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TEST REPORT

Application No.:	SZCR2106021416AT			
Applicant:	Shenzhen Zero Zero Infinity Technology Co., Ltd.			
Address of Applicant:	Room A503, F5, Shanshui Building, No.4093, Liuxian Avenue, Nanshan District, Shenzhen, Guangdong, China			
Manufacturer:	Shenzhen Zero Zero Infinity Technology Co., Ltd.			
Address of Manufacturer:	Room A503, F5, Shanshui Building, No.4093, Liuxian Avenue, Nanshan District, Shenzhen, Guangdong, China			
Factory:	SHENZHEN CENCOM TECHNOLOGY CO., LTD			
Address of Factory:	No.1 Yuanlingzai Park,Henggang Town,Longgang District, Shenzhen,Guangdong,China			
Equipment Under Test (EUT):			
EUT Name:	V-Coptr Falcon			
Model No.:	ZV101			
Trade Mark:	Zerozero Robertics			
FCC ID:	2AIDW-ZV101			
Standard(s) :	47 CFR Part 15, Subpart C 15.247			
Date of Receipt:	2021-06-07			
Date of Test:	2021-06-10 to 2021-06-25			
Date of Issue:	2021-06-29			
Test Result:	Pass*			

* In the configuration tested, the EUT complied with the standards specified above.

Keny. Ku

Keny Xu EMC Laboratory Manager



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	Revision Record						
Version	Chapter	Date	Modifier	Remark			
01		2021-06-29		Original			

Authorized for issue by:			
	1-farry Use		
	Harry Wu/Project Engineer	-	
	Eric Fu		
	Eric Fu/Reviewer	-	



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2 Test Summary

Radio Spectrum Technical Requirement					
Item	Standard	Method	Requirement	Result	
Antenna Requirement	47 CFR Part 15, Subpart C 15.247	N/A	47 CFR Part 15, Subpart C 15.203 & 15.247(b)(4)	Pass	

Radio Spectrum Matter Part					
Item	Standard	Method	Requirement	Result	
Conducted Peak Output Power		ANSI C63.10 (2013) Section 11.9.1	47 CFR Part 15, Subpart C 15.247(b)(3)	Pass	
Radiated Emissions which fall in the restricted bands	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 6.10.5	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass	
Radiated Spurious Emissions Below 1GHz		ANSI C63.10 (2013) Section 6.4,6.5	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass	
Radiated Spurious Emissions Above 1GHz		ANSI C63.10 (2013) Section 6.6	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass	

Remark:

Model No.: ZV101

This test report (Ref. No.: SZCR210602141601) is only valid with the original test report (Ref. No.: SZEM191202089701).

Review this report and original report, this report just changed product name.

According to the declaration from the applicant, the model in this report and model in original report were identical, only difference with being changed the Non-RF Circuit.

Considering to the difference, pre-scan were performed on the sample in this report to find the items which can be influential to the result in the original test report for fully retest.

Therefore in this report Conducted Peak Output Power, Radiated Emissions which fall in the restricted bands, Radiated Spurious Emissions Below 1GHz, Radiated Spurious Emissions Above 1GHz were fully retested on model ZV101 and shown the data in this report, other tests please refer to original report SZEM191202089701.



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General Information 4

4.1 Details of E.U.T.

Power supply:	DC15.4V Rechargeable Lipo Battery
Operation Frequency:	2406MHz to 2466MHz
Modulation Type:	BPSK, QPSK,16QAM, 64QAM
Number of Channels:	7
Channel Spacing:	10MHz
Antenna Type:	Antenna 1 & 2: Dipole antenna
Antenna Gain:	Antenna 1 & 2: 2.86dBi
Remark:	1.Two Antennas can't transmit synchronously.

4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.			
The EUT has been tested as an independent unit.						

4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Peak Output Power	± 0.75dB
Radiated Emissions which fall in the restricted bands	± 4.5dB (Below 1GHz);± 4.8dB (Above 1GHz)
Radiated Spurious Emissions Below 1GHz	± 4.5dB
Radiated Spurious Emissions Above 1GHz	± 4.8dB

Remark:

The Ulab (lab Uncertainty) is less than Ucispr (CISPR Uncertainty), so the test results

- compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;

- non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.



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4.4 Test Location

All tests were performed at: SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, Guangdong, China. 518057. Fax: +86 755 2671 0594 Tel: +86 755 2601 2053 No tests were sub-contracted.

4.5 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

A2LA (Certificate No. 3816.01)

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

VCCI (Member No. 1937)

The 3m Fully-anechoic chamber for above 1GHz, 10m Semi-anechoic chamber for below 1GHz, Shielded Room for Mains Port Conducted Interference Measurement and Telecommunication Port Conducted Interference Measurement of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen EMC laboratory have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-20026, R-14188, C-12383 and T-11153 respectively.

FCC –Designation Number: CN1178

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1178. Test Firm Registration Number: 406779.

Innovation, Science and Economic Development Canada

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0006.

IC#: 4620C.

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None



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Equipment List 5

Conducted Peak Output Power					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Shielding Room	SAEMC	MSR733	SEM001-09	2019-06-13	2022-06-12
DC Power Supply	Rohde & Schwarz	NGSM 32/10	SEM011-04	2021-03-23	2022-03-22
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-17	2021-04-08	2022-04-07
Measurement Software	TST	TST PASS V1.0.5	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2020-07-10	2021-07-09
Attenuator	Huber+Suhner	6620_SMA-50- 1	SEM021-09	2021-04-08	2022-04-07

Radiated Emissions which fall in the restricted bands					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2021-03-26	2024-03-25
EXA Signal Analyzer	Agilent Technologies Inc	N9010A	SEM004-12	2021-02-01	2022-01-31
Horn Antenna	Rohde&Schwarz	HF906	SHEM009-2	2020-07-27	2022-07-26
Pre-Amplifier	Compliance Directions Systems Inc.	PAP-0126	SEM004-11	2020-09-23	2021-09-22
Measurement Software	AUDIX	e3 V8.2014-6- 27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2020-07-10	2021-07-09
Pre-Amplifier	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2021-03-24	2022-03-23

Radiated Spurious Emis	ssions Below 1GHz				
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2020-07-19	2023-07-18
MXE EMI Receiver	Agilent Technologies	N9038A	SEM004-15	2020-11-02	2021-11-01
BiConiLog Antenna	ETS-LINDGREN	3142C	SEM003-02	2019-05-24	2022-05-23
Pre-Amplifier	Agilent Technologies	8447D	SEM005-01	2021-03-24	2022-03-23
Measurement Software	AUDIX	e3 V8.2014-6- 27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM025-01	2020-07-10	2021-07-09



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Radiated Spurious Emis	ssions Above 1GHz					
Equipment	Equipment Manufacturer Model No Inventory No Cal Date Cal Due					
3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2021-03-26	2024-03-25	
EXA Signal Analyzer	Agilent Technologies Inc	N9010A	SEM004-12	2021-02-01	2022-01-31	
Horn Antenna	Rohde&Schwarz	HF906	SHEM009-2	2020-07-27	2022-07-26	
Horn Antenna	Schwarzbeck	BBHA 9170	SEM003-15	2020-11-14	2023-11-13	
Pre-Amplifier	Compliance Directions Systems Inc.	PAP-0126	SEM004-11	2020-09-23	2021-09-22	
Measurement Software	AUDIX	e3 V8.2014-6- 27	N/A	N/A	N/A	
Coaxial Cable	SGS	N/A	SEM026-01	2020-07-10	2021-07-09	

General used equipmen	t				
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	Shanghai Meteorological Industry Factory	ZJ1-2B	SEM002-04	2020-09-15	2021-09-14
Humidity/ Temperature Indicator	Mingle	N/A	SEM002-08	2020-09-15	2021-09-14
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2021-03-30	2022-03-29



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6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203 & 15.247(b)(4)

6.1.2 Conclusion

Standard Requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(b) (4) requirement:

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

EUT Antenna:

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is Antenna 1 &2: 2.86dBi.

