

TEST REPORT

Application No.: SZCR2512005490ET(SZHL251201093901TY)
Applicant: Shantou Dihua trading Co., Ltd
Address of Applicant: No.1 Leshan road, Shantou, Guangdong, China
Equipment Under Test (EUT):
EUT Name: 2.4G R/C FULL FUNCTION RALLY BUGGY
Item No.: TRCDH1550G, 83013/TRCDH1550G, 83014/TRCDH1550G ♣
 ♣ Please refer to section 2 of this report which indicates which item was actually tested and which were electrically identical.
FCC ID: 2AK3Z-2025129
Standard(s) : 47 CFR Part 15, Subpart C 15.249
Date of Receipt: 2025-12-11
Date of Test: 2025-12-16 to 2025-12-26
Date of Issue: 2025-12-30

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

Keny Xu

Keny Xu
EMC Laboratory Manager



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Shenzhen Branch EMC Laboratory

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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2025-12-30		Original

Authorized for issue by:				
		Martin Tang		
		Martin Tang/Project Engineer		
		Eric Fu		
		Eric Fu/Reviewer		



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2 Test Summary

Radio Spectrum Technical Requirement				
Item	Standard	Method	Requirement	Result
Antenna Requirement	47 CFR Part 15, Subpart C 15.249	N/A	47 CFR Part 15, Subpart C 15.203	Pass

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Field Strength of the Fundamental Signal (15.249(a))	47 CFR Part 15, Subpart C 15.249	ANSI C63.10 (2020) Section 6.5&6.6	47 CFR Part 15, Subpart C 15.249(a)	Pass
Restricted Band Around Fundamental Frequency		ANSI C63.10 (2020) Section 6.10.5	47 CFR Part 15, Subpart C 15.205 & 15.249(d) & 15.209	Pass
Radiated Emissions Below 1GHz		ANSI C63.10 (2020) Section 6.4&6.5	47 CFR Part 15, Subpart C 15.209 & 15.249 (a),(d)	Pass
Radiated Emissions Above 1GHz		ANSI C63.10 (2020) Section 6.6	47 CFR Part 15, Subpart C 15.209 & 15.249 (a),(d)	Pass
20dB Bandwidth		ANSI C63.10 (2020) Section 6.9	47 CFR Part 15, Subpart C 15.215	Pass

Declaration of EUT Family Grouping:

Item No.: TRCDH1550G, 83013/TRCDH1550G, 83014/TRCDH1550G

Only the item TRCDH1550G 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 items, with only difference on item No., color and appearance.



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4 General Information

4.1 Details of E.U.T.

Power supply:	3V DC(1.5V x 2 "AA" Size Batteries) for remote controller
Cable Loss (for RF conducted test):	0.5dB
Operation Frequency:	2410MHz-2470MHz
Modulation Type:	GFSK
Number of Channels	61
Antenna Type	Wire Antenna
Antenna Gain:	0.17dBi

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.

Channel list:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2410	22	2431	43	2452
2	2411	23	2432	44	2453
3	2412	24	2433	45	2454
4	2413	25	2434	46	2455
5	2414	26	2435	47	2456
6	2415	27	2436	48	2457
7	2416	28	2437	49	2458
8	2417	29	2438	50	2459
9	2418	30	2439	51	2460
10	2419	31	2440	52	2461
11	2420	32	2441	53	2462
12	2421	33	2442	54	2463
13	2422	34	2443	55	2464
14	2423	35	2444	56	2465
15	2424	36	2445	57	2466
16	2425	37	2446	58	2467
17	2426	38	2447	59	2468
18	2427	39	2448	60	2469
19	2428	40	2449	61	2470
20	2429	41	2450		
21	2430	42	2451		

4.2 Description of Support Units

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

4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Field Strength of the Fundamental Signal (15.249(a))	$\pm 6.0\text{dB}$ (Below 1GHz); $\pm 4.6\text{dB}$ (Above 1GHz)
Restricted Band Around Fundamental Frequency	$\pm 6.0\text{dB}$ (Below 1GHz); $\pm 4.6\text{dB}$ (Above 1GHz)
Radiated Emissions Below 1GHz	$\pm 6.0\text{dB}$ for 3m; $\pm 5.0\text{dB}$ for 10m
Radiated Emissions Above 1GHz	$\pm 4.6\text{dB}$ (1GHz-18GHz); $\pm 4.8\text{dB}$ (18MHz-40GHz)
20dB Bandwidth	$\pm 0.3\%$

Remark:

The U_{lab} (lab Uncertainty) is less than $U_{\text{CISPR/ETSI}}$ (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:

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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

Field Strength of the Fundamental Signal (15.249(a))					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Fully-Anechoic Chamber	AUDIX	N/A	SEM001-02	2025-05-07	2028-05-06
Signal Analyzer	Rohde & Schwarz	FSV40	SEM008-04	2025-03-04	2026-03-03
Horn Antenna	Rohde&Schwarz	HF907	SEM003-07	2025-07-22	2026-07-21
Microwave system amplifier	Agilent	83017A	SEM005-25	2025-09-10	2026-09-09
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2025-07-05	2026-07-04

Restricted Band Around Fundamental Frequency					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Fully-Anechoic Chamber	AUDIX	N/A	SEM001-02	2025-05-07	2028-05-06
Signal Analyzer	Rohde & Schwarz	FSV40	SEM008-04	2025-03-04	2026-03-03
Horn Antenna	Rohde&Schwarz	HF907	SEM003-07	2025-07-22	2026-07-21
Microwave system amplifier	Agilent	83017A	SEM005-25	2025-09-10	2026-09-09
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2025-07-05	2026-07-04
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	SEM003-15	2025-07-22	2027-07-21
Pre-Amplifier	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2025-03-21	2026-03-20

Radiated Emissions 30MHz-1GHz					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Loop Antenna	ETS-Lindgren	6502	SEM003-08	2025-11-17	2027-11-16
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2023-06-19	2026-06-18
MXE EMI Receiver	Agilent Technologies	N9038A	SEM004-15	2025-07-25	2026-07-24
BiConiLog Antenna	ETS-LINDGREN	3142C	SEM003-01	2025-08-29	2027-08-28
Pre-Amplifier	Agilent Technologies	8447D	SEM005-01	2025-03-04	2026-03-03
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM025-01	2025-07-05	2026-07-04



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Radiated Emissions Below 30MHz					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
10m Semi-Anechoic Chamber	SAEMC	FSAC1018	SEM001-03	2025-03-21	2026-03-20
MXE EMI receiver	KEYSIGHT	N9038A	SEM004-16	2025-07-25	2026-07-24
Trilog-Broadband Antenna	Schwarzbeck	VULB9168	SEM003-18	2025-08-29	2027-08-28
Pre-amplifier	Sonoma Instrument Co	310N	SEM005-04	2025-03-04	2026-03-03
Loop Antenna	ETS-Lindgren	6502	SEM003-08	2025-11-17	2027-11-16
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM029-01	2025-07-05	2026-07-04

Radiated Emissions Above 1GHz					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Fully-Anechoic Chamber	AUDIX	N/A	SEM001-02	2025-05-07	2028-05-06
Signal Analyzer	Rohde & Schwarz	FSV40	SEM008-04	2025-03-04	2026-03-03
Horn Antenna	Rohde&Schwarz	HF907	SEM003-07	2025-07-22	2026-07-21
Microwave system amplifier	Agilent	83017A	SEM005-25	2025-09-10	2026-09-09
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2025-07-05	2026-07-04
Signal & Spectrum Analyzer	Rohde & Schwarz	FSV	SZ-WRG-M-048	2025-01-07	2026-01-06
Low Noise Amplifier 1G-18GHz	Tonscend	TAP01018050	SZ-WRG-M-051	2025-01-08	2026-01-07
Low Noise Amplifier 18G-40GHz	Tonscend	TAP18040048	SZ-WRG-M-052	2025-01-08	2026-01-07
Double Ridge Horn Antenna 1GHz-18GHz	SCHWARZBECK	BBHA 9120 D	SZ-WRG-M-055	2023-12-21 2025-12-13	2025-12-20 2026-12-12
SHF-EHF Horn 15GHz-40GHz	SCHWARZBECK	BBHA 9170	SZ-WRG-M-056	2024-12-24 2025-12-13	2025-12-23 2026-12-12
RSE Test Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Chamber	CRTSGSSAC966	N/A	SZ-WRG-C-063	2025-01-06	2028-01-05
Humidity and Temperature Indicator	deli	8838	SEM002-46	2025-07-23	2026-07-22



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General used equipment					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	deli	8838	SEM002-32	2025-07-23	2026-07-22
Humidity/ Temperature Indicator	deli	8838	SEM002-33	2025-07-23	2026-07-22
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2025-03-03	2026-03-02



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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

6.1.2 Conclusion

15.203 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.

EUT Antenna:

The antenna is integrated on the main PCB and no consideration of replacement.

Antenna location: Refer to Internal photos



7 Radio Spectrum Matter Test Results

7.1 Field Strength of the Fundamental Signal (15.249(a))

Test Requirement 47 CFR Part 15, Subpart C 15.249(a)
 Test Method: ANSI C63.10 (2020) Section 6.5&6.6
 Measurement Distance: 3m
 Test Engineer: Tommy Luo

Limit:

Fundamental frequency(MHz)	Field strength of fundamental(millivolts/meter)	Field strength of harmonics(microvolts/meter)
902-928	50	500
2400-2483.5	50	500
5725-5875	50	500
24000-24250	250	2500

Remark: The frequencies above 1000MHz 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 fundamental frequency in "902-928MHz", the field strength of fundamental is based on Quasi-Peak.

7.1.1 E.U.T. Operation

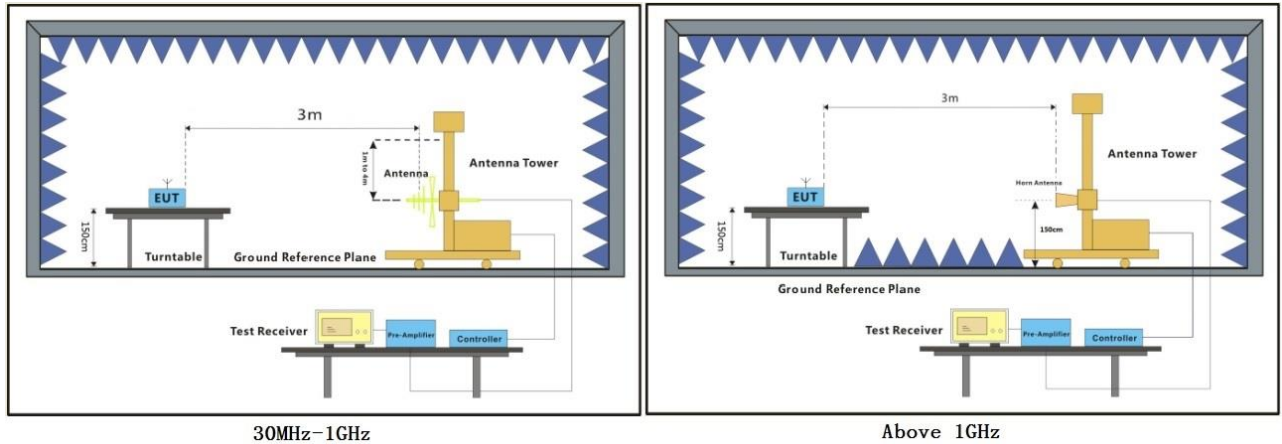
Operating Environment:

Temperature: 20.1 °C Humidity: 51.3 % RH Atmospheric Pressure: 1020 mbar

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in transmitting with modulation mode.

