

Report No.: GZCR240400042602 EMC-TRF-01 Rev 1.1

> 1 of 82 Page: FCC ID: 2AJ3G-B221

TEST REPORT

Application No.: GZCR2404000426AT

Applicant: Zhuhai Raysharp Technology Co., Ltd.

Address of Applicant: No.100 Technology 6th. Road, High-tech Zone, Zhuhai, Guangdong, P.R.

Manufacturer: Zhuhai Raysharp Technology Co., Ltd.

Address of Manufacturer: No.100 Technology 6th. Road, High-tech Zone, Zhuhai, Guangdong, P.R.

China

Factory: Zhuhai Raysharp Technology Co., Ltd.

No.100 Technology 6th. Road, High-tech Zone, Zhuhai, Guangdong, P.R. Address of Factory:

China

Product Name: 4K/5MP Battery Wireless Camera

Model No.: B21, B20, B221, B220 .

Please refer to section 2 of this report which indicates which item was

actually tested and which were electrically identical.

47 CFR Part 15, Subpart C 15.247 Standard(s):

Date of Receipt: 2024-04-26

2024-04-30 to 2024-05-11 Date of Test:

Date of Issue: 2024-05-28

Pass* Test Result:

3 day Liv Ricky Liu Manager

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t (86-20) 82155555 Co., Ltd. No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663

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



EMC-TRF-01 Rev 1.1

检验检测专用章 Inspection & Testing Services Report No.: GZCR240400042602

Page: 2 of 82

	Revision Record					
Version Report No. Date Remark						
01	GZCR240400042602	2024-05-28	Original			

Authorized for issue by		
	Luke Lin	
	Luke Lin/Project Engineer	-
	vivo cui	
	Vico Cui/Reviewer	-

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Report No.: GZCR240400042602 EMC-TRF-01 Rev 1.1

> 3 of 82 Page:

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)		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 11.12	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	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 6.6	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass		
Conducted Peak Output Power		ANSI C63.10 (2013) Section 11.9.2	47 CFR Part 15, Subpart C 15.247(b)(3)	Pass		
Minimum 6dB Bandwidth		ANSI C63.10 (2013) Section 11.8.1	47 CFR Part 15, Subpart C 15.247a(2)	Pass		
Power Spectrum Density		ANSI C63.10 (2013) Section 11.10.2	47 CFR Part 15, Subpart C 15.247(e)	Pass		
Conducted Band Edges Measurement		ANSI C63.10 (2013) Section 11.13.3.2	47 CFR Part 15, Subpart C 15.247(d)	Pass		
Conducted Spurious Emissions		ANSI C63.10 (2013) Section 11.11	47 CFR Part 15, Subpart C 15.247(d)	Pass		

E.U.T./EUT means Equipment Under Test.

Pass means the test result passed the test standard requirement, please find the detailed decision rule in the report relative section.

Remark:

The models B221, B220 test data refer to the report GZCR231000103002.



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EMC-TRF-01 Rev 1.1 Report No.: GZCR240400042602

Page: 4 of 82

♣ Declaration of EUT Family Grouping:

Model No.: B21, B20, B221, B220

According to the declaration from the applicant, the electrical circuit design, layout, components used and internal wiring were identical for all models, with the difference are as below table shown:

Models	Models	Difference
B221	B21	Appearance and electric circuit
B20	B21	Resolution ratio
B220	B221	Resolution ratio

Therefore only one model B21 was tested in this report.

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EMC-TRF-01 Rev 1.1 Report No.: GZCR240400042602

Page: 5 of 82

3 **Contents**

		Page	
1	Cove	r Page	1
2	Toet (Summary	•
_	1631	Juninal y	
3	Conte	ents	5
4	Gene	ral Information	7
		Details of E.U.T	
		Description of Support Units	
		Measurement Uncertainty	
		Test Location	
		Test Facility	
		Deviation from Standards	
	4.7	Abnormalities from Standard Conditions	9
5	Equir	oment List	. 10
_			
6	Radio	Spectrum Technical Requirement	. 13
	6.1	Antenna Requirement	. 13
	6.1.1	Test Requirement:	. 13
	6.1.2	Conclusion	. 13
7	Radic	Spectrum Matter Test Results	. 14
		· Conducted Emissions at AC Power Line (150kHz-30MHz)	
	7.1.1	E.U.T. Operation	
	7.1.2	Test Mode Description	
	7.1.3	Test Setup Diagram	
	7.1.4	Measurement Procedure and Data	
	7.2 F	Radiated Emissions which fall in the restricted bands	. 18
	7.2.1	E.U.T. Operation	. 18
	7.2.2	Test Mode Description	
	7.2.3	Test Setup Diagram	
	7.2.4	Measurement Procedure and Data	
		Radiated Spurious Emissions Below 1GHz	
	7.3.1	E.U.T. Operation	
	7.3.2 7.3.3	Test Mode Description Test Setup Diagram	
	7.3.4	Measurement Procedure and Data	
	_	Radiated Spurious Emissions Above 1GHz	
	7.4.1	E.U.T. Operation	
	7.4.2	Test Mode Description	
	7.4.3	Test Setup Diagram	
	7.4.4	Measurement Procedure and Data	
	7.5	Conducted Peak Output Power	
	7.5.1	E.U.T. Operation	
	7.5.2	Test Mode Description	
	7.5.3	Test Setup Diagram	. 48
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Report No.: GZCR240400042602 EMC-TRF-01 Rev 1.1 Page: 6 of 82

	7.5.4	Measurement Procedure and Data	48
7.	.6 N	/linimum 6dB Bandwidth	49
	7.6.1	E.U.T. Operation	49
	7.6.2	Test Mode Description	49
	7.6.3	Test Setup Diagram	49
	7.6.4	Measurement Procedure and Data	
7.	.7 F	Power Spectrum Density	50
	7.7.1	E.U.T. Operation	50
	7.7.2	Test Mode Description	50
	7.7.3	Test Setup Diagram	50
	7.7.4	Measurement Procedure and Data	50
7.	.8 0	Conducted Band Edges Measurement	51
	7.8.1	E.U.T. Operation	
	7.8.2	Test Mode Description	
	7.8.3	Test Setup Diagram	52
	7.8.4	Measurement Procedure and Data	52
7.	.9 (Conducted Spurious Emissions	53
	7.9.1	E.U.T. Operation	53
	7.9.2	Test Mode Description	53
	7.9.3	Test Setup Diagram	54
	7.9.4	Measurement Procedure and Data	54
8	Test S	Setup Photo	55
-		r r	
9	EUT C	Constructional Details (EUT Photos)	56
10	Anner	ndiv	57



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Report No.: GZCR240400042602 EMC-TRF-01 Rev 1.1

> 7 of 82 Page:

General Information

4.1 Details of E.U.T.

Power supply: Powered by built-in battery as below:

Model: 4BA

Rated: DC 3.7 V, 42.92Wh, 11600mAh

DC 5 V for charging by AC/DC adapter refer to section 4.2

Test Voltage: AC 120 V, 60 Hz Cable(s): DC input ports

Micro SD card ports

Operation Frequency: 802.11b/g/n(HT20): 2412MHz to 2462MHz

802.11b: DSSS (CCK, DQPSK, DBPSK);802.11g/n: OFDM (64QAM, Modulation Type:

16QAM, QPSK, BPSK)

Number of Channels: 802.11b/g/n(HT20):11

Channel Spacing: 5MHz

Antenna Type: Integral Antenna

Antenna Gain: 2.71dBi

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.
Wireless Router	TP-LINK	TL-WDR5620	1174017009906
Note Book Computer	LENOVO	ThinkPad T490	PF1D1MVJ
USB Cable (1.0m length)	1	/	/
AC/DC Adapter	Supplied by applicant	/	/



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EMC-TRF-01 Rev 1.1 Report No.: GZCR240400042602

Page: 8 of 82

4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Emissions at AC Power Line (150kHz-30MHz)	±2.76dB
Radiated Emissions which fall in the restricted bands	±5.00dB (30MHz-1GHz; 3m);±4.38dB (30MHz-1GHz; 10m);± 5.12dB (1GHz- 6GHz); ±5.38dB (6GHz-18GHz); ±5.61dB(18GHz-40GHz)
Radiated Spurious Emissions Below 1GHz	±5.00dB (3m); ±4.38dB (10m)
Radiated Spurious Emissions Above 1GHz	±5.12dB (1GHz-6GHz); ±5.38dB (6GHz- 18GHz); ±5.61dB(18GHz-40GHz)
Conducted Peak Output Power	± 0.75dB
Minimum 6dB Bandwidth	± 3%
Power Spectrum Density	± 2.84dB
Conducted Band Edges Measurement	± 0.75dB
Conducted Spurious Emissions	± 0.75dB

Remark:

The Ulab (lab Uncertainty) is less than UETSI (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

4.4 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou Branch EMC Laboratory, No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663

Tel: +86 20 82155555

No tests were sub-contracted.



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Report No.: GZCR240400042602 EMC-TRF-01 Rev 1.1

> Page: 9 of 82

4.5 Test Facility

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

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory can also perform testing for the Australian/New Zealand Regulatory Compliance Mark (RCM).

SGS UK(Certificate No.: 32), SGS-TUV SAARLAND and SGS-FIMKO

Have approved SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory as a supplier of EMC TESTING SERVICES and SAFETY TESTING SERVICES.

FCC Recognized Accredited Test Firm(Registration No.: 486818)

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory has been accredited and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Designation Number: CN5016, Test Firm Registration Number: 486818.

• ISED (Registration No.: 4620B, CAB identifier: CN0052)

SGS-CSTC Standards Technical Services Co., Ltd., has been registered by Innovation Science and Economic Development Canada for Wireless Device Testing laboratories to test to Canadian radio equipment requirements. Registration No. 4620B, CAB identifier: CN0052.

VCCI (Registration No.: R-12460, C-12584, G-20107 and T-11179)

The 10m Semi-anechoic chamber, 966 Anechoic Chamber and Shielded Room of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-12460, C-12584, G-20107 and T-11179 respectively.

CBTL (Lab Code: TL129)

SGS-CSTC Standards Technical Services Co., Ltd., E&E Laboratory has been assessed and fully comply with the requirements of ISO/IEC 17025:2017, the Basic Rules, IECEE 01 and Rules of procedure IECEE 02, and the relevant IECEE CB-Scheme Operational documents.

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None



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Report No.: GZCR240400042602 EMC-TRF-01 Rev 1.1

> Page: 10 of 82

Equipment List 5

Conducted Emissions at AC Power Line (150kHz-30MHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Coaxial Cable	HangTianXing	2m	EMC0107	2023-08-04	2024-08-03
Shielding Room	ChangZhou ZhongYu	8m x 3m x 3.8m	EMC0306	2022-10-16	2025-10-15
Two-Line V-Network-GZ	Rohde & Schwarz	ENV216	EMC2135	2023-09-08	2024-09-07
EMI Test Receiver (9kHz-3.6GHz)	Rohde & Schwarz	ESR3	EMC2221	2024-05-13	2025-05-12
Test Software E3r	Audix	Ver.6.11812	GZE100-77	N/A	N/A

Radiated Emissions which fall in the restricted bands						
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date	
1GHz-26.5 GHz Pre- Amplifier	Agilent	8449B	EMC0521	2023-11-10	2024-11-09	
EMI Test Receiver (10Hz-26.5GHz)	Rohde & Schwarz	ESIB26	EMC0522	2023-12-15	2024-12-14	
Chamber cable (Above 1GHz)	Scoflex	KMKM-8.0m	EMC0545	2022-08-24	2024-08-23	
Horn Antenna (1GHz- 18GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120D	EMC2026	2022-09-23	2025-09-22	
Horn Antenna (14- 40GHz)	SCHWARZBECK	BBHA 9170	EMC2041	2023-06-18	2026-06-17	
EXA Signal Analyzer (10Hz-44GHz)	Keysight	N9010A	EMC2138	2023-08-23	2024-08-22	
MXE EMI Receiver (10Hz-8.4GHz)	Keysight	N9038A	EMC2139	2023-10-20	2024-10-19	
966 Anechoic Chamber	C.R.T	9m x 6m x 6m	EMC2142	2023-12-20	2026-12-19	
Test Software E3	Audix	Ver.6.120110a	GZE100-61	N/A	N/A	



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EMC-TRF-01 Rev 1.1 Report No.: GZCR240400042602