Antenna location: Refer to internal photo.



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Radio Spectrum Matter Test Results 7

7.1 Conducted Peak Output Power

Test Requirement	47 CFR Part 15, Subpart C 15.247(b)(3)
Test Method:	ANSI C63.10 (2013) Section 11.9.1

Limit:	
Frequency range(MHz)	Output power of the intentional radiator(watt)
	1 for ≥50 hopping channels
902-928	0.25 for 25≤ hopping channels <50
	1 for digital modulation
	1 for ≥75 non-overlapping hopping channels
2400-2483.5	0.125 for all other frequency hopping systems
	1 for digital modulation
5725-5850	1 for frequency hopping systems and digital modulation

7.1.1 E.U.T. Operation

Operating Environ	iment:					
Temperature:	24.8 °C	Humidity:	50.2 % RH	Atmospheric Pressure:	1010	mbar

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode(Antenna 1)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	01	TX mode(Antenna 2)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.



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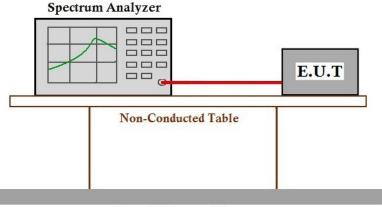
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7.1.3 Test Setup Diagram



Ground Reference Plane

7.1.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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7.2 Radiated Emissions which fall in the restricted bands

Test Requirement	47 CFR Part 15, Subpart C 15.205 & 15.209
Test Method:	ANSI C63.10 (2013) Section 6.10.5
Measurement Distance:	3m

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, 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.

7.2.1 E.U.T. Operation

Operating Enviro	onment:				
Temperature:	21.1 °C	Humidity:	54.2 % RH	Atmospheric Pressure: 10	10 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode(Antenna 1)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	01	TX mode(Antenna 2)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.



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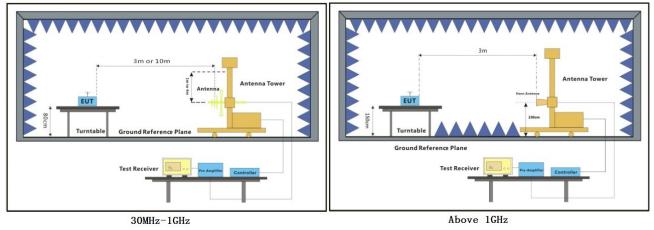
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7.2.3 Test Setup Diagram



7.2.4 Measurement Procedure and Data

a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

h. Test the EUT in the lowest channel, the middle channel, the Highest channel.

i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.

j. Repeat above procedures until all frequencies measured was complete.

Remark 1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

Remark 2: For frequencies above 1GHz, the field strength limits are based on average limits. 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. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.



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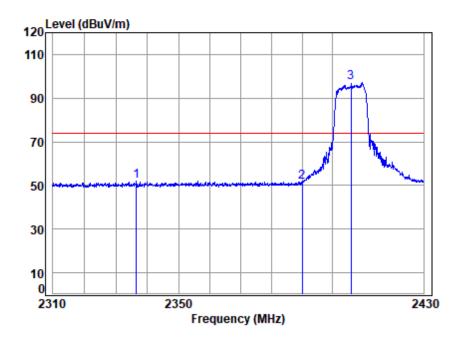
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Test Mode: 00; Polarity: Horizontal; Modulation:BPSK; Channel:Low



Condi Job N	Site : chamber Condition: 3m HORIZONTAL Job No : 21416AT Mode : 2406 Band edge										
mode	<u> </u>										
		Cable	Ant	Preamp	Read		Limit	0ver			
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark		
-	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB			
1	2336.473	4.26	28.77	40.39	59.22	51.86	74.00	-22.14	peak		
2	2390.000	4.34	28.88	40.42	58.58	51.38	74.00	-22.62	peak		
3.	2406.000								•		



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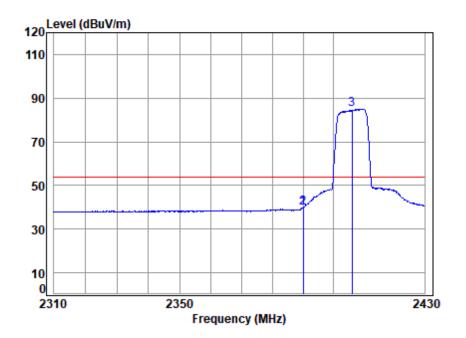
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Test Mode: 00; Polarity: Horizontal; Modulation:BPSK; Channel:Low



Site	Site : chamber											
Condi	Condition: 3m HORIZONTAL											
Job No : 21416AT												
Mode	Mode : 2406 Band edge											
		Cable	Ant	Preamp	Read		Limit	0ver				
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark			
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB				
1	2389.968	4.34	28.88	40.42	47.12	39.92	54.00	-14.08	Average			
2	2390.000	4.34	28.88	40.42	47.12	39.92	54.00	-14.08	Average			
3.	2406.000	4.37	28.91	40.43	92.21	85.06	54.00	31.06	Average			



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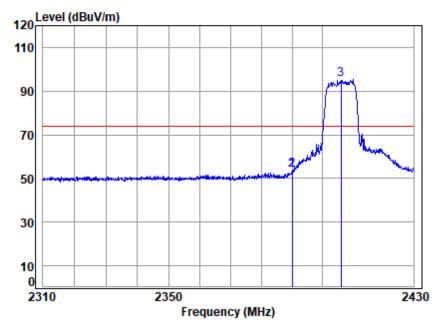
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Test Mode: 00; Polarity: Vertical; Modulation:BPSK; Channel:Low



Site : chamber Condition: 3m VERTICAL Job No : 21416AT											
Mode		06 Ban	d edge								
		Cable	-	Preamp	Read		Limit	0ver			
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark		
_											
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB			
1 2	2389.968	4.34	28.88	40.42	60.91	53.71	74.00	-20.29	Peak		
2 2	2390.000	4.34	28.88	40.42	60.91	53.71	74.00	-20.29	Peak		

40.43 102.28



3.2406.000

4.37

28.91

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95.13

74.00

21.13 Peak

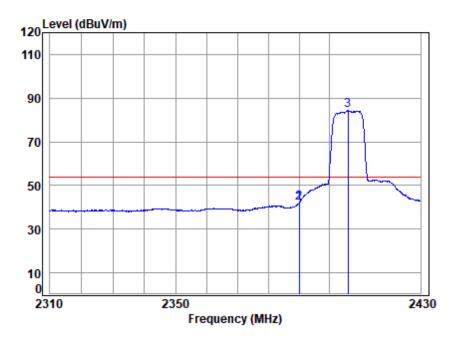
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Test Mode: 00; Polarity: Vertical; Modulation:BPSK; Channel:Low