7.1.3 Test Setup Diagram



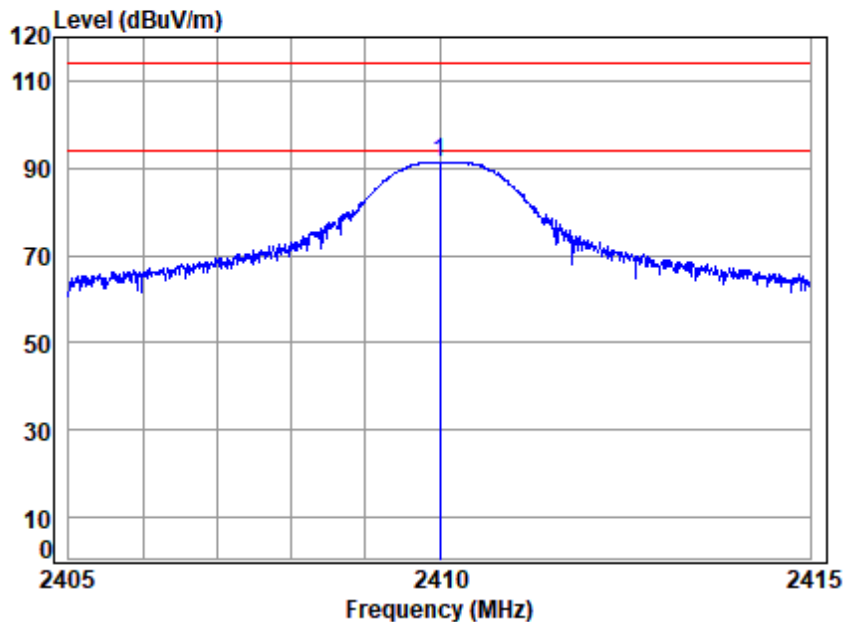
7.1.4 Measurement Procedure and Data

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



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



Site : chamber

Condition: 3m HORIZONTAL

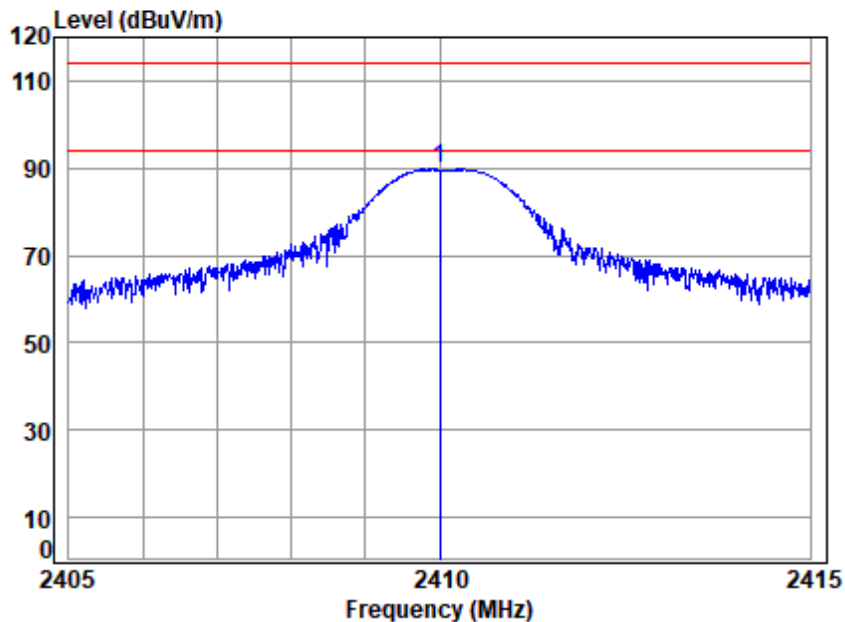
Job No : 05490ET/05491ET

Mode : 2410 Field Strength

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2410.00	5.23	27.36	33.15	91.82	91.26	114.00	-22.74 Peak



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



Site : chamber

Condition: 3m VERTICAL

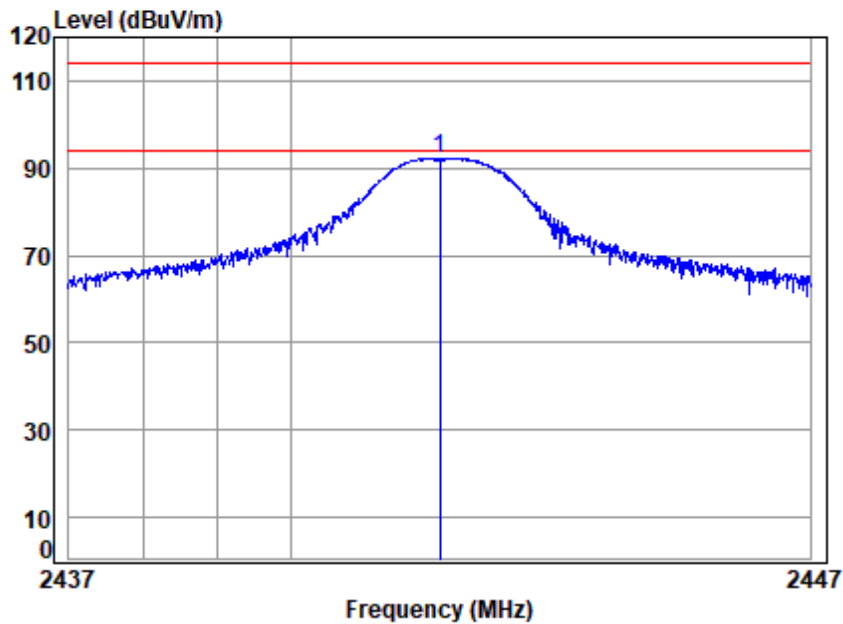
Job No : 05490ET/05491ET

Mode : 2410 Field Strength

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2410.00	5.23	27.36	33.15	90.34	89.78	114.00	-24.22 Peak



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



Site : chamber

Condition: 3m HORIZONTAL

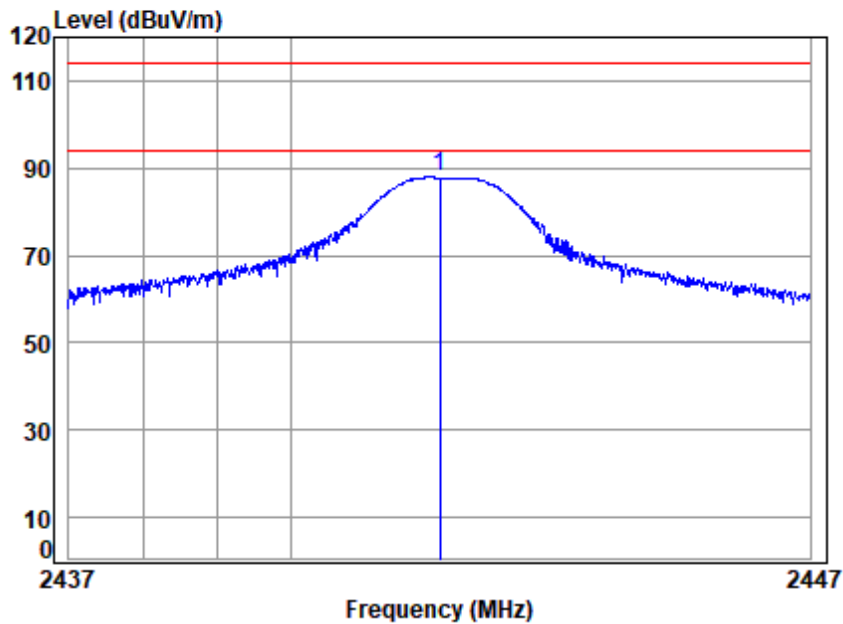
Job No : 05490ET/05491ET

Mode : 2442 Field Strength

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2442.00	5.26	27.55	33.17	92.55	92.19	114.00	-21.81 Peak



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



Site : chamber

Condition: 3m VERTICAL

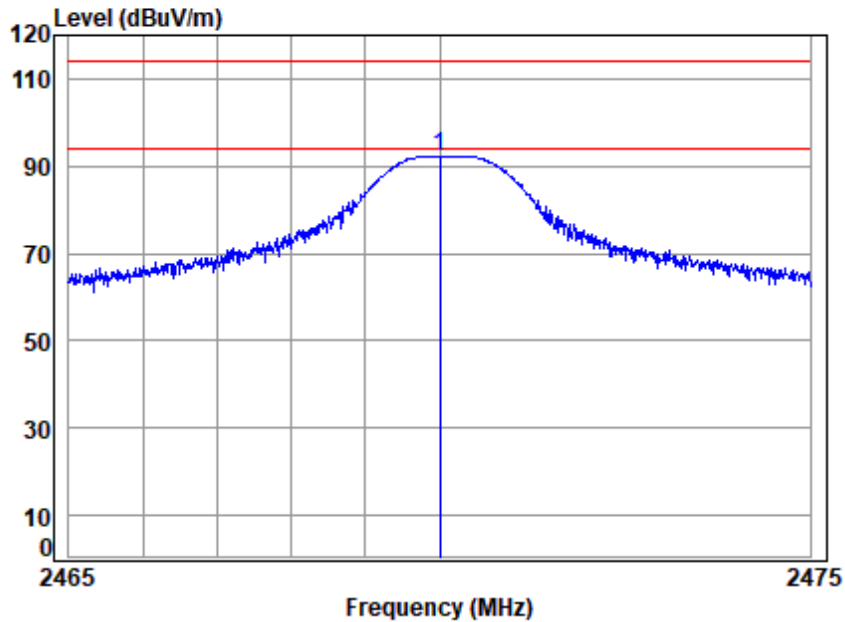
Job No : 05490ET/05491ET

Mode : 2442 Field Strength

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2442.00	5.26	27.55	33.17	88.26	87.90	114.00	-26.10 Peak



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



Site : chamber

Condition: 3m HORIZONTAL

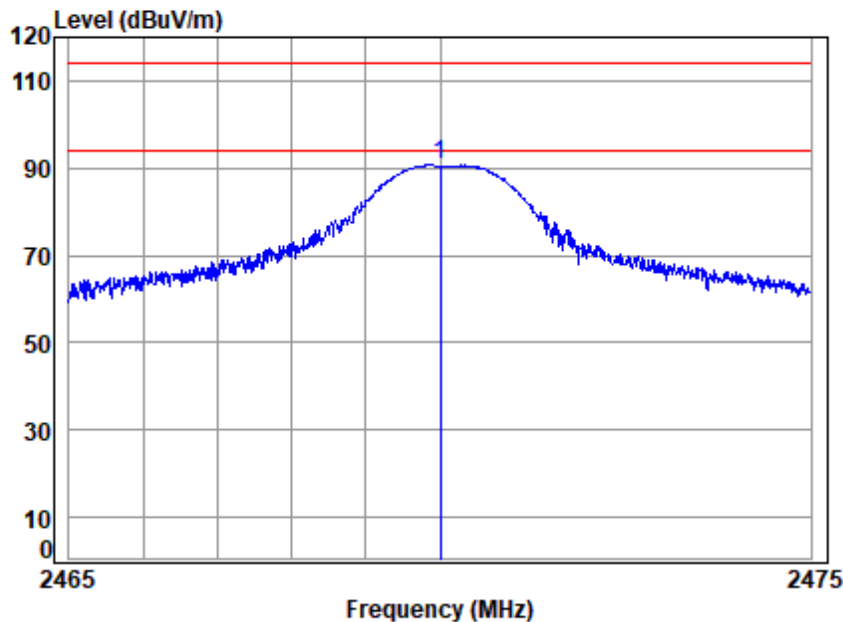
Job No : 05490ET/05491ET

Mode : 2470 Field Strength

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	2470.00	5.28	27.68	33.18	92.61	92.39	114.00	-21.61 Peak



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



Site : chamber

Condition: 3m VERTICAL

Job No : 05490ET/05491ET

Mode : 2470 Field Strength

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2470.00	5.28	27.68	33.18	90.84	90.62	114.00	-23.38 Peak

Remark:

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

Final Test Level =Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor

2) The peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20dB under any condition of modulation. So, only the above measurement data were shown in the report.



