

TEST REPORT**Application No.:**

SZCR2305001441HS

Applicant:

Shenzhen City Yuan Rui Mdt InfoTech Ltd

Address of Applicant:

Room 201, A Bldg, NO.1 QianWan 1st Road, ShenZhen HongKong Cooperation Zone, QianHai, ShenZhen, China (Located to ShenZhen QianHai Commercial Secretary CO, Limited)

Manufacturer:

Shenzhen City Yuan Rui Mdt InfoTech Ltd

Address of Manufacturer:

Room 201, A Bldg, NO.1 QianWan 1st Road, ShenZhen HongKong Cooperation Zone, QianHai, ShenZhen, China (Located to ShenZhen QianHai Commercial Secretary CO, Limited)

Factory:

Shenzhen Cosinno Technology Co., Ltd

Address of Factory:

R301, Block C, No.13 Futang Road, TangXiaYong Community, Yanluo street, Bao'an District, ShenZhen, 518019, Guangdong, China

Equipment Under Test (EUT):**EUT Name:** FOOT LEG MASSAGER**Model No.:**

NK-FLM01, A06-LM02-WTOO, LM-02, NK-FLM02, NK-FLM03, NK-FLM04, NK-FLM05, MD-FLM01, LM-05, A06-LM05-GYUS, MD-FLM01, MD-FLM02, MD-FLM03-MD-FLM04, MD-FLM05

♣

Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical.

Trade Mark:

NEKTECK

FCC ID:

2A2NP-NKFLM01

Standard(s) :

47 CFR Part 15, Subpart C 15.247

Date of Receipt:

2023-05-15

Date of Test:

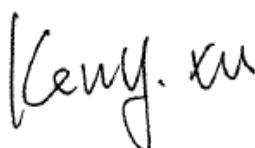
2023-05-30 to 2023-06-05

Date of Issue:

2023-06-13

Test Result:	Pass*
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* In the configuration tested, the EUT complied with the standards specified above.

Keny Xu
EMC Laboratory ManagerSGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Inspection & Testing Services

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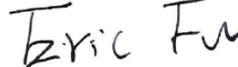
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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230500144102

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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2023-06-13		Original

Authorized for issue by:			
		Powell Bao/Project Engineer	
		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 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
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

Declaration of EUT Family Grouping:

Model No.: NK-FLM01, A06-LM02-WTOO, LM-02, NK-FLM02, NK-FLM03, NK-FLM04, NK-FLM05, MD-FLM01, LM-05, A06-LM05-GYUS, MD-FLM01, MD-FLM02, MD-FLM03-MD-FLM04, MD-FLM05

Only the model NK-FLM01 was tested, since according to the declaration from the applicant, the electrical circuit design, layout, components used, internal wiring and functions were identical for the above models, with only difference on key board and upper cover shell or color.

This report is prepared for FCC class II permissive change.

The modular approval by TCB, FCC ID: 2A2NP-NKFLM01, Granted on 06/13/2023.

The module installed into host platform mentioned above is electronically and mechanically identical to the original certified module. The Original FCC testing on module under FCC ID: 2AC7Z-ESPC3MINII was performed with an antenna of higher gain, and the antenna was connected to the module in an open environment. The current host platform under application is used a new antenna of different gain than the original certified module, and it is installed inside the host platform enclosure.

Therefore in this report Conducted Emissions at AC Power Line (150kHz-30MHz), Radiated Emissions which fall in the restricted bands and Radiated Spurious Emissions were fully retested on model NK-FLM01 and shown the data in this report.



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4 General Information

4.1 Details of E.U.T.

Power supply:	AC100-240V, 50/60Hz, 1.5A
Operation Frequency:	2402MHz to 2480MHz
Bluetooth Version:	V5.0 LE
Data Rate:	1Mbps, 2Mbps
Modulation Type:	GFSK
Number of Channels:	40
Channel Spacing:	2MHz
Antenna Type:	FPC Antenna
Antenna Gain:	2.46dBi

Remark: The information in this section is provided by the applicant or manufacturer, SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

4.2 Description of Support Units

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

4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Emissions at AC Power Line (150kHz-30MHz)	± 3.1dB
Radiated Emissions which fall in the restricted bands	± 6.0dB (Below 1GHz);± 4.6dB (Above 1GHz)
Radiated Spurious Emissions Below 1GHz	± 6.0dB for 3m; ± 5.0dB for 10m
Radiated Spurious Emissions Above 1GHz	± 4.6dB (1-18GHz);± 4.8dB (18-40GHz)

Remark:

The U_{lab} (lab Uncertainty) is less than $U_{cispr/ETSI}$ (CISPR/ETSI 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, Nanshan District, Shenzhen, Guangdong, China. 518057.

Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

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: CN1336**

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

Designation Number: CN1336. Test Firm Registration Number: 787754.

- **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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5 Equipment List

Conducted Emissions at AC Power Line (150kHz-30MHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Shielding Room	ZhongYu Electron	GB-88	SEM001-06	2022-05-14	2025-05-13
EMI Test Receiver	Rohde&Schwarz	ESCI	SEM004-02	2023-03-20	2024-03-19
Measurement Software	AUDIX	e3 V8.2014-6-27a	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM024-01	2022-07-08	2023-07-07
LISN	Rohde&Schwarz	ENV216	SEM007-01	2022-09-20	2023-09-19
LISN	ETS-LINDGREN	3816/2	SEM007-02	2023-03-20	2024-03-19

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	2022-04-02	2025-04-01
Signal Analyzer	Rohde & Schwarz	FSV40	SEM008-04	2023-03-20	2024-03-19
Horn Antenna	Rohde&Schwarz	HF907	SEM003-07	2022-07-24	2024-07-23
Microwave system amplifier	Agilent	83017A	SEM005-25	2022-09-21	2023-09-20
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2022-07-08	2023-07-07
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	SEM003-15	2022-08-10	2024-08-09
Pre-Amplifier	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2023-03-20	2024-03-19

Radiated Spurious Emissions Below 1GHz					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Loop Antenna	ETS-Lindgren	6502	SEM003-08	2021-11-30	2023-11-29
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2020-07-19	2023-07-18
MXE EMI Receiver	Agilent Technologies	N9038A	SEM004-15	2022-10-20	2023-10-19
BiConiLog Antenna	ETS-LINDGREN	3142C	SEM003-01	2021-09-17	2023-09-16
Pre-Amplifier	Agilent Technologies	8447D	SEM005-01	2023-03-20	2024-03-19
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM025-01	2022-07-08	2023-07-07



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Radiated Spurious Emissions Above 1GHz						
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date	
3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2022-04-02	2025-04-01	
Signal Analyzer	Rohde & Schwarz	FSV40	SEM008-04	2023-03-20	2024-03-19	
Horn Antenna	Rohde&Schwarz	HF907	SEM003-07	2022-07-24	2024-07-23	
Microwave system amplifier	Agilent	83017A	SEM005-25	2022-09-21	2023-09-20	
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A	
Coaxial Cable	SGS	N/A	SEM026-01	2022-07-08	2023-07-07	

General used equipment					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	Mingle	N/A	SEM002-08	2022-09-04	2023-09-03
Humidity/ Temperature Indicator	Anymetre	TH101B	SEM002-09	2022-09-04	2023-09-03
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2023-03-23	2024-03-22



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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 2.46dBi.

Antenna location: Refer to internal photo.



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7 Radio Spectrum Matter Test Results

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

Test Requirement 47 CFR Part 15, Subpart C 15.207

Test Method: ANSI C63.10 (2013) Section 6.2

Limit:

Frequency of emission(MHz)	Conducted limit(dB μ V)	
	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: 23.2 °C Humidity: 52.6 % RH Atmospheric Pressure: 1005 mbar

7.1.2 Test Mode Description

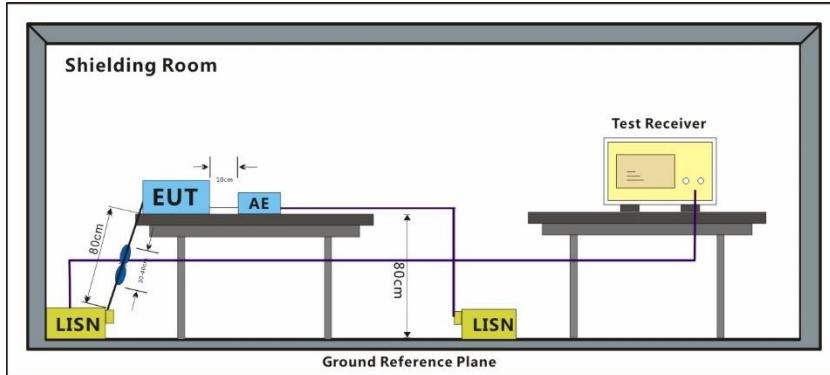
Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation.
Final test	02	TX mode(2Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation.



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7.1.3 Test Setup Diagram**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



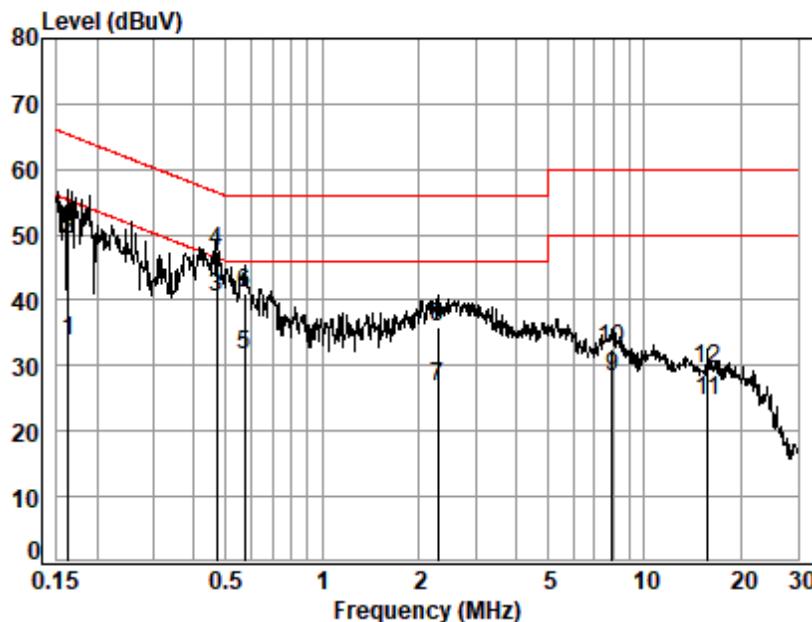
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Test Mode: 01; Line: Live line



