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 SHCR220200039401

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TEST REPORT

Application No.:	SHCR2202000394AT		
FCC ID:	2AFF62G82IUAM		
Applicant:	Adam Hall GmbH		
Address of Applicant:	Adam-Hall-Str. 1, 61267 Neu-Anspach, Germany		
Manufacturer:	Adam Hall GmbH		
Address of Manufacturer:	Adam-Hall-Str. 1, 61267 Neu-Anspach, Germany		
Factory:	Speaker Electronic(Jiashan) Co.,Ltd		
Address of Factory:	No. 8 Development Zone Road, Huimin Sub-district, Jiashan County, Zhejiang, 314112, P.R. China		
Equipment Under Test (EUT):			
EUT Name:	Active PA Box		
Model No.:	MAUI28G2		
Trade Mark:	LD Systems		
Standard(s) :	47 CFR Part 15, Subpart C 15.247		
Date of Receipt:	2022-07-06		
Date of Test:	2022-07-06 to 2022-07-07		
Date of Issue:	2022-07-07		
Test Result:	Pass*		

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

parlan shan

Parlam Zhan Laboratory Manager



Manager Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sgs.com/en/Terms-and-Conditions.aspx</u> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to transaction from exercising all their rights and obligations under the transaction document. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@csac.com

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Revision Record			
Version	Description	Date	Remark
00	Original	2022-07-07	/

Authorized for issue by:		
	Wade zhang	
	Wade Zhang/Project Engineer	
	parlam zhan	
	Parlam Zhan/Reviewer	



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2 Test Summary

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Conducted Peak Output Power	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 7.8.5	47 CFR Part 15, Subpart C 15.247(b)(1)	Pass
Radiated Emissions which fall in the restricted bands		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

Emission Part				
Item	Standard	Method	Requirement	Result
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 6.2	47 CFR Part 15, Subpart C 15.207	Pass

Note: This EUT was based on the report SHEM161200793103 changed ampifier module, no other cha nges in power module, BT module, output power and product structure, we re-

tested the Coducted emission, RF power and Radiation emissions consider as a C2PC application.



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General Information 4

Details of E.U.T. 4.1

Power supply:	AC100-120V/200-240V
	50-60Hz, Max600W
Test Voltage:	AC 120V 60Hz
Operation Frequency:	2402MHz to 2480MHz
Modulation Type:	GFSK, pi/4DQPSK, 8DPSK
Number of Channels:	79
Channel Spacing:	1MHz
Spectrum Spread Technology:	Frequency Hopping Spread Spectrum(FHSS)
Antenna Gain:	1.54dBi
Antenna Type:	PCB Antenna

4.2 Power level setting using in test:

Channel	Level
DH5	default
2DH5	default
3DH5	default

4.3 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Laptop	Lenovo	ThinkPad L460	/
USB to SPI converter	CSR	/	/
BlueTest3	CSR	/	/



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4.4	Measurement Uncertaint	/ &	Decision Rule
		\sim	Booloion Italo

No.	Item	Measurement Uncertainty
1	Radio Frequency	8.4 x 10-8
2	Timeout	2s
3	Duty cycle	0.4%
4	Occupied Bandwidth	3%
5	RF conducted power	0.6dB
6	RF power density	2.9dB
7	Conducted Spurious emissions	0.75dB
8	DE De dista da surra	5.2dB (Below 1GHz)
0	RF Radiated power	5.9dB (Above 1GHz)
		4.2dB (Below 30MHz)
9	Dedicted On views emission test	4.5dB (30MHz-1GHz)
9	Radiated Spurious emission test	5.1dB (1GHz-6GHz)
		5.4dB (6GHz-18GHz)
10	Temperature test	1°C
11	Humidity test	3%
12	Supply voltages	1.5%
13	Time	3%

Note: The measurement uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

4.5 Test Location

All tests were performed at: SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. E&E Lab 588 West Jindu Road, Xinqiao, Songjiang, 201612 Shanghai, China Tel: +86 21 6191 5666 Fax: +86 21 6191 5678 No tests were sub-contracted. Note:

SGS is not responsible for wrong test results due to incorrect information (e.g. max. clock frequency, highest internal frequency, antenna gain, cable loss, etc.) is provided by the applicant. (if applicable).
 SGS is not responsible for the authenticity, integrity and the validity of the conclusion based on results of the data provided by applicant. (if applicable).



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4.6 Test Facility

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

• CNAS (No. CNAS L0599)

CNAS has accredited SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

• A2LA (Certificate No. 6332.01)

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. is accredited by the American Association for Laboratory Accreditation(A2LA).

• FCC (Designation Number: CN1301)

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. has been recognized as an accredited testing laboratory.

• ISED (CAB Identifier: CN0020)

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. EMC Laboratory has been recognized by Innovation, Science and Economic Development Canada (ISED) as an accredited testing laboratory. Company Number: 8617A

VCCI (Member No.: 3061)

The 3m Semi-anechoic chamber and Shielded Room of SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-13868, C-14336, T-12221, G-10830 respectively.

4.7 Deviation from Standards None

4.8 Abnormalities from Standard Conditions

None



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Equipment List 5

Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
RF Conducted Test					
Spectrum Analyzer	R&S	FSP-30	SHEM002-1	2021-12-20	2022-12-19
Spectrum Analyzer	Keysight	N9020B	SHEM241-1	2021-08-30	2022-08-29
Spectrum Analyzer	Agilent	N9020A	SHEM181-1	2021-08-13	2022-08-12
Signal Generator	R&S	SMR20	SHEM006-1	2021-08-13	2022-08-12
Signal Generator	Agilent	N5182A	SHEM182-1	2021-08-13	2022-08-12
Communication Tester	R&S	CMW270	SHEM183-1	2021-07-28	2022-07-27
Communication Tester	R&S	CMW500	SHEM183-2	2022-04-01	2023-03-31
Switcher	Tonscend	JS0806	SHEM184-1	2021-08-13	2022-08-12
Power Sensor	Keysight	U2021XA * 4	SHEM184-1	2021-08-13	2022-08-12
Splitter	Anritsu	MA1612A	SHEM185-1	/	/
Coupler	e-meca	803-S-1	SHEM186-1	/	/
High-low Temp Cabinet	Suzhou Zhihe	TL-40	SHEM087-1	2020-04-15	2023-04-14
AC Power Stabilizer	APC	KDF-31020T-V0-F0	SHEM216-1	2021-12-20	2022-12-19
DC Power Supply	MCH	MCH-303A	SHEM210-1	2021-12-20	2022-12-19
Conducted test Cable	/	RF01~RF04	/	2021-12-20	2022-12-19
Test software	Tonscend	JS Tonscend BT/WIFI System	Version: 2.6	/	/
RF Radiated Test					
EMI test Receiver	R&S	ESU40	SHEM051-1	2021-12-20	2022-12-19
Spectrum Analyzer	R&S	FSP-30	SHEM002-1	2021-12-20	2022-12-19
Communication Tester	R&S	CMW500	SHEM183-2	2022-04-01	2023-03-31
Loop Antenna (9kHz-30MHz)	Schwarzbeck	FMZB1519	SHEM135-1	2021-12-20	2022-12-19
Antenna (25MHz-2GHz)	Schwarzbeck	VULB9168	SHEM048-1	2021-09-11	2023-09-10
Antenna (25MHz-2GHz)	Schwarzbeck	VULB9168	SHEM202-1	2021-05-07	2023-05-06
Horn Antenna (1-18GHz)	Schwarzbeck	HF906	SHEM009-1	2021-06-09	2023-06-08
Horn Antenna (1-18GHz)	Schwarzbeck	BBHA9120D	SHEM050-1	2021-09-18	2023-09-17
Horn Antenna (14-40GHz)	Schwarzbeck	BBHA 9170	SHEM049-1	2021-09-18	2023-09-17
Pre-Amplifier	HP	8447D	SHEM236-1	2021-05-27	2022-05-26
Pre-Amplifier	PANSHAN	LNA 1-18G	SHEM235-1	2021-05-27	2022-05-26
High-amplifier (14-40GHz)	Schwarzbeck	10001	SHEM049-2	2021-12-20	2022-12-19
Band Filter	LORCH	9BRX-875/X150	SHEM156-1	/	/
Band Filter	LORCH	13BRX-1950/X500	SHEM083-2	/	/
Band Filter	LORCH	5BRX-2400/X200	SHEM155-1	/	/
Band Filter	LORCH	5BRX-5500/X1000	SHEM157-2	/	/
High pass Filter	Wainwright	WHK3.0/18G	SHEM157-1	/	/
High pass Filter	Wainwright	WHKS1700	SHEM157-3	/	/
Semi/Fully Anechoic	ST	11*6*6M	SHEM078-2	2020-05-25	2023-05-24
RE test Cable	/	RE01, RE02, RE06	/	2022-01-07	2023-01-06
Test software	ESE	E3	Version: 6.111221a	/	/