7.2 Restricted Band Around Fundamental Frequency

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.249(d) & 15.209
 Test Method: ANSI C63.10 (2020) Section 6.10.5
 Measurement Distance: 3m
 Test Engineer: Tommy Luo

Limit:

Frequency	Limit (dBuV/m @3m)	Remark
30MHz-88MHz	40.0	Quasi-peak Value
88MHz-216MHz	43.5	Quasi-peak Value
216MHz-960MHz	46.0	Quasi-peak Value
960MHz-1GHz	54.0	Quasi-peak Value
Above 1GHz	54.0	Average Value
Above 1GHz	74.0	Peak Value

Emission radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.

7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 23.6 °C Humidity: 51.9 % RH Atmospheric Pressure: 1020 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in transmitting with modulation mode.

Average value:

Calculate Formula:	Average value=Peak value + PDCF
	PDCF=20 log(Duty cycle)
	Duty cycle= T on time / T period
Test data:	Ton time =19.8ms
	T period =120.0ms
	Duty cycle=16.5%
	PDCF value= -15.65dB

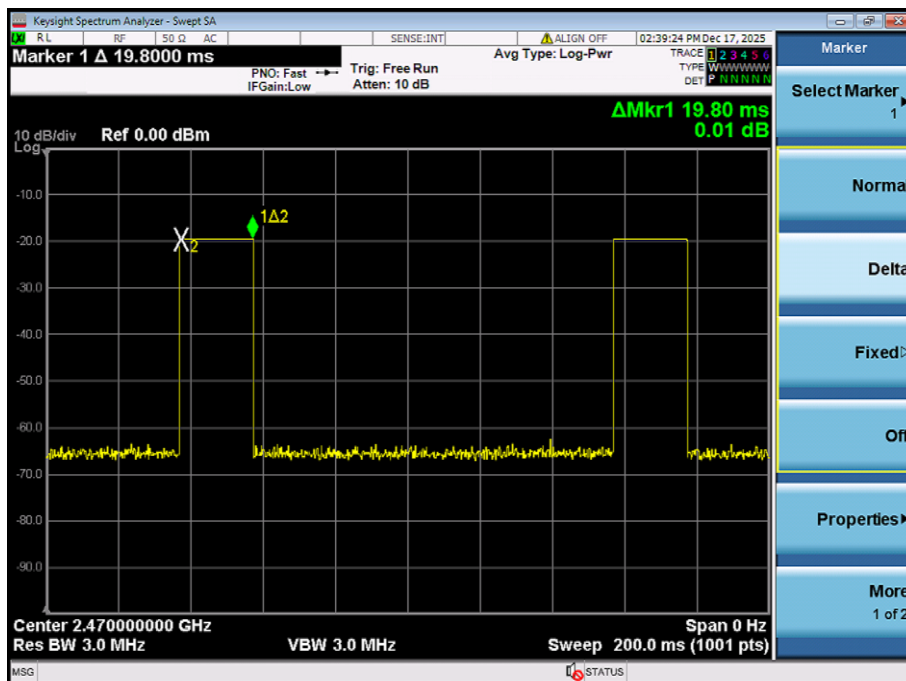
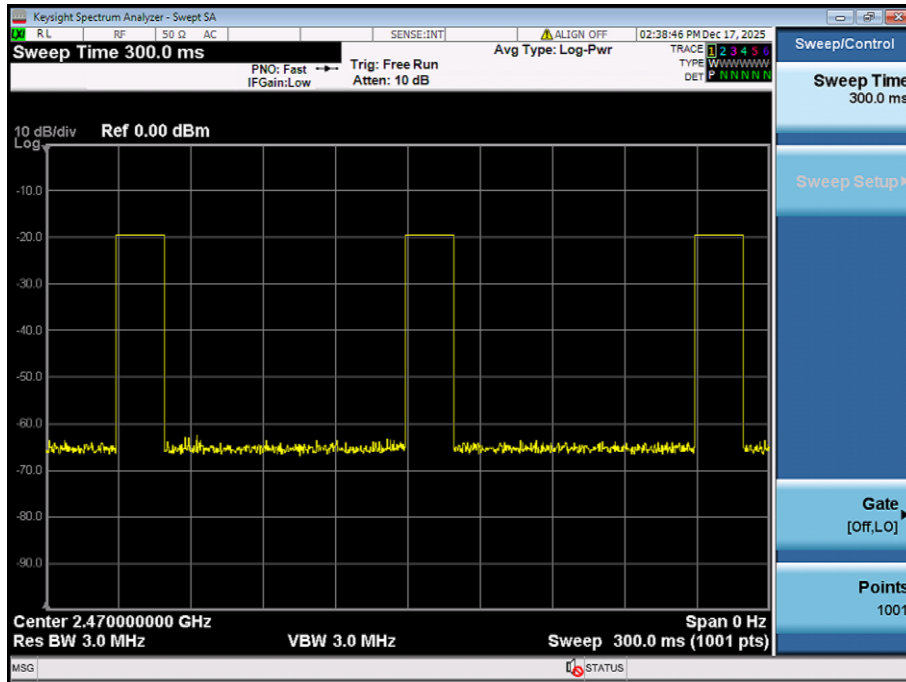


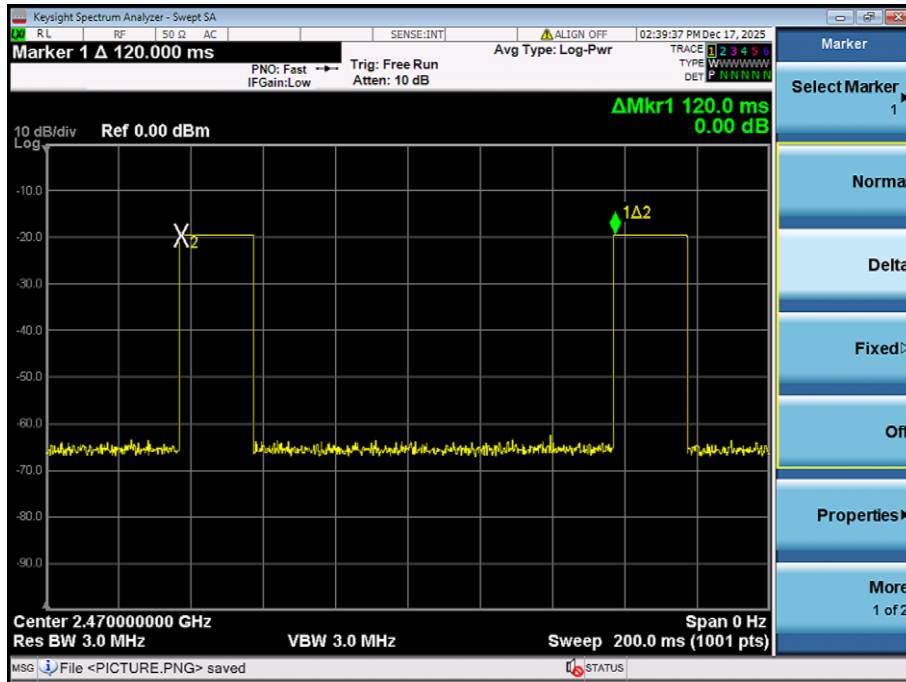
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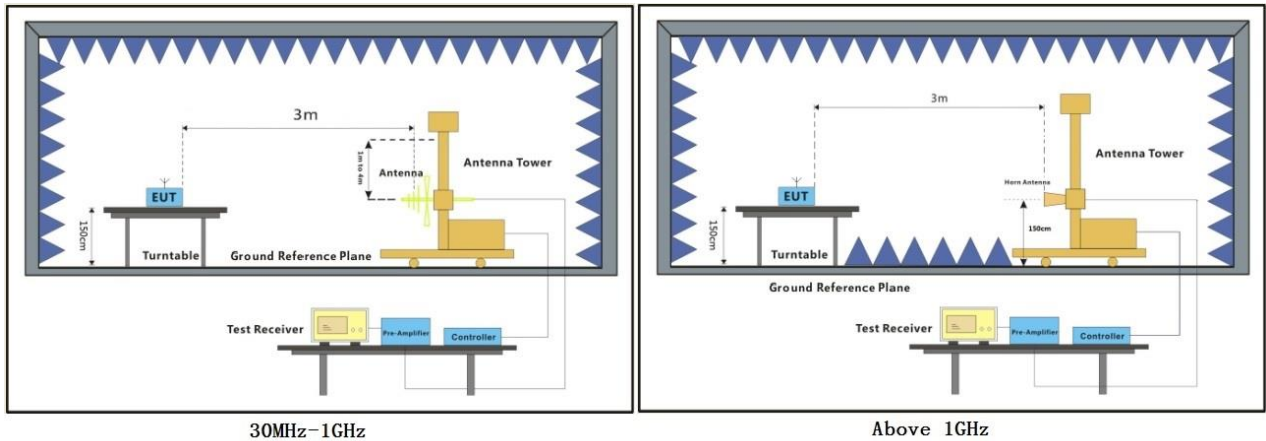
Report No.: SZCR251200549002

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7.2.3 Test Setup Diagram



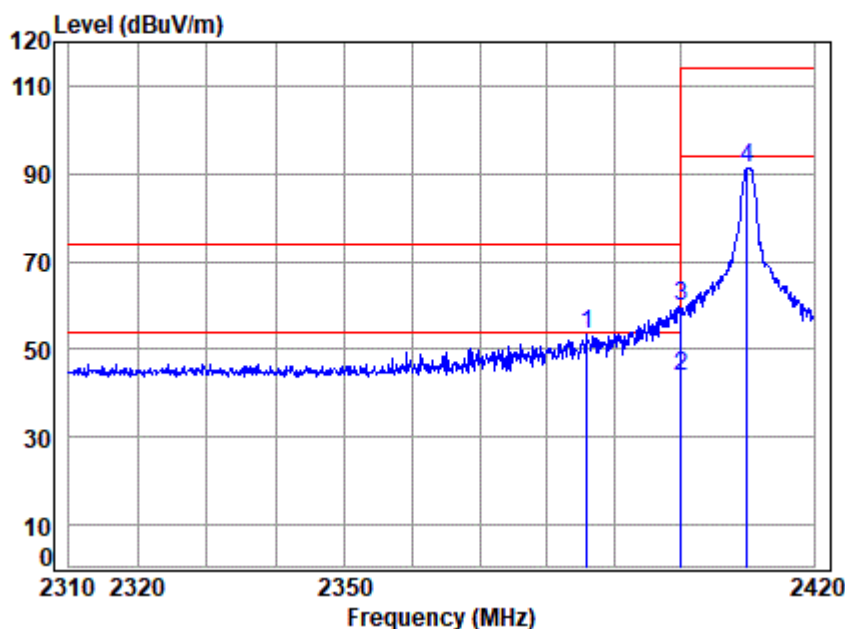
7.2.4 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.