Site : Shielding Room

Condition: Line

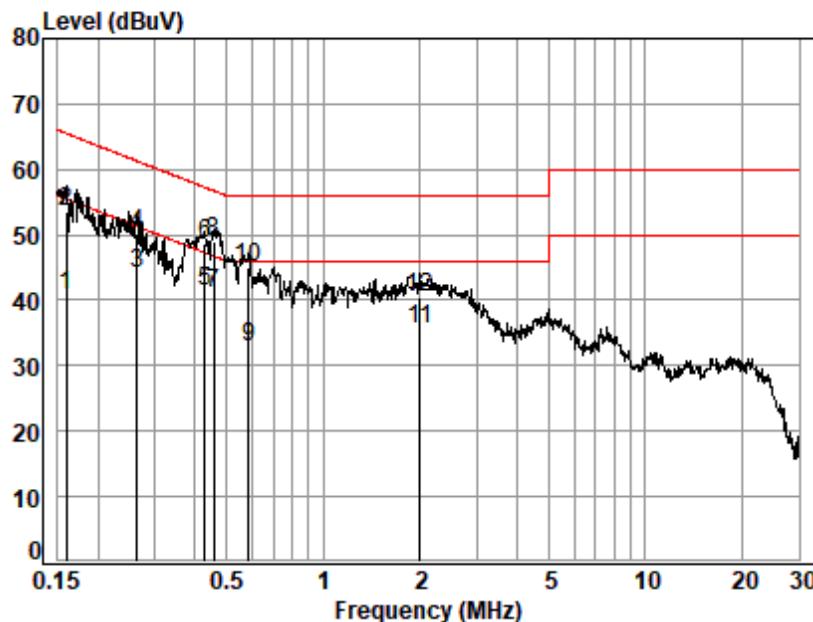
Job No. : 01441HS

Test mode: 01

Freq	Cable	LISN	Read	Limit	Over	Remark	
	Freq	Loss	Factor				
	MHz	dB	dB	dBuV	dBuV	dBuV	dB
1	0.1624	0.03	9.76	23.86	33.65	55.34	-21.69 Average
2	0.1624	0.03	9.76	39.46	49.25	65.34	-16.09 QP
3	0.4711	0.05	9.76	30.66	40.47	46.49	-6.02 Average
4	0.4711	0.05	9.76	37.66	47.47	56.49	-9.02 QP
5	0.5731	0.06	9.77	21.79	31.62	46.00	-14.38 Average
6	0.5731	0.06	9.77	31.29	41.12	56.00	-14.88 QP
7	2.2847	0.11	9.83	16.88	26.82	46.00	-19.18 Average
8	2.2847	0.11	9.83	25.81	35.75	56.00	-20.25 QP
9	7.9353	0.19	10.10	17.90	28.19	50.00	-21.81 Average
10	7.9353	0.19	10.10	22.40	32.69	60.00	-27.31 QP
11	15.7179	0.16	10.63	13.73	24.52	50.00	-25.48 Average
12	15.7179	0.16	10.63	18.61	29.40	60.00	-30.60 QP



Test Mode: 01; Line: Neutral Line



Site : Shielding Room

Condition: Neutral

Job No. : 01441HS

Test mode: 01

Freq	Cable	LISN	Read	Limit	Over	Remark	
	Freq	Loss	Factor				
	MHz	dB	dB	dBuV	dBuV	dBuV	dB
1	0.1590	0.03	9.74	31.10	40.87	55.52	-14.65 Average
2	0.1590	0.03	9.74	43.70	53.47	65.52	-12.05 QP
3	0.2644	0.04	9.73	34.40	44.17	51.29	-7.12 Average
4	0.2644	0.04	9.73	40.31	50.08	61.29	-11.21 QP
5	0.4305	0.05	9.74	31.67	41.46	47.24	-5.78 Average
6	0.4305	0.05	9.74	38.85	48.64	57.24	-8.60 QP
7	0.4588	0.05	9.74	31.27	41.06	46.71	-5.65 Average
8	0.4588	0.05	9.74	39.19	48.98	56.71	-7.73 QP
9	0.5885	0.06	9.74	23.10	32.90	46.00	-13.10 Average
10	0.5885	0.06	9.74	35.35	45.15	56.00	-10.85 QP
11	2.0012	0.10	9.79	25.84	35.73	46.00	-10.27 Average
12	2.0012	0.10	9.79	30.54	40.43	56.00	-15.57 QP

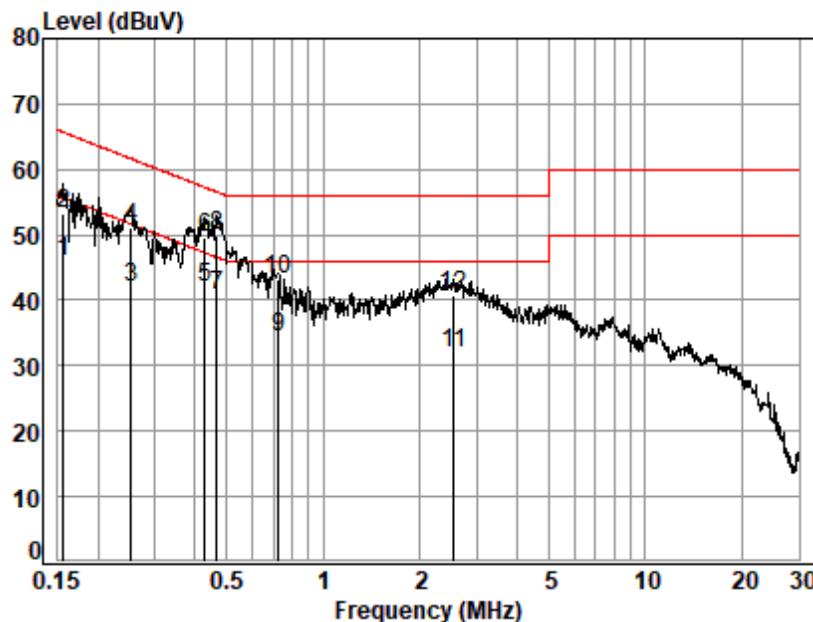


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Test Mode: 02; Line: Live line



Site : Shielding Room

Condition: Line

Job No. : 01441HS

Test mode: 02

Freq	Cable	LISN	Read	Limit	Over	Remark	
	Freq	Loss	Factor				
	MHz	dB	dB	dBuV	dBuV	dBuV	dB
1	0.1557	0.03	9.76	36.23	46.02	55.69	-9.67 Average
2	0.1557	0.03	9.76	43.52	53.31	65.69	-12.38 QP
3	0.2535	0.04	9.76	32.18	41.98	51.64	-9.66 Average
4	0.2535	0.04	9.76	41.45	51.25	61.64	-10.39 QP
5	0.4305	0.05	9.76	32.21	42.02	47.24	-5.22 Average
6	0.4305	0.05	9.76	39.71	49.52	57.24	-7.72 QP
7	0.4661	0.05	9.76	31.00	40.81	46.58	-5.77 Average
8	0.4661	0.05	9.76	39.98	49.79	56.58	-6.79 QP
9	0.7274	0.06	9.77	24.63	34.46	46.00	-11.54 Average
10	0.7274	0.06	9.77	33.33	43.16	56.00	-12.84 QP
11	2.5400	0.12	9.83	21.94	31.89	46.00	-14.11 Average
12	2.5400	0.12	9.83	30.78	40.73	56.00	-15.27 QP

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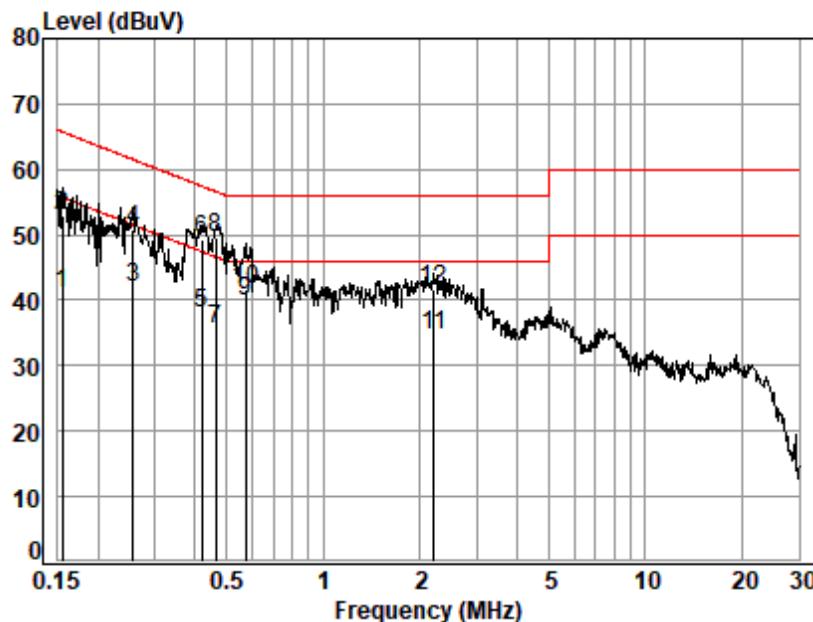
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Test Mode: 02; Line: Neutral Line



Site : Shielding Room

Condition: Neutral

Job No. : 01441HS

Test mode: 02

Freq	Cable	LISN	Read	Limit	Over	Remark	
	Freq	Loss	Factor				
	MHz	dB	dB	dBuV	dBuV	dBuV	dB
1	0.1548	0.03	9.74	31.43	41.20	55.74	-14.54 Average
2	0.1548	0.03	9.74	43.20	52.97	65.74	-12.77 QP
3	0.2562	0.04	9.73	32.12	41.89	51.56	-9.67 Average
4	0.2562	0.04	9.73	41.07	50.84	61.56	-10.72 QP
5	0.4193	0.05	9.74	28.22	38.01	47.46	-9.45 Average
6	0.4193	0.05	9.74	39.34	49.13	57.46	-8.33 QP
7	0.4637	0.05	9.74	25.70	35.49	46.63	-11.14 Average
8	0.4637	0.05	9.74	39.71	49.50	56.63	-7.13 QP
9	0.5731	0.06	9.74	29.91	39.71	46.00	-6.29 Average
10	0.5731	0.06	9.74	31.95	41.75	56.00	-14.25 QP
11	2.2132	0.11	9.80	24.88	34.79	46.00	-11.21 Average
12	2.2132	0.11	9.80	31.91	41.82	56.00	-14.18 QP



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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 Environment:

Temperature: 23.6 °C Humidity: 52.8 % RH Atmospheric Pressure: 1010 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation.
Final test	02	TX mode(2Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation.