Page: 11 of 82

Radiated Spurious Emissions Below 1GHz						
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date	
966 Anechoic Chamber	Shenzhen C.R.T	CRTSGSSAC9 66	EMC2230	2022-04-12	2025-04-11	
EMI Test Receiver(1Hz- 8GHz)	Rohde & Schwarz	ESW8	EMC2229	2024-02-19	2025-02-18	
Amplifier(9k-1000MHz)	SONOMA	310	EMC2237	2024-03-22	2025-03-21	
TRILOG Broadband Antenna (25M-2GHz)	SCHWRZBECK	VULB 9168	EMC2238	2022-04-20	2025-04-19	
Coaxial Cable	Mirco-COAX UTIFLEX ve	LA2-C125- 8000	EMC2239	2023-06-14	2025-06-13	
Test Software E3	Audix	Ver.6.191211	GZE100-81	N/A	N/A	
Active Loop Antenna- RED	ETS-Lindgren	6502	EMC2190	2024-04-08	2026-04-07	

Radiated Spurious Emissions Above 1GHz								
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date			
1GHz-26.5 GHz Pre- Amplifier	Agilent	8449B	EMC0521	2023-11-10	2024-11-09			
EMI Test Receiver (10Hz-26.5GHz)	Rohde & Schwarz	ESIB26	EMC0522	2023-12-15	2024-12-14			
Chamber cable (Above 1GHz)	Scoflex	KMKM-8.0m	EMC0545	2022-08-24	2024-08-23			
Horn Antenna (1GHz- 18GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120D	EMC2026	2022-09-23	2025-09-22			
Horn Antenna (14- 40GHz)	SCHWARZBECK	BBHA 9170	EMC2041	2023-06-18	2026-06-17			
2.4GHz Filter	Micro-Tronics	BRM 50702	EMC2069	2023-11-10	2024-11-09			
EXA Signal Analyzer (10Hz-44GHz)	Keysight	N9010A	EMC2138	2023-08-23	2024-08-22			
MXE EMI Receiver (10Hz-8.4GHz)	Keysight	N9038A	EMC2139	2023-10-20	2024-10-19			
966 Anechoic Chamber	C.R.T	9m x 6m x 6m	EMC2142	2023-12-20	2026-12-19			
Test Software E3	Audix	Ver.6.120110a	GZE100-61	N/A	N/A			

RF Conducted Test					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
MI CABLE	SGS-EMC	M8.0	EMC2137	2023-11-02	2025-11-01
4X4 Power sensor Unit	TST	TSPS2023R	EMC2226	2023-08-23	2024-08-22
Test Software	TST	V2.0	GZE100-78	N/A	N/A
EXA Signal Analyzer (10Hz-44GHz)	Keysight	N9010A	EMC2138	2023-08-23	2024-08-22



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Report No.: GZCR240400042602

Page: 12 of 82

General used equipmen	t				
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
DMM	Fluke	73	EMC0006	2023-06-11	2024-06-10

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Report No.: GZCR240400042602 EMC-TRF-01 Rev 1.1

> Page: 13 of 82

Radio Spectrum Technical Requirement 6

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 2.71 dBi.

Antenna location: Refer to internal photo.



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> Page: 14 of 82

Radio Spectrum Matter Test Results 7

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

47 CFR Part 15, Subpart C 15.207 Test Requirement Test Method: ANSI C63.10 (2013) Section 6.2

Limit:

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

7.1.1 E.U.T. Operation

Operating Environment:

Humidity: 54.3 % RH Temperature: 22.1 °C Atmospheric Pressure: 1020 mbar

7.1.2 Test Mode Description

Mode Pre-scan / Description Final test Code

> Charge + TX mode Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the

worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE Final test 02

802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); final test modes are considering the modulation and worse data rates. Only

the data of worst case is recorded in the report for B21.

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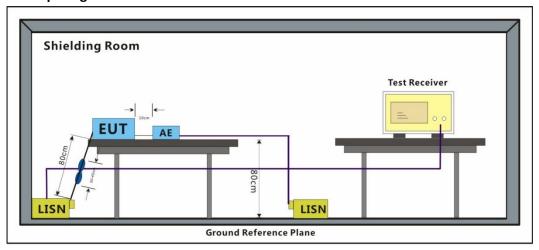
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Report No.: GZCR240400042602 EMC-TRF-01 Rev 1.1

> Page: 15 of 82

7.1.3 Test Setup Diagram



7.1.4 Measurement Procedure and Data

- 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/50µH + 50hm 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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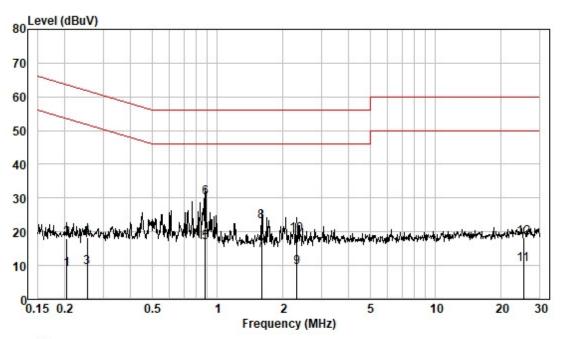


Rev 1.1 EMC-TRF-01

Report No.: GZCR240400042602

Page: 16 of 82

Test Mode: 02; Line: Live line



Pol :LINE Mode Model: Power:

	Frequenc MHz	Read Level dBuV	Cable Loss dB	LISN Factor dB	Measured Level dBuV	Limit Line dBuV	Over Limit dB	Remark
1	0.204	-0.73	0.04	9.55	8.86	53.45	-44.59	Average
2	0.204	8.45	0.04	9.55	18.04	63.45	-45.41	QP
3	0.253	-0.19	0.04	9.56	9.41	51.64	-42.23	Average
4	0.253	8.58	0.04	9.56	18.18	61.64	-43.46	QP
5	0.880	7.14	0.07	9.57	16.78	46.00	-29.22	Average
6	0.880	20.34	0.07	9.57	29.98	56.00	-26.02	QP
7	1.593	4.84	0.11	9.56	14.51	46.00	-31.49	Average
8	1.593	13.35	0.11	9.56	23.02	56.00	-32.98	QP
9	2.309	-0.26	0.14	9.57	9.45	46.00	-36.55	Average
10	2.309	9.47	0.14	9.57	19.18	56.00	-36.82	QP
11	25.321	-0.10	0.43	9.87	10.20	50.00	-39.80	Average
12	25.321	8.06	0.43	9.87	18.36	60.00	-41.64	OP

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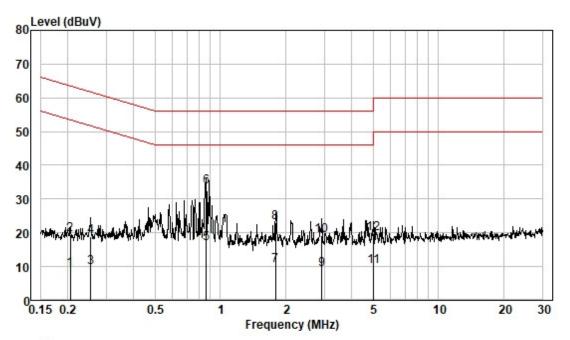


Rev 1.1 EMC-TRF-01

Report No.: GZCR240400042602

Page: 17 of 82

Test Mode: 02; Line: Neutral Line



Pol :NEUTRAL

Mode Model: Power:

		Read	Cable	LISN	Measured	Limit	Over	
	Frequenc	Level	Loss	Factor	Level	Line	Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.205	-0.30	0.04	9.53	9.27	53.40	-44.13	Average
2	0.205	9.91	0.04	9.53	19.48	63.40	-43.92	QP
3	0.255	0.21	0.04	9.53	9.78	51.60	-41.82	Average
4	0.255	9.25	0.04	9.53	18.82	61.60	-42.78	QP
5	0.862	7.07	0.07	9.55	16.69	46.00	-29.31	Average
6	0.862	24.09	0.07	9.55	33.71	56.00	-22.29	QP
7	1.790	0.55	0.12	9.55	10.22	46.00	-35.78	Average
8	1.790	13.46	0.12	9.55	23.13	56.00	-32.87	QP
9	2.915	-0.49	0.15	9.57	9.23	46.00	-36.77	Average
10	2.915	9.52	0.15	9.57	19.24	56.00	-36.76	QP
11	5.031	0.26	0.20	9.63	10.09	50.00	-39.91	Average
12	5.031	9.89	0.20	9.63	19.72	60.00	-40.28	QP

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Report No.: GZCR240400042602 EMC-TRF-01 Rev 1.1

> Page: 18 of 82

7.2 Radiated Emissions which fall in the restricted bands

47 CFR Part 15, Subpart C 15.205 & 15.209 Test Requirement

Test Method: ANSI C63.10 (2013) Section 11.12

Limit:

Test Distance: 3 m

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

Final test

Pre-scan

Operating Environment:

Temperature: 25.3 °C Humidity: 68.0 % RH Atmospheric Pressure: 1008 mbar

7.2.2 Test Mode Description

Pre-scan / Mode Description Final test Code

00

02

TX mode Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in

the report for B21.

Charge + TX mode_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each

modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); final test modes are considering the modulation and worse data rates. Only

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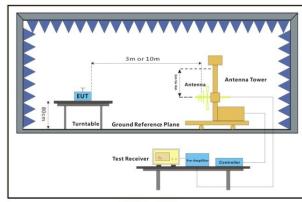
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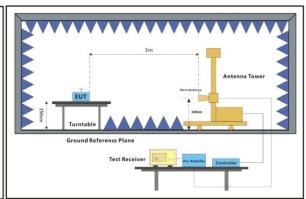


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Page: 19 of 82

7.2.3 Test Setup Diagram





30MHz-1GHz Above 1GHz



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Report No.: GZCR240400042602 EMC-TRF-01 Rev 1.1

> Page: 20 of 82

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 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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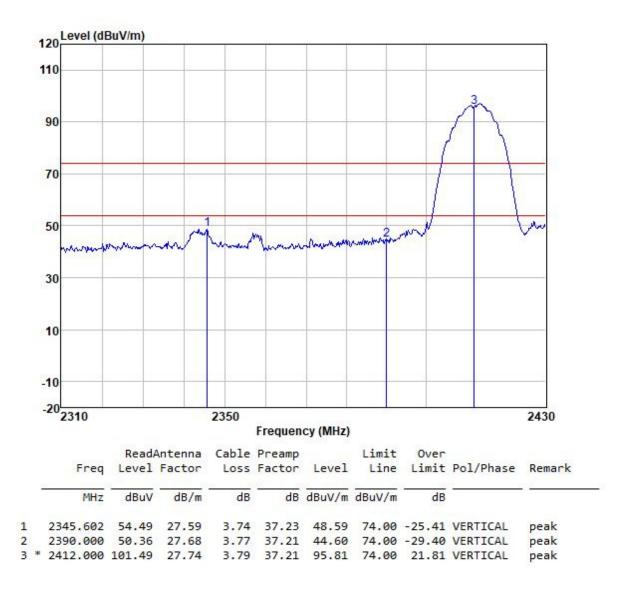


EMC-TRF-01 Rev 1.1

Report No.: GZCR240400042602

Page: 21 of 82

Test Mode: 00; Polarity: Vertical; Modulation:802.11b; Bandwidth:20MHz; Channel:Low





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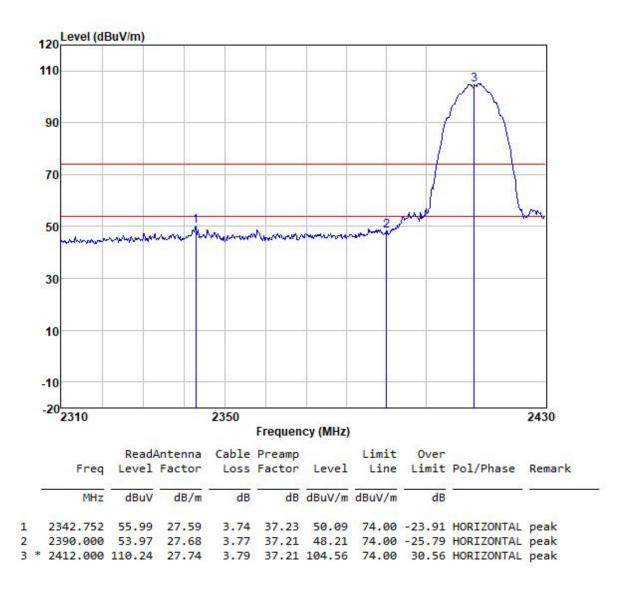
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EMC-TRF-01 Rev 1.1 Report No.: GZCR240400042602

22 of 82 Page:

Test Mode: 00; Polarity: Horizontal; Modulation:802.11b; Bandwidth:20MHz; Channel:Low



