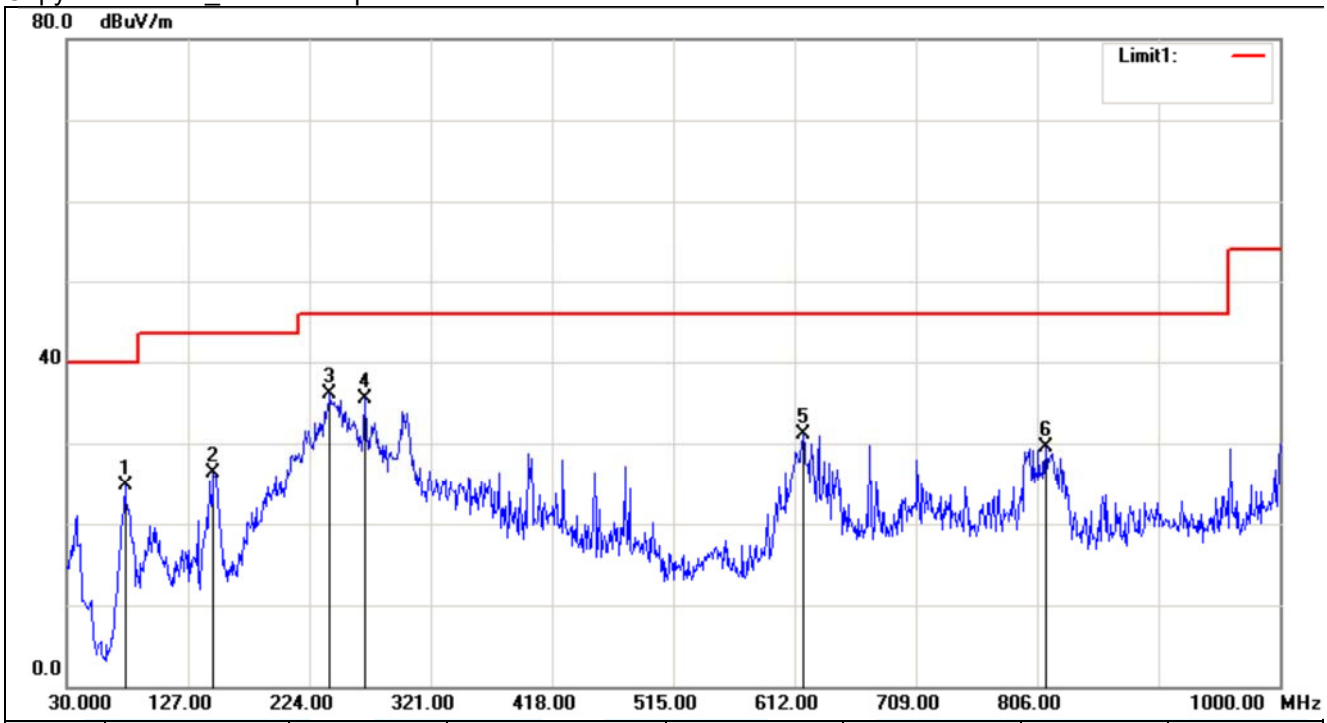
.No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	188.1100	48.79	-22.88	25.91	43.50	-17.59	QP
2	342.3400	47.42	-18.04	29.38	46.00	-16.62	QP
3	696.3900	35.87	-12.03	23.84	46.00	-22.16	QP
4	743.9200	37.42	-11.29	26.13	46.00	-19.87	QP
5	800.1800	41.32	-11.11	30.21	46.00	-15.79	QP
6*	947.6200	44.26	-9.44	34.82	46.00	-11.18	QP