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



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



Site : chamber

Condition: 3m HORIZONTAL

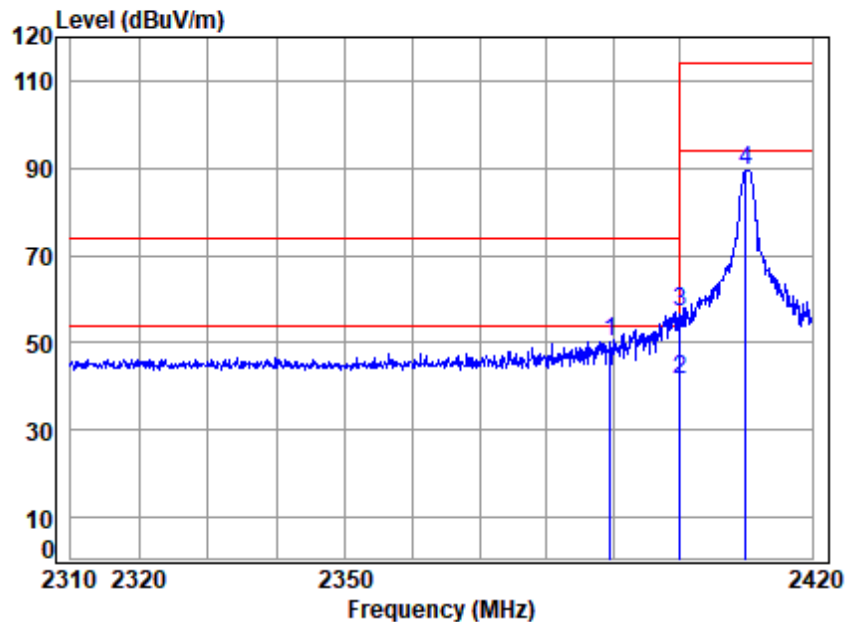
Job No : 05490ET/05491ET

Mode : 2410 Band edge

		Cable	Ant	Preamp	Read	Limit	Over	
Freq		Loss	Factor	Factor	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	2385.91	5.21	27.24	33.14	54.04	53.35	74.00	-20.65 Peak
2	2400.00	5.22	27.30	33.14	44.65	44.03	54.00	-9.97 Average
3	2400.00	5.22	27.30	33.14	60.30	59.68	74.00	-14.32 peak
4	2410.00	5.23	27.36	33.15	91.85	91.22	114.00	-22.78 peak



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



Site : chamber

Condition: 3m VERTICAL

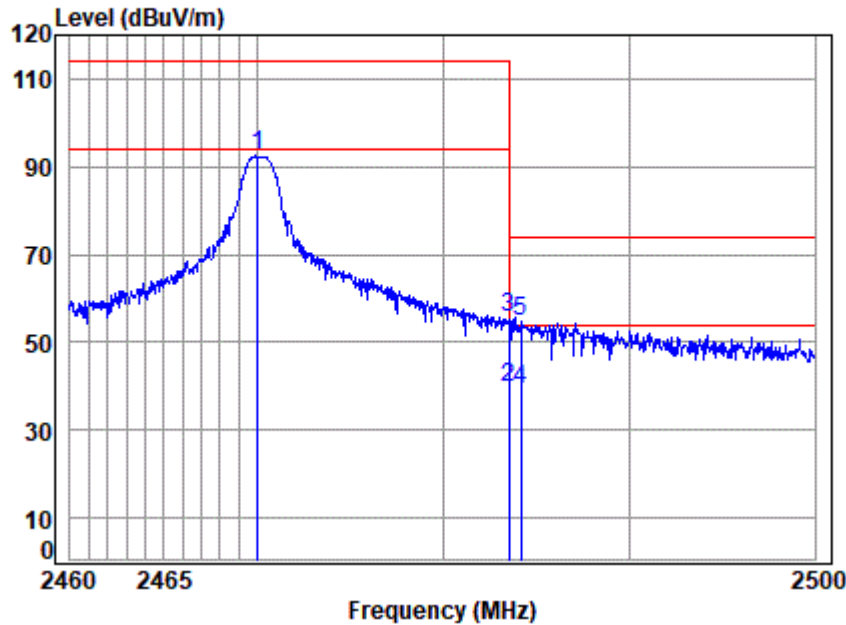
Job No : 05490ET/05491ET

Mode : 2410 Band edge

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.57	5.21	27.26	33.14	50.90	50.23	74.00	-23.77	Peak
2	2400.00	5.22	27.30	33.14	42.18	41.56	54.00	-12.44	Average
3	2400.00	5.22	27.30	33.14	57.83	57.21	74.00	-16.79	peak
4	2410.00	5.23	27.36	33.15	90.14	89.58	114.00	-24.42	peak



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



Site : chamber

Condition: 3m HORIZONTAL

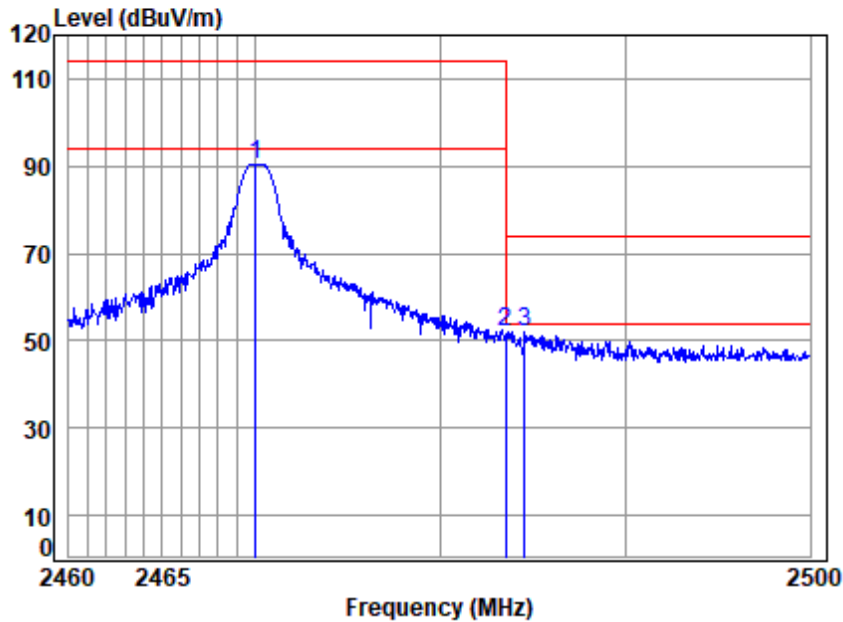
Job No : 05490ET/05491ET

Mode : 2470 Band edge

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	2470.00	5.28	27.68	33.18	92.64	92.25	114.00	-21.75 peak
2	2483.50	5.29	27.74	33.19	39.95	39.79	54.00	-14.21 Average
3	2483.50	5.29	27.74	33.19	55.60	55.44	74.00	-18.56 peak
4	2484.16	5.29	27.74	33.19	39.41	39.25	54.00	-14.75 Average
5	2484.16	5.29	27.74	33.19	55.06	54.90	74.00	-19.10 Peak



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



Site : chamber

Condition: 3m VERTICAL

Job No : 05490ET/05491ET

Mode : 2470 Band edge

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	2470.00	5.28	27.68	33.18	90.75	90.53	114.00	-23.47 peak
2	2483.50	5.29	27.74	33.19	52.22	52.06	74.00	-21.94 peak
3	2484.52	5.29	27.74	33.19	52.35	52.19	74.00	-21.81 Peak



7.3 Radiated Emissions Below 1GHz

Test Requirement 47 CFR Part 15, Subpart C 15.209 & 15.249 (a),(d)
 Test Method: ANSI C63.10 (2020) Section 6.4&6.5
 Measurement Distance: 3m
 Test Engineer: Mason Wu

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

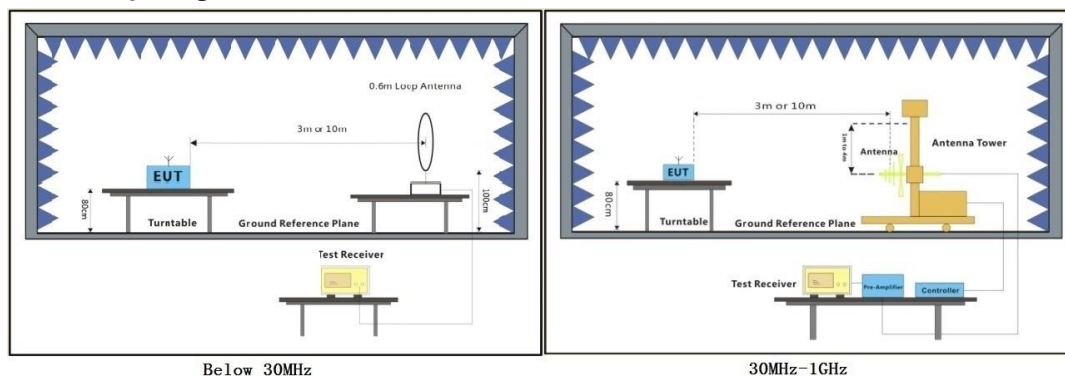
Operating Environment:

Temperature: 21.4 °C Humidity: 51.6 % RH Atmospheric Pressure: 1020 mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in transmitting with modulation mode.

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 semi-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 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+ Aux Factor (if applicable)

The aux factor needs to be added for the frequency below 30MHz once a closer distance used.

Aux Factor = 40 dB/decade of distance, the aux factor is $40\log(3/300) = -80\text{dB}$ (for 3 meter test distance).

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. Scan from 30MHz-1GHz, the disturbance below 1GHz was very low and the harmonics were the highest point could be found when testing, so only the worst-case test curve is displayed.