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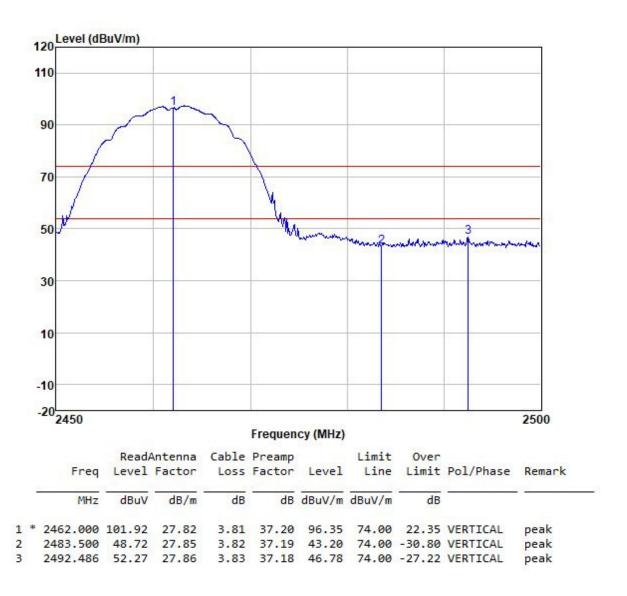


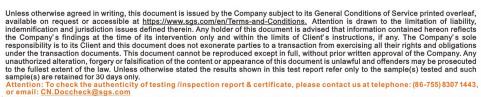
EMC-TRF-01 Rev 1.1

Report No.: GZCR240400042602

Page: 23 of 82

Test Mode: 00; Polarity: Vertical; Modulation:802.11b; Bandwidth:20MHz; Channel:High





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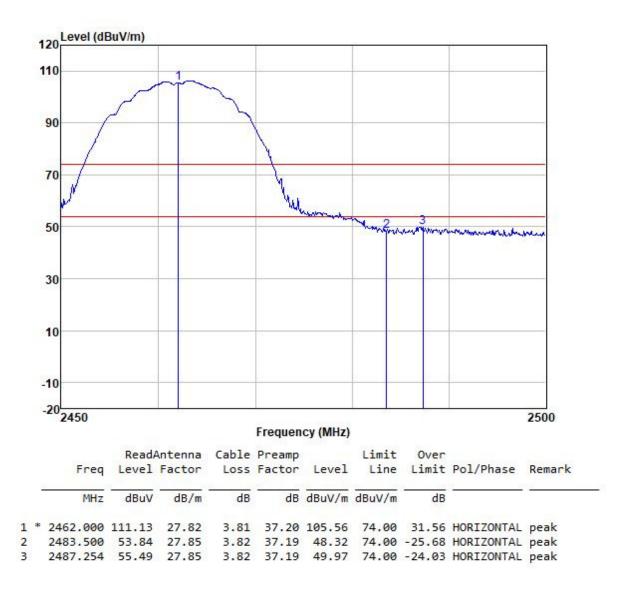
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EMC-TRF-01 Rev 1.1 Report No.: GZCR240400042602

24 of 82 Page:

Test Mode: 00; Polarity: Horizontal; Modulation:802.11b; Bandwidth:20MHz; Channel:High



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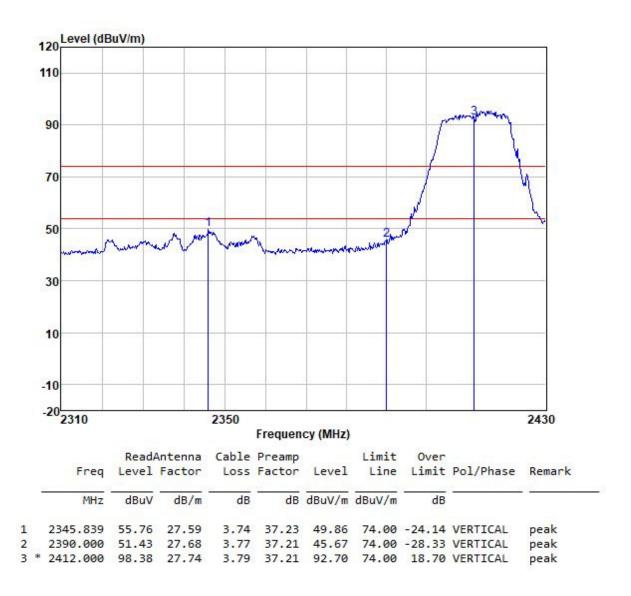


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Report No.: GZCR240400042602

Page: 25 of 82

Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low





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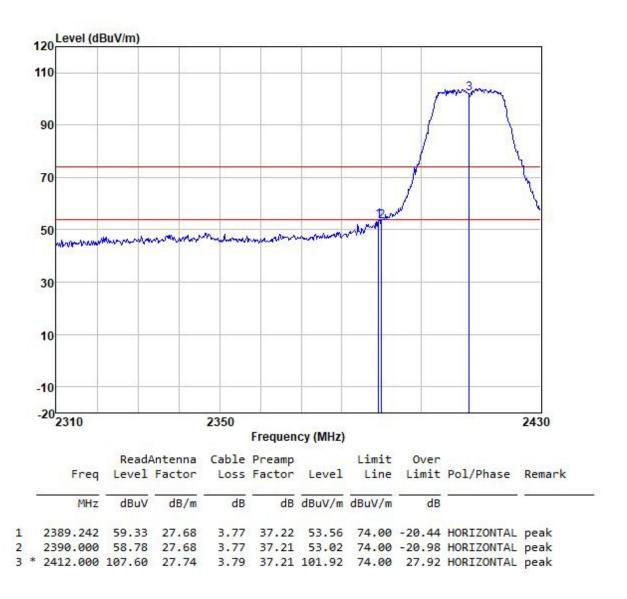


EMC-TRF-01 Rev 1.1

Report No.: GZCR240400042602

Page: 26 of 82

Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low





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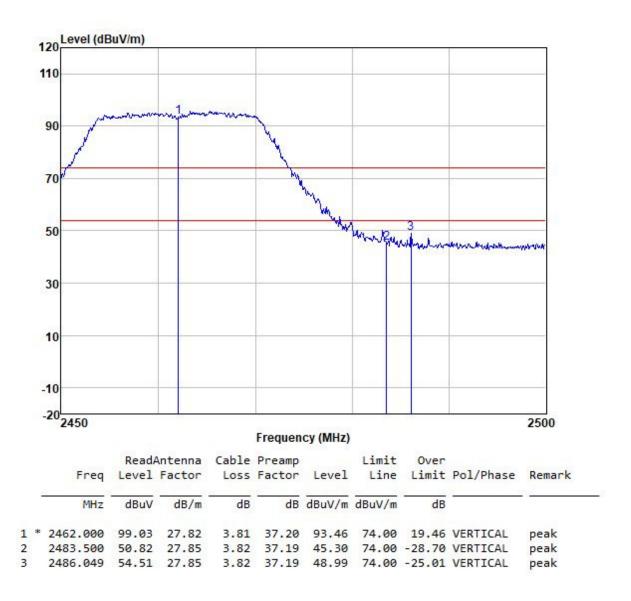


EMC-TRF-01 Rev 1.1

Report No.: GZCR240400042602

Page: 27 of 82

Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



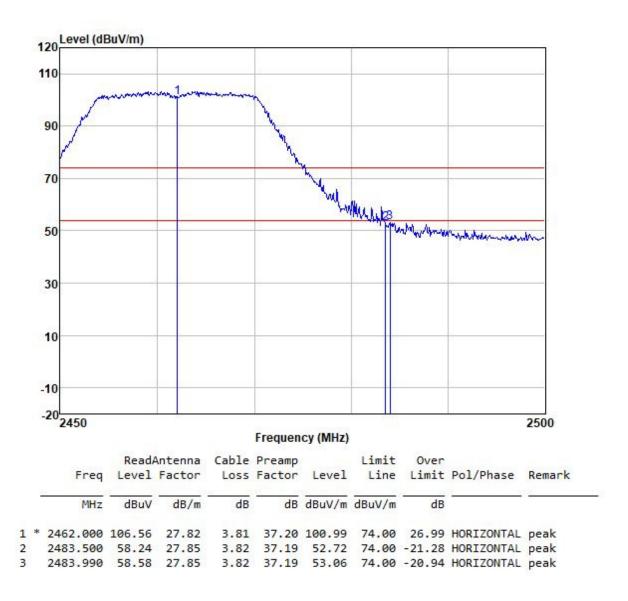


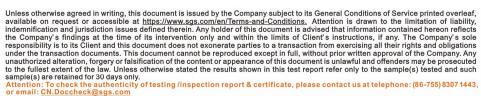


EMC-TRF-01 Rev 1.1 Report No.: GZCR240400042602

28 of 82 Page:

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Report No.: GZCR240400042602 EMC-TRF-01 Rev 1.1

> Page: 29 of 82

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

Limit:

Test Distance: 3 m

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

Pre-scan

Final test

Operating Environment:

Temperature: 23.5 °C Humidity: 55.7 % RH Atmospheric Pressure: 1008 mbar

7.3.2 Test Mode Description

Mode Pre-scan / Description Final test Code

00

02

TX mode Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report for B21.

Charge + TX mode Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20);

final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report for B21.

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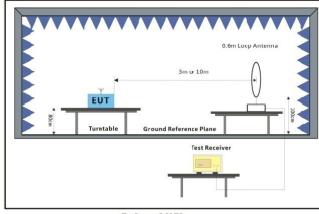
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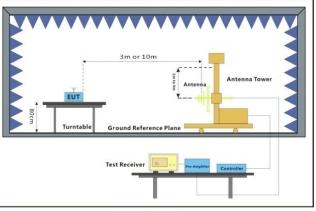


EMC-TRF-01 Rev 1.1 Report No.: GZCR240400042602

Page: 30 of 82

7.3.3 Test Setup Diagram





Below 30MHz

30MHz-1GHz

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.
- a. 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.



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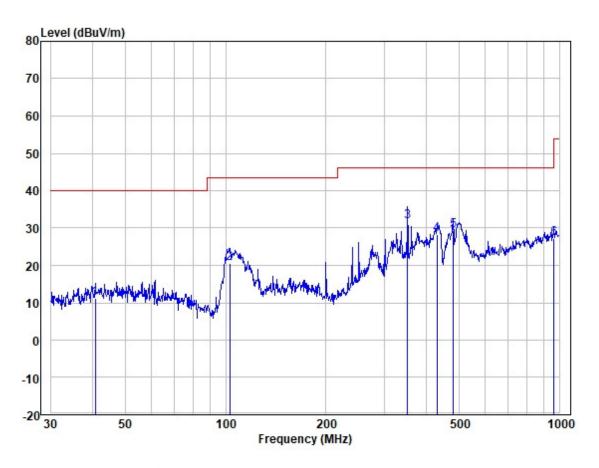
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EMC-TRF-01 Rev 1.1 Report No.: GZCR240400042602

Page: 31 of 82

Test Mode: 02; Polarity: Horizontal



Site : 966 Chamber

Job Model Power Test Mode

	Freq					Measured Level				Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	40.702	24.38	19.16	0.35	32.82	11.07	40.00	-28.93	HORIZONTAL	QP
2	103.080	37.80	15.02	0.55	32.80	20.57	43.52	-22.95	HORIZONTAL	QP
3	350.477	43.21	20.29	1.07	32.80	31.77	46.02	-14.25	HORIZONTAL	QP
4	429.523	37.64	22.13	1.19	32.82	28.14	46.02	-17.88	HORIZONTAL	QP
5	480.528	37.84	23.08	1.28	32.89	29.31	46.02	-16.71	HORIZONTAL	QP
6	962.162	26.48	29.75	1.82	30.95	27.10	53.98	-26.88	HORIZONTAL	QP

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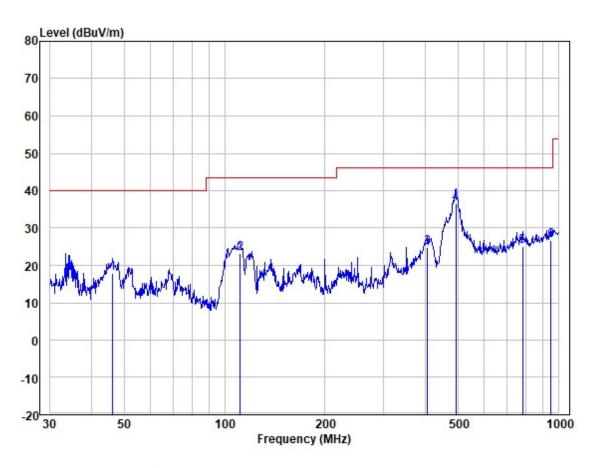


Rev 1.1 EMC-TRF-01

Report No.: GZCR240400042602

Page: 32 of 82

Test Mode: 02; Polarity: Vertical



Site : 966 Chamber

Job Model Power : Test Mode

	Freq					Measured Level				Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		T
1	46.178	30.96	19.48	0.37	32.81	18.00	40.00	-22.00	VERTICAL	QP
2	111.347	39.05	16.29	0.57	32.80	23.11	43.52	-20.41	VERTICAL	QP
3	404.667	34.72	21.64	1.16	32.80	24.72	46.02	-21.30	VERTICAL	QP
4	492.469	44.75	23.38	1.28	32.90	36.51	46.02	-9.51	VERTICAL	QP
5	779.607	27.43	28.40	1.65	32.35	25.13	46.02	-20.89	VERTICAL	QP
6	948.761	26.26	29.77	1.80	31.17	26.66	46.02	-19.36	VERTICAL	QP



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Report No.: GZCR240400042602 EMC-TRF-01 Rev 1.1

Page: 33 of 82

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

Limit:

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

7.4.1 E.U.T. Operation

Final test

Pre-scan

Operating Environment:

Temperature: 25.3 °C Humidity: 68.0 % RH Atmospheric Pressure: 1008 mbar

7.4.2 Test Mode Description

Mode Pre-scan / Final test Code

00

02

Description

TX mode Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in

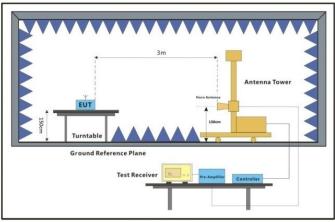
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Charge + TX mode Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE

802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); final test modes are considering the modulation and worse data rates. Only

the data of worst case is recorded in the report for B21.