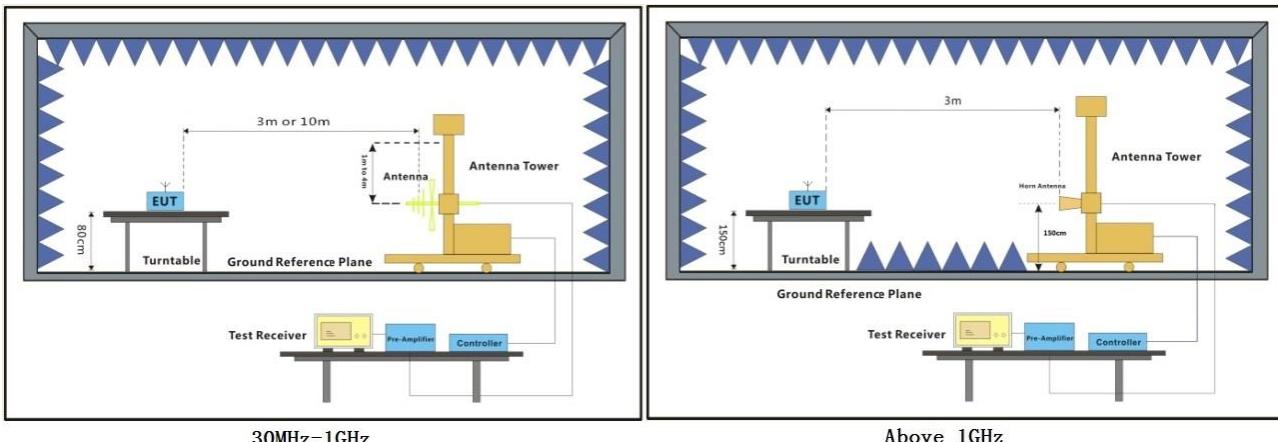
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7.2.3 Test Setup Diagram



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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.



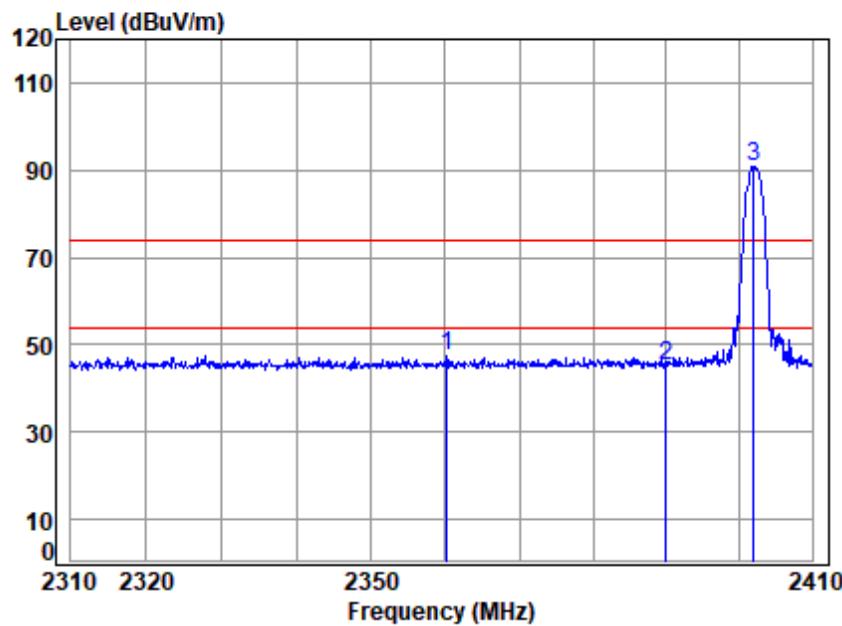
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Test Mode: 01; Polarity: Horizontal; Modulation:GFSK; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01441HS
Mode : 2402 Band edge
Note : BLE 1M

	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
		Loss	Factor	Factor	Level	Level	Line	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	2360.170	4.22	28.64	39.20	53.88	47.54	74.00	-26.46 peak
2	2390.000	4.25	28.76	39.22	51.38	45.17	74.00	-28.83 peak
3	2402.000	4.26	28.81	39.23	96.96	90.80	74.00	16.80 peak



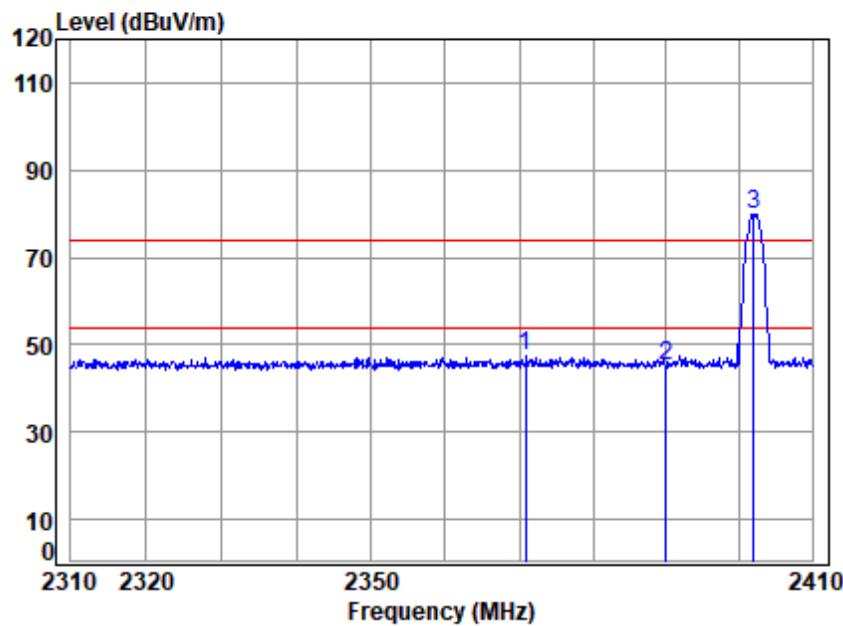
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Test Mode: 01; Polarity: Vertical; Modulation:GFSK; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01441HS
Mode : 2402 Band edge
Note : BLE 1M

	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
		Loss	Factor	Factor	Level	Level	Line	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	2370.897	4.23	28.68	39.21	53.70	47.40	74.00	-26.60 peak
2	2390.000	4.25	28.76	39.22	51.46	45.25	74.00	-28.75 peak
3	2402.000	4.26	28.81	39.23	85.96	79.80	74.00	5.80 peak



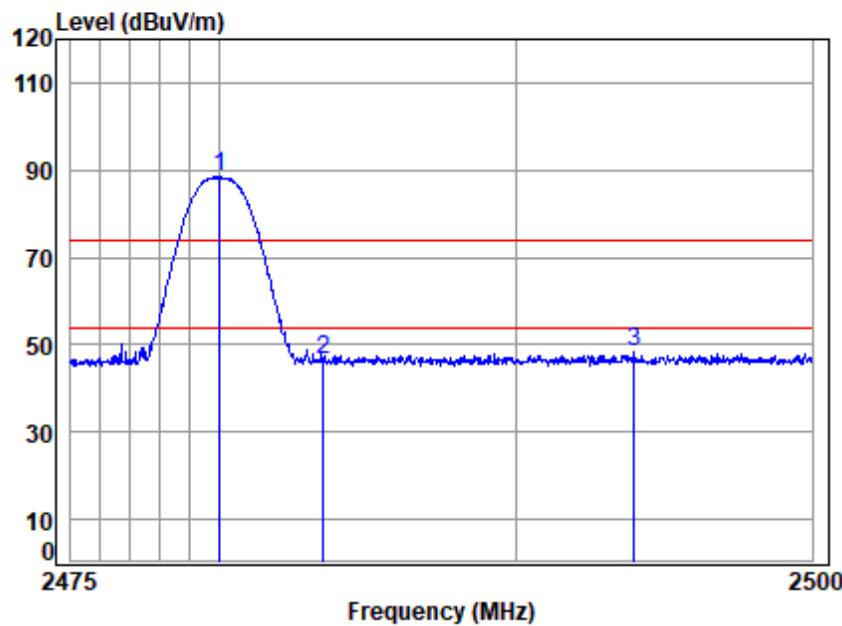
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Test Mode: 01; Polarity: Horizontal; Modulation:GFSK; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01441HS
Mode : 2480 Band edge
Note : BLE 1M

	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
		Loss	Factor	Factor	Level	Level	Line	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	2480.000	4.34	29.28	39.27	94.05	88.40	74.00	14.40 peak
2	2483.500	4.34	29.30	39.27	52.08	46.45	74.00	-27.55 peak
3	2493.977	4.35	29.36	39.27	53.78	48.22	74.00	-25.78 peak

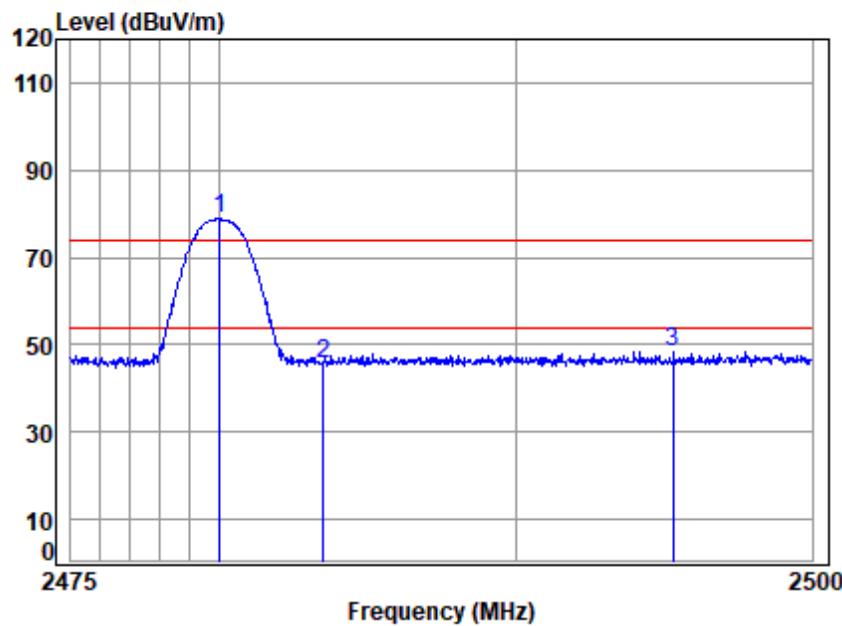


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Test Mode: 01; Polarity: Vertical; Modulation:GFSK; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 01441HS
Mode : 2480 Band edge
Note : BLE 1M