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6 Radio Spectrum Matter Test Results

6.1 Conducted Peak Output Power

Test Requirement47 CFR Part 15, Subpart C 15.247(b)(1)Test Method:ANSI C63.10 (2013) Section 7.8.5

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

6.1.1 E.U.T. Operation

Operating Environment:						
Temperature:	22.2 °C	Humidity:	69.1 % RH	Atmospheric Pressure: 1010	mbar	

6.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX_non-Hop mode_Keep the EUT in continuously transmitting mode with GFSK modulation, Pi/4DQPSK modulation, 8DPSK modulation. All modes have been tested and only the data of worst case is recorded in the report.



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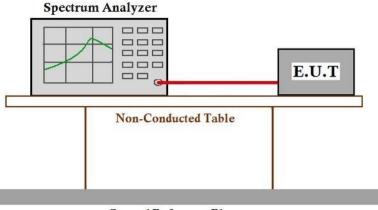
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6.1.3 Test Setup Diagram



Ground Reference Plane

6.1.4 Measurement Procedure and Data

Note: Since the verify power the same operating range bandwidth and smaller power can be covered by the higher power.

Test Mode	Test Channel	Power[dBm]	Limit[dBm]	Verdict
3DH5	2402	-0.37	30	PASS
2DH5	2402	-0.68	30	PASS
DH5	2402	-0.87	30	PASS
3DH5	2441	-0.94	30	PASS
2DH5	2441	-0.44	30	PASS
DH5	2441	-0.37	30	PASS
3DH5	2480	-0.86	30	PASS
2DH5	2480	-0.3	30	PASS
DH5	2480	-0.34	30	PASS

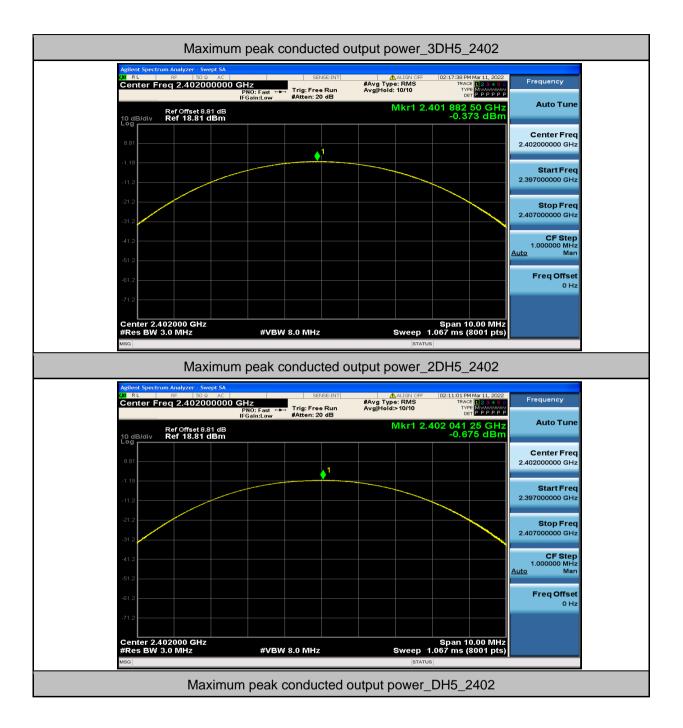


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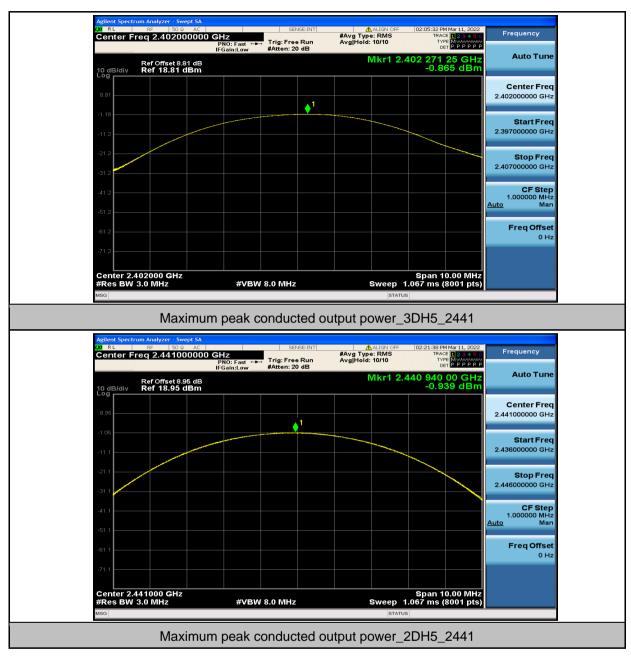
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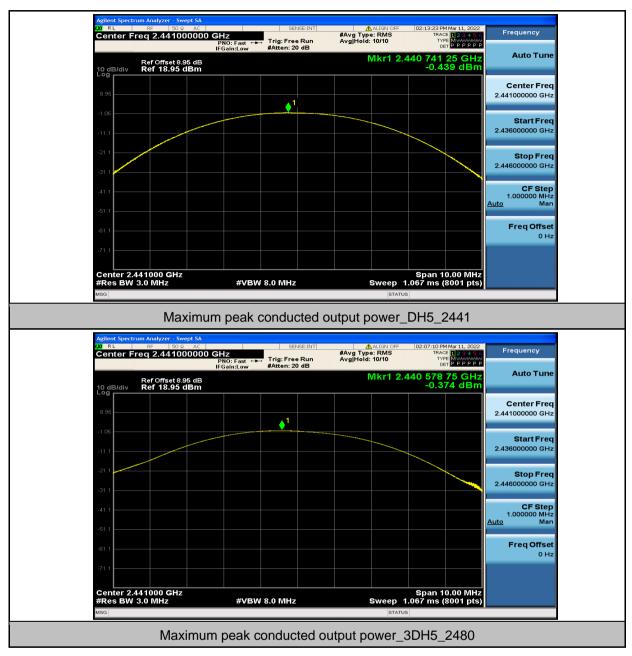
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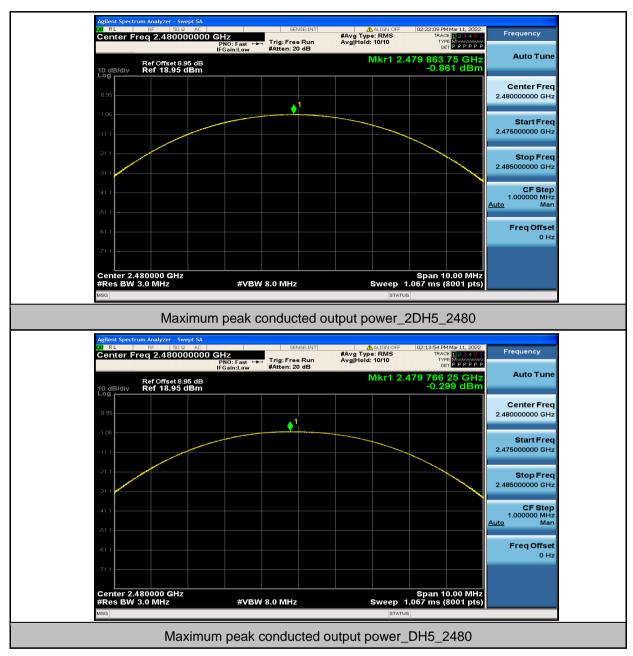






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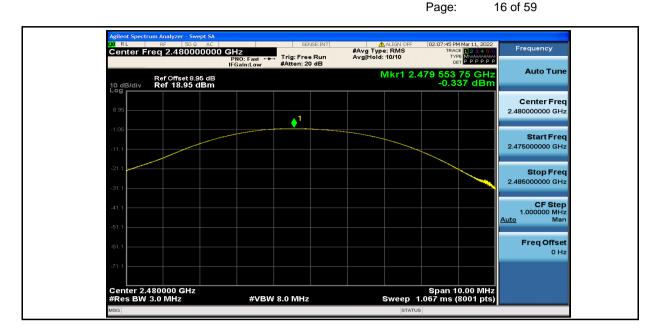
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6.2 Radiated Emissions which fall in the restricted bands

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

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.