Site :	chamber
Condition:	3m VERTICAL
Job No :	21416AT
Mode :	2406 Band edge

loue	: 24	oo ban	a eage						
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
-	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.968	4.34	28.88	40.42	49.10	41.90	54.00	-12.10	Average
2	2390.000	4.34	28.88	40.42	49.10	41.90	54.00	-12.10	Average
з.	2406.000	4.37	28.91	40.43	91.67	84.52	54.00	30.52	Average
· · ·	2-100.000	4.57	20.71		21.07	04.52	24.00	20.22	1101 060



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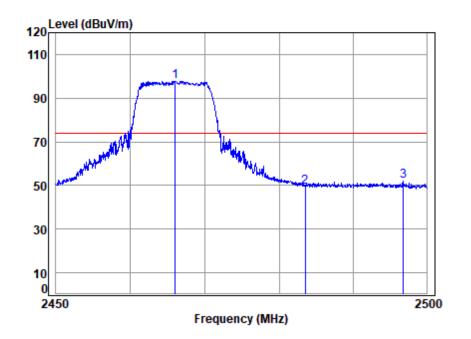
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Test Mode: 00; Polarity: Horizontal; Modulation:BPSK; Channel:High



Site : ch	amber							
Condition: 3m	HORIZO	NTAL						
Job No : 21	416AT							
Mode : 24	66 Band	l edge						
	Cable	Ant	Preamp	Read		Limit	0ver	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 . 2466.000	4.46	29.02	40.46	104.69	97.71	74.00	23./1	peak
2 2483.500	4.49	29.07	40.47	56.37	49.46	74.00	-24.54	peak
3 2496.820	4.52	29.09	40.47	58.81	51.95	74.00	-22.05	peak



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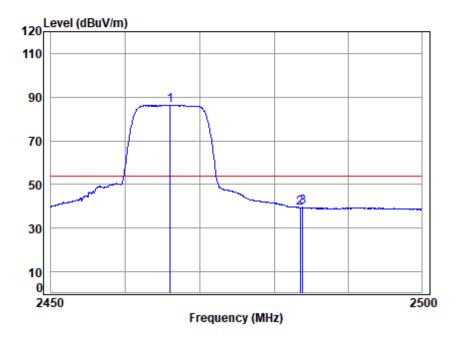
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Test Mode: 00; Polarity: Horizontal; Modulation:BPSK; Channel:High



Site : chamber Condition: 3m HORIZONTAL Job No : 21416AT Mode : 2466 Band edge											
		Cable	Ant	Preamp	Read		Limit	0ver			
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark		
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB			
1.24	66.000	4.46	29.02	40.46	93.26	86.28	54.00	32.28	Average		
2 24	83.500	4.49	29.07	40.47	46.26	39.35	54.00	-14.65	Average		
3 24	83.840	4.49	29.07	40.47	46.39	39.48	54.00	-14.52	Average		



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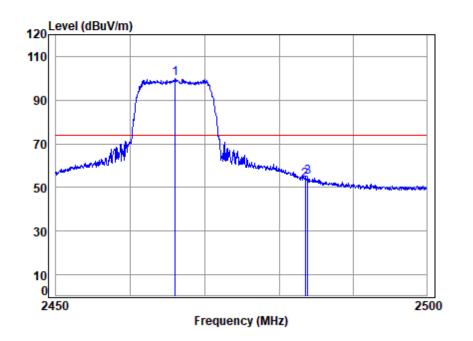
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Test Mode: 00; Polarity: Vertical; Modulation:BPSK; Channel:High



Site :	chamber
Condition:	3m VERTICAL
Job No :	21416AT
Mode :	2466 Band edge

Freq					Level			Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1.2466.000 22483.500 32483.890	4.49	29.07	40.47	60.21	53.30	74.00	-20.70	peak



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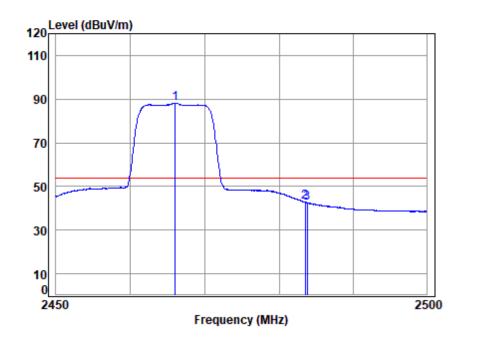
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Test Mode: 00; Polarity: Vertical; Modulation:BPSK; Channel:High



Site :	chamber
Condition:	3m VERTICAL
Job No :	21416AT

Mode		Cable		Preamp	Read		Limit		Demonto
	Freq	LOSS	Factor	Factor	rever	Level	Line	Limit	Kemark
-	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1.	2466.000	4.46	29.02	40.46	95.20	88.22	54.00	34.22	Average
2	2483.500	4.49	29.07	40.47	49.78	42.87	54.00	-11.13	Average
3	2483.790	4.49	29.07	40.47	49.41	42.50	54.00	-11.50	Average



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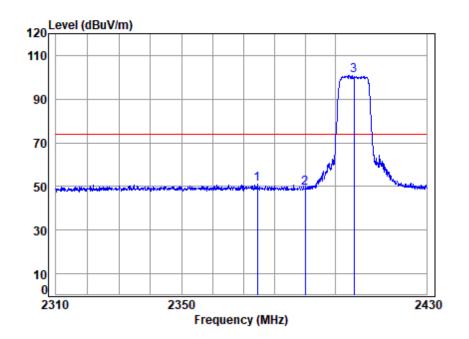
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Test Mode: 01; Polarity: Horizontal; Modulation:BPSK; Channel:Low



Condi Job N	Site : chamber Condition: 3m HORIZONTAL Job No : 21416AT											
Mode	Mode : 2406 Band edge											
		Cable	Ant	Preamp	Read		Limit	0ver				
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark			
	-											
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB				
1	2374.406	4.32	28.85	40.41	58.22	50.98	74.00	-23.02	peak			
2	2390.000	4.34	28.88	40.42	56.35	49.15	74.00	-24.85	peak			
3.	2406.000	4.38	28.92	40.43	107.91	100.78	74.00	26.78	peak			



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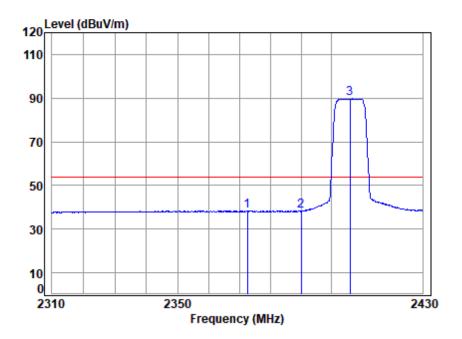
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Test Mode: 01; Polarity: Horizontal; Modulation:BPSK; Channel:Low



Condi Job No	Site : chamber Condition: 3m HORIZONTAL Job No : 21416AT Mode : 2406 Band edge								
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
_									
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2372.602	4.32	28.84	40.41	45.71	38.46	54.00	-15.54	Average
2	2390.000	4.34	28.88	40.42	45.57	38.37	54.00	-15.63	Average
з.	2406.000	4.38	28.92	40.43	96.89	89.76	54.00	35.76	Average



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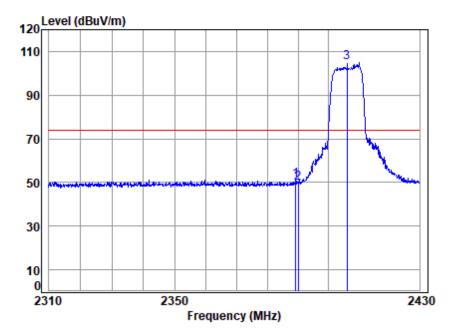
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Test Mode: 01; Polarity: Vertical; Modulation:BPSK; Channel:Low