	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
		Loss	Factor	Factor	Level	Level	Line	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	2480.000	4.34	29.28	39.27	84.44	78.79	74.00	4.79 peak
2	2483.500	4.34	29.30	39.27	51.20	45.57	74.00	-28.43 peak
3	2495.306	4.36	29.37	39.27	53.85	48.31	74.00	-25.69 peak

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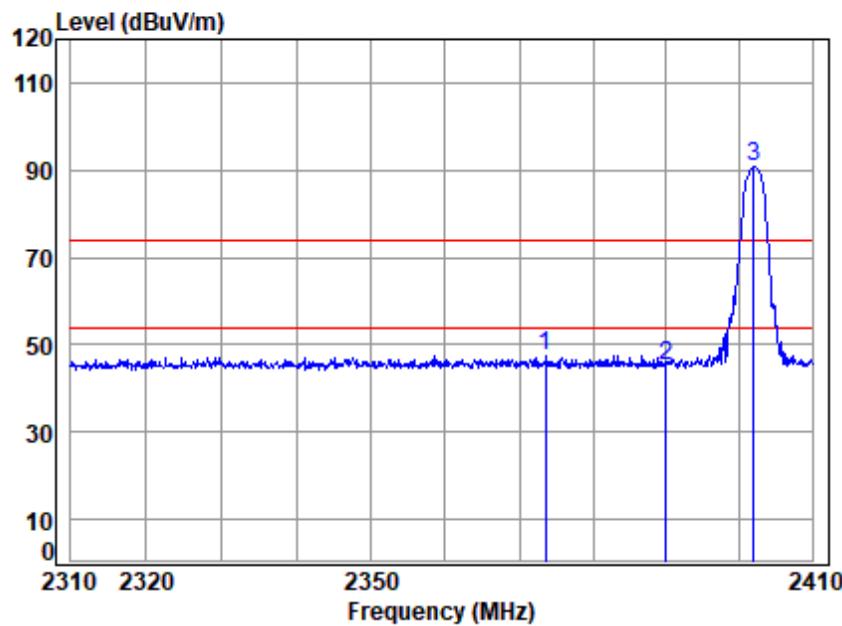
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Test Mode: 02; Polarity: Horizontal; Modulation:GFSK; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01441HS
Mode : 2402 Band edge
Note : BLE 2M

	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
		Loss	Factor	Factor	Level	Level	Line	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	2373.611	4.23	28.69	39.21	53.80	47.51	74.00	-26.49 peak
2	2390.000	4.25	28.76	39.22	51.58	45.37	74.00	-28.63 peak
3	2402.000	4.26	28.81	39.23	97.00	90.84	74.00	16.84 peak

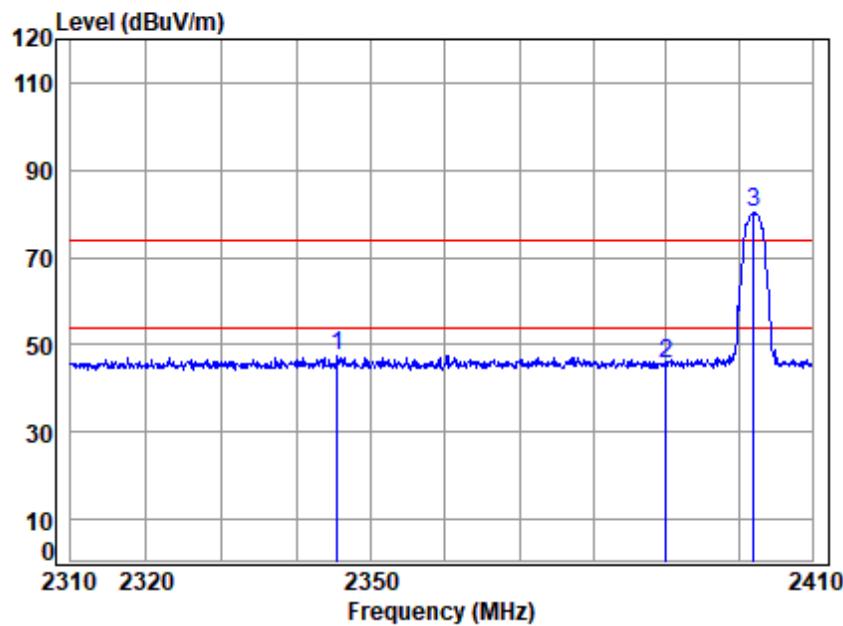
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Test Mode: 02; Polarity: Vertical; Modulation:GFSK; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01441HS
Mode : 2402 Band edge
Note : BLE 2M

	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
		Loss	Factor	Factor	Level	Level	Line	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	2345.513	4.20	28.58	39.20	53.78	47.36	74.00	-26.64 peak
2	2390.000	4.25	28.76	39.22	51.90	45.69	74.00	-28.31 peak
3	2402.000	4.26	28.81	39.23	86.33	80.17	74.00	6.17 peak



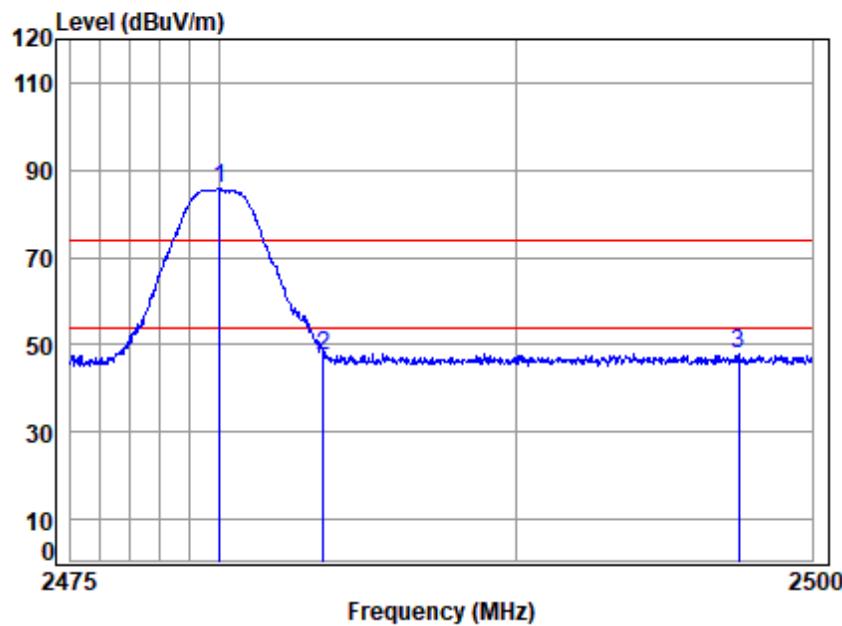
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Test Mode: 02; Polarity: Horizontal; Modulation:GFSK; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01441HS
Mode : 2480 Band edge
Note : BLE 2M

	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
		Loss	Factor	Factor	Level	Level	Line	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	2480.000	4.34	29.28	39.27	91.31	85.66	74.00	11.66 peak
2	2483.500	4.34	29.30	39.27	53.18	47.55	74.00	-26.45 peak
3	2497.514	4.36	29.39	39.27	53.47	47.95	74.00	-26.05 peak

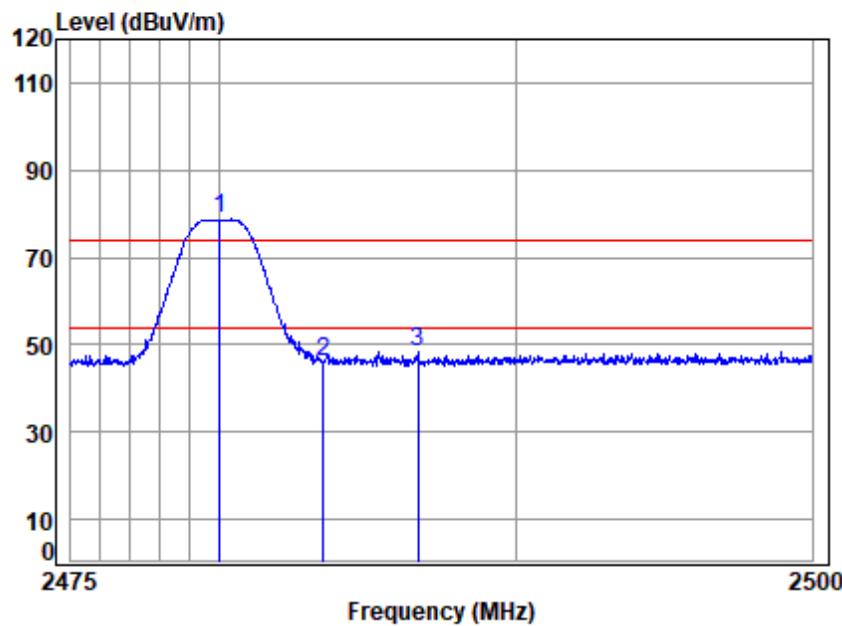


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Test Mode: 02; Polarity: Vertical; Modulation:GFSK; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 01441HS
Mode : 2480 Band edge
Note : BLE 2M

	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
		MHz	Loss	Factor	Factor	Level	Level	
1	2480.000	4.34	29.28	39.27	84.39	78.74	74.00	4.74 peak
2	2483.500	4.34	29.30	39.27	51.92	46.29	74.00	-27.71 peak
3	2486.669	4.35	29.32	39.27	53.98	48.38	74.00	-25.62 peak



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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: 22.3 °C Humidity: 51.3 % RH Atmospheric Pressure: 1010 mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation.
Final test	02	TX mode(2Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation.



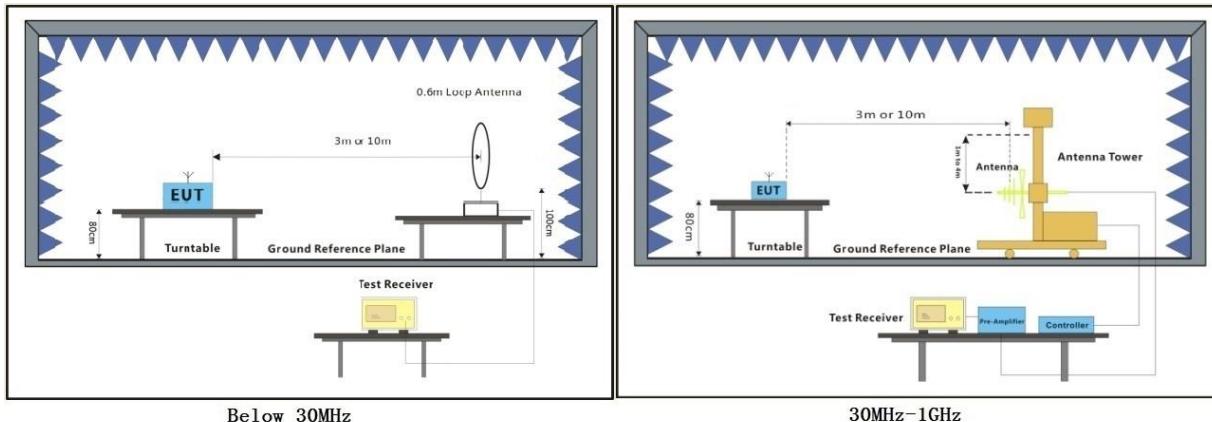
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7.3.3 Test Setup Diagram**7.3.4 Measurement Procedure and Data**

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 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.