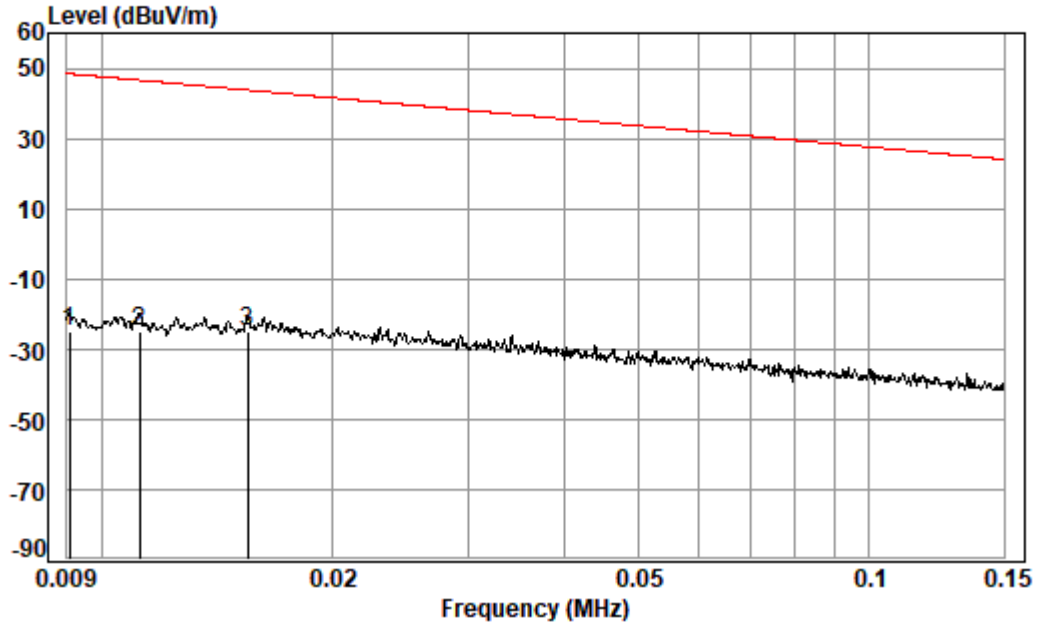
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Test Mode: 00; Polarity: Coaxial



Condition: 3m

Job No. : 05490ET

Test Mode: 00

: coaxial

	Read	Ant	Cable	Preamp		Limit	Over	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	0.009	67.08	19.03	0.10	31.11	-24.90	48.43	-73.33 Average
2	0.011	68.69	17.66	0.10	31.25	-24.80	46.59	-71.39 Average
3 pp	0.015	70.68	15.76	0.11	31.48	-24.93	43.79	-68.72 Average



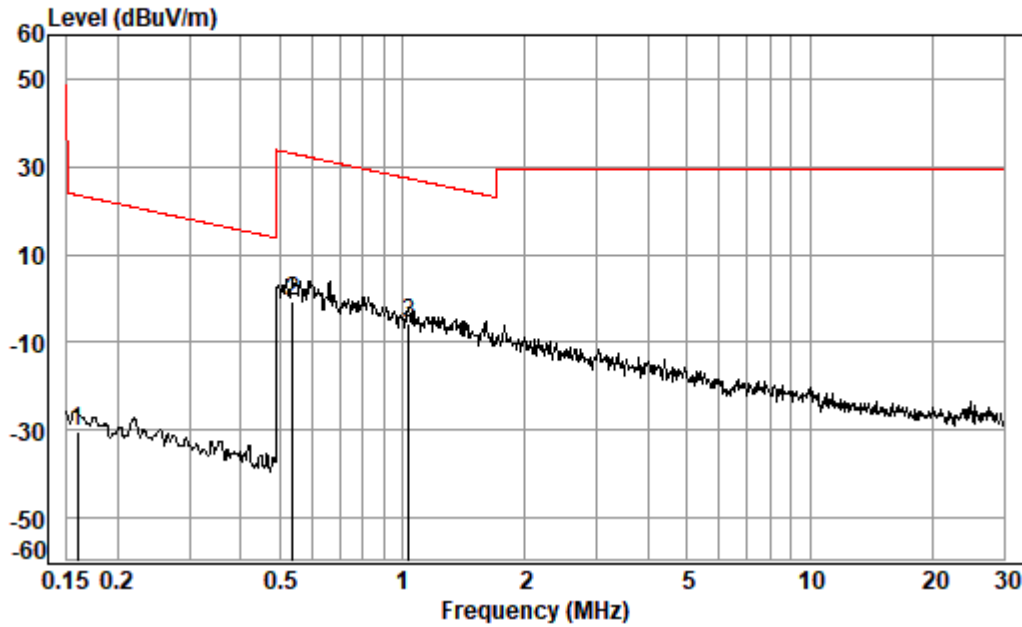
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Test Mode: 00; Polarity: Coaxial



Condition: 3m

Job No. : 05490ET

Test Mode: 00

: coaxial

		Read	Ant	Cable	Preamp		Limit	Over	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	av	0.159	71.45	10.49	0.15	32.40	-30.31	23.57	-53.88 Average
2		0.538	61.20	10.37	0.29	32.51	-0.65	32.99	-33.64 QP
3	pp	1.037	56.23	10.34	0.36	32.60	-5.67	27.30	-32.97 QP



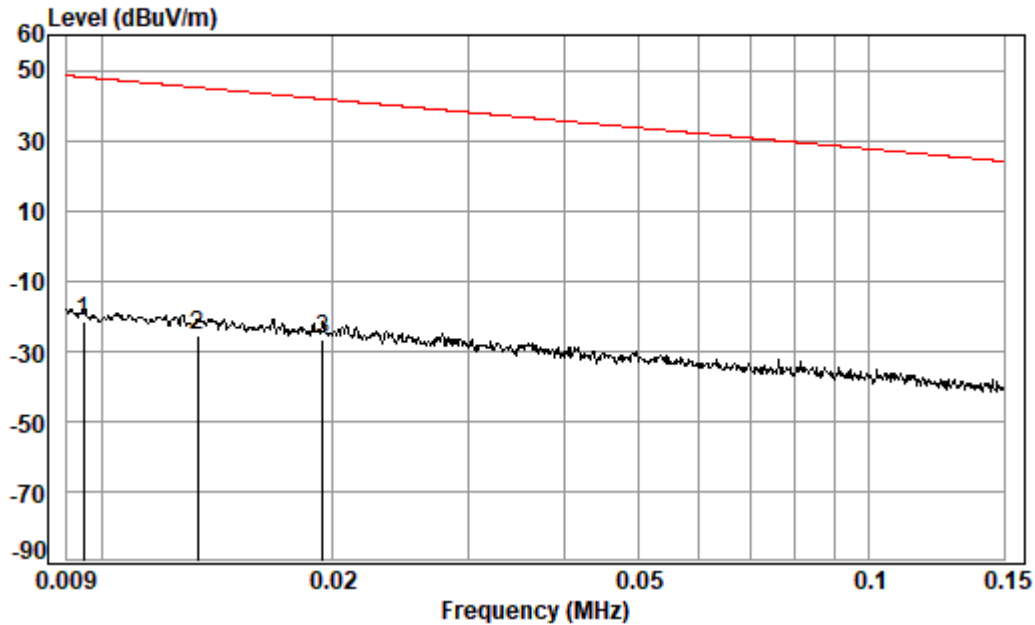
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Test Mode: 00; Polarity: Coplanar



Condition: 3m

Job No. : 05490ET

Test Mode: 00

: coplanar

	Read	Ant	Cable	Preamp		Limit	Over	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	0.009	70.53	18.68	0.10	31.14	-21.83	48.06	-69.89 Average
2	0.013	68.78	16.71	0.11	31.38	-25.78	45.08	-70.86 Average
3 pp	0.019	70.78	14.02	0.11	31.64	-26.73	41.83	-68.56 Average



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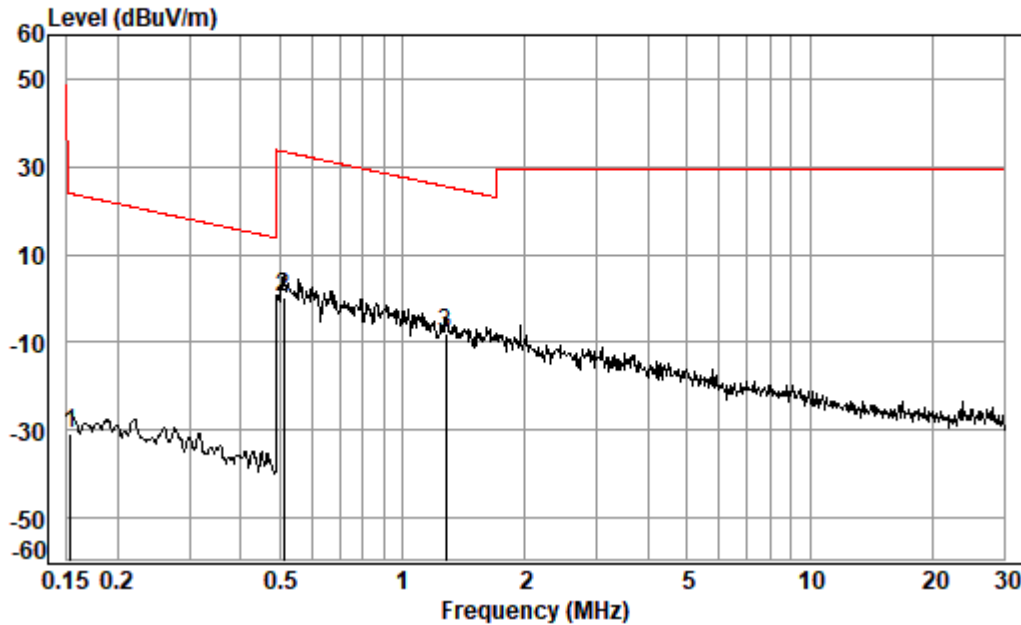
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251200549002

Page: 35 of 51

Test Mode: 00; Polarity: Coplanar



Condition: 3m

Job No. : 05490ET

Test Mode: 00

: coplanar

		Read	Ant	Cable	Preamp		Limit	Over	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	av	0.153	71.09	10.50	0.14	32.40	-30.67	23.89	-54.56 Average
2	pp	0.510	62.08	10.37	0.28	32.50	0.23	33.45	-33.22 QP
3		1.276	54.01	10.26	0.39	32.58	-7.92	25.51	-33.43 QP



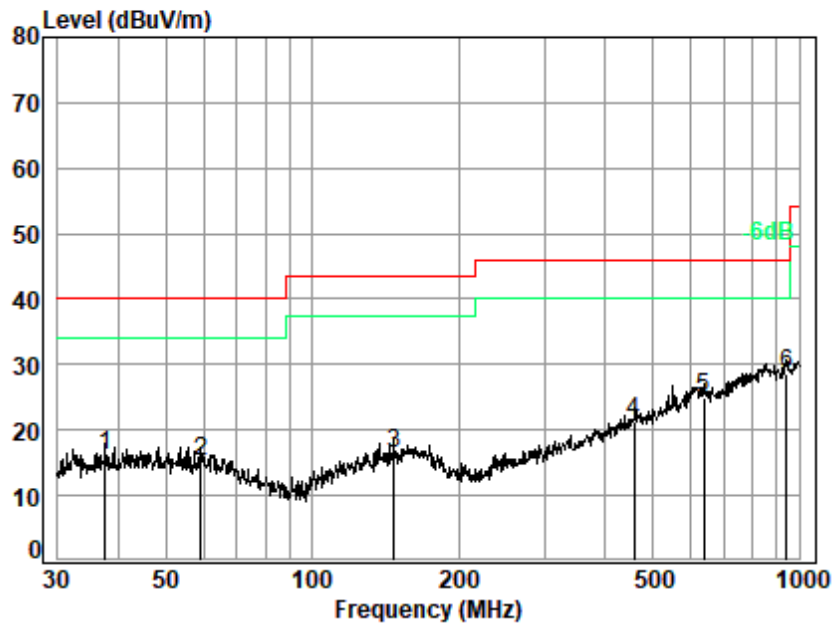
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Test Mode: 00; Polarity: Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 05490ET
Mode : 00