6.2.1 E.U.T. Operation

Operating Environment:

Temperature:	22.2 °C	Humidity:	69.3 % RH	Atmospheric Pressure:	1010	mbar

6.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX_non-Hop mode_Keep the EUT in continuously transmitting mode with GFSK modulation, Pi/4DQPSK modulation, 8DPSK modulation. All modes have been tested and only the data of worst case is recorded in the report.



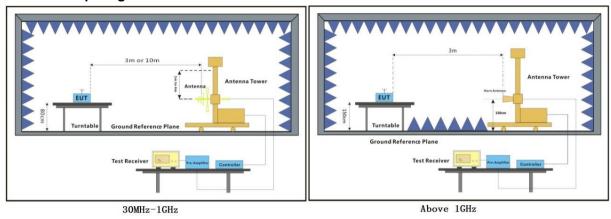
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6.2.3 Test Setup Diagram



6.2.4 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.



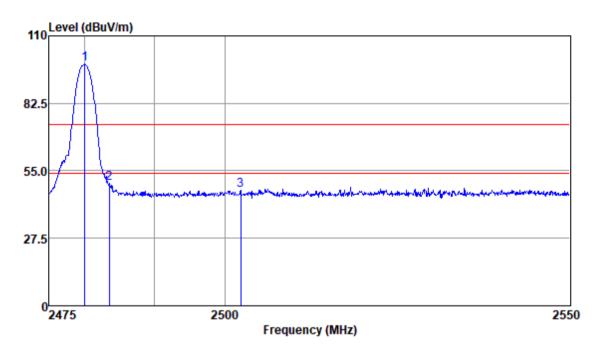
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Test Mode: 00; Polarity: Horizontal; Modulation:GFSK; Channel:Low

Antenna Polarity :HORIZONTAL

Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2480.03	101.45	29.10	3.14	35.25	98.44	74.00	24.44	Peak
2483.50	53.05	29.11	3.14	35.26	50.04	74.00	-23.96	Peak
2502.34	49.93	29.14	3.15	35.27	46.95	74.00	-27.05	Peak

Note:Emission Level=Read Level+Antenna Factor+Cable loss-Preamp Factor



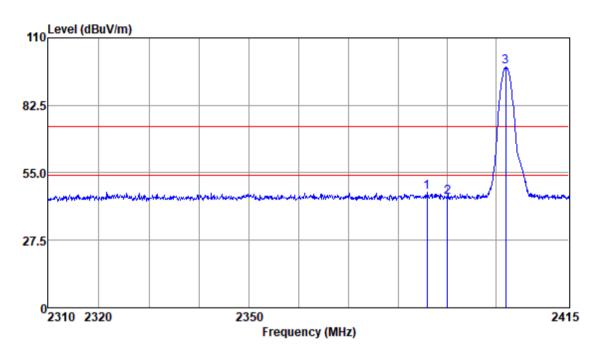
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Test Mode: 00; Polarity: Vertical; Modulation:GFSK; Channel:Low

Antenna Polarity :HORIZONTAL

Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2385.87	50.13	28.97	3.16	35.18	47.08	74.00	-26.92	Peak
2390.00	48.14	28.97	3.15	35.18	45.08	74.00	-28.92	Peak
2401.94	101.26	29.01	3.14	35.19	98.22	74.00	24.22	Peak

Note:Emission Level=Read Level+Antenna Factor+Cable loss-Preamp Factor



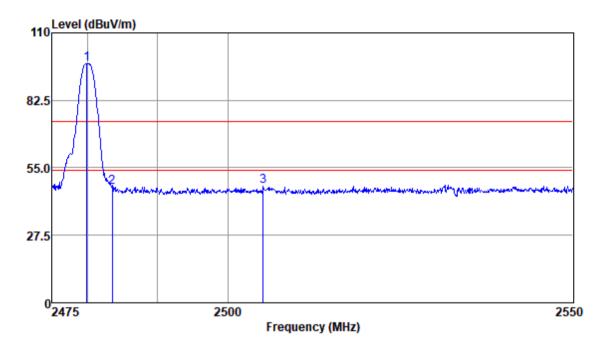
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Test Mode: 00; Polarity: Horizontal; Modulation:GFSK; Channel:High

Antenna Polarity :HORIZONTAL

Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2479.88	100.50	29.10	3.14	35.25	97.49	74.00	23.49	Peak
2483.50	50.27	29.11	3.14	35.26	47.26	74.00	-26.74	Peak
2505.11	50.24	29.21	3.15	35.28	47.32	74.00	-26.68	Peak

Note:Emission Level=Read Level+Antenna Factor+Cable loss-Preamp Factor



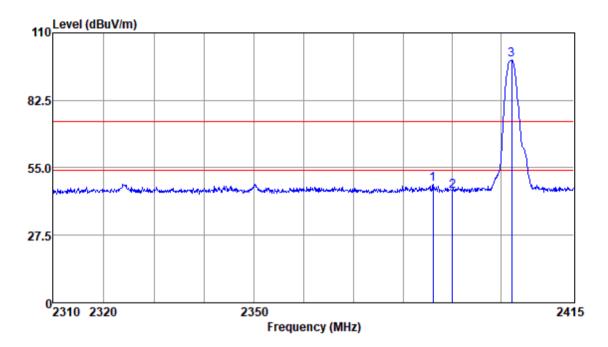
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Test Mode: 00; Polarity: Vertical; Modulation:GFSK; Channel:High

Antenna Polarity :HORIZONTAL

Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2386.08	51.42	28.97	3.16	35.18	48.37	74.00	-25.63	Peak
2390.00	48.55	28.97	3.15	35.18	45.49	74.00	-28.51	Peak
2402.15	101.90	29.01	3.14	35.19	98.86	74.00	24.86	Peak

Note:Emission Level=Read Level+Antenna Factor+Cable loss-Preamp Factor



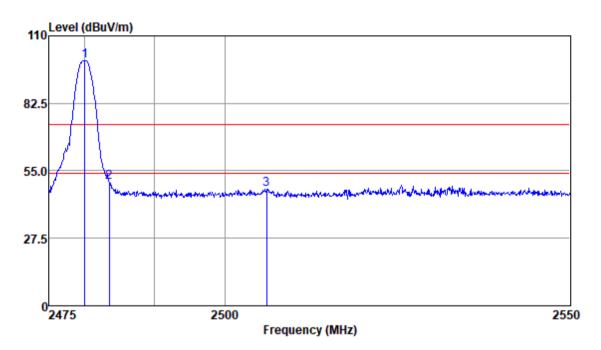
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Test Mode: 00; Polarity: Horizontal; Modulation:π/4 DQPSK; Channel:Low

Antenna Polarity :HORIZONTAL

Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2480.03	103.00	29.10	3.14	35.25	99.99	74.00	25.99	Peak
2483.50	53.46	29.11	3.14	35.26	50.45	74.00	-23.55	Peak
2506.00	50.45	29.21	3.15	35.28	47.53	74.00	-26.47	Peak

Note:Emission Level=Read Level+Antenna Factor+Cable loss-Preamp Factor



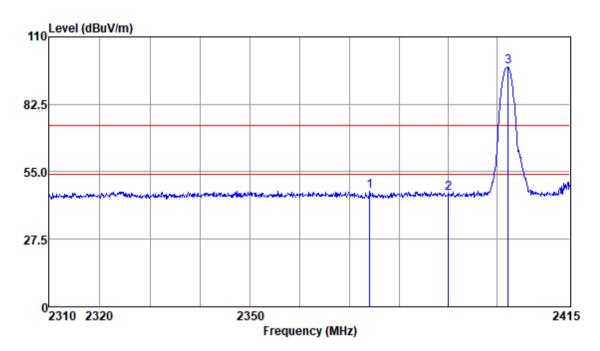
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Test Mode: 00; Polarity: Vertical; Modulation:π/4 DQPSK; Channel:Low