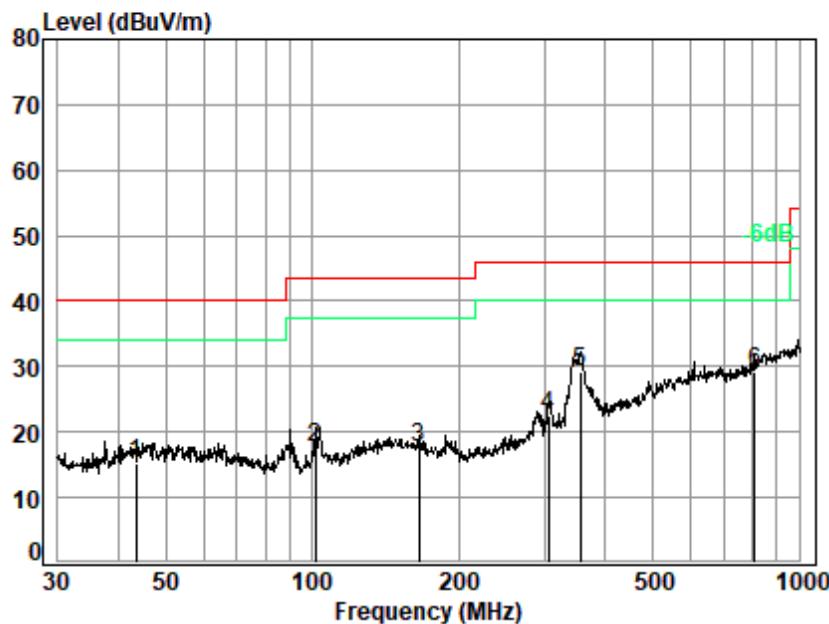
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Test Mode: 01; Polarity: Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01441HS
Mode : 01

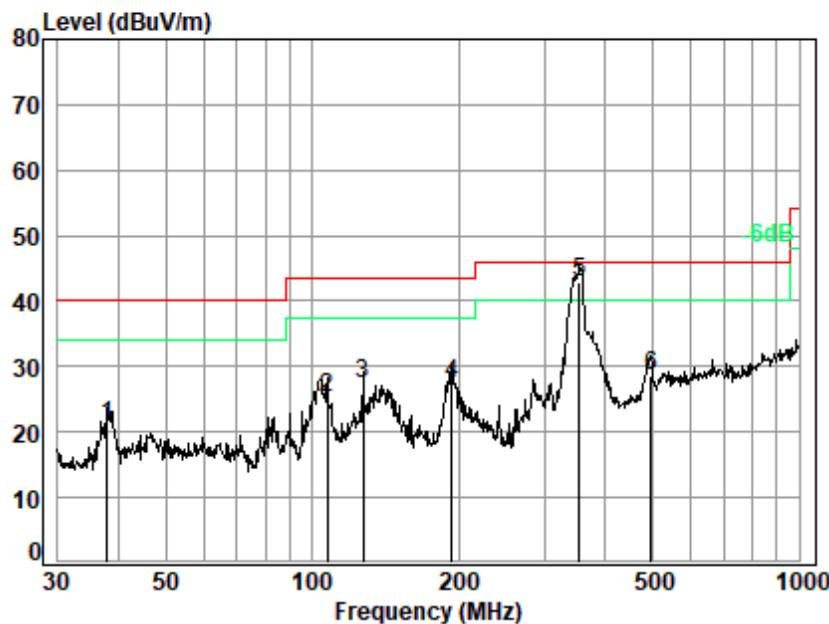
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	Loss	Factor	Factor	Level				
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	43.506	0.71	14.07	27.19	27.73	15.32	40.00	-24.68 QP
2	101.289	1.15	13.00	26.99	30.48	17.64	43.50	-25.86 QP
3	165.487	1.50	13.79	26.74	29.02	17.57	43.50	-25.93 QP
4	305.680	2.14	18.97	26.22	27.73	22.62	46.00	-23.38 QP
5	355.427	2.32	20.48	26.37	32.74	29.17	46.00	-16.83 QP
6	810.265	3.70	26.88	26.26	24.76	29.08	46.00	-16.92 QP



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Test Mode: 01; Polarity: Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 01441HS
Mode : 01

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	
1	37.945	0.66	16.48	27.21	30.95	20.88	40.00 -19.12 QP
2	107.134	1.18	12.79	26.97	38.23	25.23	43.50 -18.27 QP
3	127.218	1.29	11.57	26.89	41.32	27.29	43.50 -16.21 QP
4	193.773	1.66	14.57	26.62	37.84	27.45	43.50 -16.05 QP
5	354.183	2.32	20.42	26.36	46.40	42.78	46.00 -3.22 QP
6	495.934	2.80	22.98	26.79	29.65	28.64	46.00 -17.36 QP

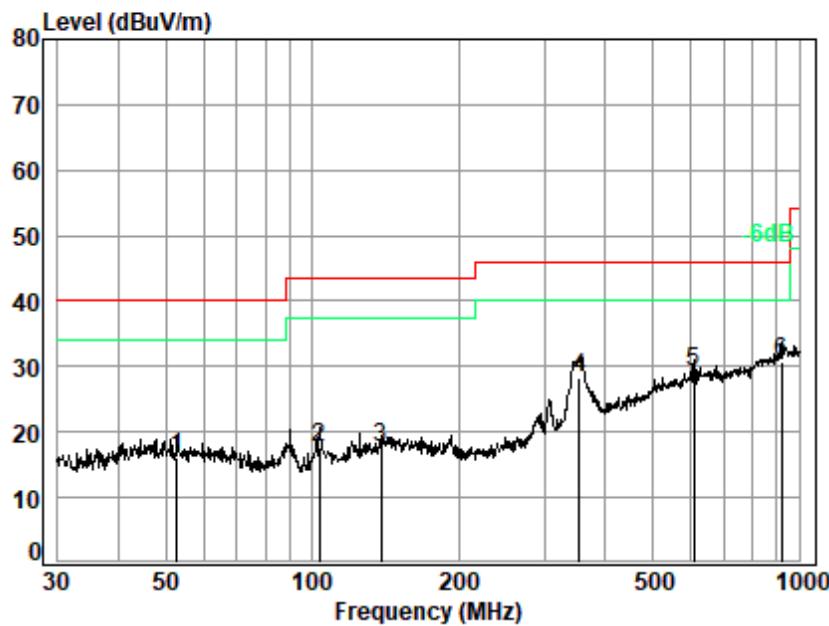
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Test Mode: 02; Polarity: Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01441HS
Mode : 02

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level			
1	52.760	0.81	12.17	27.16	30.30	16.12	40.00 -23.88 QP
2	103.442	1.16	12.97	26.99	30.60	17.74	43.50 -25.76 QP
3	138.387	1.35	11.88	26.85	31.22	17.60	43.50 -25.90 QP
4	352.943	2.31	20.39	26.36	32.08	28.42	46.00 -17.58 QP
5	607.787	3.14	25.62	27.07	27.45	29.14	46.00 -16.86 QP
6	919.287	4.07	28.39	25.82	24.08	30.72	46.00 -15.28 QP

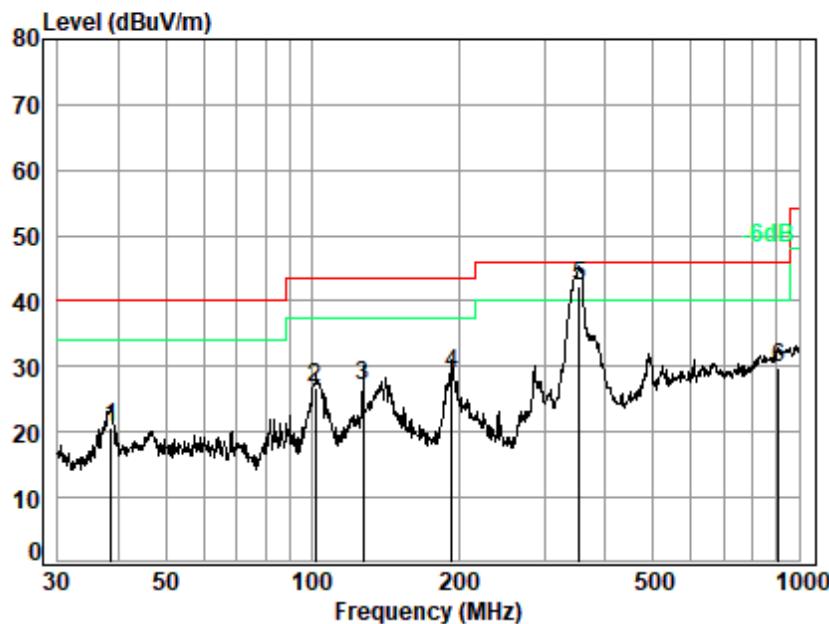


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sgs.china@sgs.com

Test Mode: 02; Polarity: Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 01441HS
Mode : 02

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Limit	Remark
					dB	dBuV	dBuV/m	dBuV/m
1	38.616	0.66	16.13	27.20	31.19	20.78	40.00	-19.22 QP
2	101.644	1.15	13.00	26.99	39.59	26.75	43.50	-16.75 QP
3	127.218	1.29	11.57	26.89	41.07	27.04	43.50	-16.46 QP
4	193.773	1.66	14.57	26.62	39.31	28.92	43.50	-14.58 QP
5	352.943	2.31	20.39	26.36	45.86	42.20	46.00	-3.80 QP
6	906.482	4.04	28.50	25.87	23.13	29.80	46.00	-16.20 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

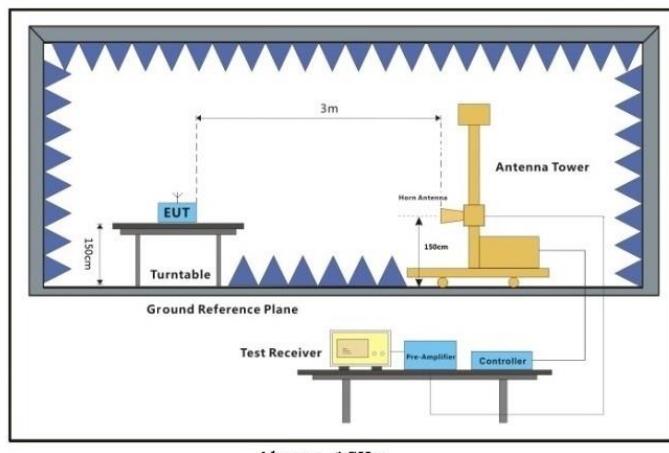
7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 20.4 °C Humidity: 51.3 % RH Atmospheric Pressure: 1010 mbar

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation.
Final test	02	TX mode(2Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation.