Hovering Mode_ Vertical polarization



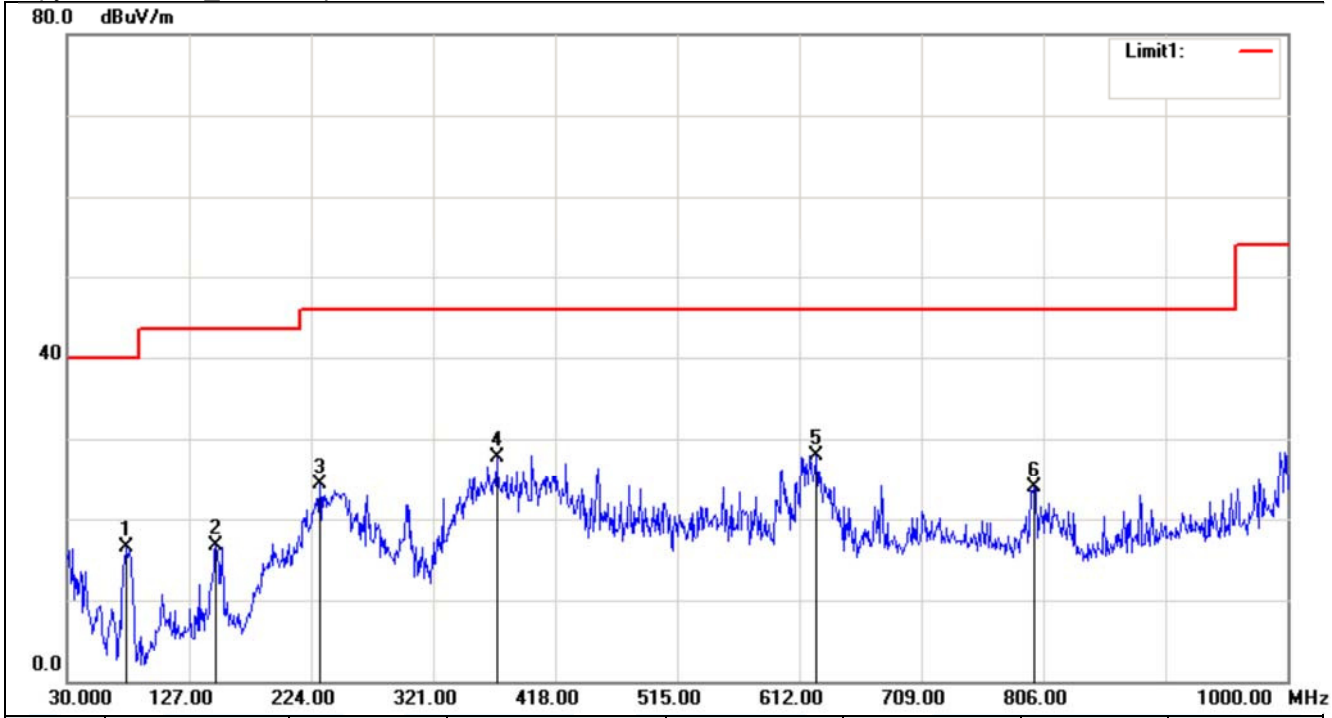
.No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	151.2500	38.10	-21.86	16.24	43.50	-27.26	QP
2	215.2700	37.62	-20.90	16.72	43.50	-26.78	QP
3	455.8300	33.36	-15.30	18.06	46.00	-27.94	QP
4	551.8600	34.16	-13.13	21.03	46.00	-24.97	QP
5	696.3900	32.07	-12.03	20.04	46.00	-25.96	QP
6*	826.3700	37.19	-10.51	26.68	46.00	-19.32	QP