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	37.55	0.73	17.50	27.72	25.47	15.98	40.00	-24.02	QP
2	59.03	0.91	11.59	27.67	30.50	15.33	40.00	-24.67	QP
3	146.89	1.49	12.67	27.36	29.65	16.45	43.50	-27.05	QP
4	459.11	2.76	21.34	27.71	25.04	21.43	46.00	-24.57	QP
5	636.13	3.32	24.59	28.10	25.25	25.06	46.00	-20.94	QP
6	942.13	4.20	28.19	26.91	23.10	28.58	46.00	-17.42	QP



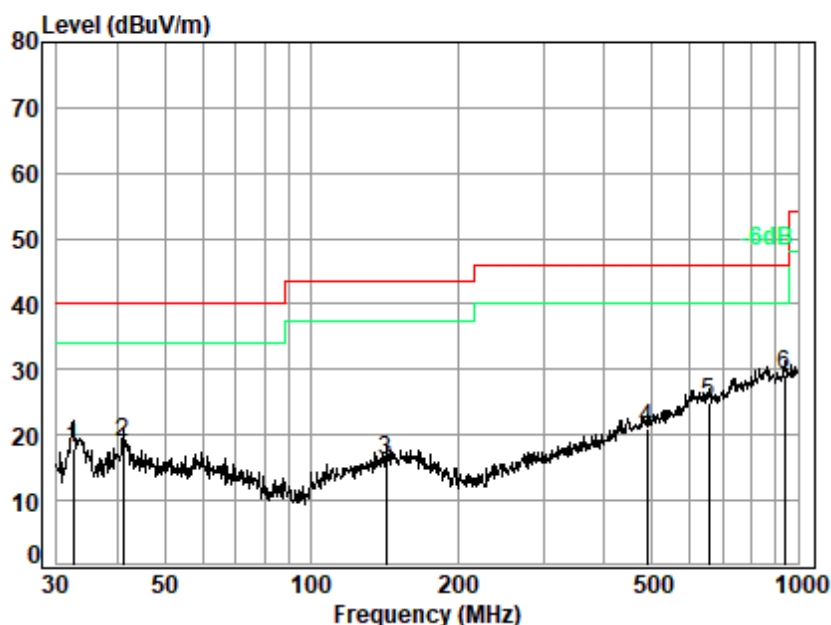
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251200549002

Page: 37 of 51

Test Mode: 00; Polarity: Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 05490ET
Mode : 00

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	32.41	0.67	20.11	27.73	25.05	18.10	40.00	-21.90	QP
2	40.99	0.76	15.91	27.71	29.95	18.91	40.00	-21.09	QP
3	142.32	1.46	12.07	27.38	30.02	16.17	43.50	-27.33	QP
4	489.03	2.86	22.85	27.83	23.15	21.03	46.00	-24.97	QP
5	654.23	3.38	24.97	28.04	24.66	24.97	46.00	-21.03	QP
6	938.83	4.19	28.15	26.92	23.82	29.24	46.00	-16.76	QP



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7.4 Radiated Emissions Above 1GHz

Test Requirement 47 CFR Part 15, Subpart C 15.209 & 15.249 (a),(d)
 Test Method: ANSI C63.10 (2020) Section 6.6
 Measurement Distance: 3m
 Test Engineer: Tommy Luo

Limit:

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

7.4.1 E.U.T. Operation

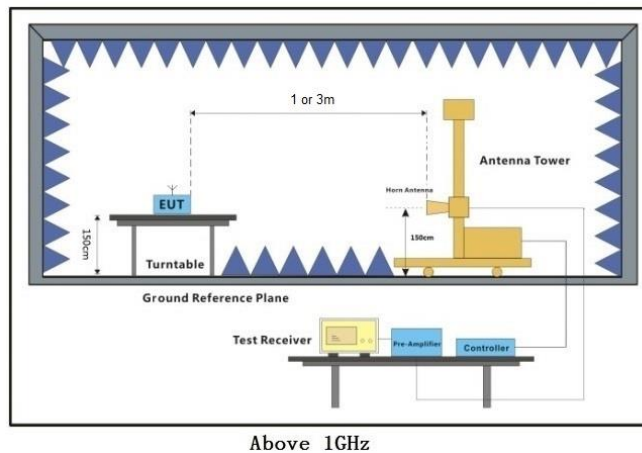
Operating Environment:

Temperature: 21.4 °C Humidity: 51.8 % RH Atmospheric Pressure: 1020 mbar

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in transmitting with modulation mode.

7.4.3 Test Setup Diagram



7.4.4 Measurement Procedure and Data

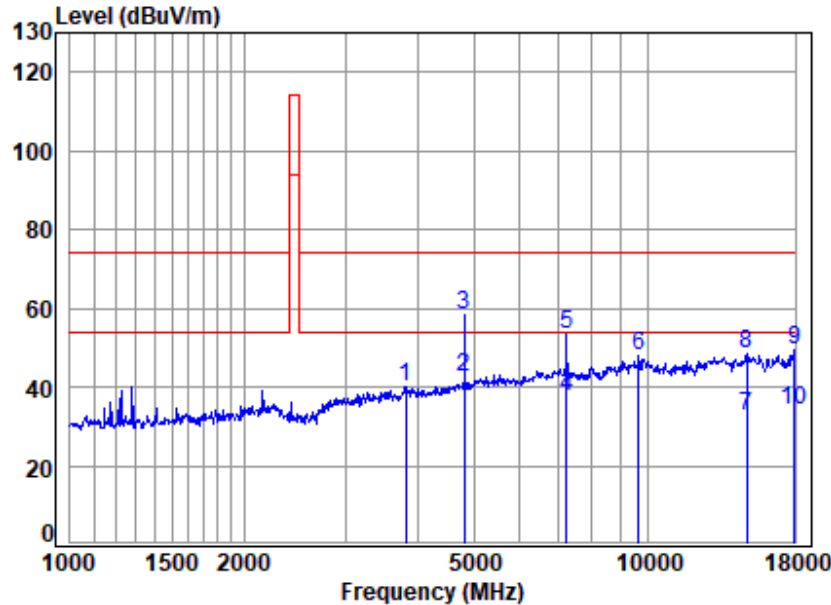
- a. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation. The EUT was set 3 meters away from the interference-receiving antenna from 1GHz to 18GHz, and 1 meter away from the interference-receiving antenna above 18GHz.
- b. The interference-receiving antenna 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+ Aux Factor (if applicable)
The aux factor needs to be added for the frequency above 18GHz once a closer distance used.
Aux Factor = 20 dB/decade of distance, the aux factor is $20\log(1/3) = -9.54\text{dB}$ (for 1 meter test distance).
2. Scan from 1GHz to 10th harmonic of the highest frequency or 40 GHz, whichever is lower, 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.
4. The disturbance above 18GHz were very low and the harmonics were the highest point could be found when testing, so only the worst-case test curve is displayed.

1GHz-18GHz:

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

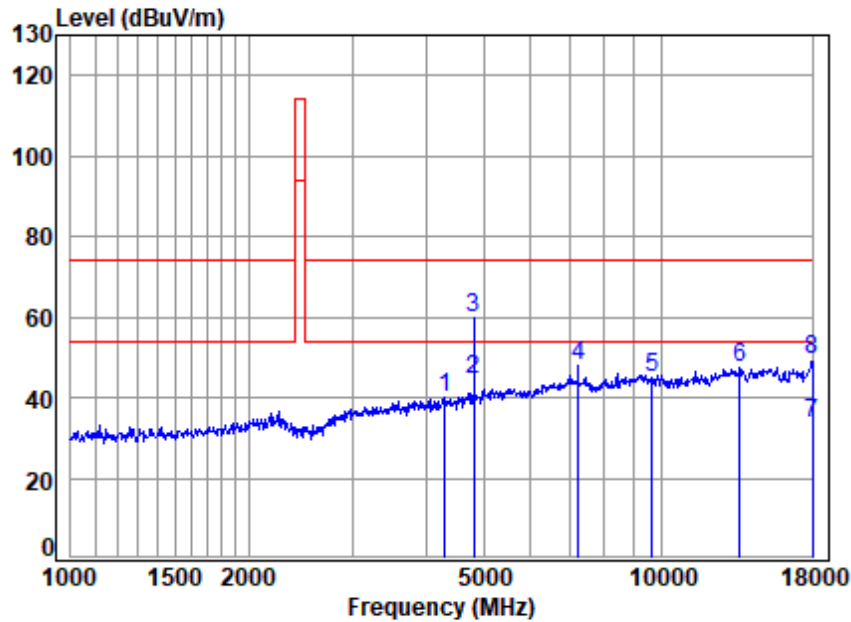


Site : chamber
Condition: 3m HORIZONTAL
Job No : 05490ET/05491ET
Mode : 2410 TX RSE

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	3812.34	7.65	30.20	52.82	54.96	39.99	74.00	-34.01	peak
2	4820.00	8.39	31.76	53.22	55.62	42.55	54.00	-11.45	Average
3	4820.00	8.39	31.76	53.22	71.27	58.20	74.00	-15.80	peak
4	7230.00	8.33	36.20	53.42	46.49	37.60	54.00	-16.40	Average
5	7230.00	8.33	36.20	53.42	62.14	53.25	74.00	-20.75	peak
6	9640.00	11.73	38.78	54.00	51.47	47.98	74.00	-26.02	peak
7	14830.96	12.15	40.12	53.43	33.87	32.71	54.00	-21.29	Average
8	14830.96	12.15	40.12	53.43	49.52	48.36	74.00	-25.64	peak
9	17948.05	14.72	42.38	51.73	44.26	49.63	74.00	-24.37	Peak
10	17948.05	14.72	42.38	51.73	28.61	33.98	54.00	-20.02	Average