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.



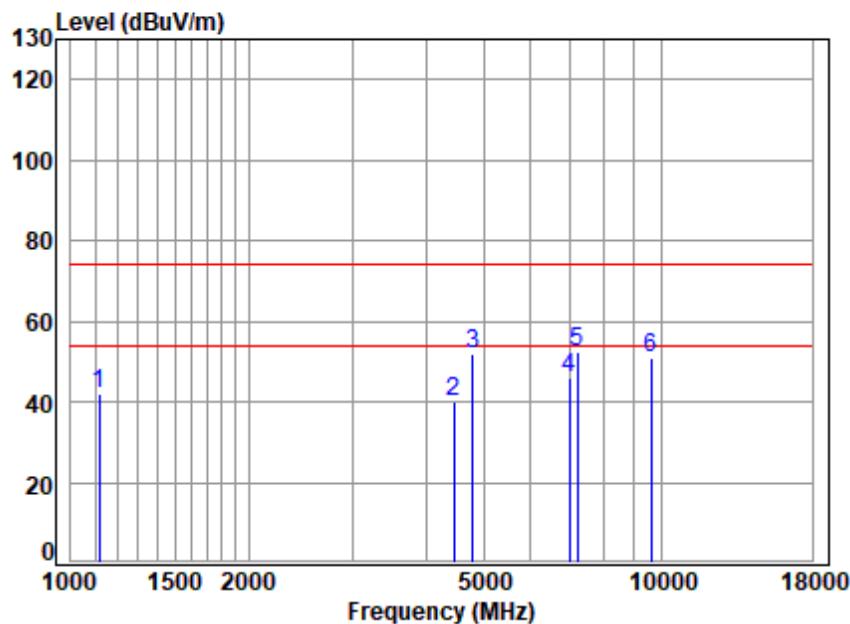
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Test Mode: 01; Polarity: Horizontal; Modulation:GFSK; Channel:Low



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01441HS
 Mode : 2402 TX RSE
 Note : BLE 1M

	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
		Loss	Factor	Factor	Level	Level	Line	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1116.093	2.66	24.07	38.50	53.94	42.17	74.00	-31.83 peak
2	4456.315	6.73	33.50	40.64	40.47	40.06	74.00	-33.94 peak
3	4804.000	7.04	33.82	40.87	51.94	51.93	74.00	-22.07 peak
4	6995.172	8.32	35.79	40.60	42.69	46.20	74.00	-27.80 peak
5	7206.000	8.52	35.80	40.47	48.63	52.48	74.00	-21.52 peak
6	9608.000	10.39	37.10	37.05	40.39	50.83	74.00	-23.17 peak

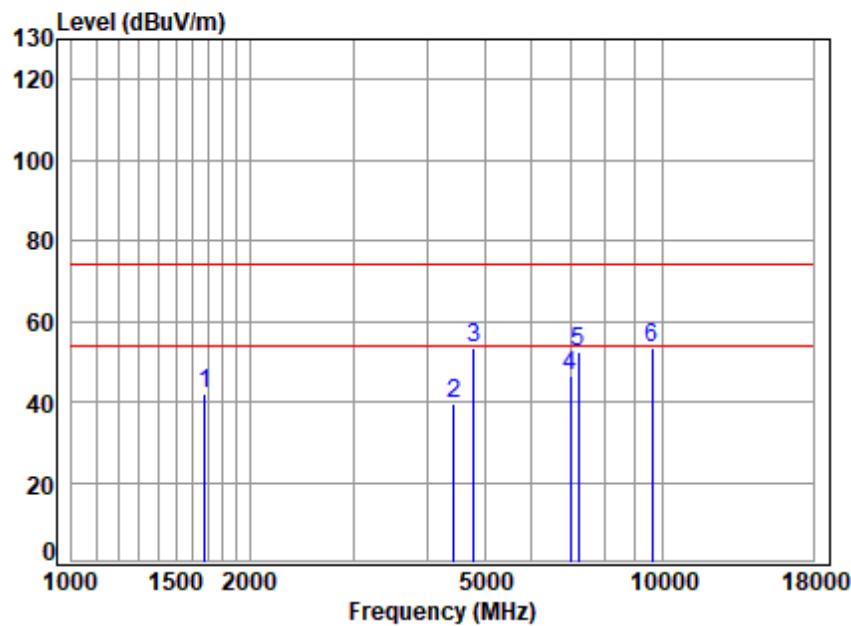


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Test Mode: 01; Polarity: Vertical; Modulation:GFSK; Channel:Low



Site : chamber
 Condition: 3m VERTICAL
 Job No : 01441HS
 Mode : 2402 TX RSE
 Note : BLE 1M

	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
		Loss	Factor	Factor	Level	Level	Line	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1677.621	3.46	26.76	38.85	50.72	42.09	74.00	-31.91 peak
2	4430.628	6.71	33.50	40.62	40.18	39.77	74.00	-34.23 peak
3	4804.000	7.04	33.82	40.87	53.26	53.25	74.00	-20.75 peak
4	6995.172	8.32	35.79	40.60	42.73	46.24	74.00	-27.76 peak
5	7206.000	8.52	35.80	40.47	48.41	52.26	74.00	-21.74 peak
6	9608.000	10.39	37.10	37.05	43.09	53.53	74.00	-20.47 peak

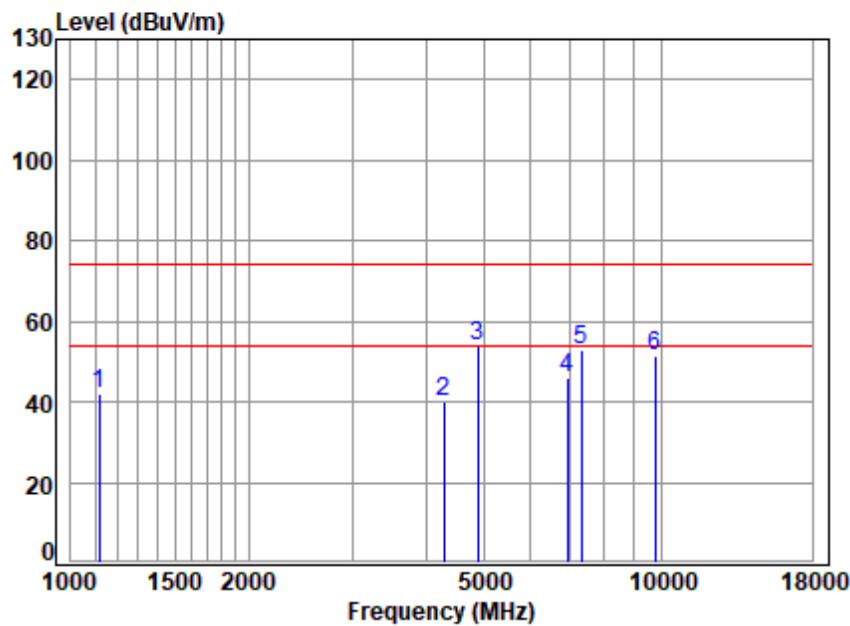
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Test Mode: 01; Polarity: Horizontal; Modulation:GFSK; Channel:middle



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01441HS
 Mode : 2440 TX RSE
 Note : BLE 1M

	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
		Loss	Factor	Factor	Level	Level	Line	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1119.323	2.66	24.08	38.50	53.93	42.17	74.00	-31.83 peak
2	4279.589	6.56	33.60	40.51	40.17	39.82	74.00	-34.18 peak
3	4880.000	7.11	34.06	40.92	53.60	53.85	74.00	-20.15 peak
4	6934.778	8.31	35.67	40.65	42.63	45.96	74.00	-28.04 peak
5	7320.000	8.62	35.90	40.40	48.72	52.84	74.00	-21.16 peak
6	9760.000	10.45	37.20	36.79	40.65	51.51	74.00	-22.49 peak



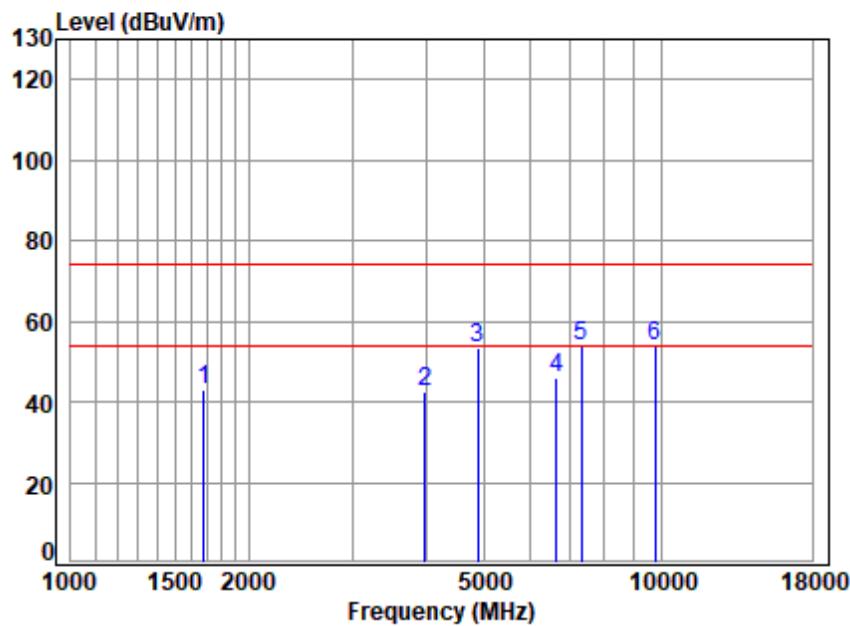
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Test Mode: 01; Polarity: Vertical; Modulation:GFSK; Channel:middle



Site : chamber
 Condition: 3m VERTICAL
 Job No : 01441HS
 Mode : 2440 TX RSE
 Note : BLE 1M