Copy Data Mode_ Horizontal polarization



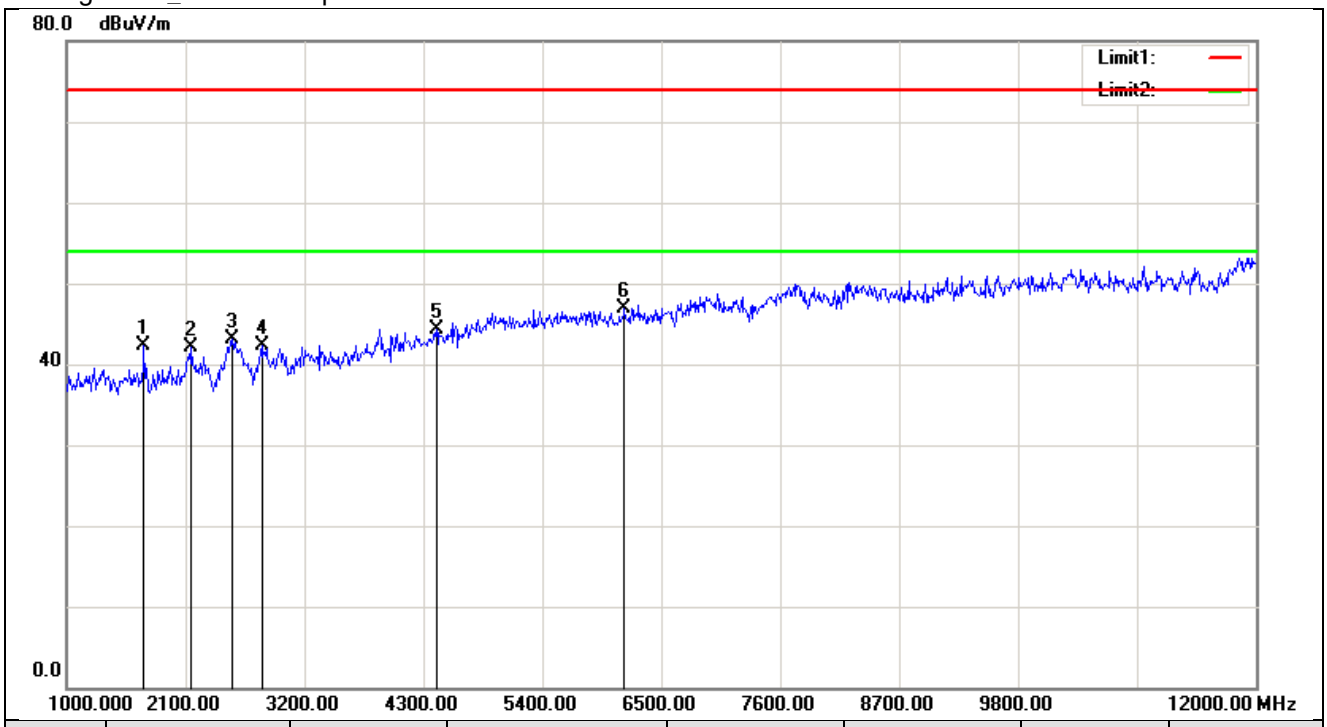
.No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	76.5600	50.99	-26.34	24.65	40.00	-15.35	QP
2	147.3700	47.93	-21.63	26.30	43.50	-17.20	QP
3*	240.4900	57.65	-21.48	36.17	46.00	-9.83	QP
4	268.6200	55.97	-20.42	35.55	46.00	-10.45	QP
5	618.7900	43.94	-12.89	31.05	46.00	-14.95	QP
6	812.7900	40.19	-10.66	29.53	46.00	-16.47	QP