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



Site : chamber

Condition: 3m VERTICAL

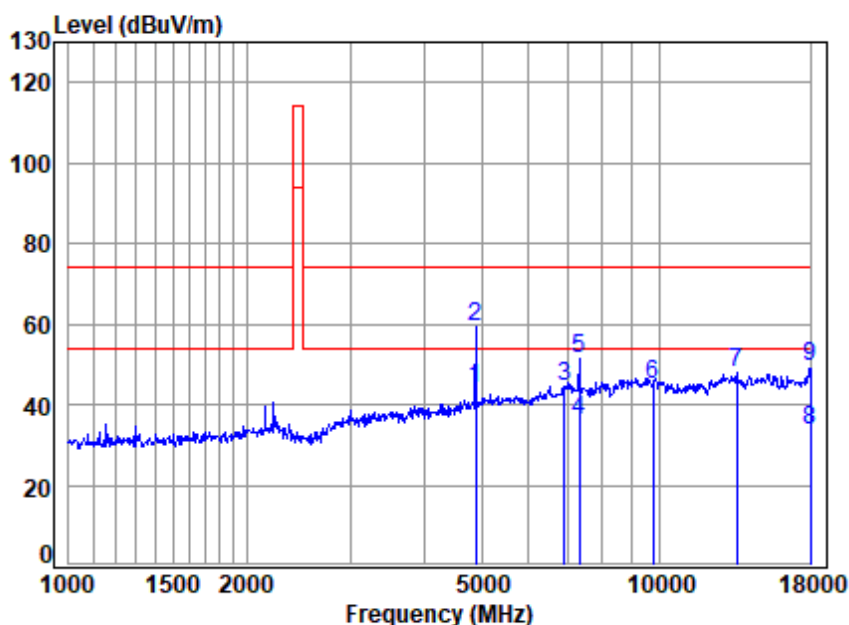
Job No : 05490ET/05491ET

Mode : 2410 TX RSE

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	4304.40	7.75	31.01	52.96	54.15	39.95	74.00	-34.05 peak
2	4820.00	8.39	31.76	53.22	57.47	44.40	54.00	-9.60 Average
3	4820.00	8.39	31.76	53.22	73.12	60.05	74.00	-13.95 peak
4	7230.00	8.33	36.20	53.42	56.81	47.92	74.00	-26.08 peak
5	9640.00	11.73	38.78	54.00	48.39	44.90	74.00	-29.10 peak
6	13559.88	12.01	40.62	54.10	48.92	47.45	74.00	-26.55 peak
7	18000.00	14.74	42.90	51.70	27.64	33.58	54.00	-20.42 Average
8	18000.00	14.74	42.90	51.70	43.29	49.23	74.00	-24.77 Peak



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

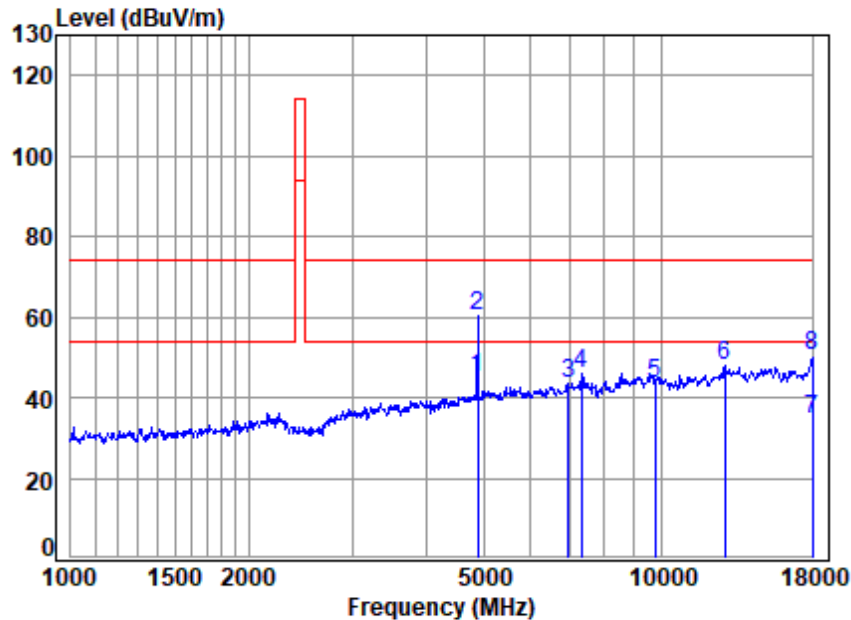


Site : chamber
Condition: 3m HORIZONTAL
Job No : 05490ET/05491ET
Mode : 2442 TX RSE

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	4884.00	8.53	31.90	53.25	56.58	43.76	54.00	-10.24 Average
2	4884.00	8.53	31.90	53.25	72.23	59.41	74.00	-14.59 peak
3	6914.76	8.22	35.72	53.18	53.91	44.67	74.00	-29.33 peak
4	7326.00	8.34	36.35	53.51	44.67	35.85	54.00	-18.15 Average
5	7326.00	8.34	36.35	53.51	60.32	51.50	74.00	-22.50 peak
6	9768.00	11.74	38.26	54.00	48.85	44.85	74.00	-29.15 peak
7	13520.74	12.07	40.54	54.10	49.29	47.80	74.00	-26.20 Peak
8	18000.00	14.74	42.90	51.70	27.78	33.72	54.00	-20.28 Average
9	18000.00	14.74	42.90	51.70	43.43	49.37	74.00	-24.63 Peak



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



Site : chamber

Condition: 3m VERTICAL

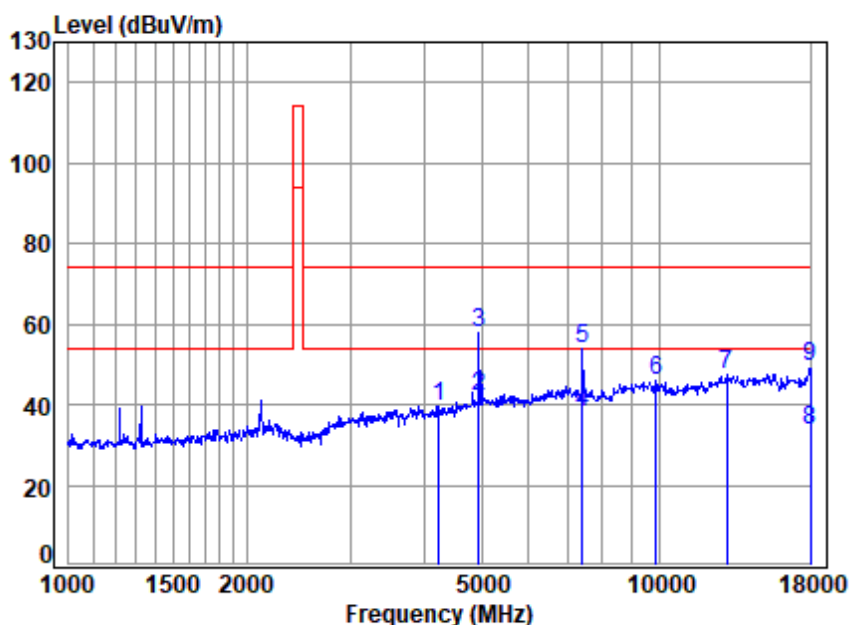
Job No : 05490ET/05491ET

Mode : 2442 TX RSE

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	4884.00	8.53	31.90	53.25	57.59	44.77	54.00	-9.23 Average
2	4884.00	8.53	31.90	53.25	73.24	60.42	74.00	-13.58 peak
3	6954.85	8.26	35.99	53.19	52.39	43.45	74.00	-30.55 peak
4	7326.00	8.34	36.35	53.51	54.95	46.13	74.00	-27.87 peak
5	9768.00	11.74	38.26	54.00	47.52	43.52	74.00	-30.48 peak
6	12798.24	12.60	39.19	54.14	50.26	47.91	74.00	-26.09 Peak
7	18000.00	14.74	42.90	51.70	28.60	34.54	54.00	-19.46 Average
8	18000.00	14.74	42.90	51.70	44.25	50.19	74.00	-23.81 Peak



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



Site : chamber

Condition: 3m HORIZONTAL

Job No : 05490ET/05491ET

Mode : 2470 TX RSE

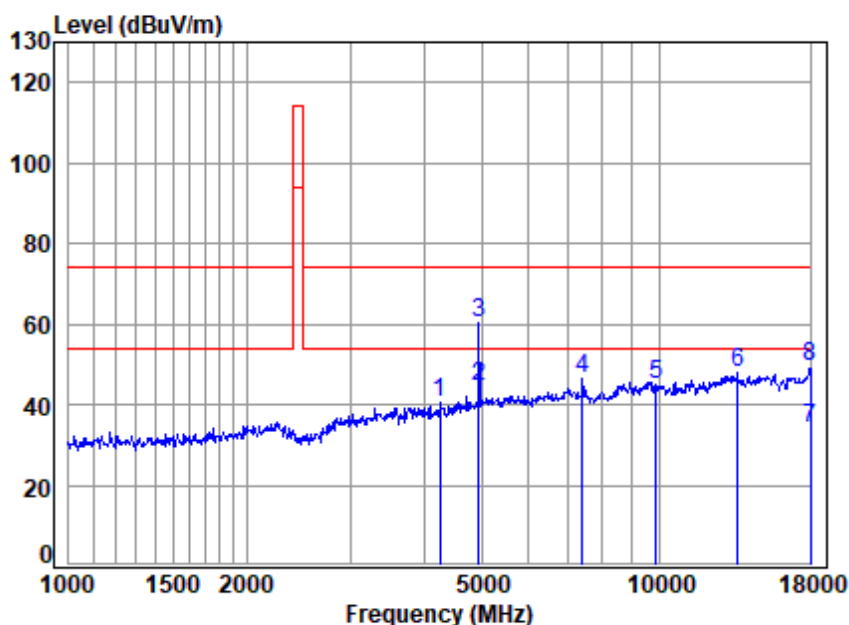
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	4230.40	7.79	30.78	52.93	53.85	39.49	74.00	-34.51	peak
2	4940.00	8.66	32.16	53.27	54.54	42.09	54.00	-11.91	Average
3	4940.00	8.66	32.16	53.27	70.19	57.74	74.00	-16.26	peak
4	7410.00	8.34	37.00	53.58	46.36	38.12	54.00	-15.88	Average
5	7410.00	8.34	37.00	53.58	62.01	53.77	74.00	-20.23	peak
6	9880.00	11.74	38.58	54.00	49.46	45.78	74.00	-28.22	peak
7	12984.54	12.61	39.42	54.10	49.46	47.39	74.00	-26.61	peak
8	18000.00	14.74	42.90	51.70	27.81	33.75	54.00	-20.25	Average
9	18000.00	14.74	42.90	51.70	43.46	49.40	74.00	-24.60	Peak



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



Site : chamber

Condition: 3m VERTICAL

Job No : 05490ET/05491ET

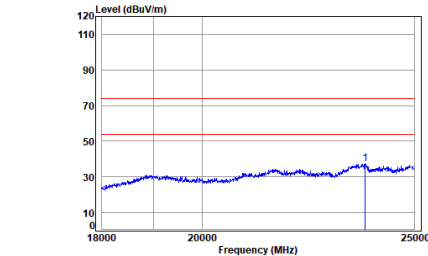
Mode : 2470 TX RSE

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	4254.92	7.78	30.91	52.94	54.57	40.32	74.00	-33.68	peak
2	4940.00	8.66	32.16	53.27	57.02	44.57	54.00	-9.43	Average
3	4940.00	8.66	32.16	53.27	72.67	60.22	74.00	-13.78	peak
4	7410.00	8.34	37.00	53.58	54.90	46.66	74.00	-27.34	peak
5	9880.00	11.74	38.58	54.00	48.80	45.12	74.00	-28.88	peak
6	13559.88	12.01	40.62	54.10	49.30	47.83	74.00	-26.17	peak
7	18000.00	14.74	42.90	51.70	27.92	33.86	54.00	-20.14	Average
8	18000.00	14.74	42.90	51.70	43.57	49.51	74.00	-24.49	Peak



Above 18GHz:

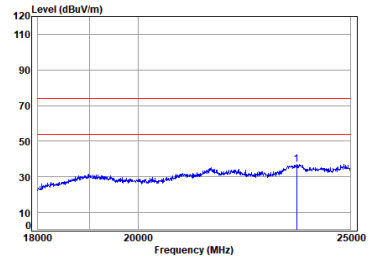
2.4G_SRD_LOW_TX_Horizontal



Condition: 3m HORIZONTAL
Job No : 05490ET/05491ET
Mode : 2410 TX RSE

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 pp23743.310	6.77	38.79	50.35	51.58	37.25	74.00	-36.75	Peak	-9.54