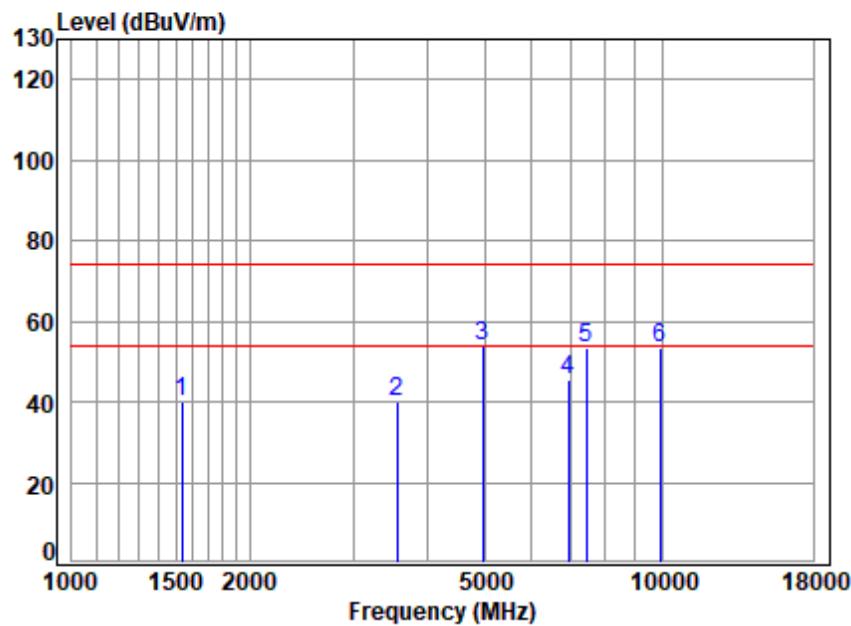
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		Loss	Factor	Factor	Level	Level	Line	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1677.621	3.46	26.76	38.85	51.41	42.78	74.00	-31.22 peak
2	3981.257	6.26	32.66	40.29	44.09	42.72	74.00	-31.28 peak
3	4880.000	7.11	34.06	40.92	53.17	53.42	74.00	-20.58 peak
4	6640.542	8.27	35.60	40.87	42.74	45.74	74.00	-28.26 peak
5	7320.000	8.62	35.90	40.40	49.66	53.78	74.00	-20.22 peak
6	9760.000	10.45	37.20	36.79	43.03	53.89	74.00	-20.11 peak

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



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01441HS
 Mode : 2480 TX RSE
 Note : BLE 1M

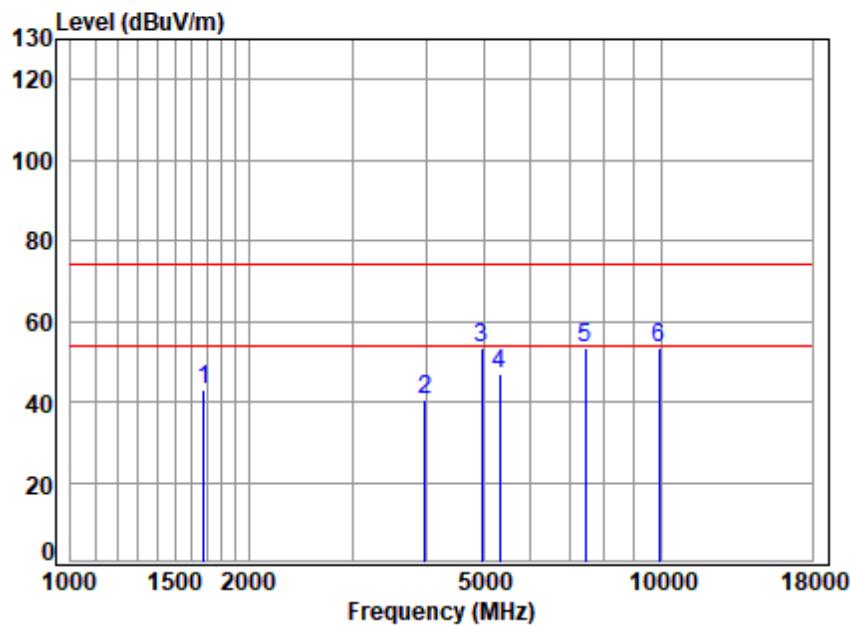
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		Loss	Factor	Factor	Level	Level	Line	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1533.841	3.29	25.74	38.77	49.75	40.01	74.00	-33.99 peak
2	3556.843	5.68	31.81	39.97	42.29	39.81	74.00	-34.19 peak
3	4960.000	7.18	34.22	40.97	53.22	53.65	74.00	-20.35 peak
4	6934.778	8.31	35.67	40.65	42.14	45.47	74.00	-28.53 peak
5	7440.000	8.73	35.90	40.33	49.31	53.61	74.00	-20.39 peak
6	9920.000	10.52	37.30	36.53	41.98	53.27	74.00	-20.73 peak



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



Site : chamber
 Condition: 3m VERTICAL
 Job No : 01441HS
 Mode : 2480 TX RSE
 Note : BLE 1M

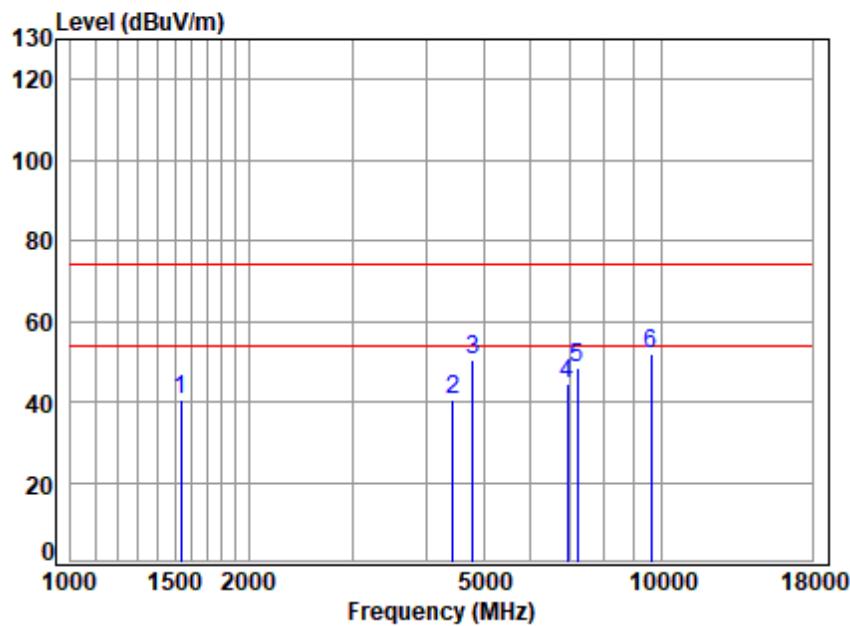
	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
		Loss	Factor	Factor	Level	Level	Line	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1682.477	3.47	26.77	38.85	51.66	43.05	74.00	-30.95 peak
2	3981.257	6.26	32.66	40.29	41.98	40.61	74.00	-33.39 peak
3	4960.000	7.18	34.22	40.97	53.07	53.50	74.00	-20.50 peak
4	5315.542	7.53	34.23	41.13	46.56	47.19	74.00	-26.81 peak
5	7440.000	8.73	35.90	40.33	49.00	53.30	74.00	-20.70 peak
6	9920.000	10.52	37.30	36.53	42.04	53.33	74.00	-20.67 peak



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Test Mode: 02; Polarity: Horizontal; Modulation:GFSK; Channel:Low



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01441HS
 Mode : 2402 TX RSE
 Note : BLE 2M

	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
		Loss	Factor	Factor	Level	Level	Line	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1538.281	3.29	25.78	38.77	50.28	40.58	74.00	-33.42 peak
2	4430.628	6.71	33.50	40.62	40.86	40.45	74.00	-33.55 peak
3	4804.000	7.04	33.82	40.87	50.44	50.43	74.00	-23.57 peak
4	6934.778	8.31	35.67	40.65	40.98	44.31	74.00	-29.69 peak
5	7206.000	8.52	35.80	40.47	44.78	48.63	74.00	-25.37 peak
6	9608.000	10.39	37.10	37.05	41.44	51.88	74.00	-22.12 peak



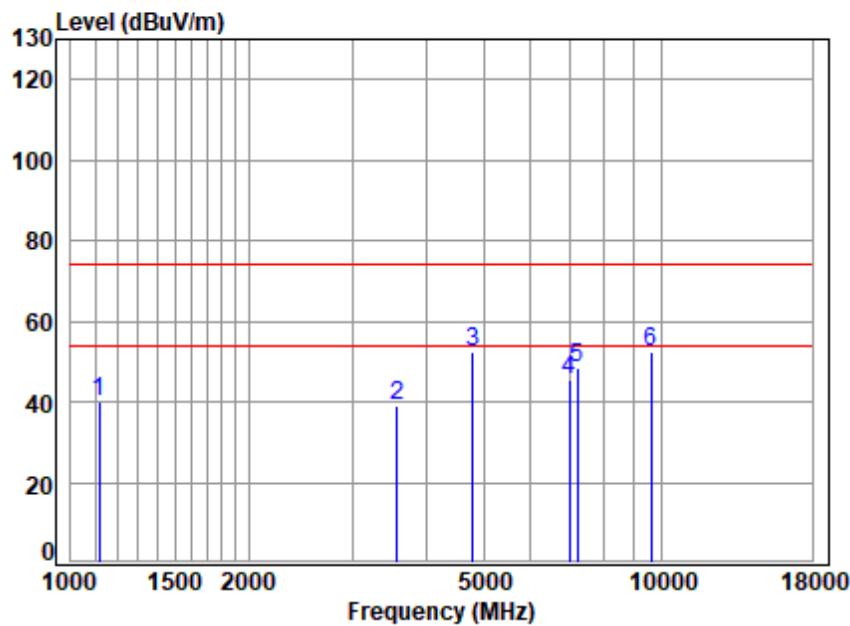
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Test Mode: 02; Polarity: Vertical; Modulation:GFSK; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 01441HS
Mode : 2402 TX RSE
Note : BLE 2M

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark	
								MHz	dB
1 1116.093	2.66	24.07	38.50	52.01	40.24	74.00	-33.76	peak	
2 3567.138	5.69	31.83	39.98	41.54	39.08	74.00	-34.92	peak	
3 4804.000	7.04	33.82	40.87	52.37	52.36	74.00	-21.64	peak	
4 6974.982	8.32	35.75	40.62	42.09	45.54	74.00	-28.46	peak	
5 7206.000	8.52	35.80	40.47	44.78	48.63	74.00	-25.37	peak	
6 9608.000	10.39	37.10	37.05	41.95	52.39	74.00	-21.61	peak	