Antenna Polarity :HORIZONTAL

Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2374.02	50.02	28.96	3.17	35.17	46.98	74.00	-27.02	Peak
2390.00	49.28	28.97	3.15	35.18	46.22	74.00	-27.78	Peak
2402.26	100.90	29.01	3.14	35.19	97.86	74.00	23.86	Peak

Note:Emission Level=Read Level+Antenna Factor+Cable loss-Preamp Factor



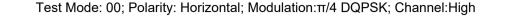
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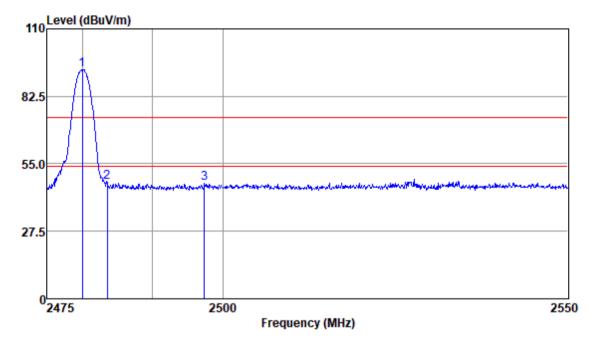
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Antenna Polarity :VERTICAL

Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2479.96	96.57	29.10	3.14	35.25	93.56	74.00	19.56	Peak
2483.50	50.53	29.11	3.14	35.26	47.52	74.00	-26.48	Peak
2497.42	49.86	29.14	3.15	35.27	46.88	74.00	-27.12	Peak

Note:Emission Level=Read Level+Antenna Factor+Cable loss-Preamp Factor



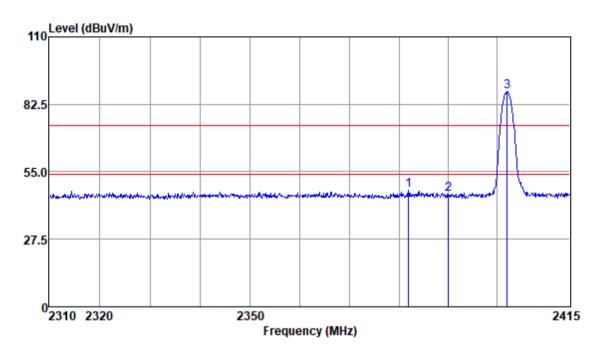
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Test Mode: 00; Polarity: Vertical; Modulation:π/4 DQPSK; Channel:High

Antenna Polarity :VERTICAL

Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2381.95	51.03	28.40	3.16	35.17	47.42	74.00	-26.58	Peak
2390.00	48.91	28.97	3.15	35.18	45.85	74.00	-28.15	Peak
2402.05	90.79	29.01	3.14	35.19	87.75	74.00	13.75	Peak

Note:Emission Level=Read Level+Antenna Factor+Cable loss-Preamp Factor



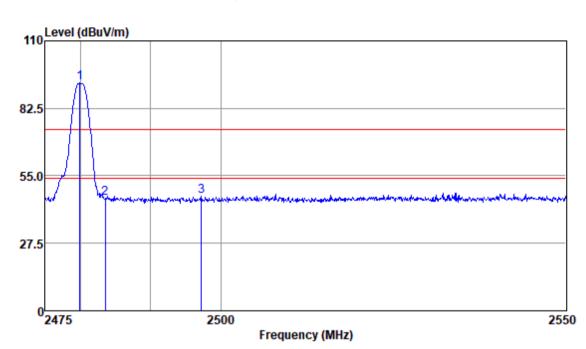
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Test Mode: 00; Polarity: Horizontal; Modulation:8DPSK; Channel:Low

Antenna Polarity :VERTICAL

Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2479.88	95.77	29.10	3.14	35.25	92.76	74.00	18.76	Peak
2483.50	48.74	29.11	3.14	35.26	45.73	74.00	-28.27	Peak
2497.27	49.71	29.14	3.15	35.27	46.73	74.00	-27.27	Peak

Note:Emission Level=Read Level+Antenna Factor+Cable loss-Preamp Factor

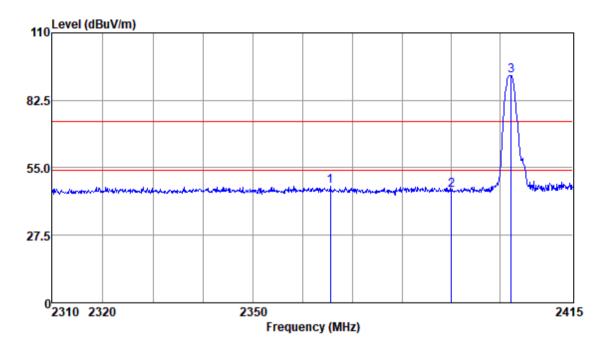


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Test Mode: 00; Polarity: Vertical; Modulation:8DPSK; Channel:Low

Antenna Polarity :VERTICAL

Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2365.49	50.61	28.94	3.15	35.16	47.54	74.00	-26.46	Peak
2390.00	49.08	28.97	3.15	35.18	46.02	74.00	-27.98	Peak
2402.26	95.77	29.01	3.14	35.19	92.73	74.00	18.73	Peak

Note:Emission Level=Read Level+Antenna Factor+Cable loss-Preamp Factor



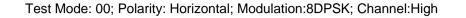
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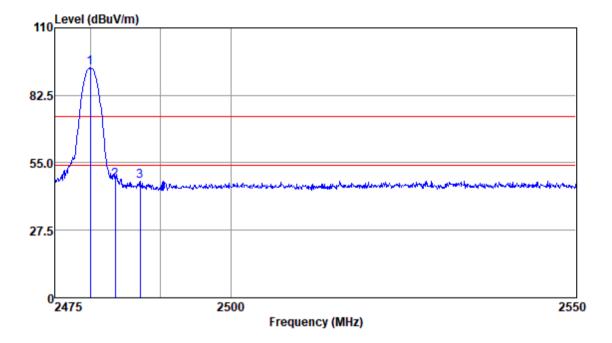
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Antenna Polarity :VERTICAL

Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2479.96	96.65	29.10	3.14	35.25	93.64	74.00	19.64	Peak
2483.50	50.73	29.11	3.14	35.26	47.72	74.00	-26.28	Peak
2487.07	50.47	29.11	3.14	35.26	47.46	74.00	-26.54	Peak

Note:Emission Level=Read Level+Antenna Factor+Cable loss-Preamp Factor



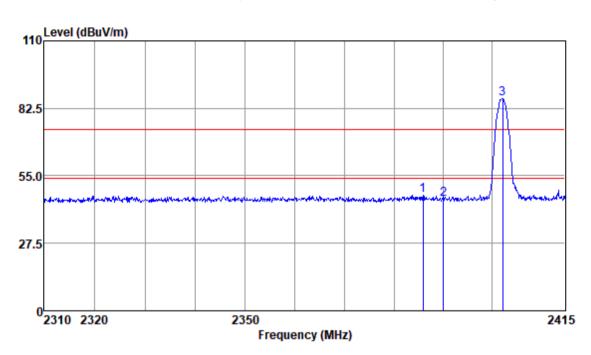
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Test Mode: 00; Polarity: Vertical; Modulation:8DPSK; Channel:High

Antenna Polarity :VERTICAL

Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
2385.87	50.16	28.97	3.16	35.18	47.11	74.00	-26.89	Peak
2390.00	48.56	28.97	3.15	35.18	45.50	74.00	-28.50	Peak
2402.15	89.67	29.01	3.14	35.19	86.63	74.00	12.63	Peak

Note:Emission Level=Read Level+Antenna Factor+Cable loss-Preamp Factor



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6.3 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
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

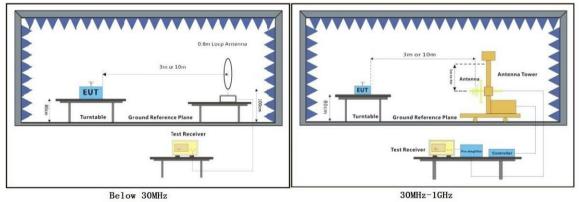
6.3.1 E.U.T. Operation

Operating Enviro	onment:			
Temperature:	22.2 °C	Humidity:	69.1 % RH	Atmospheric Pressure: 1010 mbar

6.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX_non-Hop mode_Keep the EUT in continuously transmitting mode with GFSK modulation, Pi/4DQPSK modulation, 8DPSK modulation. All modes have been tested and only the data of worst case is recorded in the report.