Copy Data Mode_ Vertical polarization



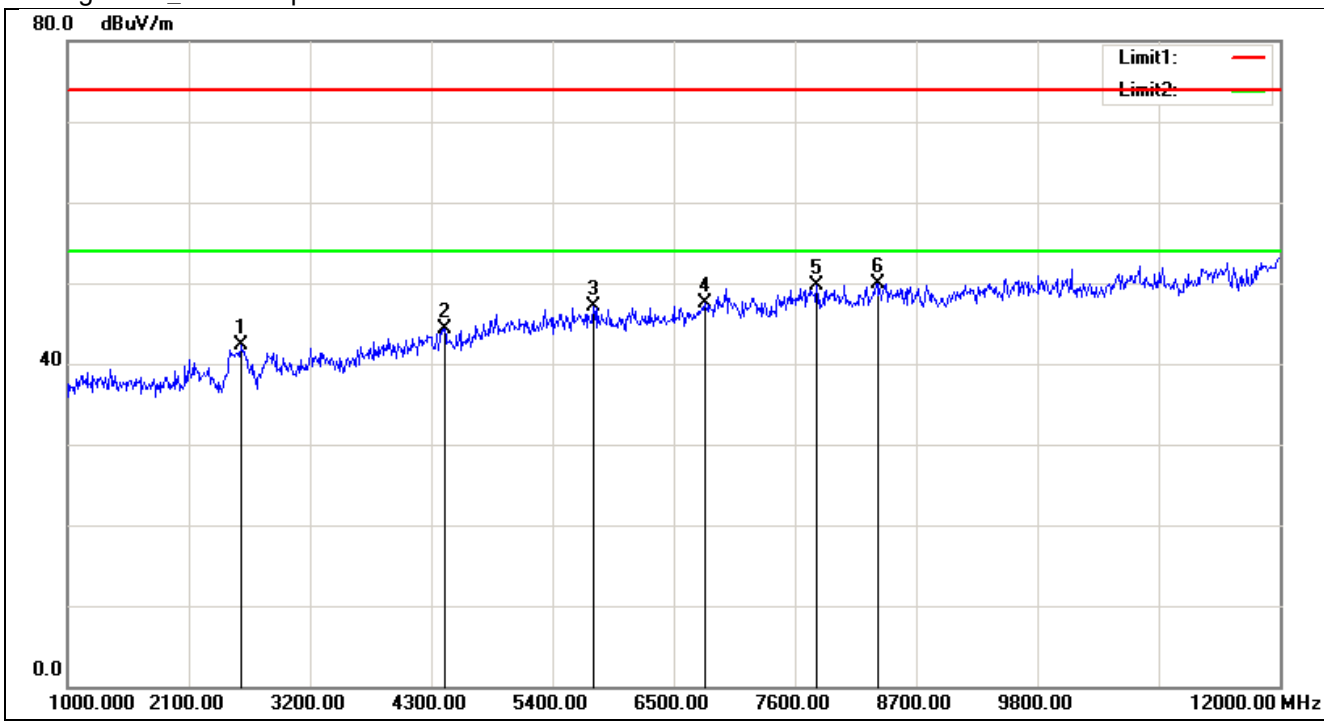
.No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	77.5300	42.90	-26.44	16.46	40.00	-23.54	QP
2	148.3400	38.36	-21.68	16.68	43.50	-26.82	QP
3	230.7900	46.11	-21.82	24.29	46.00	-21.71	QP
4	371.4400	44.86	-17.11	27.75	46.00	-18.25	QP
5*	625.5800	40.59	-12.69	27.90	46.00	-18.10	QP
6	799.2100	34.98	-11.12	23.86	46.00	-22.14	QP