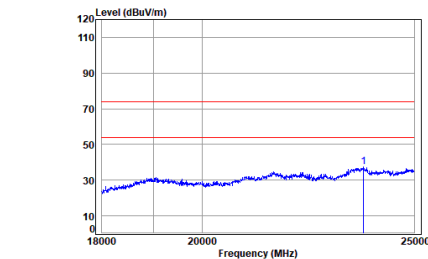
2.4G_SRD_LOW_TX_Vertical



Condition: 3m VERTICAL
Job No : 05490ET/05491ET
Mode : 2410 TX RSE

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 pp23626.600	6.77	38.55	50.33	51.48	36.93	74.00	-37.07	Peak	-9.54

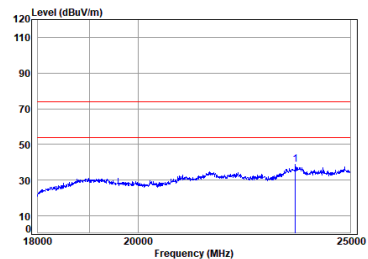
2.4G_SRD_MID_TX_Horizontal



Condition: 3m HORIZONTAL
Job No : 05490ET/05491ET
Mode : 2442 TX RSE

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 pp23704.340	6.77	38.71	50.34	51.84	37.44	74.00	-36.56	Peak	-9.54

2.4G_SRD_MID_TX_Vertical

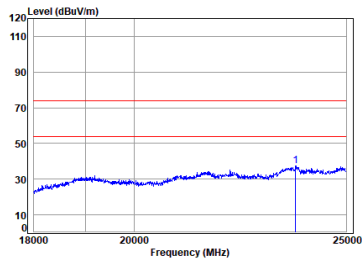


Condition: 3m VERTICAL
Job No : 05490ET/05491ET
Mode : 2442 TX RSE

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 pp23603.330	6.76	38.51	50.32	53.20	38.61	74.00	-35.39	Peak	-9.54



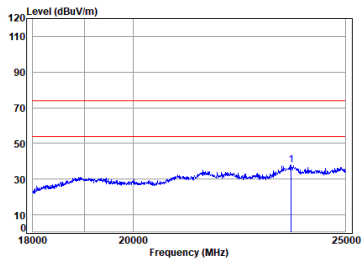
2.4G_SRD_HIGH_TX_Horizontal



Condition: 3m HORIZONTAL
Job No : 05490ET/05491ET
Mode : 2470 TX RSE

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 pp23704.340	6.77	38.71	50.34	51.93	37.53	74.00	-36.47	Peak	-9.54

2.4G_SRD_HIGH_TX_Vertical



Condition: 3m VERTICAL
Job No : 05490ET/05491ET
Mode : 2470 TX RSE

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 pp23618.840	6.76	38.54	50.32	52.43	37.87	74.00	-36.13	Peak	-9.54

7.5 20dB Bandwidth

Test Requirement 47 CFR Part 15, Subpart C 15.215
 Test Method: ANSI C63.10 (2020) Section 6.9
 Test Engineer: Mingli Hu

7.5.1 E.U.T. Operation

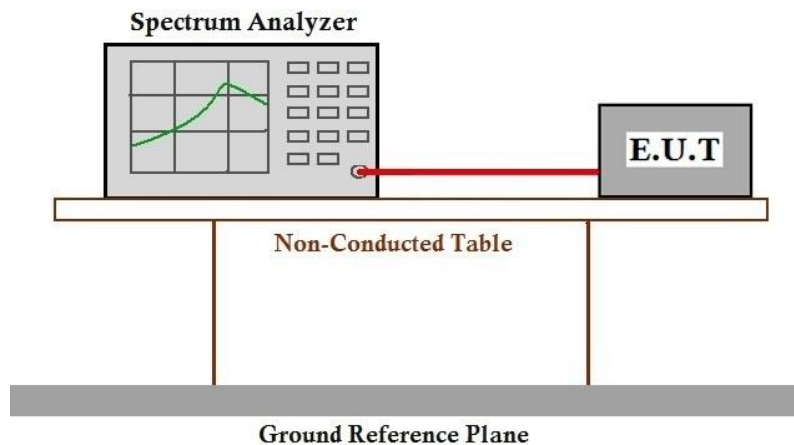
Operating Environment:

Temperature: 23.6 °C Humidity: 48.9 % RH Atmospheric Pressure: 1020 mbar

7.5.2 Test Mode Description

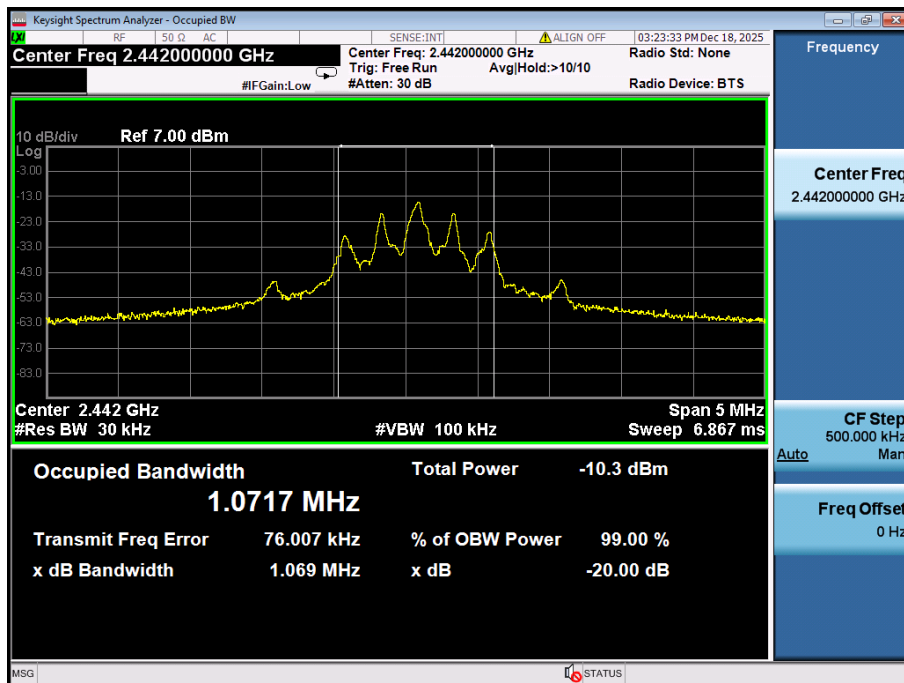
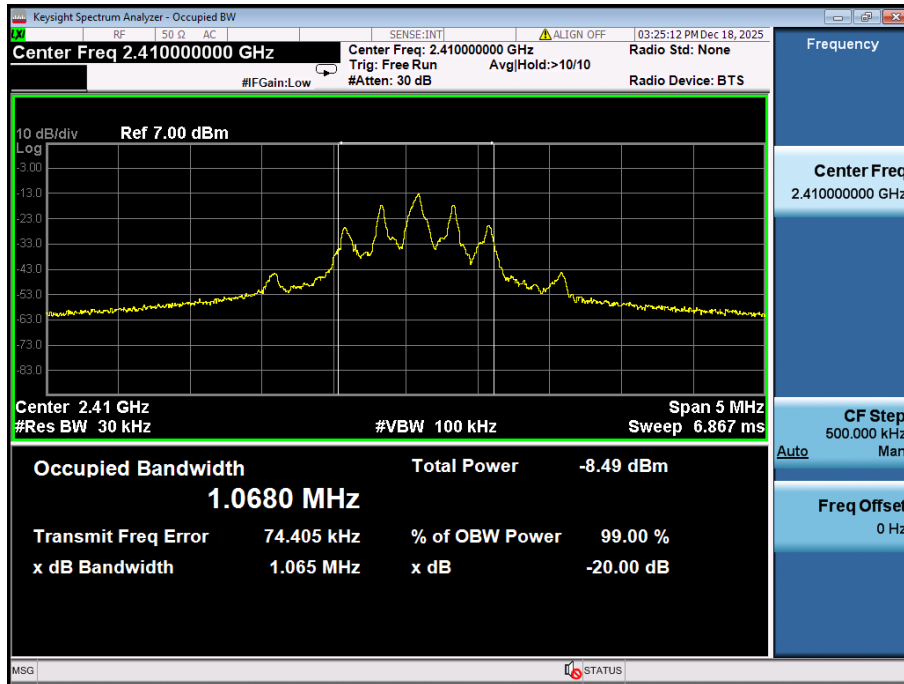
Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in transmitting with modulation mode.

7.5.3 Test Setup Diagram



7.5.4 Measurement Procedure and Data

Test channel	20dB bandwidth (MHz)	Results
Lowest	1.065	Pass
Middle	1.069	Pass
Highest	1.068	Pass

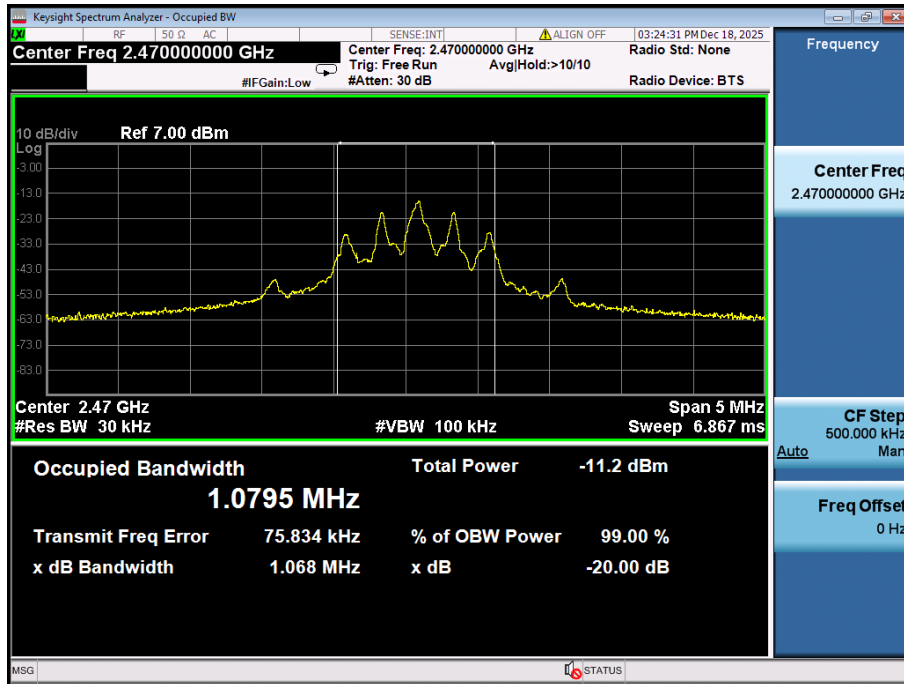


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8 Test Setup Photo

Refer to Appendix - Test Setup Photo for SZCR2512005490ET

9 EUT Constructional Details (EUT Photos)

Refer to Appendix_ external and internal photos for SZCR2512005490ET

- End of the Report -