6.3.3 Test Setup Diagram





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6.3.4 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 or 10 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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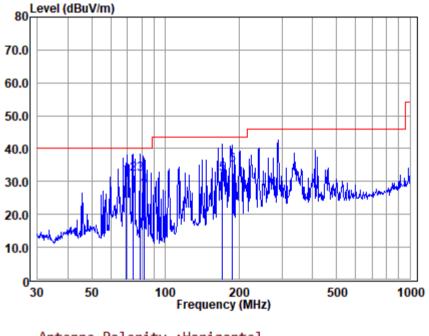
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Test Mode: 00; Polarity: Horizontal



Antenna Polarity :Horizontal EUT/Project :0394AT Test mode :00

	Freq	Read Level	Antenna Factor			o Emissio r Level			Remark
	MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	n dB	
1	69.42	44.01	11.58	2.09	26.10	31.58	40.00	-8.42	QP
2	73.75	45.65	10.70	2.05	26.10	32.30	40.00	-7.70	QP
3	78.79	46.87	9.25	2.16	26.10	32.18	40.00	-7.82	QP
4	82.14	44.21	8.39	2.12	26.10	28.62	40.00	-11.38	QP
5	170.58	42.36	12.65	3.23	25.92	32.32	43.50	-11.18	QP
6	186.92	46.84	10.78	3.31	25.85	35.08	43.50	-8.42	QP
Note	e: Emis	sion Lev	/el=Read	Level	+Antenna	a Factor	+Cable l	.oss-Prea	mp Factor



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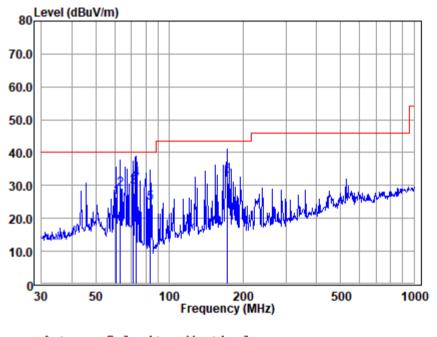
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Test Mode: 00; Polarity: Vertical



Antenna Polarity :Vertical EUT/Project :0394AT Test mode :00

	Freq		Antenna Factor					t Over Limit	Remark
	MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/n	n dB	
1	60.49	37.63	13.11	1.91	26.10	26.55	40.00	-13.45	QP
2	63.00	40.06	12.90	1.95	26.10	28.81	40.00	-11.19	QP
3	70.81	42.26	11.34	2.06	26.10	29.56	40.00	-10.44	QP
4	73.01	44.97	10.89	2.05	26.10	31.81	40.00	-8.19	QP
5	83.32	40.41	8.19	2.11	26.10	24.61	40.00	-15.39	QP
6	172.33	43.16	12.46	3.23	25.91	32.94	43.50	-10.56	QP
Note	e: Emis	sion Le	vel=Read	Level	+Antenna	a Factor	+Cable 1	loss-Prea	mp Factor



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6.4 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

Limit:

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

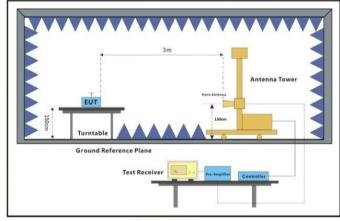
6.4.1 E.U.T. Operation

Operating Enviror	nment:					
Temperature:	22.2 °C	Humidity:	68.8 % RH	Atmospheric Pressure:	1010	mbar

6.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX_non-Hop mode_Keep the EUT in continuously transmitting mode with GFSK modulation, Pi/4DQPSK modulation, 8DPSK modulation. All modes have been tested and only the data of worst case is recorded in the report.

6.4.3 Test Setup Diagram



Above 1GHz



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6.4.4 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.



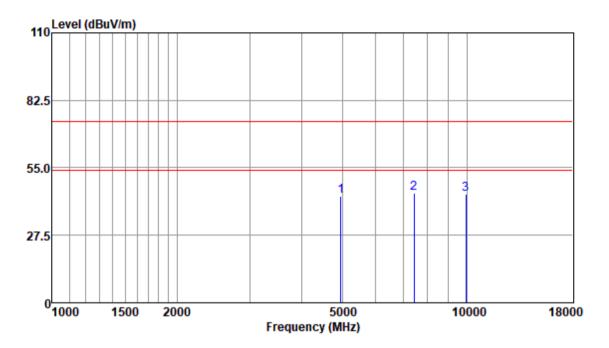
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Test Mode: 00; Polarity: Horizontal; Modulation:GFSK; Channel:Low

Antenna Polarity :HORIZONTAL

Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
4960.00	45.79	31.29	5.04	38.87	43.25	74.00	-30.75	Peak
7440.00	42.06	33.62	6.09	37.03	44.74	74.00	-29.26	Peak
9920.00	36.80	35.03	6.53	34.11	44.25	74.00	-29.75	Peak

Note:Emission Level=Read Level+Antenna Factor+Cable loss-Preamp Factor



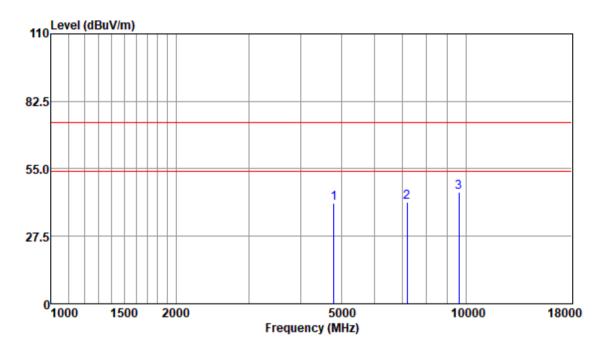
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Test Mode: 00; Polarity: Vertical; Modulation:GFSK; Channel:Low

Antenna Polarity :HORIZONTAL

Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
4804.00	43.55	30.87	5.09	38.71	40.80	74.00	-33.20	Peak
7206.00	39.59	33.35	5.75	37.18	41.51	74.00	-32.49	Peak
9608.00	37.83	35.16	6.78	34.18	45.59	74.00	-28.41	Peak

Note:Emission Level=Read Level+Antenna Factor+Cable loss-Preamp Factor

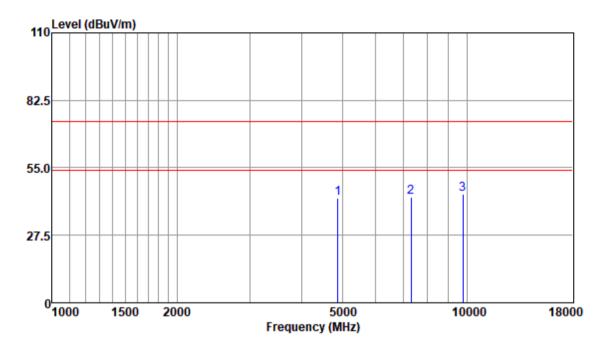


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Test Mode: 00; Polarity: Horizontal; Modulation:GFSK; Channel:middle

Antenna Polarity :HORIZONTAL

Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
4882.00	45.98	31.10	4.48	38.78	42.78	74.00	-31.22	Peak
7323.00	40.74	33.50	5.98	37.10	43.12	74.00	-30.88	Peak
9764.00	36.88	35.10	6.48	34.14	44.32	74.00	-29.68	Peak