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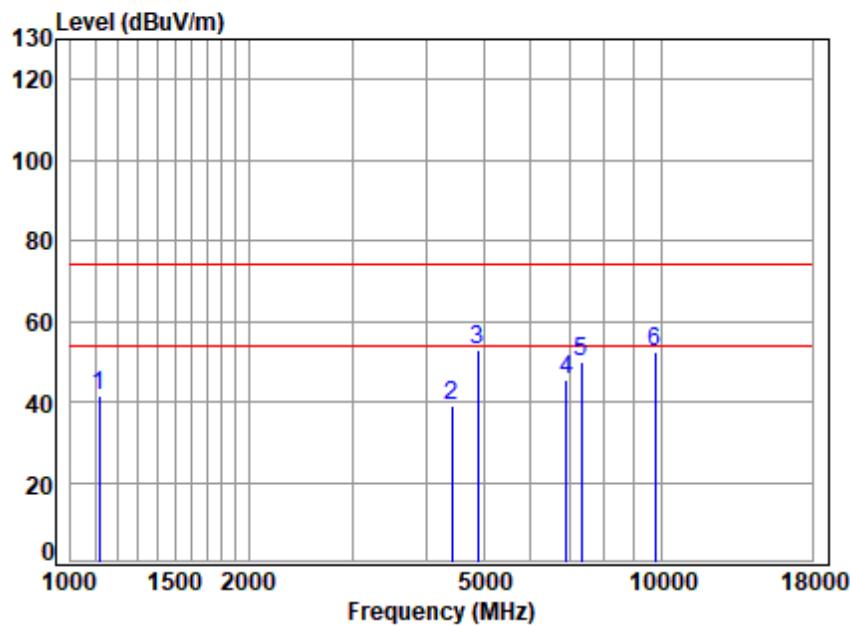


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Test Mode: 02; Polarity: Horizontal; Modulation:GFSK; Channel:middle



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 01441HS
 Mode : 2440 TX RSE
 Note : BLE 2M

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark	
								MHz	dB
								dB	dB
1	1119.323	2.66	24.08	38.50	53.44	41.68	74.00	-32.32	peak
2	4417.841	6.69	33.50	40.61	39.50	39.08	74.00	-34.92	peak
3	4880.000	7.11	34.06	40.92	52.68	52.93	74.00	-21.07	peak
4	6894.806	8.30	35.60	40.68	42.12	45.34	74.00	-28.66	peak
5	7320.000	8.62	35.90	40.40	45.58	49.70	74.00	-24.30	peak
6	9760.000	10.45	37.20	36.79	41.47	52.33	74.00	-21.67	peak

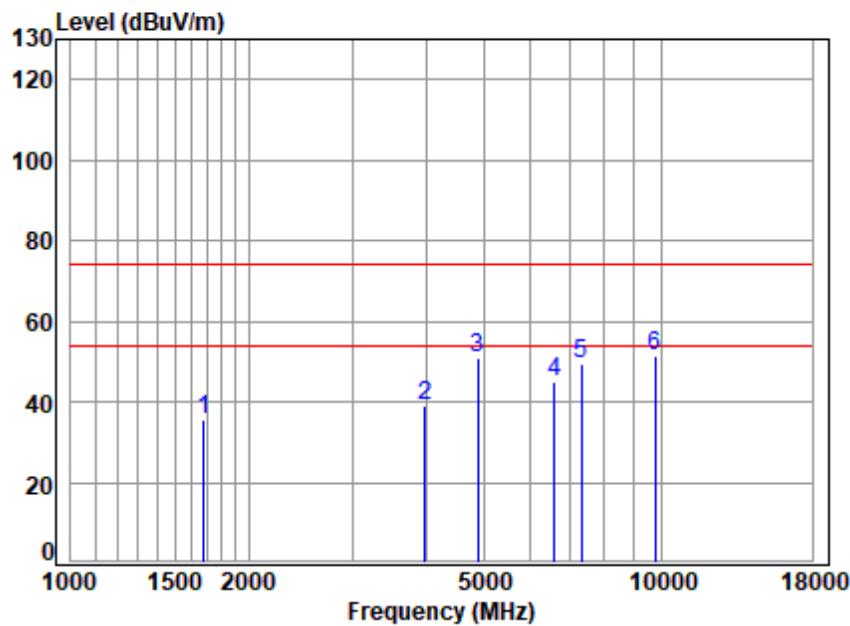
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Test Mode: 02; Polarity: Vertical; Modulation:GFSK; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 01441HS
Mode : 2440 TX RSE
Note : BLE 2M

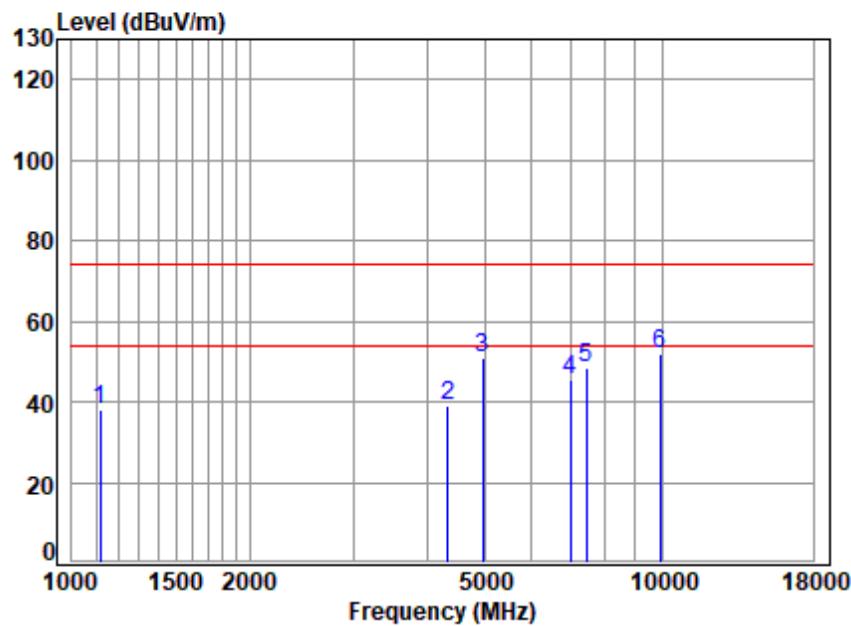
Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark	
								dB	
MHz									
1	1677.621	3.46	26.76	38.85	44.12	35.49	74.00	-38.51	peak
2	3981.257	6.26	32.66	40.29	40.65	39.28	74.00	-34.72	peak
3	4880.000	7.11	34.06	40.92	50.86	51.11	74.00	-22.89	peak
4	6602.265	8.26	35.60	40.90	42.14	45.10	74.00	-28.90	peak
5	7320.000	8.62	35.90	40.40	45.45	49.57	74.00	-24.43	peak
6	9760.000	10.45	37.20	36.79	40.30	51.16	74.00	-22.84	peak



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Test Mode: 02; Polarity: Horizontal; Modulation:GFSK; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01441HS
Mode : 2480 TX RSE
Note : BLE 2M

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark	
								dB	
MHz									
1	1116.093	2.66	24.07	38.50	49.62	37.85	74.00	-36.15	peak
2	4329.354	6.61	33.60	40.55	39.48	39.14	74.00	-34.86	peak
3	4960.000	7.18	34.22	40.97	50.60	51.03	74.00	-22.97	peak
4	6974.982	8.32	35.75	40.62	42.01	45.46	74.00	-28.54	peak
5	7440.000	8.73	35.90	40.33	44.37	48.67	74.00	-25.33	peak
6	9920.000	10.52	37.30	36.53	40.74	52.03	74.00	-21.97	peak

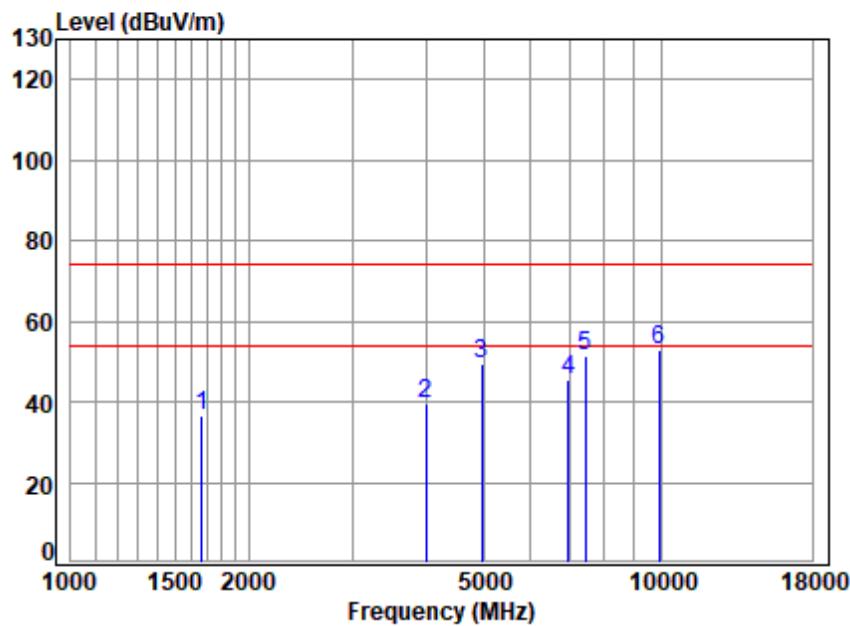
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Test Mode: 02; Polarity: Vertical; Modulation:GFSK; Channel:High



Site : chamber
 Condition: 3m VERTICAL
 Job No : 01441HS
 Mode : 2480 TX RSE
 Note : BLE 2M

	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
		Loss	Factor	Factor	Level	Level	Line	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1667.951	3.45	26.74	38.84	45.30	36.65	74.00	-37.35 peak
2	3992.781	6.27	32.69	40.29	40.95	39.62	74.00	-34.38 peak
3	4960.000	7.18	34.22	40.97	49.10	49.53	74.00	-24.47 peak
4	6954.852	8.31	35.71	40.63	41.95	45.34	74.00	-28.66 peak
5	7440.000	8.73	35.90	40.33	46.94	51.24	74.00	-22.76 peak
6	9920.000	10.52	37.30	36.53	41.71	53.00	74.00	-21.00 peak



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8 Test Setup Photo

Refer to Appendix - Test Setup Photo for SZCR2305001441HS

9 EUT Constructional Details (EUT Photos)

Refer to Appendix - external and internal photos for SZCR2305001441HS

- End of the Report -



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