Site			cha	amber							
				VERTI	CAL						
Job N	lo	:	214	416AT							
Mode		:	240	06 Ban	d edge						
				Cable	Ant	Preamp	Read		Limit	0ver	
		Fr	eq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
		M	Hz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	

1	2389.242	4.34	28.88	40.42	58.28	51.08	74.00	-22.92 peak
2	2390.000	4.34	28.88	40.42	56.98	49.78	74.00	-24.22 peak
з.	2406.000	4.38	28.92	40.43	112.26	105.13	74.00	31.13 peak



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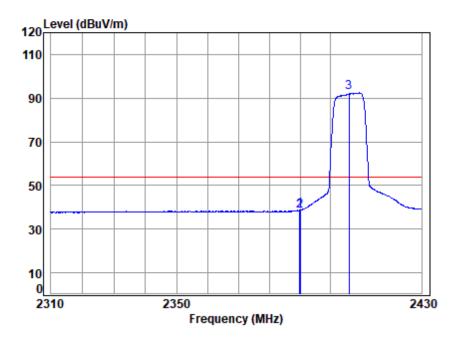
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Test Mode: 01; Polarity: Vertical; Modulation:BPSK; Channel:Low



Site :	chamber
Condition:	3m VERTICAL
Job No :	21416AT
Mode :	2406 Band edge

loue	. 240	JU Dan	u euge						
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.847	4.34	28.88	40.42	45.78	38.58	54.00	-15.42	Average
2	2390.000	4.34	28.88	40.42	45.70	38.50	54.00	-15.50	Average
з.	2406.000	4.38	28.92	40.43	99.53	92.40	54.00	38.40	Average
									-



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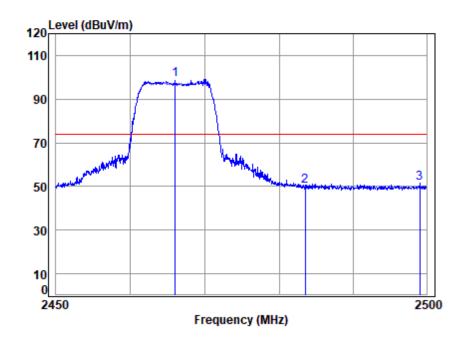
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Test Mode: 01; Polarity: Horizontal; Modulation:BPSK; Channel:High



Site									
Condition	Condition: 3m HORIZONTAL								
Job No	Job No : 21416AT								
Mode	: 246	6 Band	l edge						
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1.2466	.000	4.46	29.02	40.46	106.13	99.15	74.00	25.15	peak
2 2483	.500	4.49	29.07	40.47	57.18	50.27	74.00	-23.73	peak
3 2499	.091	4.52	29.10	40.47	58.56	51.71	74.00	-22.29	peak



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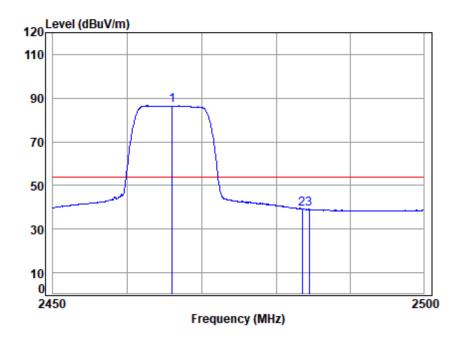
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Test Mode: 01; Polarity: Horizontal; Modulation:BPSK; Channel:High



Site Condi Job N Mode	ition: 3 No : 2	hamber M HORIZ 1416AT 2466 Ban							
				Preamp	Read		Limit	0ver	
	Fre	q Loss	Factor	Factor	Level	Level	Line	Limit	Remark
-	МН	z dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1.	2466.00	0 4.46	29.02	40.46	93.58	86.60	54.00	32.60	Average
2	2483.50	0 4.49	29.07	40.47	46.11	39.20	54.00	-14.80	Average
3	2484.44	2 4.50	29.07	40.47	46.04	39.14	54.00	-14.86	Average



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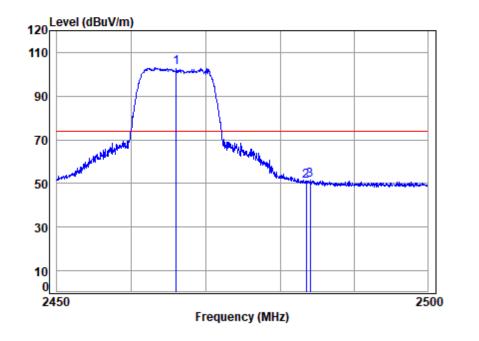
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Test Mode: 01; Polarity: Vertical; Modulation:BPSK; Channel:High



Site :	:	chamber
Condition:	:	3m VERTICAL
Job No :	:	21416AT
Mode :		2466 Band edge

louc	. 47	oo bun	u cusc						
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
_									
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1.	2466.000	4.46	29.02	40.46	110.12	103.14	74.00	29.14	peak
2	2483.500	4.49	29.07	40.47	58.06	51.15	74.00	-22.85	peak
3	2484.091	4.50	29.07	40.47	58.65	51.75	74.00	-22.25	peak
									•



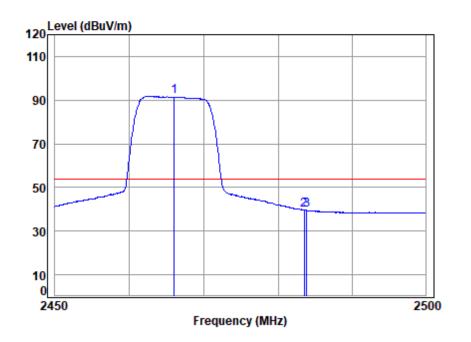
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Test Mode: 01; Polarity: Vertical; Modulation:BPSK; Channel:High



Site :	chamber
Condition:	3m VERTICAL
Job No :	21416AT

Mode	: 240	66 Ban	d edge						
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
-									
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1.	2466.000	4.46	29.02	40.46	98.76	91.78	54.00	37.78	Average
2	2483.500	4.49	29.07	40.47	46.51	39.60	54.00	-14.40	Average
3	2483.840	4.49	29.07	40.47	46.38	39.47	54.00	-14.53	Average



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7.3 Radiated Spurious Emissions Below 1GHz

Test Requirement	47 CFR Part 15, Subpart C 15.205 & 15.209
Test Method:	ANSI C63.10 (2013) Section 6.4,6.5
Measurement Distance:	3m

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
960-1000	500	3

7.3.1 E.U.T. Operation

Operating Environment: Temperature: 25.9 °C

Humidity: 57.4 % RH

Atmospheric Pressure: 1010 mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode(Antenna 1)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	01	TX mode(Antenna 2)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.



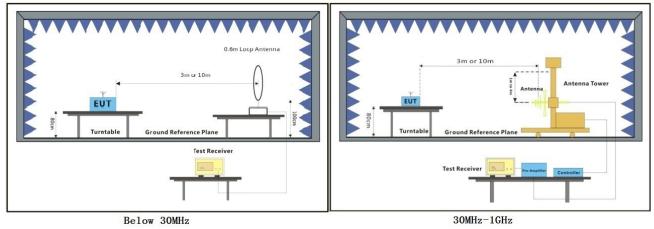
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7.3.3 Test Setup Diagram



7.3.4 Measurement Procedure and Data

a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using quasi-peak method as specified and then reported in a data sheet.

g. Test the EUT in the lowest channel, the middle channel, the Highest channel.

h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.

i. Repeat above procedures until all frequencies measured was complete.

Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

2. Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

3. The disturbance below 1GHz was very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.



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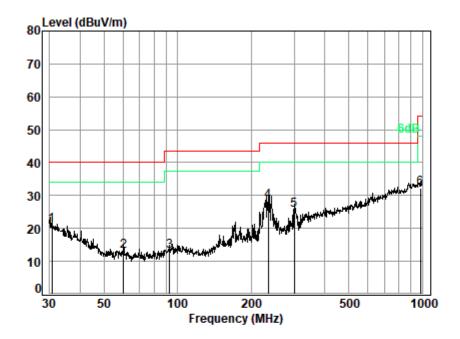


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Test Mode: 00; Polarity: Horizontal



Site :	chamber					
Condition:	3m HORIZONTAL					
Job No. :	21416AT					
Test Mode:	00					

		Ant	Cable	Preamp	Read		Limit	0ver	
	Freq	Factor	Loss	Factor	Level	Level	Line	Limit	Remark
_									
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	30.64	22.51	0.61	27.73	25.59	20.98	40.00	-19.02	QP
2	60.28	12.83	0.80	27.66	27.26	13.23	40.00	-26.77	QP
3	92.79	13.50	1.24	27.62	25.85	12.97	43.50	-30.53	QP
4 q	234.99	17.55	1.52	27.03	36.11	28.15	46.00	-17.85	QP
5	299.32	19.05	2.00	26.87	31.34	25.52	46.00	-20.48	QP
6	982.62	29.54	3.58	26.74	25.94	32.32	54.00	-21.68	QP
									-



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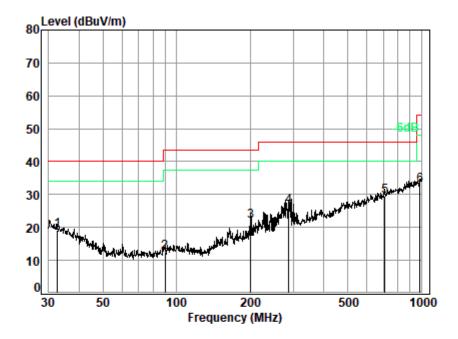
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Test Mode: 00; Polarity: Vertical



Site :	chamber
Condition:	3m VERTICAL
Job No. :	21416AT
Test Mode:	00

		Ant	Cable	Preamp	Read		Limit	0ver	
	Freq	Factor	Loss	Factor	Level	Level	Line	Limit	Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	32.52	21.34	0.63	27.73	24.87	19.11	40.00	-20.89	QP
2	89.59	13.06	1.30	27.62	25.85	12.59	43.50	-30.91	QP
3	200.69	15.84	1.21	27.14	31.98	21.89	43.50	-21.61	QP
4	286.98	18.33	1.91	26.90	33.05	26.39	46.00	-19.61	QP
5 q	709.18	27.29	2.94	27.90	27.29	29.62	46.00	-16.38	QP
6	989.54	29.64	3.59	26.71	26.26	32.78	54.00	-21.22	QP



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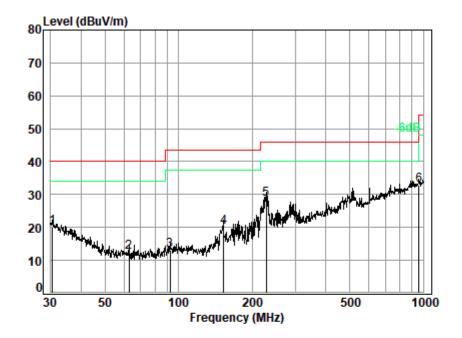
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Test Mode: 01; Polarity: Horizontal



Site :	chamber					
Condition:	3m HORIZONTAL					
Job No. :	21416AT					
Test Mode:	01					

		Ant	Cable	Preamp	Read		Limit	0ver	
	Freq	Factor	Loss	Factor	Level	Level	Line	Limit	Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
		-				-	-		
1	30.53	22.59	0.61	27.73	24.69	20.16	40.00	-19.84	QP
2	62.65	12.90	0.80	27.66	26.58	12.62	40.00	-27.38	QP
3	92.14	13.50	1.26	27.62	25.97	13.11	43.50	-30.39	QP
4	152.66	14.89	1.16	27.33	31.36	20.08	43.50	-23.42	QP
5 q	228.49	17.23	1.46	27.05	37.05	28.69	46.00	-17.31	QP
6	962.16	29.50	3.56	26.84	26.55	32.77	54.00	-21.23	QP
									-



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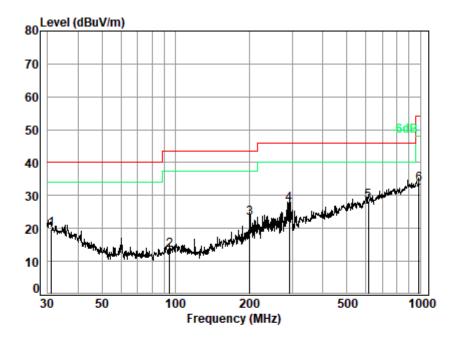
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Test Mode: 01; Polarity: Vertical



Site :	chamber
Condition:	3m VERTICAL
Job No. :	21416AT
Test Mode:	01

		Ant	Cable	Preamp	Read		Limit	0ver	
	Freq	Factor	Loss	Factor	Level	Level	Line	Limit	Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
			_						
1	31.07	22.19	0.61	27.73	24.80	19.87	40.00	-20.13	QP
2	94.43	13.56	1.21	27.62	26.17	13.32	43.50	-30.18	QP
3	200.69	15.84	1.21	27.14	33.16	23.07	43.50	-20.43	QP
4	291.04	18.38	1.94	26.89	34.09	27.52	46.00	-18.48	QP
5 q	614.21	26.47	2.73	28.10	27.32	28.42	46.00	-17.58	QP
6	986.07	29.59	3.59	26.73	26.93	33.38	54.00	-20.62	QP



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7.4 Radiated Spurious Emissions Above 1GHz

Test Requirement	47 CFR Part 15, Subpart C 15.205 & 15.209
Test Method:	ANSI C63.10 (2013) Section 6.6
Measurement Distance:	3m

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)		
Above 1000	500	3		

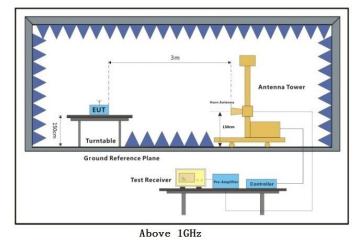
7.4.1 E.U.T. Operation

Operating Environment:							
Temperature:	21.3 °C	Humidity:	51.6 % RH	Atmospheric Pressure:	1010	mbar	

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode(Antenna 1)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	01	TX mode(Antenna 2)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.

7.4.3 Test Setup Diagram







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7.4.4 Measurement Procedure and Data

a. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak or average method as specified and then reported in a data sheet.

g. Test the EUT in the lowest channel, the middle channel, the Highest channel.

h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.

i. Repeat above procedures until all frequencies measured was complete.

Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

2. Scan from 1GHz to 25GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

3. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. 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. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.