Note:Emission Level=Read Level+Antenna Factor+Cable loss-Preamp Factor



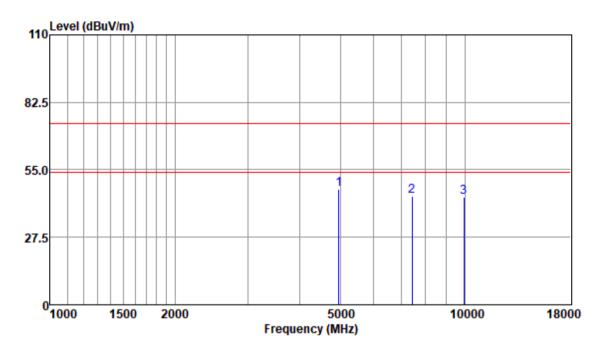
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Test Mode: 00; Polarity: Vertical; Modulation:GFSK; Channel:middle

Antenna Polarity :HORIZONTAL

Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
4960.00	49.57	31.29	5.04	38.87	47.03	74.00	-26.97	Peak
7440.00	41.50	33.62	6.09	37.03	44.18	74.00	-29.82	Peak
9920.00	36.45	35.03	6.53	34.11	43.90	74.00	-30.10	Peak

Note:Emission Level=Read Level+Antenna Factor+Cable loss-Preamp Factor



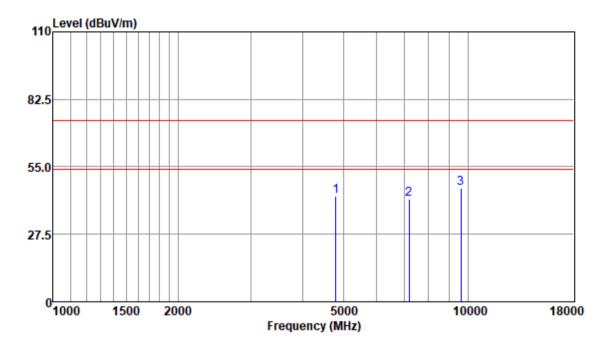
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Test Mode: 00; Polarity: Horizontal; Modulation:GFSK; Channel:High

Antenna Polarity :HORIZONTAL

Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
4804.00	45.97	30.87	5.09	38.71	43.22	74.00	-30.78	Peak
7206.00	39.87	33.35	5.75	37.18	41.79	74.00	-32.21	Peak
9608.00	38.53	35.16	6.78	34.18	46.29	74.00	-27.71	Peak

Note:Emission Level=Read Level+Antenna Factor+Cable loss-Preamp Factor



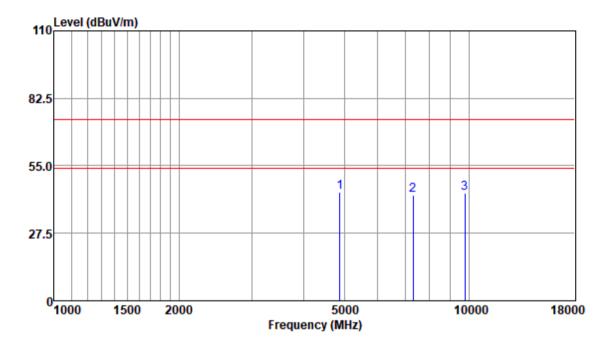
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Test Mode: 00; Polarity: Vertical; Modulation:GFSK; Channel:High

Antenna Polarity :HORIZONTAL

Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
4882.00	47.38	31.10	4.48	38.78	44.18	74.00	-29.82	Peak
7323.00	40.49	33.50	5.98	37.10	42.87	74.00	-31.13	Peak
9764.00	36.54	35.10	6.48	34.14	43.98	74.00	-30.02	Peak

Note:Emission Level=Read Level+Antenna Factor+Cable loss-Preamp Factor



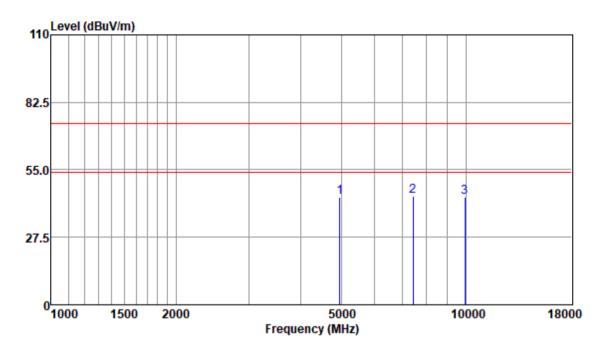
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Test Mode: 00; Polarity: Horizontal; Modulation:π/4 DQPSK; Channel:Low

Antenna Polarity :HORIZONTAL

Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
4960.00	46.34	31.29	5.04	38.87	43.80	74.00	-30.20	Peak
7440.00	41.52	33.62	6.09	37.03	44.20	74.00	-29.80	Peak
9920.00	36.24	35.03	6.53	34.11	43.69	74.00	-30.31	Peak

Note:Emission Level=Read Level+Antenna Factor+Cable loss-Preamp Factor



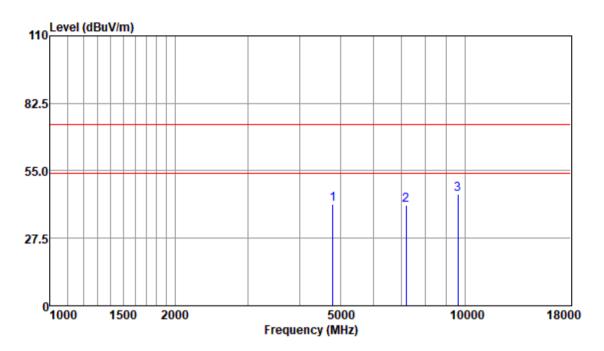
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Test Mode: 00; Polarity: Vertical; Modulation:π/4 DQPSK; Channel:Low

Antenna Polarity :HORIZONTAL

Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
4804.00	44.19	30.87	5.09	38.71	41.44	74.00	-32.56	Peak
7206.00	39.23	33.35	5.75	37.18	41.15	74.00	-32.85	Peak
9608.00	37.67	35.16	6.78	34.18	45.43	74.00	-28.57	Peak

Note:Emission Level=Read Level+Antenna Factor+Cable loss-Preamp Factor



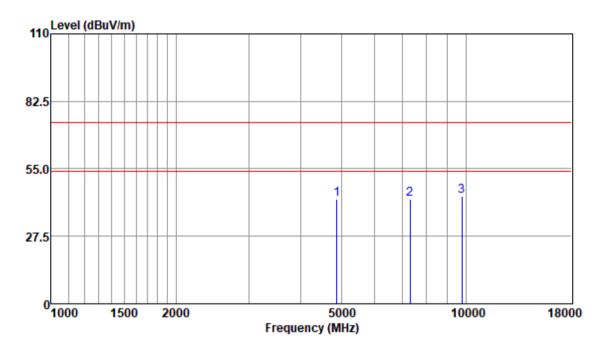
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Test Mode: 00; Polarity: Horizontal; Modulation:π/4 DQPSK; Channel:middle

Antenna Polarity :HORIZONTAL

Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
4882.00	45.68	31.10	4.48	38.78	42.48	74.00	-31.52	Peak
7323.00	40.16	33.50	5.98	37.10	42.54	74.00	-31.46	Peak
9764.00	36.32	35.10	6.48	34.14	43.76	74.00	-30.24	Peak

Note:Emission Level=Read Level+Antenna Factor+Cable loss-Preamp Factor



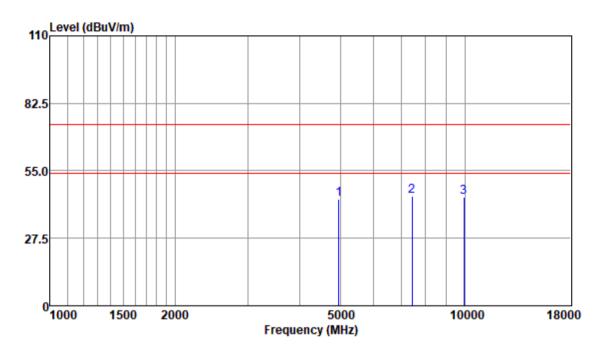
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Test Mode: 00; Polarity: Vertical; Modulation:π/4 DQPSK; Channel:middle