7.4.3 Test Setup Diagram



Above 1GHz



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Report No.: GZCR240400042602 EMC-TRF-01 Rev 1.1

> Page: 34 of 82

7.4.4 Measurement Procedure and Data

- a. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak or average method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- i. Repeat above procedures until all frequencies measured was complete. Remark:
- 1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
- 2. Scan from 1GHz to 25GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
- 3. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.



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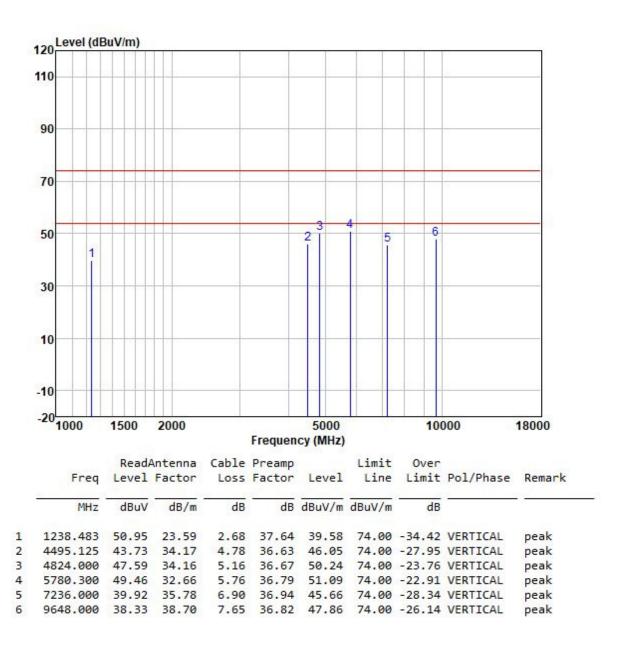
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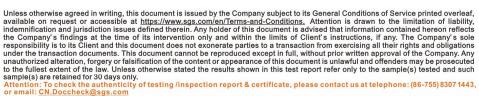


EMC-TRF-01 Rev 1.1 Report No.: GZCR240400042602

Page: 35 of 82

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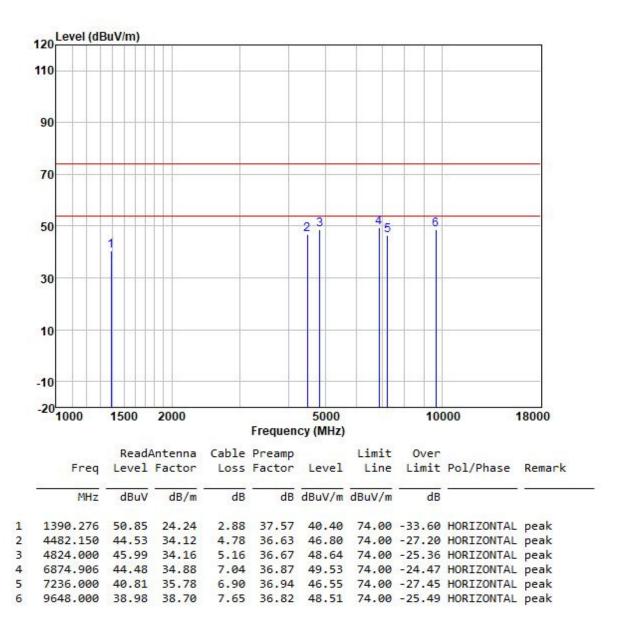
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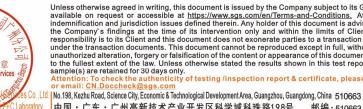


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Page: 36 of 82

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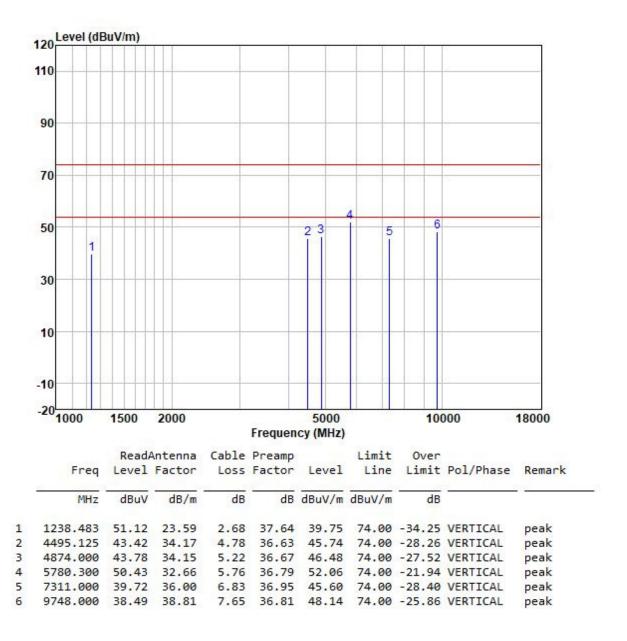
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EMC-TRF-01 Rev 1.1 Report No.: GZCR240400042602

Page: 37 of 82

Test Mode: 00; Polarity: Vertical; Modulation:802.11b; Bandwidth:20MHz; Channel:middle





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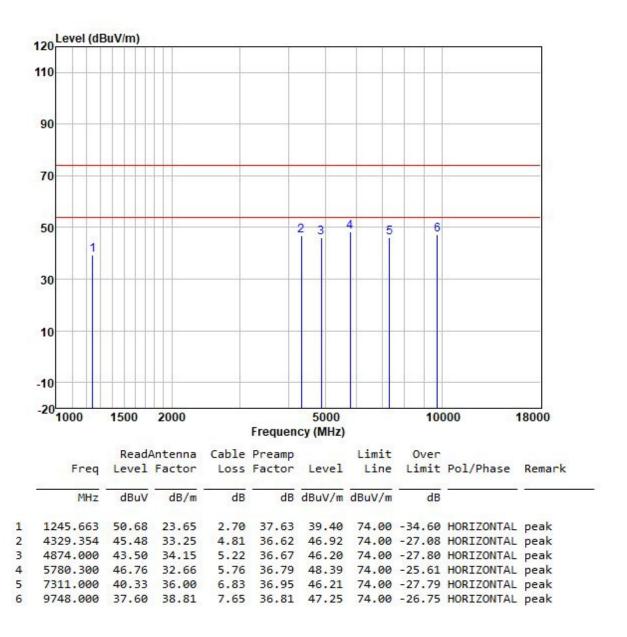
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EMC-TRF-01 Rev 1.1 Report No.: GZCR240400042602

Page: 38 of 82

Test Mode: 00; Polarity: Horizontal; Modulation:802.11b; Bandwidth:20MHz; Channel:middle





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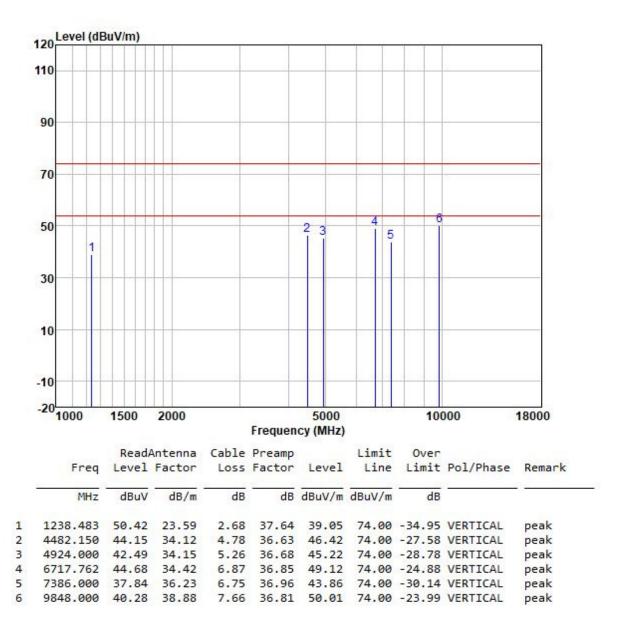
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Page: 39 of 82

Test Mode: 00; Polarity: Vertical; Modulation:802.11b; Bandwidth:20MHz; Channel:High





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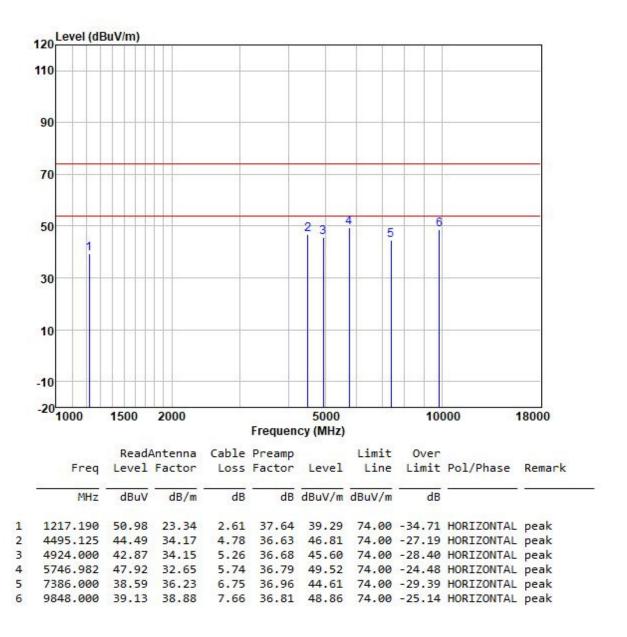
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EMC-TRF-01 Rev 1.1 Report No.: GZCR240400042602

Page: 40 of 82

Test Mode: 00; Polarity: Horizontal; Modulation:802.11b; Bandwidth:20MHz; Channel:High





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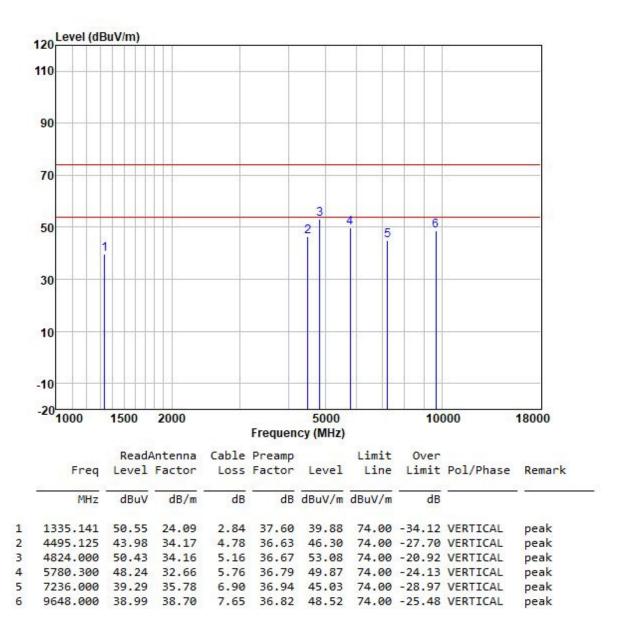