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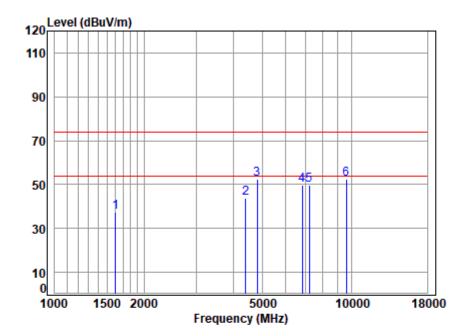
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Test Mode: 00; Polarity: Horizontal; Modulation:BPSK; Channel:Low



Site :	chamber					
Condition:	3m HORIZONTAL					
Job No :	21416AT					
Mode :	2406 TX SE					
Note :						
	Cable Ant					

	-								
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1606.441	3.35	26.25	40.01	47.68	37.27	74.00	-36.73	peak
2	4405.090	6.67	32.93	41.79	46.04	43.85	74.00	-30.15	peak
3	4812.000	7.10	33.64	42.15	53.78	52.37	74.00	-21.63	peak
4	6835.278	8.46	35.21	41.81	47.81	49.67	74.00	-24.33	peak
5	7218.000	8.75	35.68	41.49	46.72	49.66	74.00	-24.34	peak
6	9624.000	10.80	37.35	37.74	41.95	52.36	74.00	-21.64	peak



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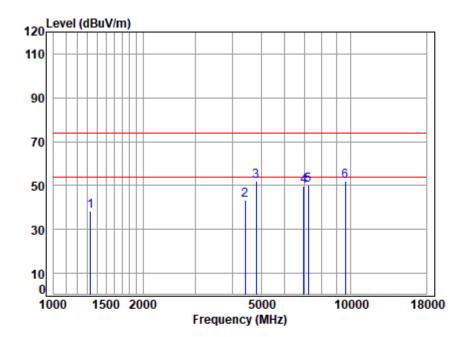
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Test Mode: 00; Polarity: Vertical; Modulation:BPSK; Channel:Low



Site :	chamber
Condition:	3m VERTICAL
Job No :	21416AT
Mode :	2406 TX SE
Note :	
	Cable A

	-								
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1331.288	3.00	25.38	39.85	49.70	38.23	74.00	-35.77	peak
2	4417.841	6.68	32.94	41.80	45.30	43.12	74.00	-30.88	peak
3	4812.000	7.10	33.64	42.15	53.41	52.00	74.00	-22.00	peak
4	6954.852	8.52	35.42	41.73	47.35	49.56	74.00	-24.44	peak
5	7218.000	8.75	35.68	41.49	47.47	50.41	74.00	-23.59	peak
6	9624.000	10.80	37.35	37.74	41.42	51.83	74.00	-22.17	peak



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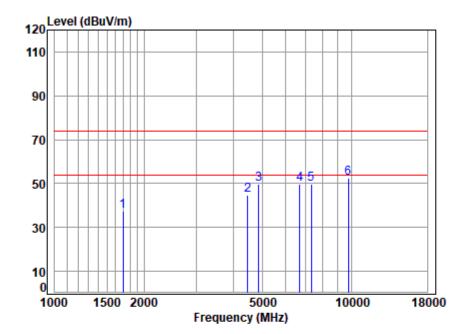
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Test Mode: 00; Polarity: Horizontal; Modulation:BPSK; Channel:middle



Site :	chamber					
Condition:	3m HORIZONTAL					
Job No :	21416AT					
Mode :	2436 TX SE					
Note :						
	Cable Ant					

	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1702.042	3.43	26.71	40.06	47.30	37.38	74.00	-36.62	peak
2	4469.214	6.73	32.98	41.85	46.94	44.80	74.00	-29.20	peak
3	4872.000	7.17	33.75	42.20	50.97	49.69	74.00	-24.31	peak
4	6698.373	8.39	34.97	41.90	48.15	49.61	74.00	-24.39	peak
5	7308.000	8.83	35.75	41.41	46.62	49.79	74.00	-24.21	peak
6	9744.000	10.77	37.40	37.53	41.83	52.47	74.00	-21.53	peak



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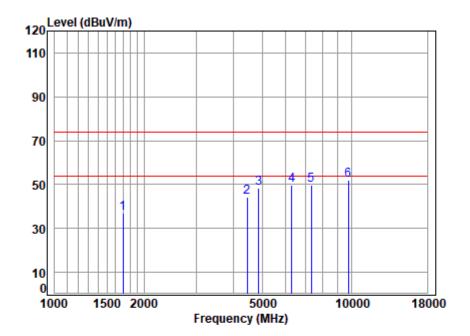
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Test Mode: 00; Polarity: Vertical; Modulation:BPSK; Channel:middle



Site :	chamber					
Condition:	3m VERTICAL					
Job No :	21416AT					
Mode :	2436 TX SE					
Note :						
	Cable A					

		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1697.129	3.43	26.69	40.06	47.04	37.10	74.00	-36.90	peak
2	4456.315	6.72	32.97	41.84	46.58	44.43	74.00	-29.57	peak
3	4872.000	7.17	33.75	42.20	49.64	48.36	74.00	-25.64	peak
4	6303.890	8.27	34.60	42.18	48.87	49.56	74.00	-24.44	peak
5	7308.000	8.83	35.75	41.41	46.77	49.94	74.00	-24.06	peak
6	9744.000	10.77	37.40	37.53	41.40	52.04	74.00	-21.96	peak



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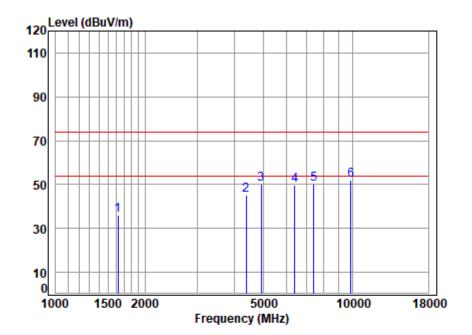
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Report No.: SZCR210602141601

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Test Mode: 00; Polarity: Horizontal; Modulation:BPSK; Channel:High



Site :	chamber						
Condition:	3m HORIZONTAL						
Job No :	21416AT						
Mode :	2466 TX SE						
Note :							
	Cable Ant						

	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1625.121	3.37	26.34	40.02	46.46	36.15	74.00	-37.85	peak
2	4392.376	6.66	32.92	41.78	47.21	45.01	74.00	-28.99	peak
3	4932.000	7.23	33.87	42.24	51.26	50.12	74.00	-23.88	peak
4	6395.654	8.28	34.60	42.11	48.84	49.61	74.00	-24.39	peak
5	7398.000	8.92	35.82	41.33	46.74	50.15	74.00	-23.85	peak
6	9864.000	10.73	37.45	37.33	41.11	51.96	74.00	-22.04	peak



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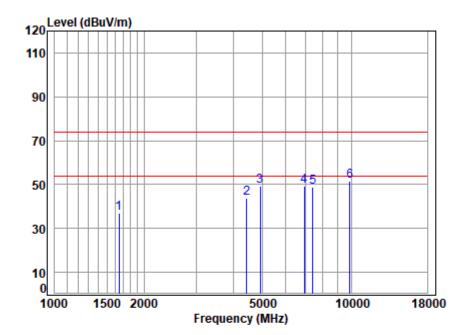
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Report No.: SZCR210602141601

Page: 44 of 55

Test Mode: 00; Polarity: Vertical; Modulation:BPSK; Channel:High



Site :	chamber
Condition:	3m VERTICAL
Job No :	21416AT
Mode :	2466 TX SE
Note :	
	Cable A