Above 1GHz:
Waiting Mode_ Horizontal polarization



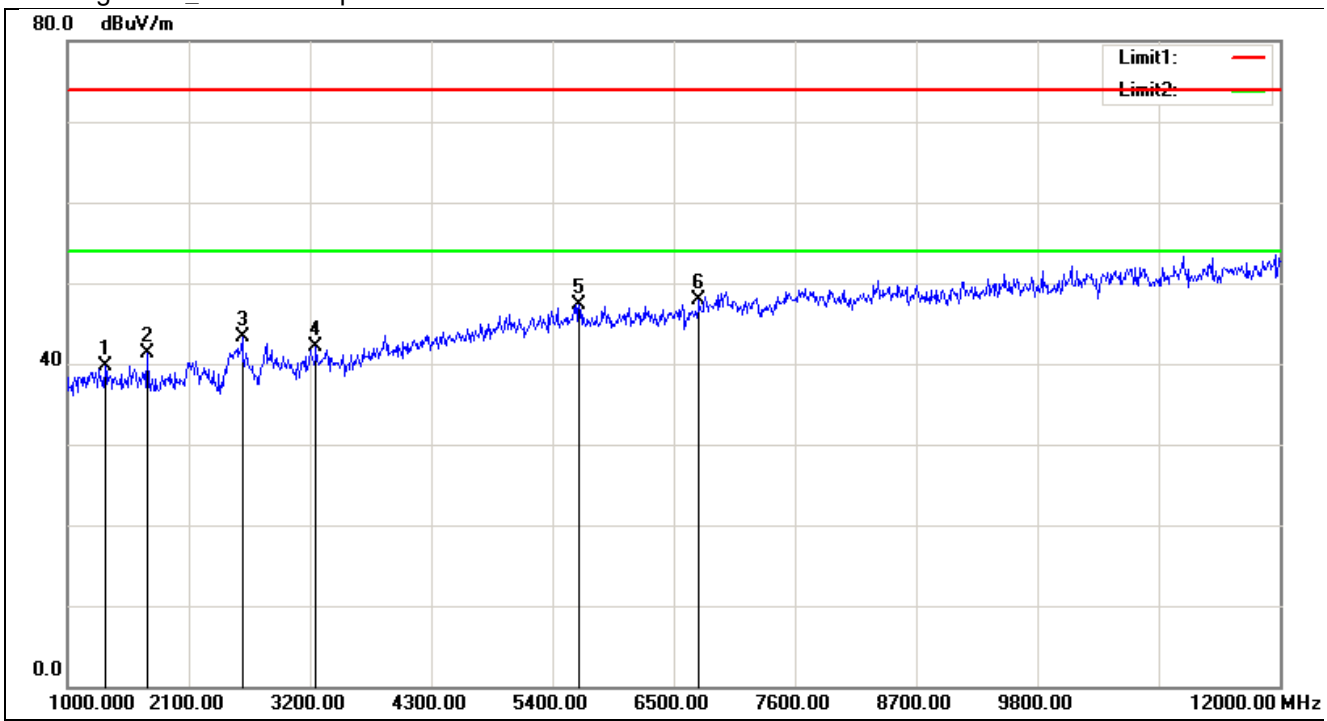
.No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1715.000	48.80	-6.45	42.35	74.00	-31.65	Peak
2	2155.000	46.27	-4.15	42.12	74.00	-31.88	Peak
3	2529.000	45.39	-2.21	43.18	74.00	-30.82	Peak
4	2804.000	43.94	-1.71	42.23	74.00	-31.77	Peak
5	4421.000	41.17	3.07	44.24	74.00	-29.76	Peak
6*	6159.000	40.53	6.34	46.87	74.00	-27.13	Peak

Waiting Mode_ Vertical polarization



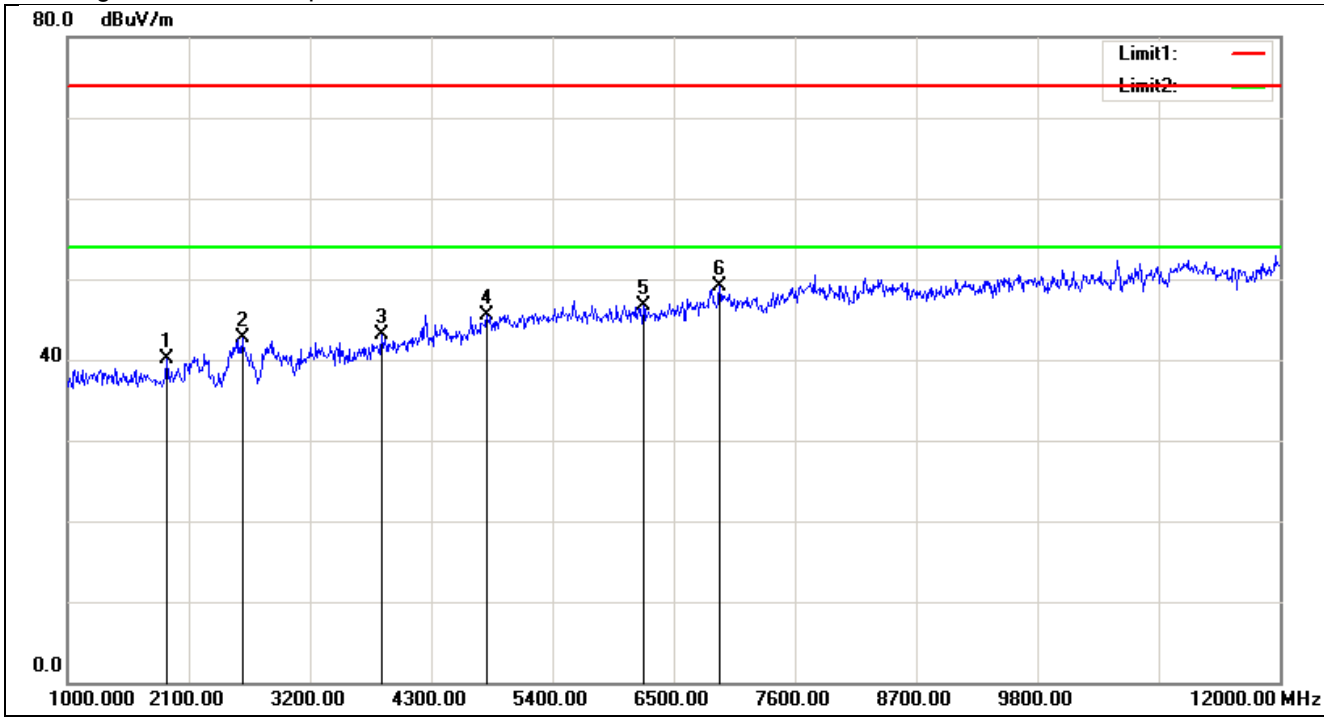
.No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2573.000	44.42	-2.13	42.29	74.00	-31.71	Peak
2	4421.000	41.31	3.07	44.38	74.00	-29.62	Peak
3	5774.000	41.18	5.99	47.17	74.00	-26.83	Peak
4	6786.000	40.10	7.35	47.45	74.00	-26.55	Peak
5	7798.000	40.44	9.26	49.70	74.00	-24.30	Peak
6*	8348.000	40.49	9.46	49.95	74.00	-24.05	Peak