EMC-TRF-01 Rev 1.1

Report No.: GZCR240400042602

Page: 41 of 82

Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low





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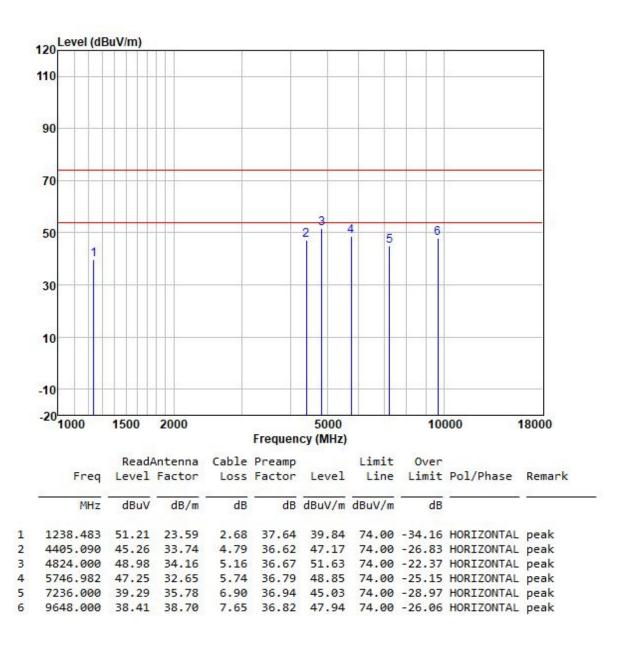
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EMC-TRF-01 Rev 1.1 Report No.: GZCR240400042602

Page: 42 of 82

Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low





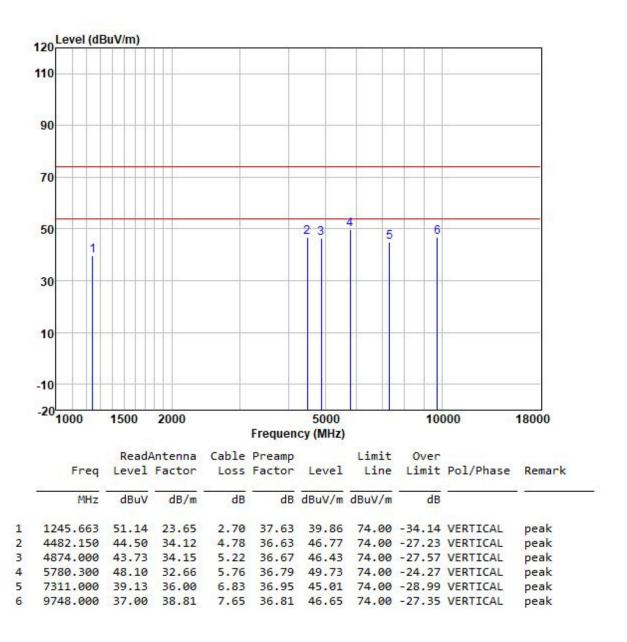
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EMC-TRF-01 Rev 1.1 Report No.: GZCR240400042602

Page: 43 of 82

Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:middle





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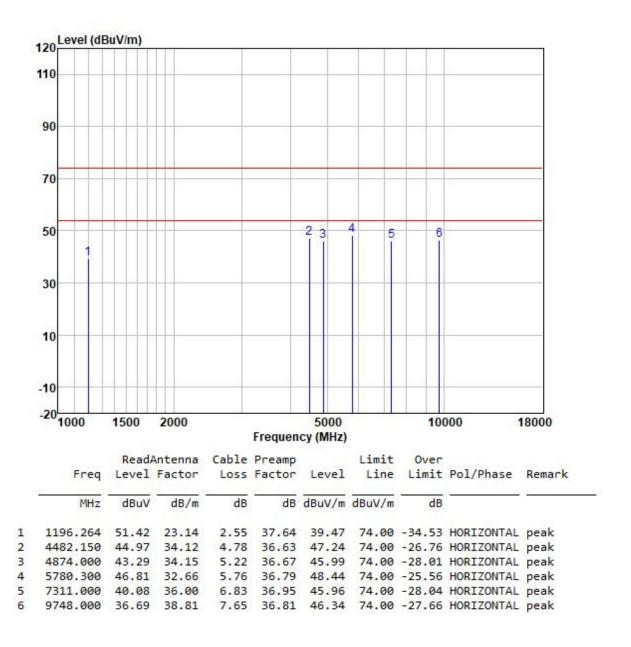
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:middle





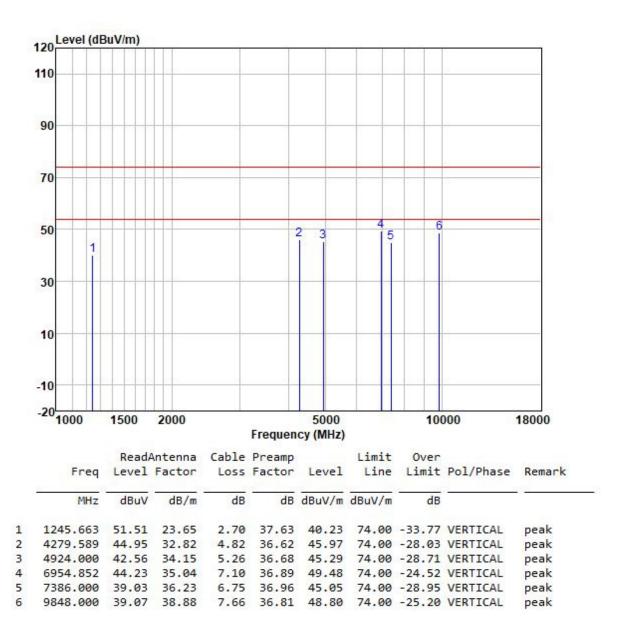


EMC-TRF-01 Rev 1.1

Report No.: GZCR240400042602

Page: 45 of 82

Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High





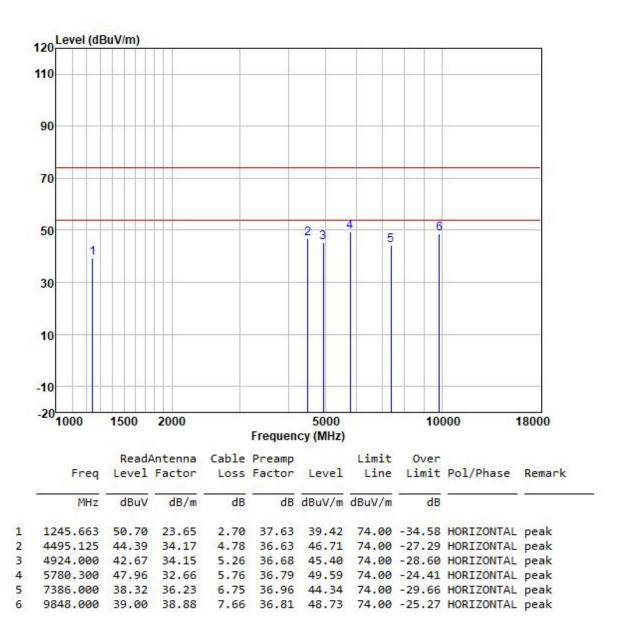


EMC-TRF-01 Rev 1.1

Report No.: GZCR240400042602

Page: 46 of 82

Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High







Report No.: GZCR240400042602 EMC-TRF-01 Rev 1.1

> Page: 47 of 82

7.5 Conducted Peak Output Power

Test Requirement 47 CFR Part 15, Subpart C 15.247(b)(3) Test Method: ANSI C63.10 (2013) Section 11.9.2

Limit:

Frequency range(MHz)	Output power of the intentional radiator(watt)				
	1 for ≥50 hopping channels				
902-928	0.25 for 25≤ hopping channels <50				
	1 for digital modulation				
	1 for ≥75 non-overlapping hopping channels0.125 for all other frequency hopping systems				
2400-2483.5					
	1 for digital modulation				
5725-5850	1 for frequency hopping systems and digital modulation				

7.5.1 E.U.T. Operation

Operating Environment:

Temperature: 21.8 °C Humidity: 70.0 % RH Atmospheric Pressure: 1020 mbar

7.5.2 Test Mode Description

Mode Description Pre-scan /

00

02

Final test Code

Final test

Pre-scan

TX mode Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in

the report for B21.

Charge + TX mode Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); final test modes are considering the modulation and worse data rates. Only the data of worst

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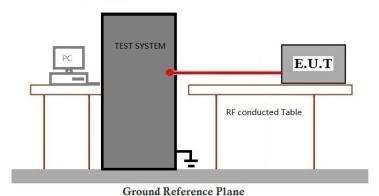


EMC-TRF-01 Rev 1.1

Report No.: GZCR240400042602

Page: 48 of 82

7.5.3 Test Setup Diagram



7.5.4 Measurement Procedure and Data

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

Please Refer to Appendix for Details



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Page: 49 of 82

7.6 Minimum 6dB Bandwidth

Test Requirement 47 CFR Part 15, Subpart C 15.247a(2) Test Method: ANSI C63.10 (2013) Section 11.8.1

Limit: ≥500 kHz

7.6.1 E.U.T. Operation

Operating Environment:

Temperature: 21.8 °C 70.0 % RH Atmospheric Pressure: 1020 mbar Humidity:

7.6.2 Test Mode Description

Description Pre-scan / Mode Final test Code

TX mode Keep the EUT in continuously transmitting mode with all

modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is 00 the worst case of IEEE 802.11n(HT20); final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in

the data of worst case is recorded in the report for B21.

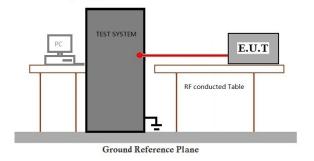
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Charge + TX mode_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); final test modes are considering the modulation and worse data rates. Only

Pre-scan 02

Final test

7.6.3 Test Setup Diagram



7.6.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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Report No.: GZCR240400042602 EMC-TRF-01 Rev 1.1

> Page: 50 of 82

7.7 Power Spectrum Density

47 CFR Part 15, Subpart C 15.247(e) Test Requirement Test Method: ANSI C63.10 (2013) Section 11.10.2

Limit:

≤8dBm in any 3 kHz band during any time interval of continuous transmission

7.7.1 E.U.T. Operation

Operating Environment:

21.8 °C Humidity: 70.0 % RH Atmospheric Pressure: 1020 mbar Temperature:

7.7.2 Test Mode Description

Description Pre-scan / Mode Final test Code

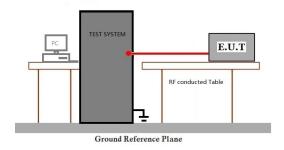
Final test 00

TX mode Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report for B21.

Pre-scan 02

Charge + TX mode_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report for B21.

7.7.3 Test Setup Diagram



7.7.4 Measurement Procedure and Data

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Report No.: GZCR240400042602 EMC-TRF-01 Rev 1.1

> Page: 51 of 82

7.8 Conducted Band Edges Measurement

Test Requirement 47 CFR Part 15, Subpart C 15.247(d) Test Method: ANSI C63.10 (2013) Section 11.13.3.2

Limit:

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c).

7.8.1 E.U.T. Operation

Operating Environment:

Temperature: 21.8 °C Humidity: 70.0 % RH Atmospheric Pressure: 1020 mbar

7.8.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report for B21.
Pre-scan	02	Charge + TX mode_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report for B21.



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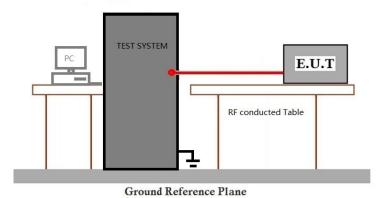
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EMC-TRF-01 Rev 1.1 Report No.: GZCR240400042602

Page: 52 of 82

7.8.3 Test Setup Diagram



7.8.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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> Page: 53 of 82

7.9 Conducted Spurious Emissions

Test Requirement 47 CFR Part 15, Subpart C 15.247(d) Test Method: ANSI C63.10 (2013) Section 11.11

Limit:

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c).

7.9.1 E.U.T. Operation

Operating Environment:

Humidity: 70.0 % RH Temperature: 21.8 °C Atmospheric Pressure: 1020 mbar

7.9.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report for B21.
Pre-scan	02	Charge + TX mode_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report for B21.