		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1648.778	3.39	26.46	40.03	46.91	36.73	74.00	-37.27	peak
2	4443.453	6.71	32.96	41.82	46.14	43.99	74.00	-30.01	peak
3	4932.000	7.23	33.87	42.24	50.60	49.46	74.00	-24.54	peak
4	6934.778	8.51	35.39	41.74	47.22	49.38	74.00	-24.62	peak
5	7398.000	8.92	35.82	41.33	45.63	49.04	74.00	-24.96	peak
6	9864.000	10.73	37.45	37.33	40.72	51.57	74.00	-22.43	peak
									-



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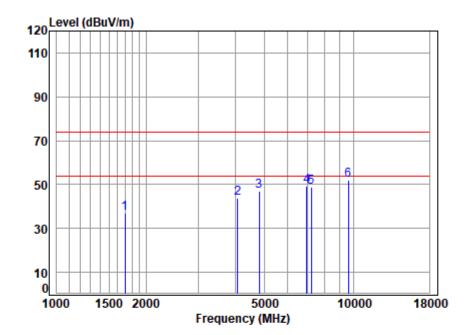
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Report No.: SZCR210602141601

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Test Mode: 01; Polarity: Horizontal; Modulation:BPSK; Channel:Low



Site :	chamber								
Condition:	3m HORIZONTAL								
Job No :	21416AT								
Mode :	2406 TX SE								
Note :									
	Cable Ant								

	-								
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
		_							_
1	1702.042	3.43	26.71	40.06	46.95	37.03	74.00	-36.97	peak
2	4074.388	6.36	32.66	41.47	46.03	43.58	74.00	-30.42	peak
3	4812.000	7.10	33.64	42.15	48.33	46.92	74.00	-27.08	peak
4	6954.852	8.52	35.42	41.73	47.13	49.34	74.00	-24.66	peak
5	7218.000	8.75	35.68	41.49	45.90	48.84	74.00	-25.16	peak
6	9624.000	10.80	37.35	37.74	41.60	52.01	74.00	-21.99	peak



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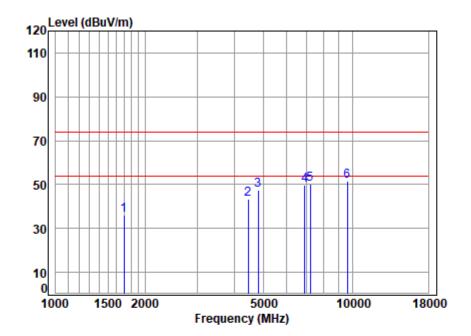
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Report No.: SZCR210602141601

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Test Mode: 01; Polarity: Vertical; Modulation:BPSK; Channel:Low



Site :	chamber
Condition:	3m VERTICAL
Job No :	21416AT
Mode :	2406 TX SE
Note :	
	Coblo A

		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1702.042	3.43	26.71	40.06	46.09	36.17	74.00	-37.83	peak
2	4456.315	6.72	32.97	41.84	45.33	43.18	74.00	-30.82	peak
3	4812.000	7.10	33.64	42.15	49.04	47.63	74.00	-26.37	peak
4	6894.806	8.49	35.32	41.77	47.53	49.57	74.00	-24.43	peak
5	7218.000	8.75	35.68	41.49	47.34	50.28	74.00	-23.72	peak
6	9624.000	10.80	37.35	37.74	41.14	51.55	74.00	-22.45	peak
									-



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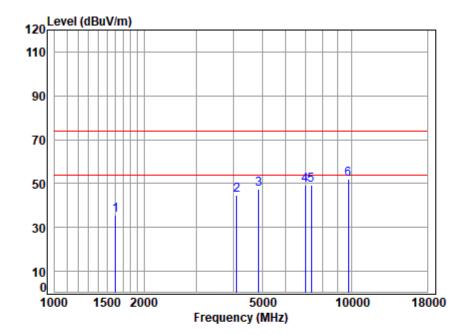
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Report No.: SZCR210602141601

Page: 47 of 55

Test Mode: 01; Polarity: Horizontal; Modulation:BPSK; Channel:middle



Site :	chamber						
Condition:	3m HORIZONTAL						
Job No :	21416AT						
Mode :	2436 TX SE						
Note :							
	Cable Ant						

	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1606.441	3.35	26.25	40.01	46.20	35.79	74.00	-38.21	peak
2	4109.872	6.39	32.69	41.51	47.13	44.70	74.00	-29.30	peak
3	4872.000	7.17	33.75	42.20	48.62	47.34	74.00	-26.66	peak
4	6995.172	8.54	35.49	41.70	46.85	49.18	74.00	-24.82	peak
5	7308.000	8.83	35.75	41.41	46.11	49.28	74.00	-24.72	peak
6	9744.000	10.77	37.40	37.53	41.29	51.93	74.00	-22.07	peak



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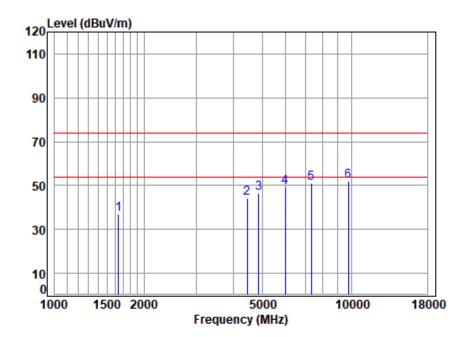
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Report No.: SZCR210602141601

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Test Mode: 01; Polarity: Vertical; Modulation:BPSK; Channel:middle



Site :	chamber						
Condition:	3m VERTICAL						
Job No :	21416AT						
Mode :	2436 TX SE						
Note :							
	Cable A						

		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1639.274	3.38	26.41	40.03	47.02	36.78	74.00	-37.22	peak
2	4456.315	6.72	32.97	41.84	46.50	44.35	74.00	-29.65	peak
3	4872.000	7.17	33.75	42.20	47.62	46.34	74.00	-27.66	peak
4	5984.305	8.26	34.59	42.40	49.02	49.47	74.00	-24.53	peak
5	7308.000	8.83	35.75	41.41	47.99	51.16	74.00	-22.84	peak
6	9744.000	10.77	37.40	37.53	41.25	51.89	74.00	-22.11	peak



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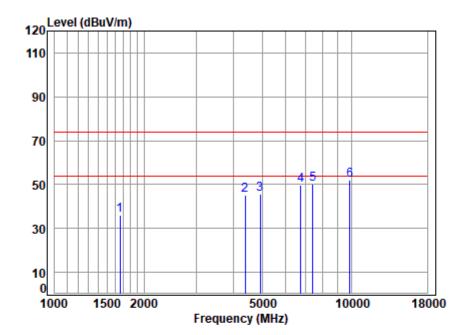
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Test Mode: 01; Polarity: Horizontal; Modulation:BPSK; Channel:High



Site :	chamber
Condition:	3m HORIZONTAL
Job No :	21416AT
Mode :	2466 TX SE
Note :	
	Cable Ant

	-								
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1658.337	3.40	26.50	40.04	46.14	36.00	74.00	-38.00	peak
2	4392.376	6.66	32.92	41.78	47.34	45.14	74.00	-28.86	peak
3	4932.000	7.23	33.87	42.24	46.92	45.78	74.00	-28.22	peak
4	6756.708	8.42	35.07	41.86	48.29	49.92	74.00	-24.08	peak
5	7398.000	8.92	35.82	41.33	46.85	50.26	74.00	-23.74	peak
6	9864.000	10.73	37.45	37.33	41.26	52.11	74.00	-21.89	peak



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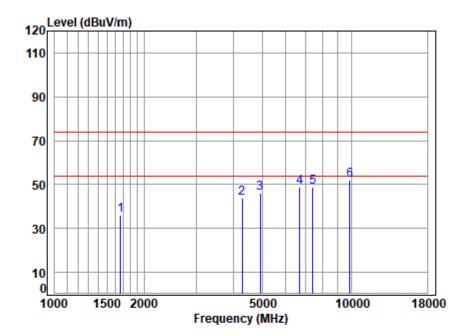
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Report No.: SZCR210602141601

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Test Mode: 01; Polarity: Vertical; Modulation:BPSK; Channel:High



Site :	chamber	
Condition:	3m VERTICAL	
Job No :	21416AT	
Mode :	2466 TX SE	
Note :		
	Cable /	١.