Hovering Mode_ Horizontal polarization



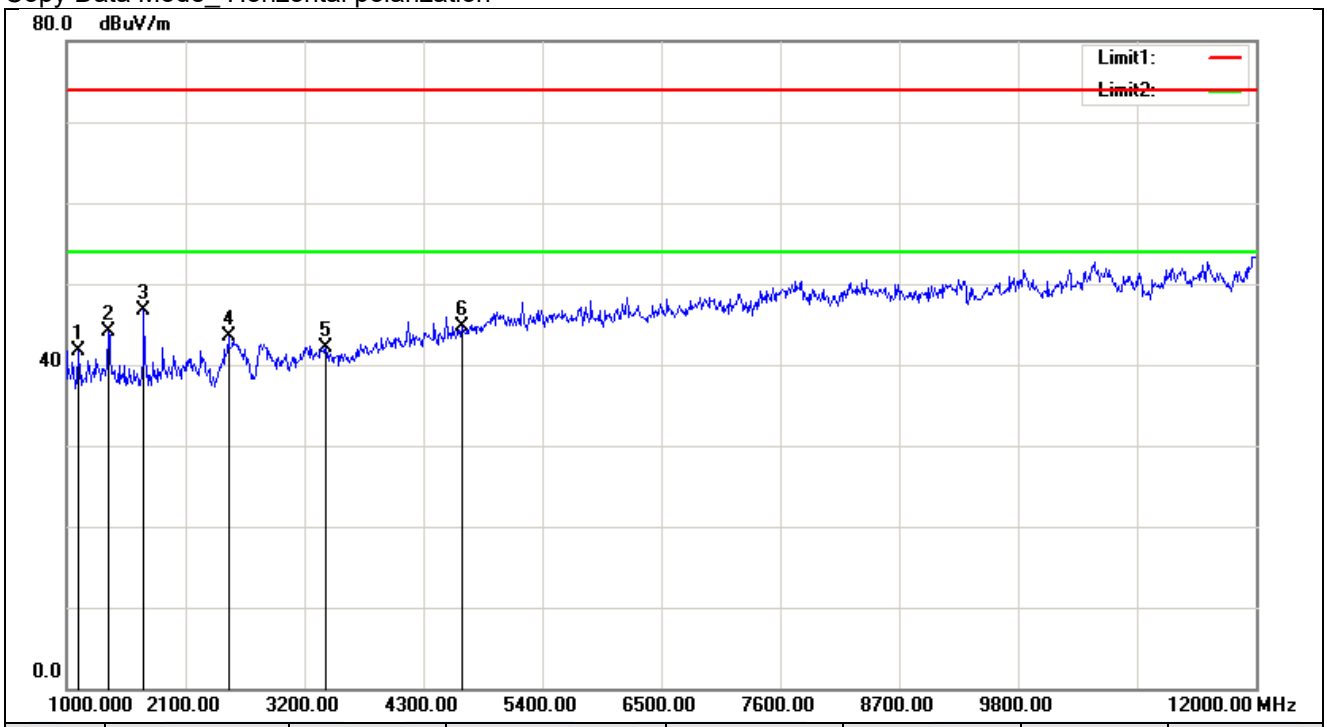
.No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1341.000	46.92	-7.28	39.64	74.00	-34.36	Peak
2	1726.000	47.77	-6.43	41.34	74.00	-32.66	Peak
3	2584.000	45.39	-2.11	43.28	74.00	-30.72	Peak
4	3255.000	43.06	-0.93	42.13	74.00	-31.87	Peak
5	5642.000	41.41	5.93	47.34	74.00	-26.66	Peak
6*	6731.000	40.58	7.26	47.84	74.00	-26.16	Peak