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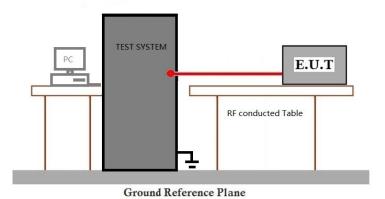
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EMC-TRF-01 Rev 1.1 Report No.: GZCR240400042602

Page: 54 of 82

7.9.3 Test Setup Diagram



7.9.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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Report No.: GZCR240400042602 Rev 1.1 EMC-TRF-01

> Page: 55 of 82

Test Setup Photo 8

Refer to Appendix - Test Setup Photo for GZCR240400042602



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> Page: 56 of 82

EUT Constructional Details (EUT Photos) 9

Refer to Appendix - External and Internal Photos for GZCR2404000426AT



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Report No.: GZCR240400042602 EMC-TRF-01 Rev 1.1

> Page: 57 of 82

10 Appendix

1. Duty Cycle

1.1 Ant1

1.1.1 Test Result

	Ant1								
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)		
	2412	4.245	5.365	79.12	1.02	0.23			
802.11b	SISO	2437	4.243	5.329	79.62	0.99	0.09		
		2462	4.243	5.329	79.62	0.99	0.13		
802.11n (HT20) SISO	2412	0.653	1.767	36.96	4.32	0.03			
	SISO	2437	0.653	1.776	36.77	4.35	0.18		
		2462	0.652	1.769	36.86	4.33	0.07		



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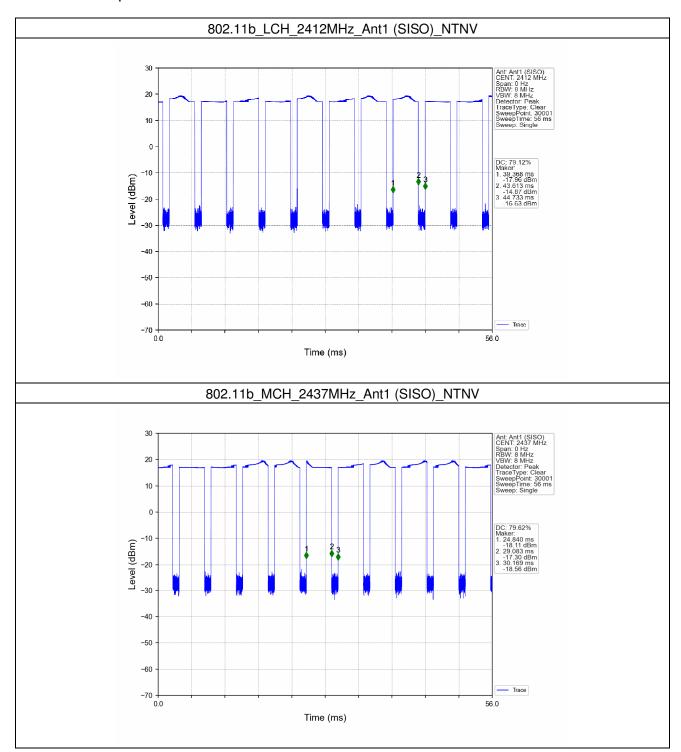
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Page: 58 of 82

1.1.2 Test Graph





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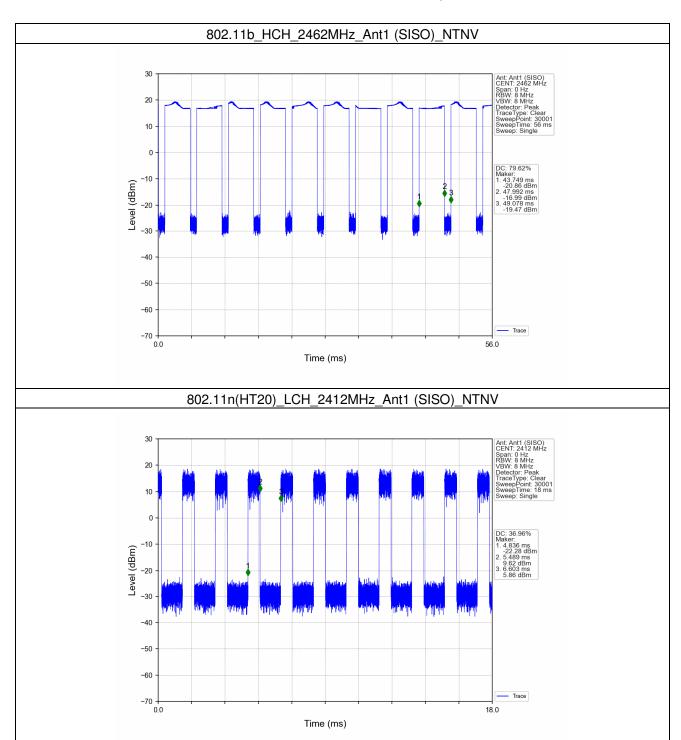
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Page: 59 of 82





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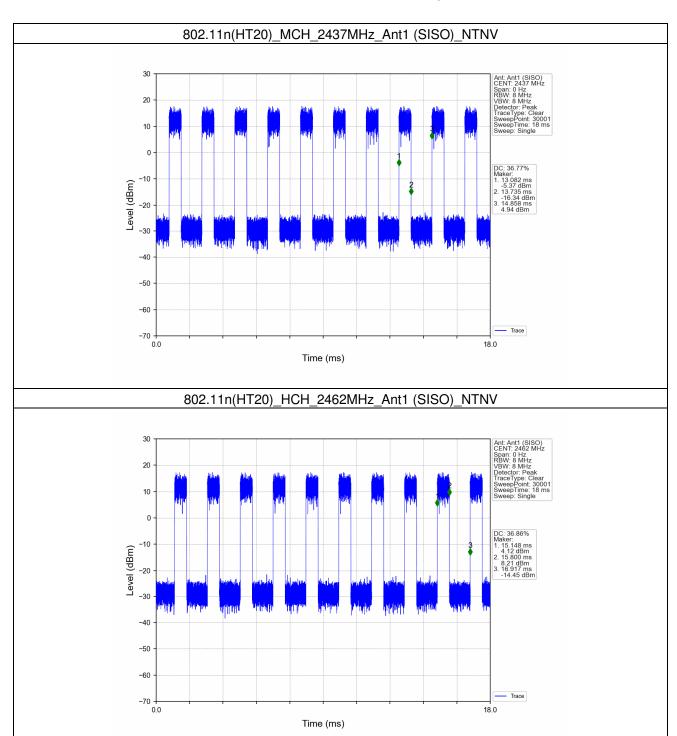
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Page: 61 of 82

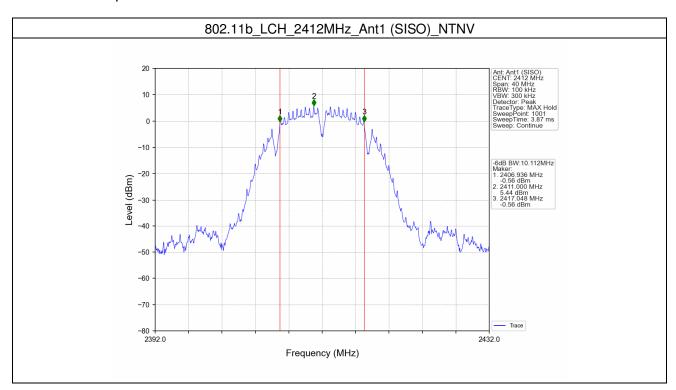
2. Bandwidth

2.1 6dB BW

2.1.1 Test Result

Mode	TX	Frequency		6dB Bandv	Manalia.	
	Type	(MHz)		Result	Limit	Verdict
		2412	1	10.112	>=0.5	Pass
802.11b	SISO	2437	1	9.627	>=0.5	Pass
		2462	1	9.623	>=0.5	Pass
000.11	(1)	2412	1	17.048	>=0.5	Pass
802.11n (HT20)		2437	1	17.000	>=0.5	Pass
		2462	1	17.043	>=0.5	Pass

2.2.2 Test Graph





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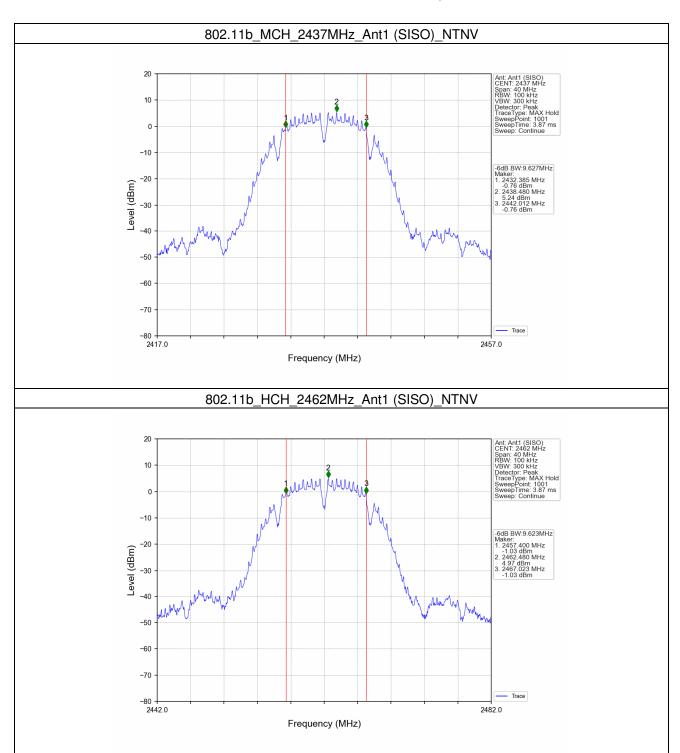
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Page: 62 of 82





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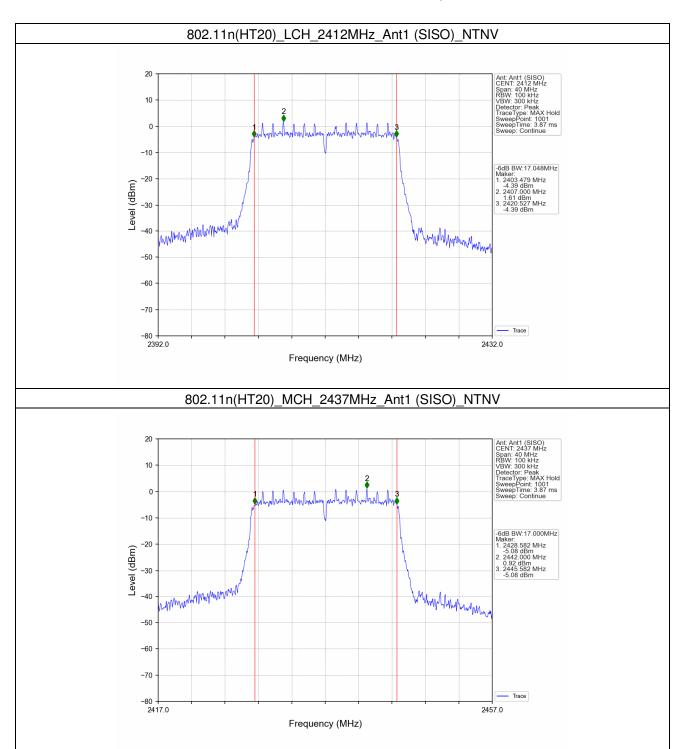
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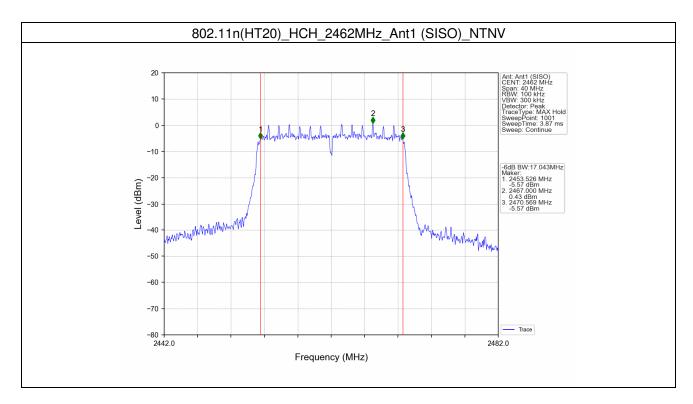
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Report No.: GZCR240400042602

Page: 64 of 82





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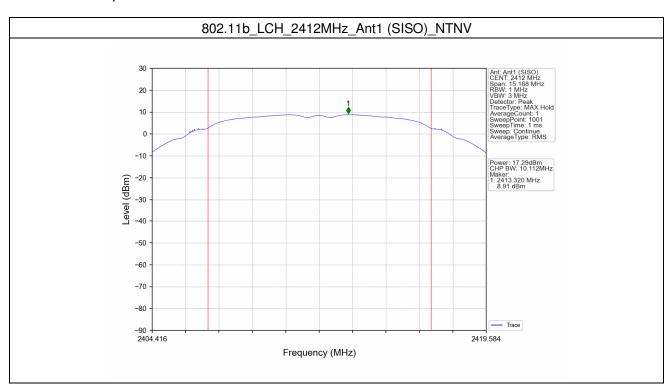
3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX	Frequency (MHz)	Maximum Peak Conduc	\/oudiat		
	Type		ANT1	Limit	Verdict	
802.11b SI		2412	17.29	<=30	Pass	
	SISO	2437	16.99	<=30	Pass	
		2462	16.73	<=30	Pass	
802.11n (HT20)		2412	20.16	<=30	Pass	
	SISO	2437	19.29	<=30	Pass	
		2462	18.75	<=30	Pass	
Note1: Antenna Gain: Ant1: 2.71dBi;						