		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1667.951	3.40	26.55	40.04	46.29	36.20	74.00	-37.80	peak
2	4279.589	6.56	32.83	41.67	46.09	43.81	74.00	-30.19	peak
3	4932.000	7.23	33.87	42.24	47.01	45.87	74.00	-28.13	peak
4	6698.373	8.39	34.97	41.90	47.52	48.98	74.00	-25.02	peak
5	7398.000	8.92	35.82	41.33	45.49	48.90	74.00	-25.10	peak
6	9864.000	10.73	37.45	37.33	41.35	52.20	74.00	-21.80	peak



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8 **Test Setup Photo**

Refer to test setup Photos for SZCR2106021416AT

EUT Constructional Details (EUT Photos) 9

Refer to External and Internal Photos for SZCR2106021416AT



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10 Appendix

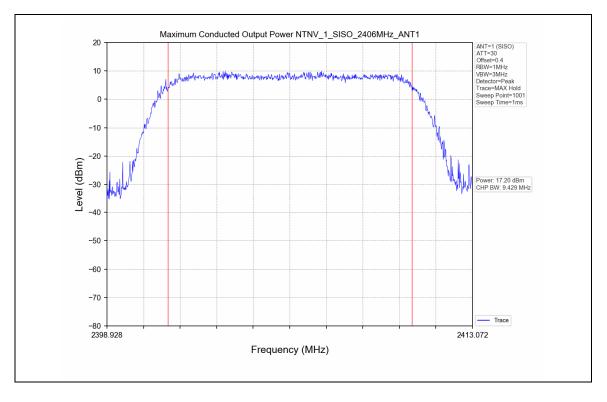
Appendix for 15.247 -- Antenna 1

1. Maximum Conducted Output Power

1.1 Test Result

Test Mode	Frequency (MHz)	Тх Туре	Tx Type Measured Peak Output Power (dBm) Ant 1		Verdict
	2406	SISO	17.20	30	PASS
Tx	2436	SISO	16.20	30	PASS
	2466	SISO	17.07	30	PASS

1.2 Test Graph

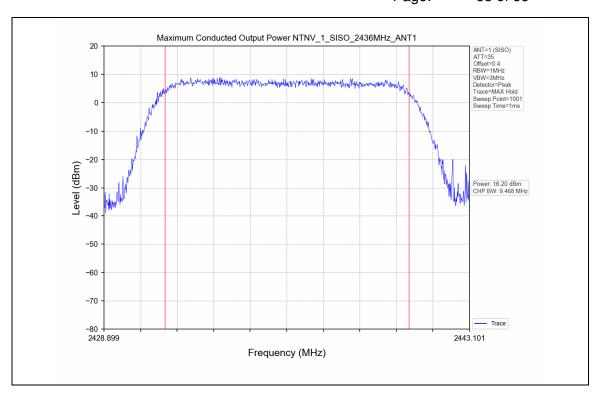


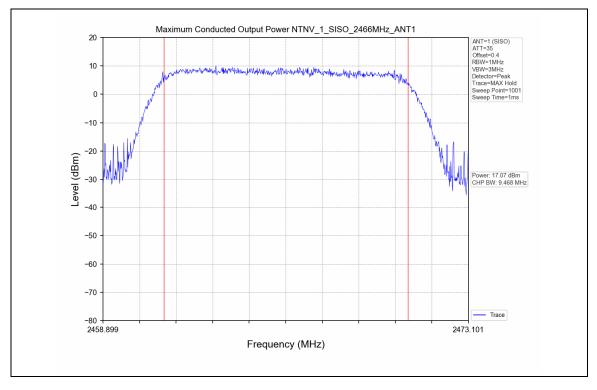




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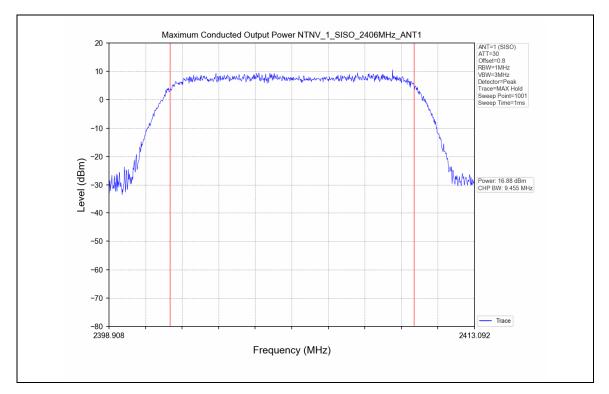
Appendix for 15.247 – Antenna 2

1. Maximum Conducted Output Power

1.1 Test Result

Te	est Mode	Frequency (MHz)	Тх Туре	Measured Peak Output Power (dBm) Ant 1	Limits (dBm)	Verdict
		2406	SISO	16.88	30	PASS
Тх	2436	SISO	16.28	30	PASS	
	2466	SISO	17.30	30	PASS	

1.2 Test Graph

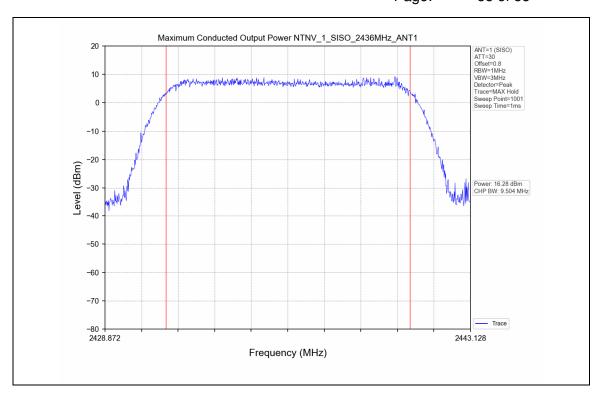


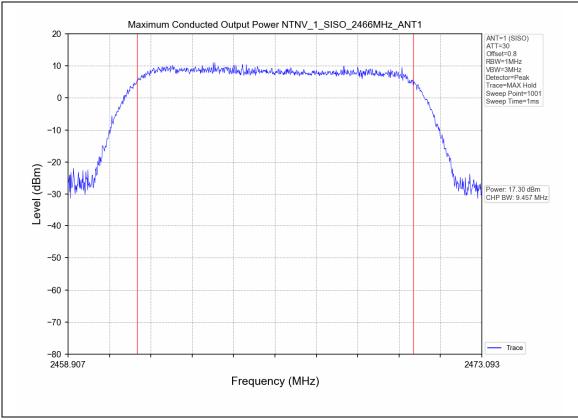




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- End of the Report -



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