Hovering Mode_ Vertical polarization



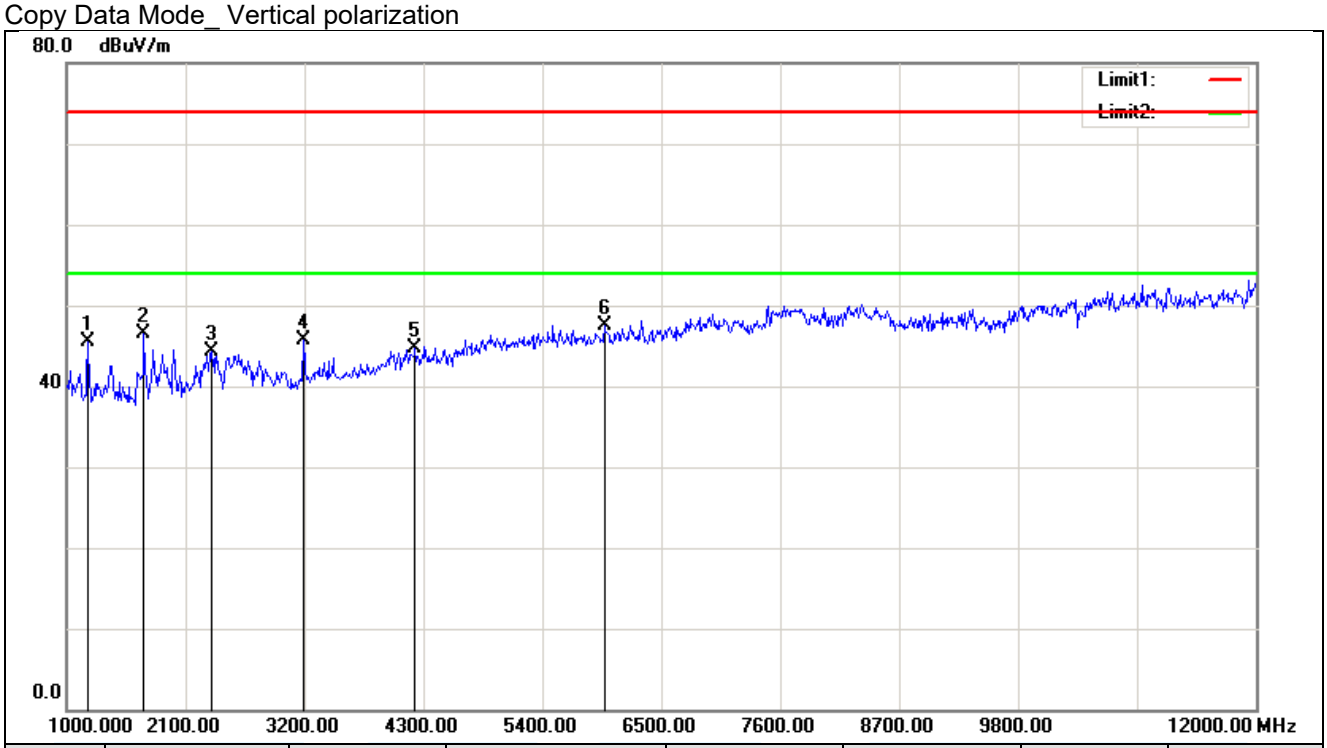
.No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1902.000	45.74	-5.62	40.12	74.00	-33.88	Peak
2	2584.000	44.83	-2.11	42.72	74.00	-31.28	Peak
3	3849.000	42.17	0.95	43.12	74.00	-30.88	Peak
4	4806.000	41.12	4.35	45.47	74.00	-28.53	Peak
5	6225.000	40.30	6.44	46.74	74.00	-27.26	Peak
6*	6918.000	41.56	7.57	49.13	74.00	-24.87	Peak