3.1.2 Test Graph





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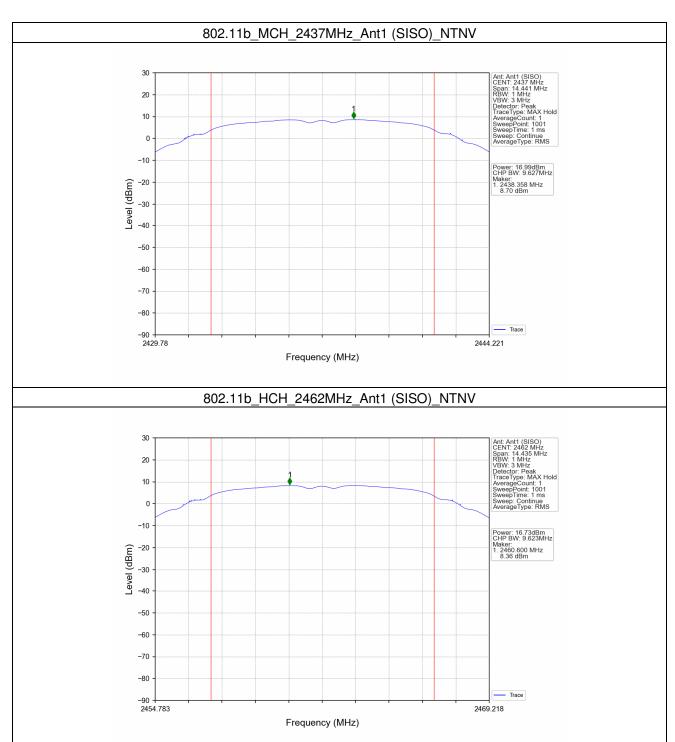
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66 of 82 Page:





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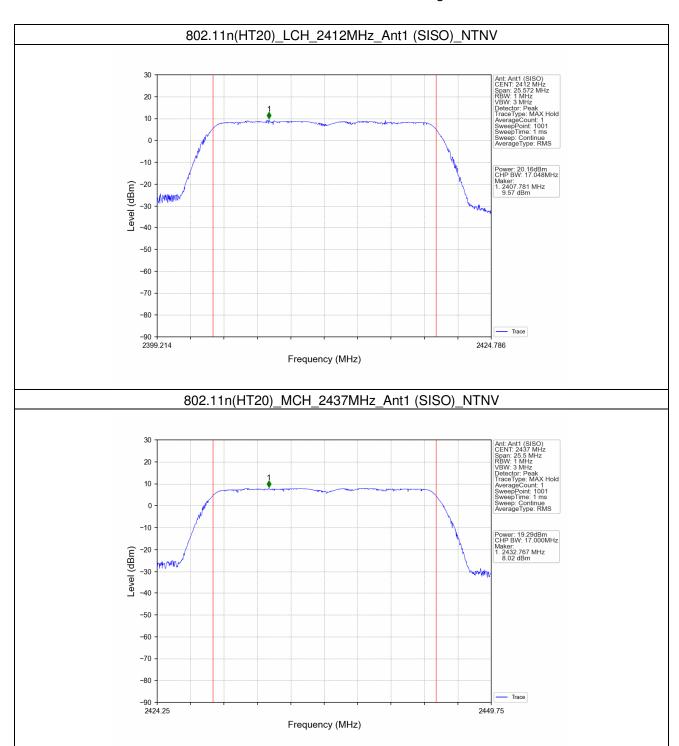
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67 of 82 Page:





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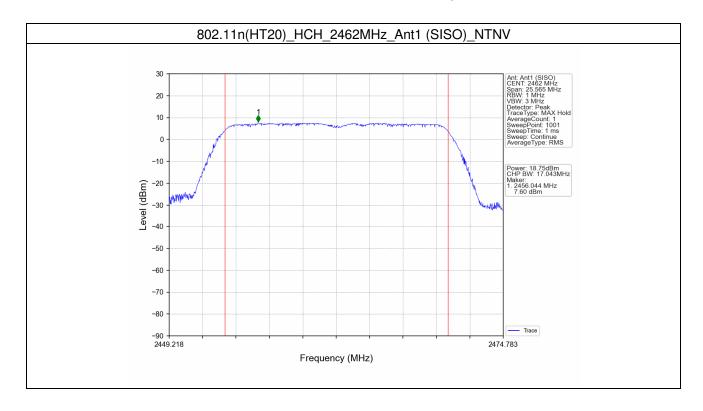
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EMC-TRF-01 Rev 1.1 Report No.: GZCR240400042602

Page: 68 of 82





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Report No.: GZCR240400042602 EMC-TRF-01 Rev 1.1

Page: 69 of 82

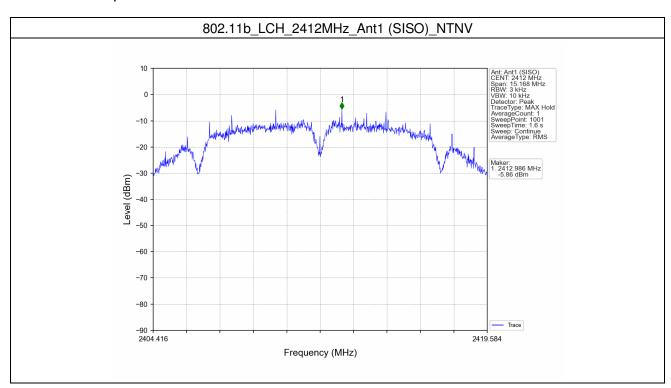
4. Maximum Power Spectral Density

4.1 PSD

4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PS	\/audiat			
			ANT1	Limit	Verdict		
802.11b	SISO	2412	-5.86	<=8	Pass		
		2437	-7.36	<=8	Pass		
		2462	-7.65	<=8	Pass		
802.11n (HT20)	SISO	2412	-12.99	<=8	Pass		
		2437	-14.63	<=8	Pass		
		2462	-14.49	<=8	Pass		
Note1: Antenna Gain: Ant1: 2.71dBi;							

4.1.2 Test Graph





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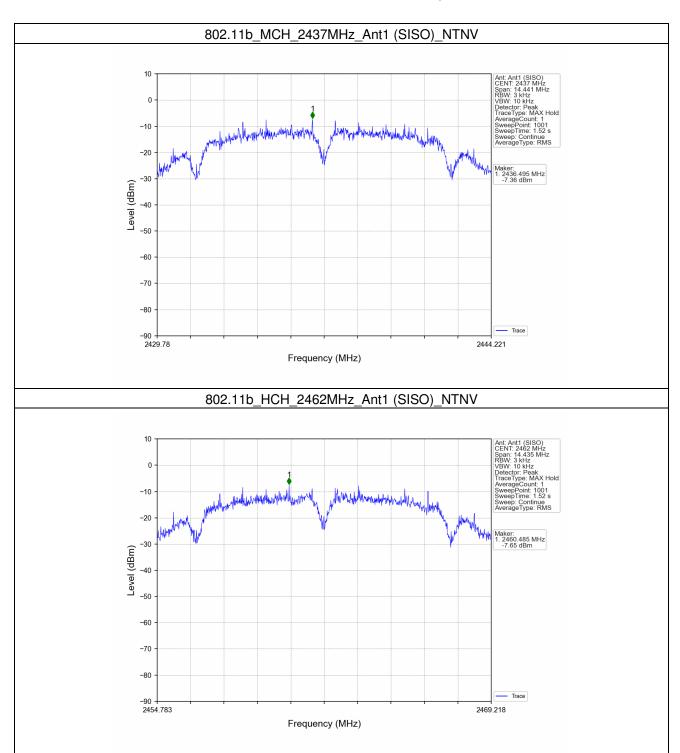
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EMC-TRF-01 Rev 1.1 Report No.: GZCR240400042602

Page: 70 of 82





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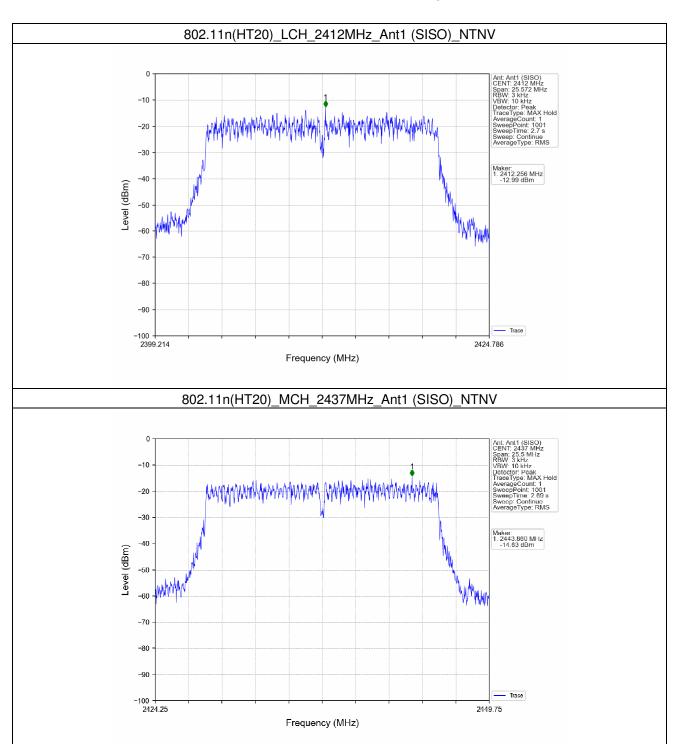
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Page: 71 of 82





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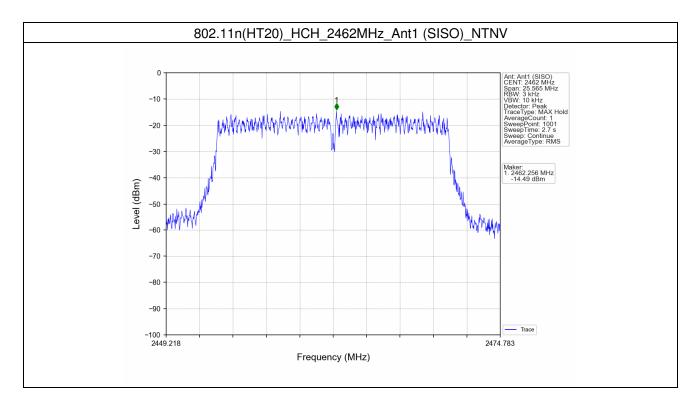
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Page: 72 of 82





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EMC-TRF-01 Rev 1.1

Report No.: GZCR240400042602

Page: 73 of 82

5. Unwanted Emissions In Non-restricted Frequency Bands

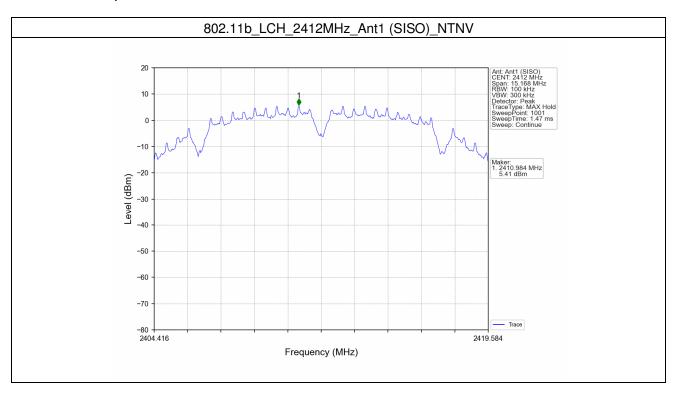
5.1 Ref

5.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)
		2412	1	5.41
802.11b	SISO	2437	1	5.26
		2462	1	4.91
802.11n (HT20)	SISO	2412	1	1.61
		2437	1	0.79
		2462	1	0.52

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

5.1.2 Test Graph





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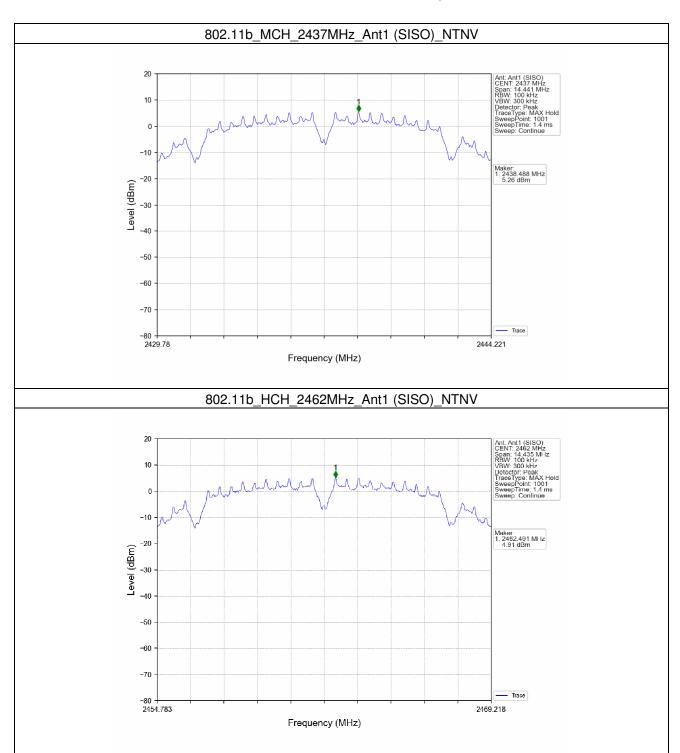
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Page: 74 of 82