Antenna Polarity :VERTICAL

Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
4960.00	45.96	31.29	5.04	38.87	43.42	74.00	-30.58	Peak
7440.00	41.80	33.62	6.09	37.03	44.48	74.00	-29.52	Peak
9920.00	36.92	35.03	6.53	34.11	44.37	74.00	-29.63	Peak

Note:Emission Level=Read Level+Antenna Factor+Cable loss-Preamp Factor

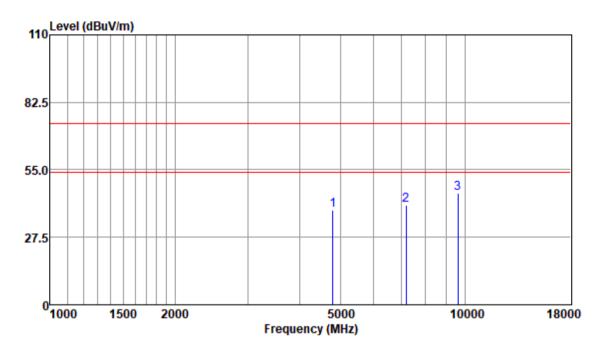


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Test Mode: 00; Polarity: Horizontal; Modulation:π/4 DQPSK; Channel:High

Antenna Polarity :VERTICAL

Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
4804.00	41.38	30.87	5.09	38.71	38.63	74.00	-35.37	Peak
7206.00	38.74	33.35	5.75	37.18	40.66	74.00	-33.34	Peak
9608.00	37.83	35.16	6.78	34.18	45.59	74.00	-28.41	Peak

Note:Emission Level=Read Level+Antenna Factor+Cable loss-Preamp Factor



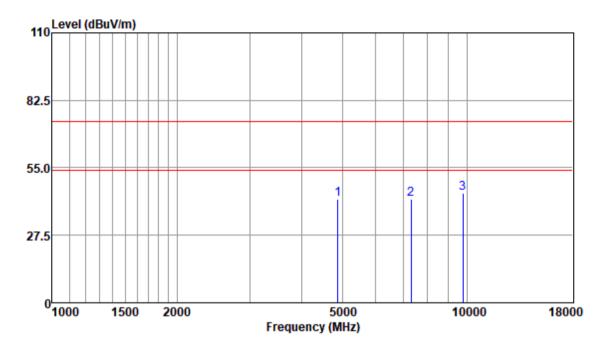
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Test Mode: 00; Polarity: Vertical; Modulation:π/4 DQPSK; Channel:High

Antenna Polarity :VERTICAL

Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
4882.00	45.42	31.10	4.48	38.78	42.22	74.00	-31.78	Peak
7323.00	39.68	33.50	5.98	37.10	42.06	74.00	-31.94	Peak
9764.00	37.04	35.10	6.48	34.14	44.48	74.00	-29.52	Peak

Note:Emission Level=Read Level+Antenna Factor+Cable loss-Preamp Factor

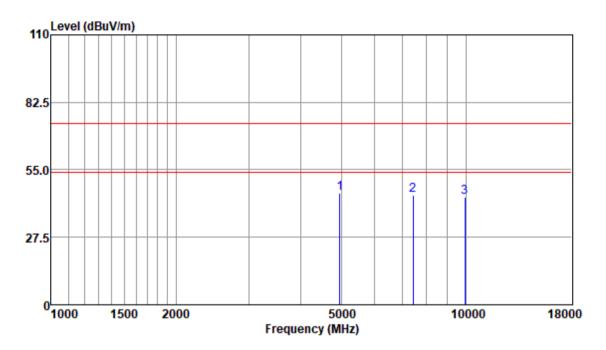


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Test Mode: 00; Polarity: Horizontal; Modulation:8DPSK; Channel:Low

Antenna Polarity :VERTICAL

Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
4960.00	47.94	31.29	5.04	38.87	45.40	74.00	-28.60	Peak
7440.00	42.16	33.62	6.09	37.03	44.84	74.00	-29.16	Peak
9920.00	36.58	35.03	6.53	34.11	44.03	74.00	-29.97	Peak

Note:Emission Level=Read Level+Antenna Factor+Cable loss-Preamp Factor



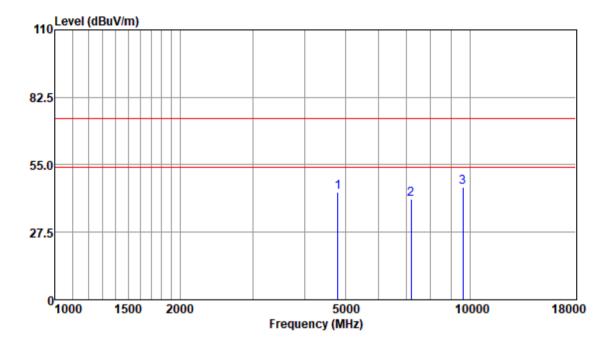
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Test Mode: 00; Polarity: Vertical; Modulation:8DPSK; Channel:Low

Antenna Polarity :VERTICAL

Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
4804.00	46.66	30.87	5.09	38.71	43.91	74.00	-30.09	Peak
7206.00	39.01	33.35	5.75	37.18	40.93	74.00	-33.07	Peak
9608.00	37.96	35.16	6.78	34.18	45.72	74.00	-28.28	Peak

Note:Emission Level=Read Level+Antenna Factor+Cable loss-Preamp Factor

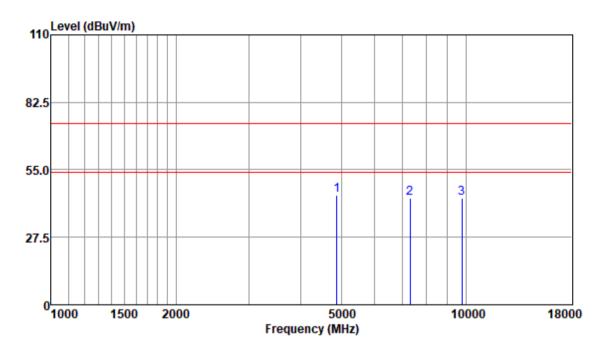


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Test Mode: 00; Polarity: Horizontal; Modulation:8DPSK; Channel:middle

Antenna Polarity :VERTICAL

Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
4882.00	47.74	31.10	4.48	38.78	44.54	74.00	-29.46	Peak
7323.00	40.88	33.50	5.98	37.10	43.26	74.00	-30.74	Peak
9764.00	35.88	35.10	6.48	34.14	43.32	74.00	-30.68	Peak

Note:Emission Level=Read Level+Antenna Factor+Cable loss-Preamp Factor

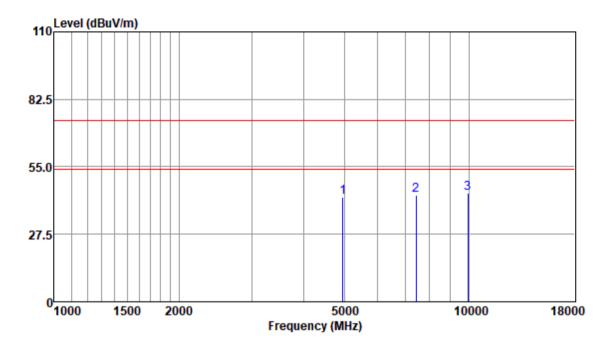


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Test Mode: 00; Polarity: Vertical; Modulation:8DPSK; Channel:middle

Antenna Polarity :VERTICAL

Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
4960.00	45.36	31.29	5.04	38.87	42.82	74.00	-31.18	Peak
7440.00	40.85	33.62	6.09	37.03	43.53	74.00	-30.47	Peak
9920.00	36.93	35.03	6.53	34.11	44.38	74.00	-29.62	Peak