Copy Data Mode_ Horizontal polarization



.No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1110.000	49.93	-8.13	41.80	74.00	-32.20	Peak
2	1385.000	51.17	-7.11	44.06	74.00	-29.94	Peak
3*	1715.000	53.20	-6.45	46.75	74.00	-27.25	Peak
4	2496.000	45.78	-2.28	43.50	74.00	-30.50	Peak
5	3398.000	42.71	-0.69	42.02	74.00	-31.98	Peak
6	4652.000	40.93	3.85	44.78	74.00	-29.22	Peak

Copy Data Mode_ Vertical polarization



.No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1198.000	53.31	-7.80	45.51	74.00	-28.49	Peak
2	1715.000	52.87	-6.45	46.42	74.00	-27.58	Peak
3	2342.000	47.50	-3.13	44.37	74.00	-29.63	Peak
4	3189.000	46.81	-1.04	45.77	74.00	-28.23	Peak
5	4223.000	42.27	2.37	44.64	74.00	-29.36	Peak
6*	5972.000	41.38	6.07	47.45	74.00	-26.55	Peak

Note:

1) *The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:*

   Final Test Level =Receiver Reading - Correct Factor

   Correct Factor = *Preamplifier Factor– Antenna Factor–Cable Factor*

2) *Scan from 9kHz to 12GHz, the disturbance below 30MHz was very low, the amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.*

3) *Snce peak data above 1GHz are lower the average limit, so the average data are pass, no need for testing.*

APPENDIX 1 PHOTOGRAPHS OF TEST SETUP

See test photographs attached in Appendix 1 for the actual connections between Product and support equipment.

APPENDIX 2 PHOTOGRAPHS OF EUT CONSTRUCTIONAL DETAILS

Refer to Appendix 2 for EUT external and internal photographs.

*** End of Report ***

The test report is effective only with both signature and specialized stamp. The result(s) shown in this report refer only to the sample(s) tested. Without written approval of UnionTrust, this report can't be reproduced except in full.

Labelling Requirements

Each digital device which has been verified as complying with the Class B limits shall have permanently attached in a conspicuous location for the user to observe, a label with the following statement:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Information to User

The following warning or similar statement shall be provided in a conspicuous location in the operator's manual so that the user of a Class B digital device is aware of its interference potential. Additional information about corrective measures may also be provided to the user at the manufacturer's option.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- **Reorient or relocate the receiving antenna**
- **Increase the separation between the equipment and receiver**
- **Connect the equipment into an outlet on a circuit different from that to which the receiver is connected**
- **Consult the dealer or an experienced radio/TV technician for help**

The instruction manual for a Class B external switching power supply that is separately marketed shall also include sufficient information to insure that the complete system is capable of complying with the requirements for a Class B external switching power supplies. The manual should also caution the user that changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment. Finally, the manual should instruct the user to use any special accessories, i.e. shielded cables, necessary for compliance with the standards.

In cases where the manual is provided only in a form other than paper, such as on a computer disk or over the Internet, the information required above may be included in the manual in that alternative form, provided that the user can be reasonably expected to have the capability to access information in that form.