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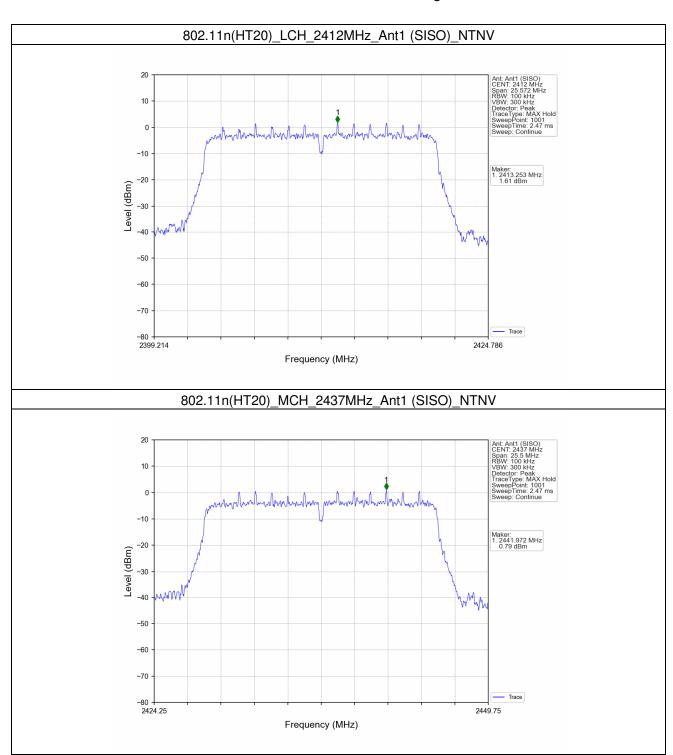
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Page: 75 of 82





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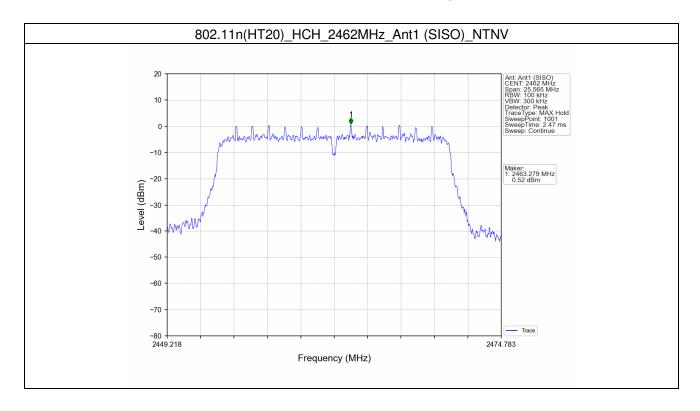
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Rev 1.1 EMC-TRF-01

Report No.: GZCR240400042602

Page: 76 of 82





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Page: 77 of 82

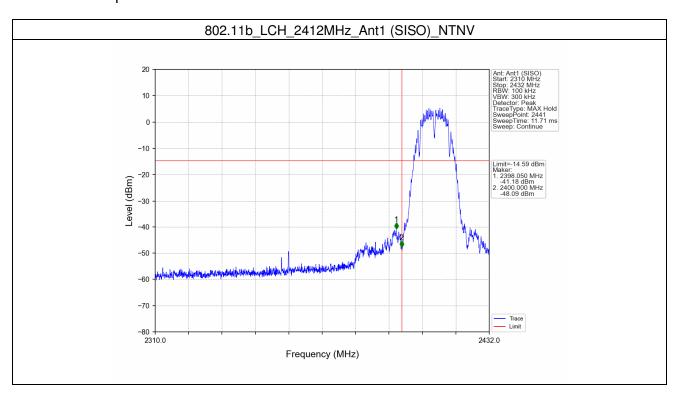
5.2 CSE and Band Edges

5.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
		2412	1	5.41	-14.59	Pass
802.11b	SISO	2437	1	5.41	-14.59	Pass
		2462	1	5.41	-14.59	Pass
802.11n (HT20)	SISO	2412	1	1.61	-18.39	Pass
		2437	1	1.61	-18.39	Pass
		2462	1	1.61	-18.39	Pass

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2013, the channel contains the maximum PSD level was used to establish the reference level.

5.2.2 Test Graph





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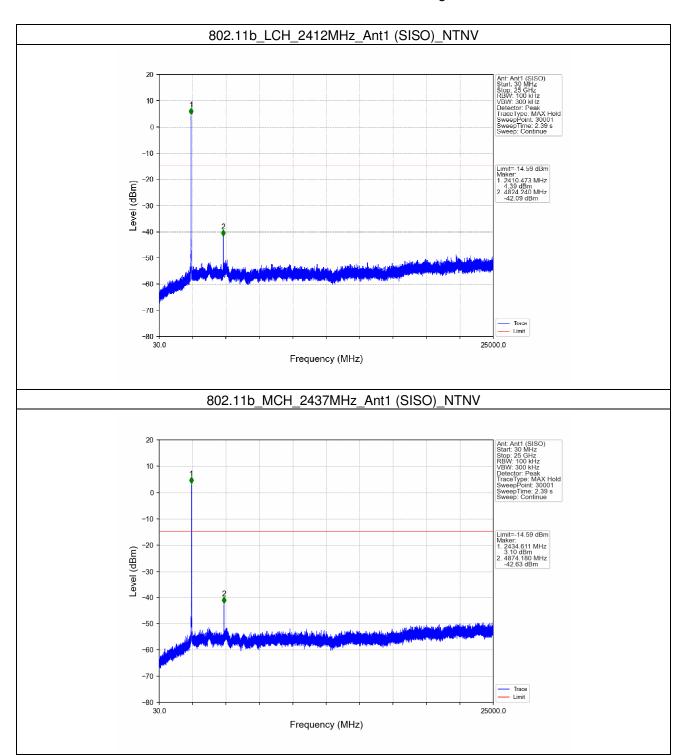
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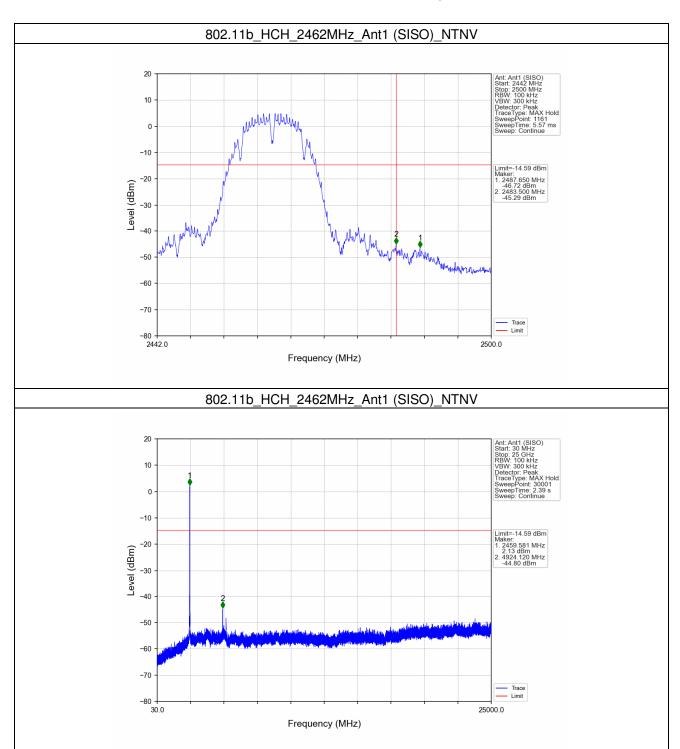
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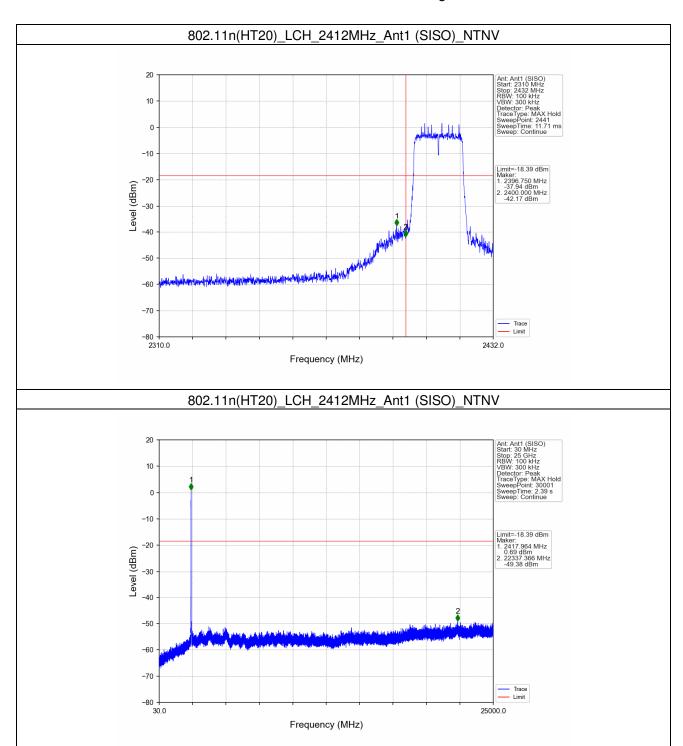
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EMC-TRF-01 Rev 1.1 Report No.: GZCR240400042602

80 of 82 Page:





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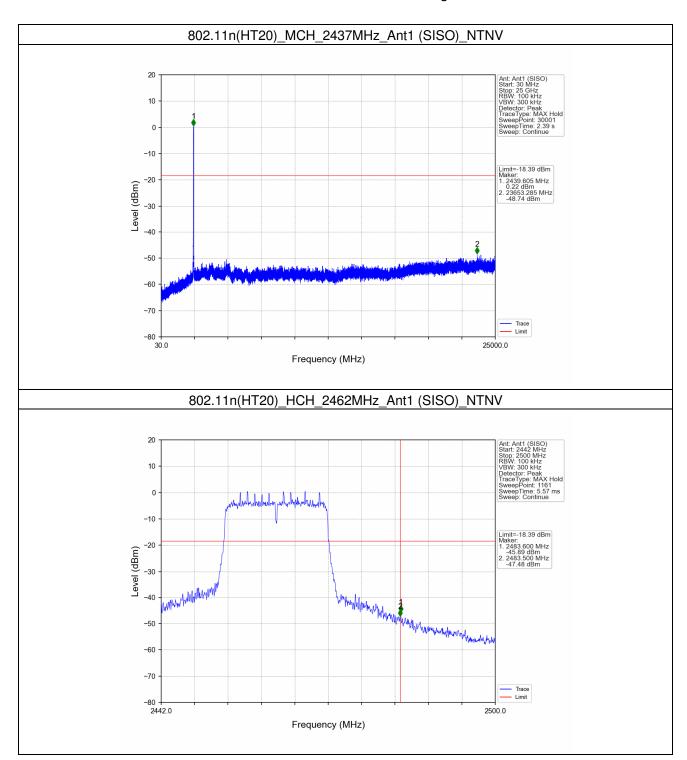
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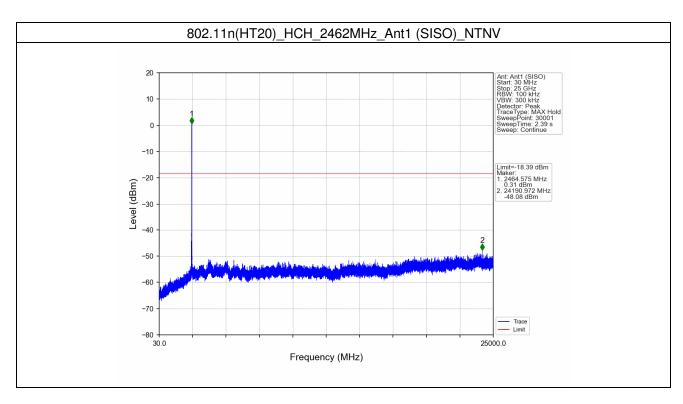
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Rev 1.1 EMC-TRF-01

Report No.: GZCR240400042602

Page: 82 of 82



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