Note:Emission Level=Read Level+Antenna Factor+Cable loss-Preamp Factor



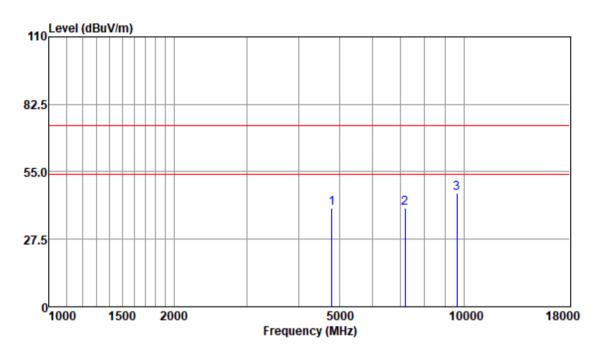
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Test Mode: 00; Polarity: Horizontal; Modulation:8DPSK; Channel:High

Antenna Polarity :VERTICAL

Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
4804.00	43.08	30.87	5.09	38.71	40.33	74.00	-33.67	Peak
7206.00	38.34	33.35	5.75	37.18	40.26	74.00	-33.74	Peak
9608.00	38.72	35.16	6.78	34.18	46.48	74.00	-27.52	Peak

Note:Emission Level=Read Level+Antenna Factor+Cable loss-Preamp Factor



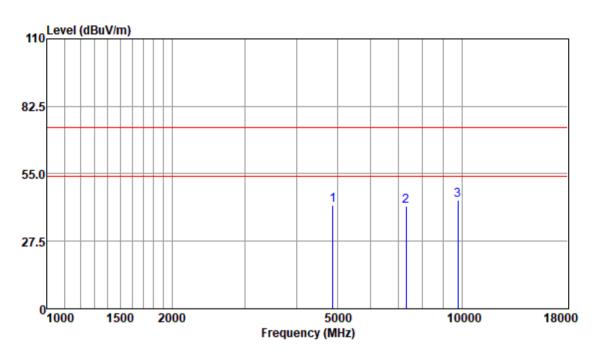
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Test Mode: 00; Polarity: Vertical; Modulation:8DPSK; Channel:High

Antenna Polarity :VERTICAL

Freq					Emission Level			Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
4882.00	45.38	31.10	4.48	38.78	42.18	74.00	-31.82	Peak
7323.00	39.50	33.50	5.98	37.10	41.88	74.00	-32.12	Peak
9764.00	36.97	35.10	6.48	34.14	44.41	74.00	-29.59	Peak

Note:Emission Level=Read Level+Antenna Factor+Cable loss-Preamp Factor



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7 Emission Test Results

7.1 Conducted Emissions at AC Power Line (150kHz-30MHz)

Test Requirement:	47 CFR Part 15, Subpart C 15.247
Test Method:	ANSI C63.10 (2013) Section 6.2

Limit:

	Conducted limit(dBµV)					
Frequency of emission(MHz)	Quasi-peak	Average				
0.15-0.5	66 to 56*	56 to 46*				
0.5-5	56	46				
5-30	60	50				
*Decreases with the logarithm of the frequency.						
Detector: Peak for pre-scan (9kHz resolution bandwidth) 0.15M to 30MHz						

7.1.1 E.U.T. Operation

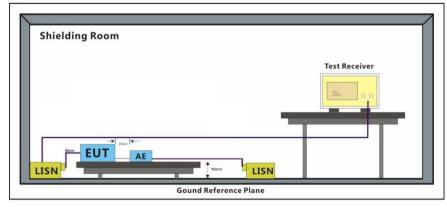
Operating Environment:	
------------------------	--

Temperature:	22.2 °C	Humidity:	68.9 % RH	Atmospheric Pressure:	1010	mbar	

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX_non-Hop mode_Keep the EUT in continuously transmitting mode with GFSK modulation, Pi/4DQPSK modulation, 8DPSK modulation. All modes have been tested and only the data of worst case is recorded in the report.

7.1.3 Test Setup Diagram





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7.1.4 Measurement Procedure and Data

1) The mains terminal disturbance voltage test was conducted in a shielded room.

2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50ohm/50 μ H + 5ohm linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.

3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane.

4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.

5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

Remark: Level=Read Level+ Cable Loss+ LISN Factor



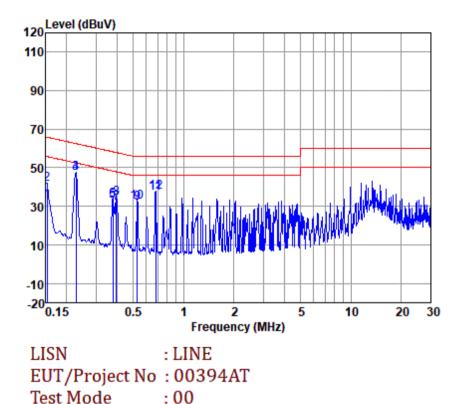
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Test Mode: 00: Line: Live line

	Freq (MHz)	Read level (dBuV)	LISN Factor (dB)	Cable Loss (dB)	Emission Level (dBuV)	Limit (dBuV)	Over Limit (dB)	Remark
1	0.15	22.60	0.10	10.01	32.71	55.87	-23.16	Average
2	0.15	31.20	0.10	10.01	41.31	65.87	-24.56	QP
3	0.23	36.80	0.10	10.04	46.94	52.57	-5.63	Average
4	0.23	36.98	0.10	10.04	47.12	62.57	-15.45	QP -
5	0.38	22.70	0.10	10.06	32.86	48.34	-15.48	Average
6	0.38	22.90	0.10	10.06	33.06	58.34	-25.28	QP
7	0.40	21.41	0.10	10.07	31.58	47.90	-16.32	Average
8	0.40	23.94	0.10	10.07	34.11	57.90	-23.79	QP
9	0.53	21.59	0.10	10.08	31.77	46.00	-14.23	Average
10	0.53	22.09	0.10	10.08	32.27	56.00	-23.73	QP
11	0.68	26.83	0.10	10.09	37.02	46.00	-8.98	Average
12	0.68	27.23	0.10	10.09	37.42	56.00	-18.58	QP
No	+ Emi	ccion Lo		and Love	1		Cable les	

Notes: Emission Level = Read Level +LISN Factor + Cable loss



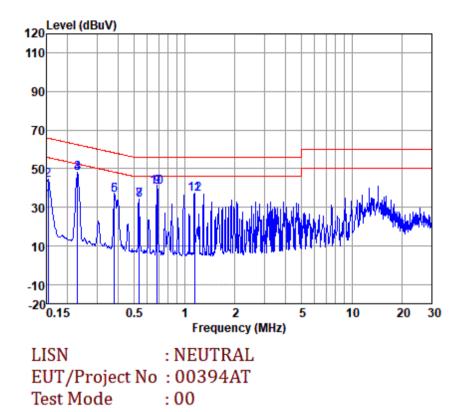
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Test Mode: 00; Line: Neutral Line

	Freq (MHz)	Read level (dBuV)	LISN Factor (dB)	Cable Loss (dB)	Emission Level (dBuV)	Limit (dBuV)	Over Limit (dB)	Remark
1	0.15	23.10	0.14	10.01	33.25	55.87	-22.62	Average
2	0.15	33.75	0.14	10.01	43.90	65.87	-21.97	QP
3	0.23	37.40	0.10	10.04	47.54	52.48	-4.94	Average
4	0.23	37.52	0.10	10.04	47.66	62.48	-14.82	QP -
5	0.38	26.10	0.10	10.06	36.26	48.25	-11.99	Average
6	0.38	26.17	0.10	10.06	36.33	58.25	-21.92	QP
7	0.53	23.42	0.10	10.08	33.60	46.00	-12.40	Average
8	0.53	23.70	0.10	10.08	33.88	56.00	-22.12	QP
9	0.69	30.23	0.10	10.09	40.42	46.00	-5.58	Average
10	0.69	30.44	0.10	10.09	40.63	56.00	-15.37	QP
11	1.15	26.82	0.10	10.12	37.04	46.00	-8.96	Average
12	1.15	26.82	0.10	10.12	37.04	56.00	-18.96	QP
Notes: Emission Level - Read Level +LISN Eactor + Cable loss								

Notes: Emission Level = Read Level +LISN Factor + Cable loss



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8 Test Setup Photo

Refer to Appendix - Test Setup Photo for SHCR2202000394AT

9 EUT Constructional Details (EUT Photos)

Refer to Appendix - Photographs of EUT Constructional Details for SHCR2202000394AT

-- End of the Report --



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